

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\
 Data File : BF093774.D
 Acq On : 20 Mar 2017 19:52
 Operator : SJ/MA
 Sample : I2304-11MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Manual Integrations
 APPROVED

mohammad
 3/21/2017 2:45:27 PM

Quant Time: Mar 21 01:33:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 16:03:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	224768	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	916272	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	393491	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	616591	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	296277	20.00	ng	-0.02
86) Perylene-d12	15.40	264	334714	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1861661	144.84	ng	0.01
7) Phenol-d6	6.48	99	2166724	136.42	ng	0.00
23) Nitrobenzene-d5	7.41	82	1470729	91.06	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	356385	116.93	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1864718	79.69	ng	-0.01
78) Terphenyl-d14	12.94	244	1317247	90.65	ng	-0.01

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.50	88	270851	41.59	ng	98
3) Pyridine	3.21	79	794234	45.52	ng	99
4) n-Nitrosodimethylamine	3.16	42	374287	49.74	ng	94
6) Aniline	6.50	93	437117	19.68	ng	95
8) 2-Chlorophenol	6.63	128	736870	52.12	ng	88
9) Benzaldehyde	6.38	77	349400	31.12	ng	96
10) Phenol	6.49	94	1063394	59.57	ng	99
11) bis(2-Chloroethyl)ether	6.57	93	693336	47.83	ng	96
12) 1,3-Dichlorobenzene	6.78	146	700625	43.69	ng	98
13) 1,4-Dichlorobenzene	6.86	146	771501	47.16	ng	99
14) 1,2-Dichlorobenzene	7.01	146	641764	42.77	ng	98
15) Benzyl Alcohol	6.98	79	635277	53.98	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	1036672	44.98	ng	100
17) 2-Methylphenol	7.10	107	591883	47.71	ng	98
18) Hexachloroethane	7.36	117	269697	46.50	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	498337	47.89	ng	# 86
20) 3+4-Methylphenols	7.26	107	716413	48.77	ng	# 87
22) Acetophenone	7.25	105	941142	47.44	ng	97
24) Nitrobenzene	7.42	77	667253	43.24	ng	98
25) Isophorone	7.67	82	1394847	48.75	ng	# 92
26) 2-Nitrophenol	7.74	139	367743	52.70	ng	92
27) 2,4-Dimethylphenol	7.78	122	698192	48.65	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	829307	45.04	ng	100
29) 2,4-Dichlorophenol	7.98	162	574204	47.00	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	594016	46.82	ng	99
31) Naphthalene	8.15	128	2022522	47.56	ng	99
32) Benzoic acid	7.84	122	49716	5.57	ng	99
33) 4-Chloroaniline	8.18	127	190007	10.40	ng	99
34) Hexachlorobutadiene	8.28	225	301825	45.24	ng	98
35) Caprolactam	8.56	113	188382m	49.12	ng	
36) 4-Chloro-3-methylphenol	8.68	107	620141	48.99	ng	# 85
37) 2-Methylnaphthalene	8.84	142	1213987	43.73	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	500938	48.07	ng	99
40) Hexachlorocyclopentadiene	9.00	237	218466	41.55	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.11	196	390975	51.68	nq	99
43) 2,4,5-Trichlorophenol	9.16	196	373266	47.53	nq	96
45) 1,1'-Biphenyl	9.30	154	1482313	46.35	nq	99
46) 2-Chloronaphthalene	9.33	162	1189924	48.53	nq	97
47) 2-Nitroaniline	9.42	65	395867	57.81	nq	# 71
48) Acenaphthylene	9.74	152	1727878	43.30	nq	99
49) Dimethylphthalate	9.60	163	1600344	57.15	nq	99
50) 2,6-Dinitrotoluene	9.66	165	290314	47.22	nq	# 80
51) Acenaphthene	9.91	154	972115	40.79	nq	99
52) 3-Nitroaniline	9.82	138	207923	28.17	nq	98
53) 2,4-Dinitrophenol	9.92	184	18660	7.73	nq	# 1
54) Dibenzofuran	10.08	168	1482998	46.24	nq	97
55) 4-Nitrophenol	9.99	139	512500	92.45	nq	84
56) 2,4-Dinitrotoluene	10.06	165	360604	46.20	nq	# 79
57) Fluorene	10.42	166	1086761	44.24	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.20	232	241667	44.79	nq	99
59) Diethylphthalate	10.31	149	1357217	49.73	nq	96
60) 4-Chlorophenyl-phenylether	10.41	204	451345	43.59	nq	100
61) 4-Nitroaniline	10.44	138	289939	43.92	nq	93
62) Azobenzene	10.57	77	1274584	47.22	nq	100
64) 4,6-Dinitro-2-methylphenol	10.46	198	39117	10.95	nq	# 78
65) n-Nitrosodiphenylamine	10.54	169	1125378	54.75	nq	99
66) 4-Bromophenyl-phenylether	10.90	248	281798	47.48	nq	96
67) Hexachlorobenzene	10.97	284	289395	47.28	nq	# 90
68) Atrazine	11.06	200	340210	53.92	nq	96
69) Pentachlorophenol	11.16	266	258403	72.20	nq	98
70) Phenanthrene	11.37	178	1494680	45.52	nq	99
71) Anthracene	11.43	178	1492320	44.14	nq	99
72) Carbazole	11.58	167	1323213	39.53	nq	100
73) Di-n-butylphthalate	11.92	149	1714532	47.59	nq	100
74) Fluoranthene	12.56	202	1318935	39.08	nq	99
76) Benzidine	12.68	184	209430	16.11	nq	95
77) Pyrene	12.79	202	1313861	53.29	nq	99
79) Butylbenzylphthalate	13.41	149	610861	55.43	nq	# 69
80) Benzo(a)anthracene	13.97	228	874563	47.13	nq	100
81) 3,3'-Dichlorobenzidine	13.93	252	99400	14.21	nq	97
82) Chrysene	14.01	228	833895	44.97	nq	100
83) Bis(2-ethylhexyl)phthalate	13.98	149	713712	53.77	nq	99
84) Di-n-octyl phthalate	14.59	149	1315695	54.33	nq	99
85) Indeno(1,2,3-cd)pyrene	16.77	276	889682	58.59	nq	99
87) Benzo(b)fluoranthene	15.00	252	935552m	41.46	nq	
88) Benzo(k)fluoranthene	15.02	252	739520m	44.38	nq	
89) Benzo(a)pyrene	15.34	252	835018	45.64	nq	99
90) Dibenzo(a,h)anthracene	16.78	278	755501	49.73	nq	# 96
91) Benzo(g,h,i)perylene	17.18	276	721494	47.85	nq	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

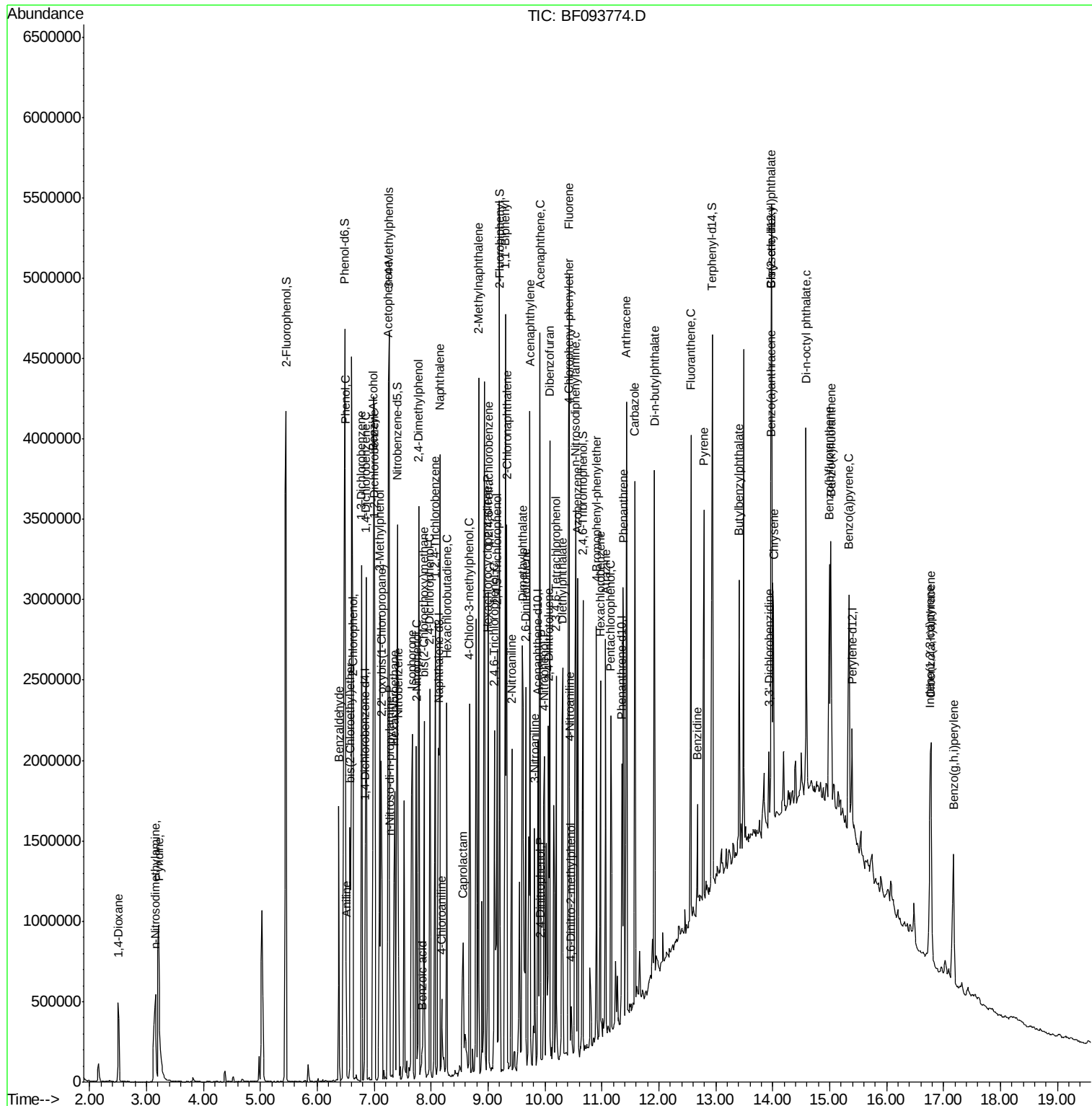
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF032017\  
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Operator  : SJ/MA  
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ALS Vial  : 9      Sample Multiplier: 1
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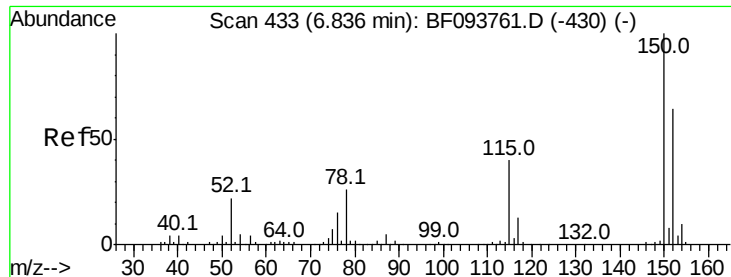
Instrument :
BNA_F
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SPA-B6(0-5)MSD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

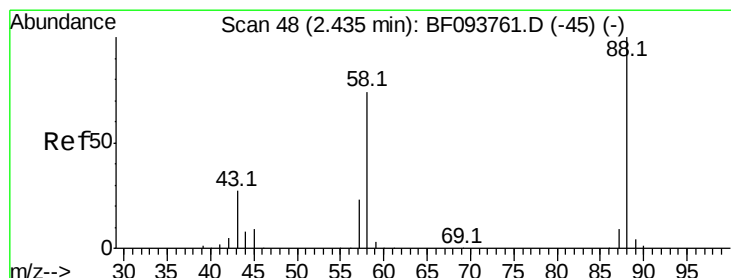
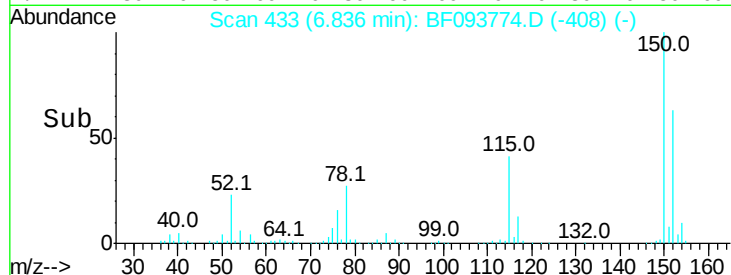
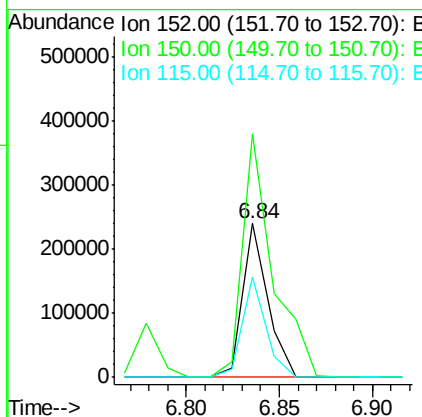
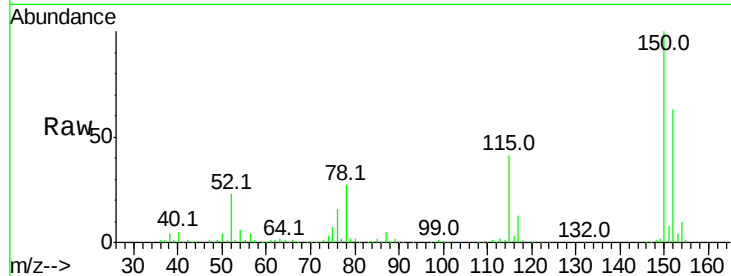
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:	152	Resp:	224768
Ion Ratio	Lower	Upper	
152	100		
150	158.6	126.2	189.2
115	65.0	52.2	78.2

Manual Integrations
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#2

1,4-Dioxane

Concen: 41.59 ng

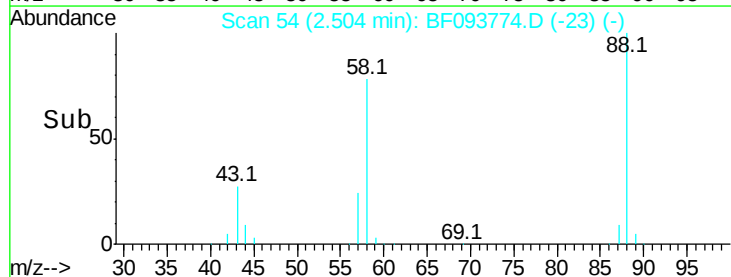
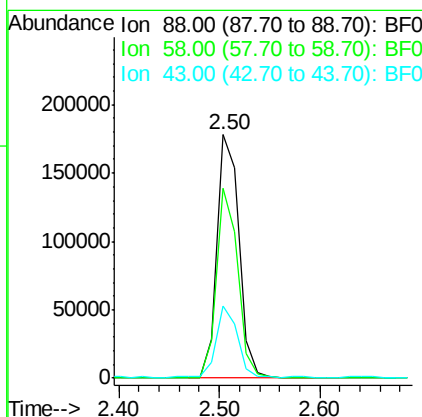
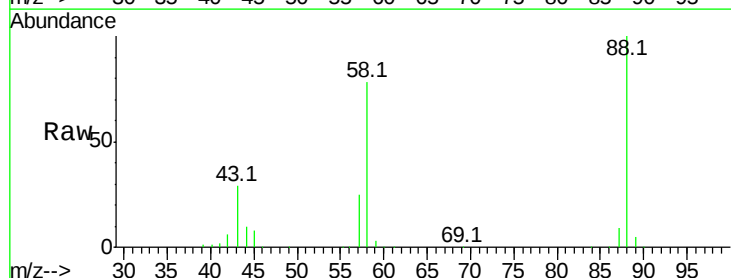
RT: 2.50 min Scan# 54

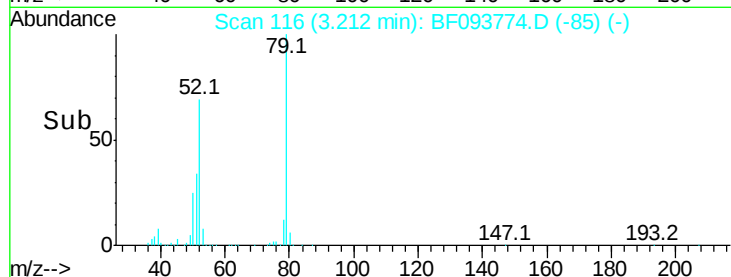
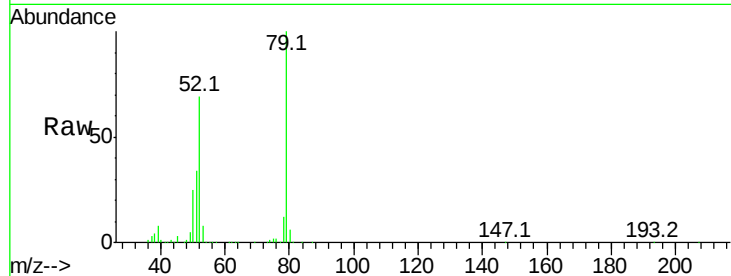
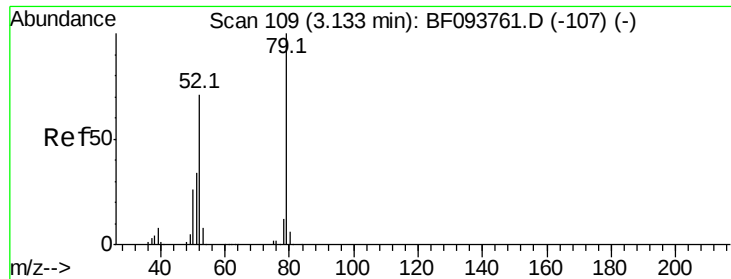
Delta R.T. 0.06 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:	88	Resp:	270851
Ion Ratio	Lower	Upper	
88	100		
58	75.4	61.4	92.0
43	28.4	23.4	35.0





#3

Pvridine

Concen: 45.52 ng

RT: 3.21 min Scan# 116

Delta R.T. 0.06 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tot Ion:	79	Resp:	794234
Ion Ratio	Lower	Upper	
79	100		
52	69.1	54.8	82.2
51	33.6	27.0	40.4

Instrument :

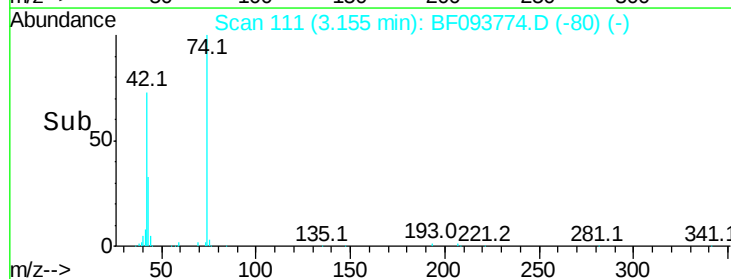
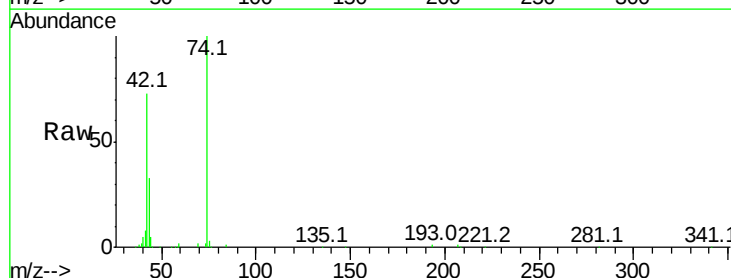
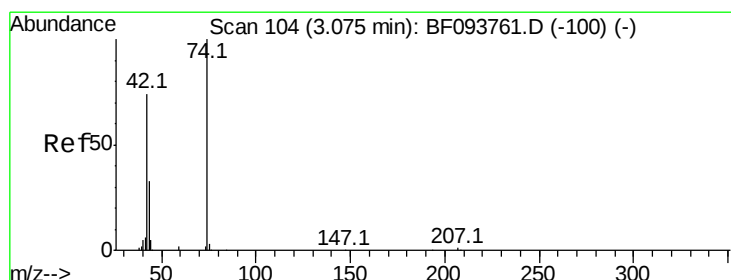
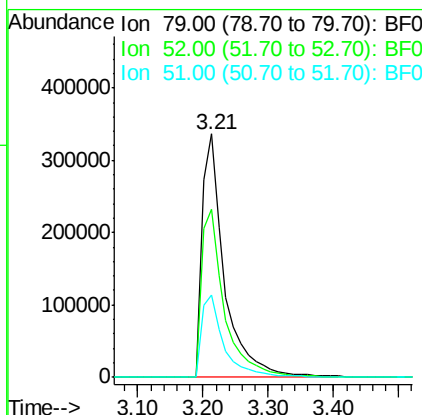
BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 49.74 ng

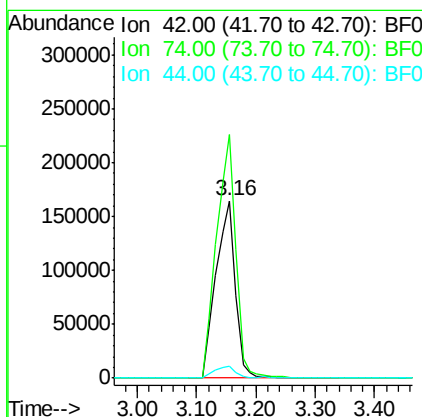
RT: 3.16 min Scan# 111

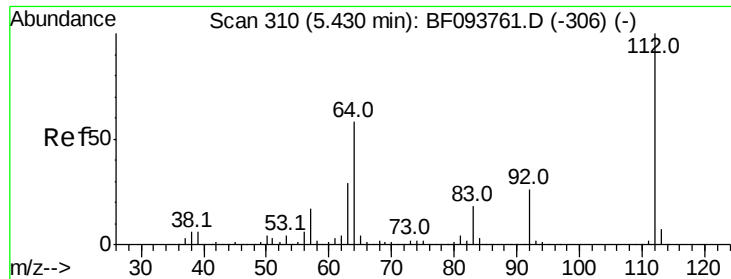
Delta R.T. 0.06 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:	42	Resp:	374287
Ion Ratio	Lower	Upper	
42	100		
74	137.2	103.9	155.9
44	6.9	5.7	8.5





#5

2-Fluorophenol

Concen: 144.84 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

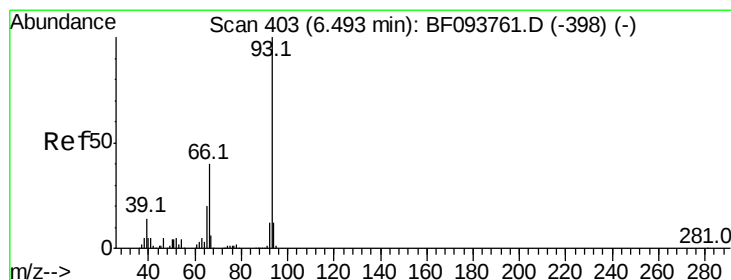
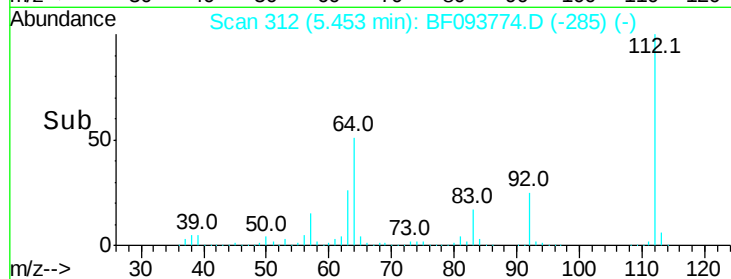
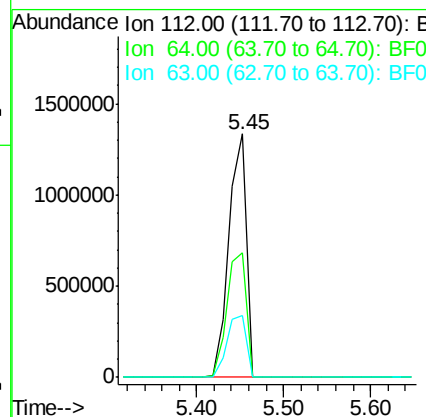
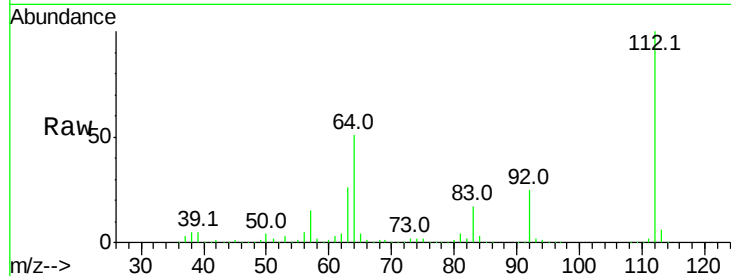
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:	112	Resp:	1861661
Ion Ratio	Lower	Upper	
112	100		
64	50.9	46.0	69.0
63	25.6	23.4	35.0

Manual Integrations
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#6

Aniline

Concen: 19.68 ng

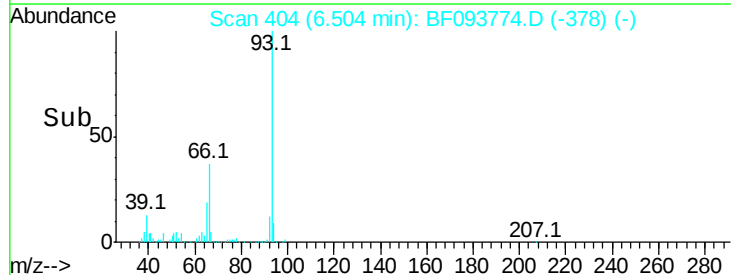
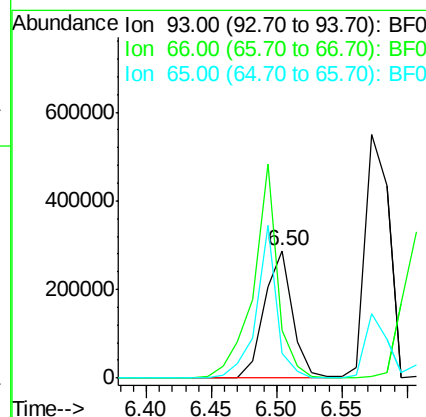
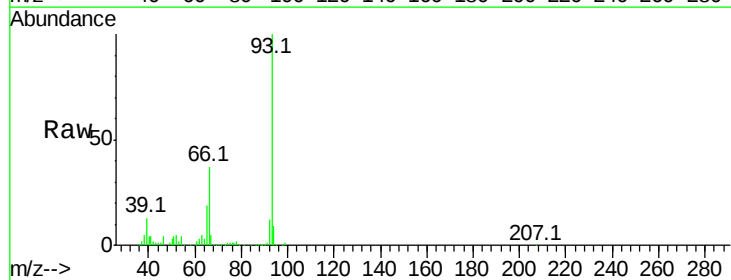
RT: 6.50 min Scan# 404

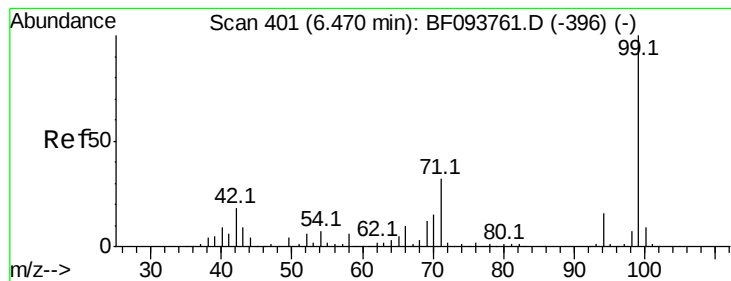
Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:	93	Resp:	437117
Ion Ratio	Lower	Upper	
93	100		
66	37.2	32.9	49.3
65	19.2	16.0	24.0





#7

Phenol-d6

Concen: 136.42 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

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BNA_F

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SPA-B6(0-5)MSD

Tot Ion: 99 Resp: 2166724

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

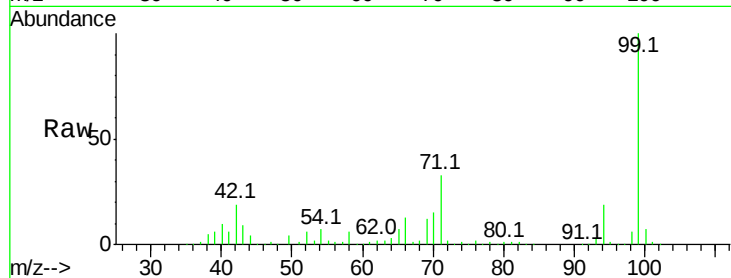
71 33.4 24.5 36.7

Manual Integrations

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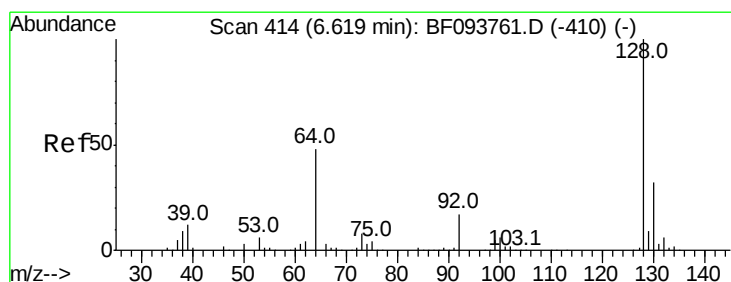
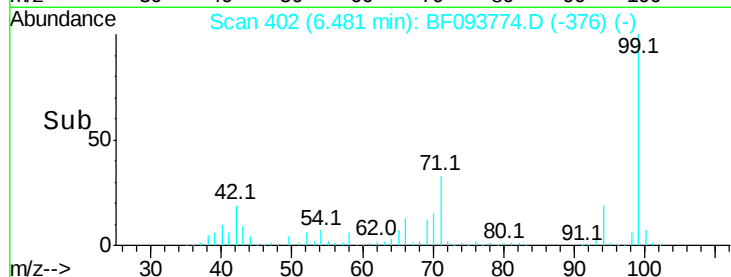
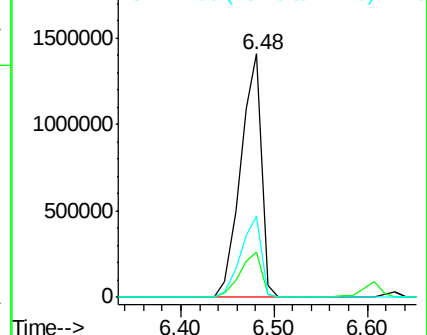
3/21/2017 2:45:27 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 52.12 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

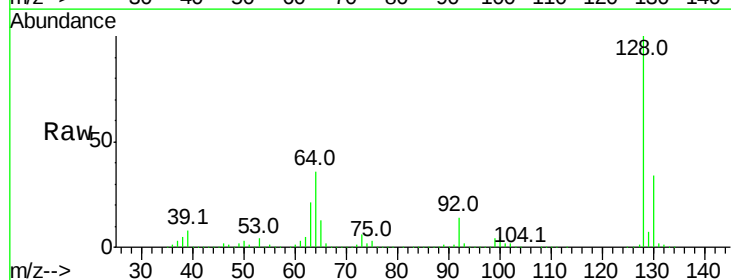
Tgt Ion:128 Resp: 736870

Ion Ratio Lower Upper

128 100

130 33.9 12.9 52.9

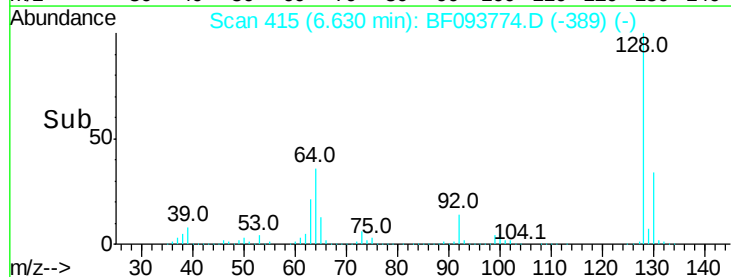
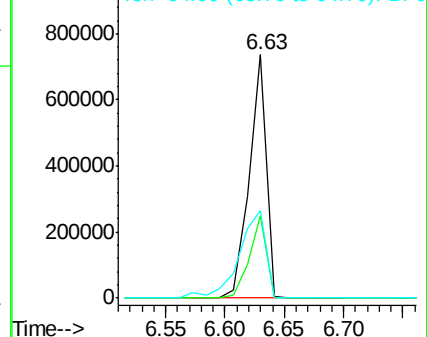
64 35.7 28.4 68.4

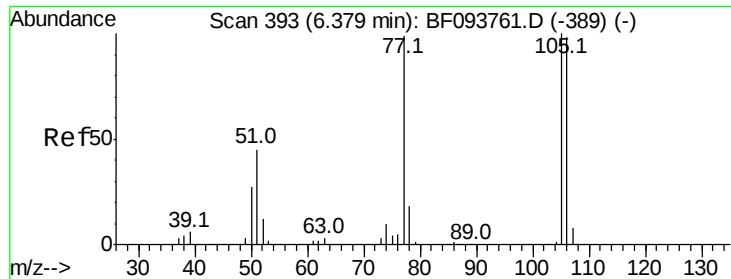


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 31.12 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.01 min

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BNA_F

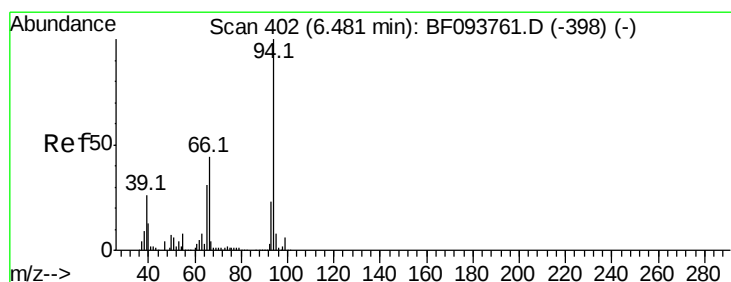
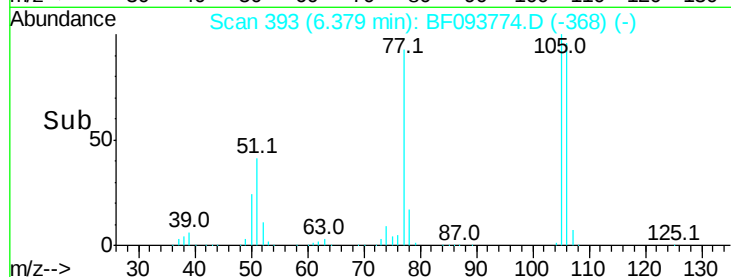
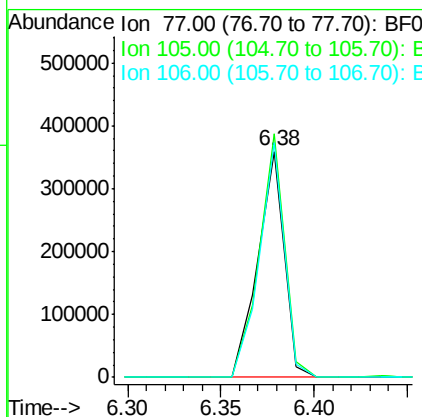
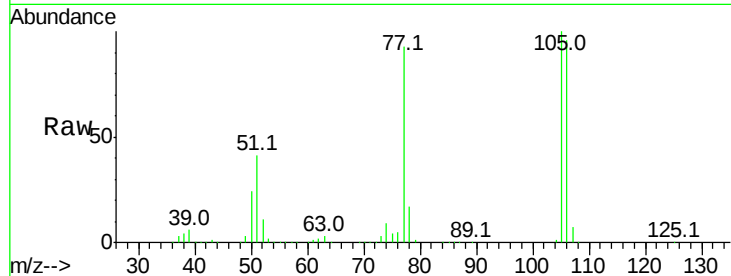
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	107.6	83.8	123.8
106	103.6	79.1	119.1

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#10

Phenol

Concen: 59.57 ng

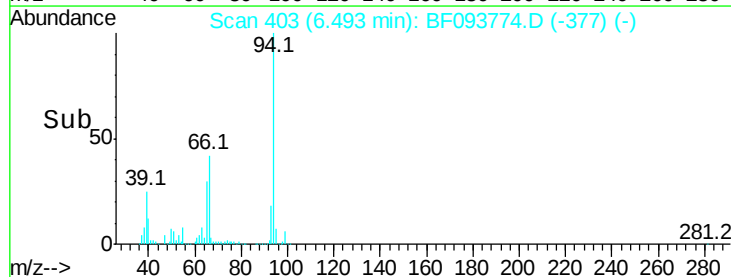
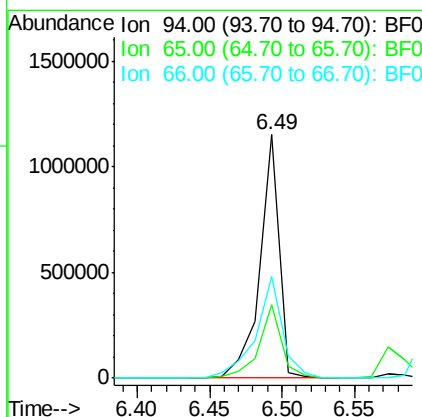
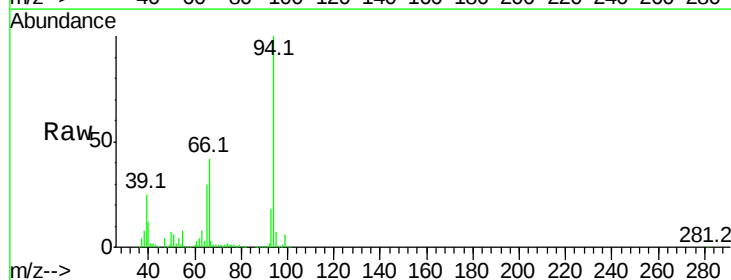
RT: 6.49 min Scan# 403

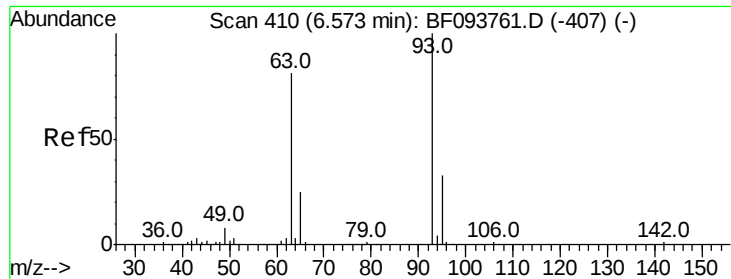
Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.0	9.9	49.9
66	41.9	23.1	63.1





#11

bis(2-Chloroethyl)ether

Concen: 47.83 ng

RT: 6.57 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

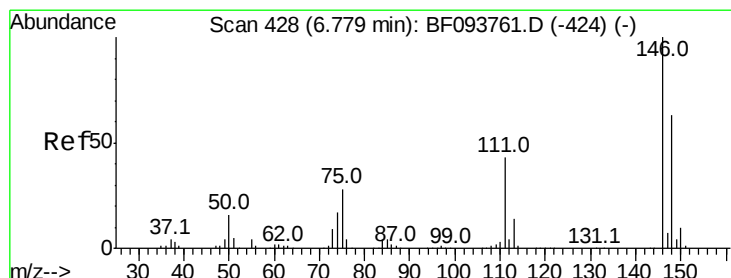
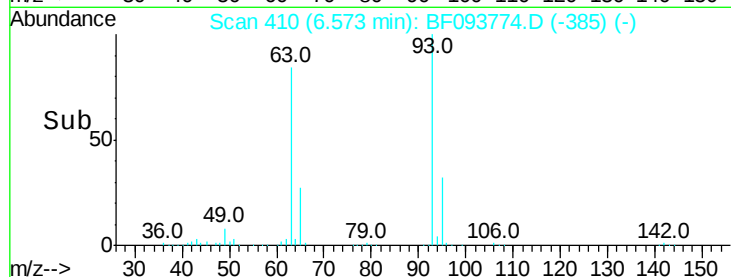
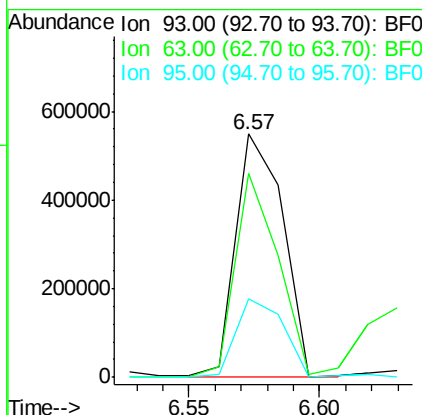
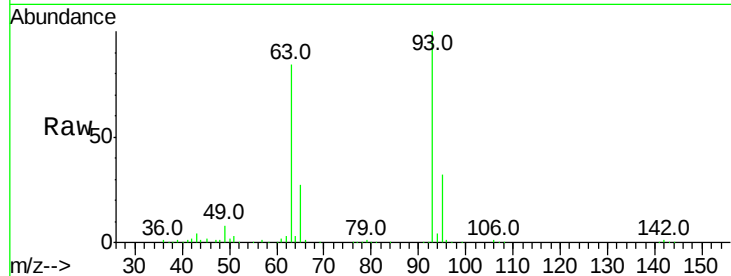
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.6	59.2	99.2
95	32.1	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 43.69 ng

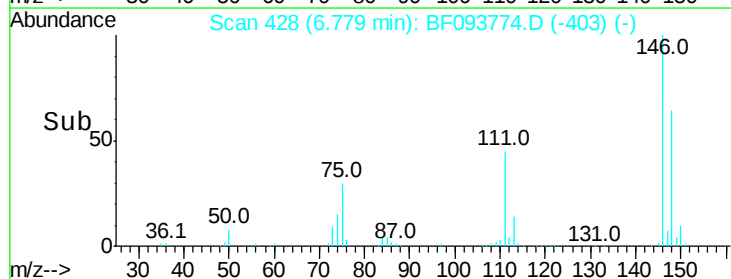
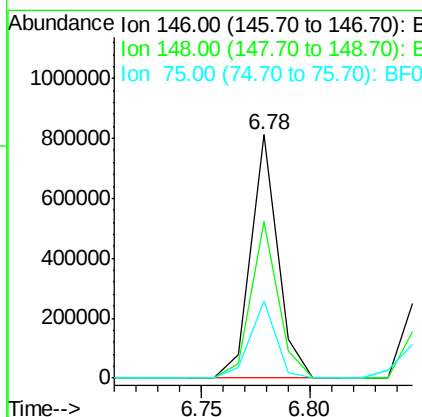
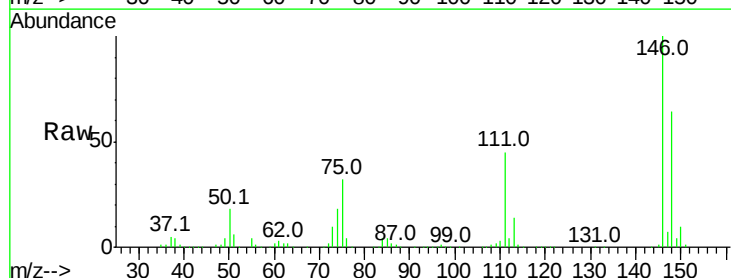
RT: 6.78 min Scan# 428

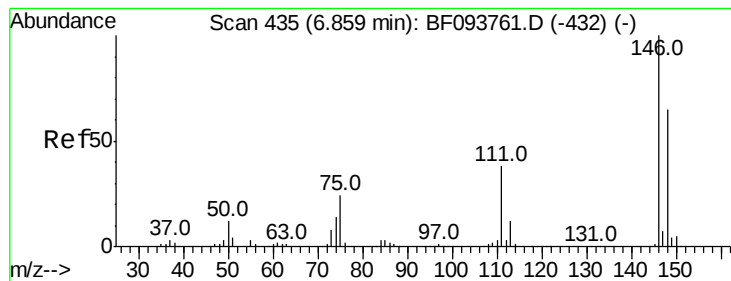
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.6
75	31.6	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 47.16 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

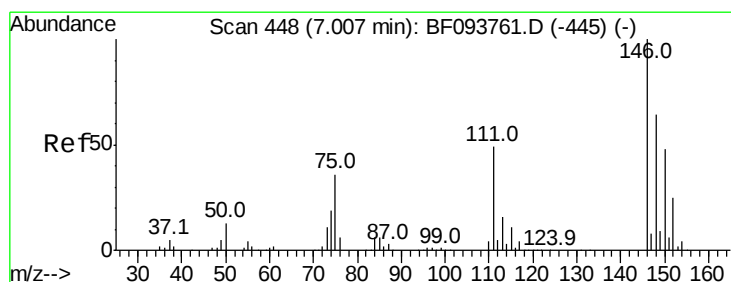
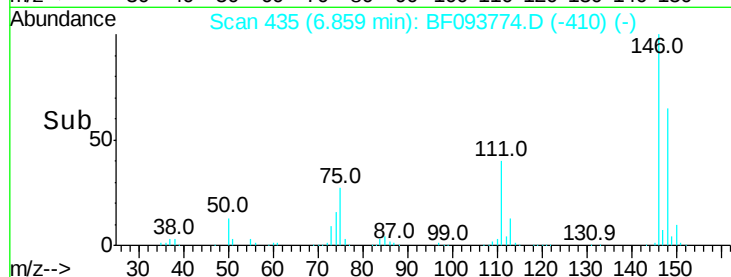
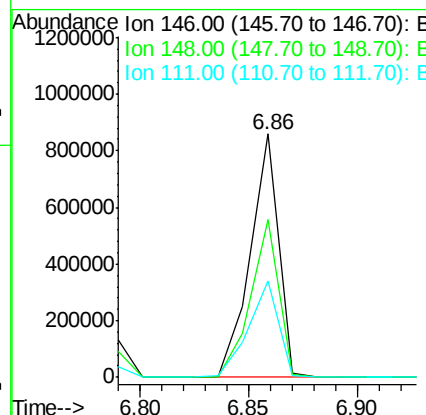
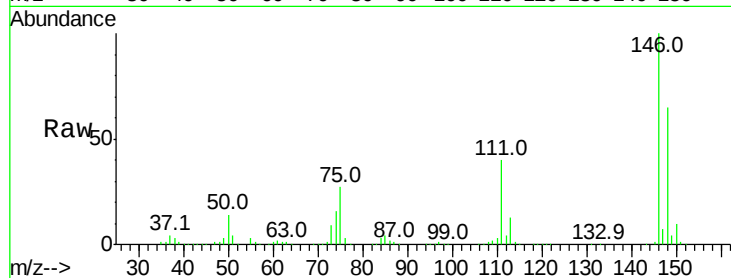
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:	146	Resp:	771501
Ion Ratio	Lower	Upper	
146	100		
148	65.0	52.2	78.2
111	39.9	30.3	45.5

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#14

1,2-Dichlorobenzene

Concen: 42.77 ng

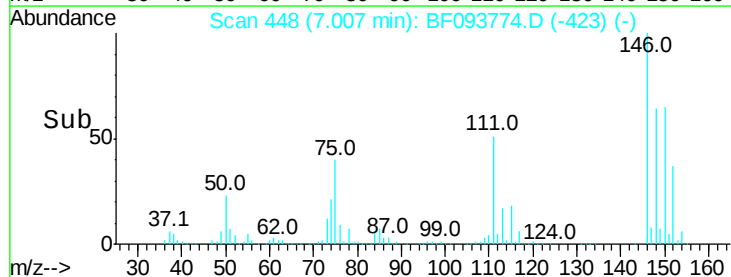
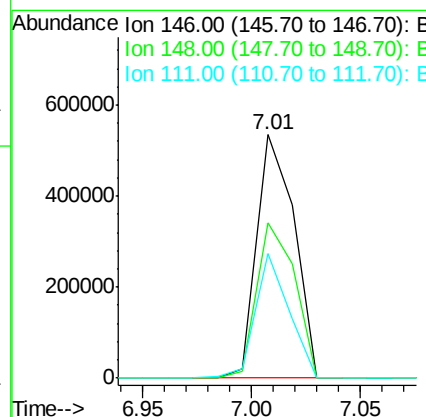
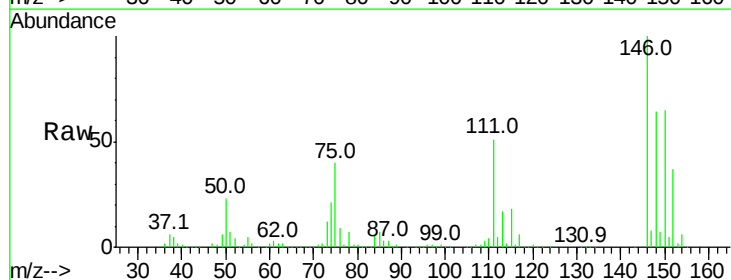
RT: 7.01 min Scan# 448

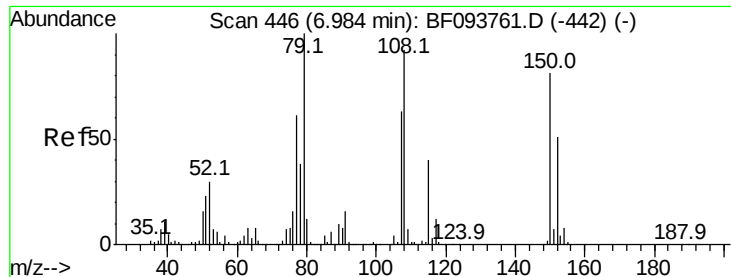
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:	146	Resp:	641764
Ion Ratio	Lower	Upper	
146	100		
148	63.5	50.4	75.6
111	51.0	38.2	57.4





#15

Benzyl Alcohol

Concen: 53.98 ng

RT: 6.98 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

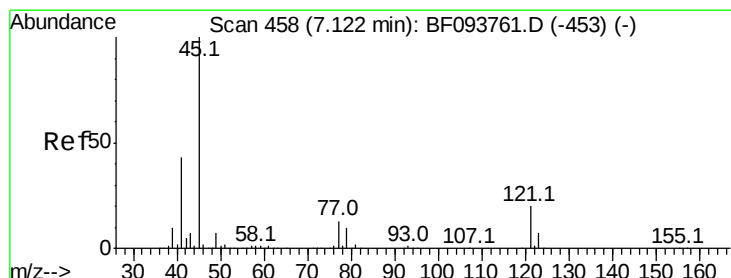
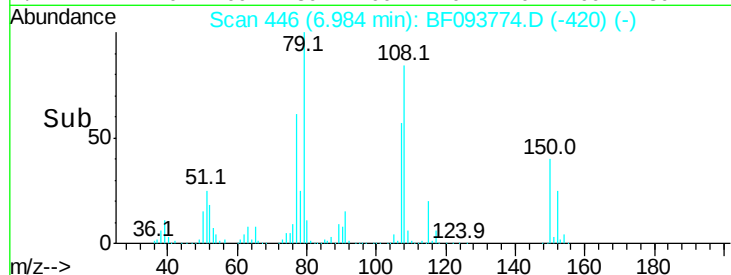
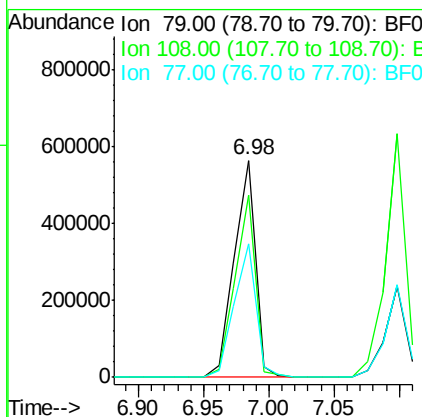
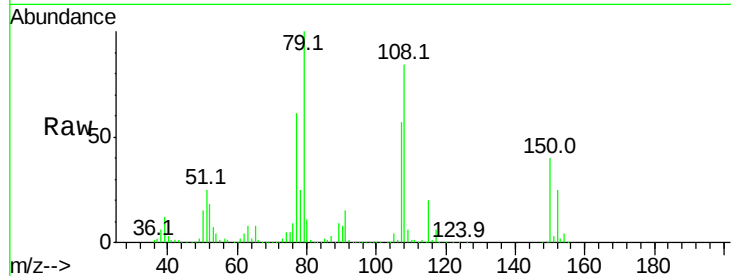
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:	79	Resp:	635277
Ion Ratio	Lower	Upper	
79	100		
108	83.6	63.4	95.0
77	61.4	49.2	73.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.98 ng

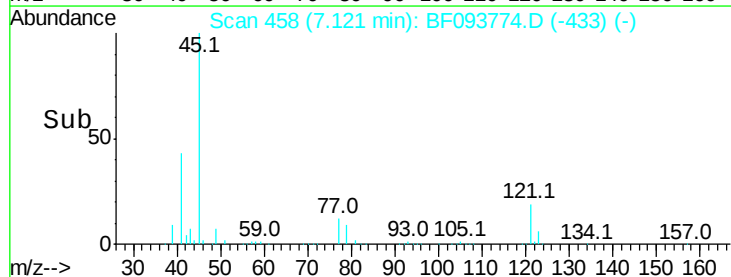
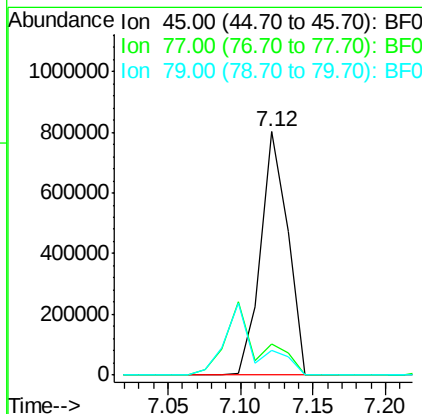
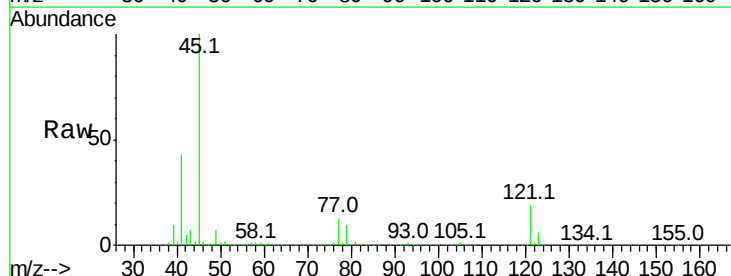
RT: 7.12 min Scan# 458

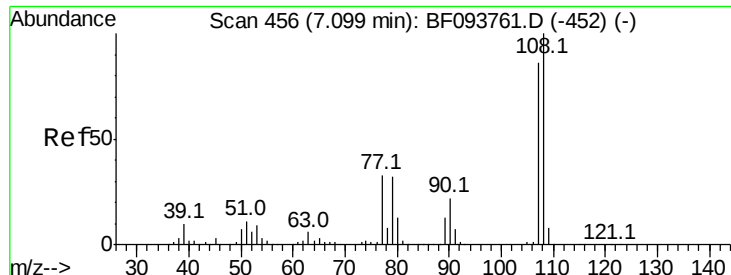
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:	45	Resp:	1036672
Ion Ratio	Lower	Upper	
45	100		
77	13.0	0.0	33.2
79	10.1	0.0	30.0





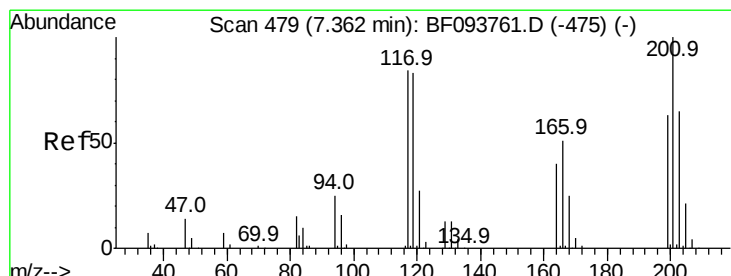
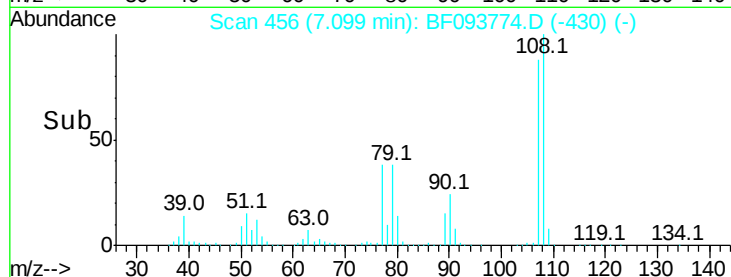
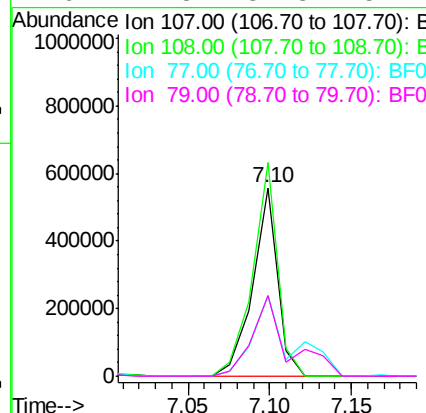
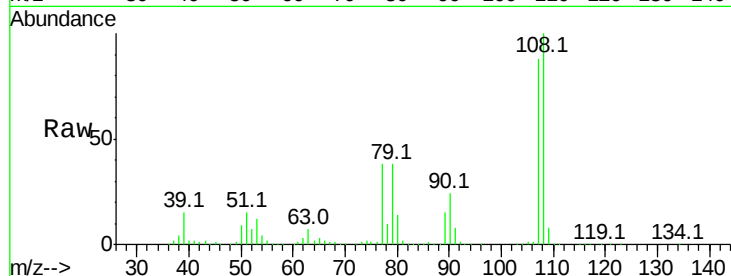
#17
2-Methylphenol
Concen: 47.71 ng
RT: 7.10 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	591883		
108	113.4	93.4	140.0	
77	43.0	35.8	53.6	
79	42.8	34.8	52.2	

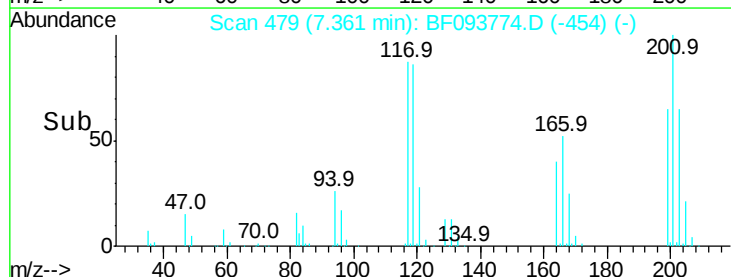
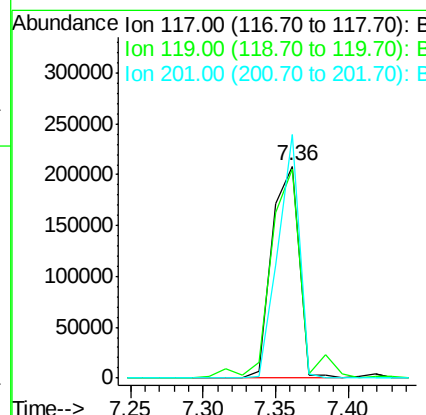
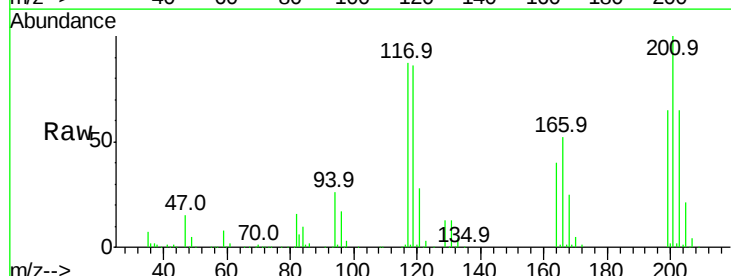
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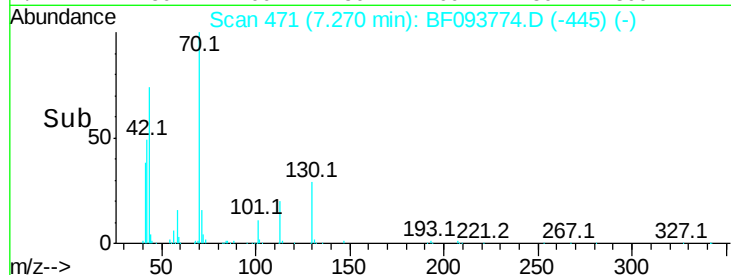
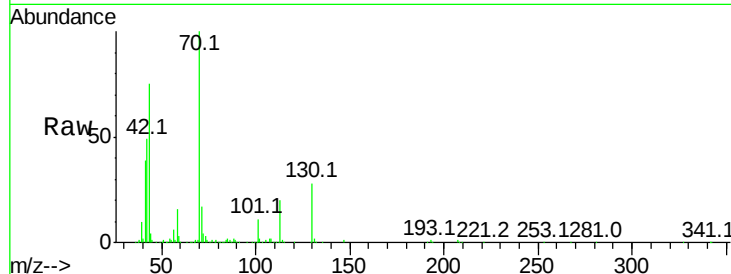
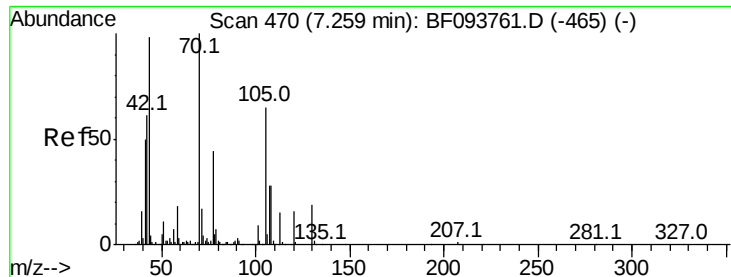
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#18
Hexachloroethane
Concen: 46.50 ng
RT: 7.36 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	269697		
119	98.8	77.4	116.0	
201	114.9	94.6	141.8	





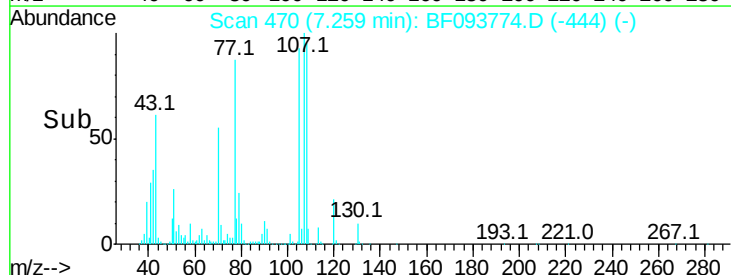
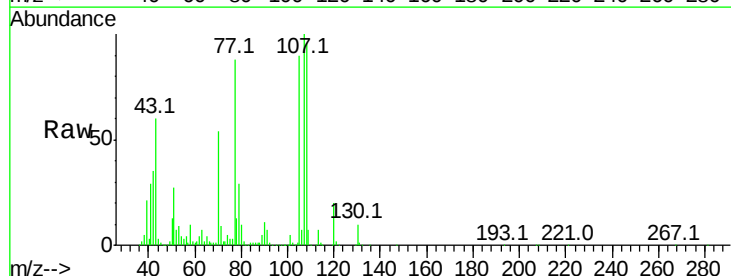
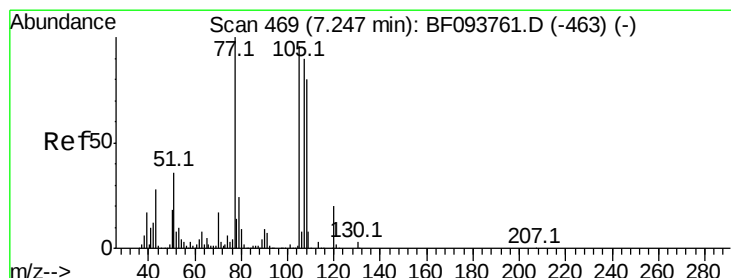
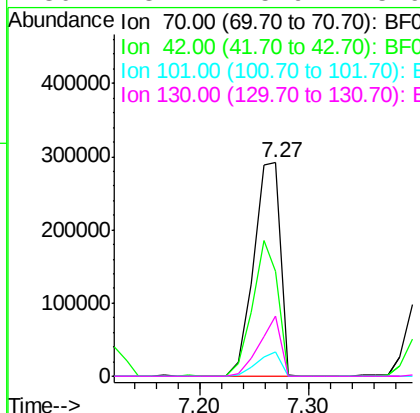
#19
n-Nitroso-di-n-propylamine
Concen: 47.89 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	49.0	47.2	70.8
101	11.3	7.2	10.8
130	28.4	15.9	23.9

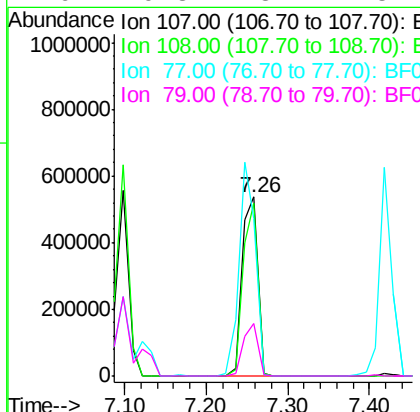
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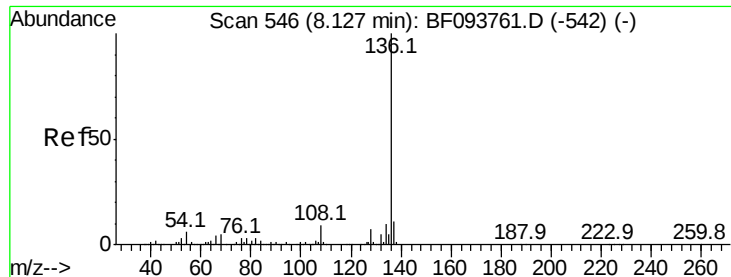
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#20
3+4-Methylphenols
Concen: 48.77 ng
RT: 7.26 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.4	71.0	111.0
77	88.1	90.5	130.5
79	29.3	8.4	48.4





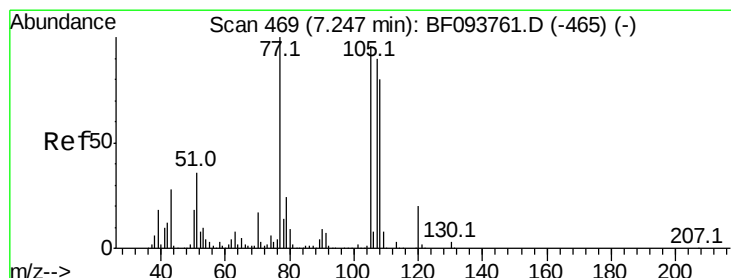
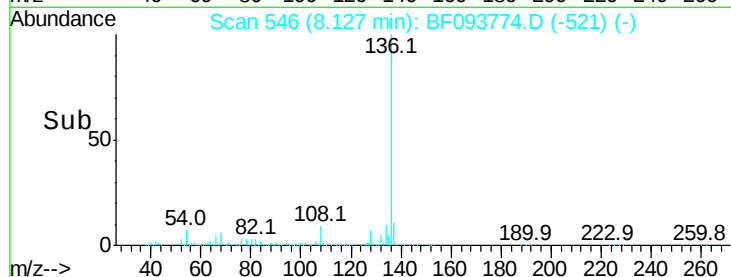
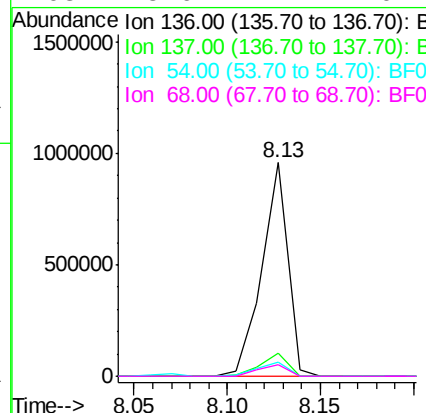
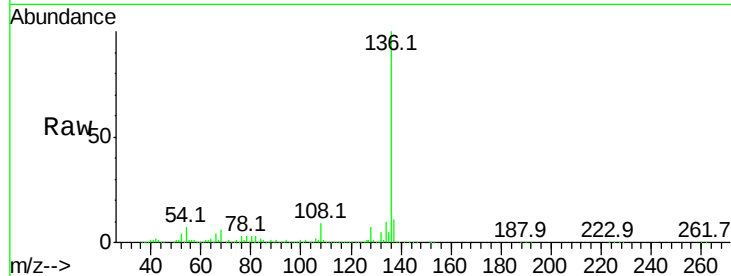
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	6.7	4.9	7.3	
68	5.6	4.1	6.1	

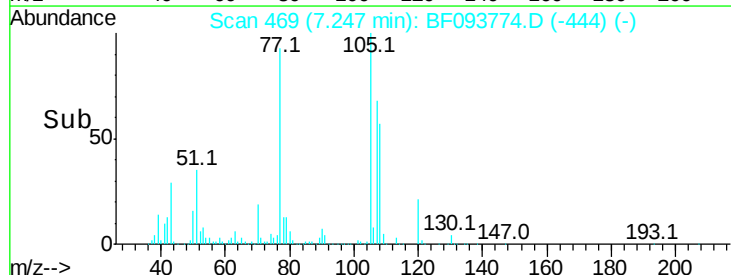
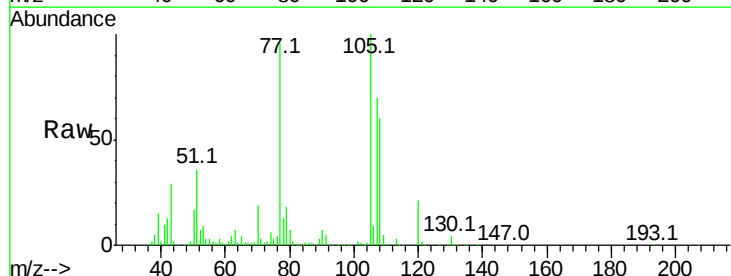
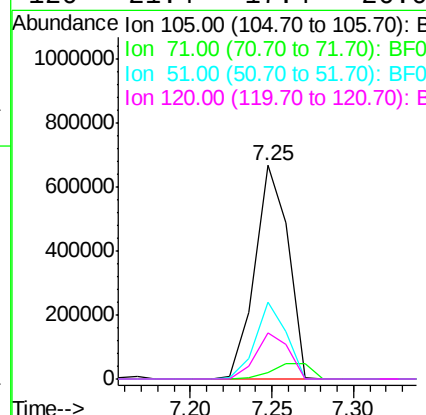
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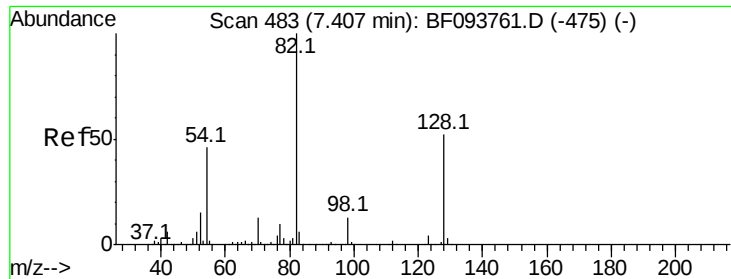
mohammad
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#22
Acetophenone
Concen: 47.44 ng
RT: 7.25 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.3	2.8	4.2	
51	36.0	30.7	46.1	
120	21.4	17.4	26.0	





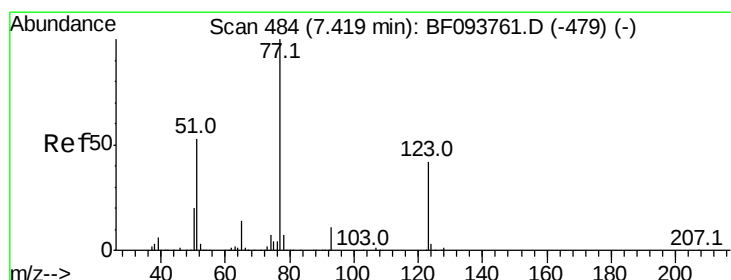
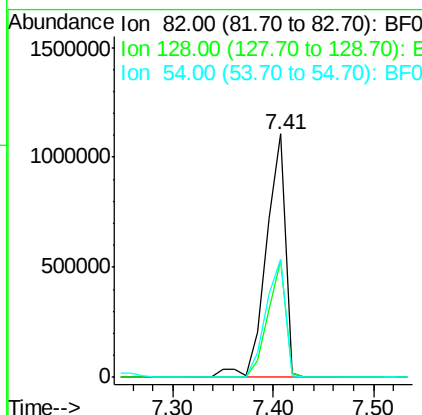
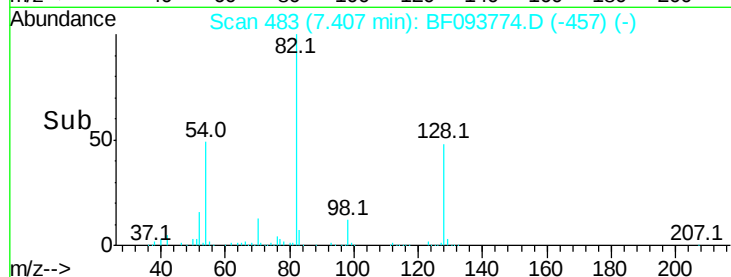
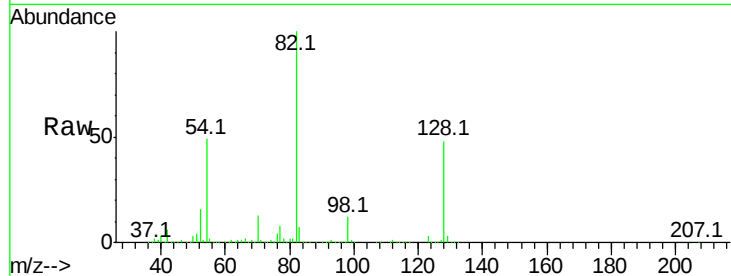
#23
 Nitrobenzene-d5
 Concen: 91.06 ng
 RT: 7.41 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampled :
 SPA-B6(0-5)MSD

Tot Ion: 82 Resp: 1470729
 Ion Ratio Lower Upper
 82 100
 128 47.8 34.0 51.0
 54 48.7 42.2 63.2

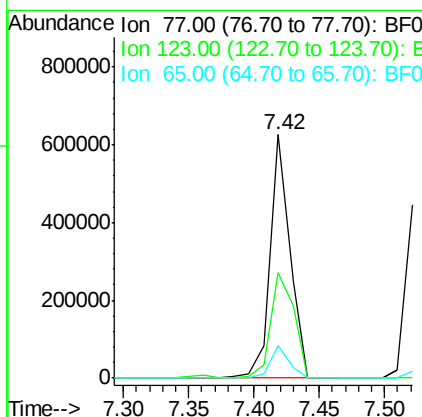
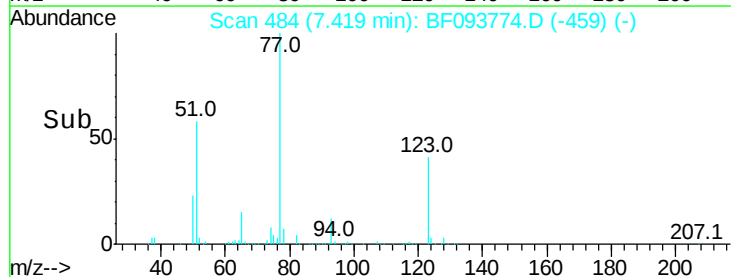
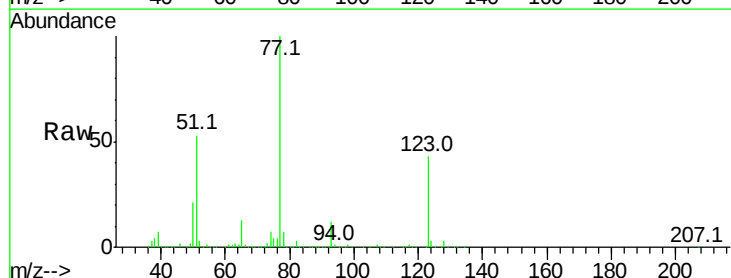
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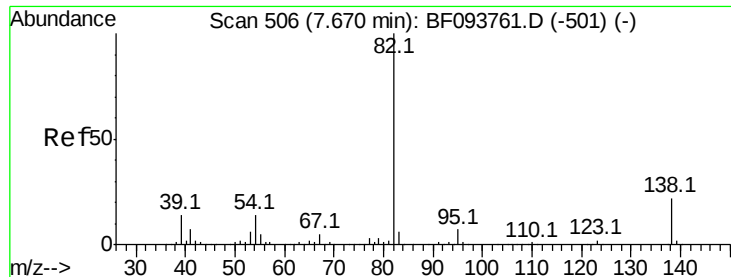
mohammad
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#24
 Nitrobenzene
 Concen: 43.24 ng
 RT: 7.42 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion: 77 Resp: 667253
 Ion Ratio Lower Upper
 77 100
 123 43.1 35.8 53.8
 65 13.4 10.6 15.8





#25

Isophorone

Concen: 48.75 ng

RT: 7.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion: 82 Resp: 1394847

Ion Ratio Lower Upper

82 100

95 7.0 5.3 7.9

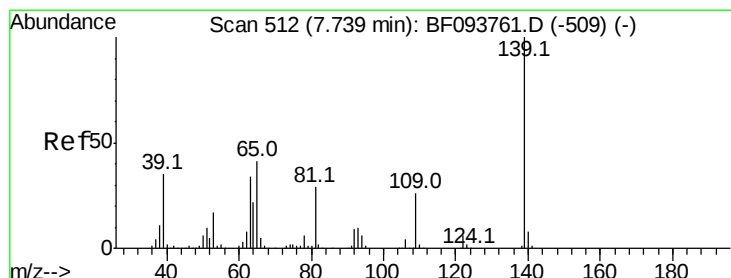
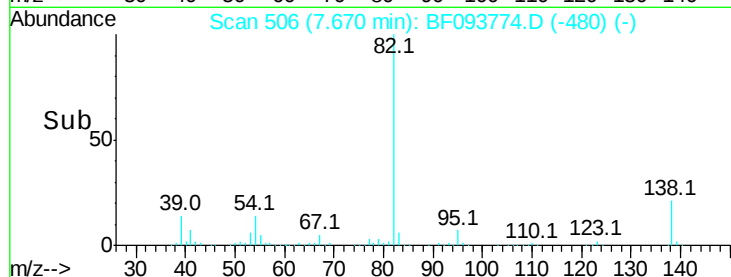
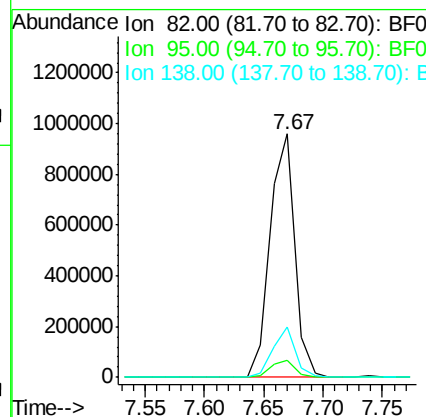
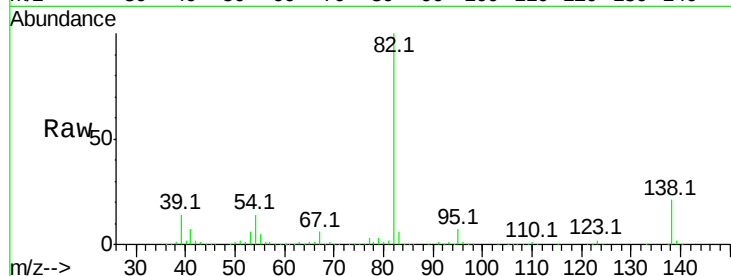
138 20.7 13.1 19.7#

Manual Integrations

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3/21/2017 2:45:27 PM



#26

2-Nitrophenol

Concen: 52.70 ng

RT: 7.74 min Scan# 512

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

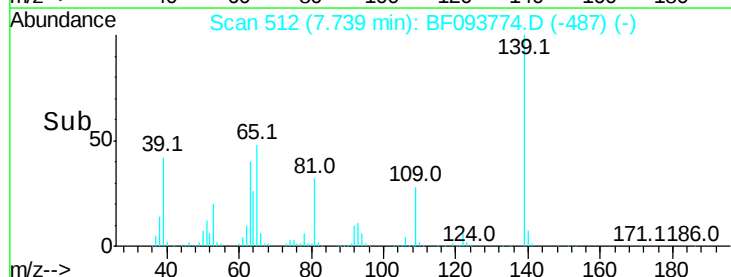
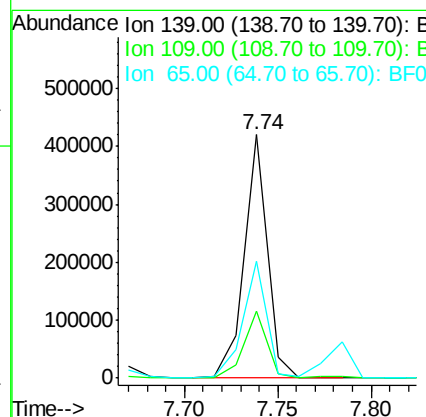
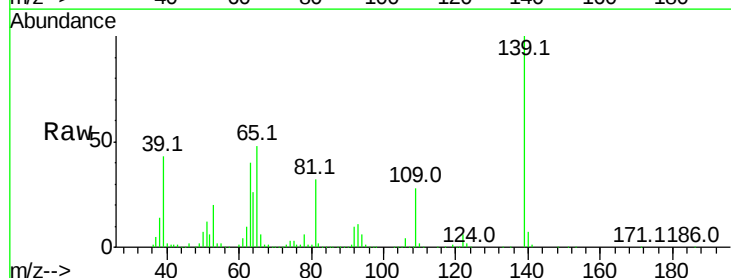
Tgt Ion: 139 Resp: 367743

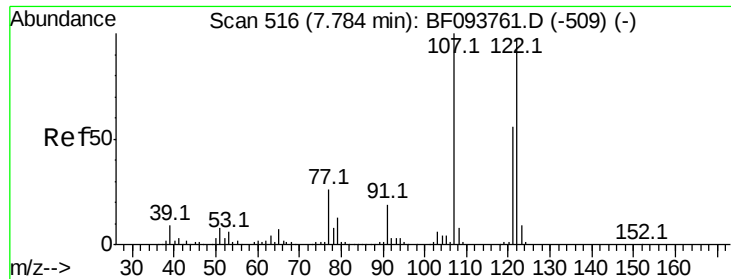
Ion Ratio Lower Upper

139 100

109 27.7 21.0 31.6

65 48.0 33.0 49.6





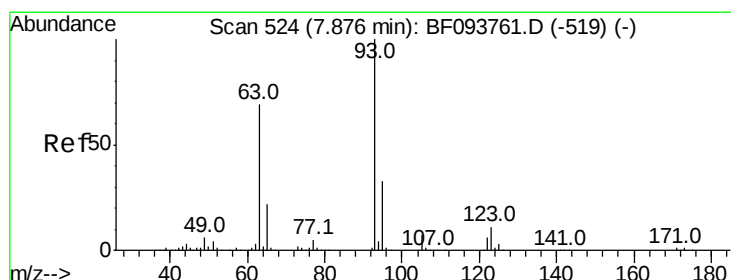
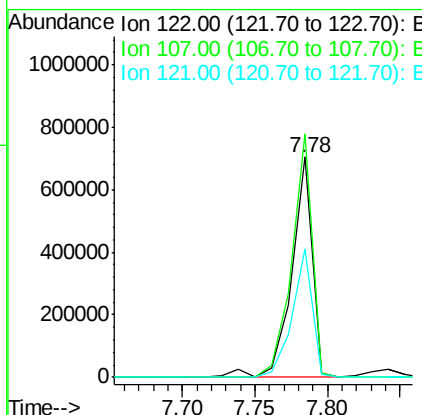
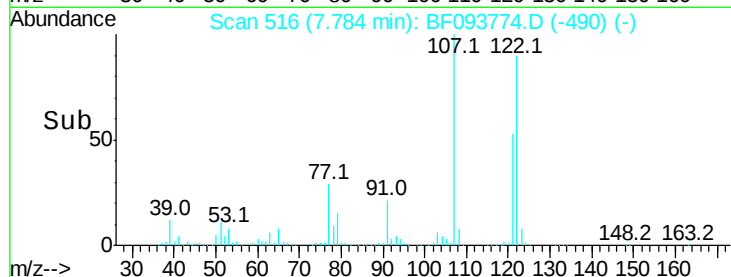
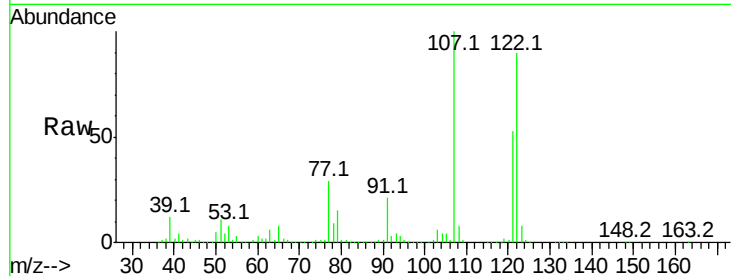
#27
2,4-Dimethylphenol
Concen: 48.65 ng
RT: 7.78 min Scan# 516
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	698192		
107	110.6	89.2	133.8	
121	58.3	45.2	67.8	

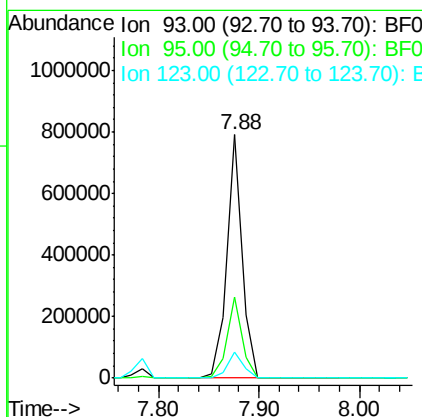
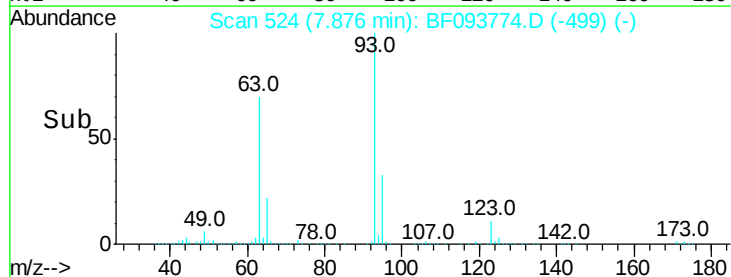
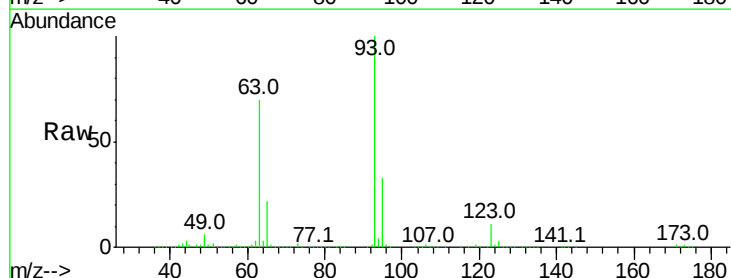
Manual Integrations
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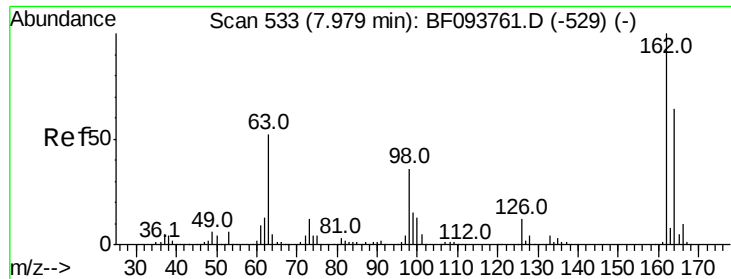
mohammad
3/21/2017 2:45:27 PM



#28
bis(2-Chloroethoxy)methane
Concen: 45.04 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	829307		
95	33.2	26.5	39.7	
123	10.6	9.0	13.4	





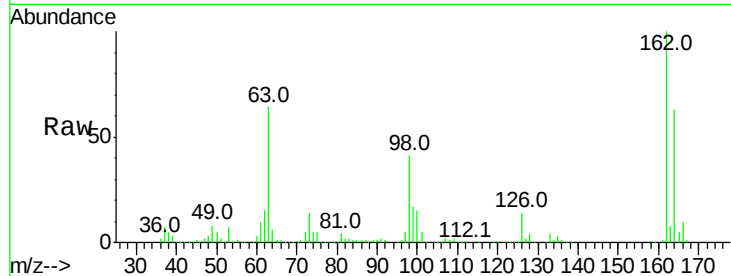
#29
 2,4-Dichlorophenol
 Concen: 47.00 ng
 RT: 7.98 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

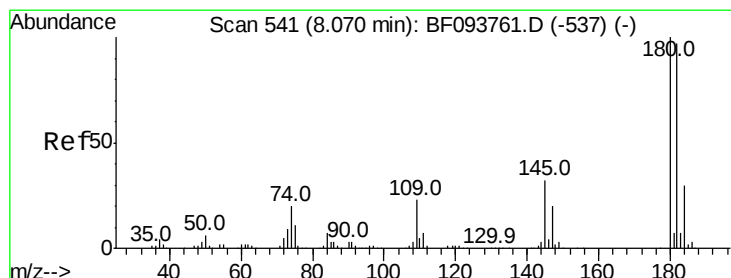
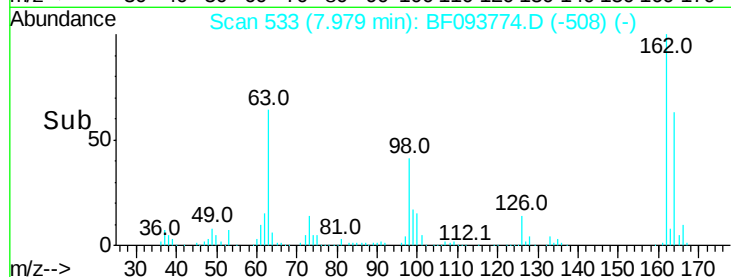
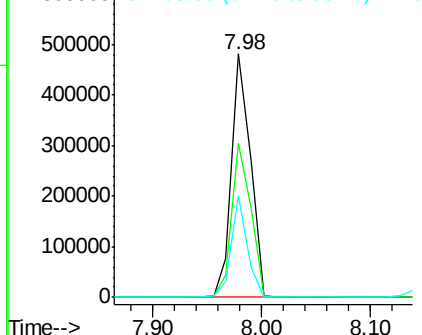
Tot Ion	Ratio	Resp	Lower	Upper
162	100	574204		
164	63.4		44.6	84.6
98	41.5		14.8	54.8

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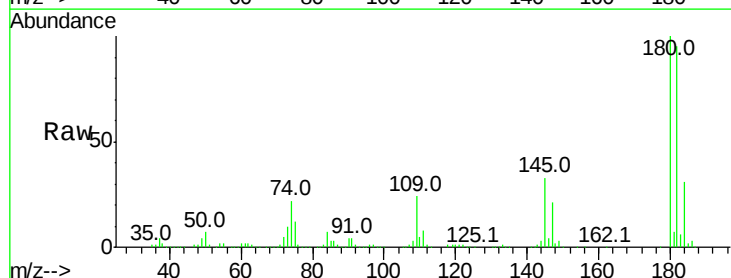


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

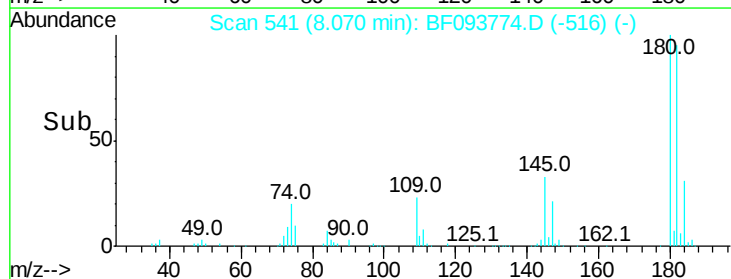
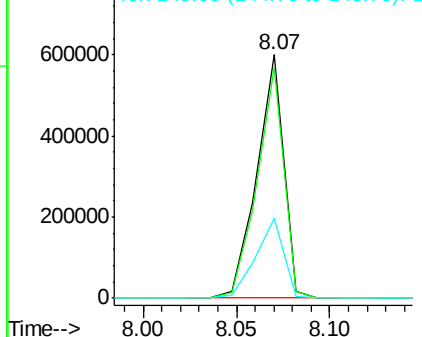


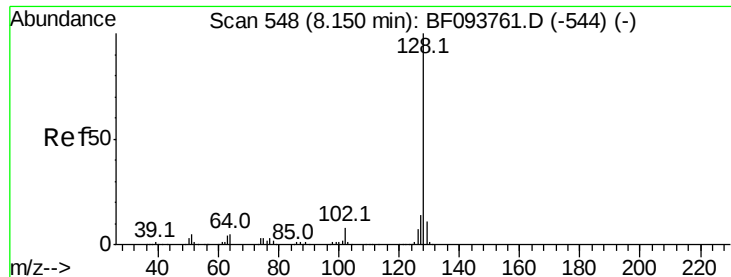
#30
 1,2,4-Trichlorobenzene
 Concen: 46.82 ng
 RT: 8.07 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	594016		
182	94.7		75.8	113.6
145	32.6		25.3	37.9



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





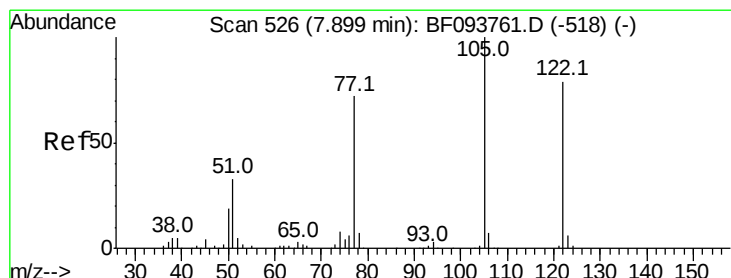
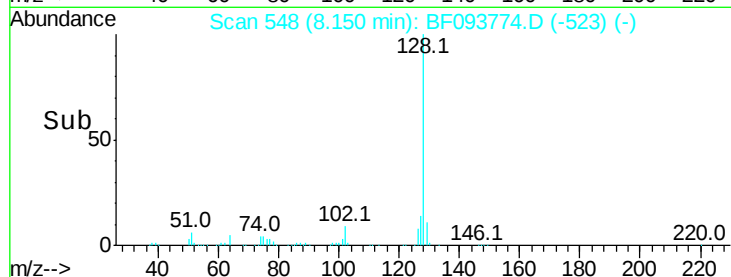
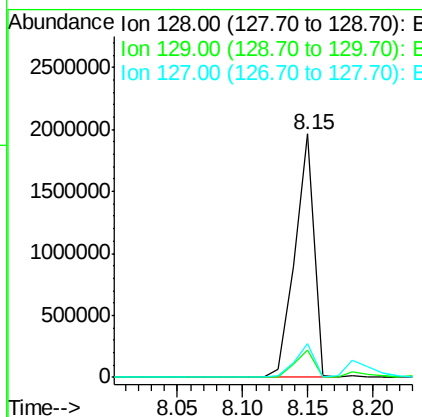
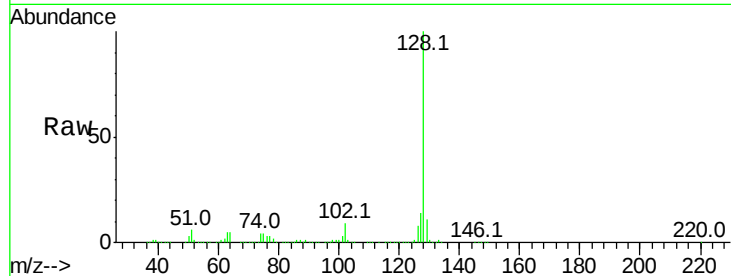
#31
Naphthalene
Concen: 47.56 ng
RT: 8.15 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion:128 Resp: 2022522
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 14.0 10.8 16.2

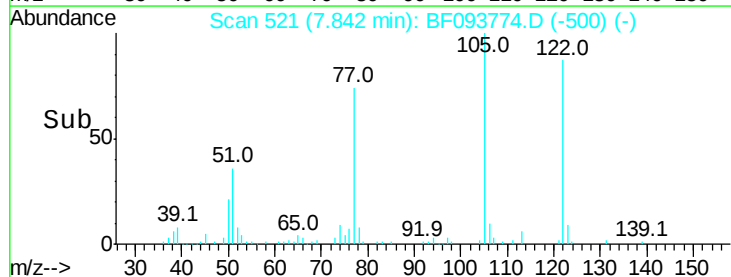
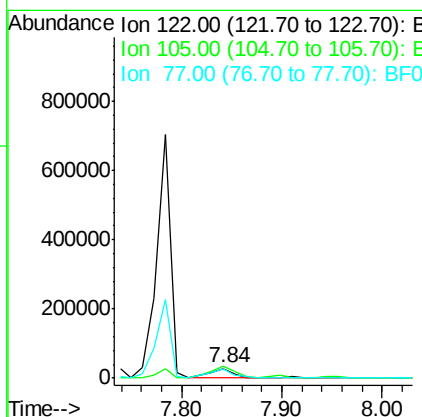
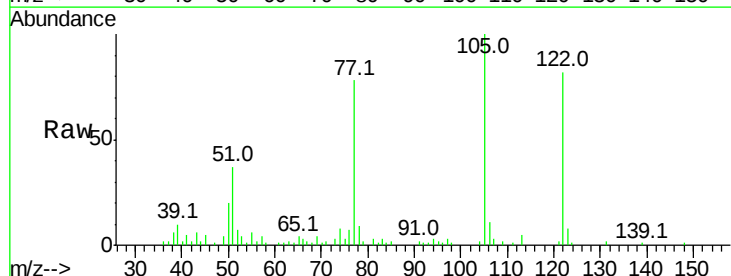
Manual Integrations
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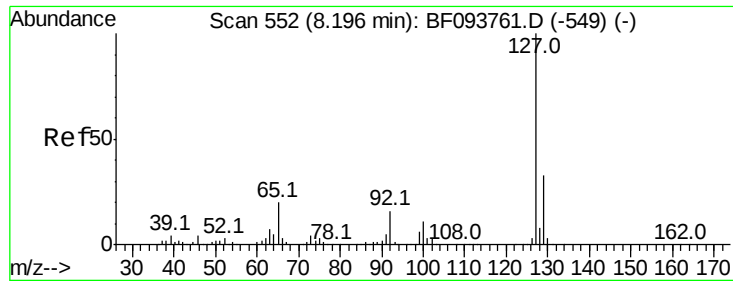
mohammad
3/21/2017 2:45:27 PM



#32
Benzoic acid
Concen: 5.57 ng
RT: 7.84 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:122 Resp: 49716
Ion Ratio Lower Upper
122 100
105 121.7 103.3 143.3
77 94.6 73.7 113.7





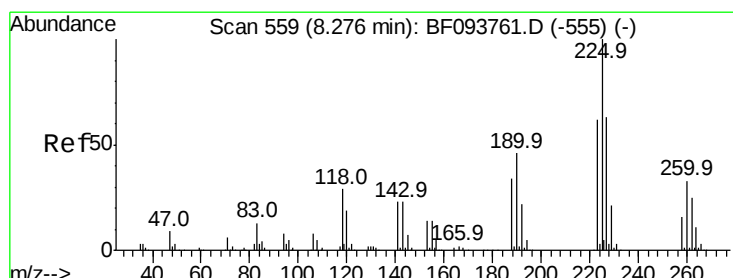
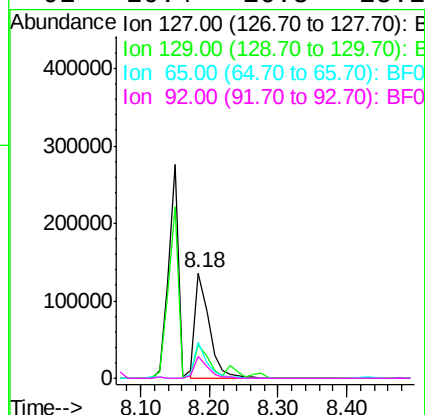
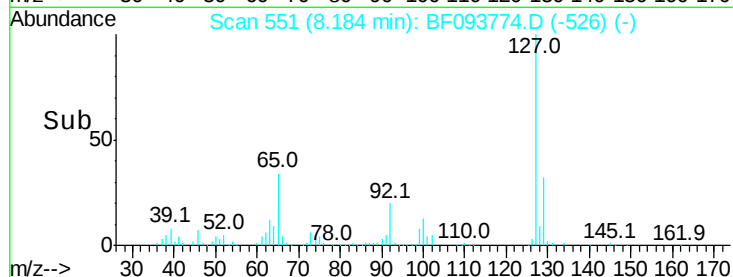
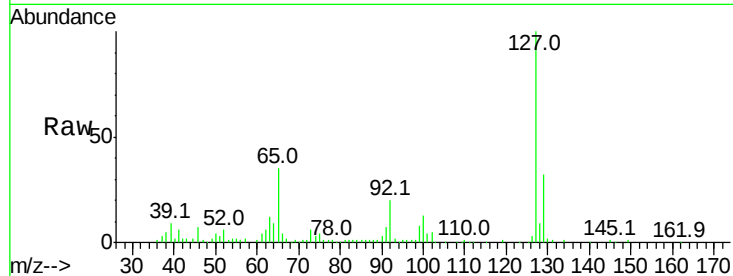
#33
4-Chloroaniline
Concen: 10.40 ng
RT: 8.18 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.2
65	34.7	27.8	41.8
92	20.4	16.8	25.2

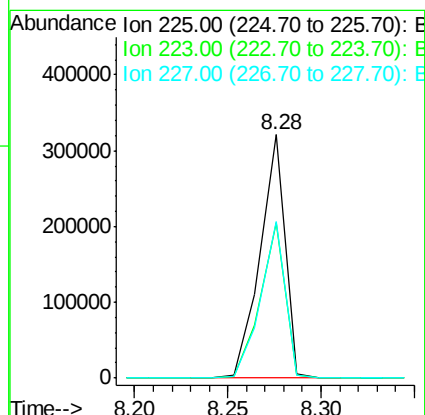
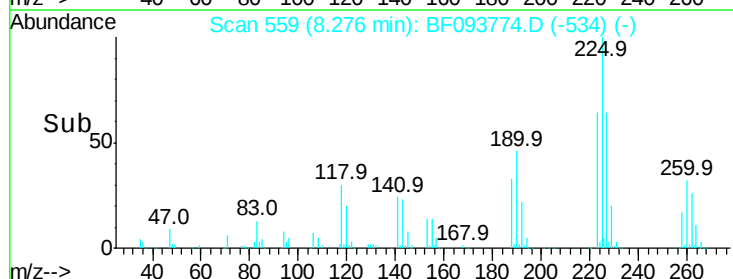
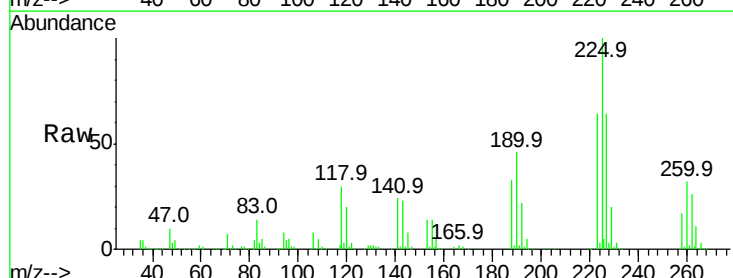
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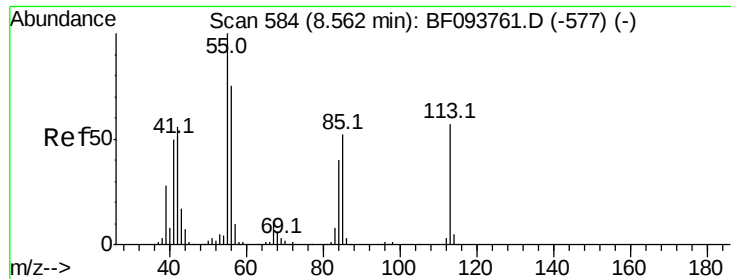
mohammad
3/21/2017 2:45:27 PM



#34
Hexachlorobutadiene
Concen: 45.24 ng
RT: 8.28 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	48.8	73.2
227	64.2	51.1	76.7





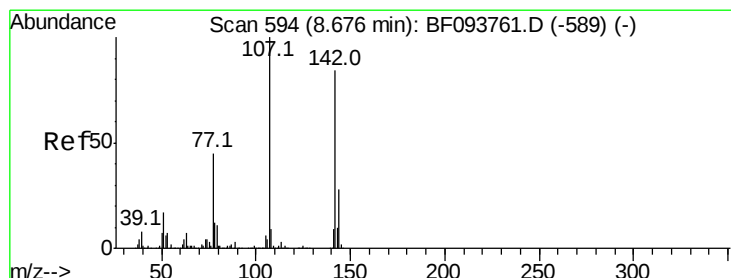
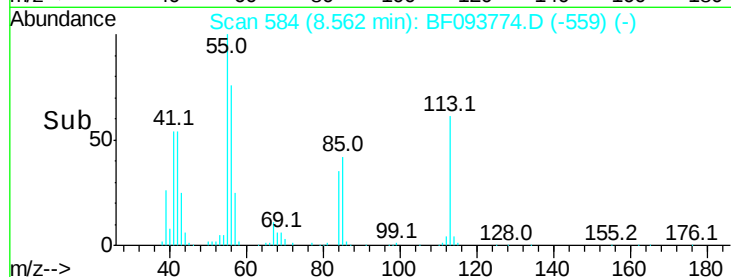
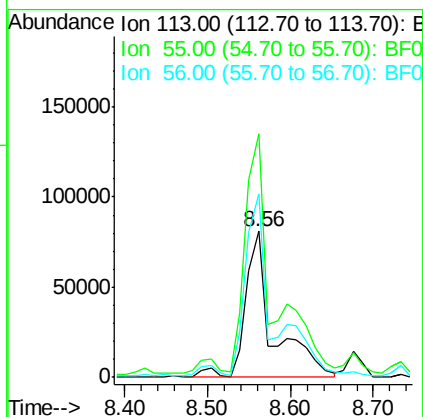
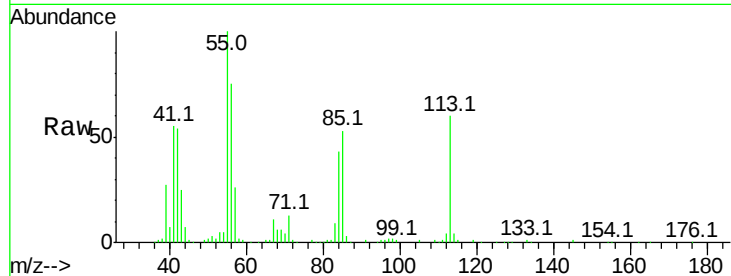
#35
Caprolactam
Concen: 49.12 ng/ml
RT: 8.56 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	166.9	150.2	190.2
56	125.6	107.8	147.8

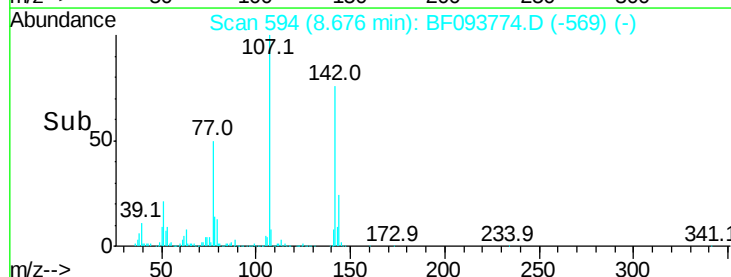
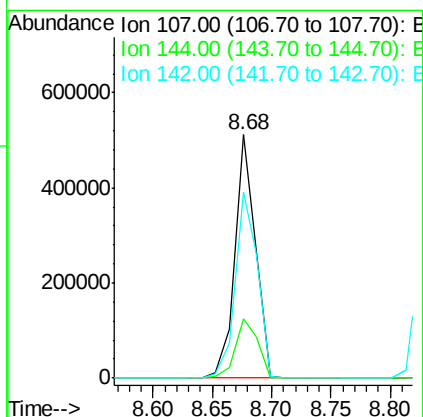
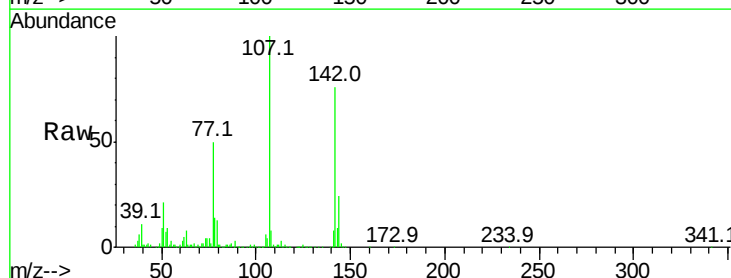
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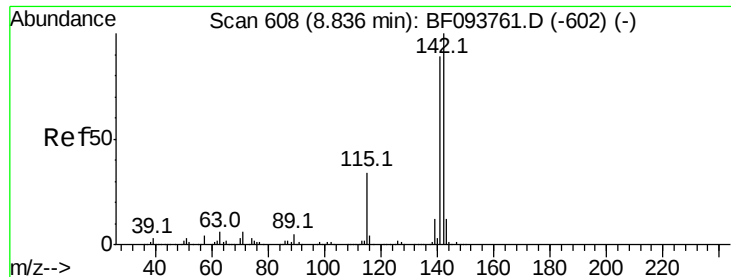
mohammad
3/21/2017 2:45:27 PM



#36
4-Chloro-3-methylphenol
Concen: 48.99 ng/ml
RT: 8.68 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.2	24.2	36.4#
142	76.4	73.4	110.0





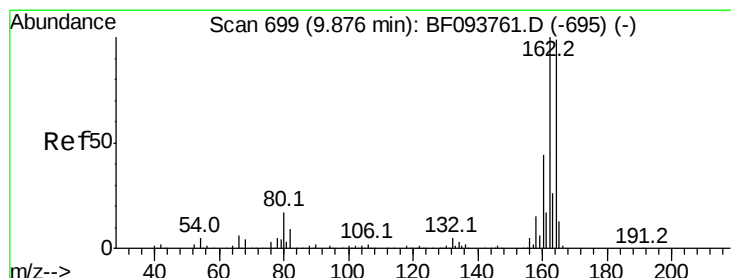
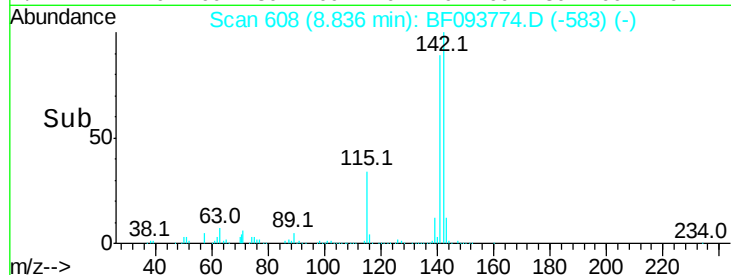
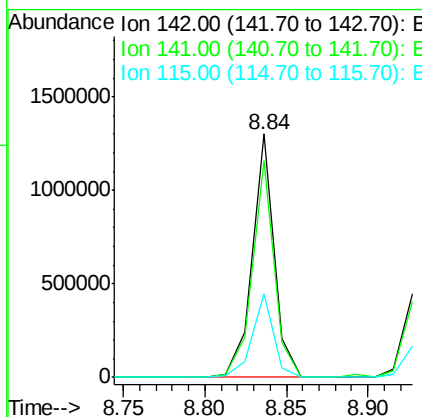
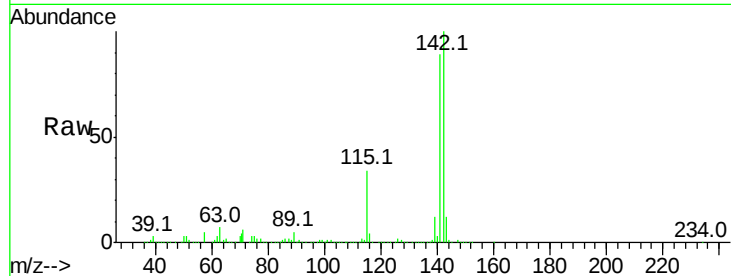
#37
2-Methylnaphthalene
Concen: 43.73 ng
RT: 8.84 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9
115	34.2	27.1	40.7

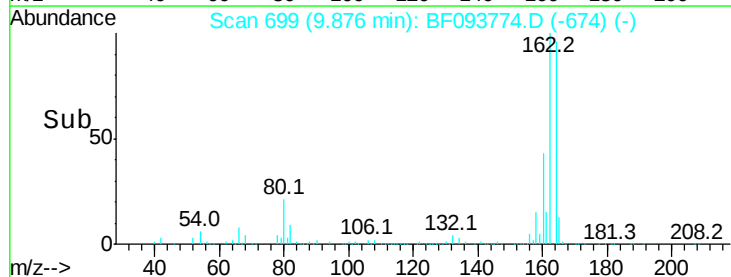
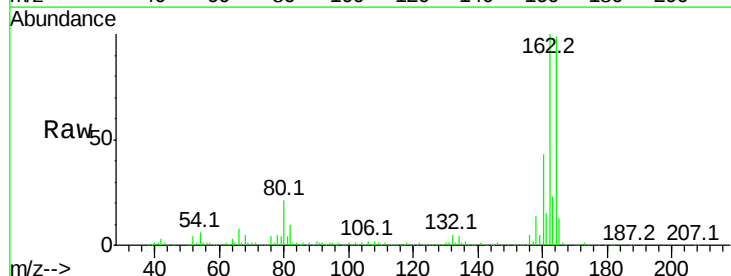
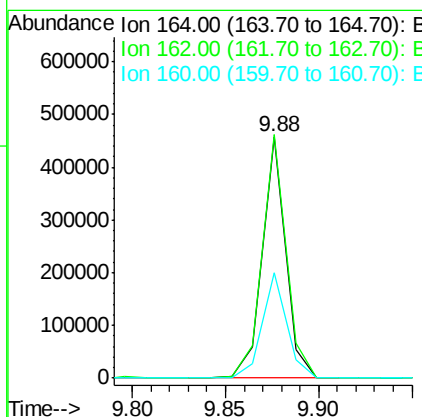
Manual Integrations
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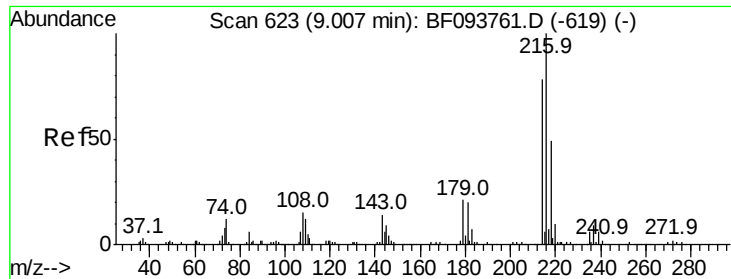
mohammad
3/21/2017 2:45:27 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.6	123.8
160	43.7	36.2	54.2





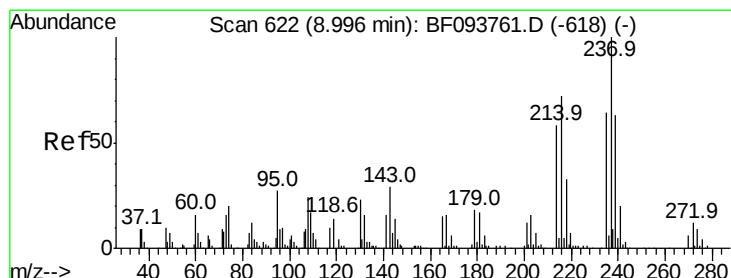
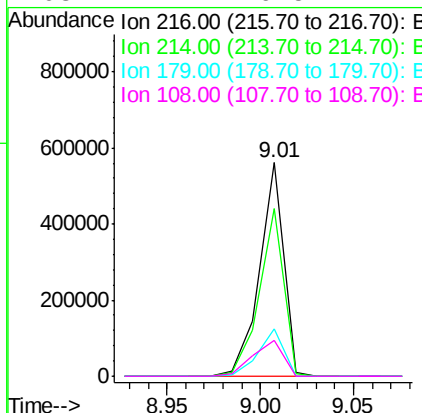
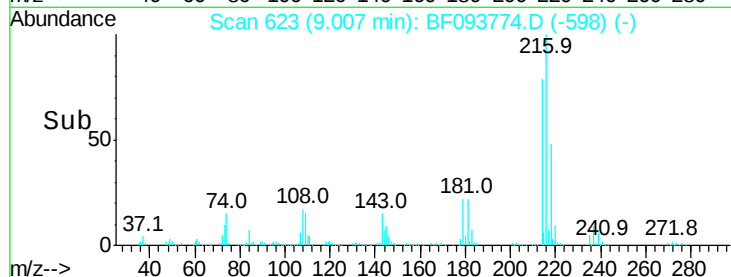
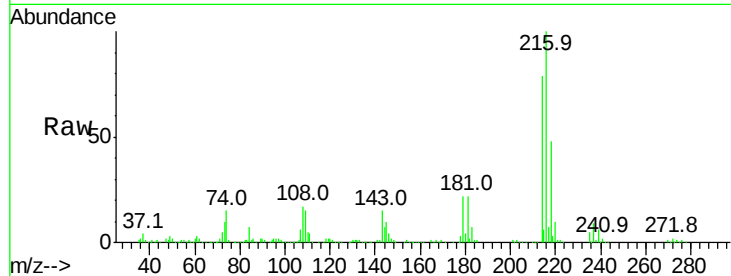
#39
1,2,4,5-Tetrachlorobenzene
Concen: 48.07 ng
RT: 9.01 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	500938		
214	79.4	63.4	95.2	
179	23.3	17.9	26.9	
108	21.2	16.5	24.7	

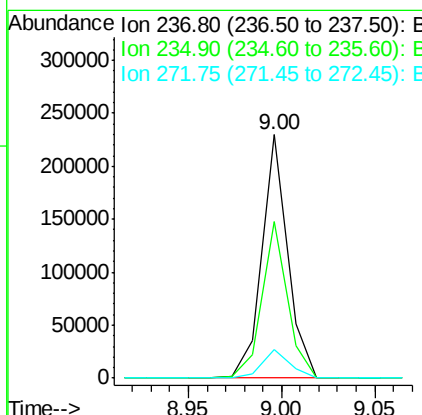
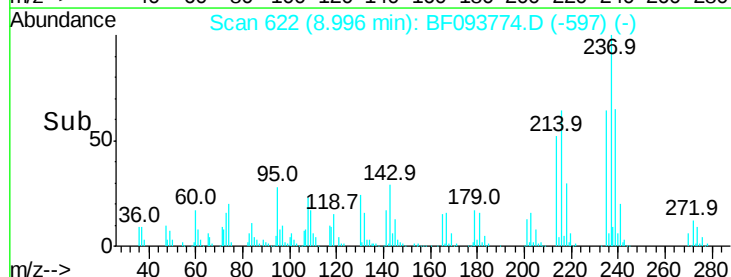
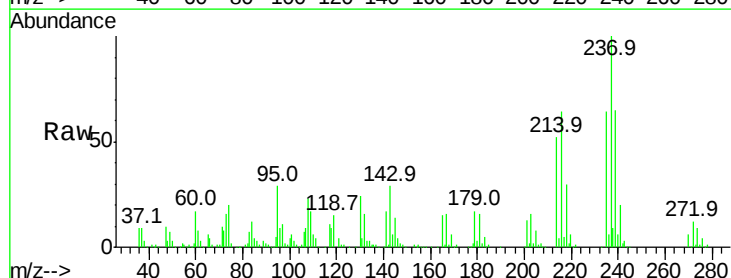
Manual Integrations
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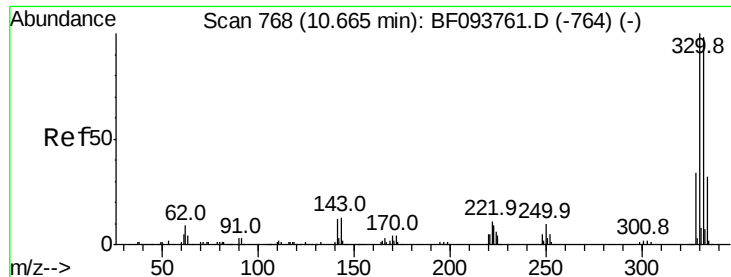
mohammad
3/21/2017 2:45:27 PM



#40
Hexachlorocyclopentadiene
Concen: 41.55 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	218466		
235	64.3	42.6	82.6	
272	11.6	0.0	31.9	





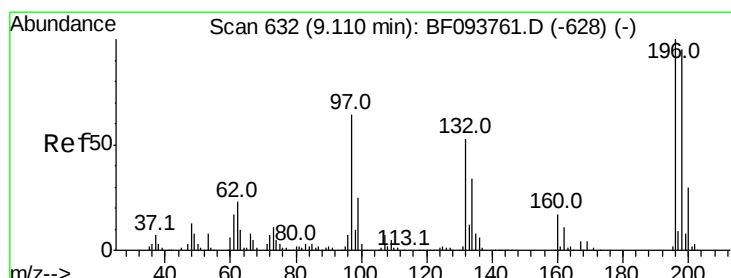
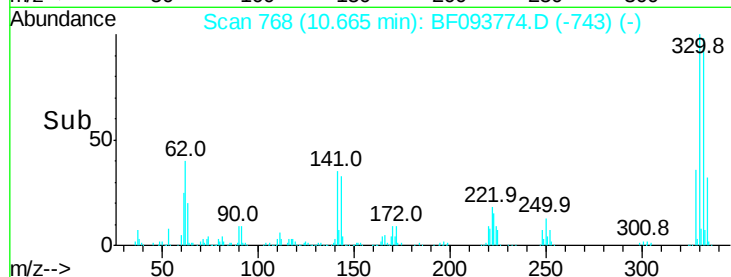
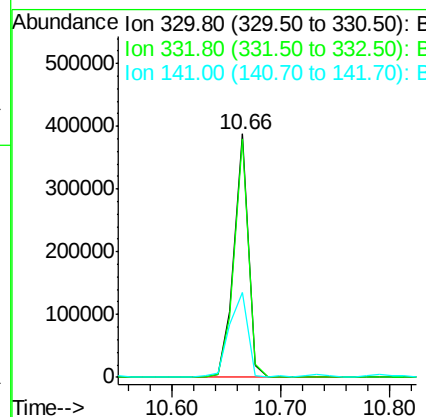
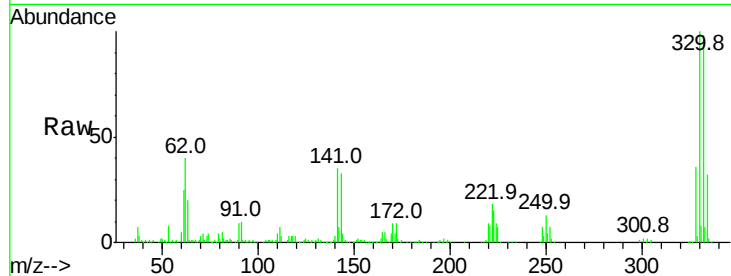
#41
 2,4,6-Tribromophenol
 Concen: 116.93 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.6	115.0	
141	44.1	31.4	47.2	

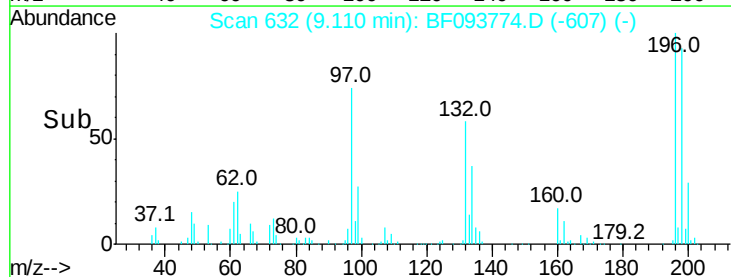
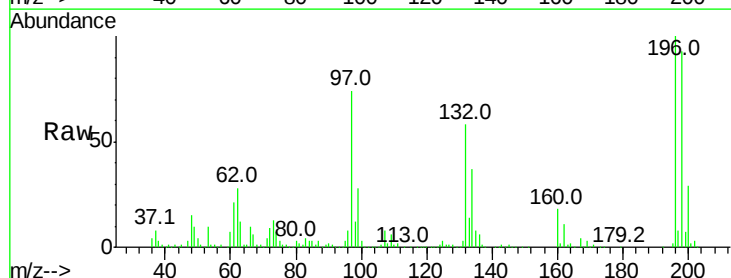
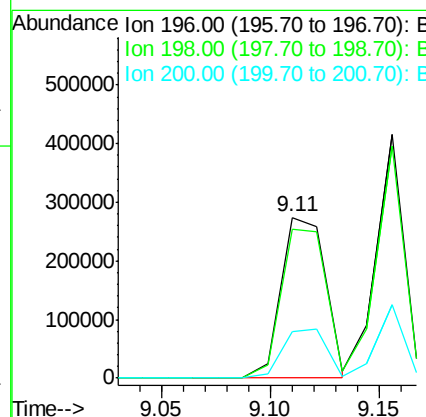
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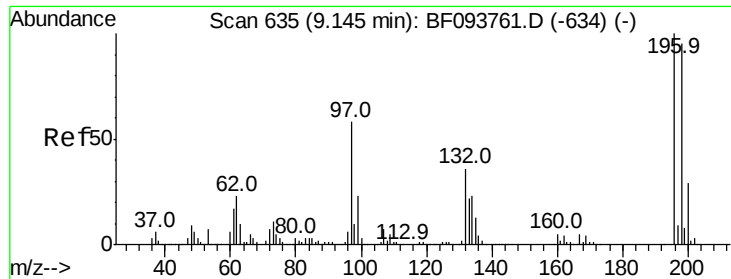
mohammad
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#42
 2,4,6-Trichlorophenol
 Concen: 51.68 ng
 RT: 9.11 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.6	74.2	111.4	
200	28.6	24.0	36.0	





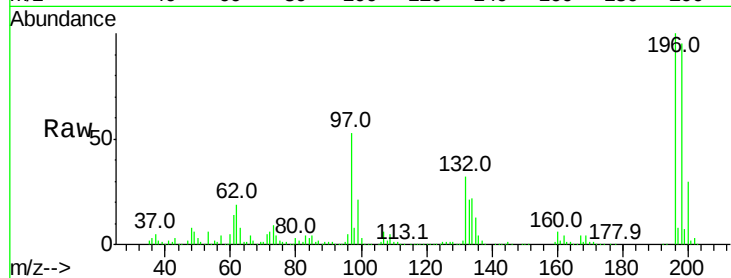
#43
 2,4,5-Trichlorophenol
 Concen: 47.53 ng
 RT: 9.16 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.7	113.5
97	52.6	47.7	71.5
132	32.1	28.0	42.0

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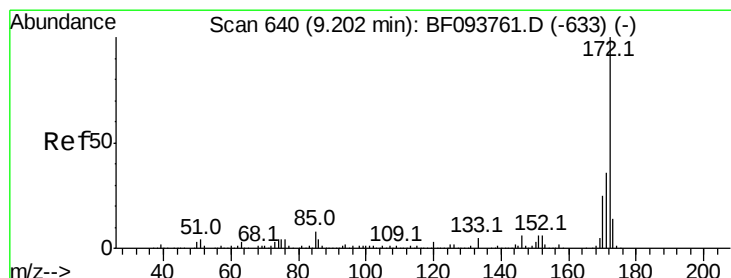
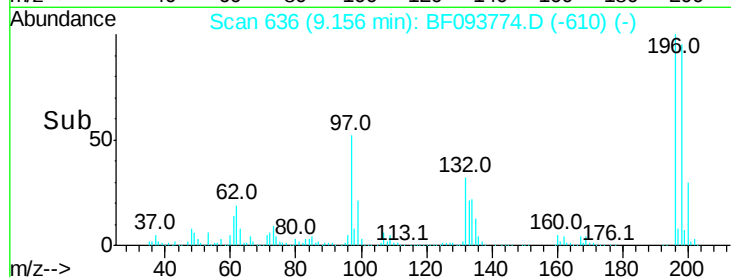
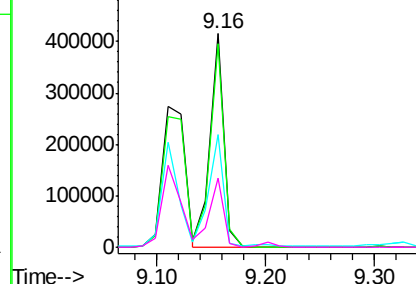
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 79.69 ng
 RT: 9.20 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

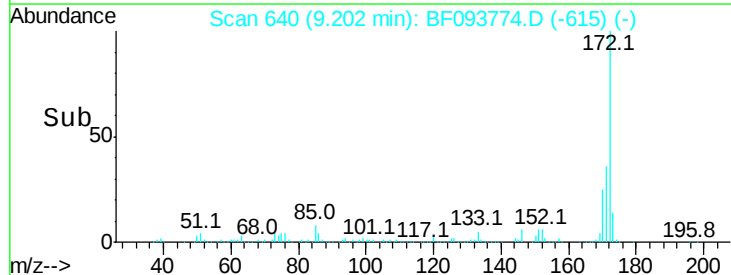
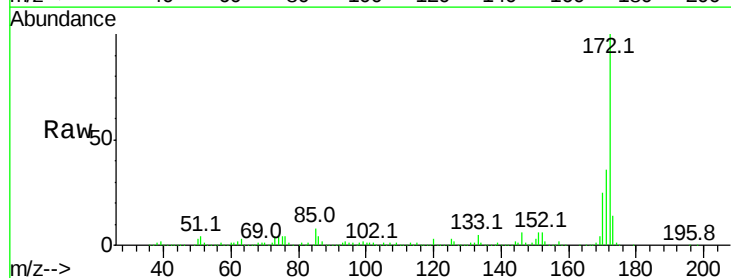
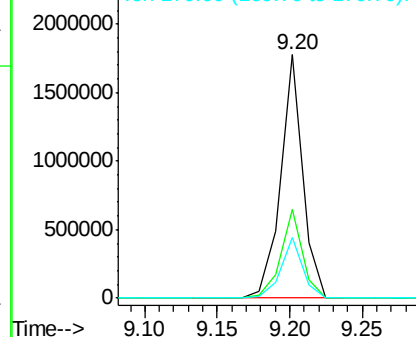
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	25.0	19.8	29.8

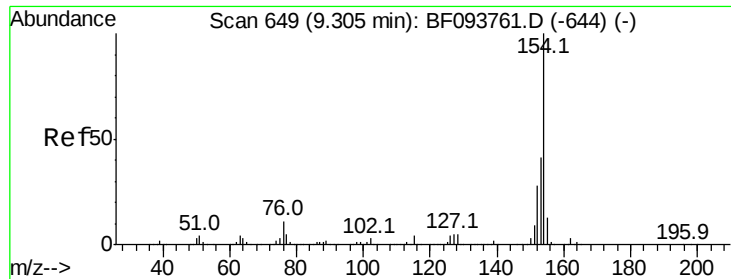
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 46.35 ng

RT: 9.30 min Scan# 649

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:154 Resp: 1482313

Ion Ratio Lower Upper

154 100

153 41.4 21.2 61.2

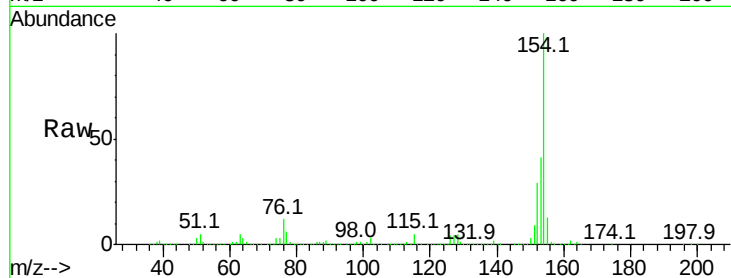
76 11.9 0.0 29.9

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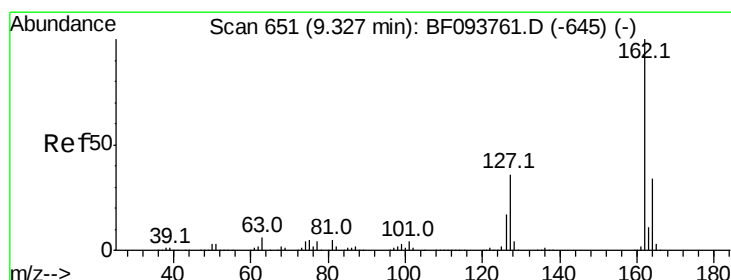
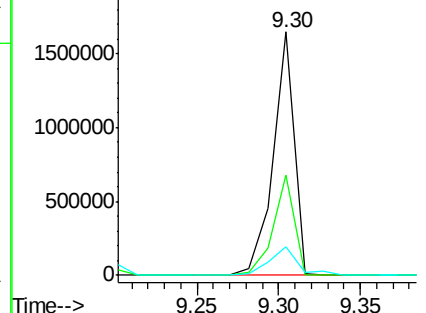
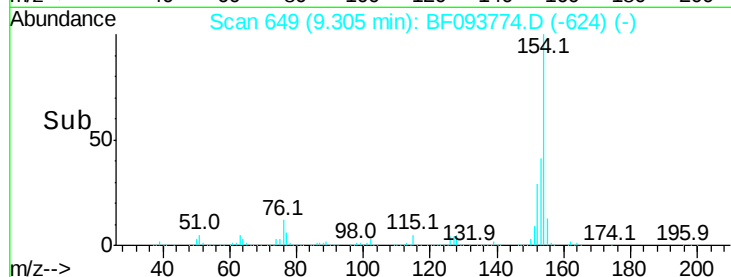
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 48.53 ng

RT: 9.33 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

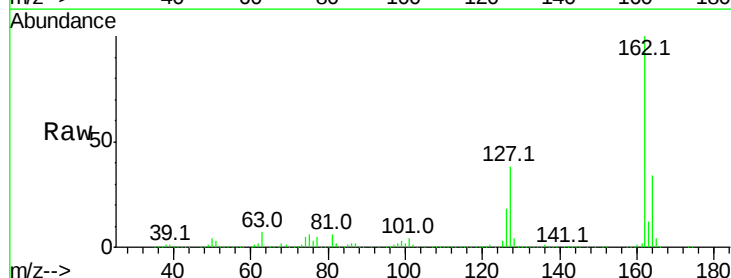
Tgt Ion:162 Resp: 1189924

Ion Ratio Lower Upper

162 100

127 38.1 28.3 42.5

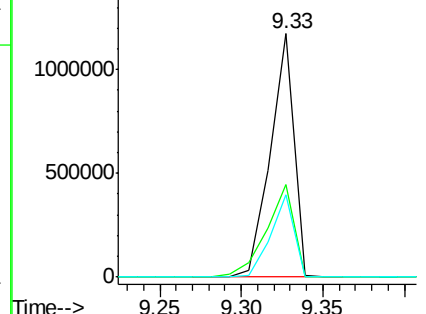
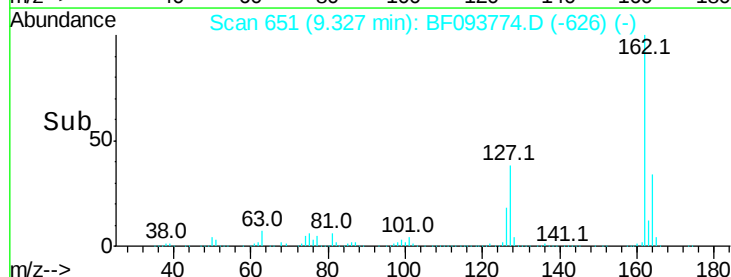
164 34.0 27.0 40.4

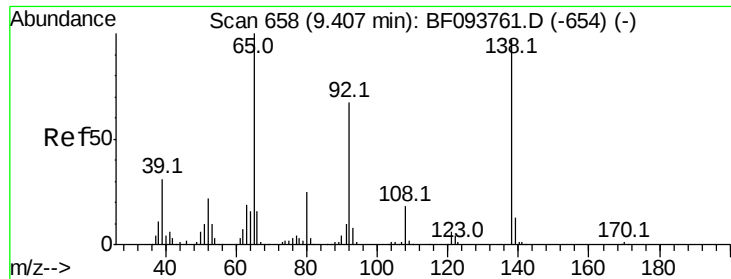


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





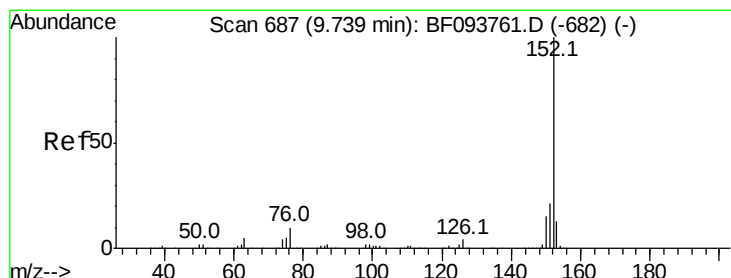
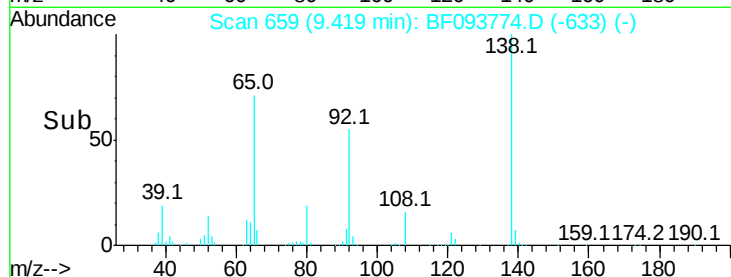
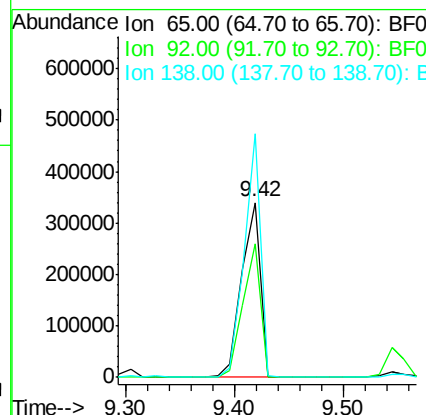
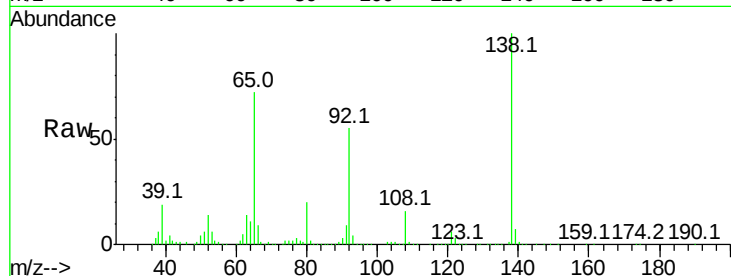
#47
2-Nitroaniline
Concen: 57.81 ng
RT: 9.42 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	76.5	53.9	80.9
138	139.4	78.8	118.2

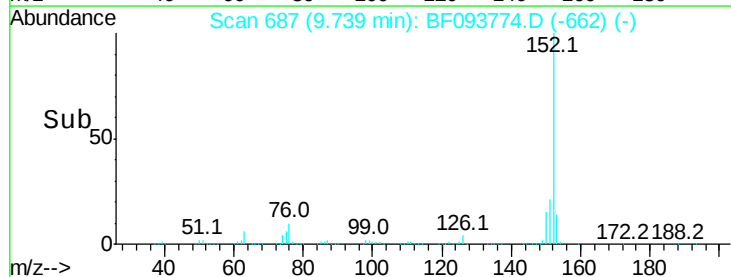
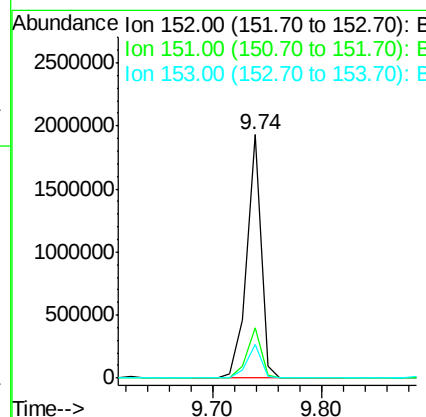
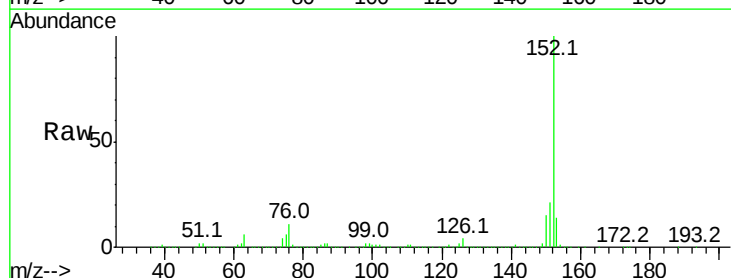
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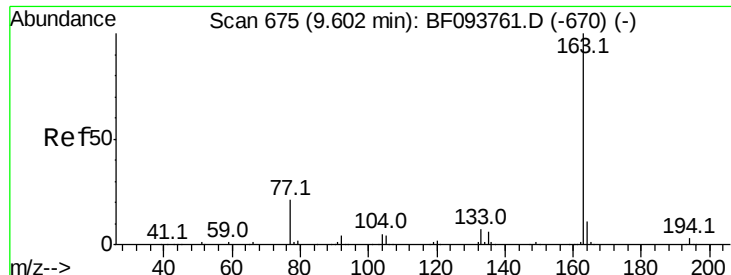
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#48
Acenaphthylene
Concen: 43.30 ng
RT: 9.74 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	13.9	10.8	16.2





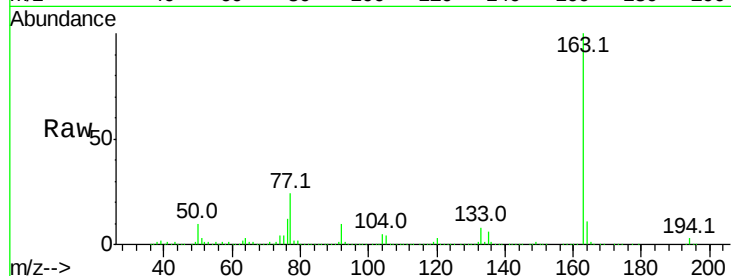
#49
Dimethylphthalate
Concen: 57.15 ng
RT: 9.60 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

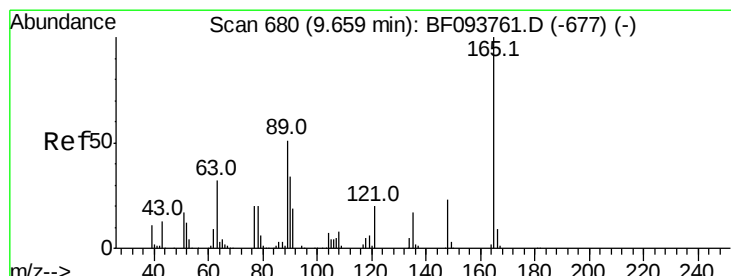
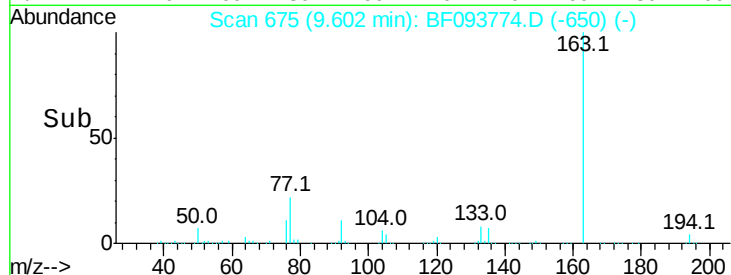
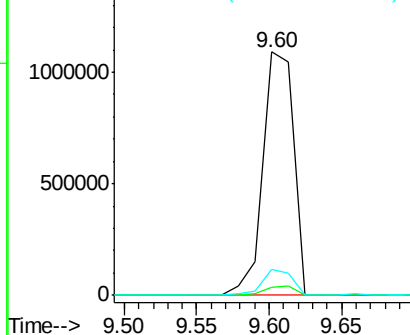
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.8	8.4	12.6

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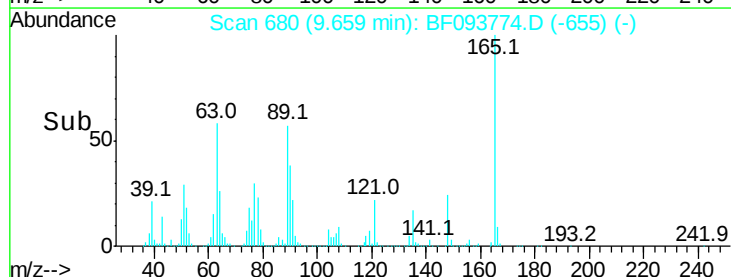
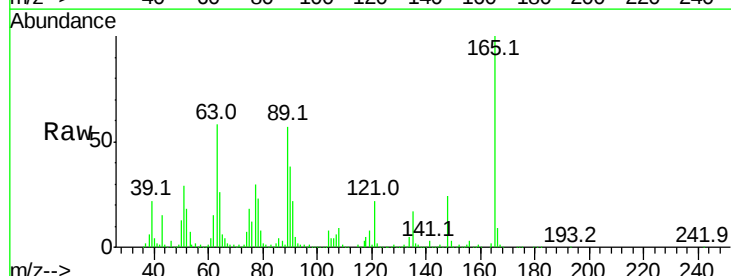
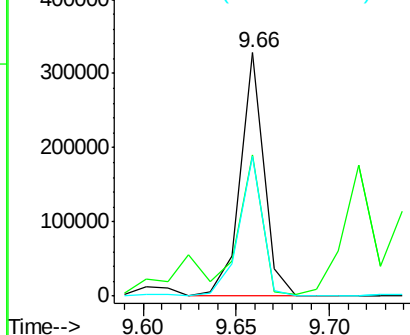
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

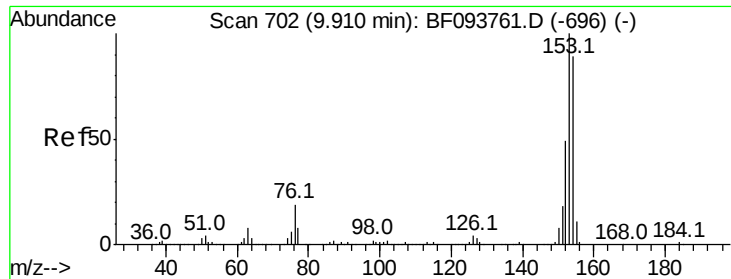


#50
2,6-Dinitrotoluene
Concen: 47.22 ng
RT: 9.66 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	57.9	34.3	51.5#
89	57.3	37.1	55.7#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 40.79 ng

RT: 9.91 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

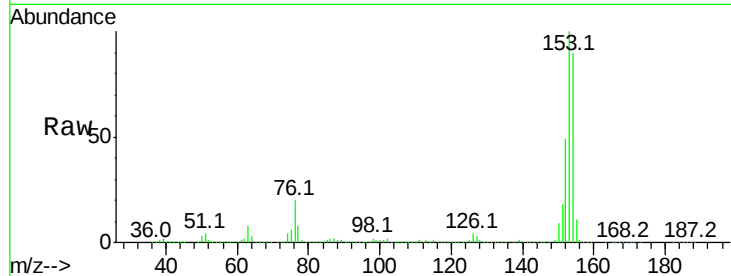
ClientSampleId :

SPA-B6(0-5)MSD

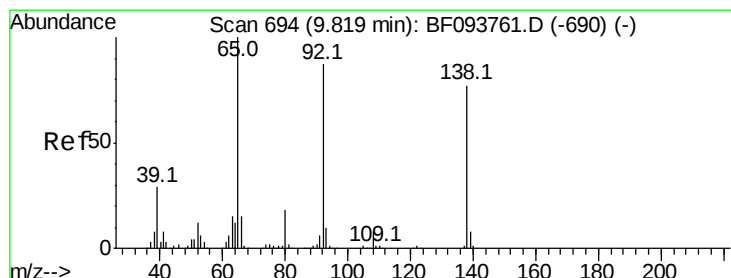
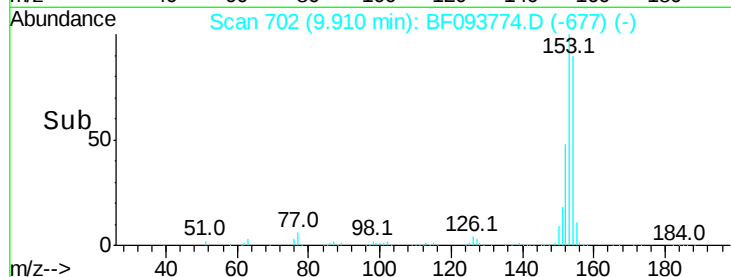
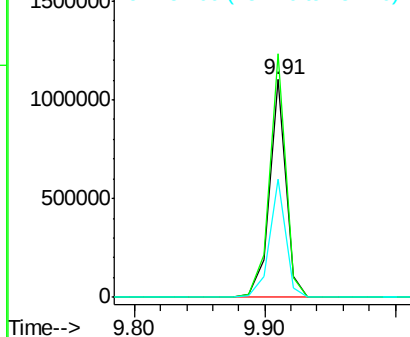
Tot Ion:	154	Resp:	972115
Ion Ratio	Lower	Upper	
154	100		
153	111.7	90.5	135.7
152	54.4	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.17 ng

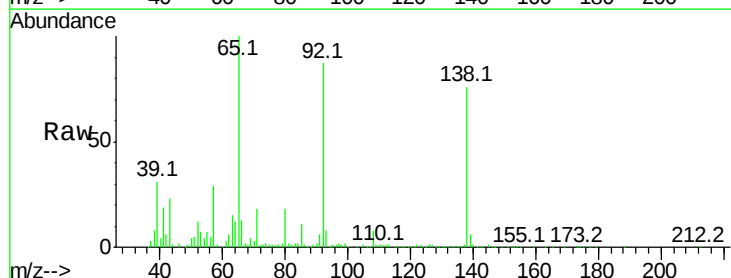
RT: 9.82 min Scan# 694

Delta R.T. -0.01 min

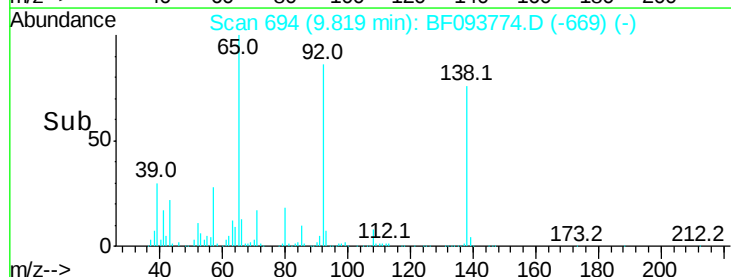
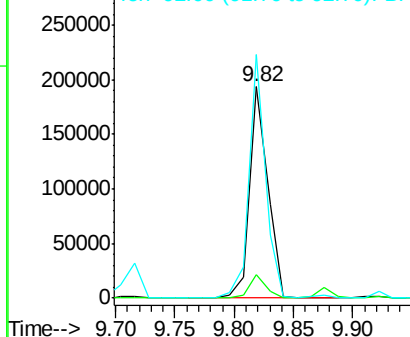
Lab File: BF093774.D

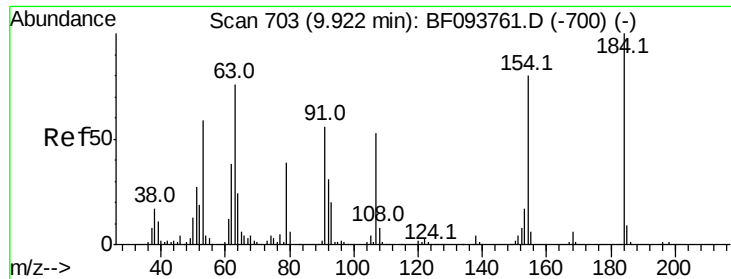
Acq: 20 Mar 2017 19:52

Tgt Ion:	138	Resp:	207923
Ion Ratio	Lower	Upper	
138	100		
108	11.0	9.1	13.7
92	115.1	93.8	140.6



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 7.73 ng

RT: 9.92 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:184 Resp: 18660

Ion Ratio Lower Upper

184 100

63 81.2 62.7 94.1

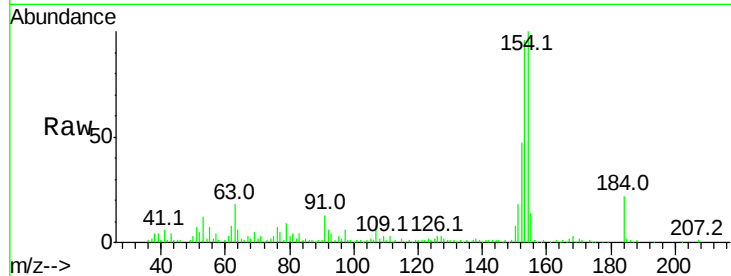
154 462.2 81.1 121.7#

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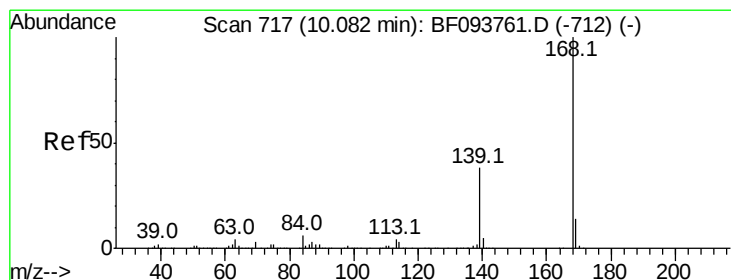
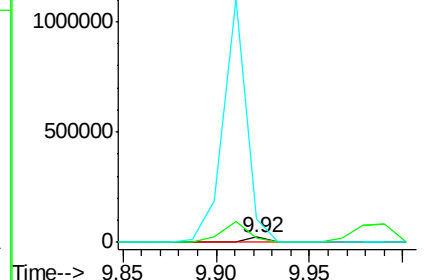
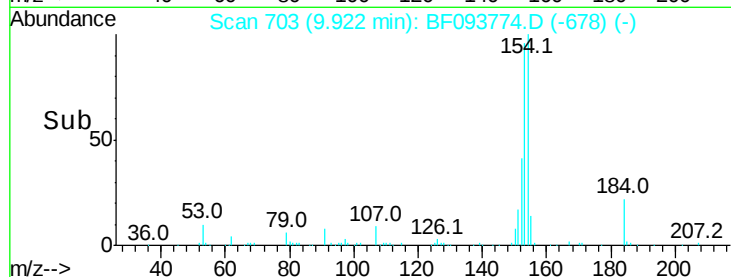
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 46.24 ng

RT: 10.08 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

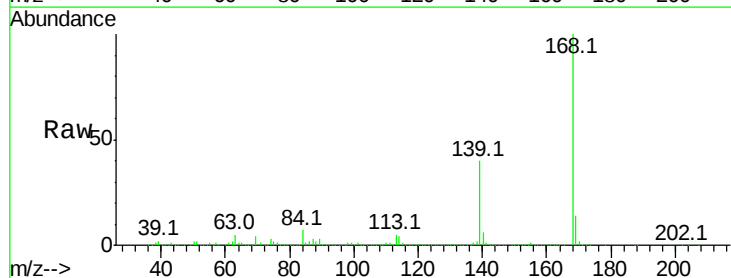
Tgt Ion:168 Resp: 1482998

Ion Ratio Lower Upper

168 100

139 40.0 30.6 45.8

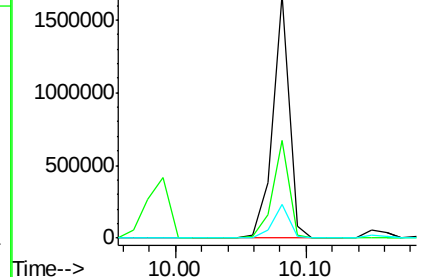
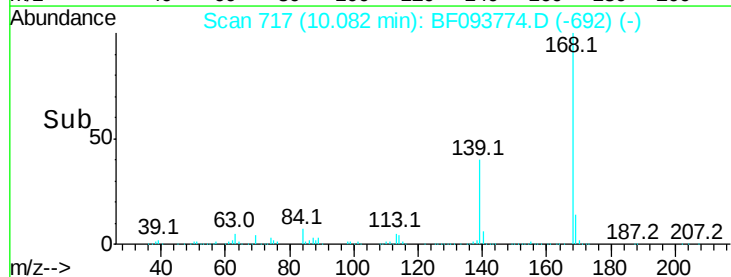
169 14.0 10.8 16.2

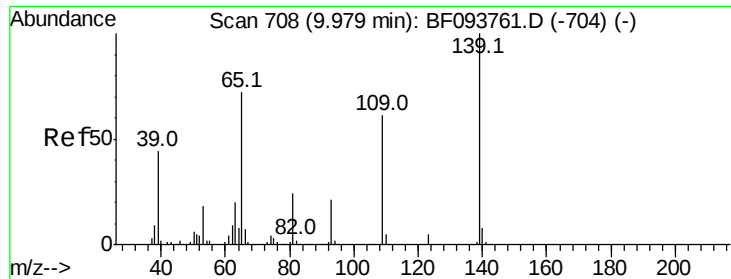


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





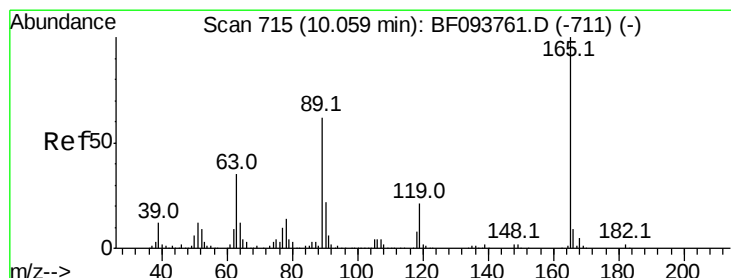
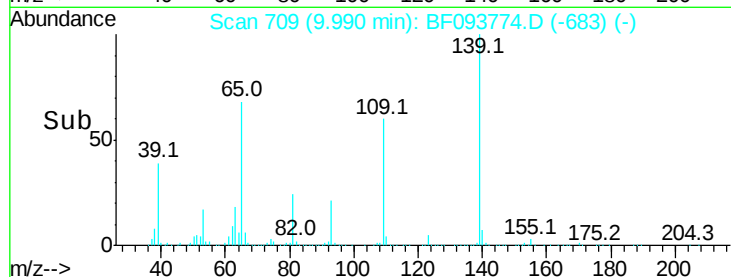
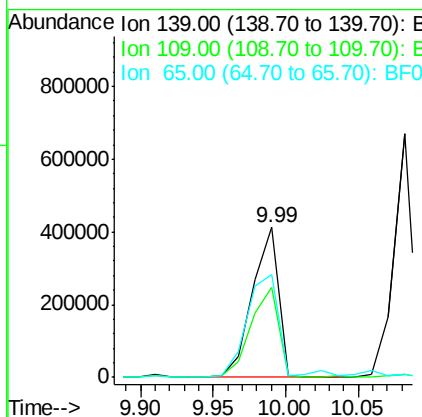
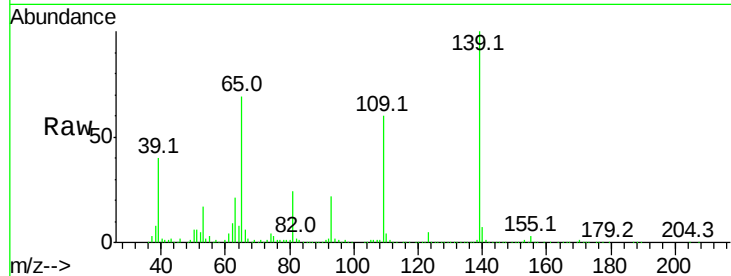
#55
4-Nitrophenol
Concen: 92.45 ng
RT: 9.99 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	60.1	34.1	74.1	
65	68.7	31.4	71.4	

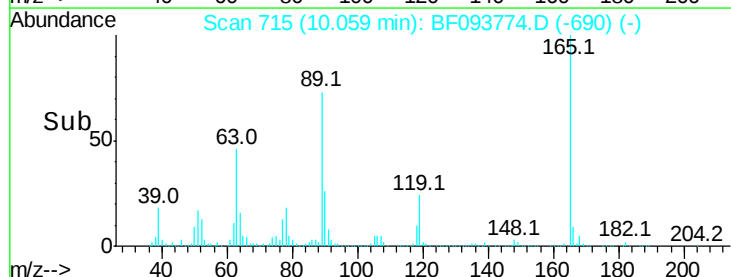
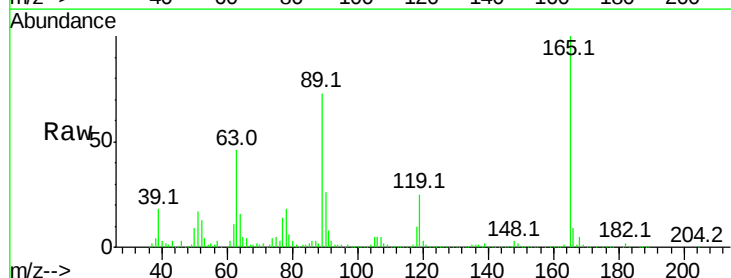
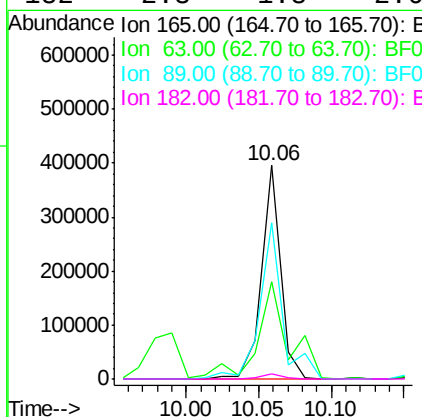
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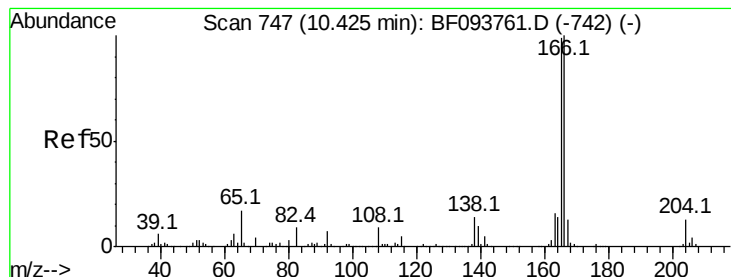
mohammad
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#56
2,4-Dinitrotoluene
Concen: 46.20 ng
RT: 10.06 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.6	25.4	38.0#	
89	72.9	46.4	69.6#	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 44.24 ng

RT: 10.42 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:166 Resp: 1086761

Ion Ratio Lower Upper

166 100

165 99.3 78.8 118.2

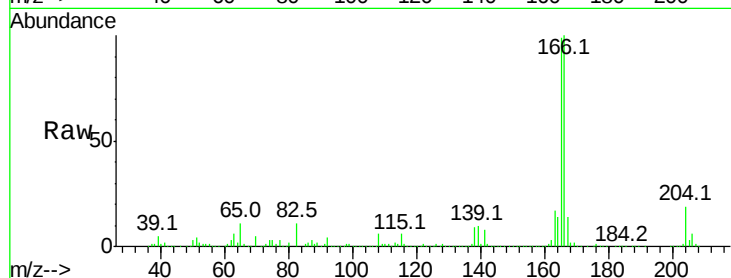
167 13.6 10.6 16.0

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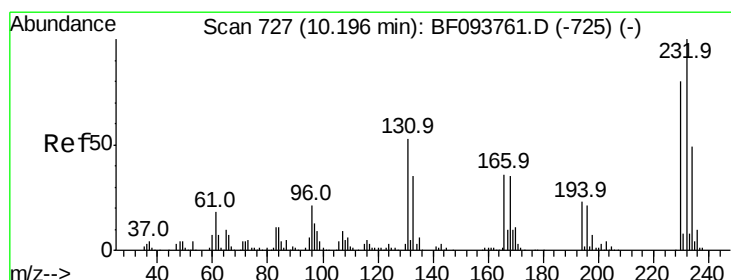
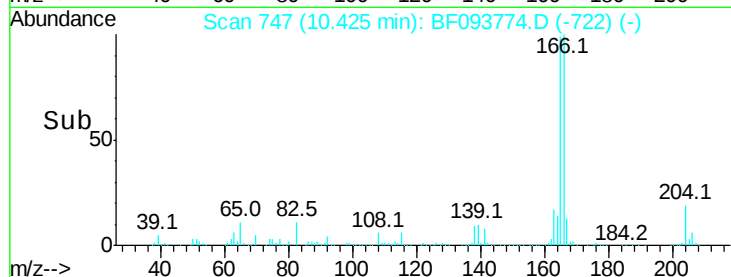
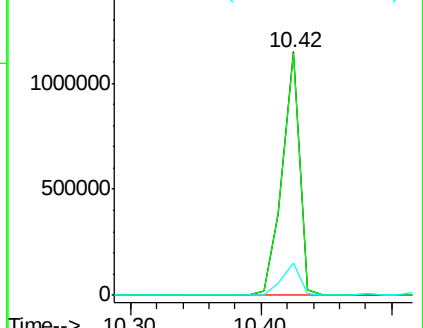
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.79 ng

RT: 10.20 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:232 Resp: 241667

Ion Ratio Lower Upper

232 100

131 57.0 44.8 67.2

130 2.6 2.3 3.5

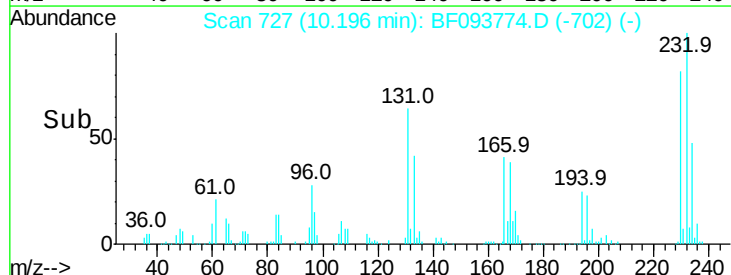
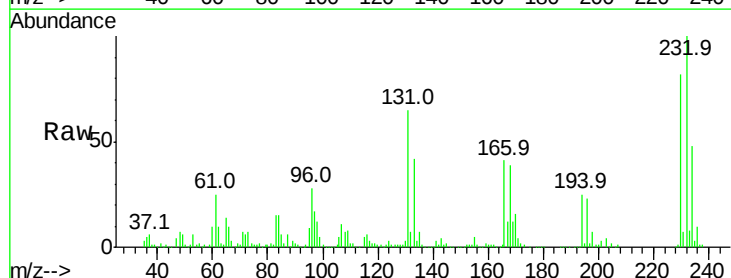
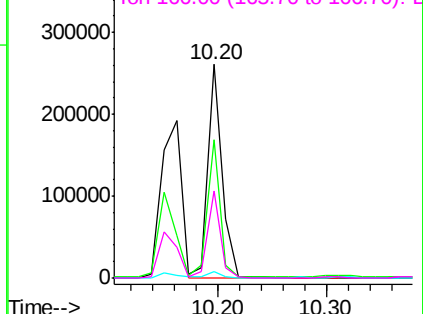
166 36.5 29.0 43.4

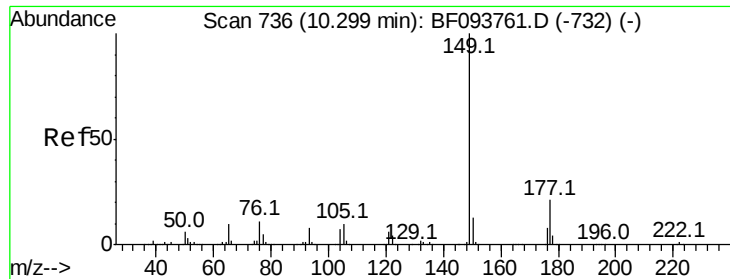
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





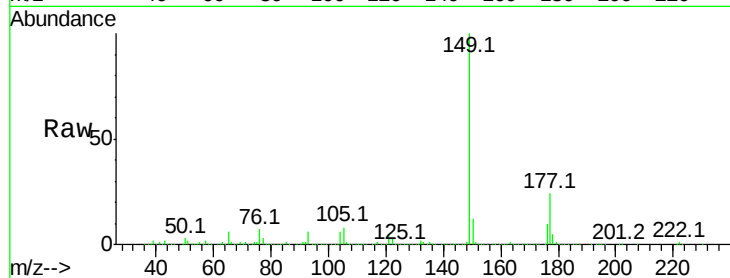
#59
Diethylphthalate
Concen: 49.73 ng
RT: 10.31 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

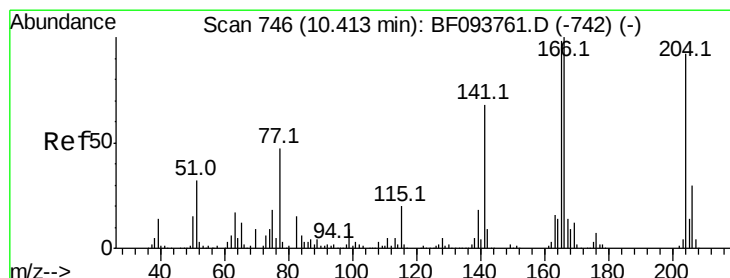
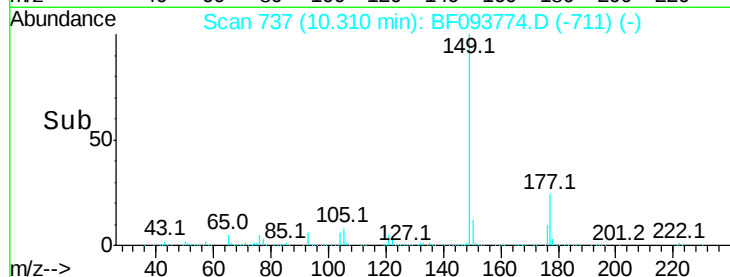
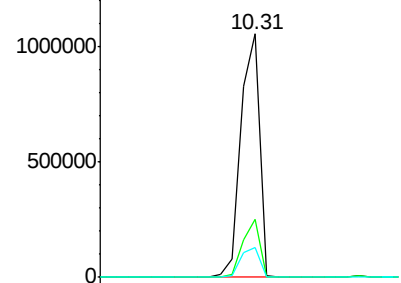
Tot Ion:149 Resp: 1357217
Ion Ratio Lower Upper
149 100
177 23.9 16.7 25.1
150 12.3 10.2 15.2

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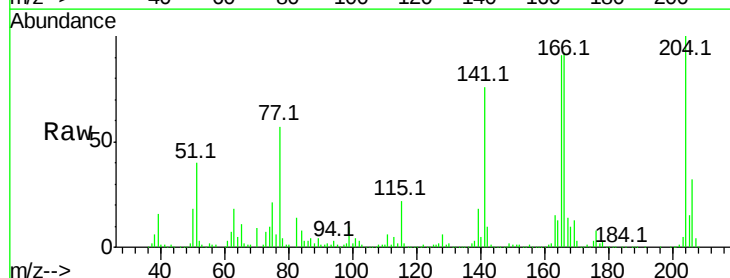


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

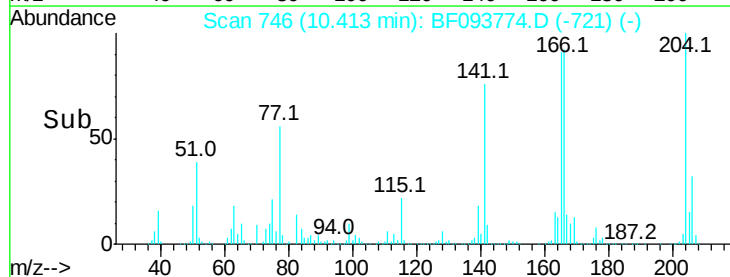
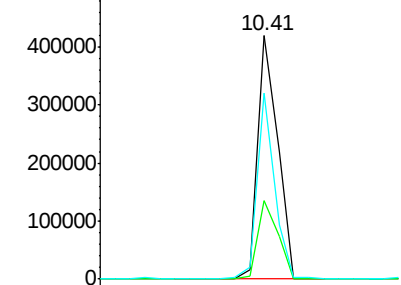


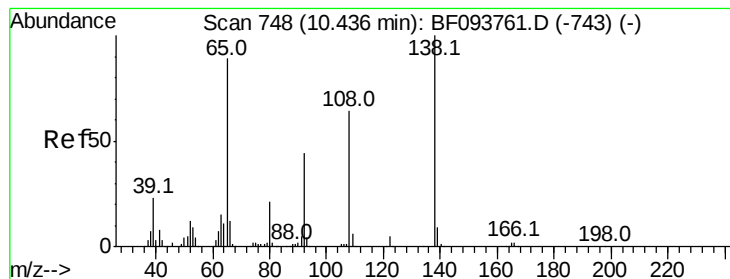
#60
4-Chlorophenyl-phenylether
Concen: 43.59 ng
RT: 10.41 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion:204 Resp: 451345
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 76.3 60.8 91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





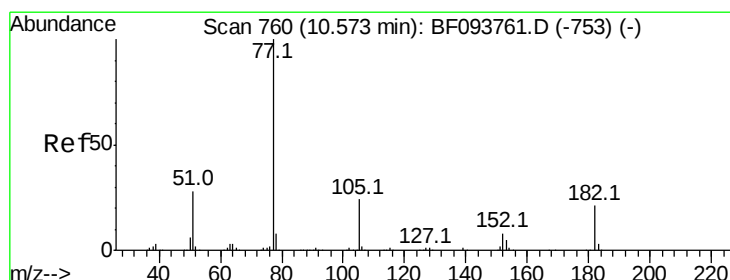
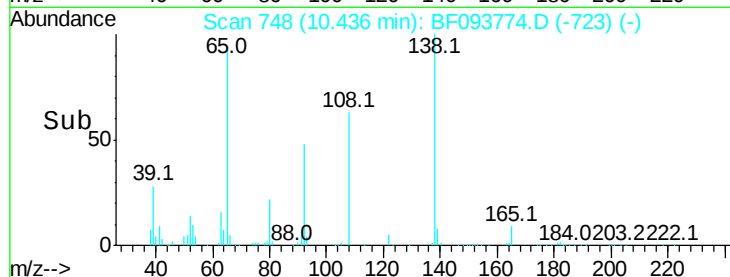
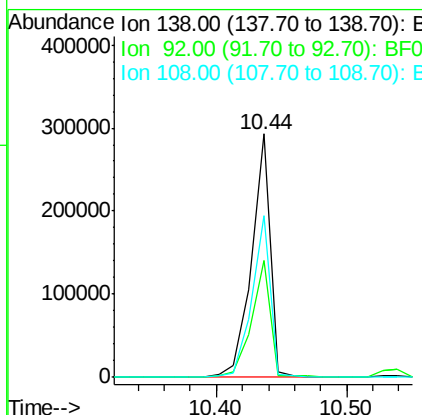
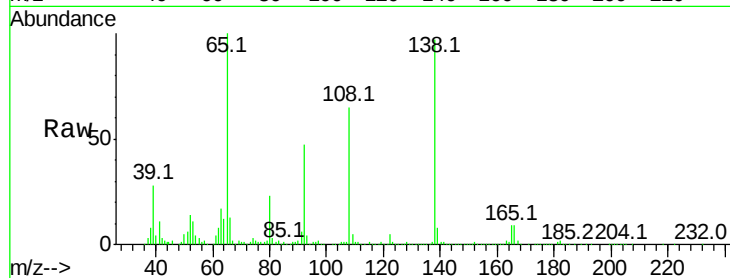
#61
4-Nitroaniline
Concen: 43.92 ng
RT: 10.44 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.9	21.8	61.8
108	66.6	42.3	82.3

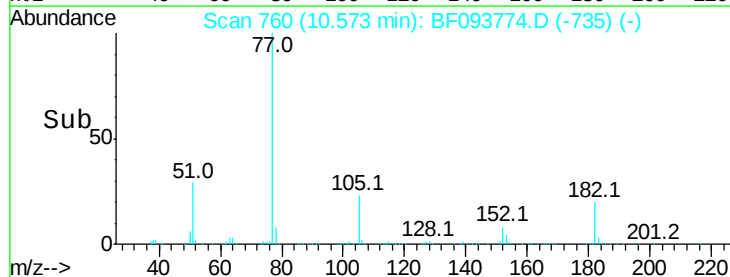
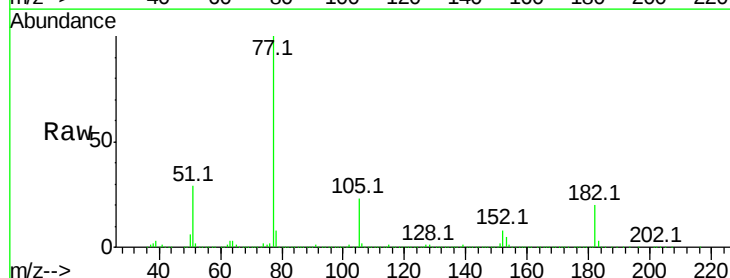
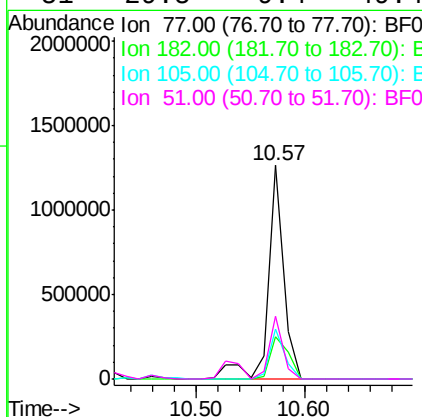
Manual Integrations
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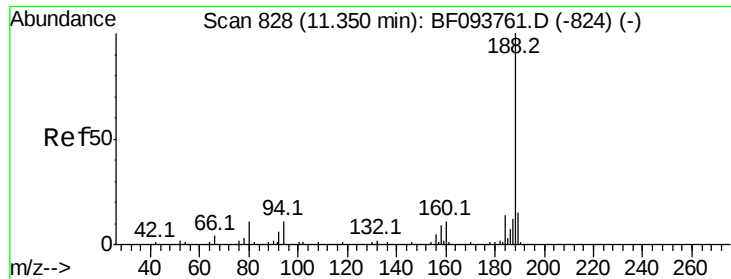
mohammad
3/21/2017 2:45:27 PM



#62
Azobenzene
Concen: 47.22 ng
RT: 10.57 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.9	0.1	40.1
105	23.3	3.6	43.6
51	29.5	9.4	49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

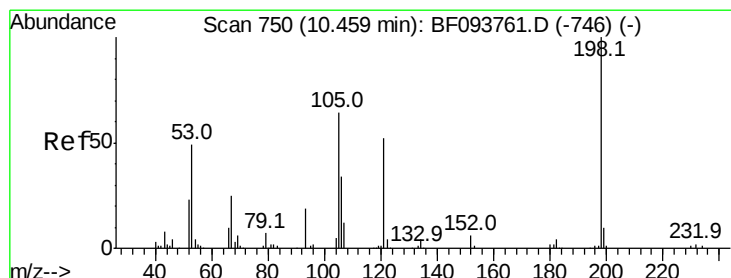
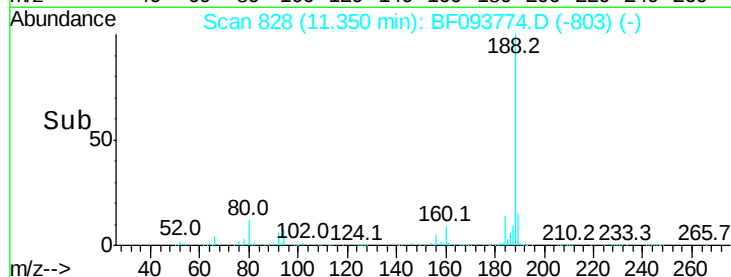
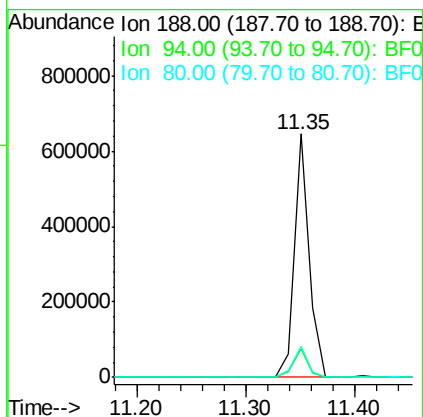
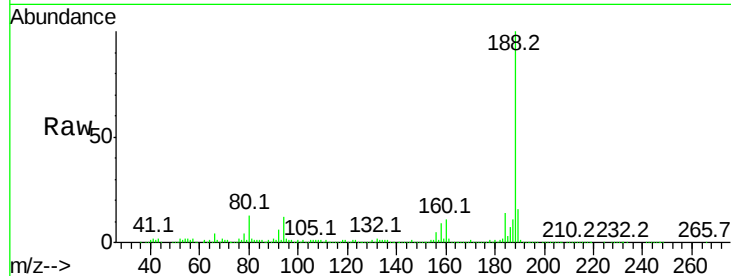
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:188	Resp: 616591
Ion Ratio	Lower Upper
188 100	
94 11.6	9.4 14.2
80 12.7	10.2 15.2

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 10.95 ng

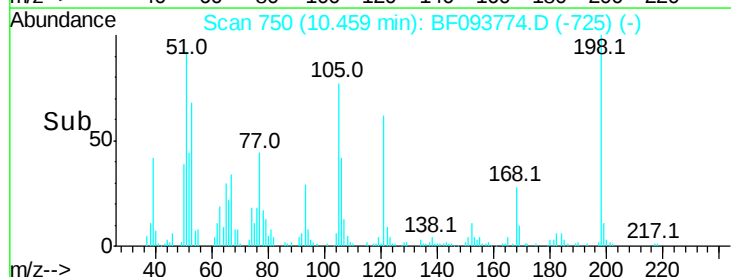
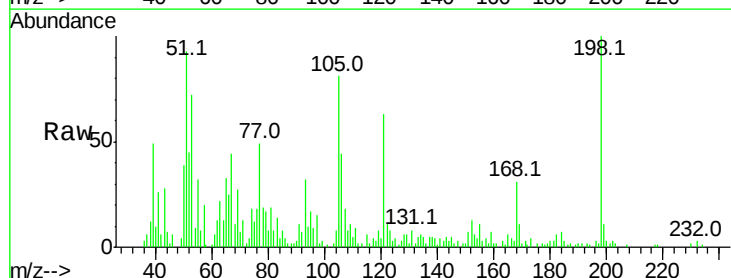
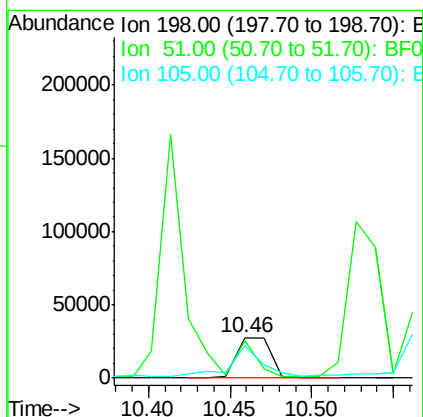
RT: 10.46 min Scan# 750

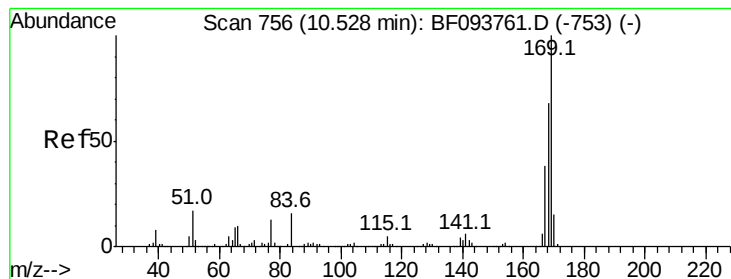
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:198	Resp: 39117
Ion Ratio	Lower Upper
198 100	
51 93.5	53.2 93.2#
105 81.3	45.8 85.8





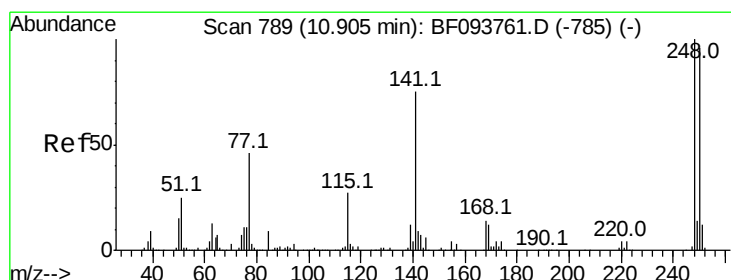
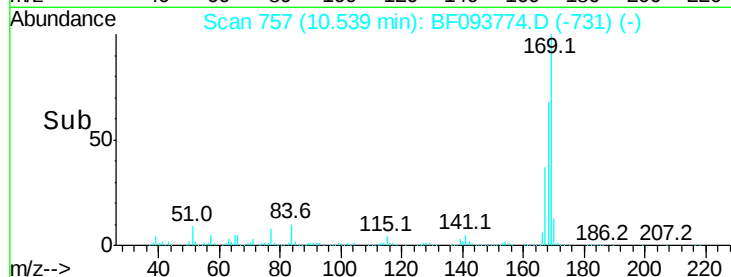
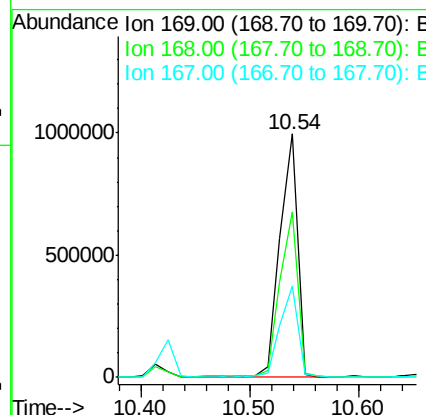
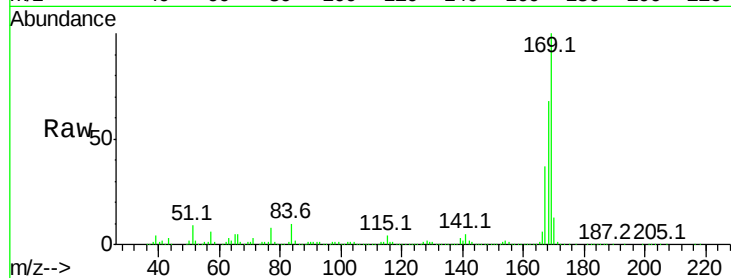
#65
n-Nitrosodiphenylamine
Concen: 54.75 ng
RT: 10.54 min Scan# 757
Delta R.T. -0.00 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.2	79.8
167	37.3	29.5	44.3

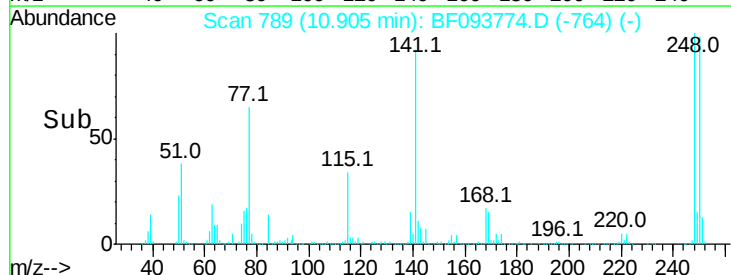
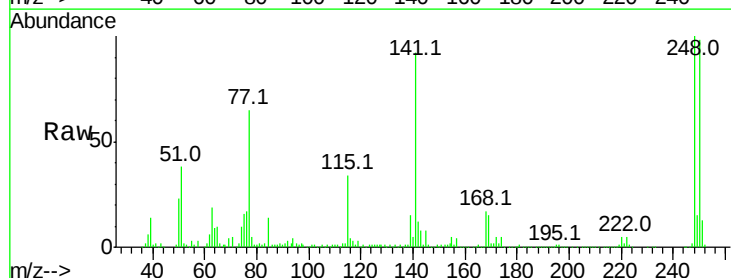
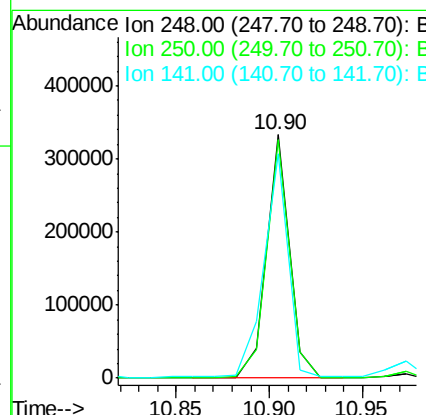
Manual Integrations
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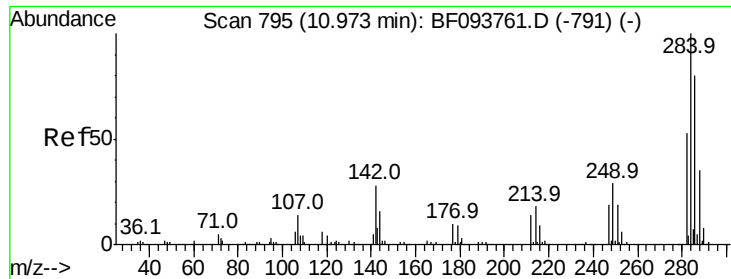
mohammad
3/21/2017 2:45:27 PM



#66
4-Bromophenyl-phenylether
Concen: 47.48 ng
RT: 10.90 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.8	115.2
141	92.2	68.6	103.0





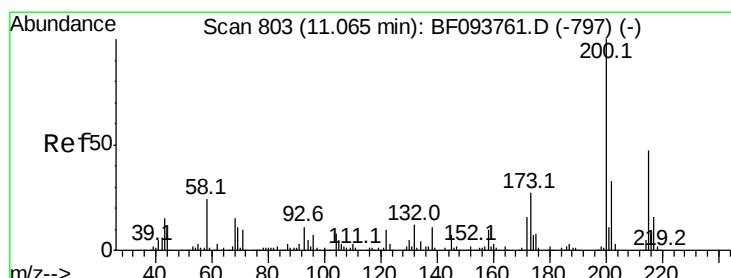
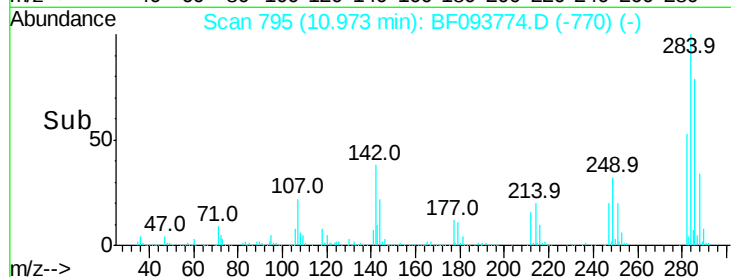
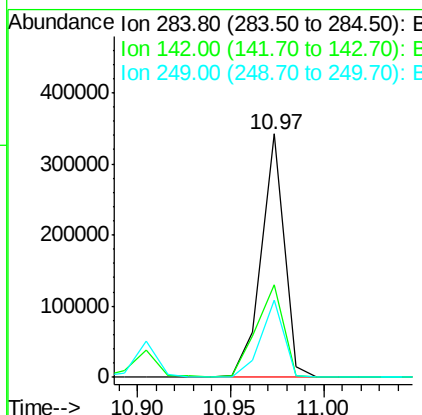
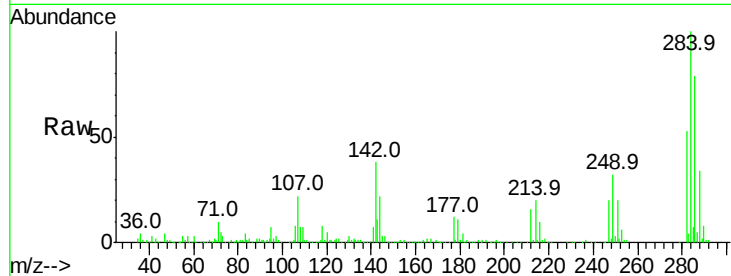
#67
Hexachlorobenzene
Concen: 47.28 ng
RT: 10.97 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	289395		
142	37.9	22.8	34.2#	
249	31.6	24.0	36.0	

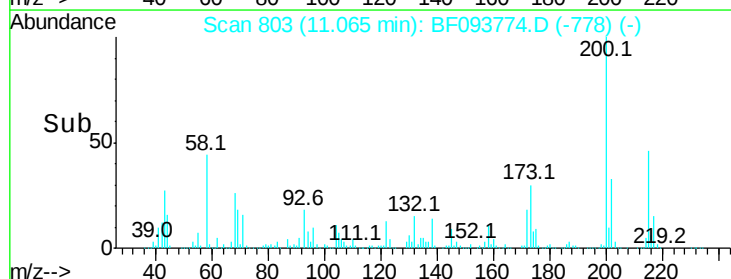
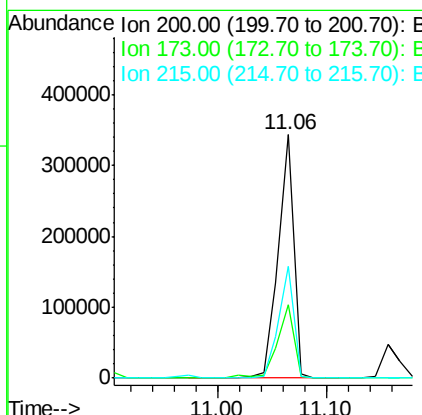
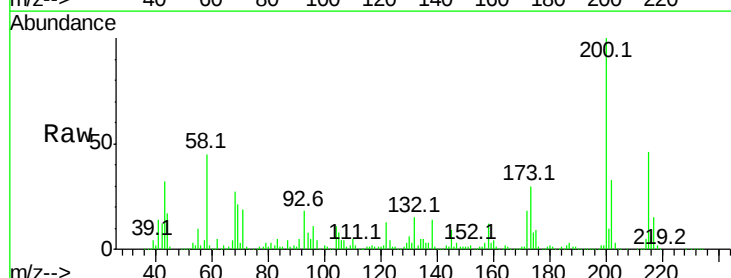
Manual Integrations
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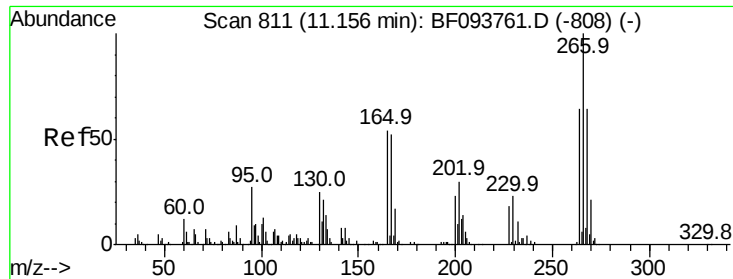
mohammad
3/21/2017 2:45:27 PM



#68
Atrazine
Concen: 53.92 ng
RT: 11.06 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	340210		
173	30.3	6.3	46.3	
215	45.7	27.2	67.2	





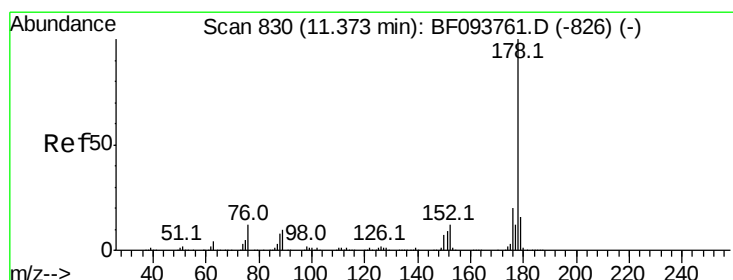
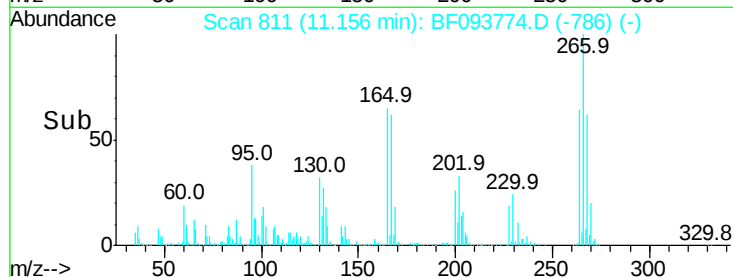
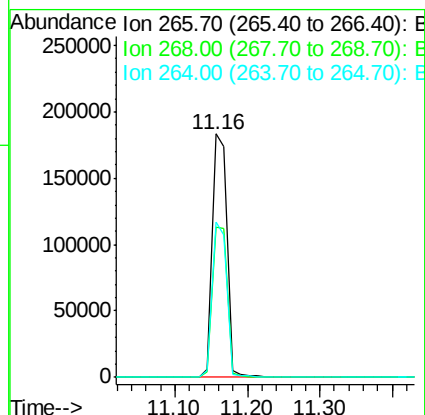
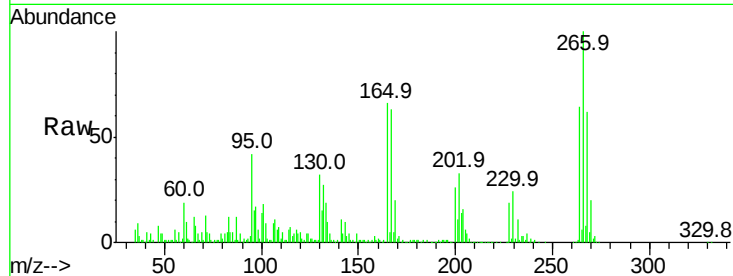
#69
 Pentachlorophenol
 Concen: 72.20 ng
 RT: 11.16 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	258403		
268	61.6		51.1	76.7
264	63.7		51.7	77.5

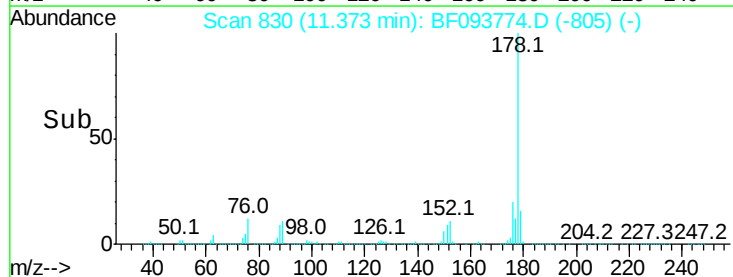
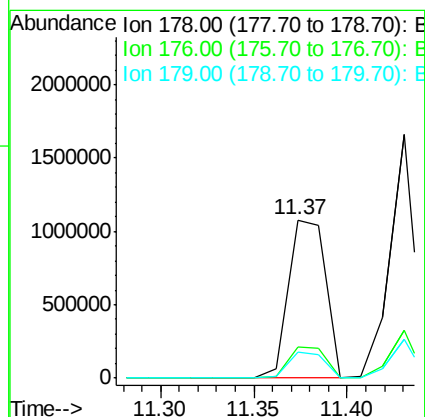
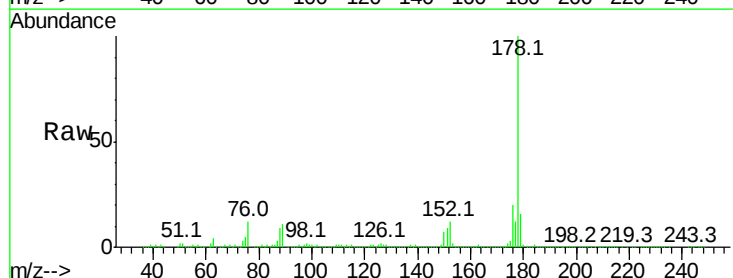
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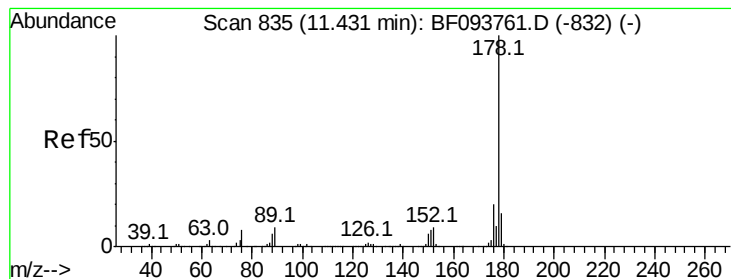
mohammad
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#70
 Phenanthrene
 Concen: 45.52 ng
 RT: 11.37 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1494680		
176	20.0		16.2	24.4
179	16.4		12.6	19.0





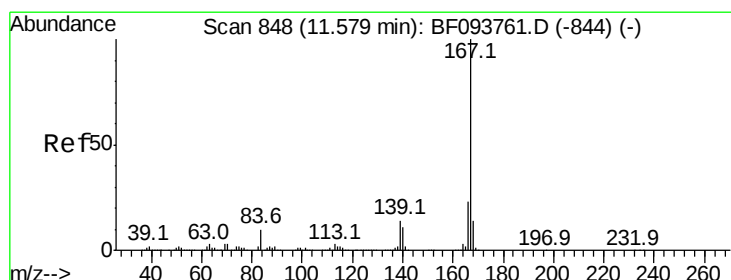
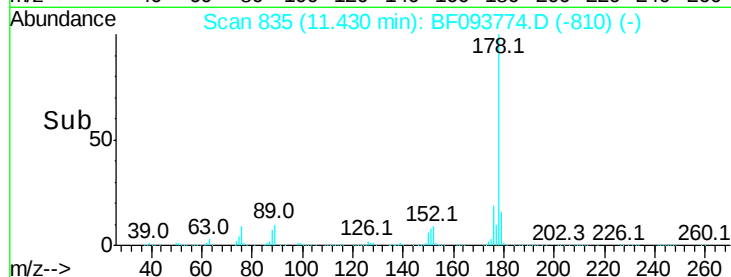
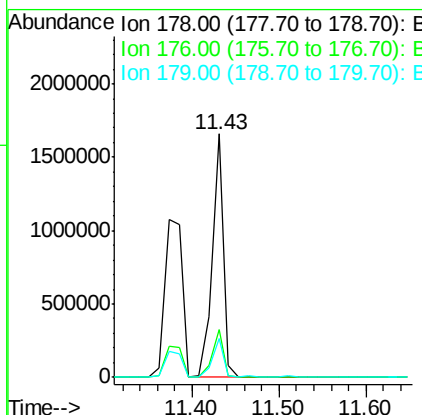
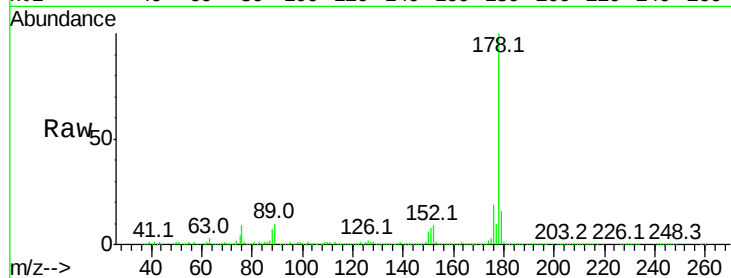
#71
 Anthracene
 Concen: 44.14 ng
 RT: 11.43 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.0	12.7	19.1

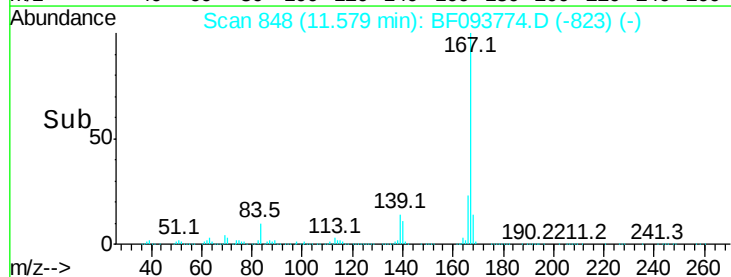
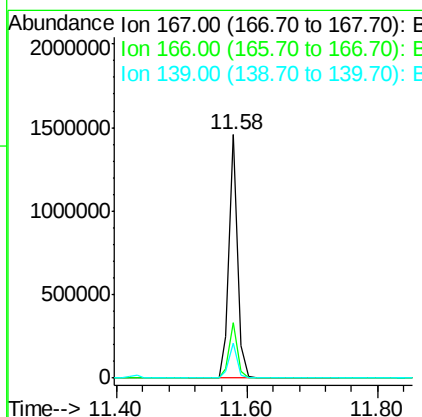
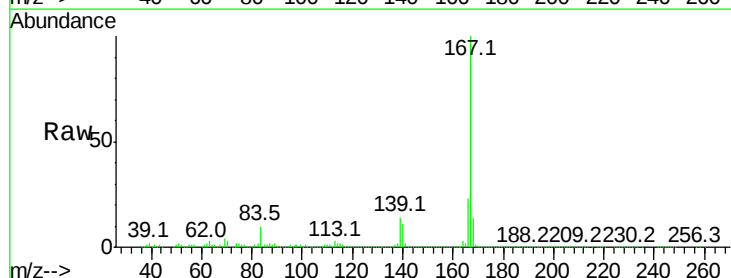
Manual Integrations
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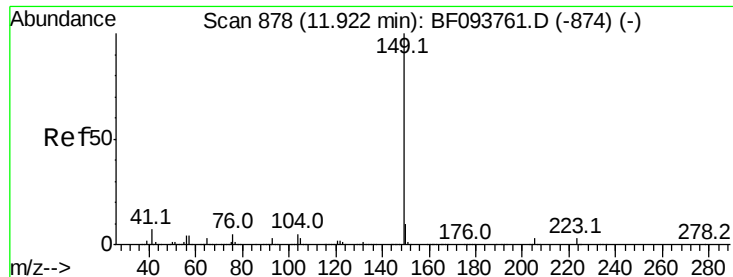
mohammad
 3/21/2017 2:45:27 PM



#72
 Carbazole
 Concen: 39.53 ng
 RT: 11.58 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	14.4	11.7	17.5





#73

Di-n-butylphthalate

Concen: 47.59 ng

RT: 11.92 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:149 Resp: 1714532

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

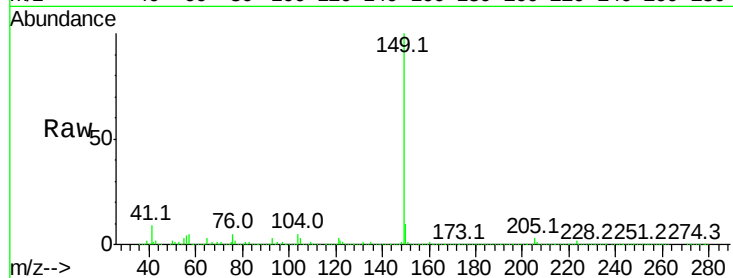
104 5.0 4.0 6.0

Manual Integrations

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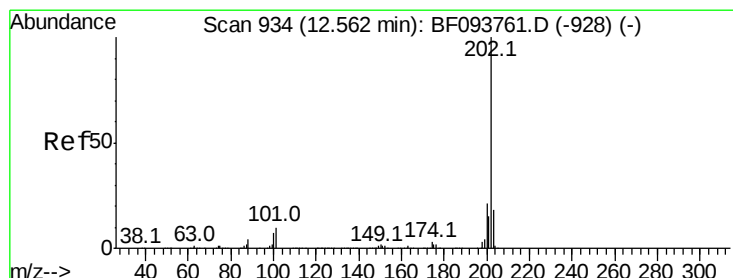
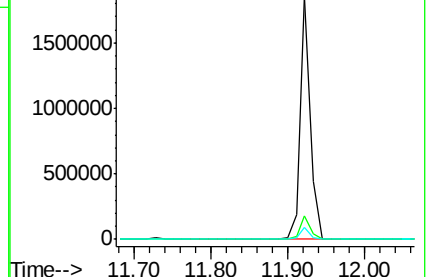
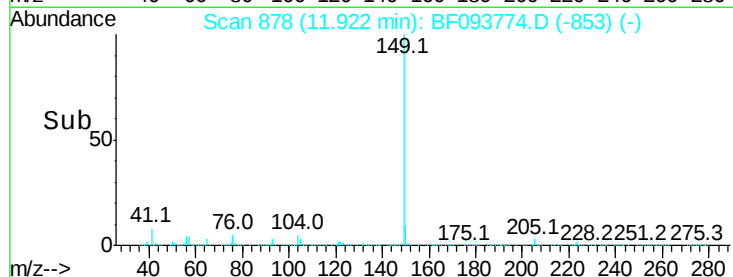
3/21/2017 2:45:27 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 39.08 ng

RT: 12.56 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

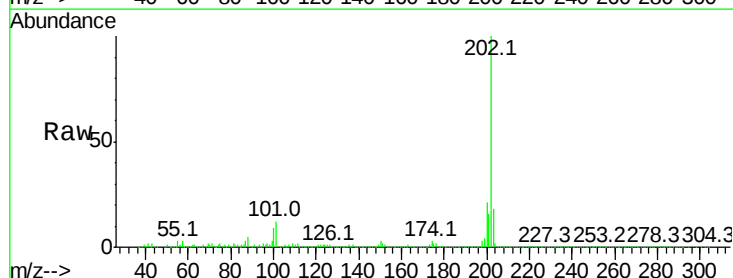
Tgt Ion:202 Resp: 1318935

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.2

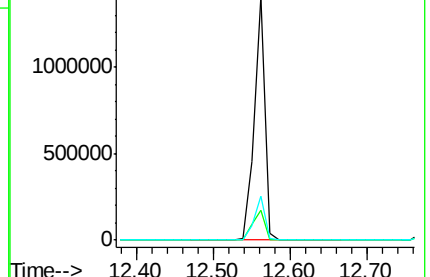
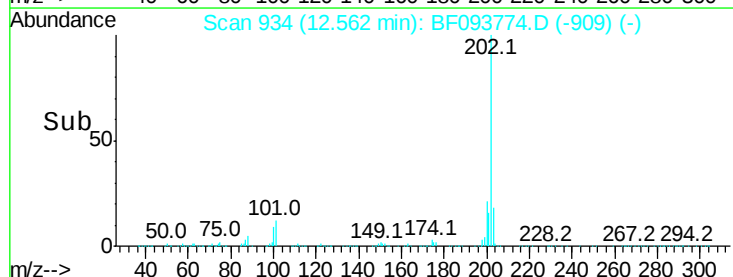
203 17.9 0.0 38.1

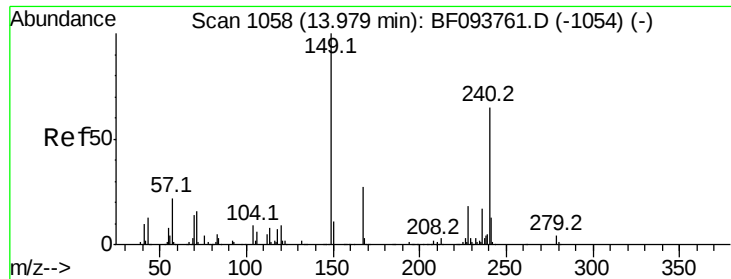


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

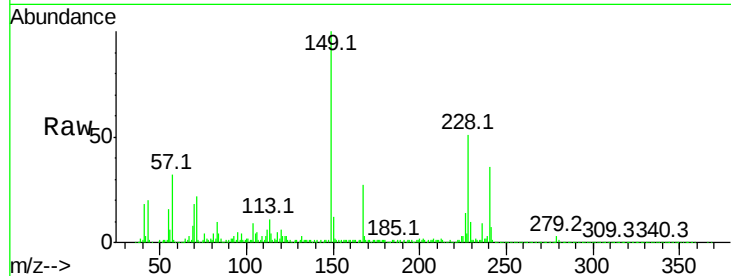
ClientSampleId :

SPA-B6(0-5)MSD

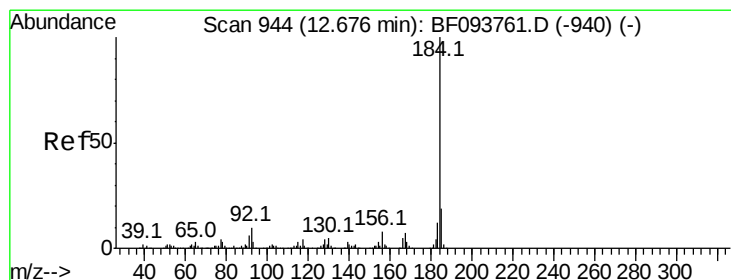
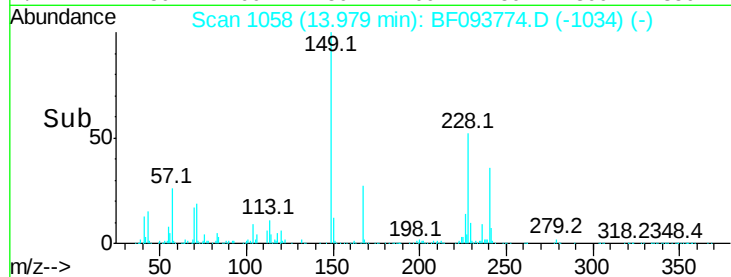
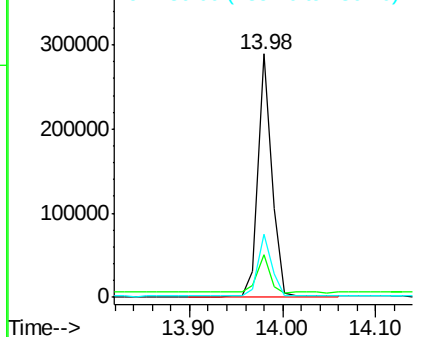
Tot Ion:	240	Resp:	296277
Ion Ratio	Lower	Upper	
240	100		
120	17.6	5.8	8.8#
236	26.0	20.5	30.7

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.11 ng

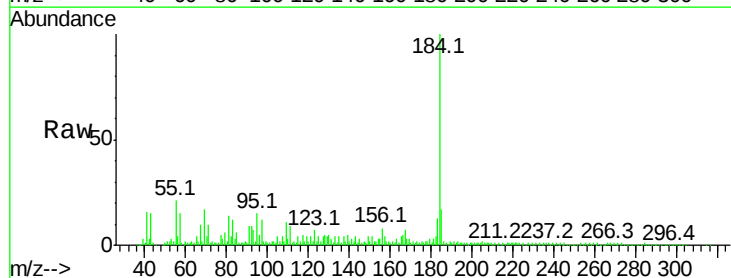
RT: 12.68 min Scan# 944

Delta R.T. -0.01 min

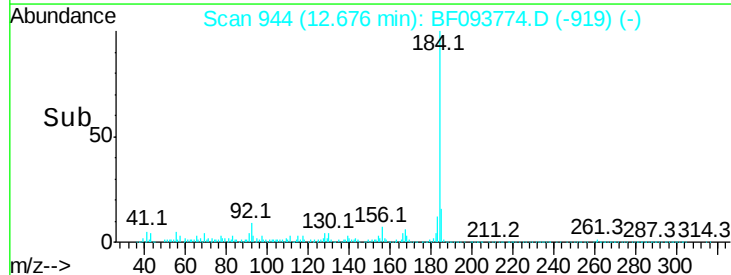
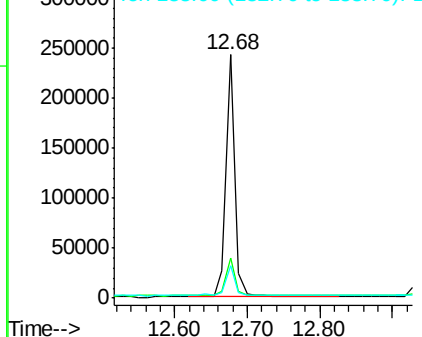
Lab File: BF093774.D

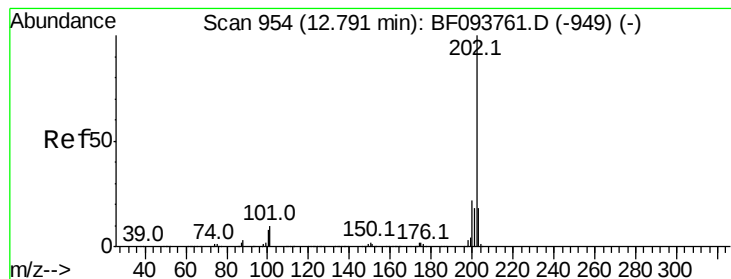
Acq: 20 Mar 2017 19:52

Tgt Ion:	184	Resp:	209430
Ion Ratio	Lower	Upper	
184	100		
185	16.7	15.5	23.3
183	13.3	9.8	14.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 53.29 ng

RT: 12.79 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

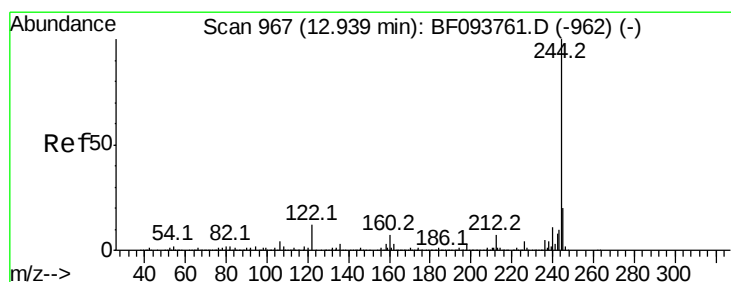
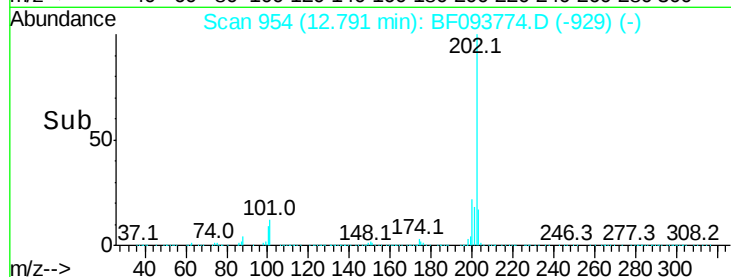
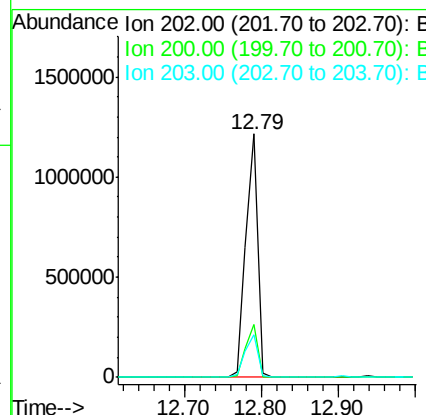
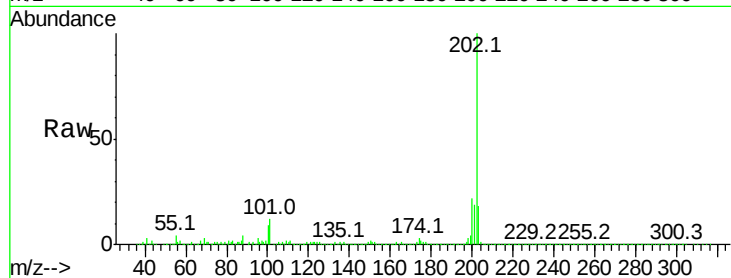
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:	202	Resp:	1313861
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	17.6	14.4	21.6

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#78

Terphenyl-d14

Concen: 90.65 ng

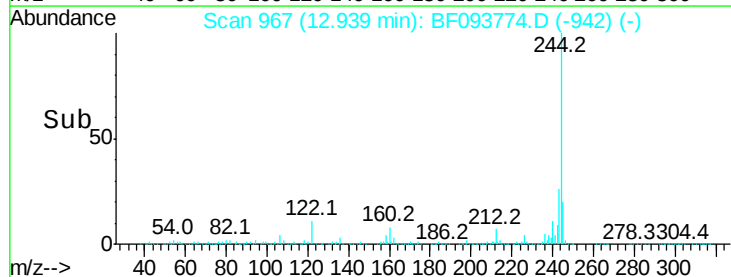
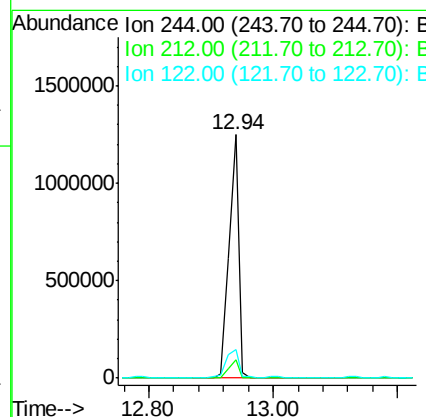
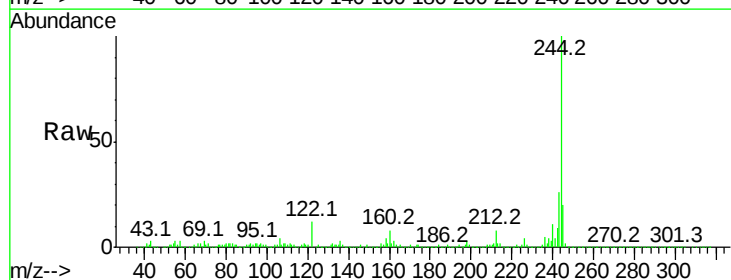
RT: 12.94 min Scan# 967

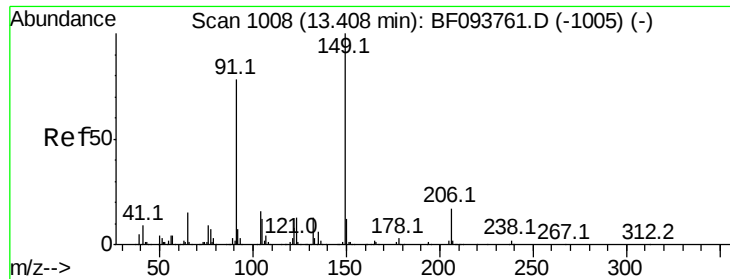
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:	244	Resp:	1317247
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	11.7	10.3	15.5





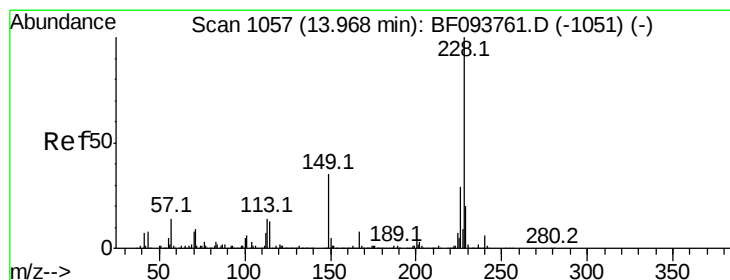
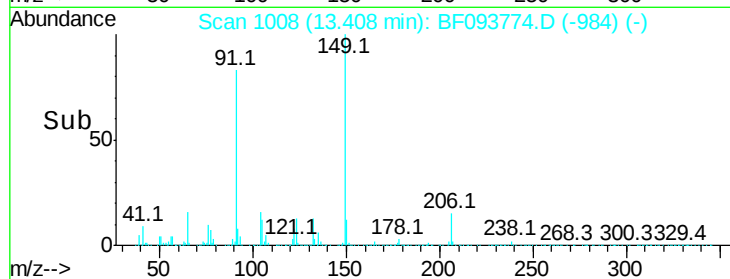
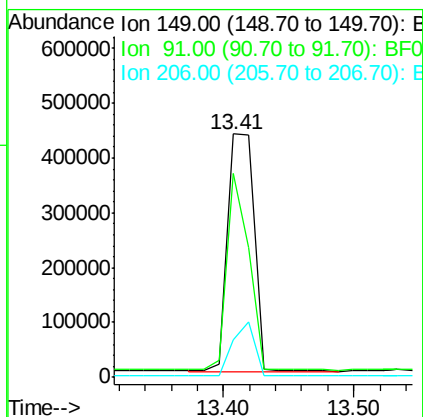
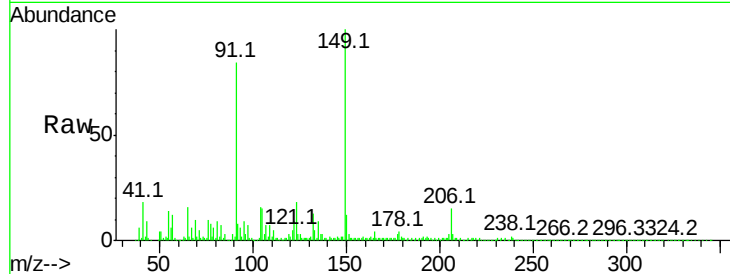
#79
Butylbenzylphthalate
Concen: 55.43 ng
RT: 13.41 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	83.7	45.0	67.4#
206	15.4	17.0	25.6#

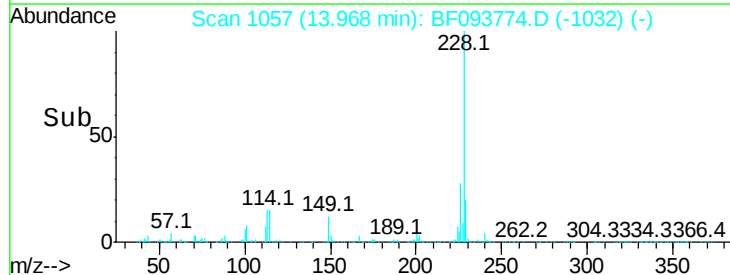
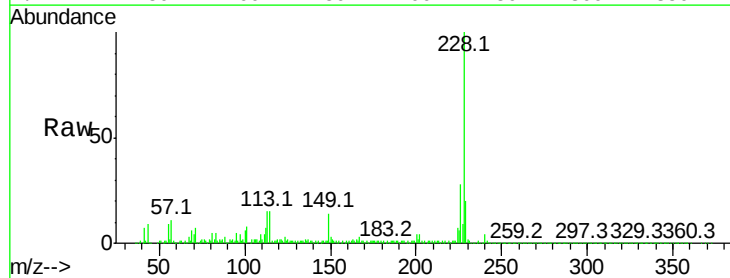
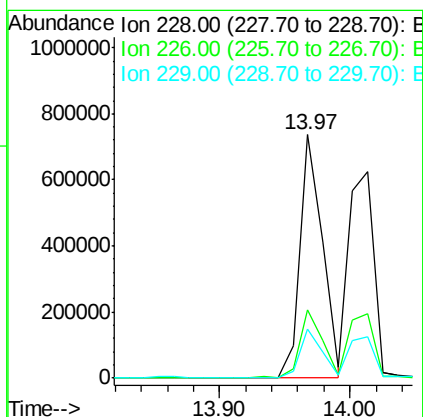
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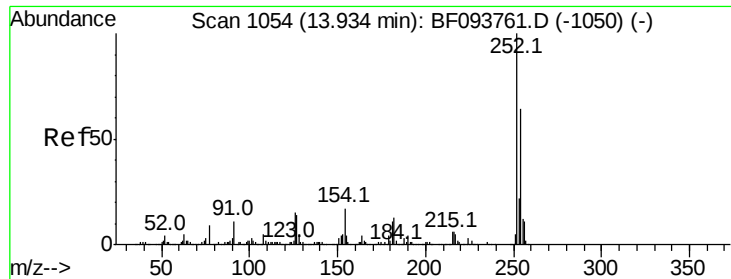
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#80
Benzo(a)anthracene
Concen: 47.13 ng
RT: 13.97 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.0	16.3	24.5





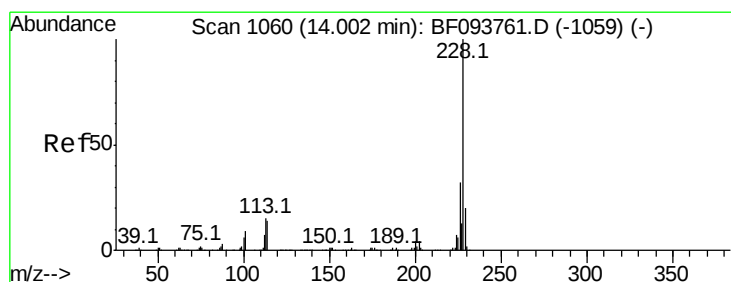
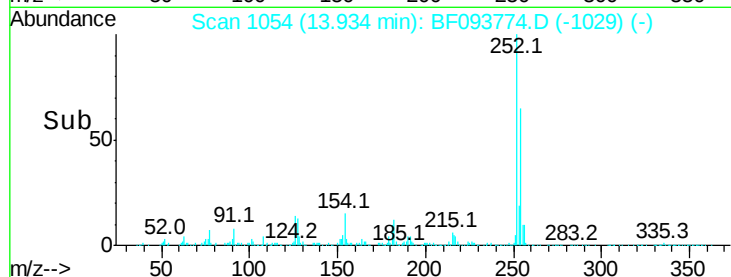
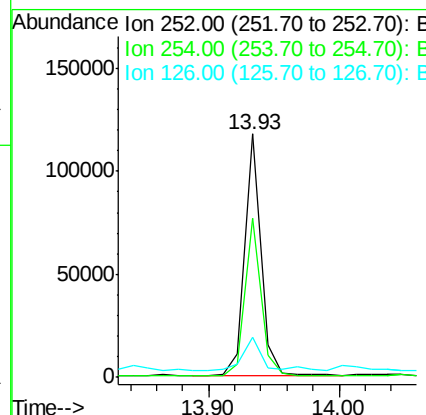
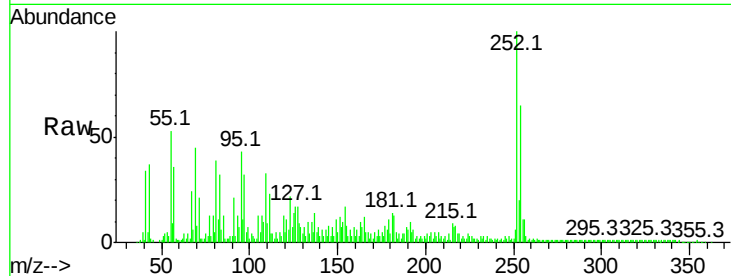
#81
 3,3'-Dichlorobenzidine
 Concen: 14.21 ng
 RT: 13.93 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Instrument :
 BNA_F
 ClientSampleId :
 SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.5	77.3
126	16.6	15.8	23.8

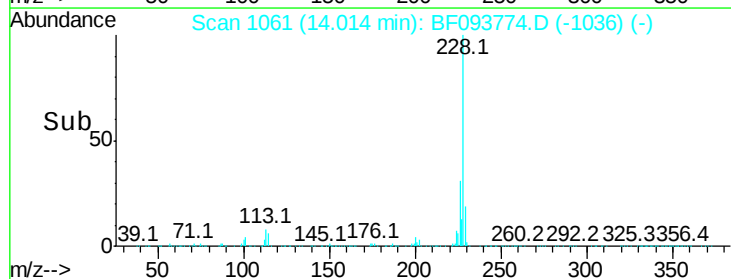
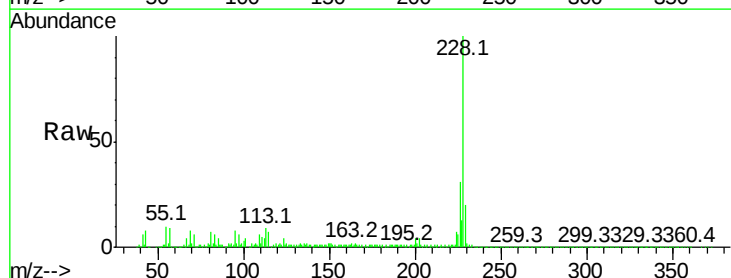
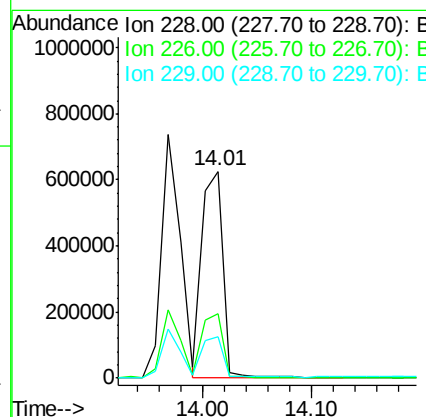
Manual Integrations
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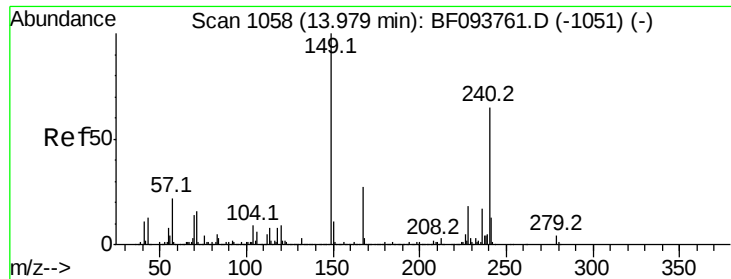
mohammad
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#82
 Chrysene
 Concen: 44.97 ng
 RT: 14.01 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF093774.D
 Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	19.9	15.8	23.6





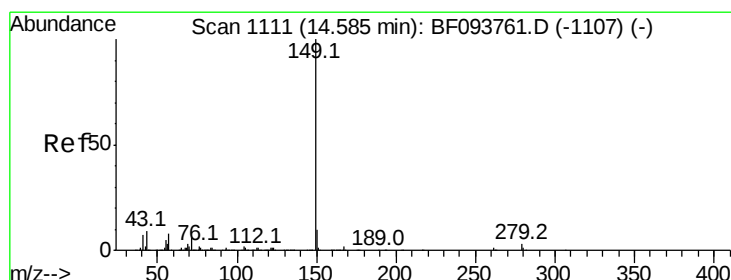
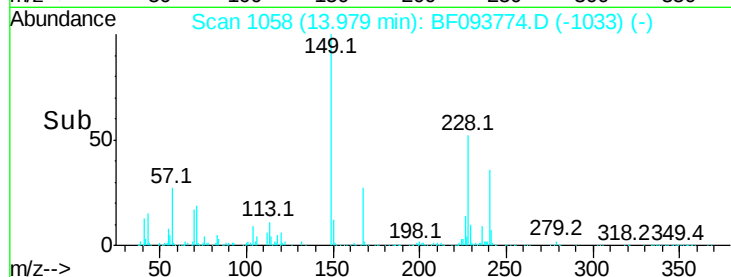
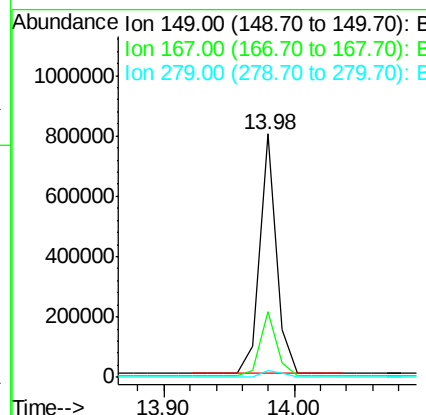
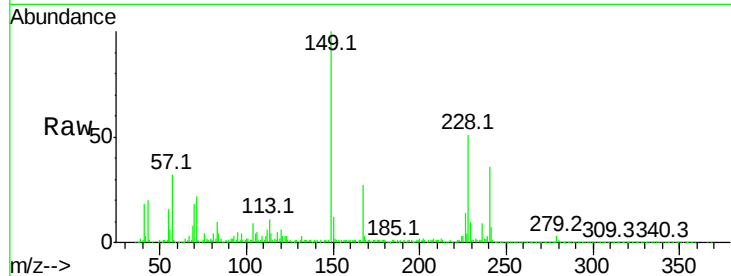
#83
Bis(2-ethylhexyl)phthalate
Concen: 53.77 ng
RT: 13.98 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.0	31.4
279	2.6	1.9	2.9

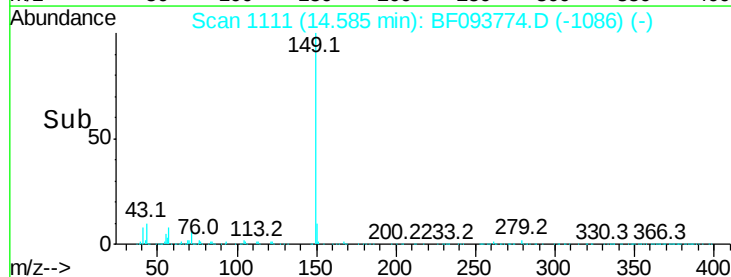
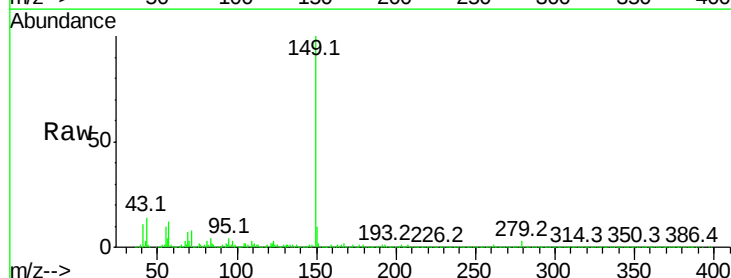
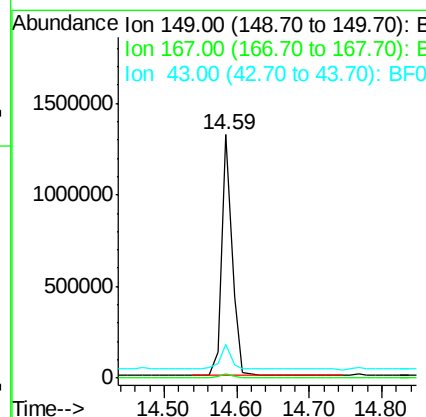
Manual Integrations
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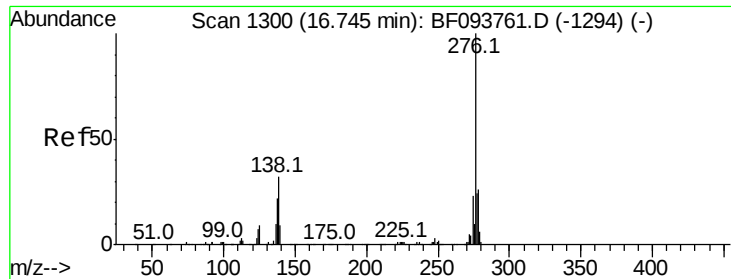
mohammad
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#84
Di-n-octyl phthalate
Concen: 54.33 ng
RT: 14.59 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.8	8.5	12.7





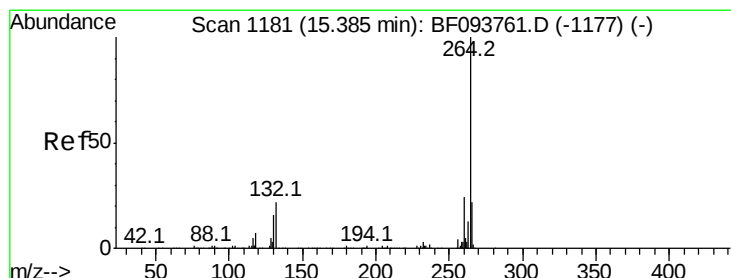
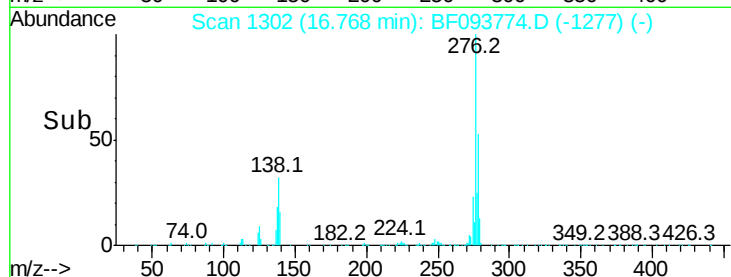
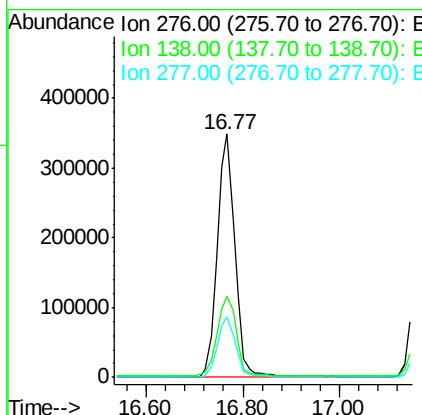
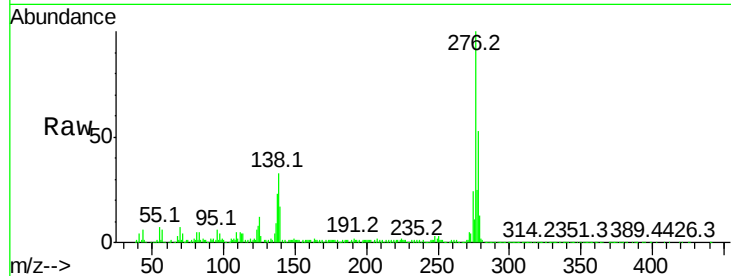
#85
Indeno(1,2,3-cd)pyrene
Concen: 58.59 ng
RT: 16.77 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.1	27.8	41.6
277	25.2	20.2	30.4

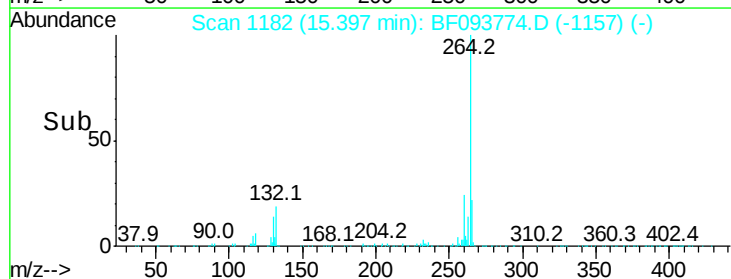
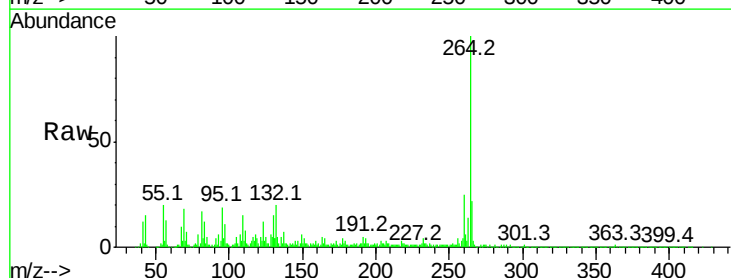
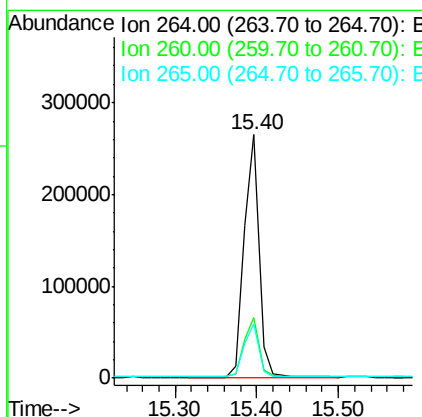
Manual Integrations
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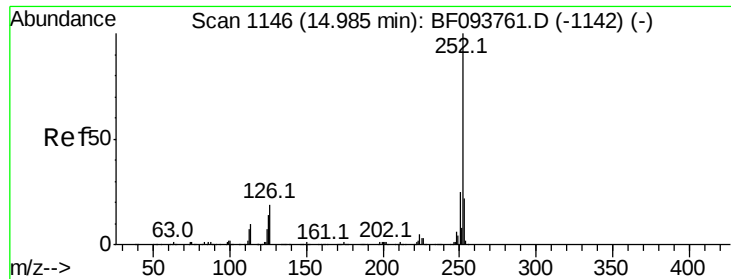
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 41.46 ng m

RT: 15.00 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

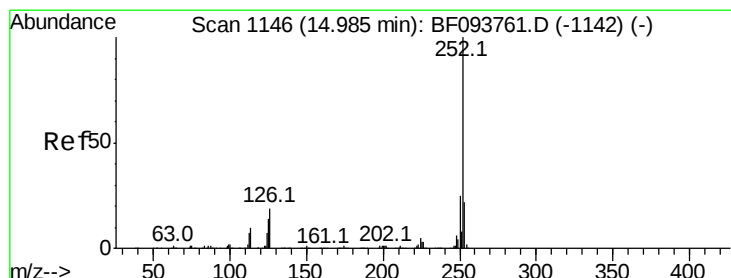
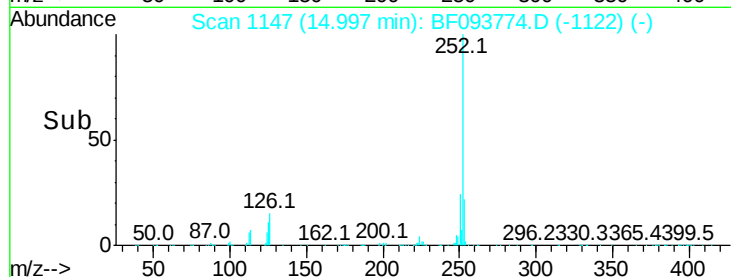
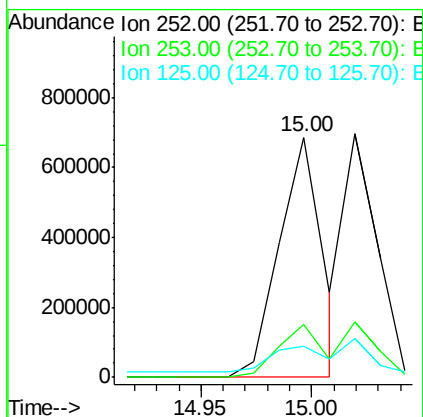
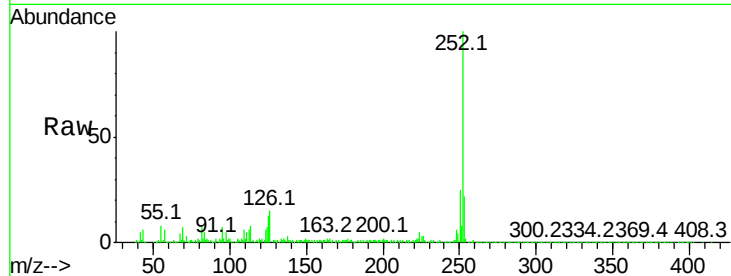
ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion:252	Resp:	935552
Ion Ratio	Lower	Upper
252 100		
253 21.9	18.1	27.1
125 13.1	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 44.38 ng m

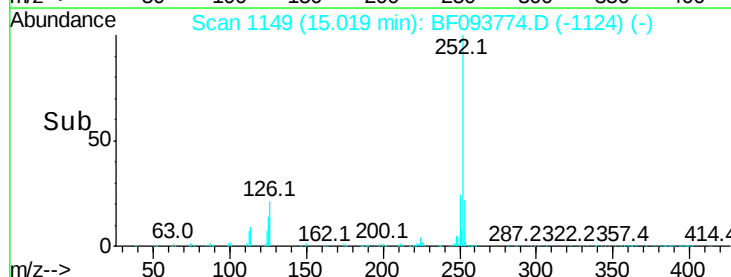
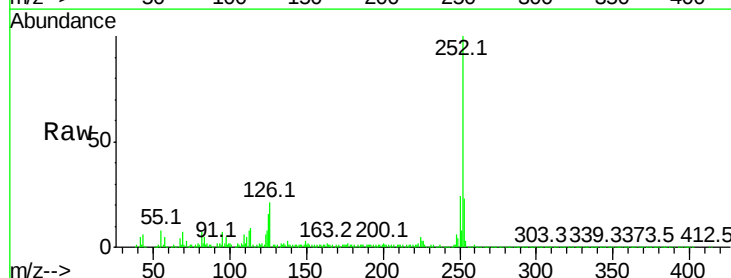
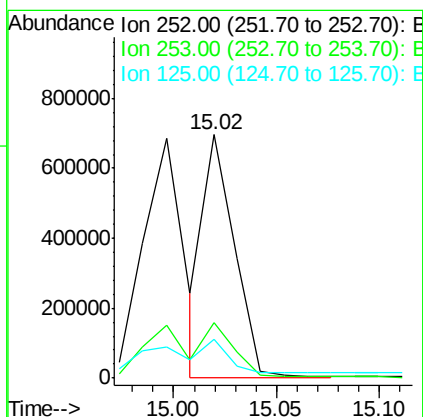
RT: 15.02 min Scan# 1149

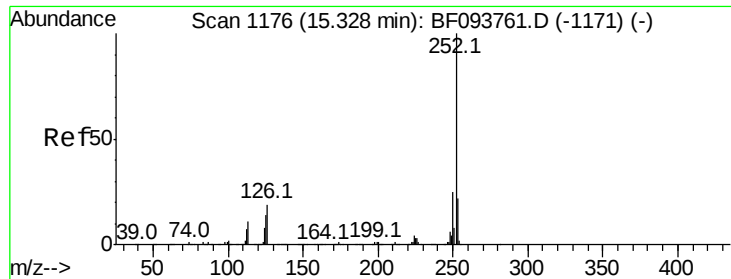
Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Tgt Ion:252	Resp:	739520
Ion Ratio	Lower	Upper
252 100		
253 22.8	18.4	27.6
125 16.2	13.1	19.7





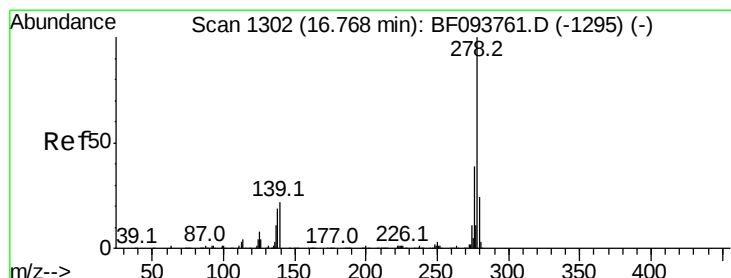
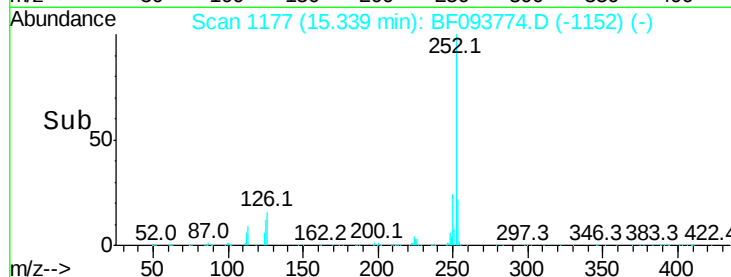
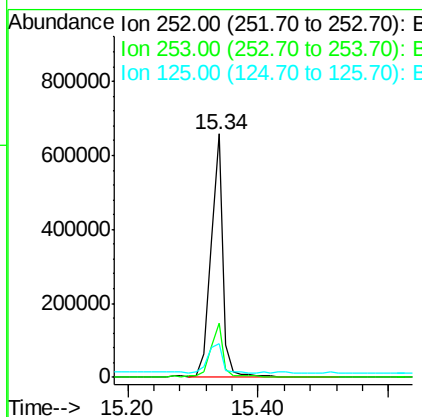
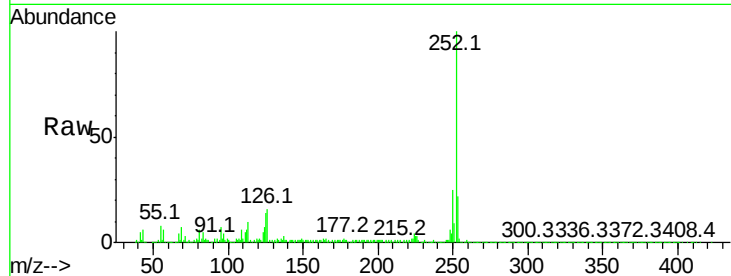
#89
Benzo(a)pyrene
Concen: 45.64 ng
RT: 15.34 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Instrument :
BNA_F
ClientSampleId :
SPA-B6(0-5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	835018		
253	22.3		17.5	26.3
125	14.0		11.0	16.4

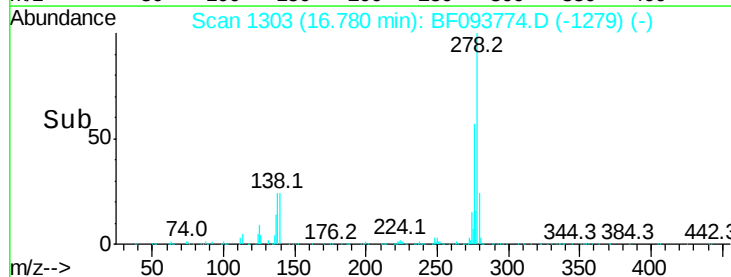
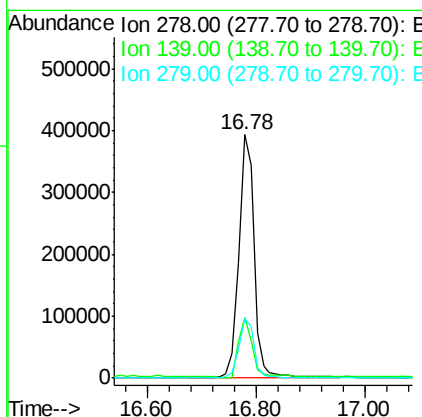
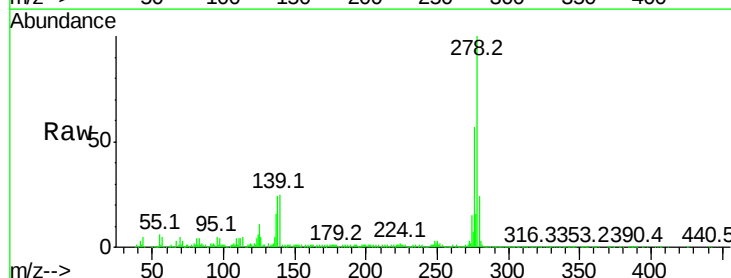
Manual Integrations
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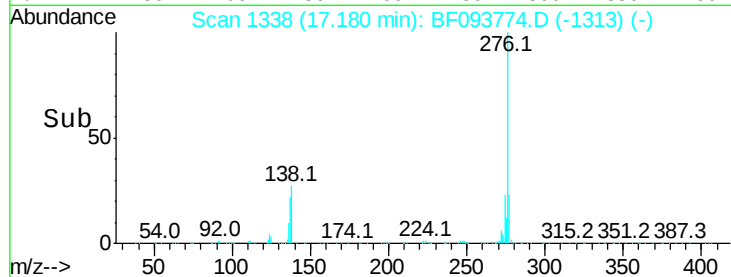
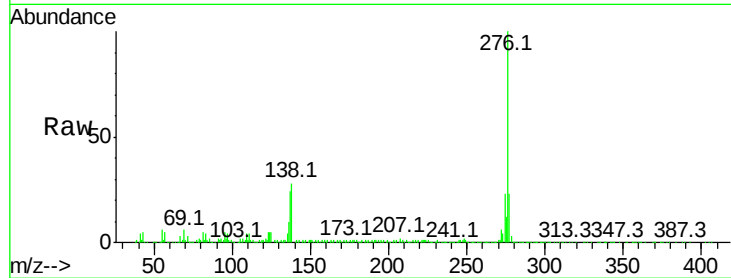
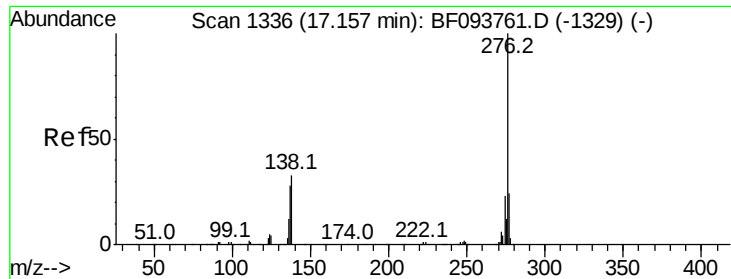
mohammad
3/21/2017 2:45:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 49.73 ng
RT: 16.78 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF093774.D
Acq: 20 Mar 2017 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	755501		
139	25.0		16.6	24.8#
279	24.2		19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 47.85 ng

RT: 17.18 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF093774.D

Acq: 20 Mar 2017 19:52

Instrument :

BNA_F

ClientSampleId :

SPA-B6(0-5)MSD

Tot Ion: 276 Resp: 721494

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 27.6 25.4 38.0

Manual Integrations

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