

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093111.D
 Acq On : 23 Feb 2017 18:25
 Operator : SJ/MA
 Sample : I1952-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Manual Integrations
 APPROVED

mohammad
 2/24/2017 2:11:10 PM

Quant Time: Feb 24 00:11:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	160581	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	647579	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	305954	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	541395	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	407292	20.00	ng	-0.02
86) Perylene-d12	15.43	264	321220	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1399838	149.56	ng	0.00
7) Phenol-d6	6.49	99	1672150	138.85	ng	0.00
23) Nitrobenzene-d5	7.41	82	1071293	92.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	323233	146.07	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1831211	108.43	ng	-0.01
78) Terphenyl-d14	12.95	244	1444860	83.35	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	210980	41.72	ng	# 85
3) Pyridine	3.18	79	507501	39.46	ng	85
4) n-Nitrosodimethylamine	3.15	42	295802	48.99	ng	86
6) Aniline	6.51	93	521741	31.76	ng	# 52
8) 2-Chlorophenol	6.62	128	487449	47.21	ng	90
9) Benzaldehyde	6.38	77	237491	27.53	ng	96
10) Phenol	6.50	94	628745	44.62	ng	95
11) bis(2-Chloroethyl)ether	6.58	93	498371	44.31	ng	91
12) 1,3-Dichlorobenzene	6.78	146	566390	46.83	ng	99
13) 1,4-Dichlorobenzene	6.85	146	568464	46.44	ng	98
14) 1,2-Dichlorobenzene	7.01	146	543429	46.43	ng	97
15) Benzyl Alcohol	6.99	79	393983	44.19	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	891444	45.62	ng	96
17) 2-Methylphenol	7.12	107	435603	49.17	ng	98
18) Hexachloroethane	7.36	117	198827	47.58	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	338081	44.10	ng	95
20) 3+4-Methylphenols	7.26	107	476684	45.01	ng	93
22) Acetophenone	7.26	105	681347	46.08	ng	# 91
24) Nitrobenzene	7.44	77	616668	51.64	ng	92
25) Isophorone	7.68	82	1037795	47.89	ng	100
26) 2-Nitrophenol	7.74	139	270004	47.57	ng	94
27) 2,4-Dimethylphenol	7.79	122	448942	45.04	ng	97
28) bis(2-Chloroethoxy)methane	7.88	93	637970	44.45	ng	99
29) 2,4-Dichlorophenol	8.00	162	452366	48.66	ng	96
30) 1,2,4-Trichlorobenzene	8.08	180	458494	45.76	ng	98
31) Naphthalene	8.16	128	1436916	43.77	ng	98
32) Benzoic acid	7.93	122	2132m	7.49	ng	
33) 4-Chloroaniline	8.20	127	290459	22.56	ng	99
34) Hexachlorobutadiene	8.27	225	243432	44.16	ng	98
35) Caprolactam	8.58	113	130143m	44.50	ng	
36) 4-Chloro-3-methylphenol	8.69	107	439137	45.30	ng	99
37) 2-Methylnaphthalene	8.84	142	980998	46.54	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	426759	49.69	ng	99
40) Hexachlorocyclopentadiene	8.99	237	351114	90.61	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	310888	55.09	nq	95
43) 2,4,5-Trichlorophenol	9.17	196	286831	46.39	nq #	82
45) 1,1'-Biphenyl	9.31	154	1169505	52.79	nq	99
46) 2-Chloronaphthalene	9.33	162	948209	54.71	nq	97
47) 2-Nitroaniline	9.44	65	310918	53.36	nq #	71
48) Acenaphthylene	9.74	152	1414239	47.24	nq	99
49) Dimethylphthalate	9.61	163	1227114	59.55	nq	99
50) 2,6-Dinitrotoluene	9.68	165	248861	55.92	nq	95
51) Acenaphthene	9.92	154	845011	47.21	nq	97
52) 3-Nitroaniline	9.85	138	185822	36.48	nq #	75
53) 2,4-Dinitrophenol	9.95	184	117297	53.48	nq #	53
54) Dibenzofuran	10.09	168	1160803	48.48	nq	97
55) 4-Nitrophenol	10.02	139	322945	88.04	nq	93
56) 2,4-Dinitrotoluene	10.08	165	267576	45.16	nq #	89
57) Fluorene	10.43	166	928812	50.43	nq	97
58) 2,3,4,6-Tetrachlorophenol	10.21	232	223045	54.07	nq	96
59) Diethylphthalate	10.30	149	916155	47.17	nq	99
60) 4-Chlorophenyl-phenylether	10.42	204	398802	45.07	nq	91
61) 4-Nitroaniline	10.46	138	277867	53.27	nq	89
62) Azobenzene	10.58	77	1096116	54.63	nq	97
64) 4,6-Dinitro-2-methylphenol	10.49	198	145063	44.24	nq #	44
65) n-Nitrosodiphenylamine	10.54	169	837632	48.43	nq	100
66) 4-Bromophenyl-phenylether	10.91	248	260020	45.97	nq	93
67) Hexachlorobenzene	10.98	284	267161	47.80	nq	97
68) Atrazine	11.07	200	233641	42.10	nq	99
69) Pentachlorophenol	11.17	266	237080	81.97	nq	98
70) Phenanthrene	11.39	178	1379277	44.47	nq	99
71) Anthracene	11.44	178	1358603	43.62	nq	99
72) Carbazole	11.60	167	1162245	39.03	nq	99
73) Di-n-butylphthalate	11.93	149	1618323	50.26	nq #	97
74) Fluoranthene	12.58	202	1422176	44.45	nq	92
76) Benzidine	12.69	184	430457	24.80	nq	97
77) Pyrene	12.81	202	1431766	46.97	nq	98
79) Butylbenzylphthalate	13.41	149	650118	52.52	nq	96
80) Benzo(a)anthracene	13.99	228	1094048	43.92	nq	100
81) 3,3'-Dichlorobenzidine	13.95	252	278334	31.34	nq	97
82) Chrysene	14.03	228	1104651	47.36	nq	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	824651	48.72	nq	98
84) Di-n-octyl phthalate	14.59	149	1454475	52.77	nq	100
85) Indeno(1,2,3-cd)pyrene	16.82	276	790356	43.75	nq #	94
87) Benzo(b)fluoranthene	15.01	252	1176973m	55.67	nq	
88) Benzo(k)fluoranthene	15.05	252	659585m	36.13	nq	
89) Benzo(a)pyrene	15.37	252	844602	46.18	nq	99
90) Dibenzo(a,h)anthracene	16.83	278	659416	44.61	nq #	95
91) Benzo(g,h,i)perylene	17.24	276	674379	45.16	nq #	91

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

```

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Misc      :
ALS Vial  : 9      Sample Multiplier: 1

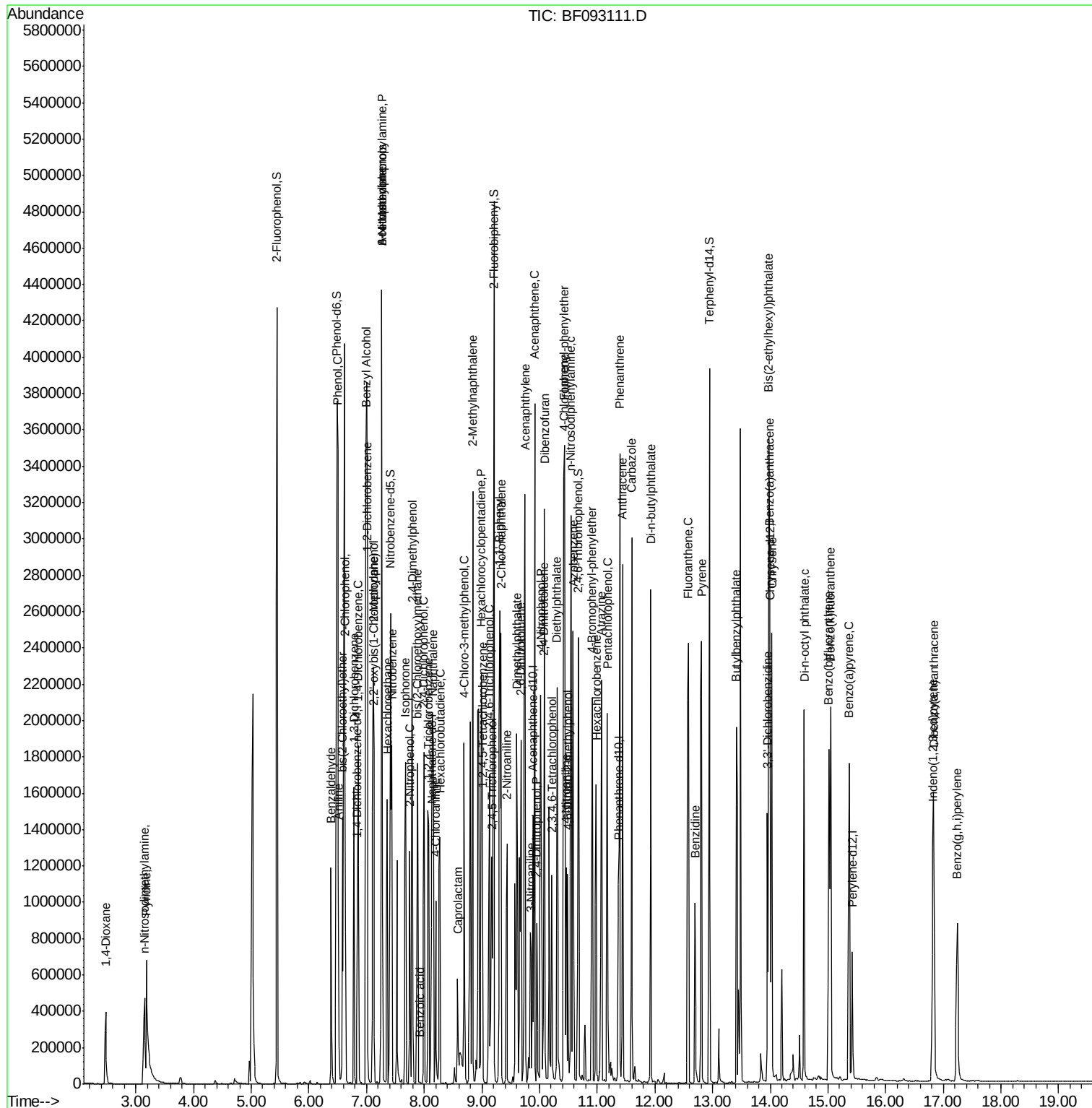
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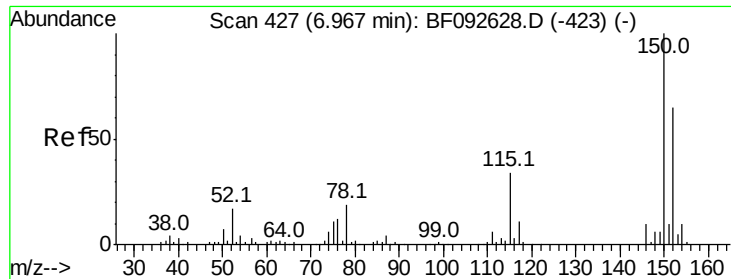
Instrument :
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#1

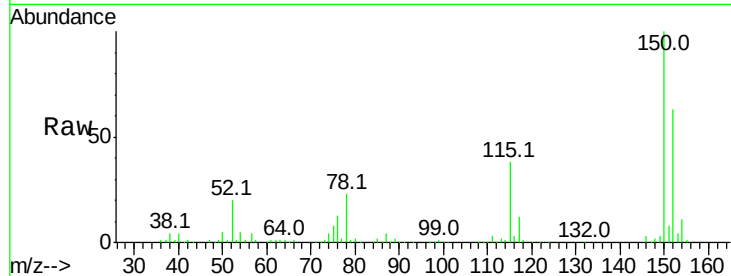
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

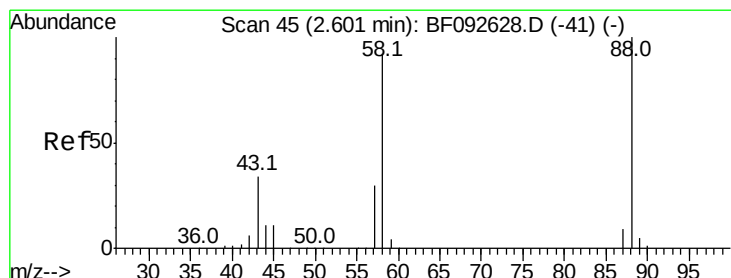
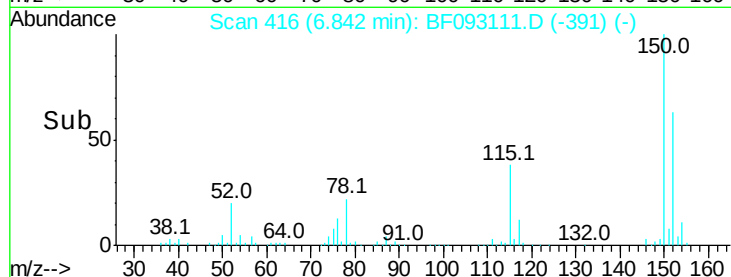
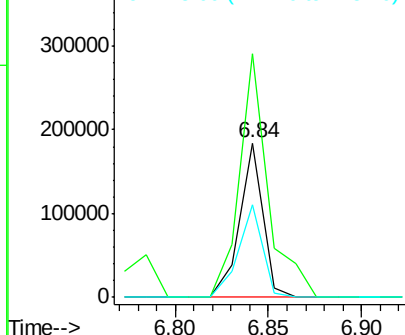
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.9	187.3
115	59.7	46.0	69.0

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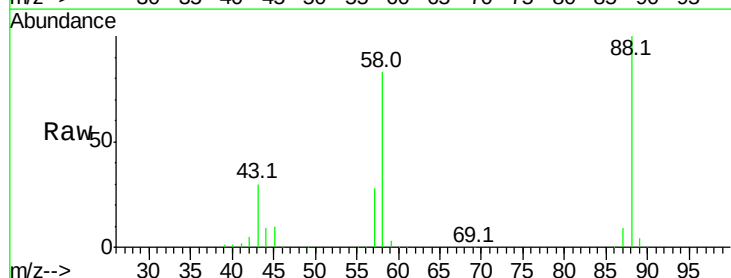
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



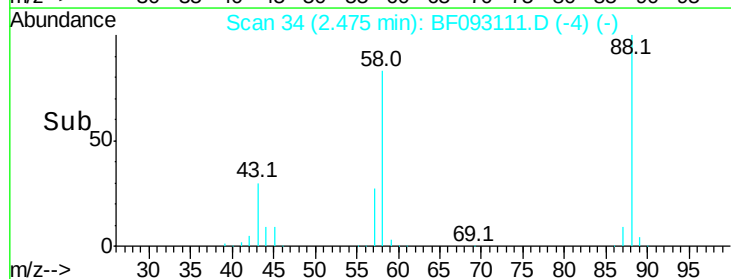
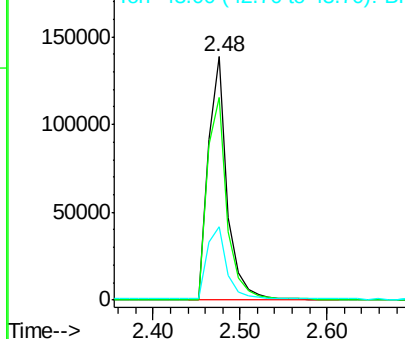
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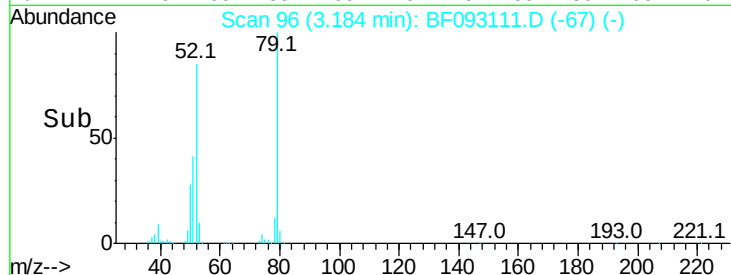
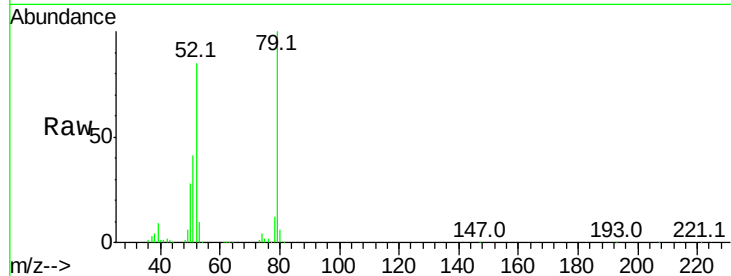
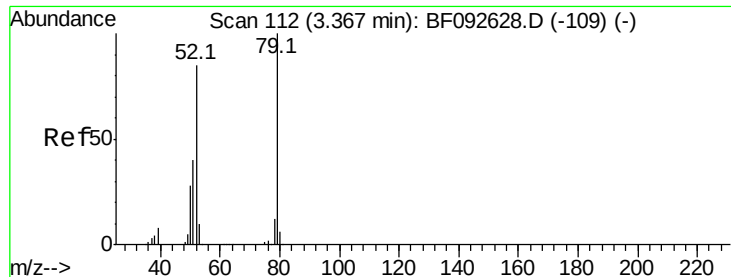
1,4-Dioxane
Concen: 41.72 ng
RT: 2.48 min Scan# 34
Delta R.T. 0.05 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.7	57.8	86.8#
43	31.3	22.3	33.5



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





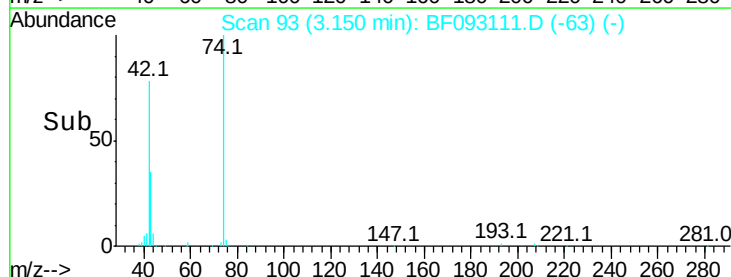
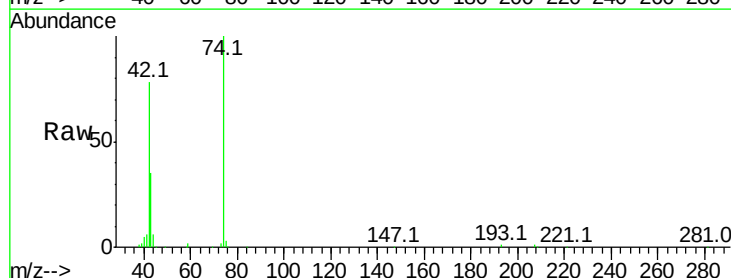
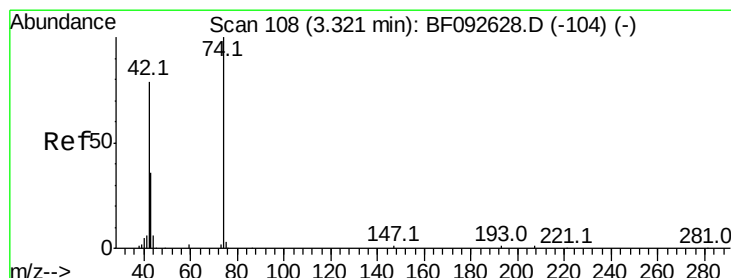
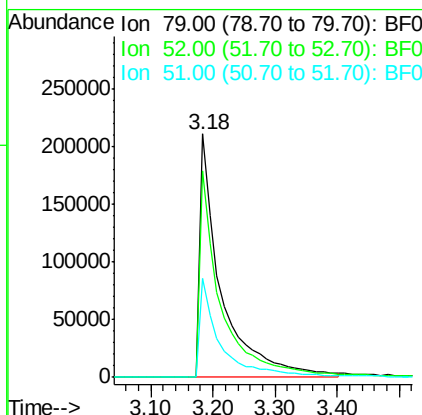
#3
 Pvridine
 Concen: 39.46 ng
 RT: 3.18 min Scan# 96
 Delta R.T. 0.03 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.6	57.1	85.7
51	40.9	27.3	40.9

Instrument :
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 ClientSampleId :
 SPARTA-FINE-SANDMSD

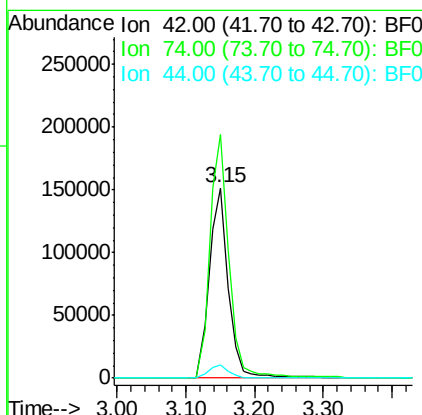
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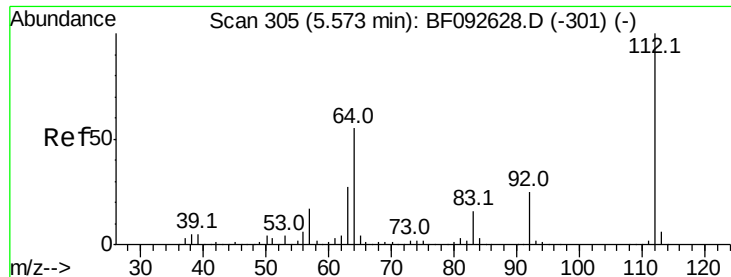
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#4
 n-Nitrosodimethylamine
 Concen: 48.99 ng
 RT: 3.15 min Scan# 93
 Delta R.T. 0.05 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
42	100		
74	128.1	117.0	175.4
44	7.2	5.5	8.3





#5

2-Fluorophenol

Concen: 149.56 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.00 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:112 Resp: 1399838

Ion Ratio Lower Upper

112 100

64 62.0 46.1 69.1

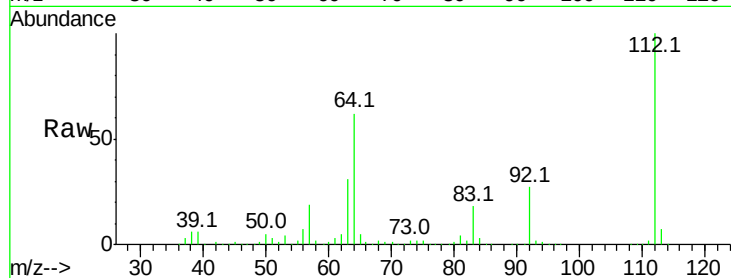
63 30.8 23.8 35.6

Manual Integrations

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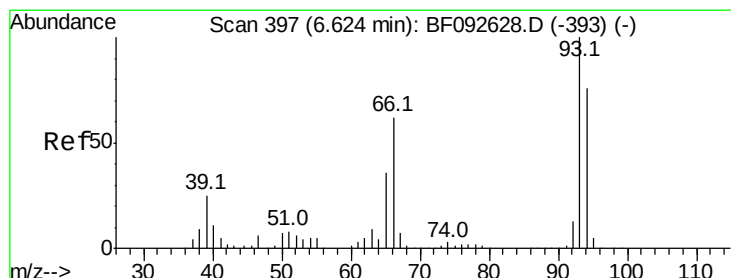
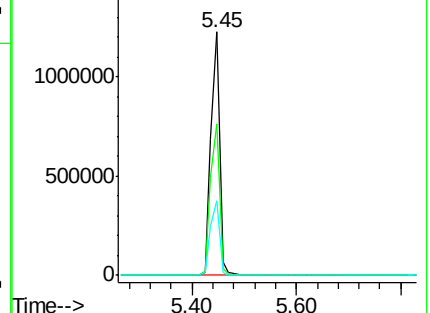
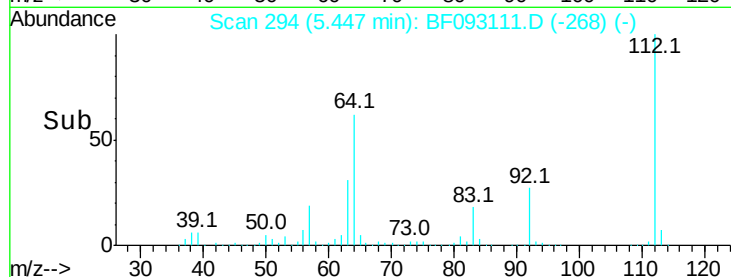
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 31.76 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

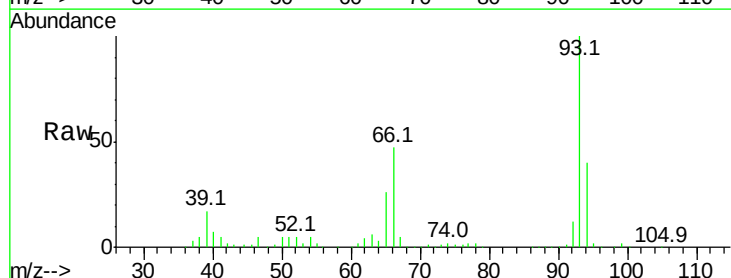
Tgt Ion: 93 Resp: 521741

Ion Ratio Lower Upper

93 100

66 47.4 76.2 114.2#

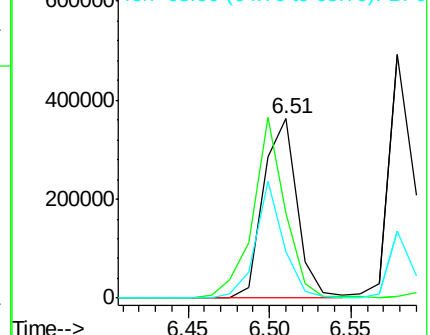
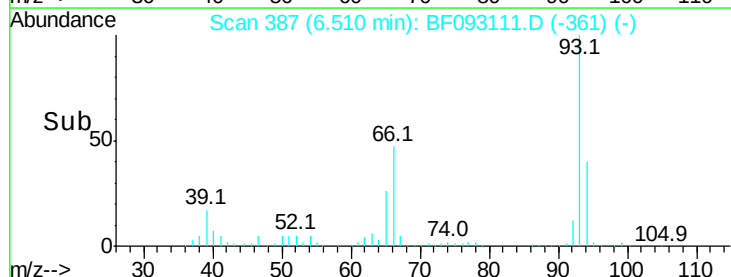
65 25.7 49.3 73.9#

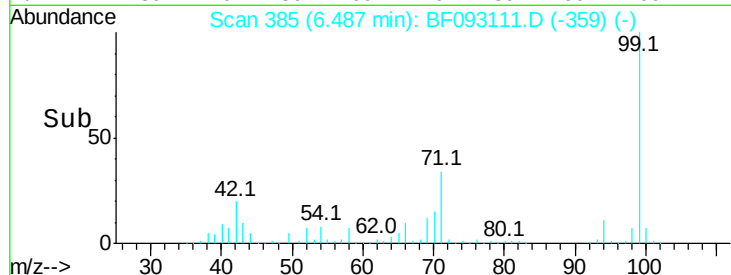
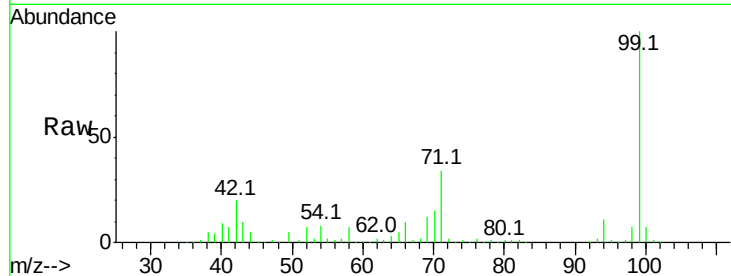
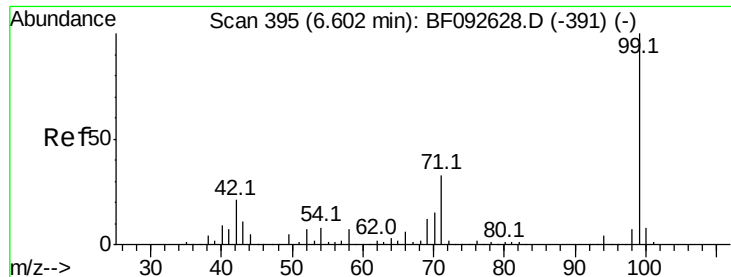


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 138.85 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tot Ion: 99 Resp: 1672150

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

71 33.6 27.5 41.3

Instrument :

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ClientSampleId :

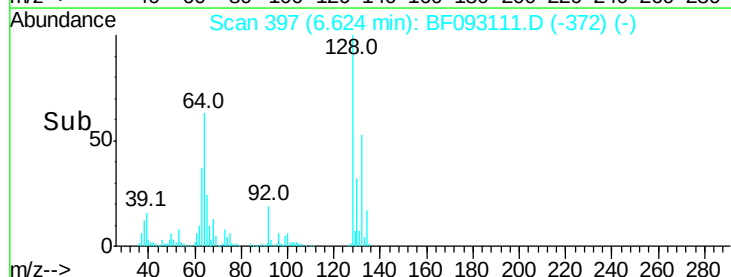
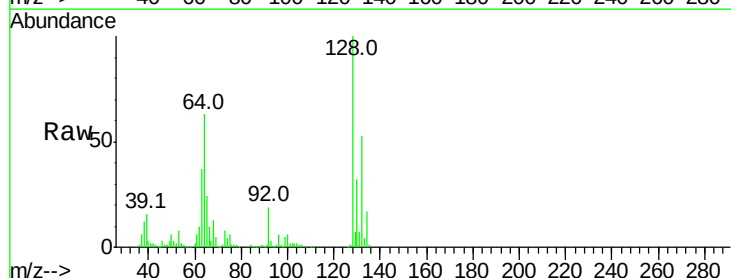
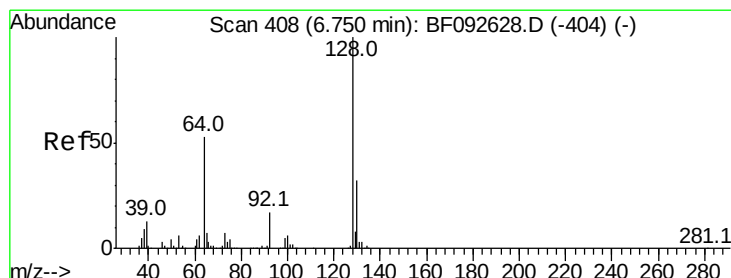
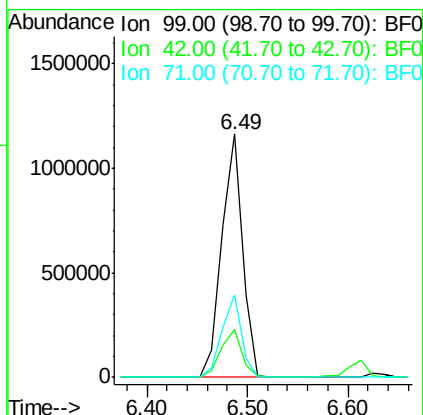
SPARTA-FINE-SANDMSD

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#8

2-Chlorophenol

Concen: 47.21 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

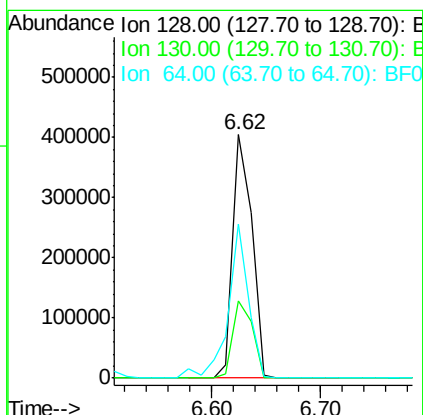
Tgt Ion:128 Resp: 487449

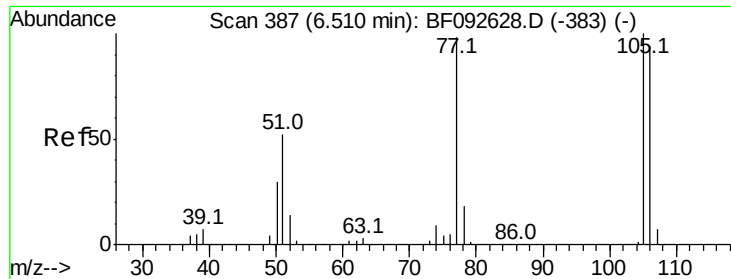
Ion Ratio Lower Upper

128 100

130 31.7 12.3 52.3

64 63.3 32.2 72.2





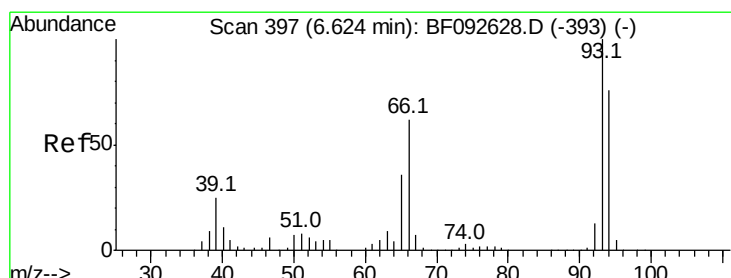
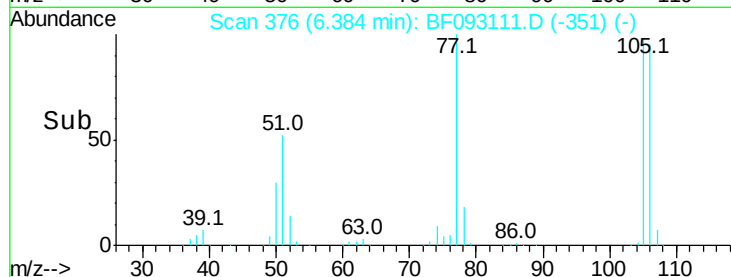
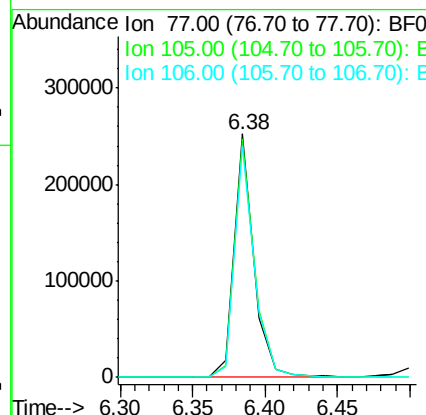
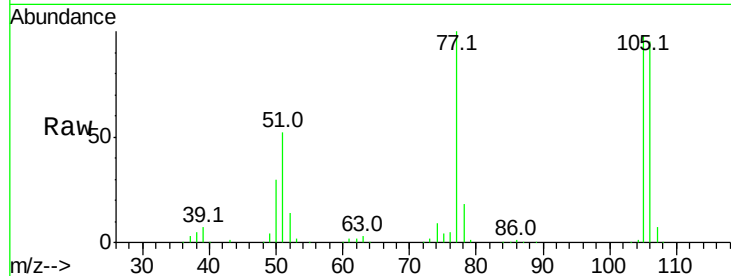
#9
Benzaldehyde
Concen: 27.53 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.1	83.9	123.9
106	95.1	77.6	117.6

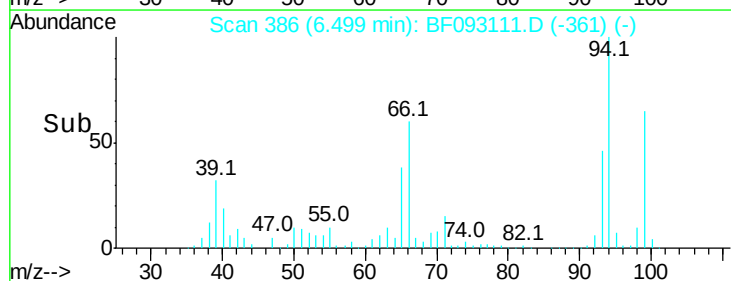
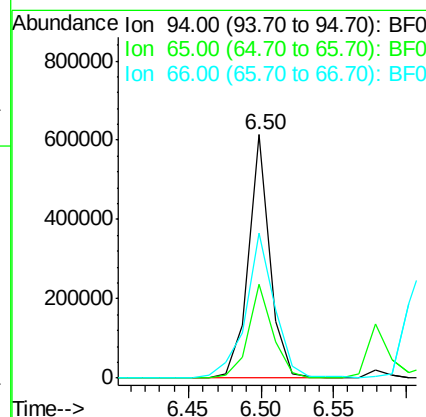
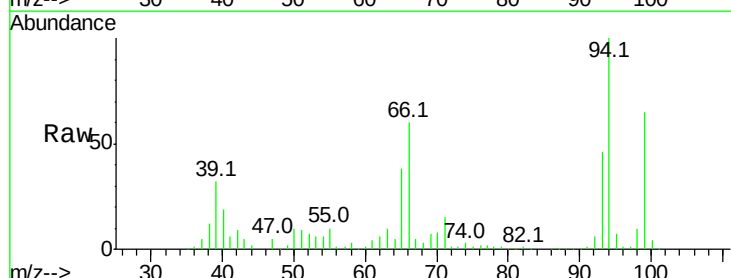
Manual Integrations
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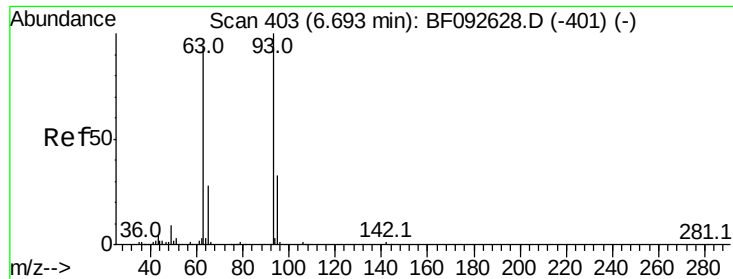
mohammad
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#10
Phenol
Concen: 44.62 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
94	100		
65	38.5	21.4	61.4
66	59.7	44.0	84.0





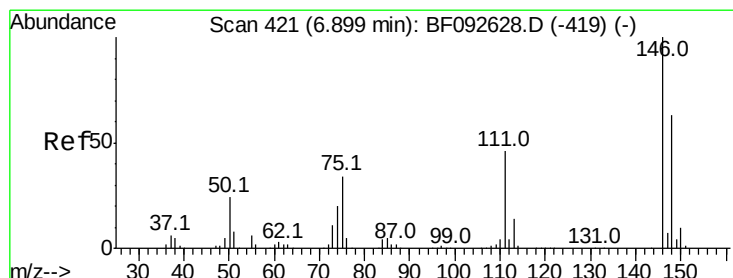
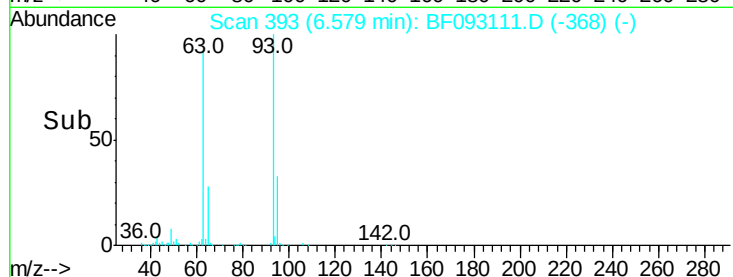
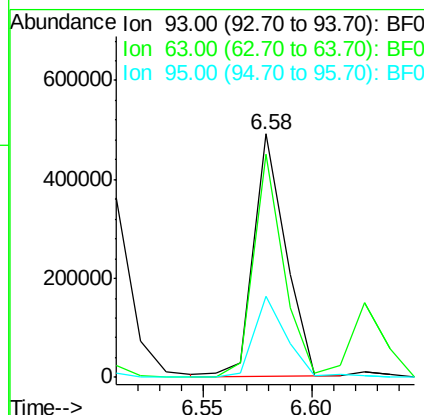
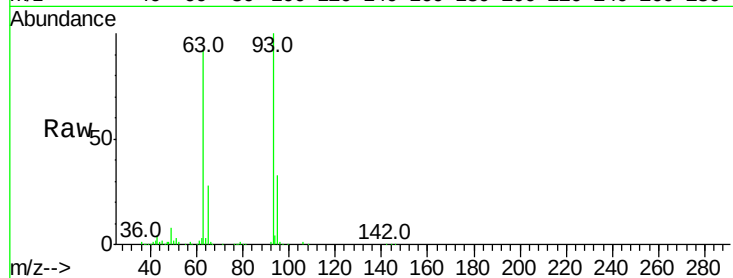
#11
bis(2-Chloroethyl)ether
Concen: 44.31 ng
RT: 6.58 min Scan# 393
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	91.7	60.4	100.4
95	33.1	12.8	52.8

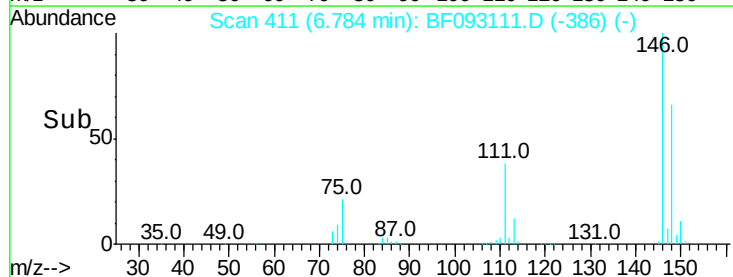
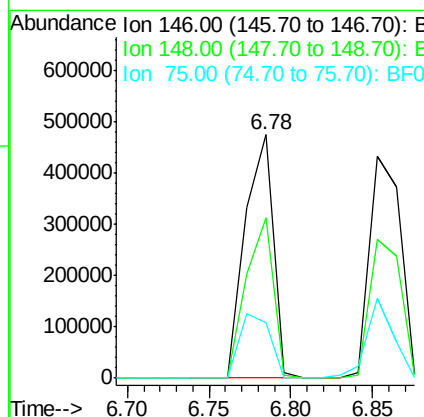
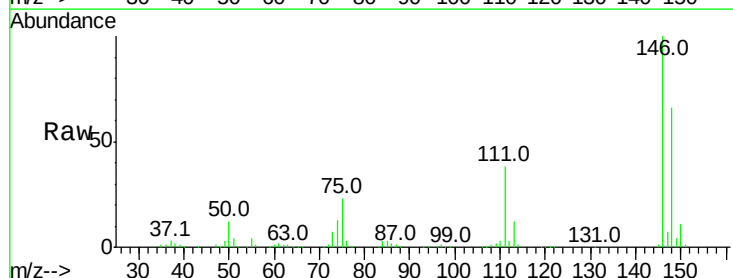
Manual Integrations
APPROVED

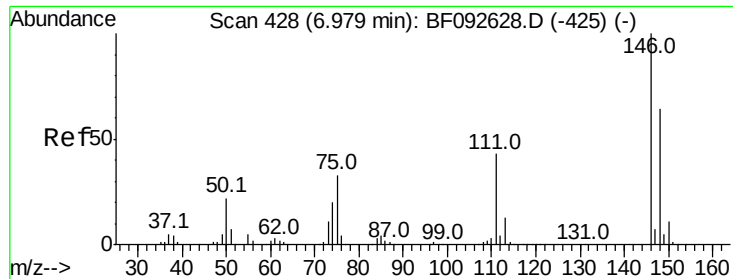
mohammad
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#12
1,3-Dichlorobenzene
Concen: 46.83 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	53.4	80.0
75	23.0	18.5	27.7





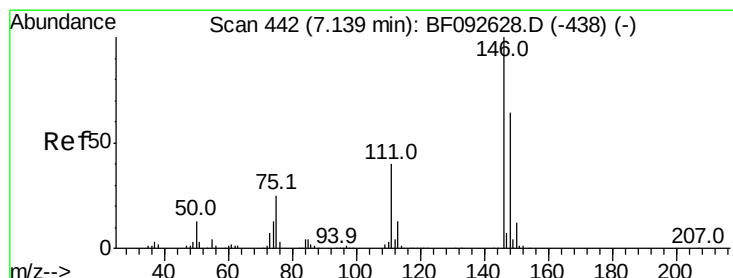
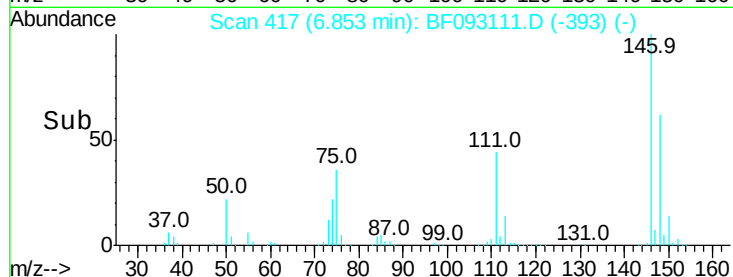
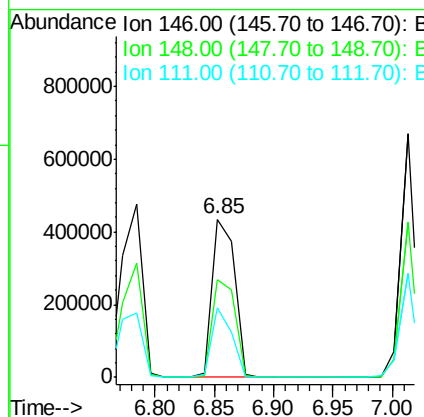
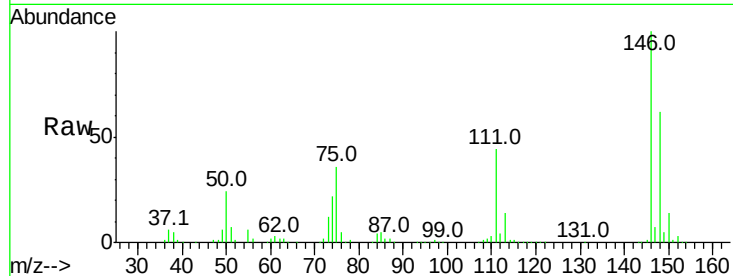
#13
 1,4-Dichlorobenzene
 Concen: 46.44 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.6	76.0
111	44.3	36.2	54.4

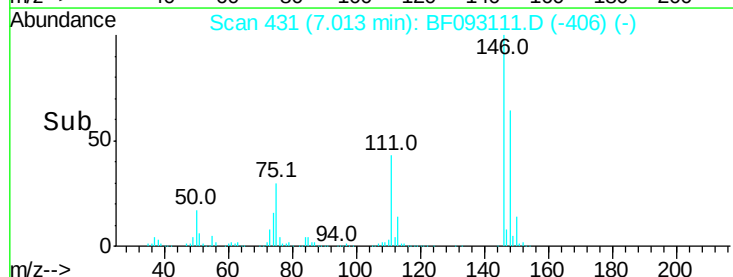
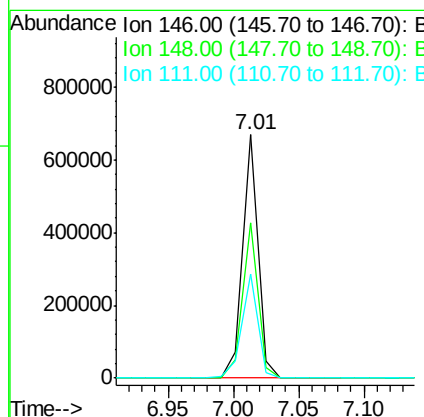
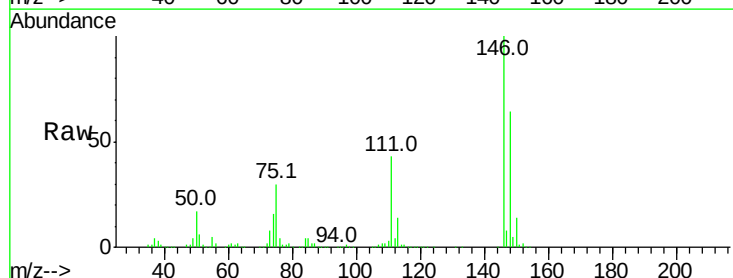
Manual Integrations
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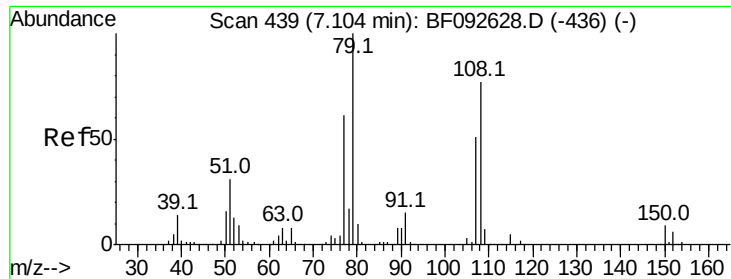
mohammad
 2/24/2017 2:11:10 PM



#14
 1,2-Dichlorobenzene
 Concen: 46.43 ng
 RT: 7.01 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	42.7	36.2	54.2





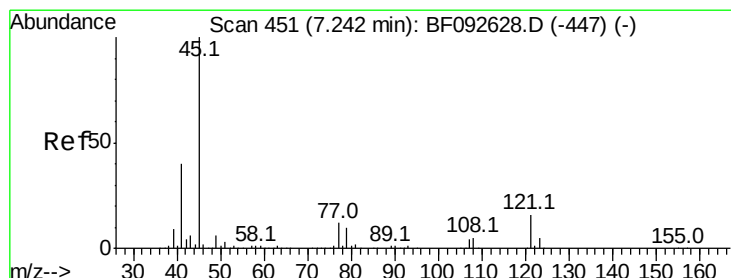
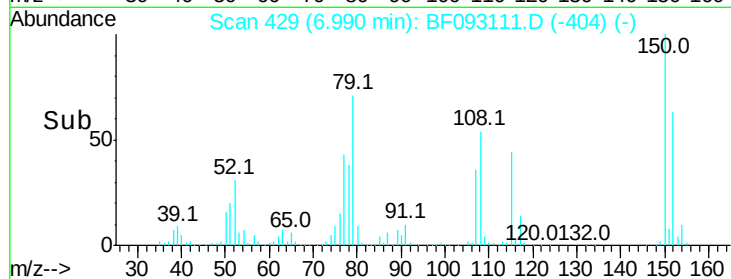
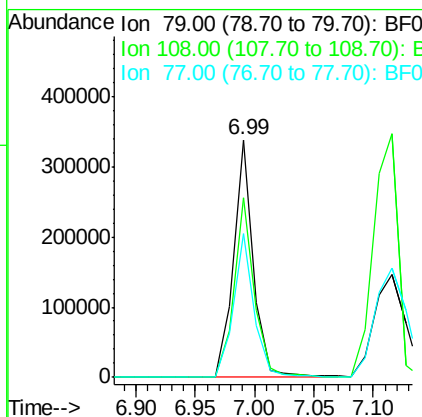
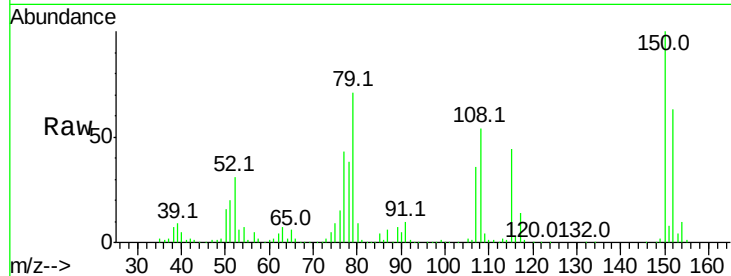
#15
Benzyl Alcohol
Concen: 44.19 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.8	61.4	92.0
77	60.6	50.9	76.3

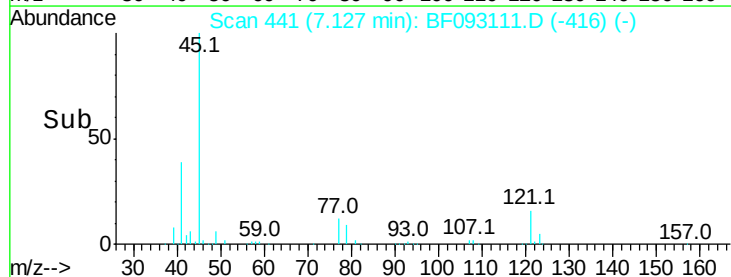
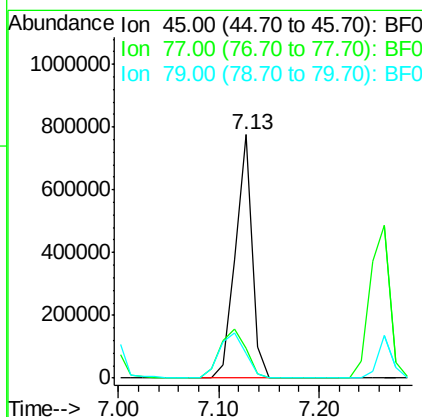
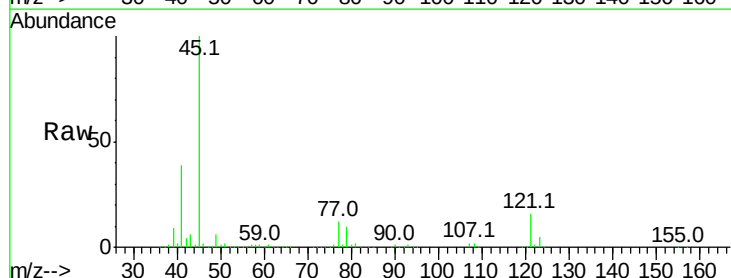
Manual Integrations
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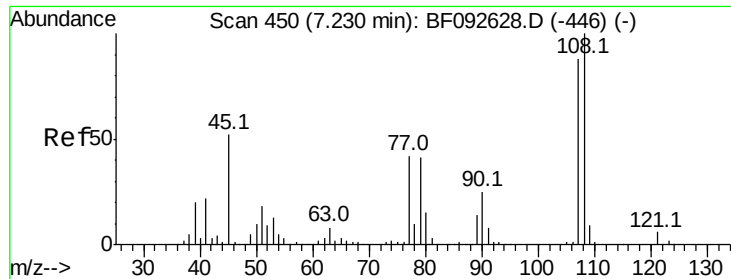
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.62 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	34.6
79	10.0	0.0	31.2





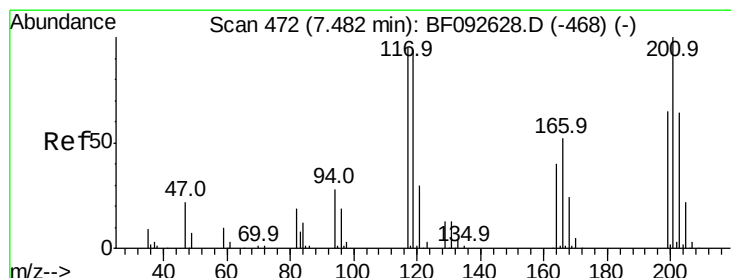
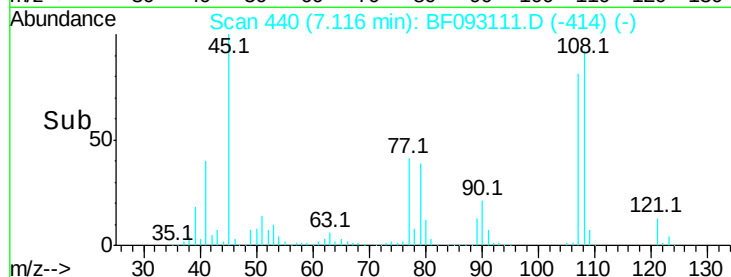
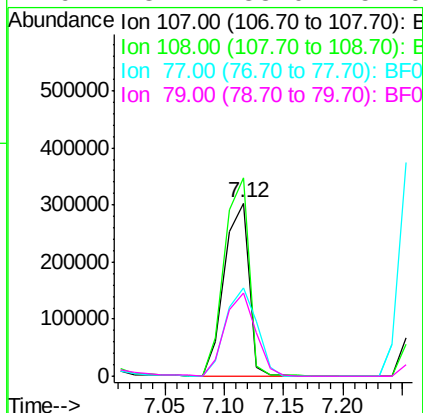
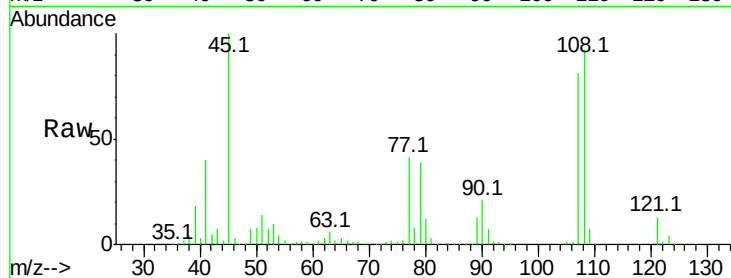
#17
2-Methylphenol
Concen: 49.17 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.5	93.0	139.6
77	51.2	39.8	59.8
79	48.1	38.0	57.0

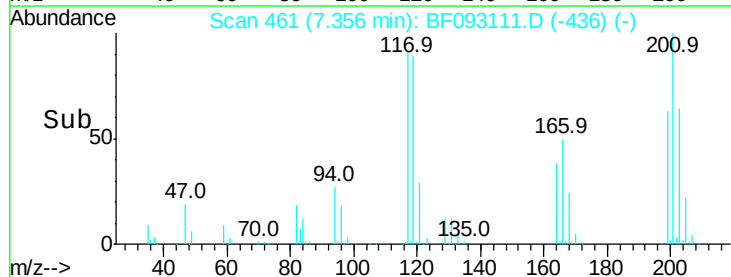
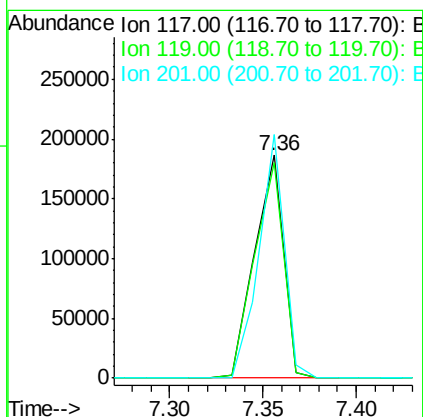
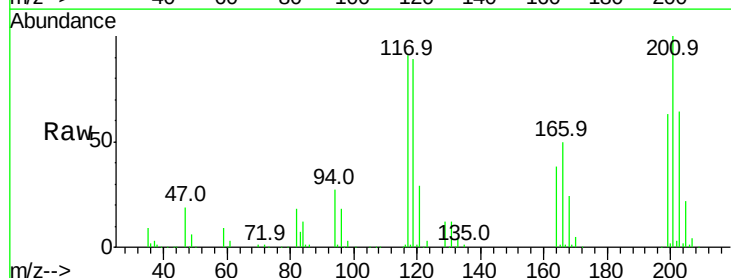
Manual Integrations
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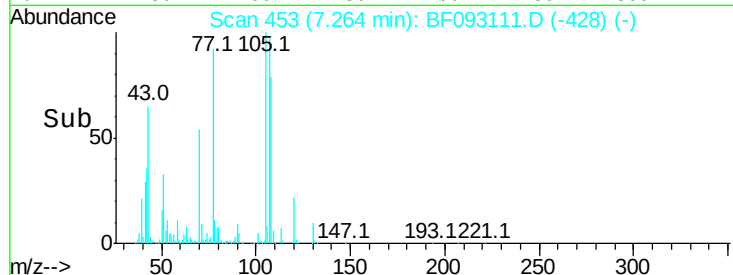
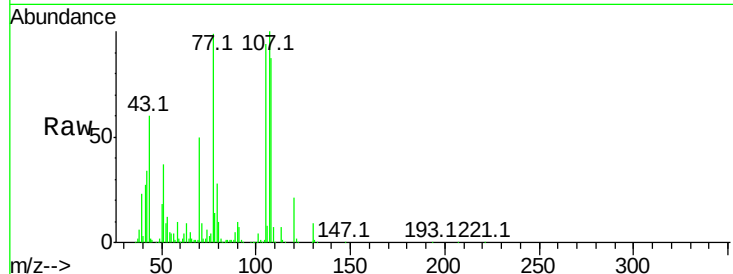
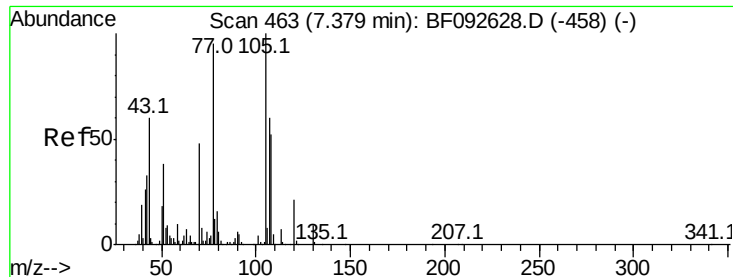
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#18
Hexachloroethane
Concen: 47.58 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.1	117.1
201	109.3	78.6	117.8





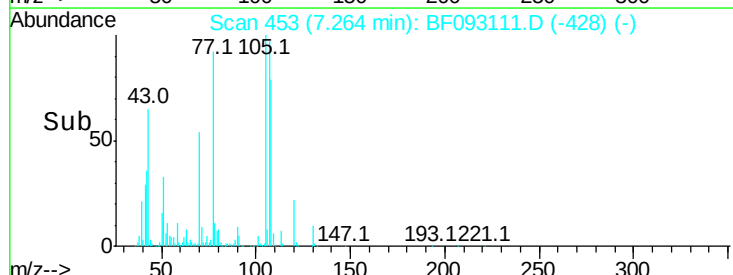
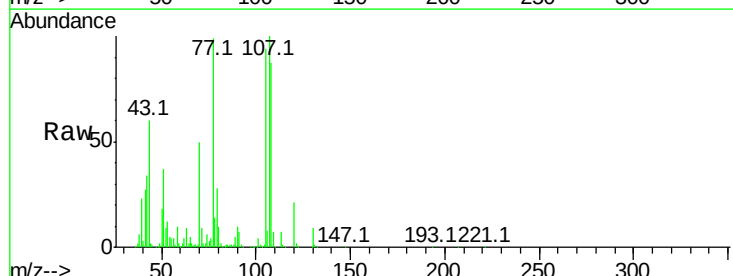
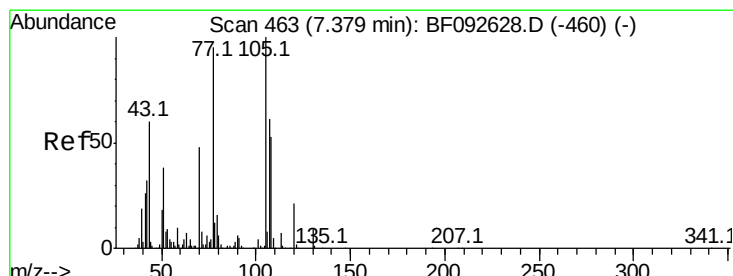
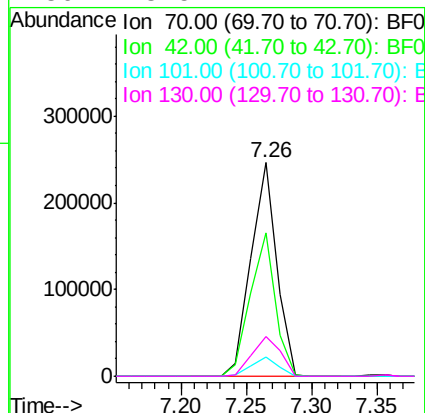
#19
n-Nitroso-di-n-propylamine
Concen: 44.10 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	70	Resp	338081
Ion Ratio	Lower	Upper	
70	100		
42	67.0	49.4	74.0
101	8.8	7.4	11.2
130	18.5	14.2	21.4

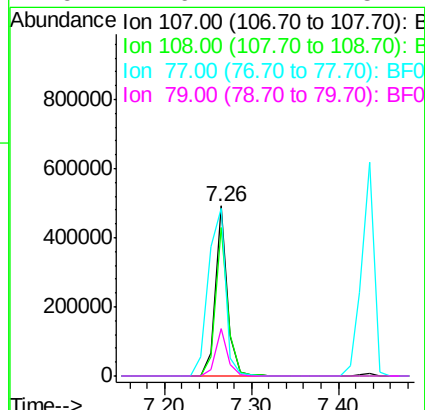
Manual Integrations
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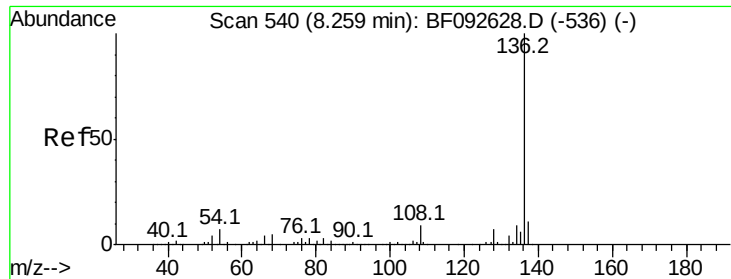
mohammad
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#20
3+4-Methylphenols
Concen: 45.01 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	107	Resp	476684
Ion Ratio	Lower	Upper	
107	100		
108	87.4	73.0	113.0
77	98.7	71.3	111.3
79	27.6	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

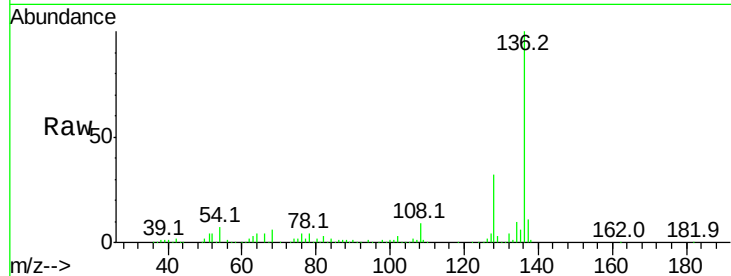
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	647579		
137	10.5	8.4	12.6	
54	7.3	4.5	6.7#	
68	5.7	3.6	5.4#	

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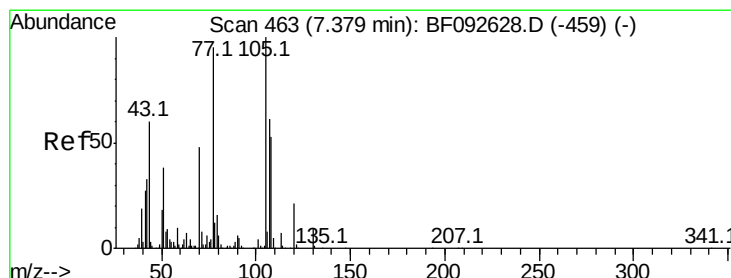
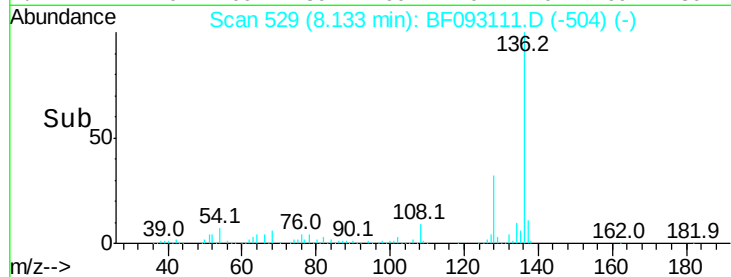
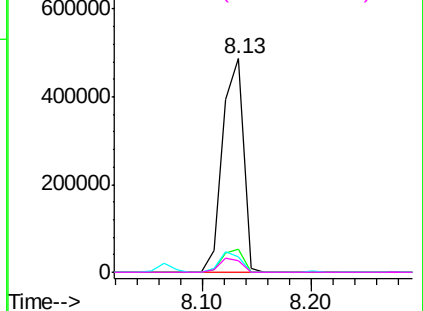


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.08 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.00 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

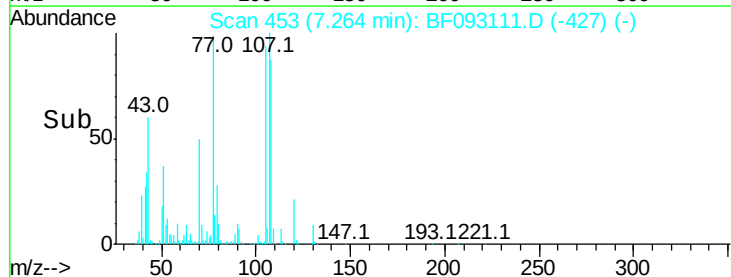
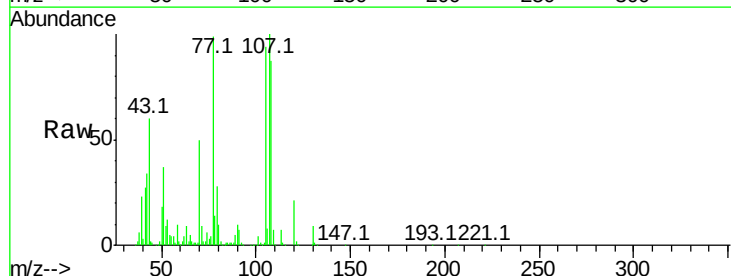
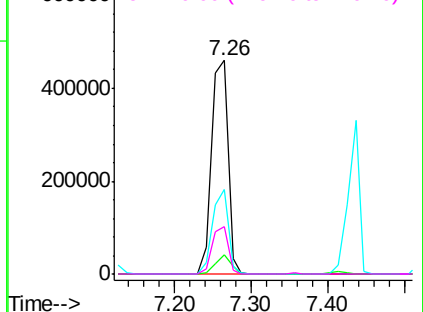
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	681347		
71	9.1	3.2	4.8#	
51	39.8	26.2	39.4#	
120	22.1	16.6	24.8	

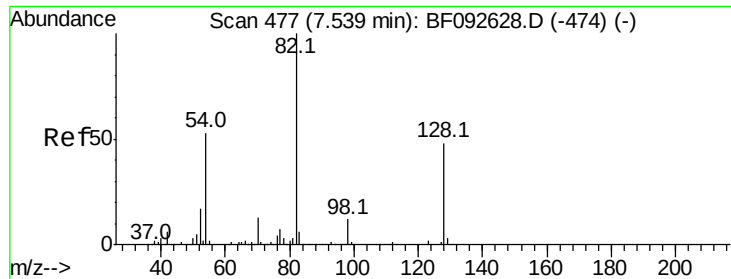
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





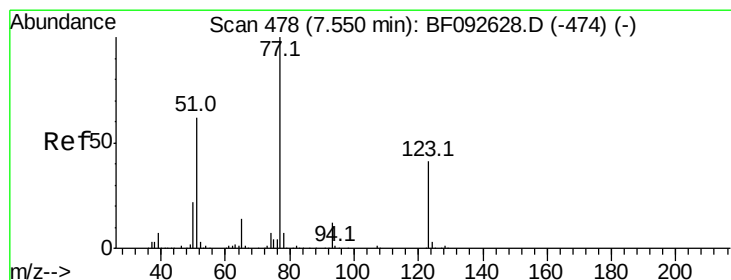
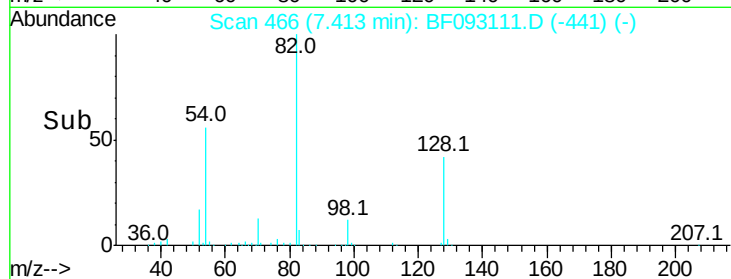
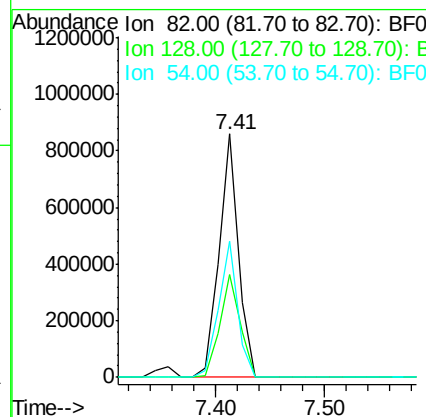
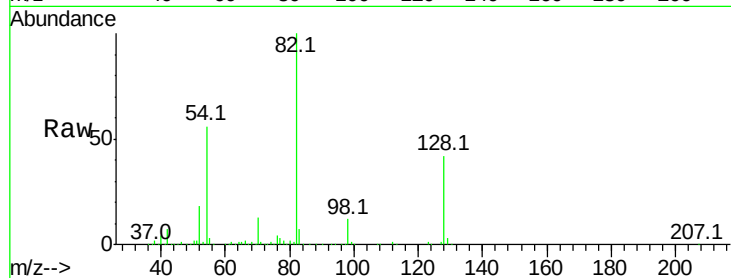
#23
 Nitrobenzene-d5
 Concen: 92.12 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion: 82 Resp: 1071293
 Ion Ratio Lower Upper
 82 100
 128 42.3 34.6 52.0
 54 56.1 39.5 59.3

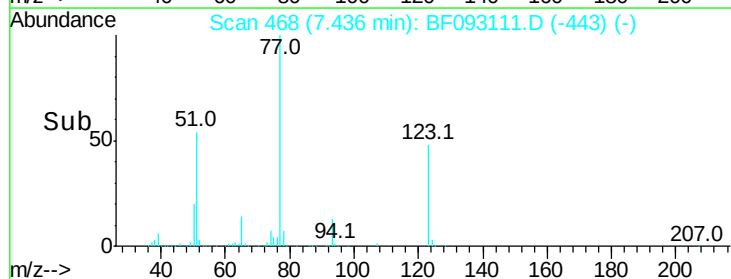
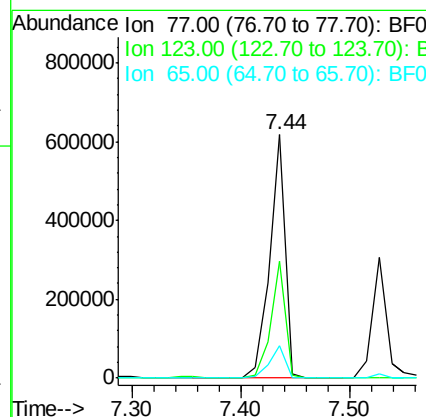
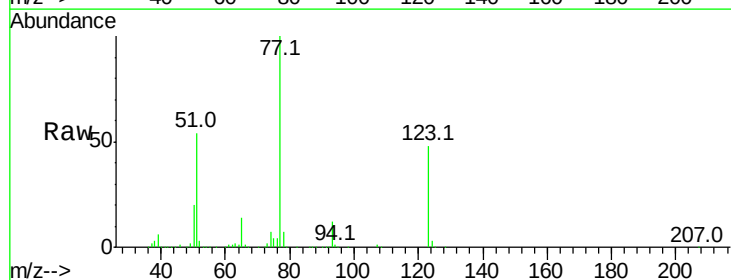
Manual Integrations
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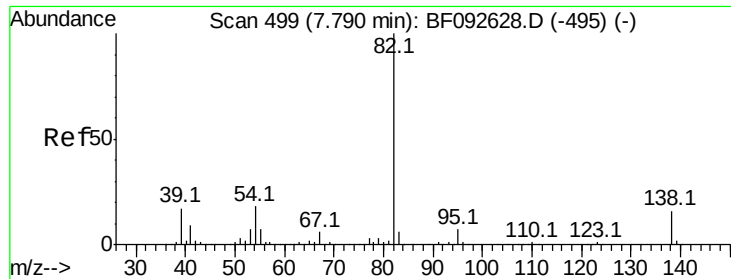
mohammad
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#24
 Nitrobenzene
 Concen: 51.64 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion: 77 Resp: 616668
 Ion Ratio Lower Upper
 77 100
 123 48.0 33.0 49.4
 65 13.5 11.2 16.8





#25

Isophorone

Concen: 47.89 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion: 82 Resp: 1037795

Ion Ratio Lower Upper

82 100

95 6.8 5.6 8.4

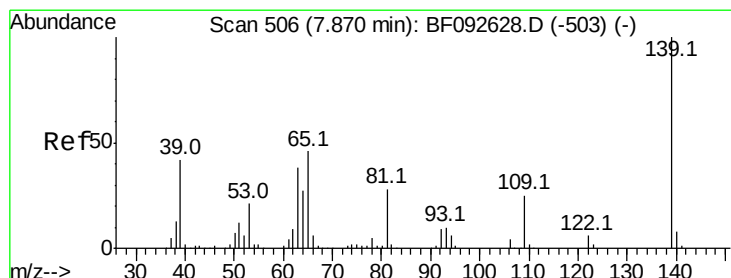
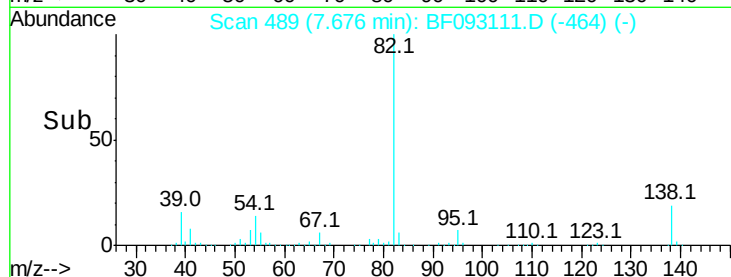
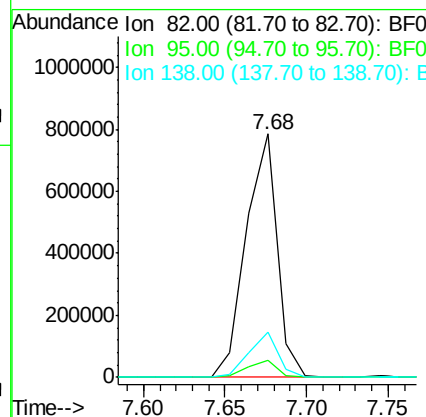
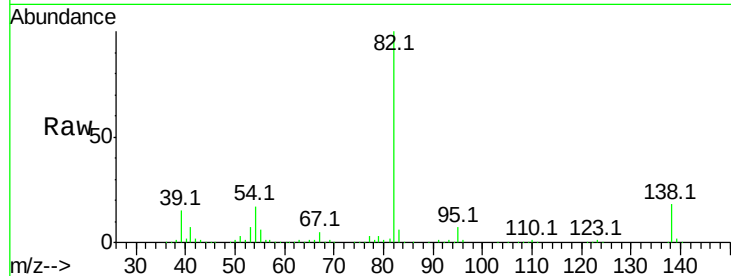
138 18.4 14.6 22.0

Manual Integrations

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#26

2-Nitrophenol

Concen: 47.57 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

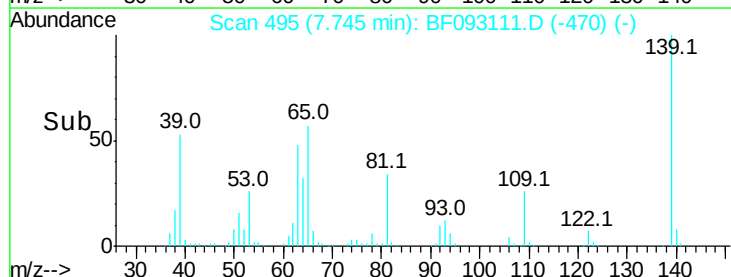
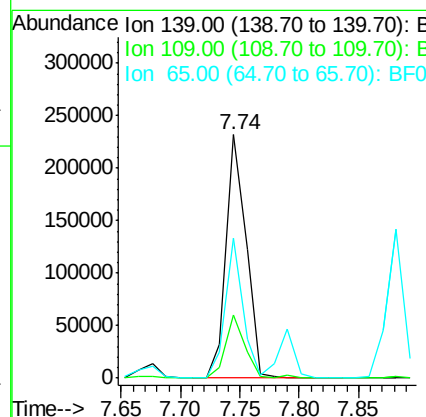
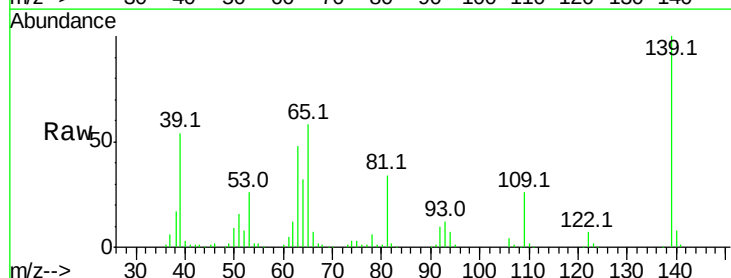
Tgt Ion: 139 Resp: 270004

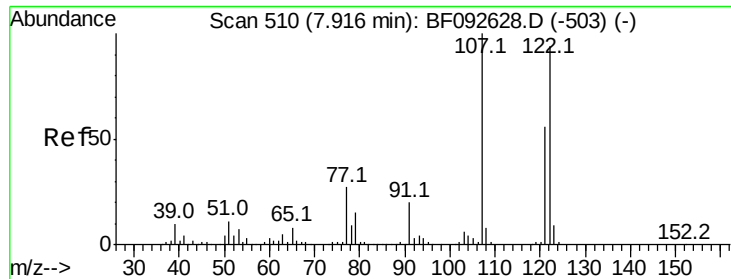
Ion Ratio Lower Upper

139 100

109 26.0 23.3 34.9

65 57.6 42.7 64.1





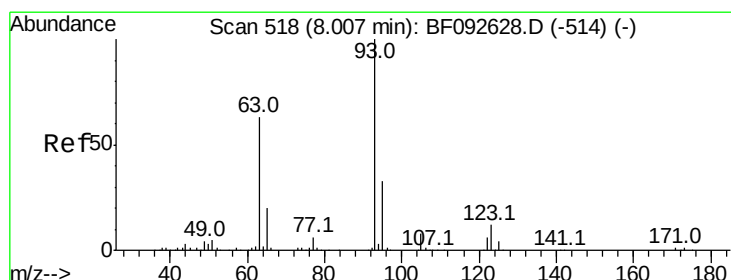
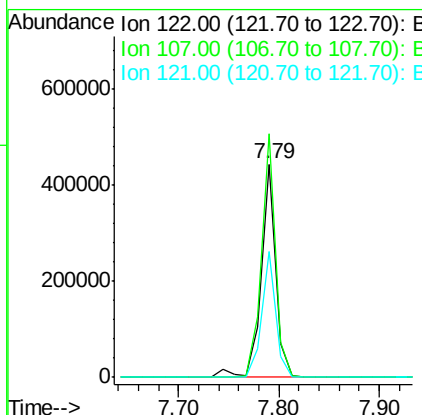
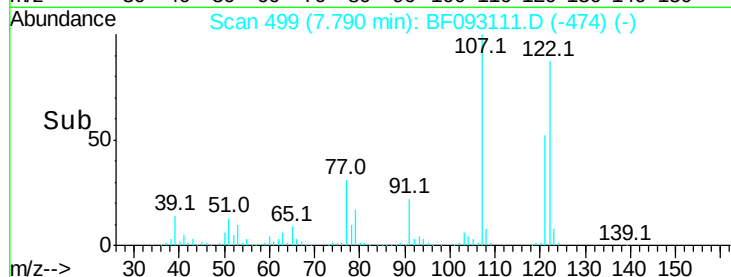
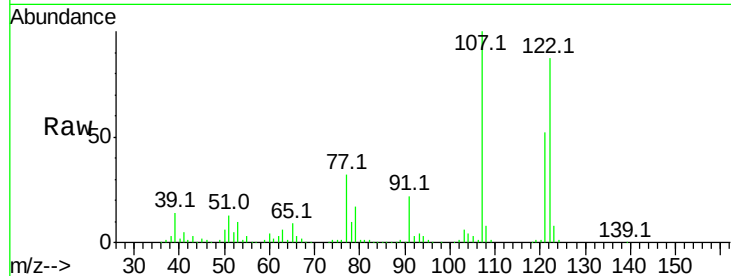
#27
2,4-Dimethylphenol
Concen: 45.04 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	448942		
107	114.3	94.1	141.1	
121	59.1	46.0	69.0	

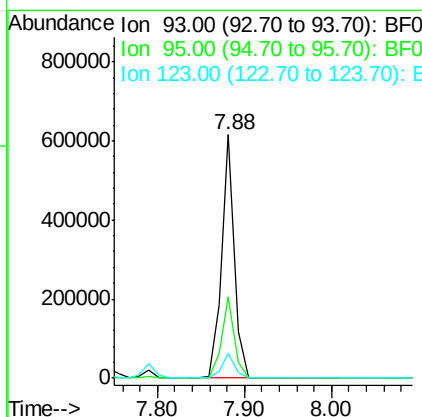
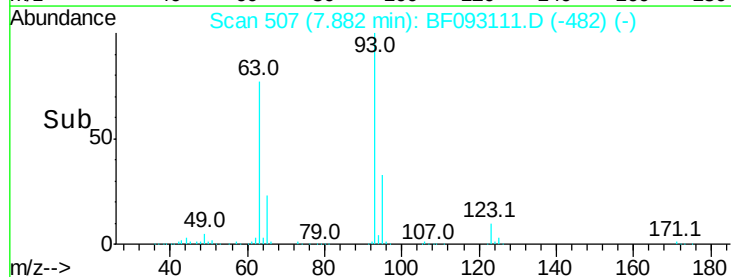
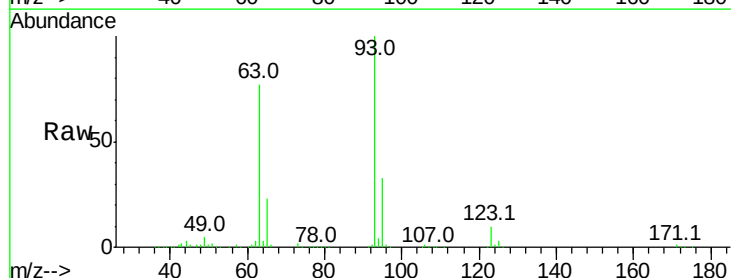
Manual Integrations
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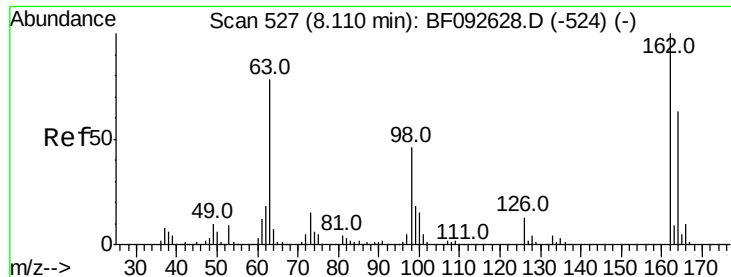
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 44.45 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	637970		
95	33.3	26.5	39.7	
123	10.0	8.6	13.0	





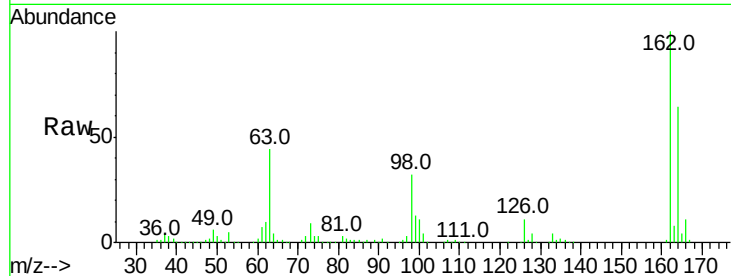
#29
 2,4-Dichlorophenol
 Concen: 48.66 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

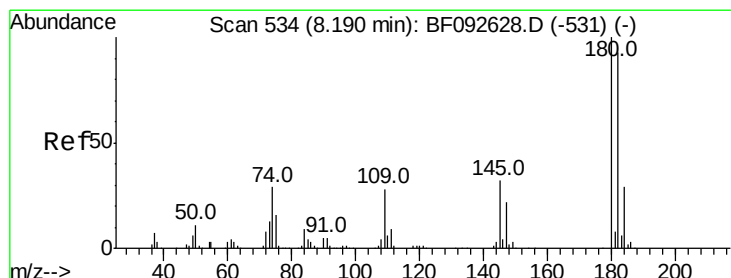
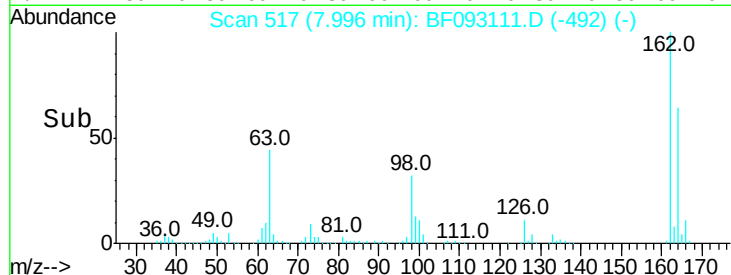
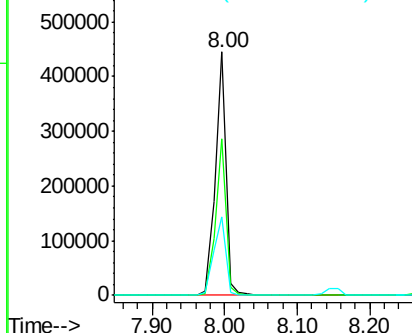
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.1	46.8	86.8
98	32.3	9.1	49.1

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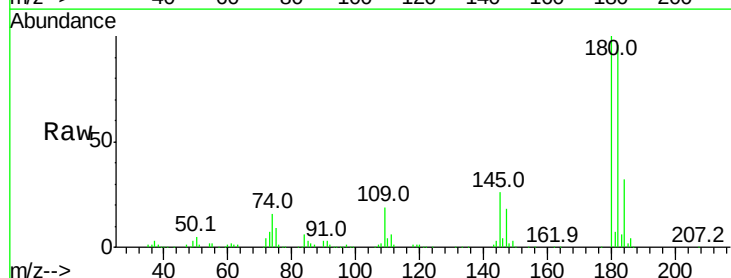


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

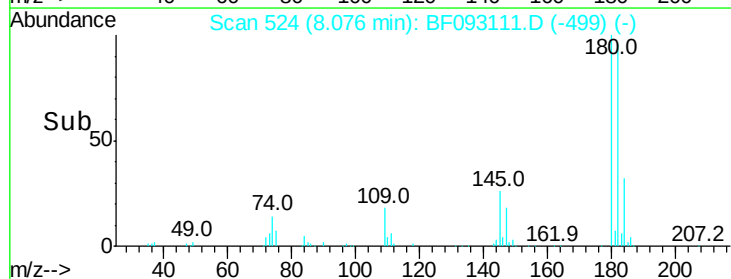
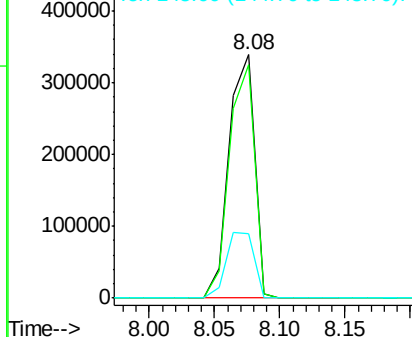


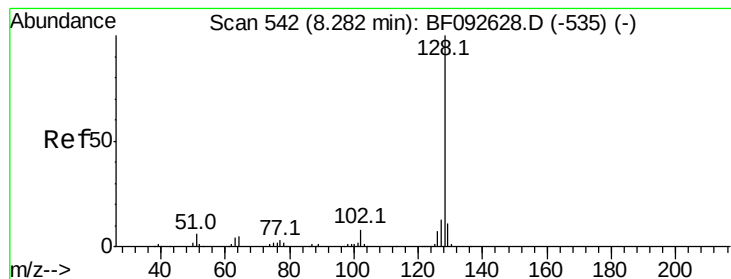
#30
 1,2,4-Trichlorobenzene
 Concen: 45.76 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	78.2	117.4
145	26.3	21.6	32.4



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: 43.77 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:128 Resp: 1436916

Ion Ratio Lower Upper

128 100

129 10.5 9.5 14.3

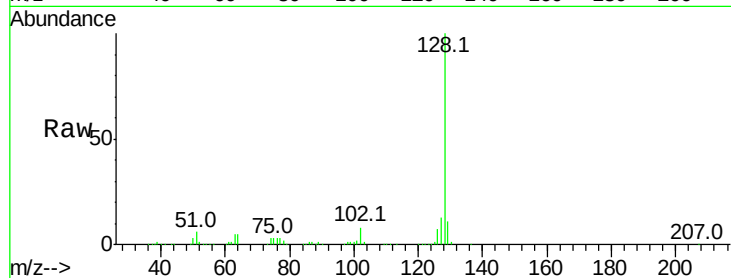
127 13.3 10.8 16.2

Manual Integrations

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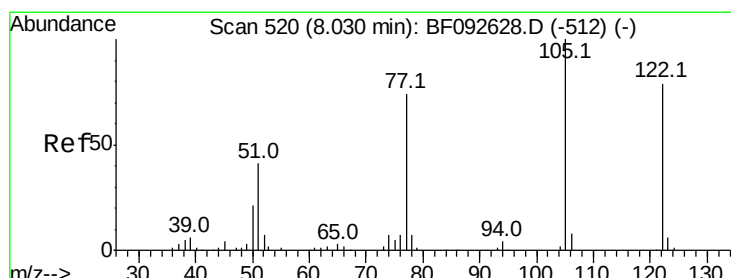
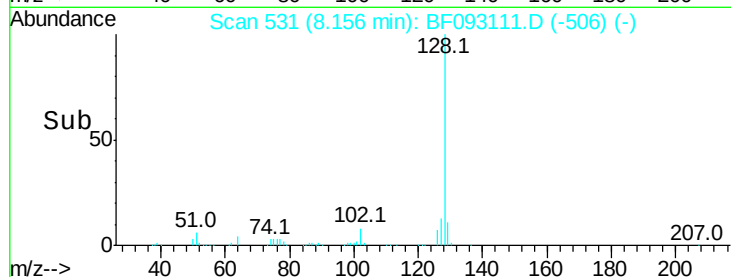
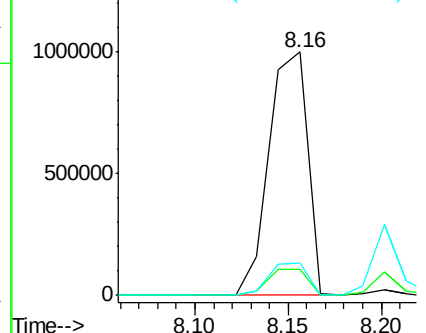
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.49 ng m

RT: 7.93 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

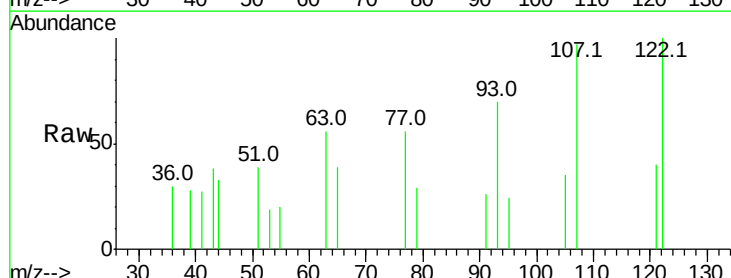
Tgt Ion:122 Resp: 2132

Ion Ratio Lower Upper

122 100

105 35.3 107.2 147.2#

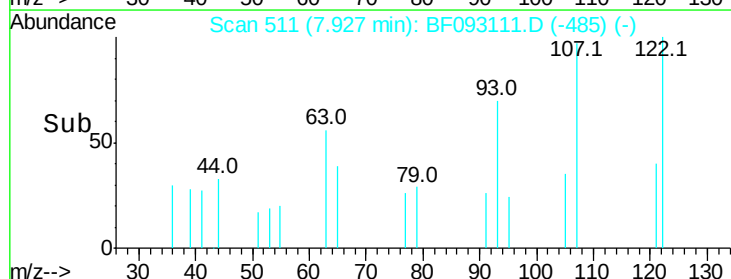
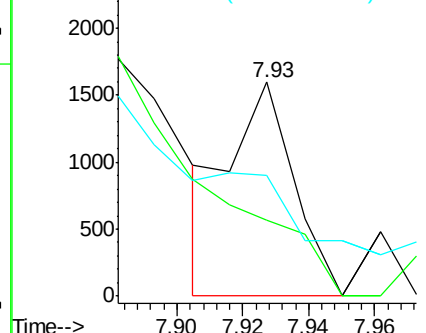
77 56.2 74.5 114.5#

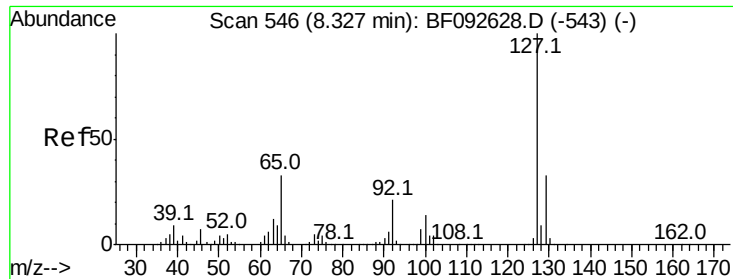


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





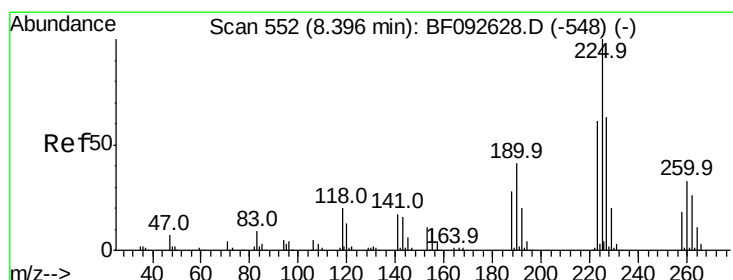
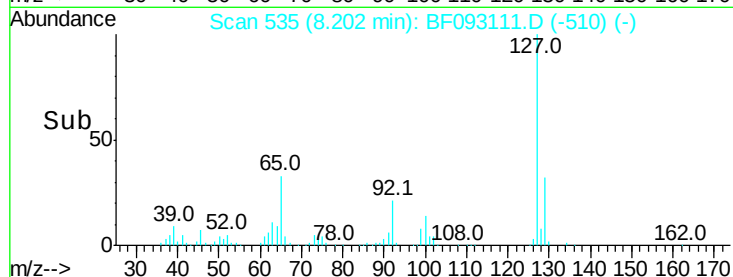
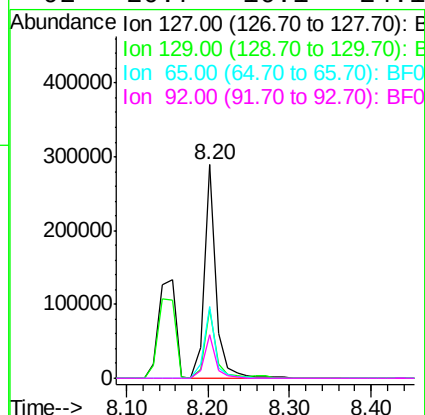
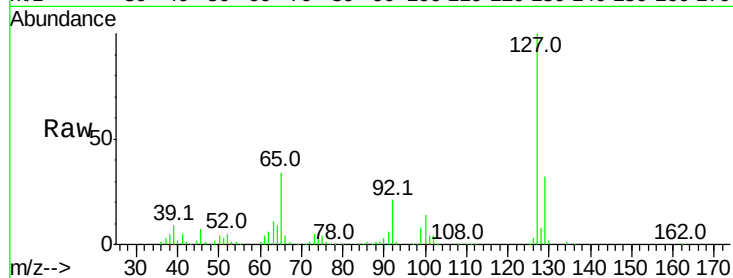
#33
4-Chloroaniline
Concen: 22.56 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.5	26.3	39.5	
65	33.5	25.8	38.8	
92	20.7	16.1	24.1	

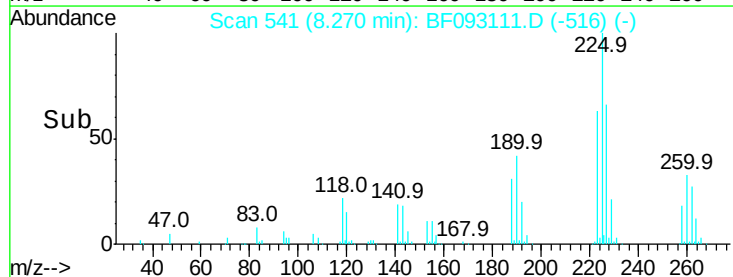
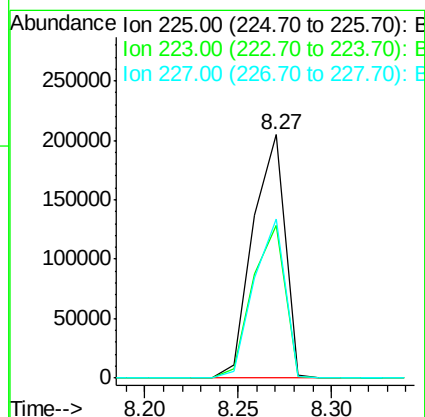
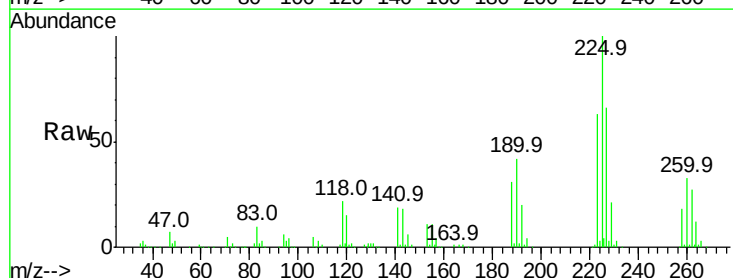
Manual Integrations
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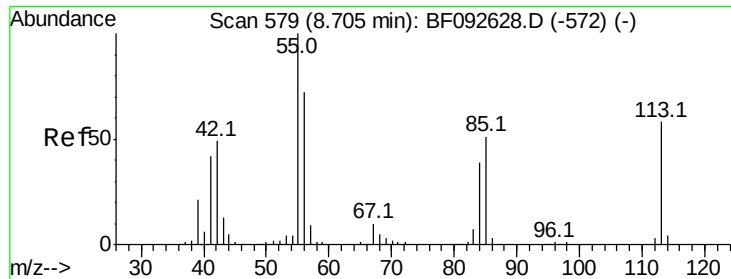
mohammad
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#34
Hexachlorobutadiene
Concen: 44.16 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	51.0	76.6	
227	65.5	50.6	76.0	





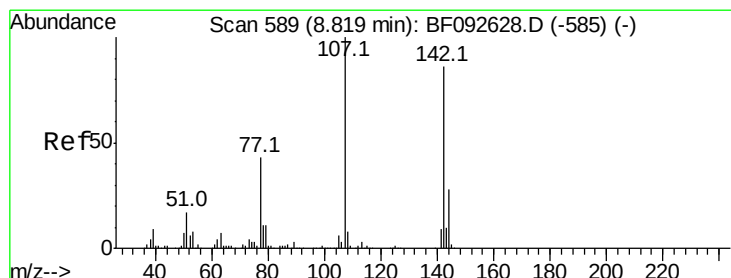
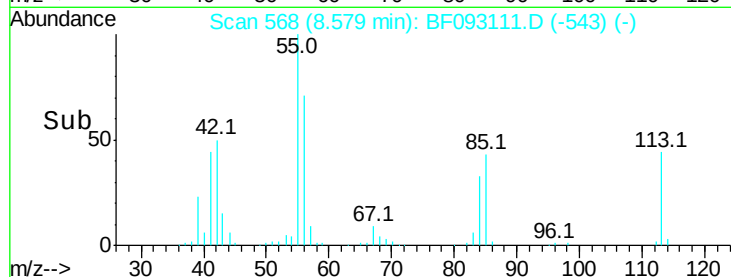
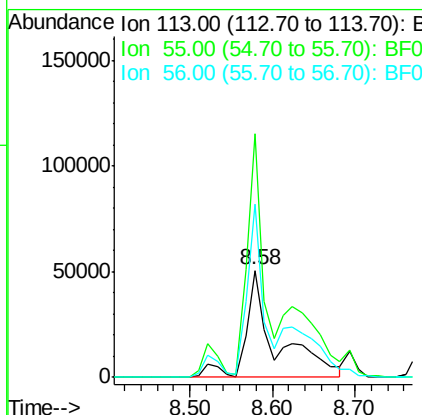
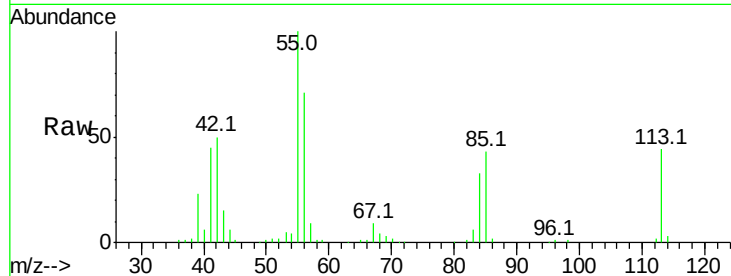
#35
 Caprolactam
 Concen: 44.50 ng/ml
 RT: 8.58 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	227.9	119.2	159.2#
56	161.9	83.8	123.8#

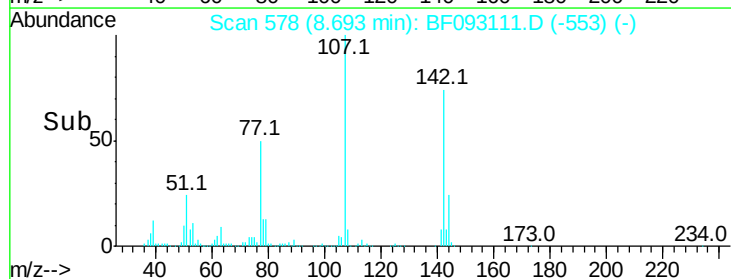
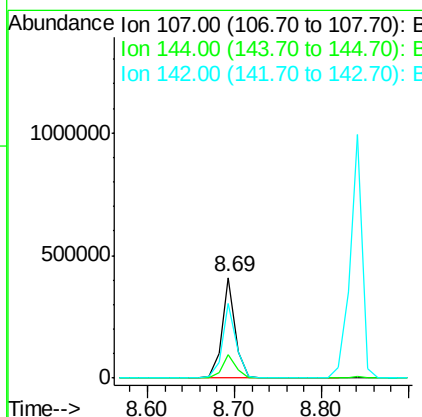
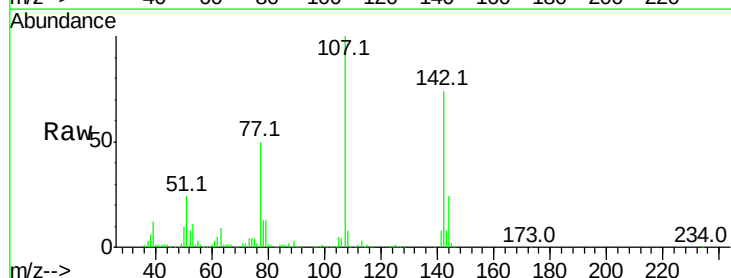
Manual Integrations
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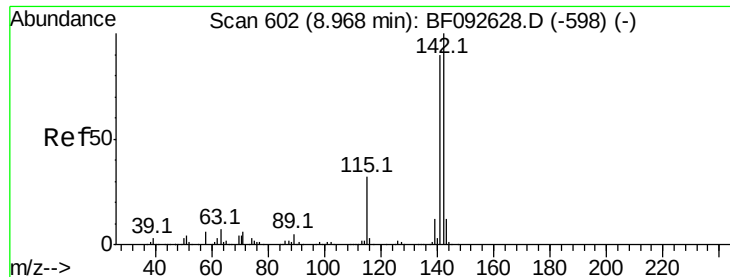
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 45.30 ng/ml
 RT: 8.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.6	19.3	28.9
142	74.2	59.0	88.6





#37

2-Methylnaphthalene

Concen: 46.54 ng

RT: 8.84 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

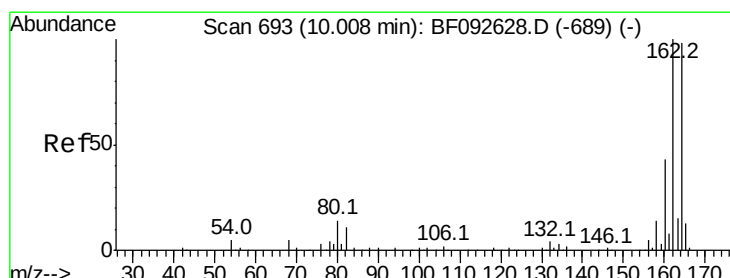
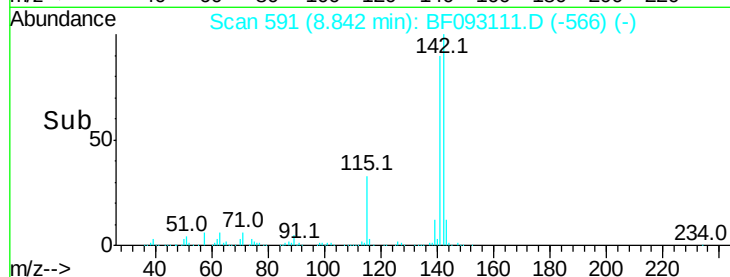
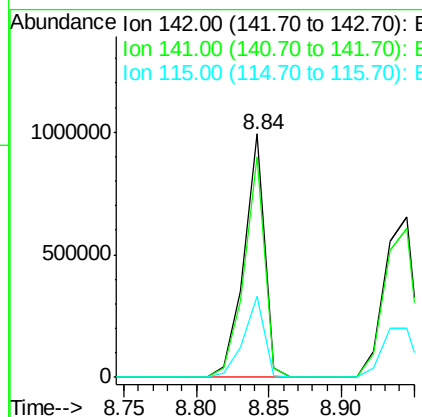
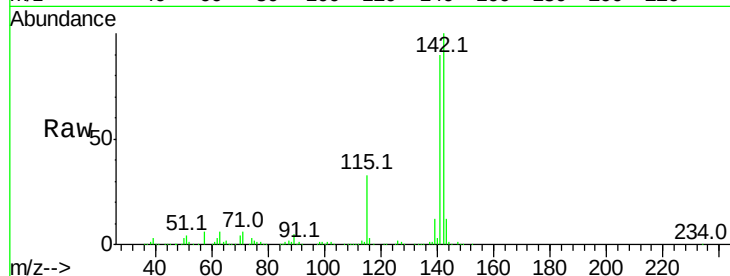
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:	142	Resp:	980998
Ion Ratio	Lower	Upper	
142	100		
141	90.4	71.0	106.6
115	33.3	28.3	42.5

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.00 ng

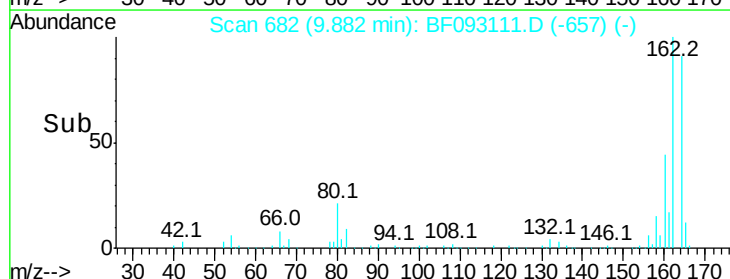
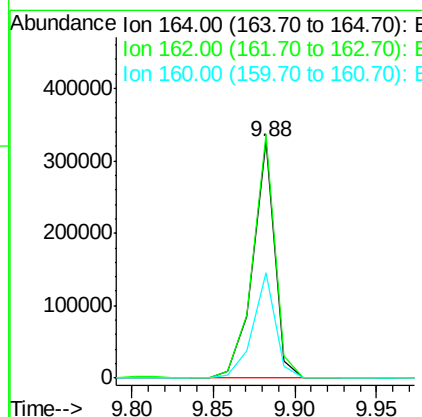
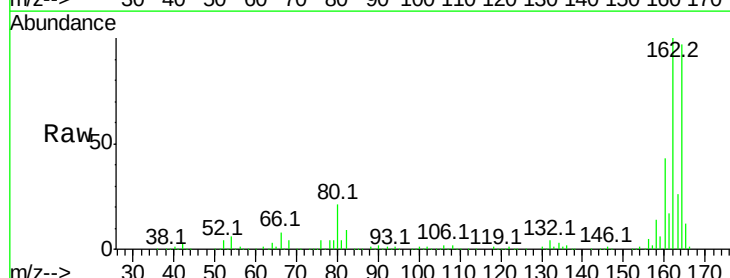
RT: 9.88 min Scan# 682

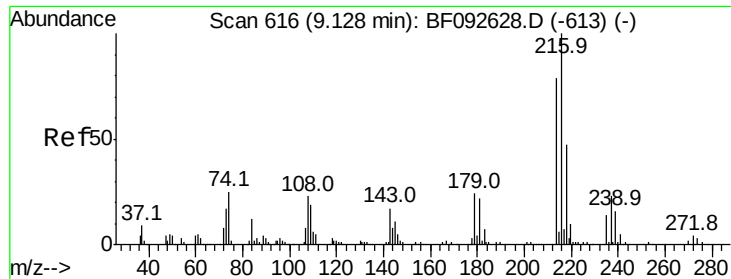
Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:	164	Resp:	305954
Ion Ratio	Lower	Upper	
164	100		
162	102.8	80.2	120.2
160	44.5	36.9	55.3





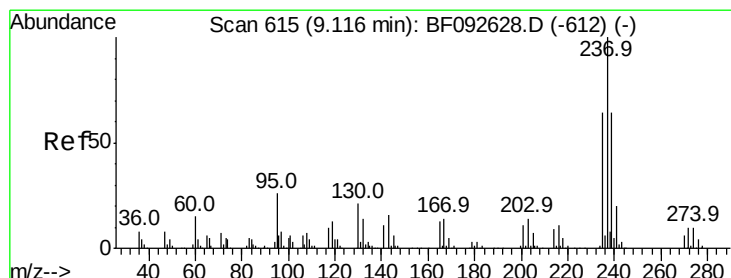
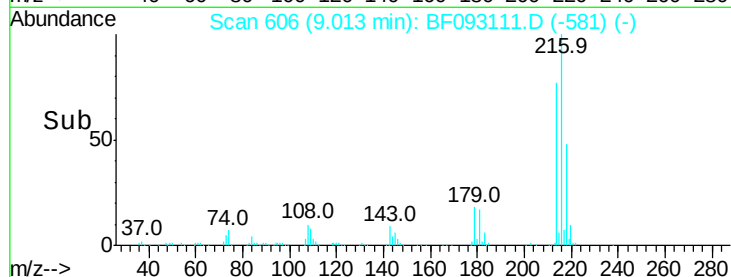
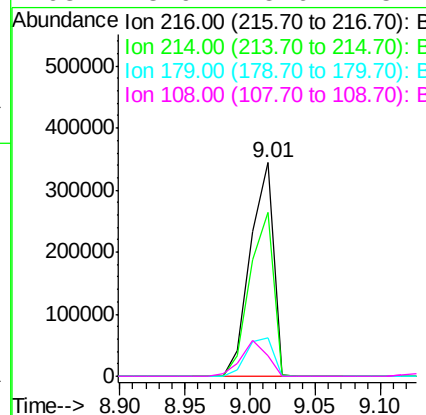
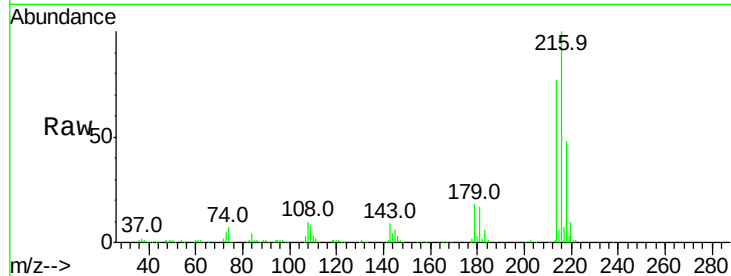
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.69 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	426759		
214	78.4	63.4	95.0	
179	20.6	17.4	26.2	
108	18.9	15.6	23.4	

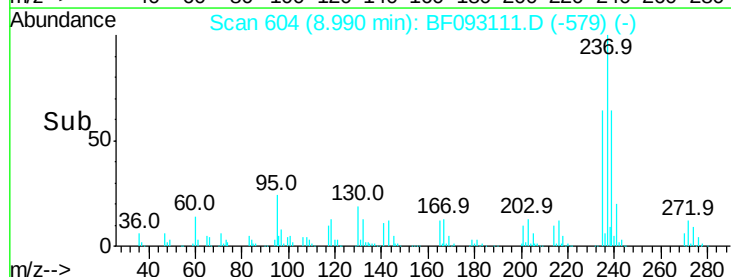
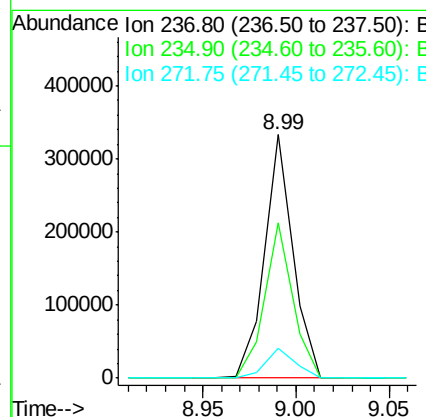
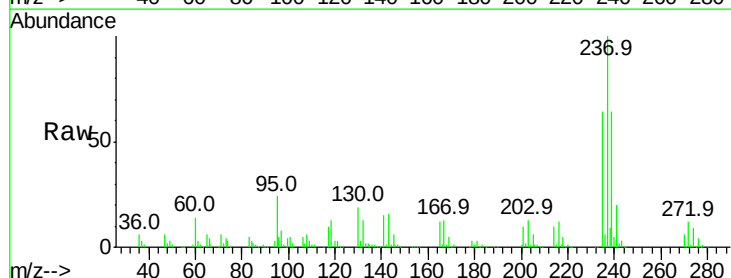
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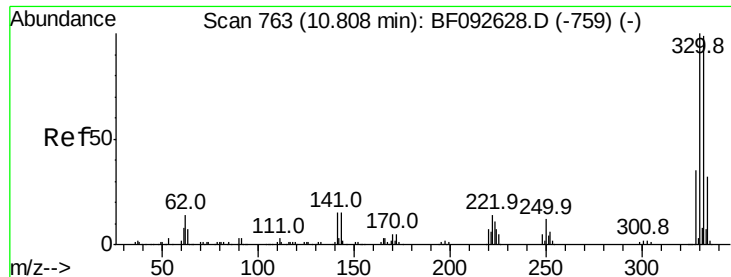
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#40
 Hexachlorocyclopentadiene
 Concen: 90.61 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	351114		
235	63.9	41.2	81.2	
272	12.0	0.0	35.4	





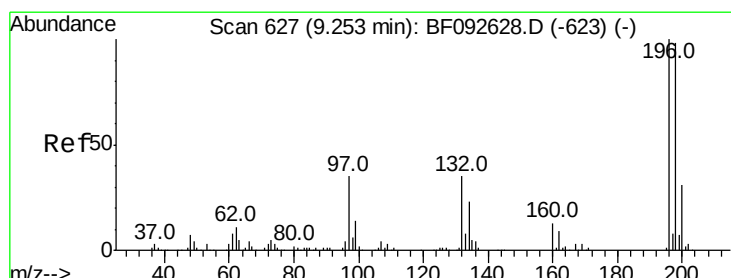
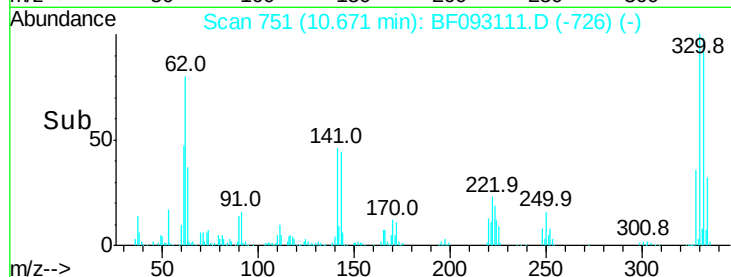
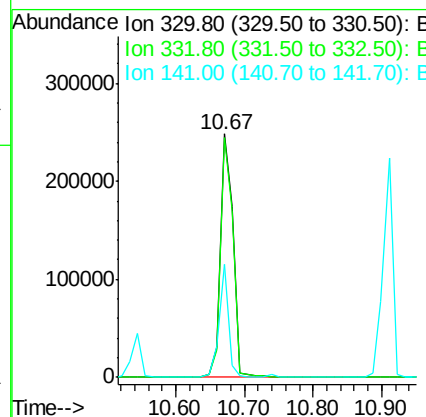
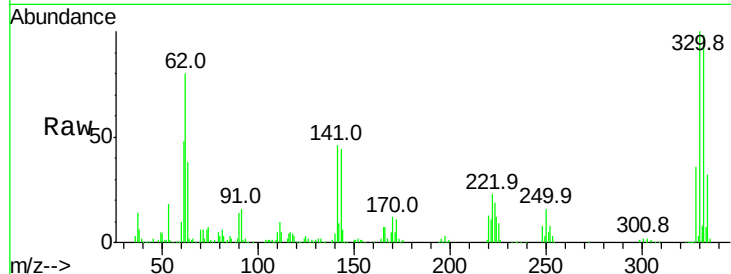
#41
 2,4,6-Tribromophenol
 Concen: 146.07 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	323233		
332	97.8	77.4	116.2	
141	35.2	34.1	51.1	

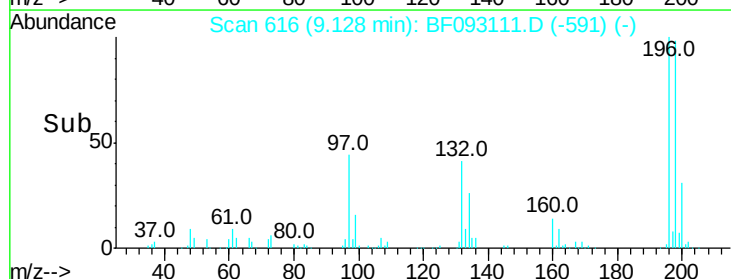
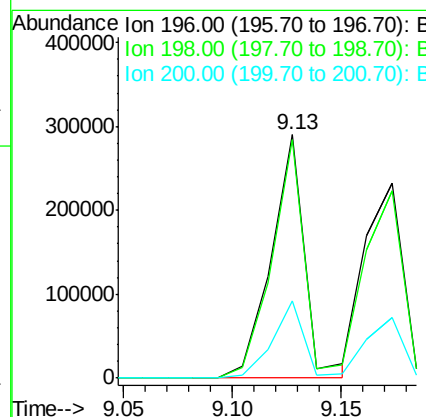
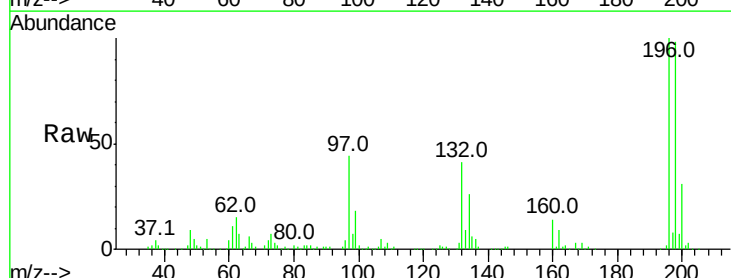
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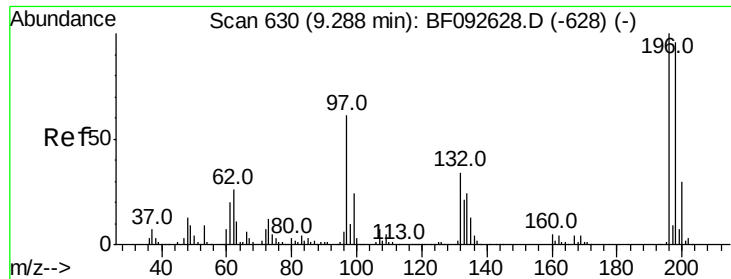
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#42
 2,4,6-Trichlorophenol
 Concen: 55.09 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	310888		
198	97.7	82.1	123.1	
200	31.5	27.0	40.4	





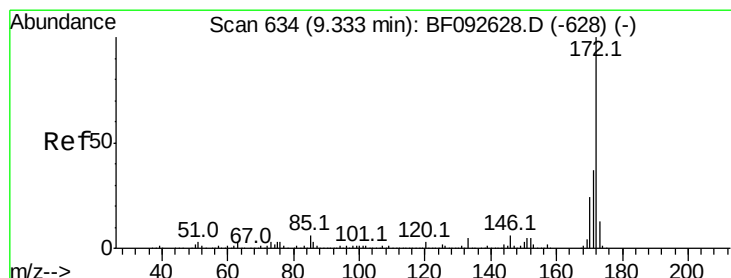
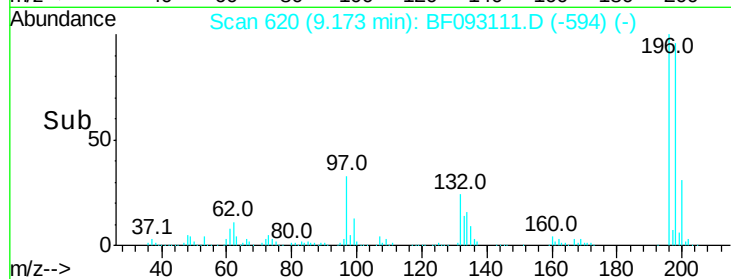
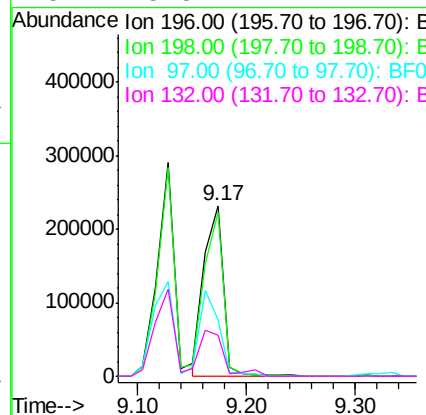
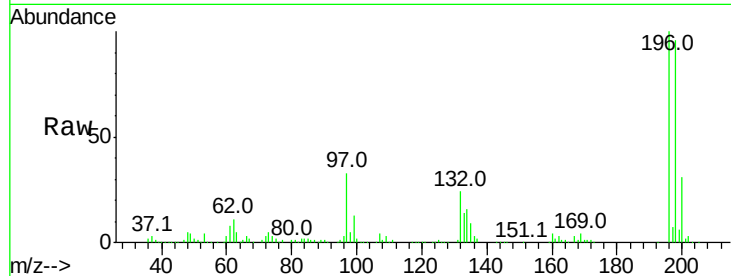
#43
 2,4,5-Trichlorophenol
 Concen: 46.39 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	286831		
198	96.3	79.4	119.2	
97	33.2	51.5	77.3#	
132	23.8	27.4	41.2#	

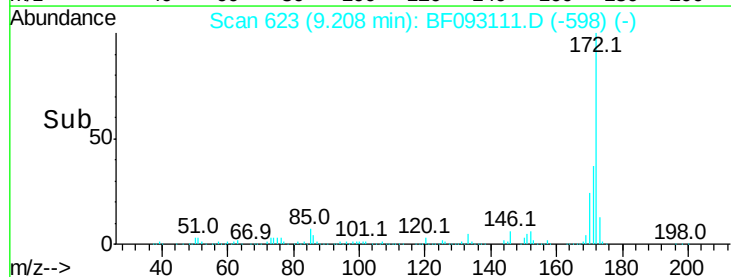
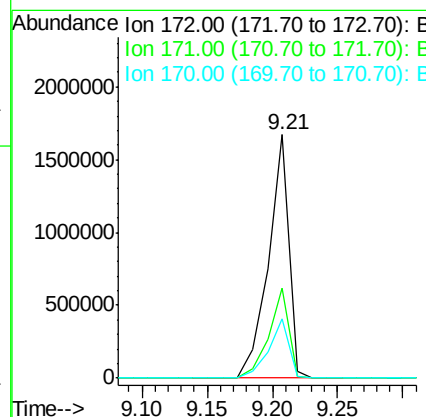
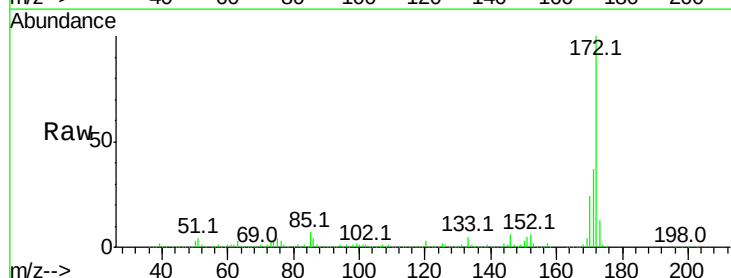
Manual Integrations
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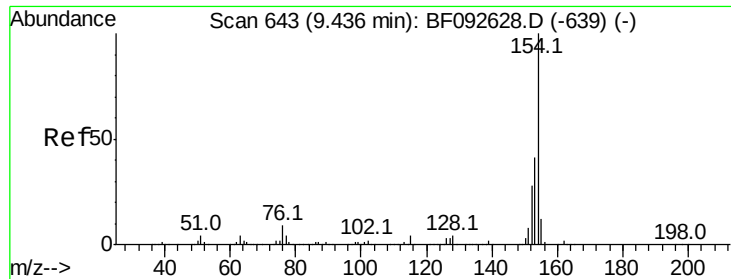
mohammad
 2/24/2017 2:11:10 PM



#44
 2-Fluorobiphenyl
 Concen: 108.43 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1831211		
171	36.8	29.4	44.0	
170	24.4	20.2	30.4	





#45

1,1'-Biphenyl

Concen: 52.79 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:154 Resp: 1169505

Ion Ratio Lower Upper

154 100

153 41.2 20.9 60.9

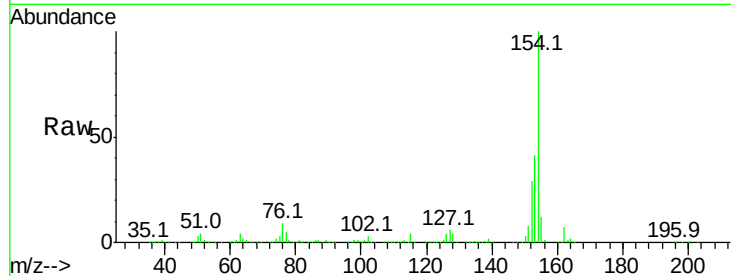
76 9.4 0.0 30.5

Manual Integrations

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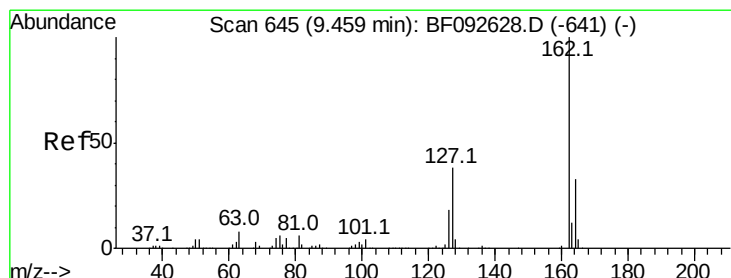
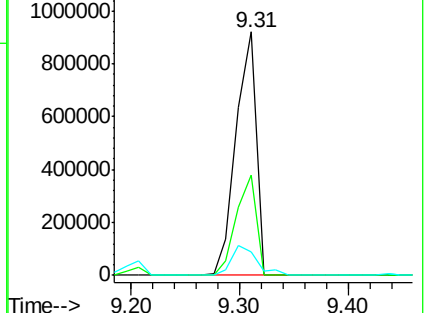
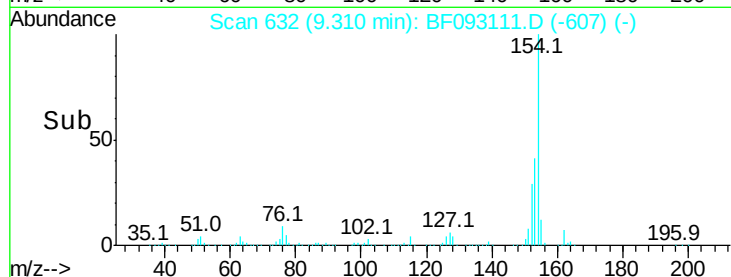
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 54.71 ng

RT: 9.33 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

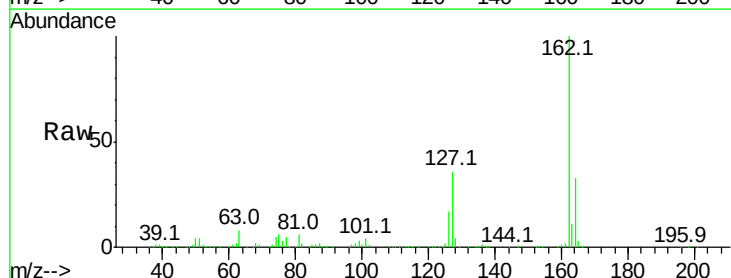
Tgt Ion:162 Resp: 948209

Ion Ratio Lower Upper

162 100

127 36.5 30.7 46.1

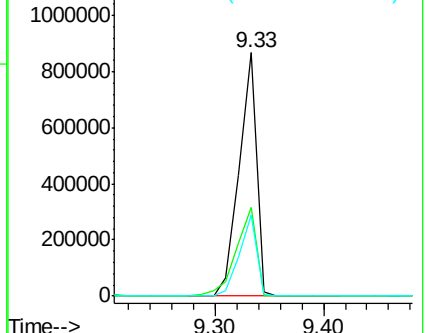
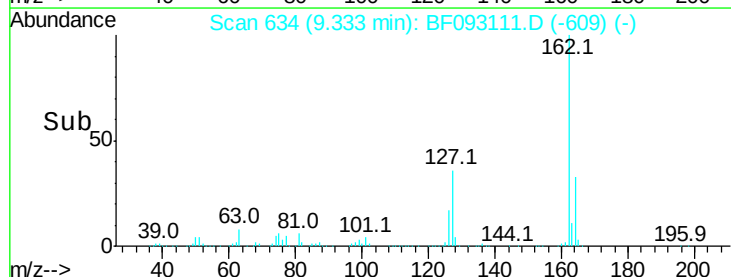
164 33.2 27.6 41.4

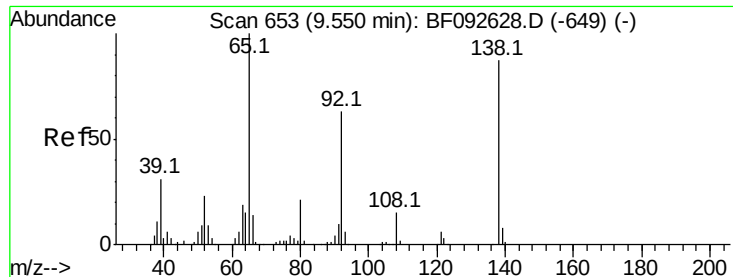


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





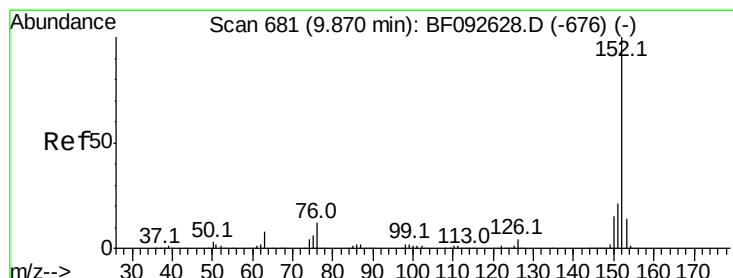
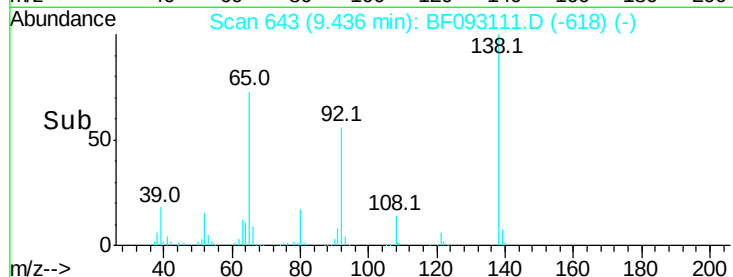
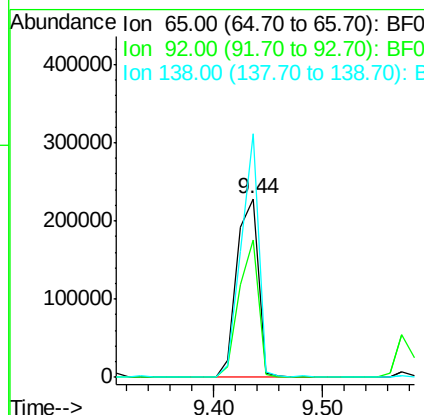
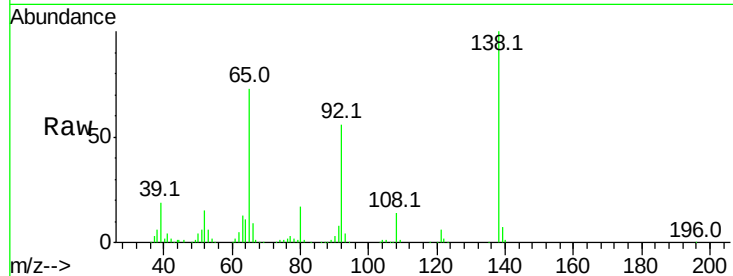
#47
2-Nitroaniline
Concen: 53.36 ng
RT: 9.44 min Scan# 643
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	76.9	53.9	80.9
138	136.1	76.8	115.2

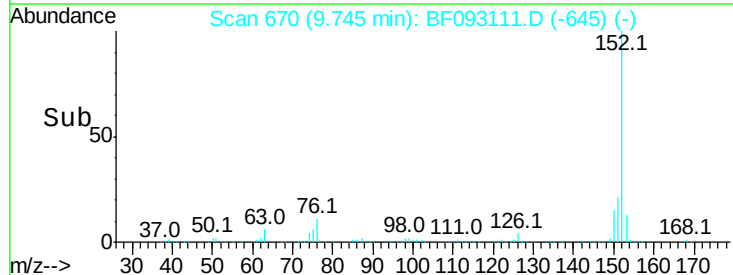
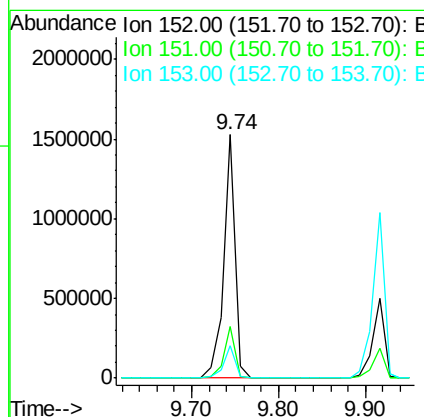
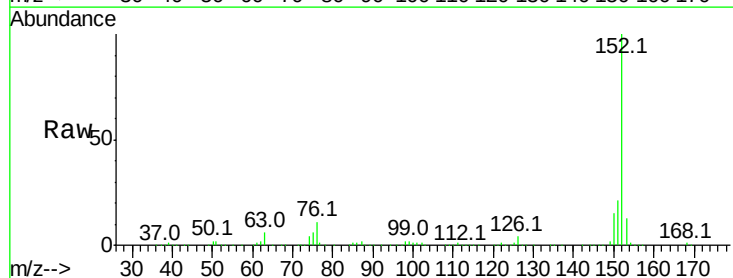
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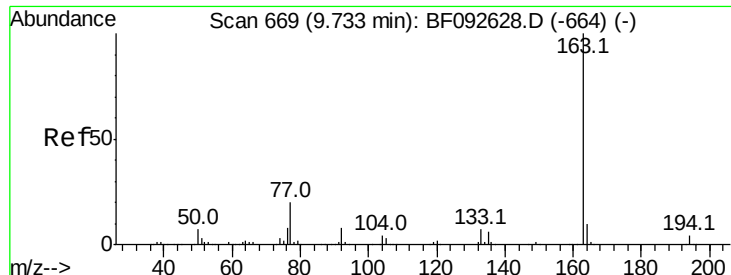
mohammad
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#48
Acenaphthylene
Concen: 47.24 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.9	25.3
153	13.3	11.4	17.2





#49

Dimethylphthalate

Concen: 59.55 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:163 Resp: 1227114

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

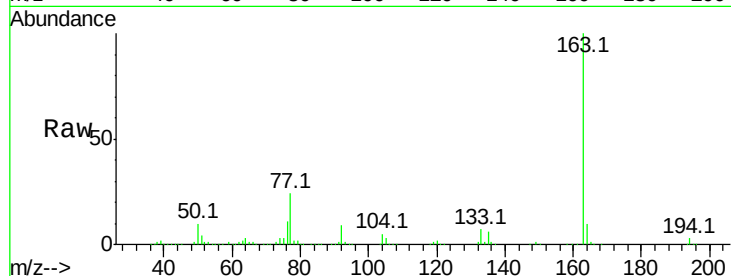
164 10.3 8.0 12.0

Manual Integrations

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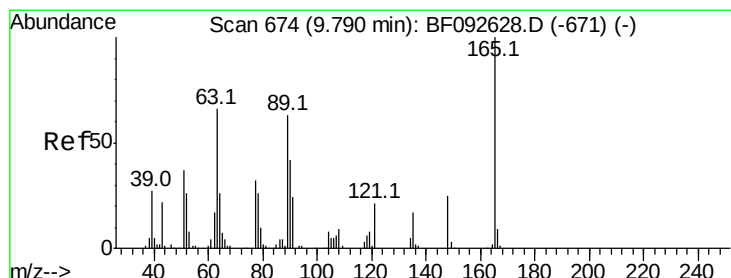
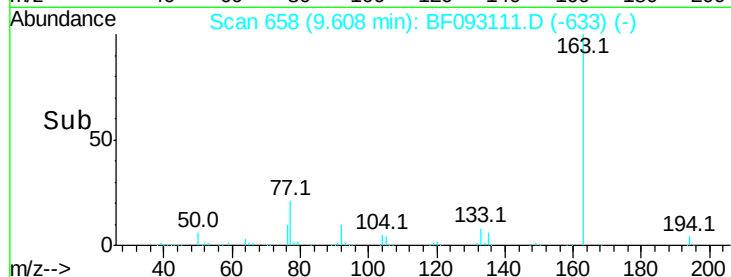
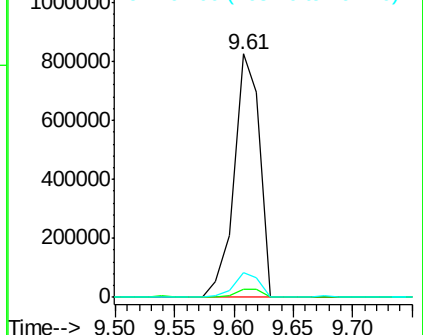
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 55.92 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:165 Resp: 248861

Ion Ratio Lower Upper

165 100

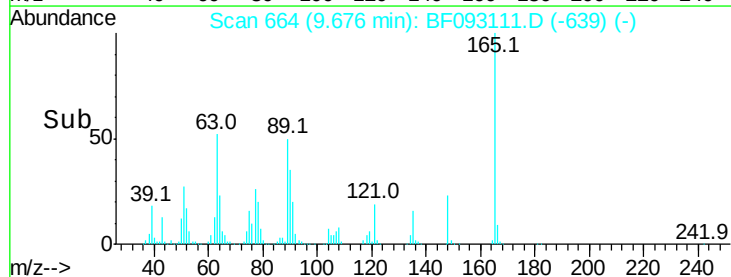
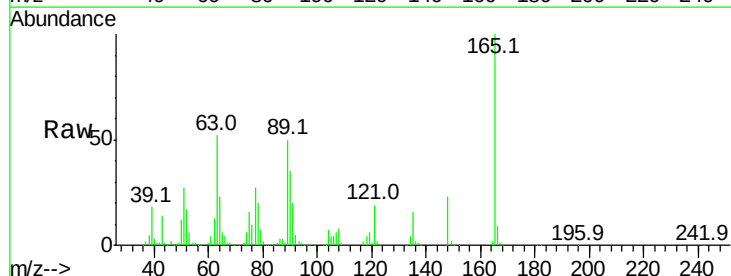
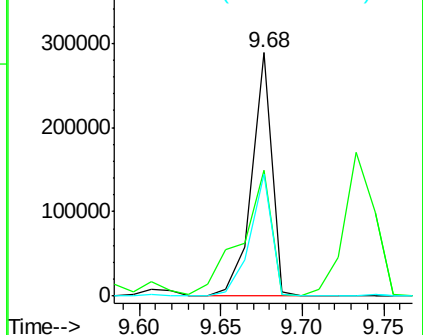
63 51.7 36.2 54.4

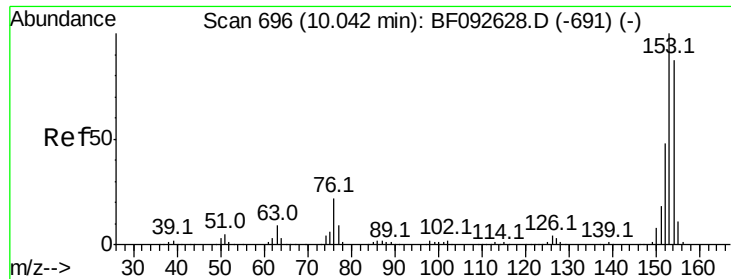
89 50.2 40.2 60.4

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: 47.21 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

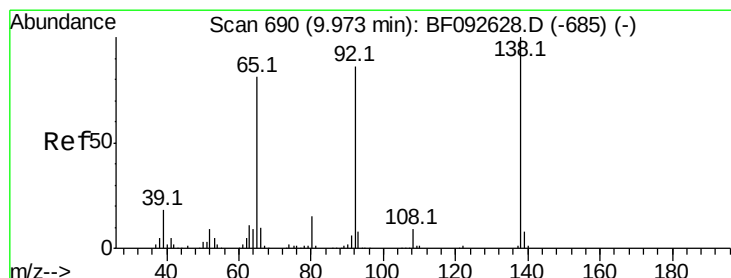
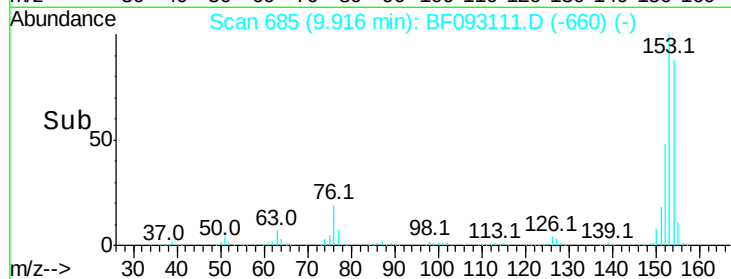
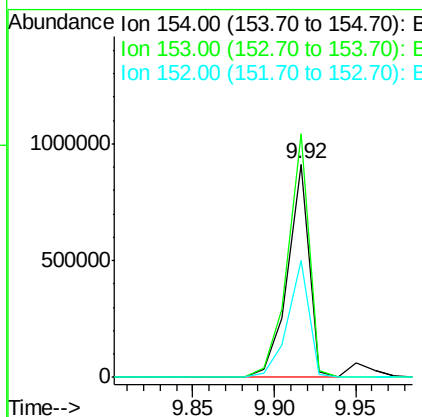
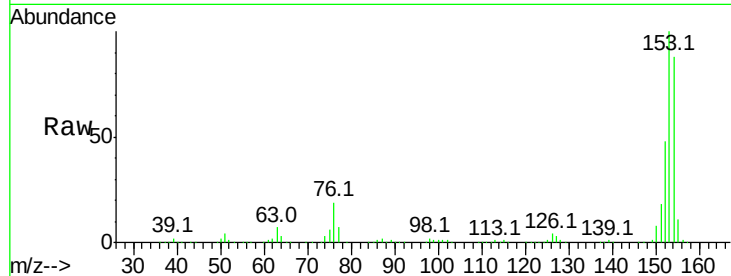
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:	154	Resp:	845011
Ion Ratio	Lower	Upper	
154	100		
153	114.2	88.6	133.0
152	54.7	41.6	62.4

Manual Integrations
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#52

3-Nitroaniline

Concen: 36.48 ng

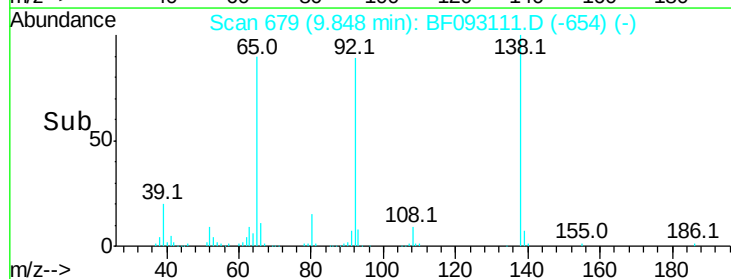
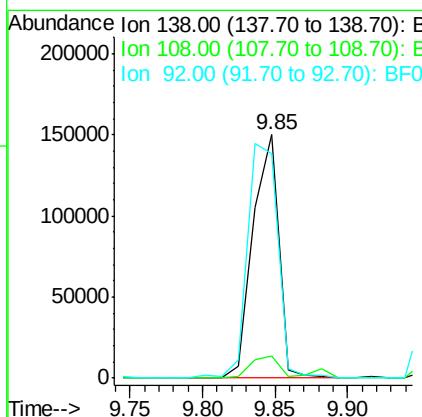
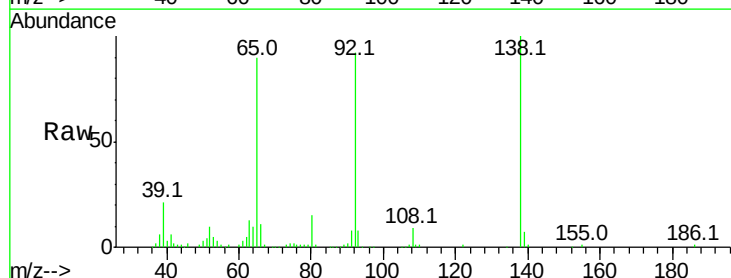
RT: 9.85 min Scan# 679

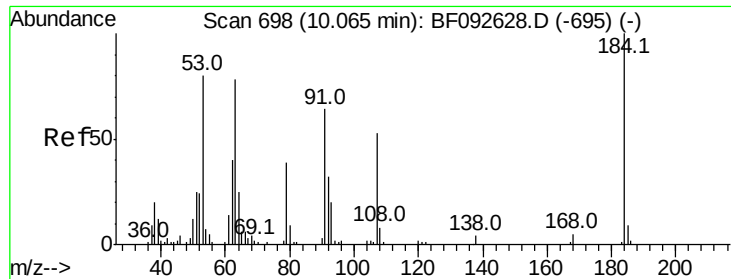
Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:	138	Resp:	185822
Ion Ratio	Lower	Upper	
138	100		
108	9.3	8.5	12.7
92	92.2	97.8	146.8#





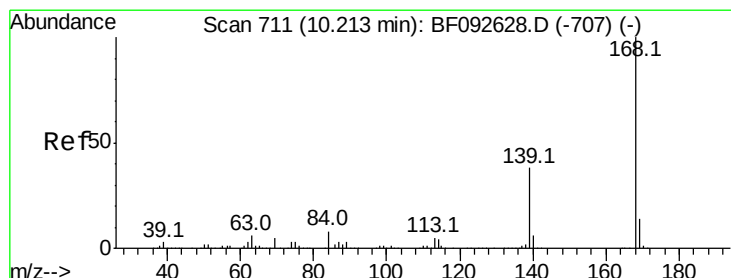
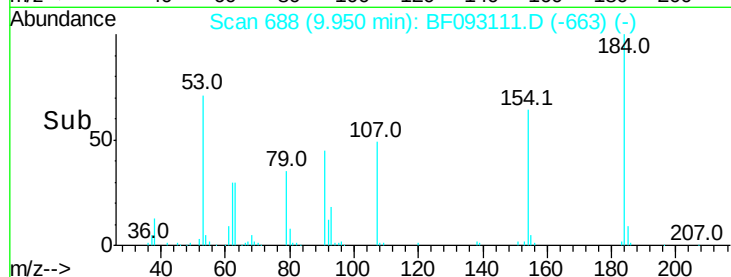
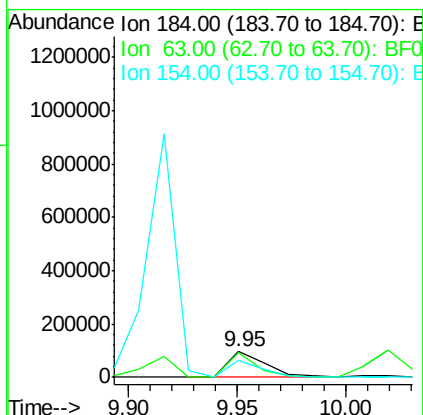
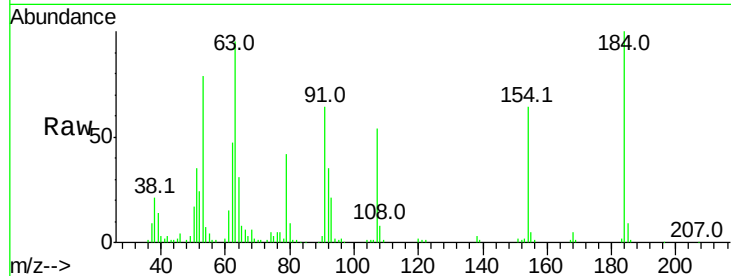
#53
2,4-Dinitrophenol
Concen: 53.48 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion:184 Resp: 117297
Ion Ratio Lower Upper
184 100
63 95.0 28.4 42.6#
154 64.3 44.3 66.5

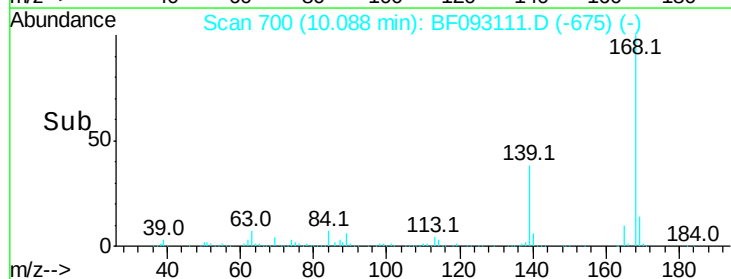
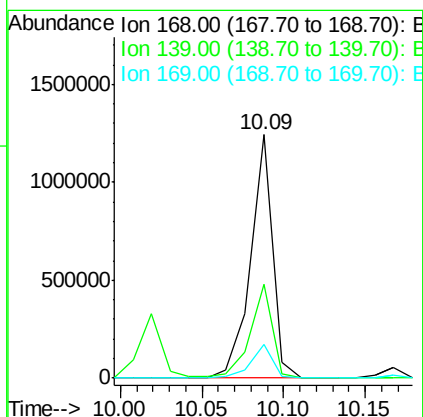
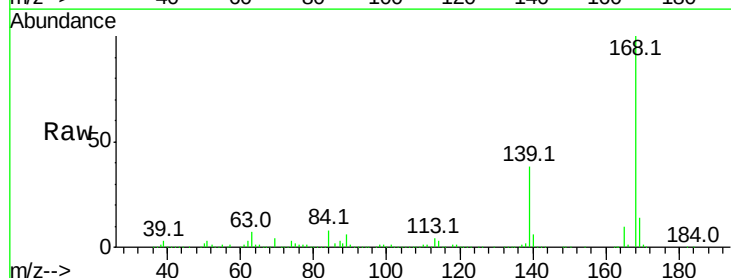
Manual Integrations
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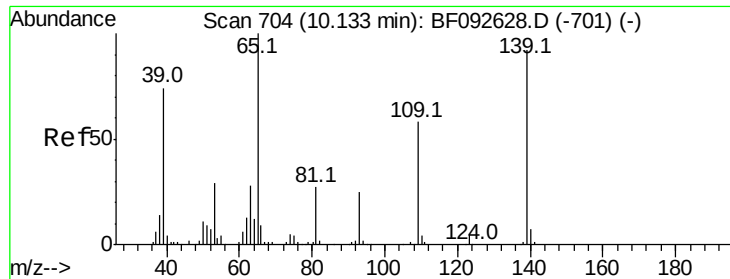
mohammad
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#54
Dibenzofuran
Concen: 48.48 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion:168 Resp: 1160803
Ion Ratio Lower Upper
168 100
139 38.3 32.6 49.0
169 13.7 11.3 16.9





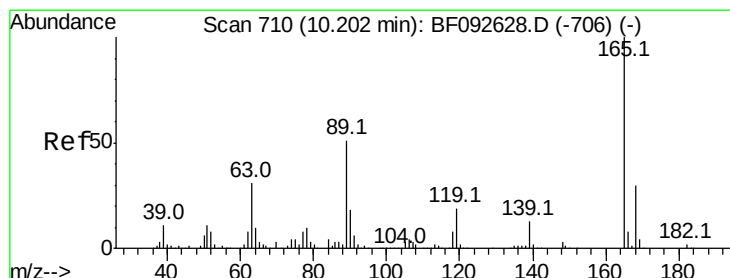
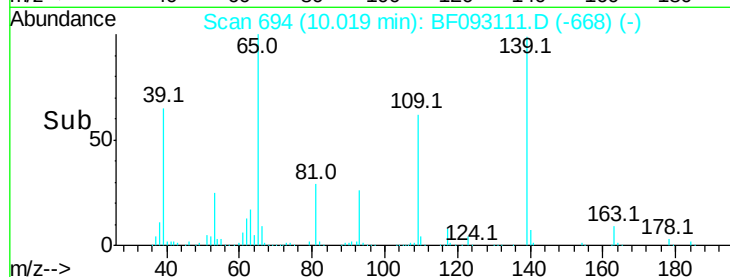
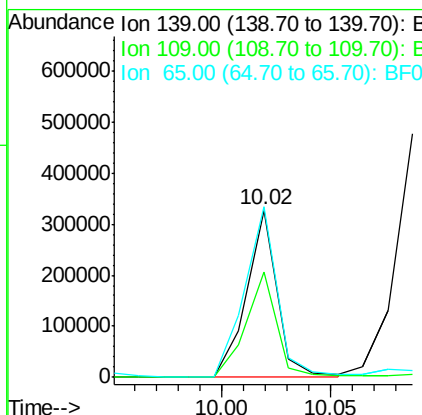
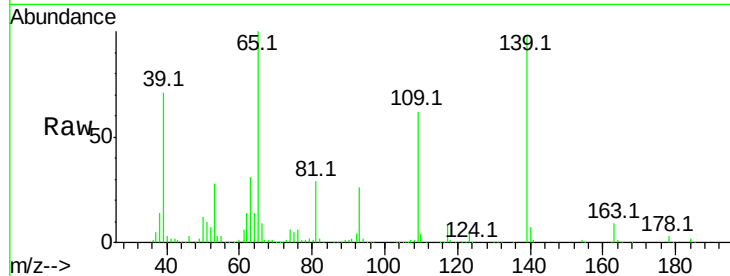
#55
4-Nitrophenol
Concen: 88.04 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion:139 Resp: 322945
Ion Ratio Lower Upper
139 100
109 62.8 52.2 92.2
65 102.0 85.8 125.8

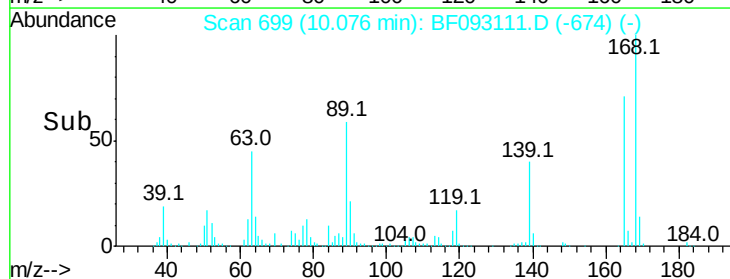
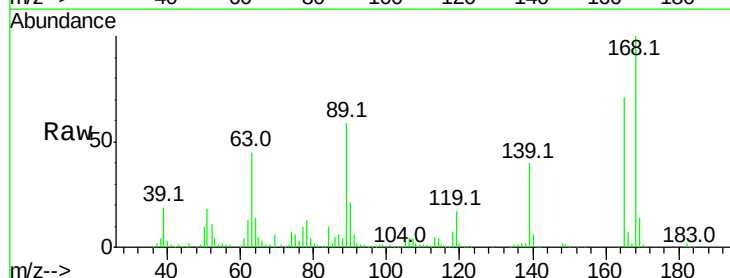
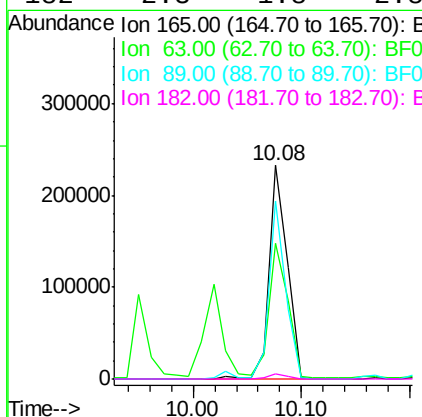
Manual Integrations
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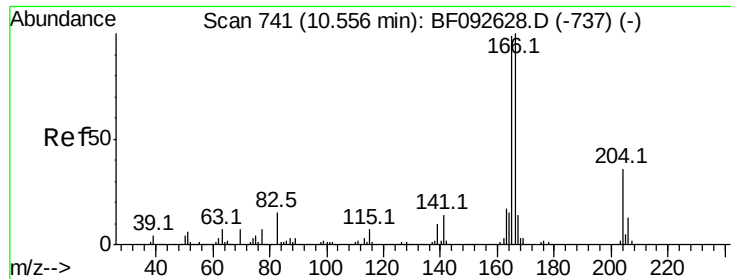
mohammad
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#56
2,4-Dinitrotoluene
Concen: 45.16 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion:165 Resp: 267576
Ion Ratio Lower Upper
165 100
63 63.5 40.2 60.4#
89 83.0 62.5 93.7
182 2.3 1.8 2.8





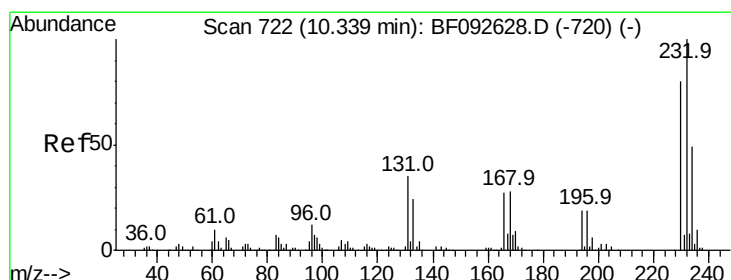
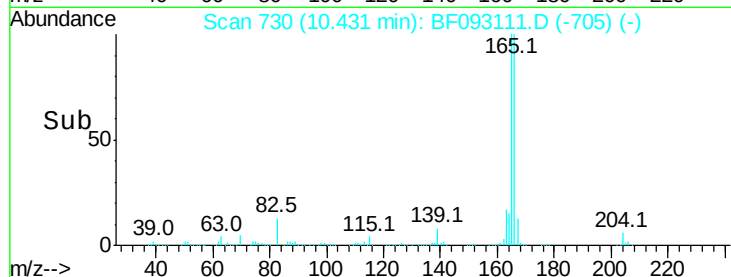
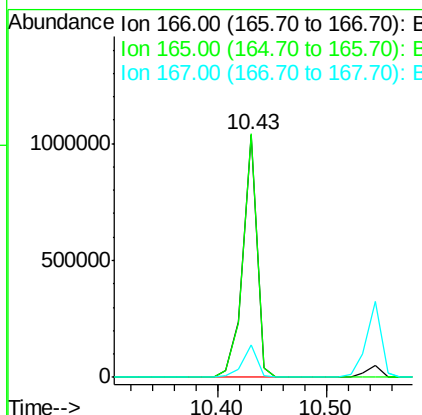
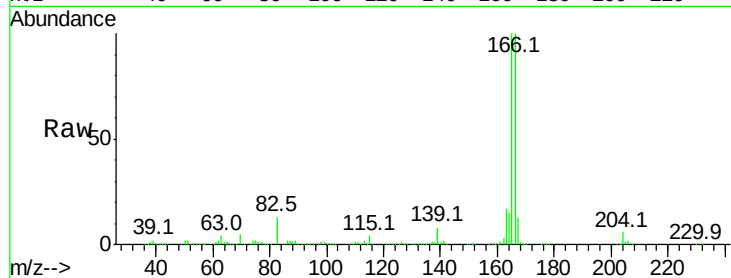
#57
Fluorene
Concen: 50.43 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.3	77.8	116.8	
167	13.4	10.8	16.2	

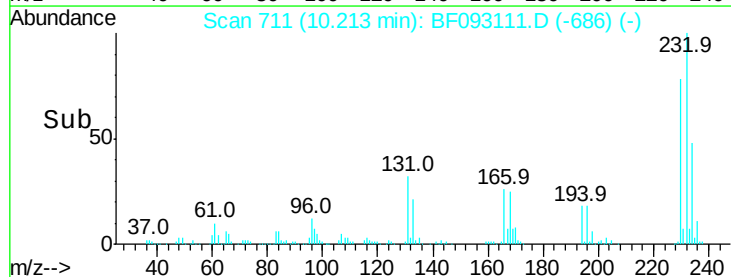
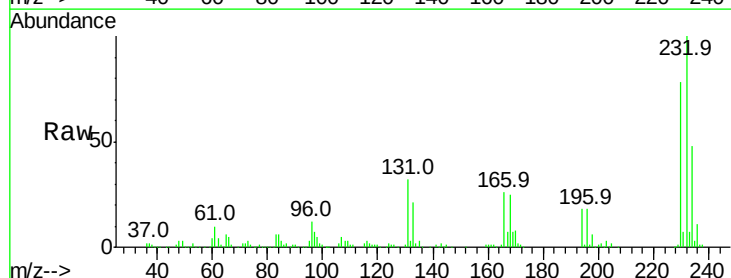
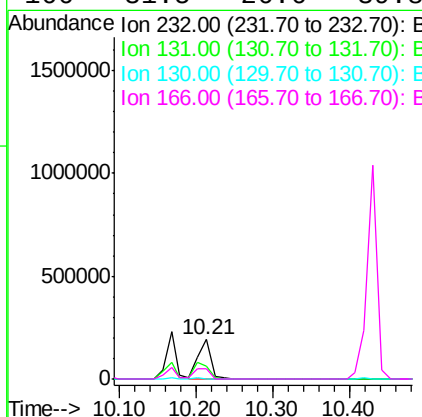
Manual Integrations
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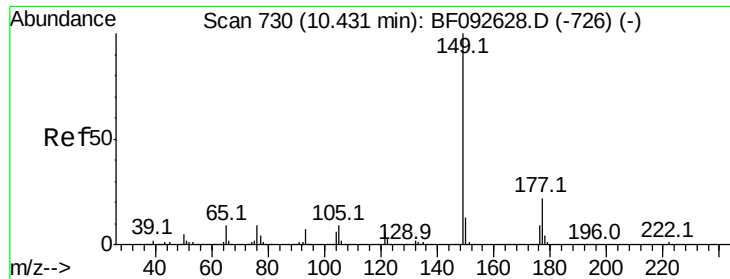
mohammad
2/24/2017 2:11:10 PM



#58
2,3,4,6-Tetrachlorophenol
Concen: 54.07 ng
RT: 10.21 min Scan# 711
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	46.7	40.1	60.1	
130	2.1	1.8	2.8	
166	31.5	26.6	39.8	





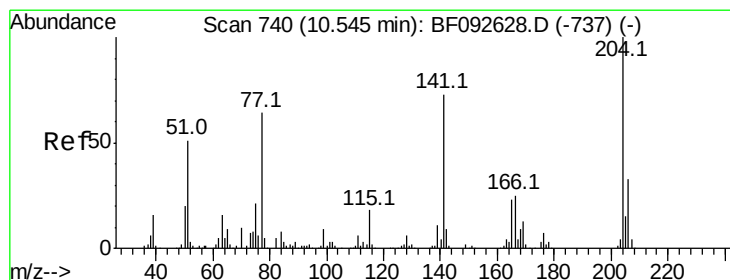
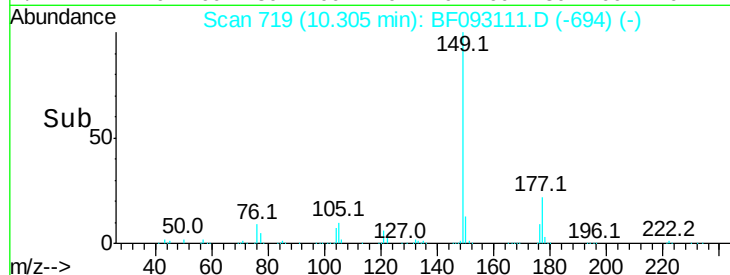
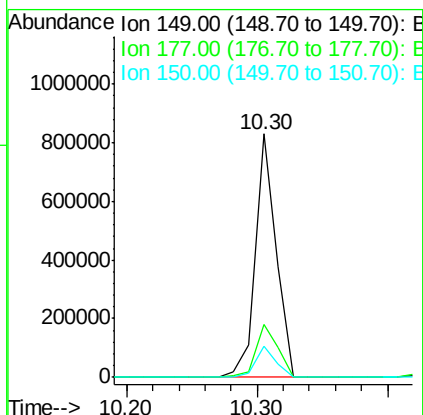
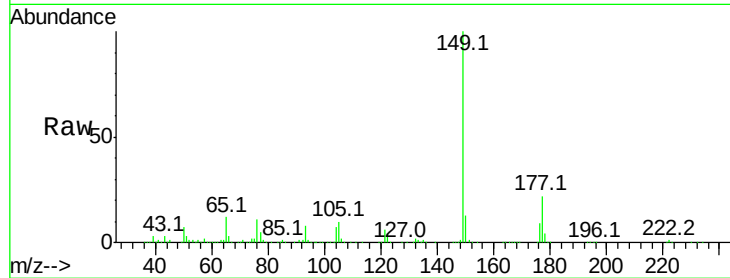
#59
Diethylphthalate
Concen: 47.17 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	916155		
177	21.5	16.6	25.0	
150	12.9	10.4	15.6	

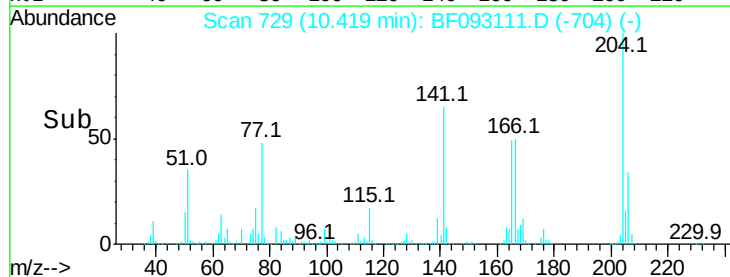
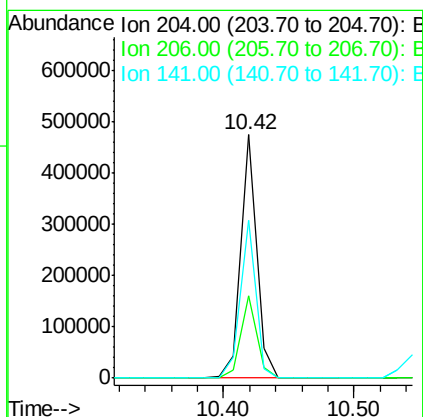
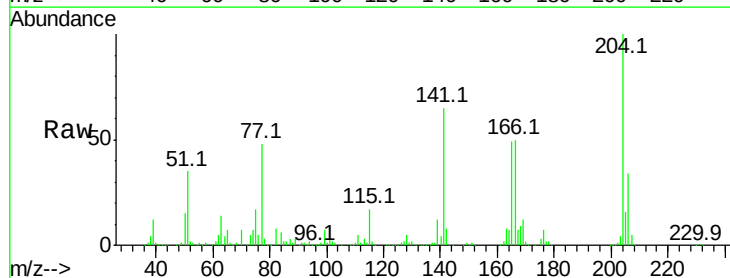
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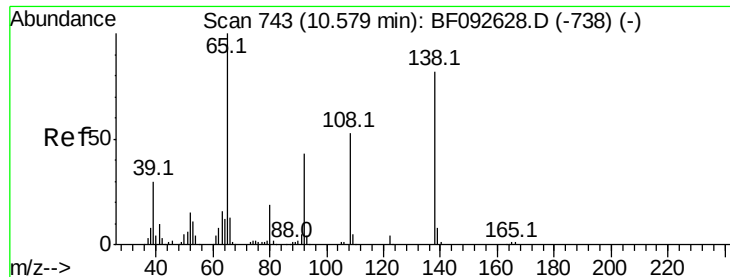
mohammad
2/24/2017 2:11:10 PM



#60
4-Chlorophenyl-phenylether
Concen: 45.07 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	398802		
206	33.9	25.8	38.6	
141	64.6	59.4	89.0	





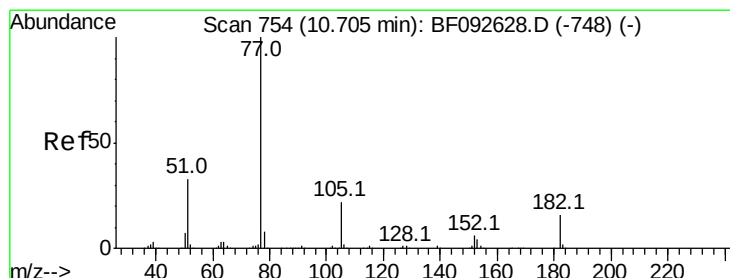
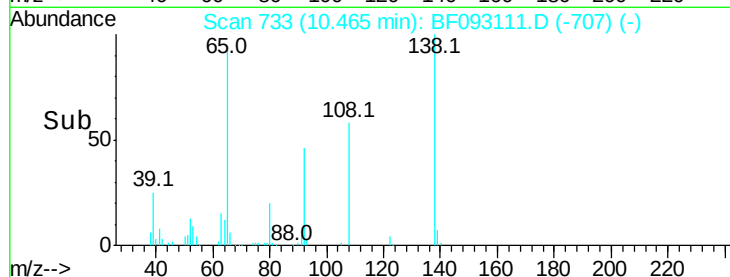
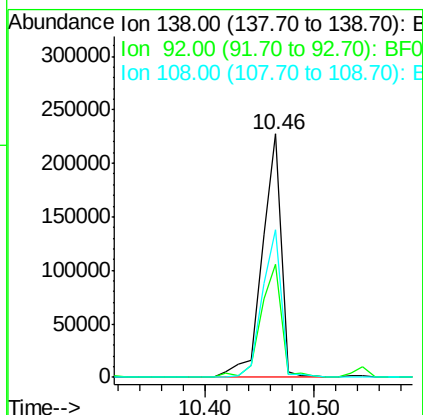
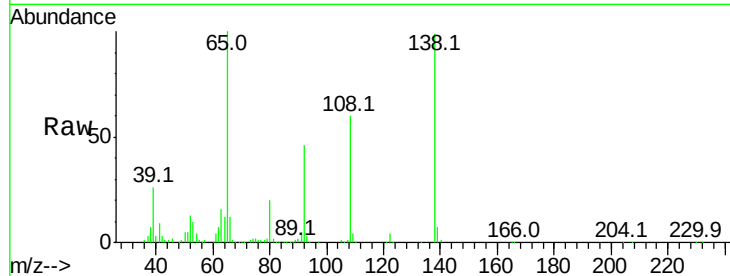
#61
4-Nitroaniline
Concen: 53.27 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.7	31.7	71.7
108	60.8	52.6	92.6

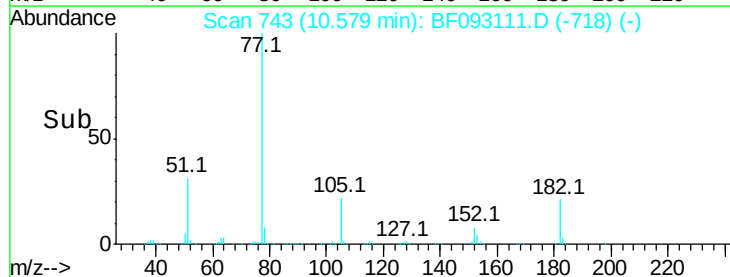
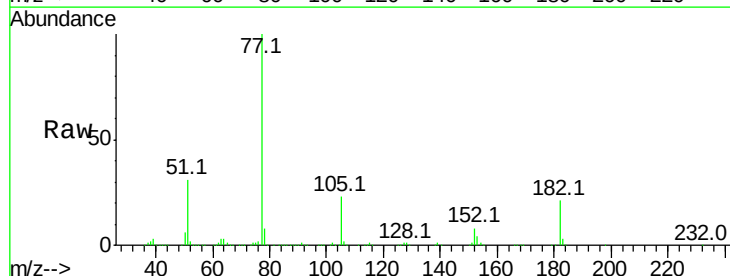
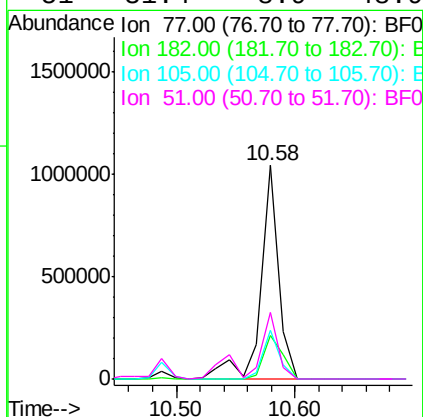
Manual Integrations
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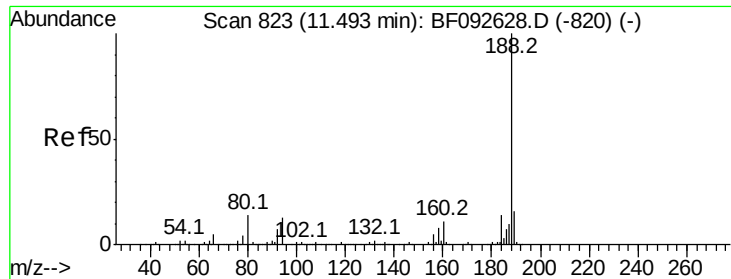
mohammad
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#62
Azobenzene
Concen: 54.63 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.6	0.0	39.3
105	22.9	2.3	42.3
51	31.4	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

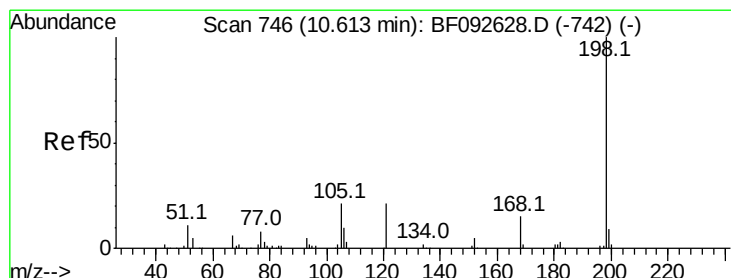
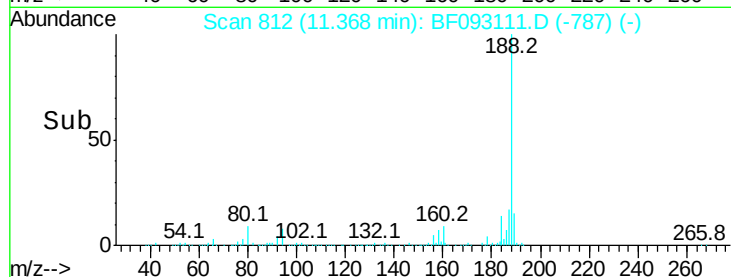
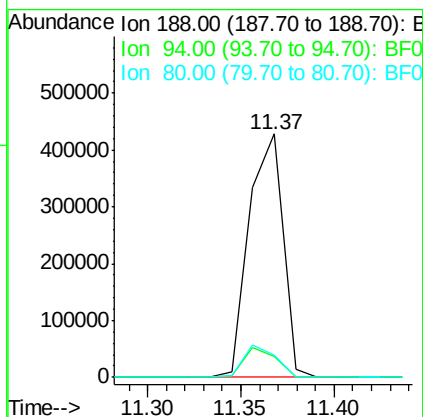
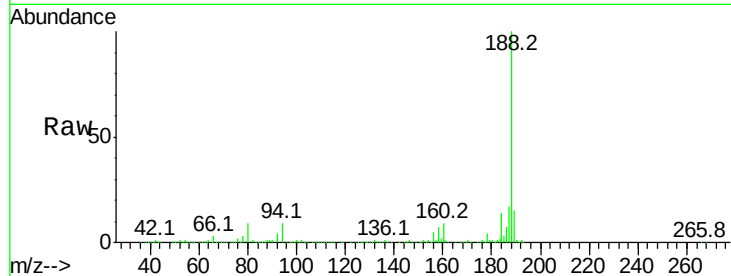
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:188	Resp:	541395
Ion Ratio	Lower	Upper
188 100		
94 8.5	10.0	15.0#
80 8.9	11.2	16.8#

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#64

4,6-Dinitro-2-methylphenol

Concen: 44.24 ng

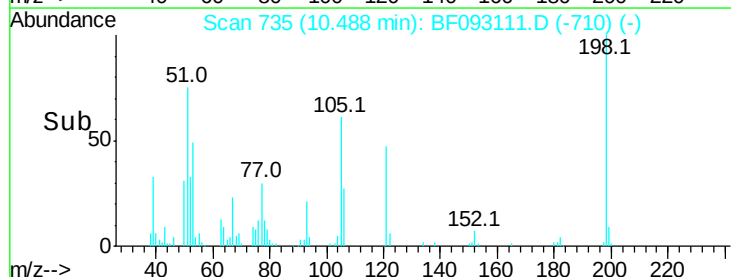
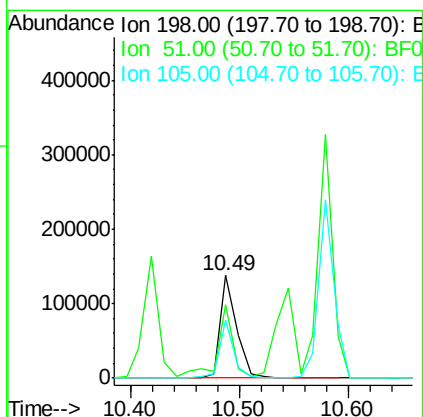
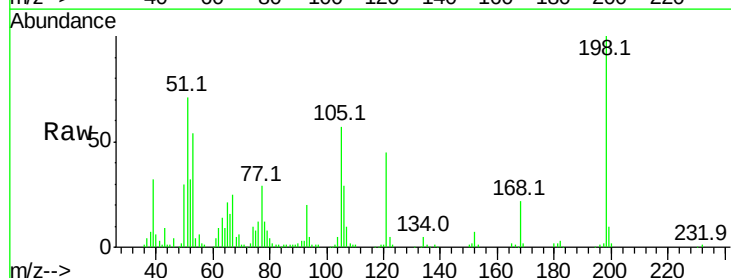
RT: 10.49 min Scan# 735

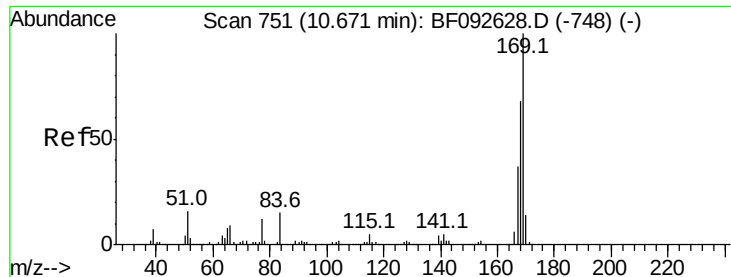
Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:198	Resp:	145063
Ion Ratio	Lower	Upper
198 100		
51 70.9	6.7	46.7#
105 57.0	16.6	56.6#





#65

n-Nitrosodiphenylamine

Concen: 48.43 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

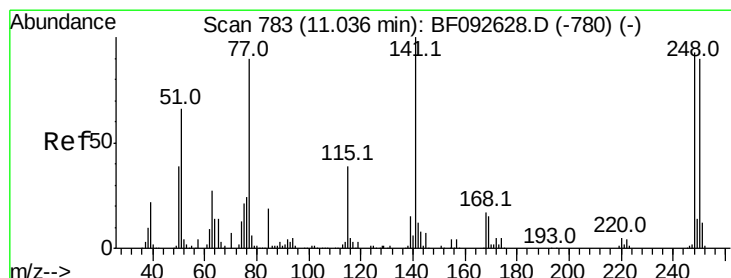
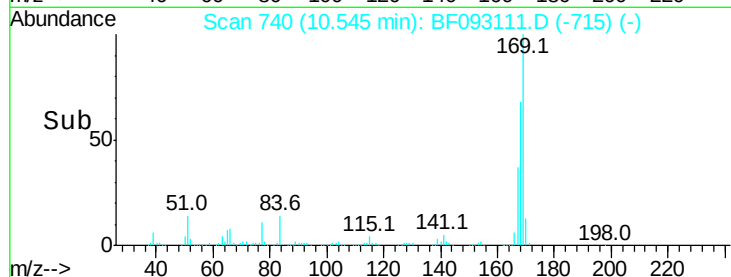
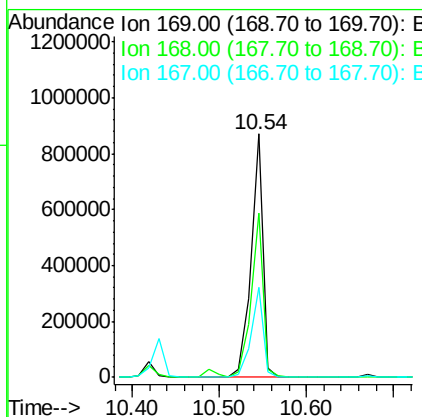
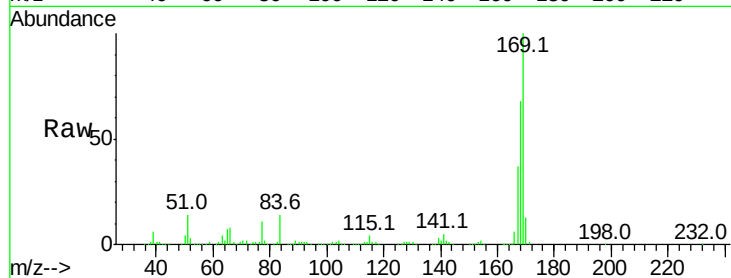
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:	169	Resp:	837632
Ion Ratio	Lower	Upper	
169	100		
168	67.7	54.2	81.2
167	37.1	30.2	45.4

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#66

4-Bromophenyl-phenylether

Concen: 45.97 ng

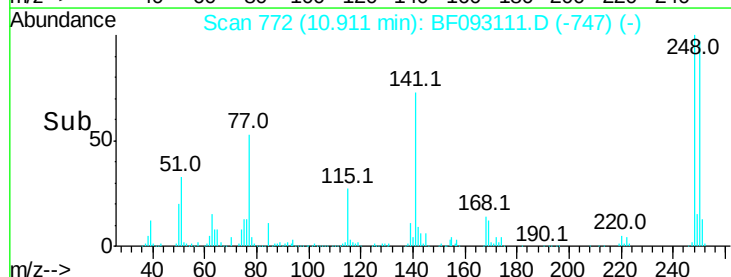
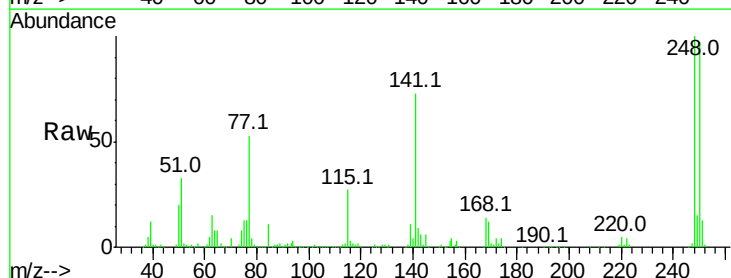
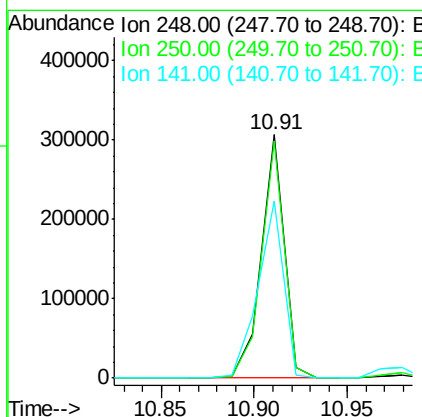
RT: 10.91 min Scan# 772

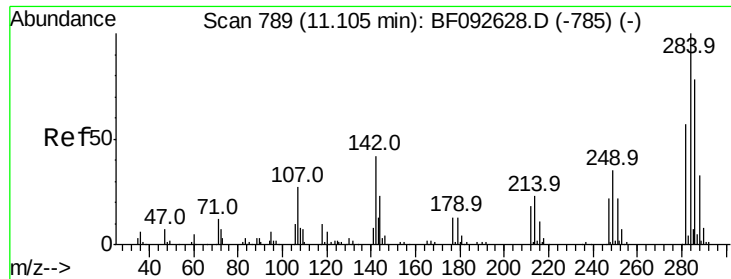
Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:	248	Resp:	260020
Ion Ratio	Lower	Upper	
248	100		
250	97.3	76.9	115.3
141	72.8	68.2	102.4





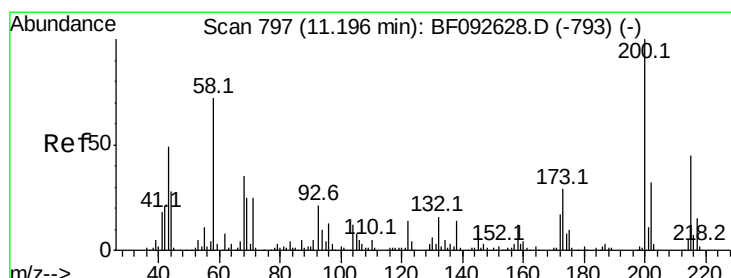
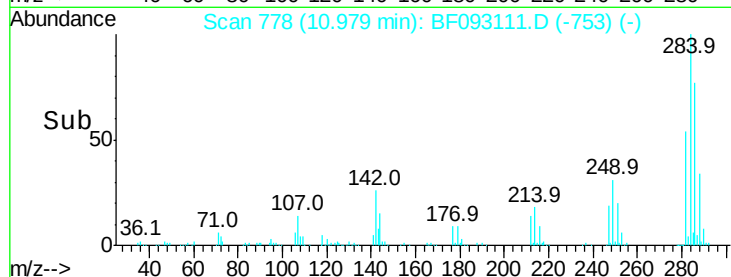
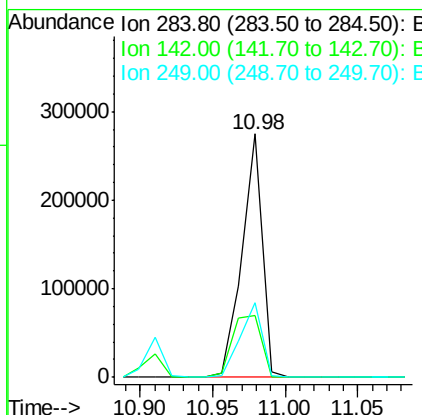
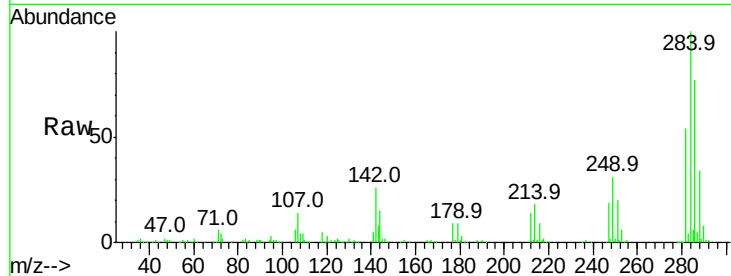
#67
Hexachlorobenzene
Concen: 47.80 ng
RT: 10.98 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	267161		
142	25.5	22.6	33.8	
249	30.9	25.4	38.0	

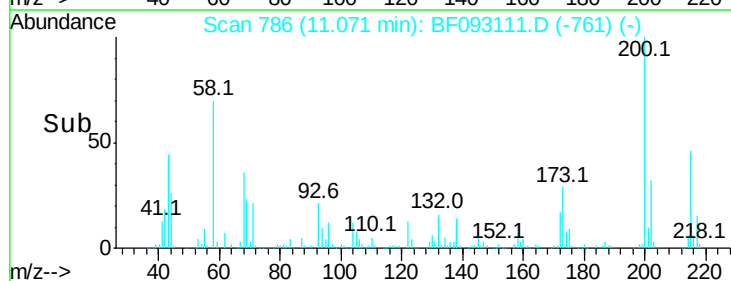
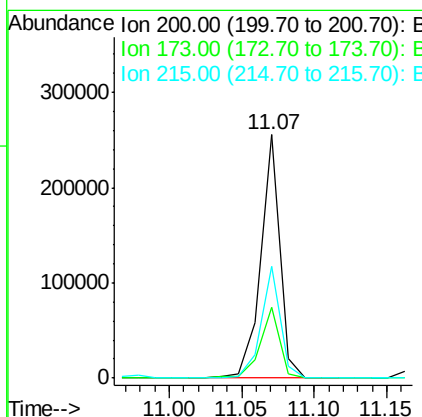
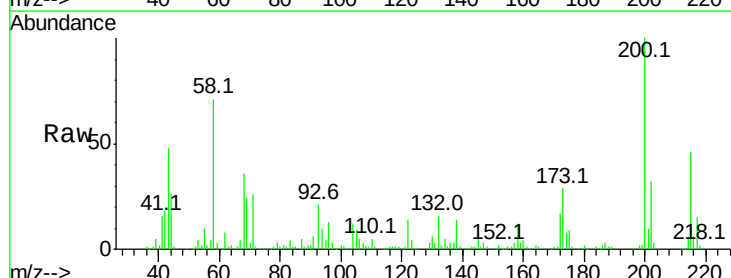
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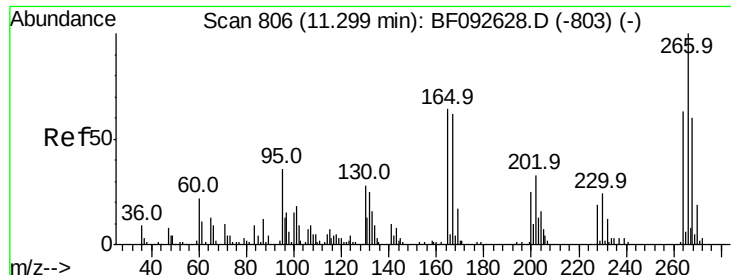
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#68
Atrazine
Concen: 42.10 ng
RT: 11.07 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	233641		
173	28.9	9.6	49.6	
215	46.1	25.7	65.7	





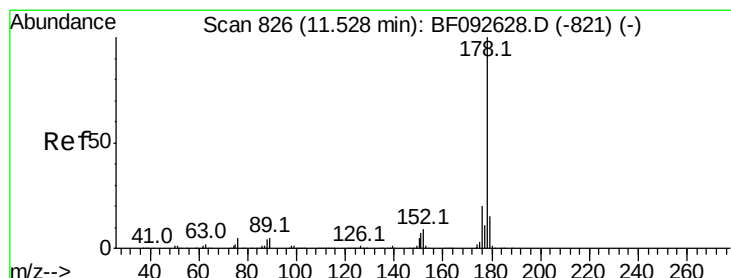
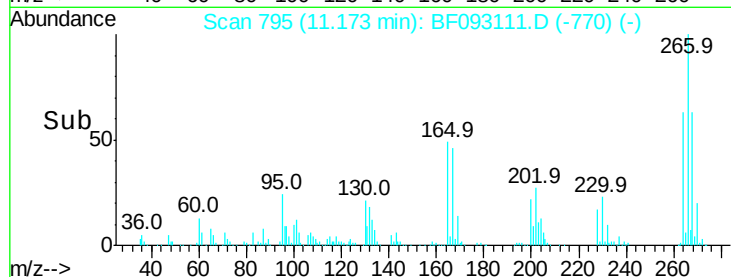
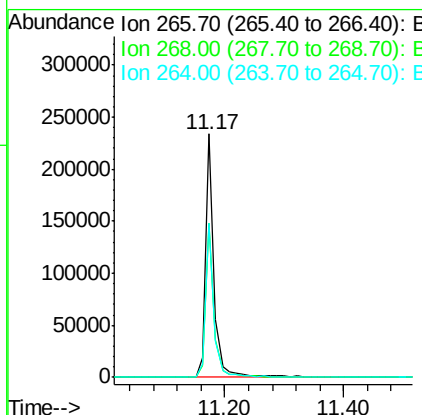
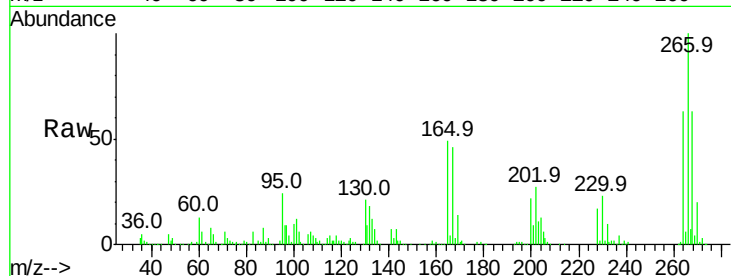
#69
 Pentachlorophenol
 Concen: 81.97 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	237080		
268	63.4	53.3	79.9	
264	63.2	50.3	75.5	

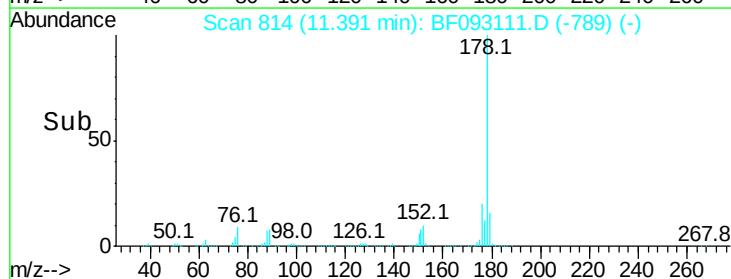
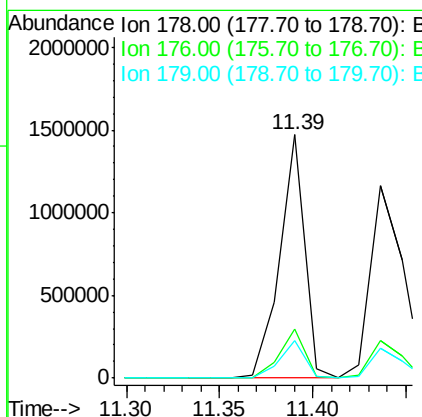
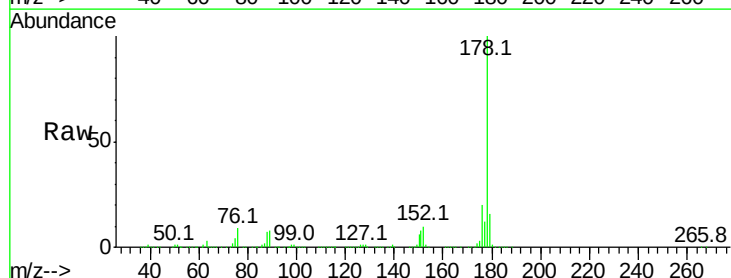
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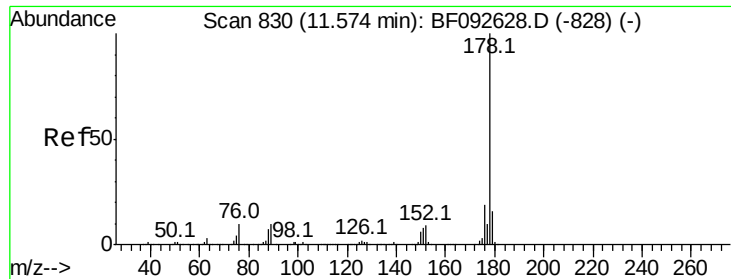
mohammad
 2/24/2017 2:11:10 PM



#70
 Phenanthrene
 Concen: 44.47 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1379277		
176	20.3	16.6	25.0	
179	15.7	12.8	19.2	





#71

Anthracene

Concen: 43.62 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:178 Resp: 1358603

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

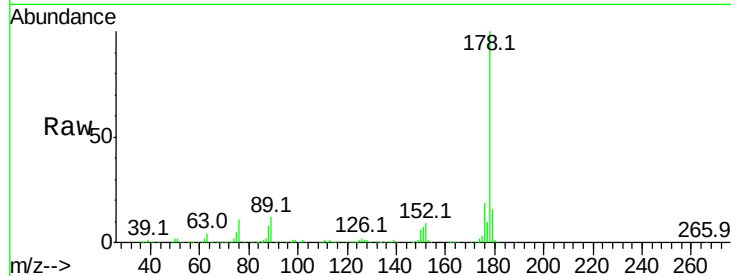
179 15.8 13.2 19.8

Manual Integrations

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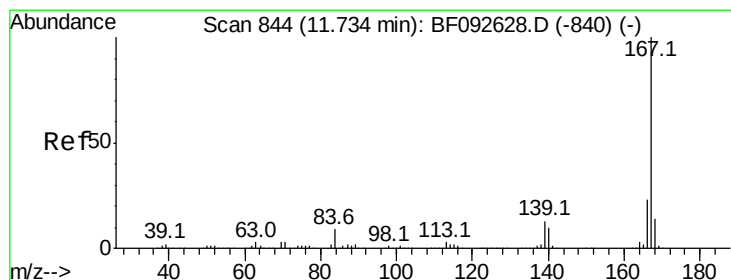
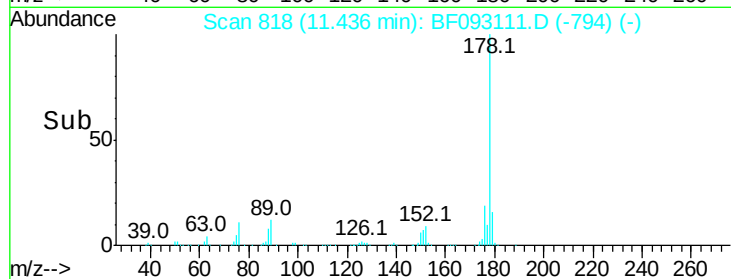
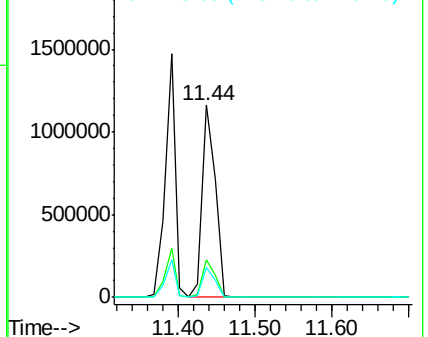
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.03 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

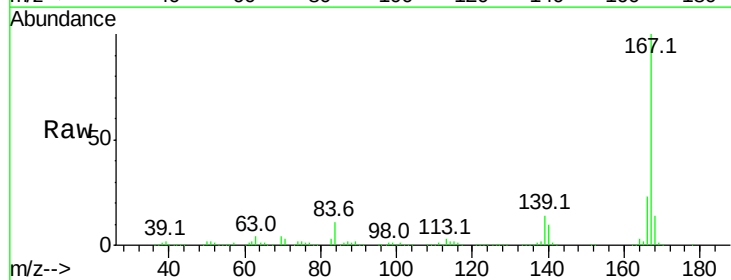
Tgt Ion:167 Resp: 1162245

Ion Ratio Lower Upper

167 100

166 22.5 18.2 27.2

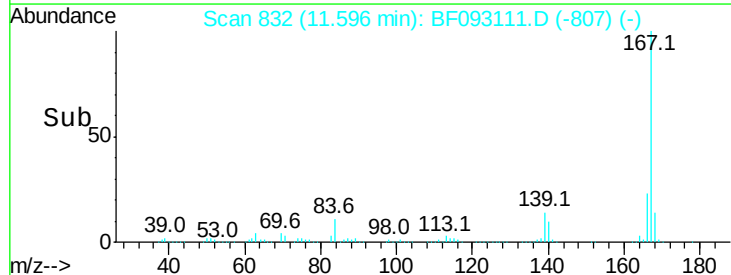
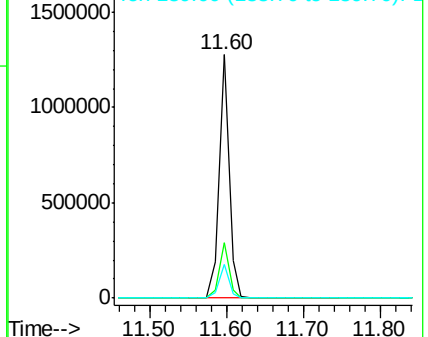
139 13.6 11.4 17.2

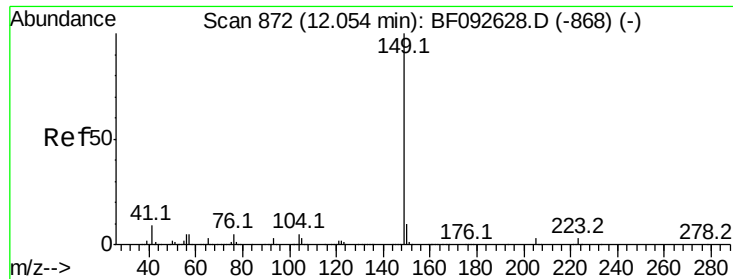


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 50.26 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:149 Resp: 1618323

Ion Ratio Lower Upper

149 100

150 9.3 8.1 12.1

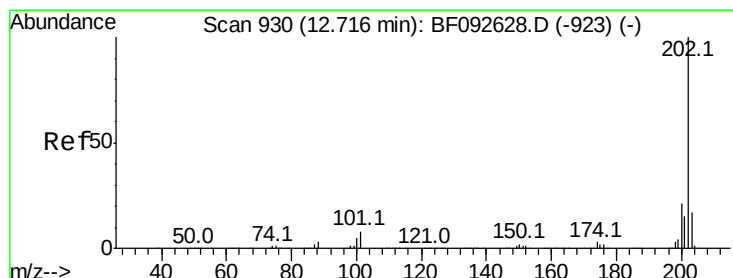
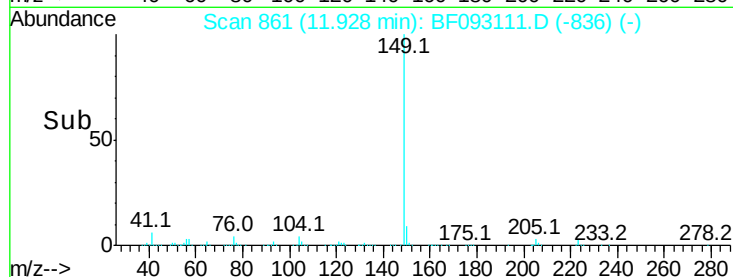
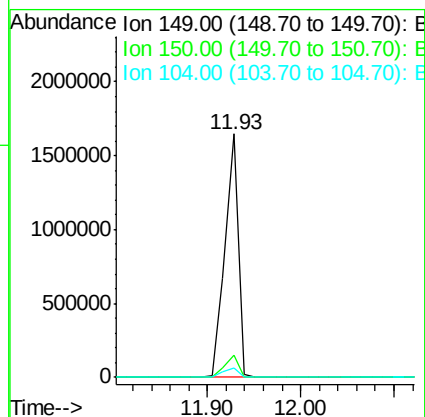
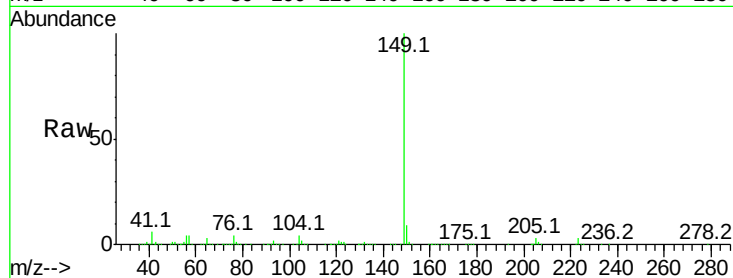
104 3.9 4.6 7.0#

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#74

Fluoranthene

Concen: 44.45 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

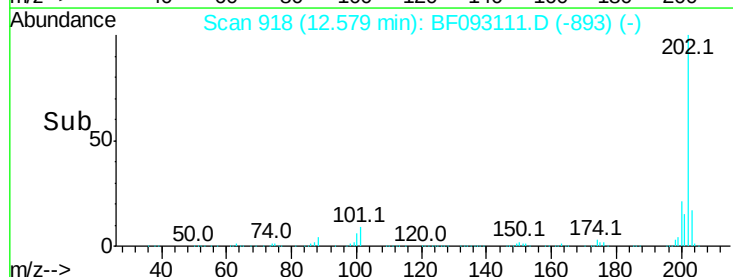
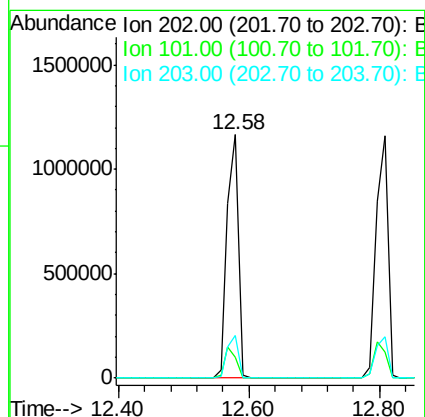
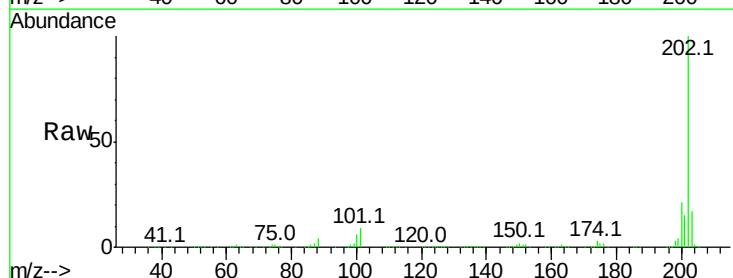
Tgt Ion:202 Resp: 1422176

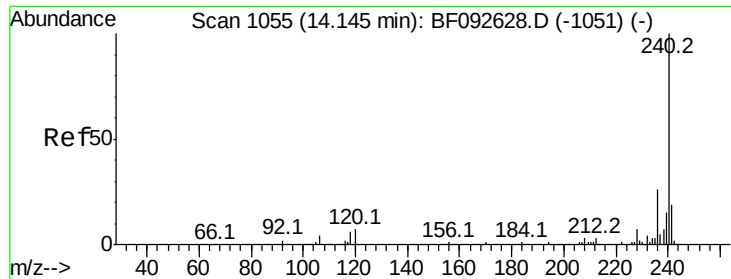
Ion Ratio Lower Upper

202 100

101 8.6 0.0 34.6

203 17.5 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

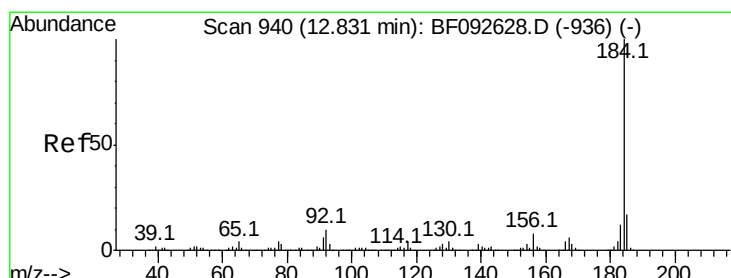
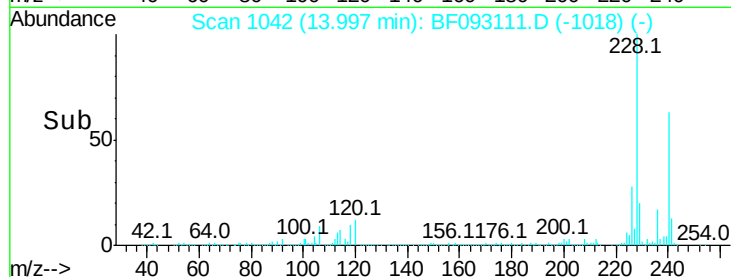
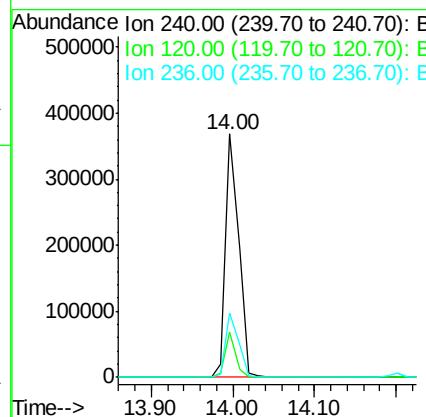
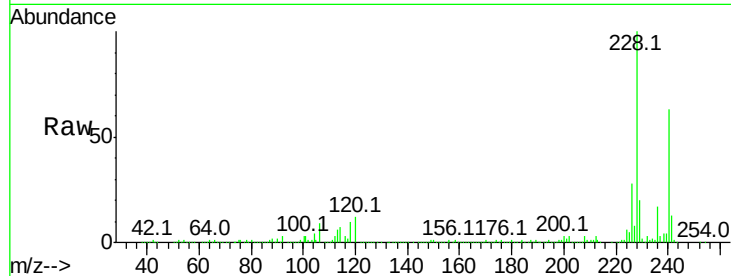
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:	240	Resp:	407292
Ion Ratio	Lower	Upper	
240	100		
120	18.7	12.9	19.3
236	26.4	20.9	31.3

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#76

Benzidine

Concen: 24.80 ng

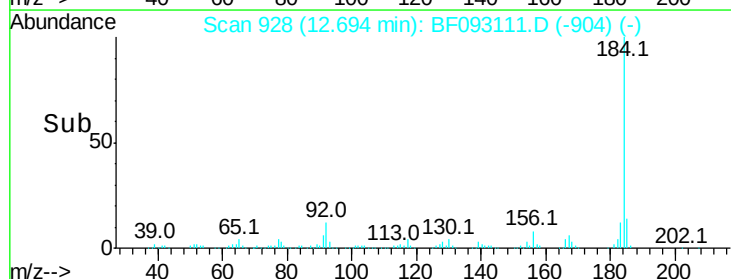
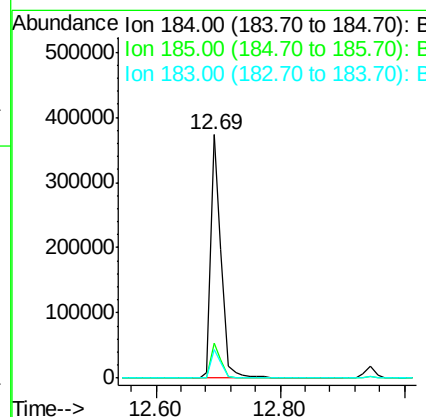
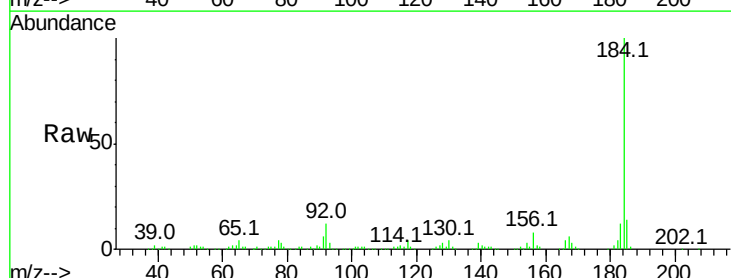
RT: 12.69 min Scan# 928

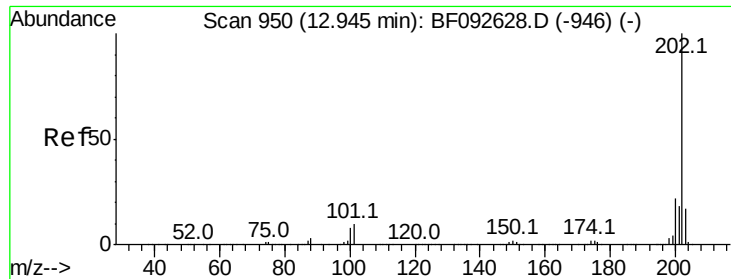
Delta R.T. -0.02 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:	184	Resp:	430457
Ion Ratio	Lower	Upper	
184	100		
185	14.5	13.4	20.0
183	11.7	9.2	13.8





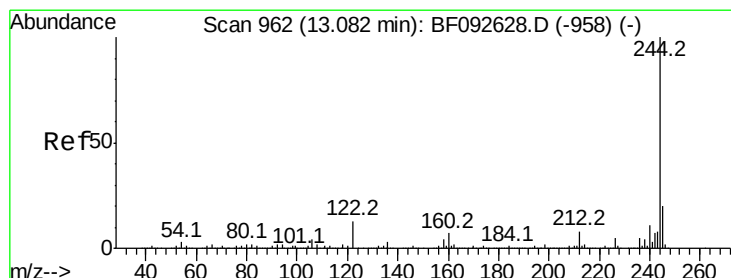
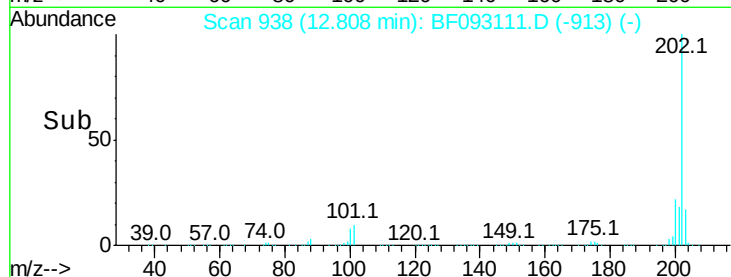
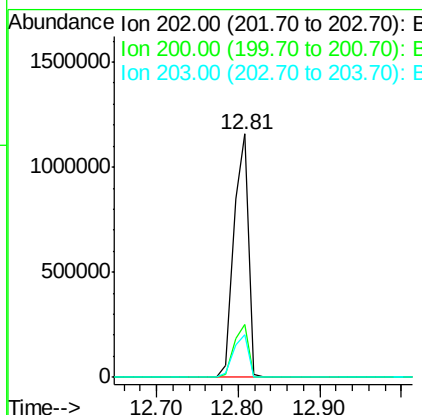
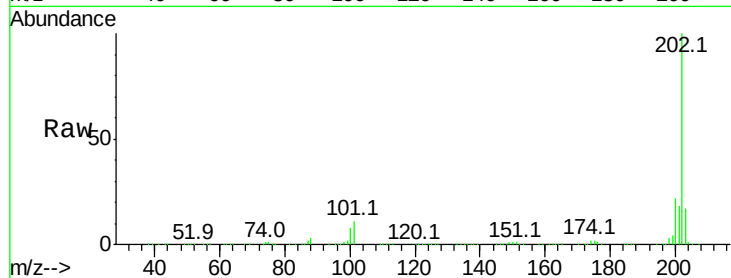
#77
Pvrene
Concen: 46.97 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion:202 Resp: 1431766
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 17.3 14.7 22.1

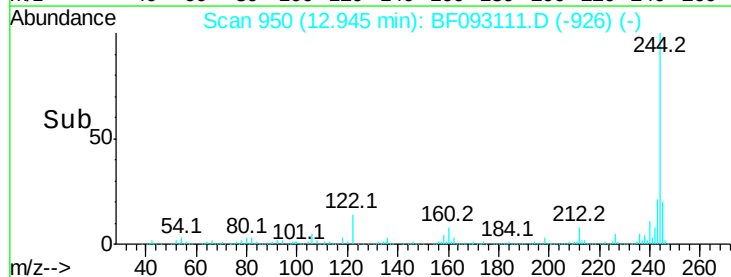
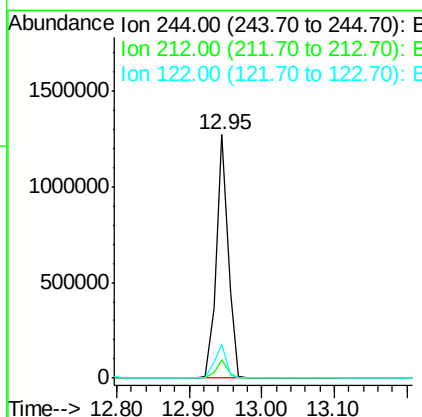
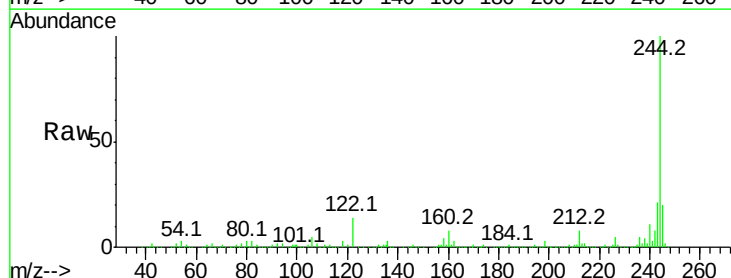
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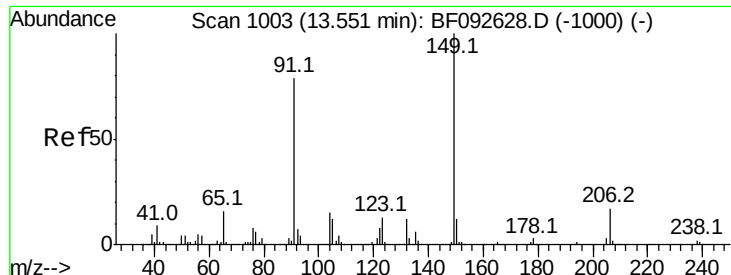
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#78
Terphenyl-d14
Concen: 83.35 ng
RT: 12.95 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion:244 Resp: 1444860
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 13.7 11.4 17.2





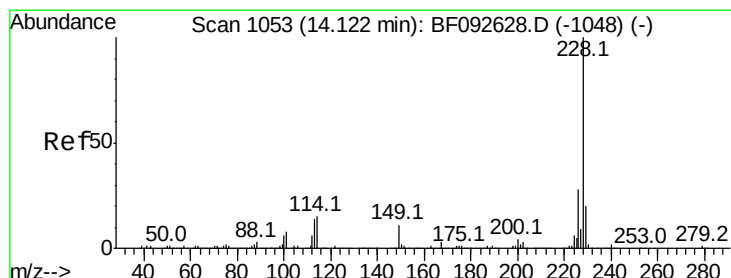
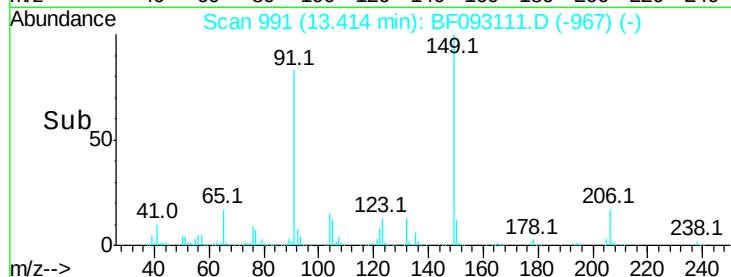
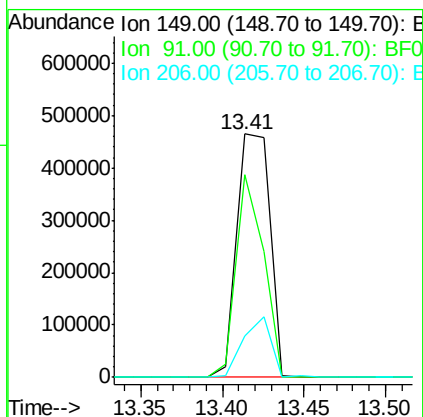
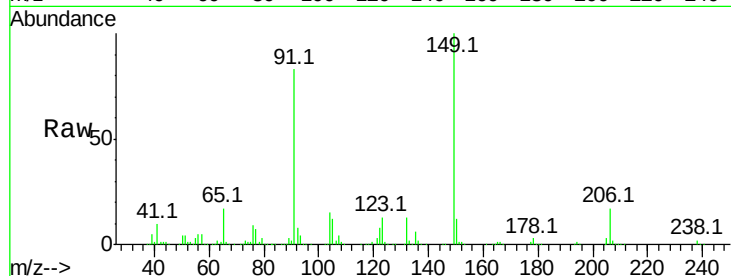
#79
Butylbenzylphthalate
Concen: 52.52 ng
RT: 13.41 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	650118		
91	83.5	63.9	95.9	
206	17.1	14.6	21.8	

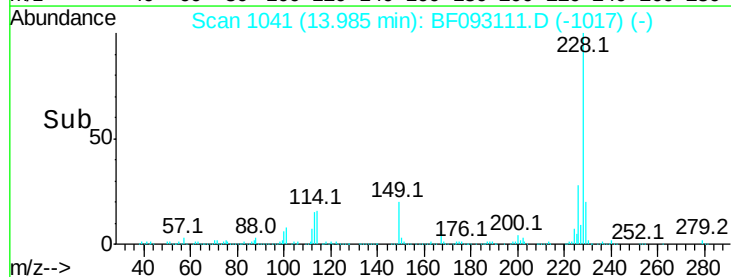
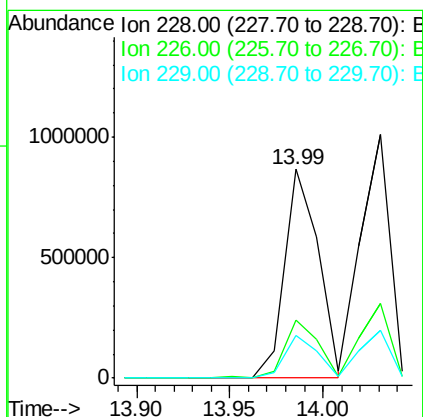
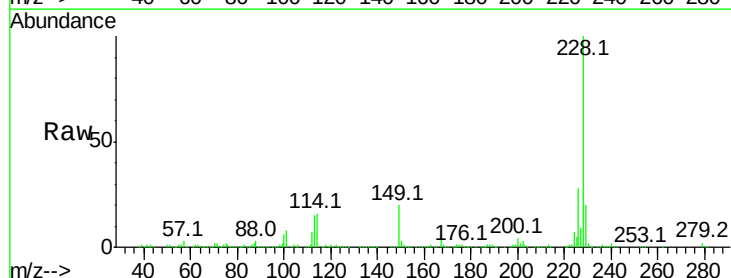
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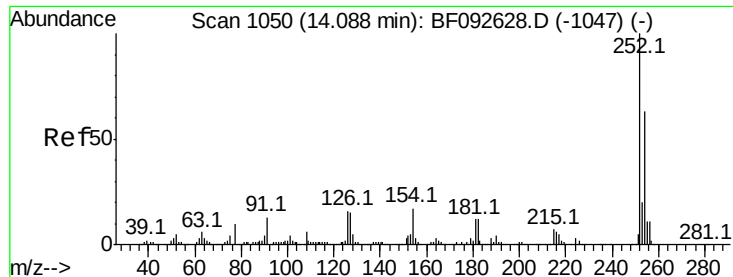
mohammad
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#80
Benzo(a)anthracene
Concen: 43.92 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1094048		
226	27.8	22.4	33.6	
229	20.2	16.2	24.4	





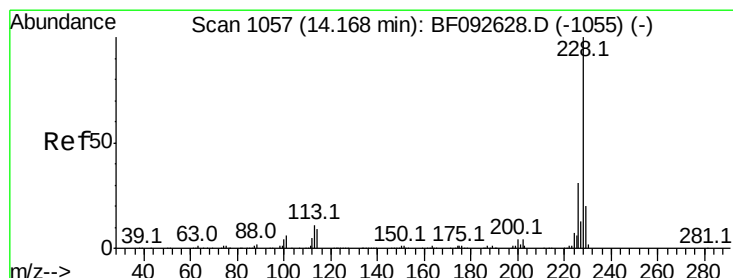
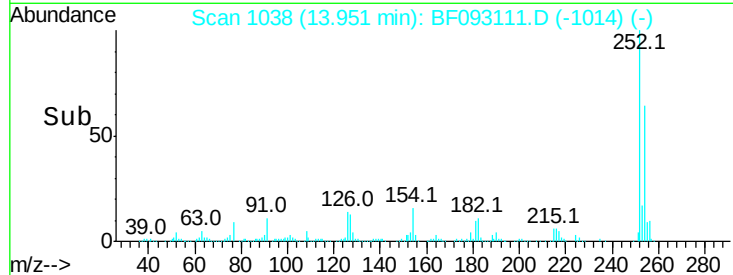
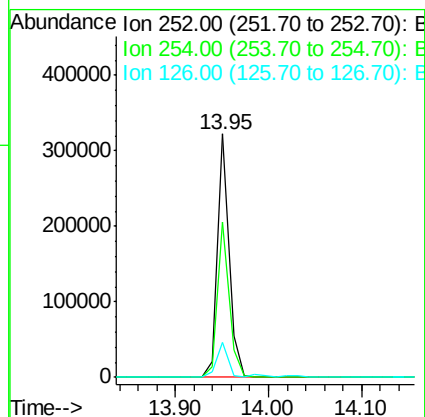
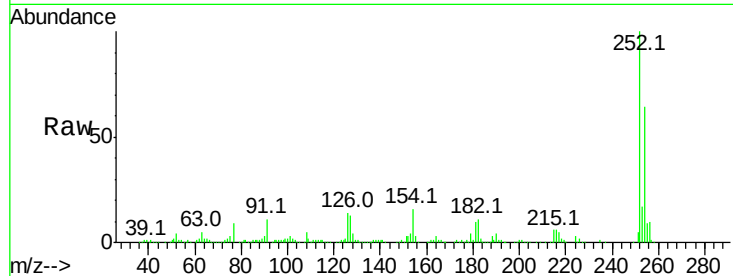
#81
 3,3'-Dichlorobenzidine
 Concen: 31.34 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	278334		
254	63.5	52.3	78.5	
126	14.3	13.6	20.4	

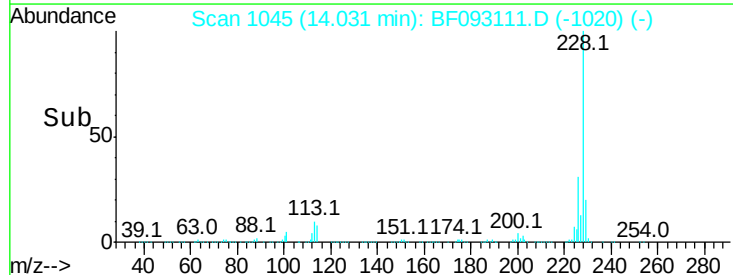
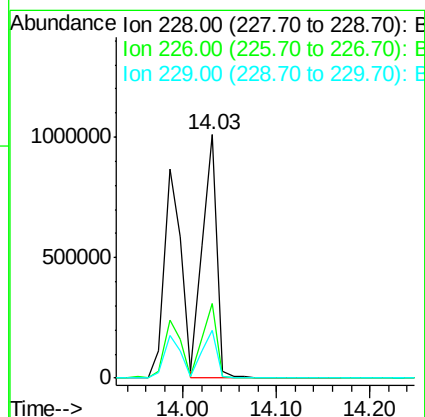
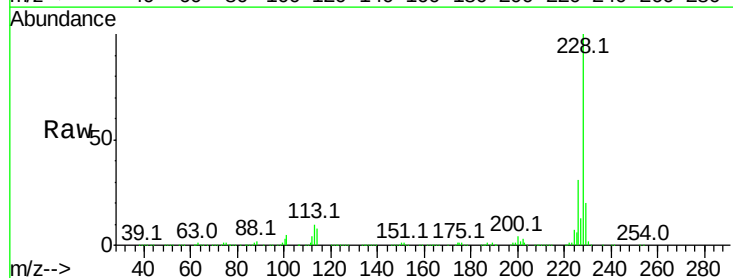
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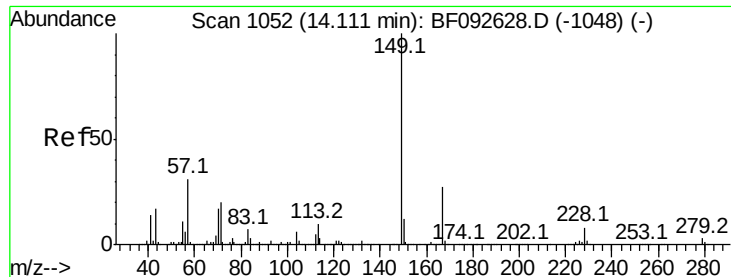
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#82
 Chrysene
 Concen: 47.36 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1104651		
226	30.8	25.4	38.0	
229	19.7	16.2	24.2	





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.72 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Instrument :

BNA_F

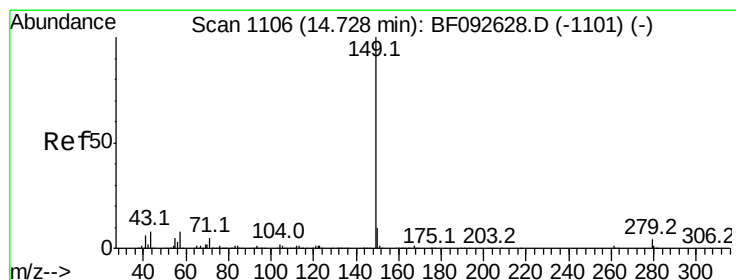
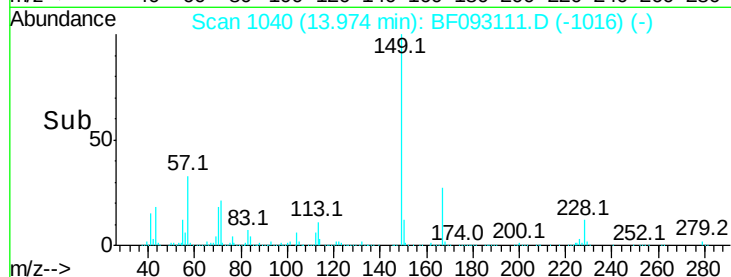
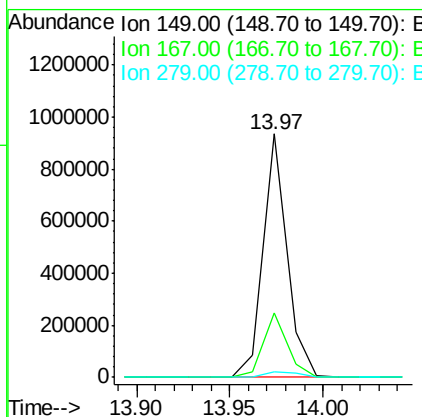
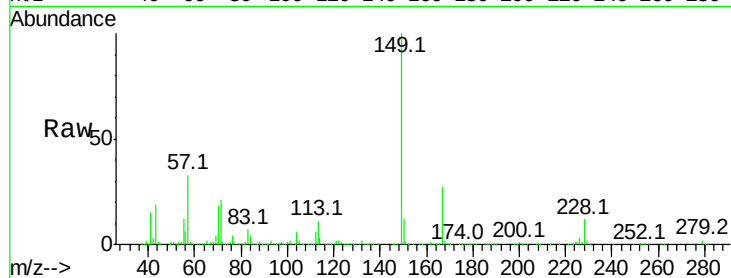
ClientSampleId :

SPARTA-FINE-SANDMSD

Tot Ion:	149	Resp:	824651
Ion Ratio	Lower	Upper	
149	100		
167	26.6	20.2	30.4
279	2.5	1.8	2.8

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 52.77 ng

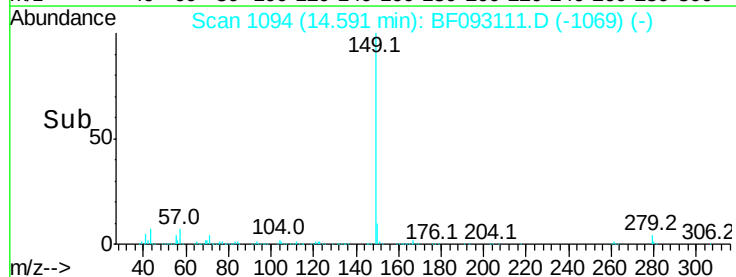
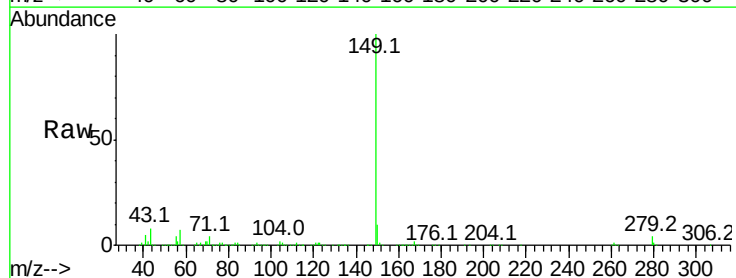
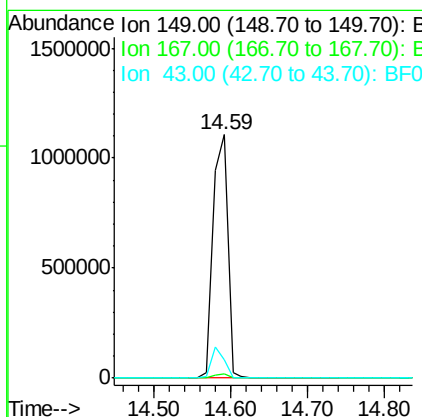
RT: 14.59 min Scan# 1094

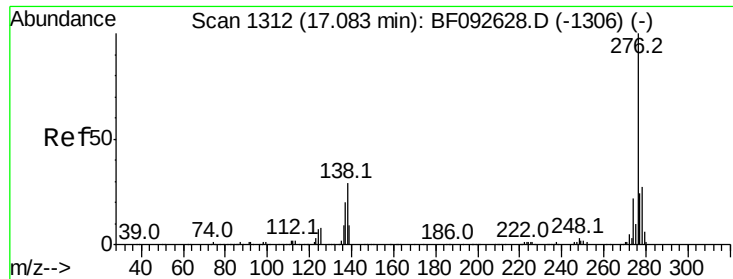
Delta R.T. -0.01 min

Lab File: BF093111.D

Acq: 23 Feb 2017 18:25

Tgt Ion:	149	Resp:	1454475
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	11.1	8.9	13.3





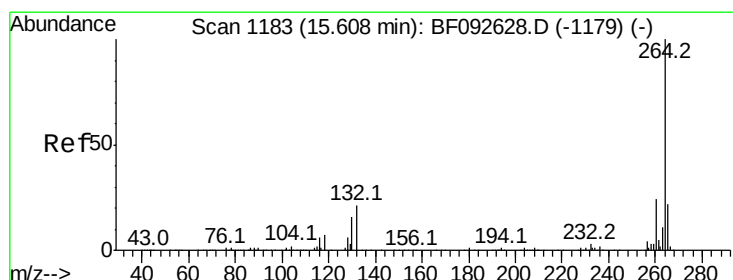
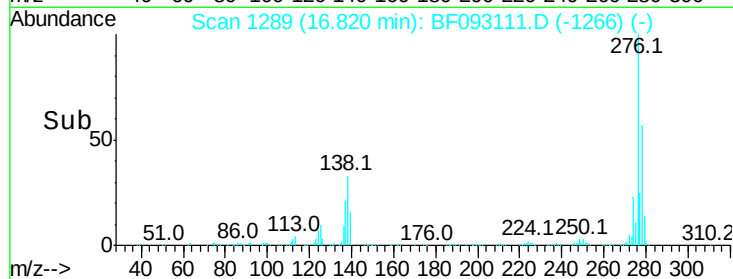
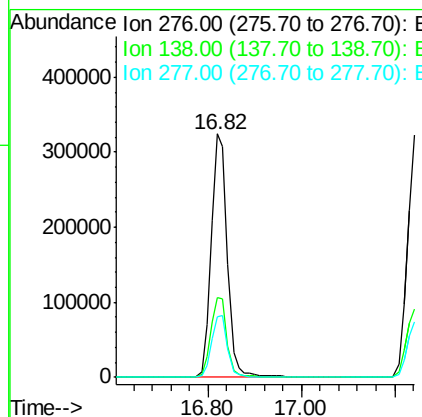
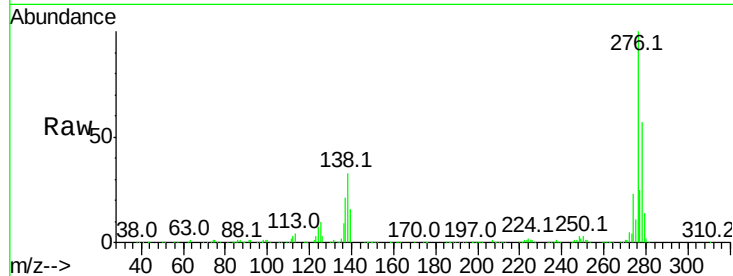
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.75 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.1	21.8	32.6#
277	25.1	20.2	30.4

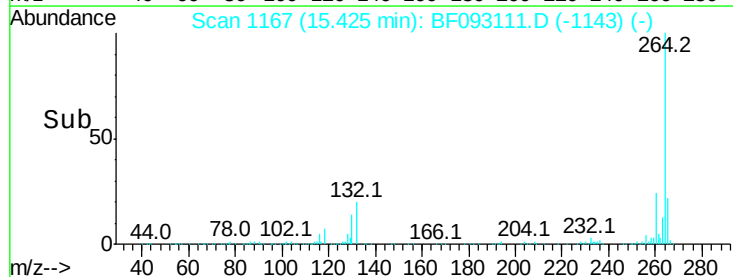
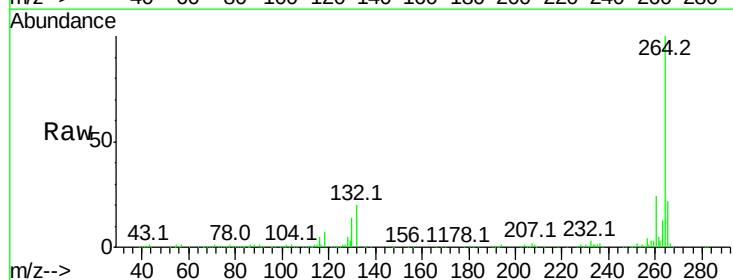
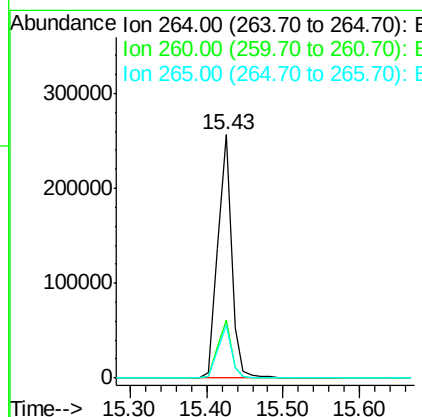
Manual Integrations
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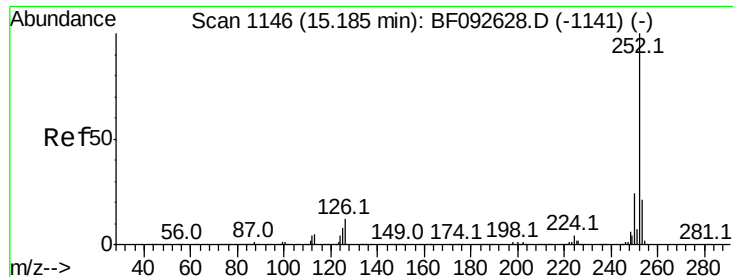
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.4	26.0





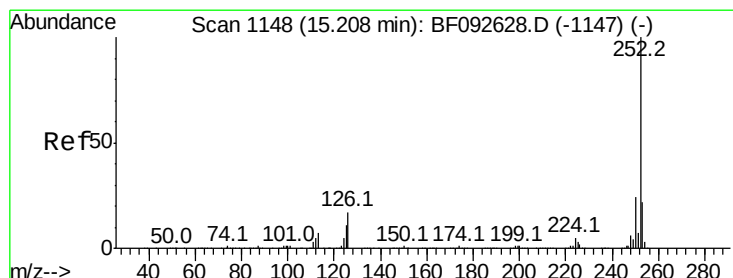
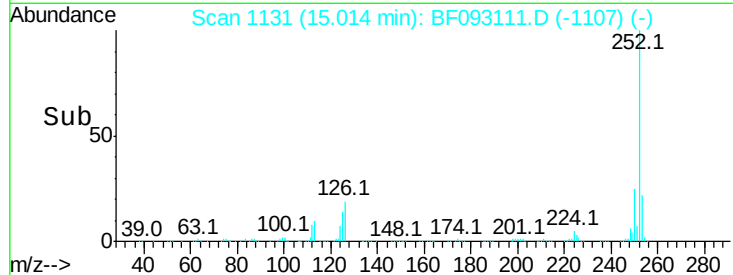
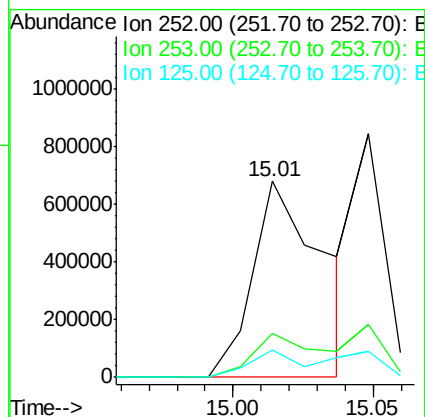
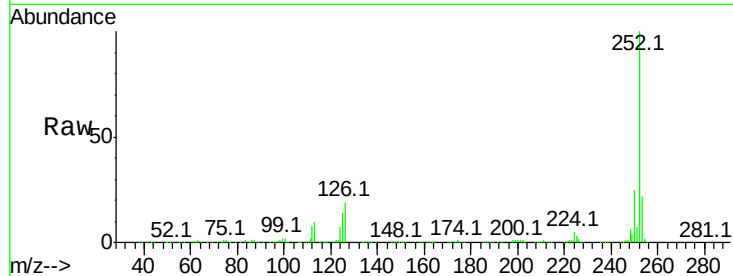
#87
Benzo(b)fluoranthene
Concen: 55.67 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion:252 Resp: 1176973
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 14.3 9.8 14.6

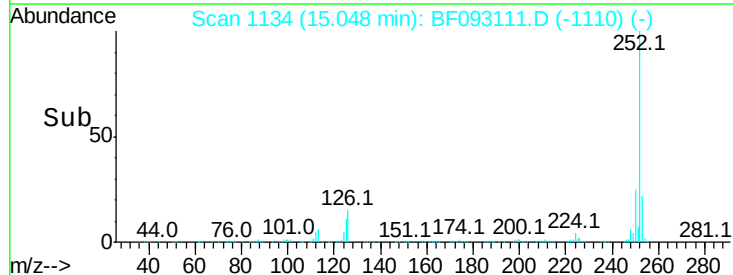
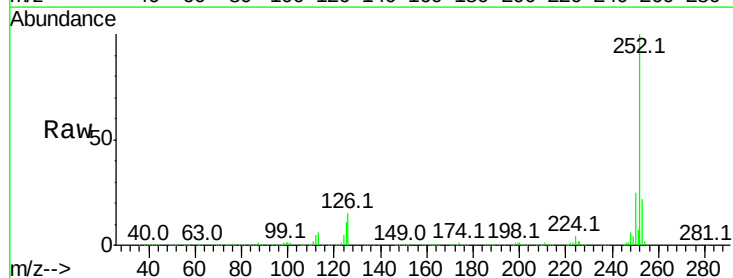
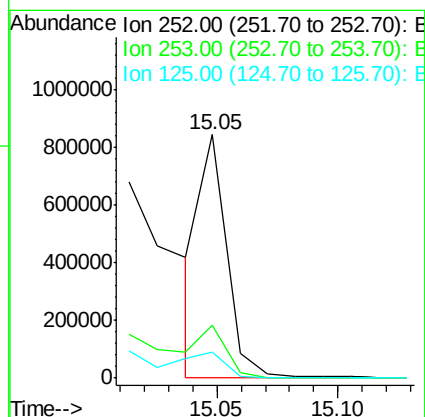
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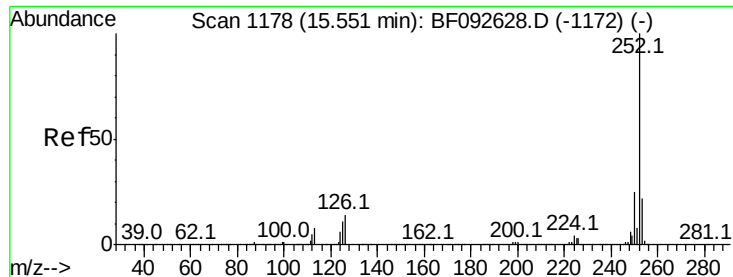
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#88
Benzo(k)fluoranthene
Concen: 36.13 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion:252 Resp: 659585
Ion Ratio Lower Upper
252 100
253 22.0 18.5 27.7
125 10.5 8.9 13.3





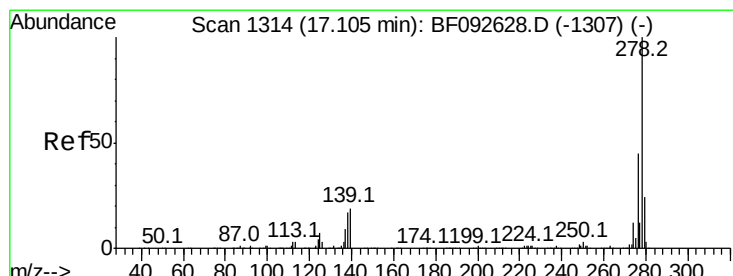
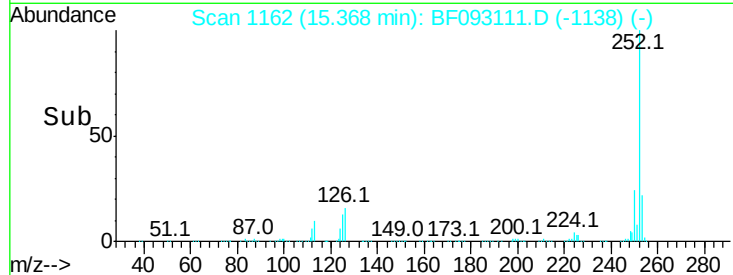
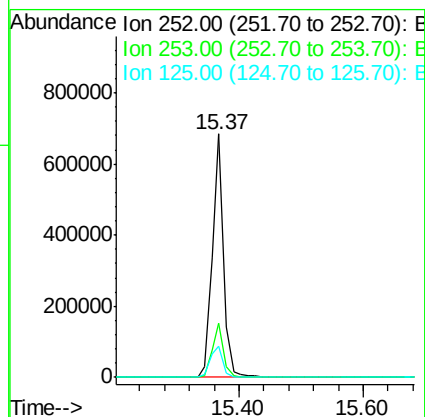
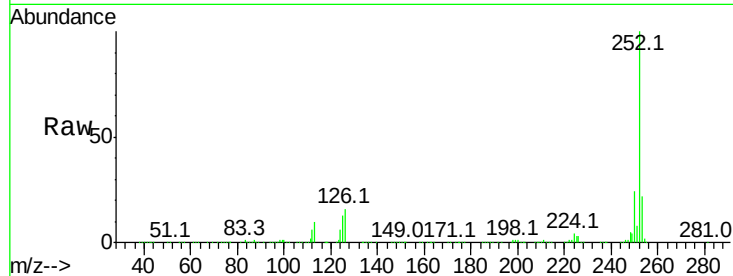
#89
Benzo(a)pyrene
Concen: 46.18 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	12.6	10.0	15.0

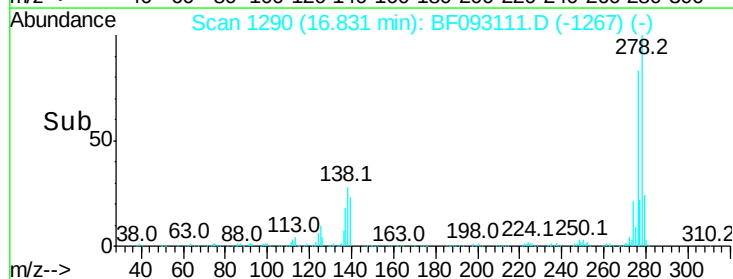
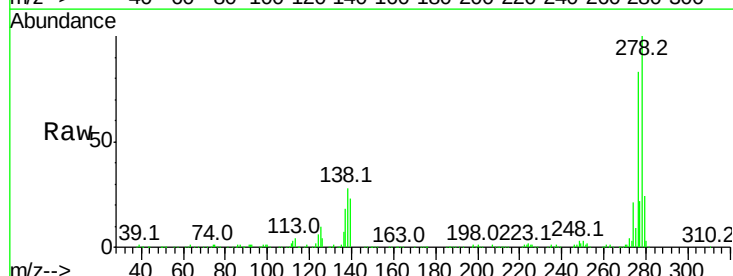
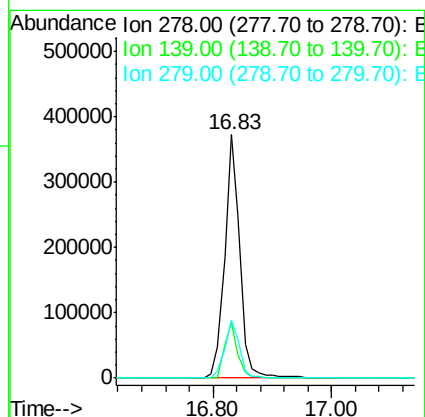
Manual Integrations
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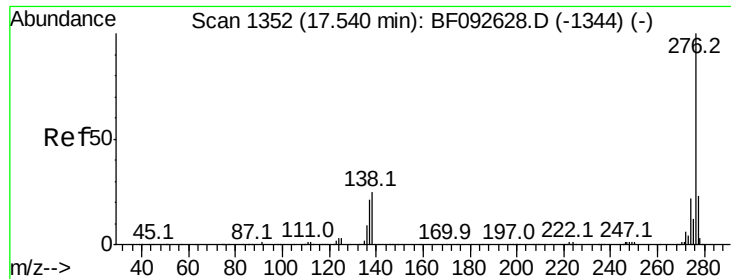
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#90
Dibenzo(a,h)anthracene
Concen: 44.61 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF093111.D
Acq: 23 Feb 2017 18:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.8	14.8	22.2#
279	23.9	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 45.16 ng
 RT: 17.24 min Scan# 1326
 Delta R.T. -0.05 min
 Lab File: BF093111.D
 Acq: 23 Feb 2017 18:25

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SANDMSD

Tot Ion	Ratio	Resp	Lower	Upper
276	100	674379		
277	23.1		19.2	28.8
138	28.2		16.0	24.0

Manual Integrations
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