

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013016\
 Data File : BF084679.D
 Acq On : 30 Jan 2016 12:04
 Operator : SJ/IZ
 Sample : H1257-04MSD
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

Manual Integrations
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mohammad
 2/1/2016 2:26:02 PM

Quant Time: Feb 01 01:30:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178992	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	680667	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	316306	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	523003	20.00	ng	0.00
75) Chrysene-d12	13.87	240	298697	20.00	ng	0.00
86) Perylene-d12	15.25	264	346053	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1437391	121.22	ng	0.02
7) Phenol-d6	6.38	99	1761651	123.95	ng	0.01
23) Nitrobenzene-d5	7.30	82	1102911	90.55	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	400143	120.70	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1605111	75.43	ng	0.00
78) Terphenyl-d14	12.83	244	1254071	94.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.28	88	168257	30.43	ng	# 74
3) Pyridine	2.96	79	501573	34.05	ng	# 74
4) n-Nitrosodimethylamine	2.91	42	272197	37.79	ng	# 81
6) Aniline	6.40	93	427988	23.46	ng	# 1
8) 2-Chlorophenol	6.51	128	503078	38.25	ng	# 88
9) Benzaldehyde	6.27	77	36533	4.44	ng	# 93
10) Phenol	6.40	94	705979	44.57	ng	# 96
11) bis(2-Chloroethyl)ether	6.46	93	503040	40.83	ng	# 81
12) 1,3-Dichlorobenzene	6.66	146	515708m	36.60	ng	# 98
13) 1,4-Dichlorobenzene	6.74	146	507958	36.73	ng	# 97
14) 1,2-Dichlorobenzene	6.90	146	533055	41.86	ng	# 89
15) Benzyl Alcohol	6.88	79	405156	41.88	ng	# 90
16) 2,2'-oxybis(1-Chloropropan	7.01	45	795794	37.74	ng	# 94
17) 2-Methylphenol	7.00	107	443666	43.51	ng	# 85
18) Hexachloroethane	7.24	117	212331	39.25	ng	# 74
19) n-Nitroso-di-n-propylamine	7.15	70	347644	40.05	ng	# 66
20) 3+4-Methylphenols	7.15	107	522724	42.25	ng	# 98
22) Acetophenone	7.14	105	741290	41.70	ng	# 92
24) Nitrobenzene	7.31	77	513433	39.66	ng	# 96
25) Isophorone	7.56	82	1012516	44.37	ng	# 83
26) 2-Nitrophenol	7.63	139	267411	43.44	ng	# 86
27) 2,4-Dimethylphenol	7.69	122	460021	42.64	ng	# 97
28) bis(2-Chloroethoxy)methane	7.78	93	614085	44.84	ng	# 95
29) 2,4-Dichlorophenol	7.88	162	440092	46.64	ng	# 92
30) 1,2,4-Trichlorobenzene	7.96	180	443373	41.09	ng	# 99
31) Naphthalene	8.03	128	1462830	42.57	ng	# 91
32) Benzoic acid	7.79	122	107970	13.04	ng	# 97
33) 4-Chloroaniline	8.09	127	195122	13.96	ng	# 98
34) Hexachlorobutadiene	8.16	225	262216	41.12	ng	# 56
35) Caprolactam	8.46	113	137439	50.76	ng	# 98
36) 4-Chloro-3-methylphenol	8.59	107	501228	48.25	ng	# 97
37) 2-Methylnaphthalene	8.73	142	1035747	49.11	ng	# 97
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	399252	38.92	ng	# 98
40) Hexachlorocyclopentadiene	8.88	237	285652	61.25	ng	

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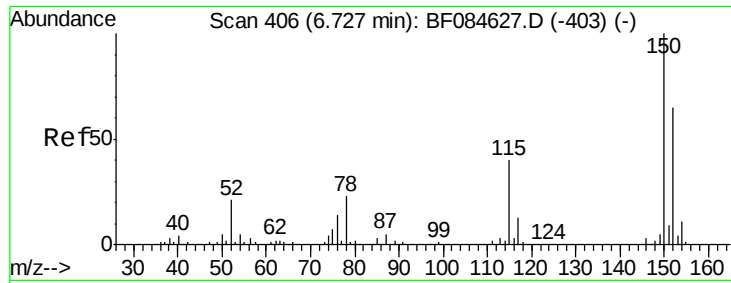
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	293901	46.12	nq	95
43) 2,4,5-Trichlorophenol	9.06	196	294744	44.80	nq	96
45) 1,1'-Biphenyl	9.20	154	1173422	40.48	nq	95
46) 2-Chloronaphthalene	9.22	162	855156	40.43	nq	# 87
47) 2-Nitroaniline	9.31	65	251662	39.62	nq	99
48) Acenaphthylene	9.63	152	1331018	41.53	nq	99
49) Dimethylphthalate	9.50	163	1343409	56.59	nq	# 91
50) 2,6-Dinitrotoluene	9.56	165	241549	46.24	nq	# 85
51) Acenaphthene	9.80	154	859620	40.06	nq	98
52) 3-Nitroaniline	9.72	138	147813	27.08	nq	95
53) 2,4-Dinitrophenol	9.84	184	88949	34.51	nq	# 85
54) Dibenzofuran	9.97	168	1201967	46.93	nq	98
55) 4-Nitrophenol	9.90	139	336686	83.98	nq	# 83
56) 2,4-Dinitrotoluene	9.96	165	298964	44.06	nq	96
57) Fluorene	10.32	166	874226	40.27	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.09	232	219019	44.03	nq	# 89
59) Diethylphthalate	10.20	149	989215	42.57	nq	95
60) 4-Chlorophenyl-phenylether	10.30	204	381105	39.10	nq	92
61) 4-Nitroaniline	10.34	138	224345	43.43	nq	92
62) Azobenzene	10.46	77	1011786	45.49	nq	91
64) 4,6-Dinitro-2-methylphenol	10.36	198	100665m	29.47	nq	
65) n-Nitrosodiphenylamine	10.43	169	830182	48.96	nq	99
66) 4-Bromophenyl-phenylether	10.80	248	271207	46.04	nq	# 94
67) Hexachlorobenzene	10.85	284	248886	38.84	nq	# 81
68) Atrazine	10.96	200	229853	45.24	nq	98
69) Pentachlorophenol	11.06	266	237332	76.67	nq	98
70) Phenanthrene	11.26	178	1388912	48.03	nq	98
71) Anthracene	11.32	178	1295732	44.07	nq	100
72) Carbazole	11.48	167	1129008	44.55	nq	98
73) Di-n-butylphthalate	11.81	149	1310968	42.54	nq	# 96
74) Fluoranthene	12.45	202	1375334	48.10	nq	95
76) Benzidine	12.58	184	387052	34.07	nq	99
77) Pyrene	12.68	202	1306461	57.99	nq	100
79) Butylbenzylphthalate	13.31	149	470935	48.93	nq	# 87
80) Benzo(a)anthracene	13.86	228	881322	47.33	nq	98
81) 3,3'-Dichlorobenzidine	13.84	252	193420	29.52	nq	98
82) Chrysene	13.91	228	834149	45.45	nq	98
83) Bis(2-ethylhexyl)phthalate	13.87	149	594502	47.62	nq	# 97
84) Di-n-octyl phthalate	14.48	149	931522	47.22	nq	# 88
85) Indeno(1,2,3-cd)pyrene	16.57	276	897829	55.33	nq	99
87) Benzo(h)fluoranthene	14.88	252	978170m	43.65	nq	
88) Benzo(k)fluoranthene	14.90	252	675163m	36.48	nq	
89) Benzo(a)pyrene	15.21	252	830152	42.83	nq	98
90) Dibenzo(a,h)anthracene	16.59	278	731985	41.90	nq	# 94
91) Benzo(g,h,i)perylene	16.97	276	781526	44.31	nq	99

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



#1

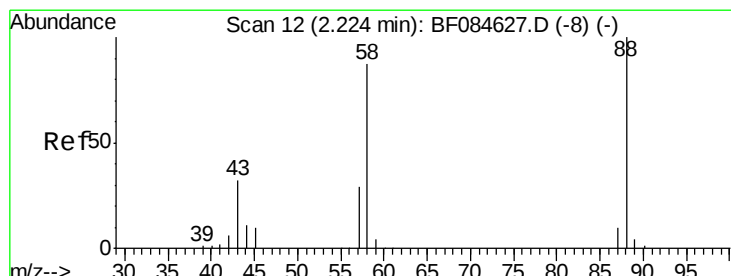
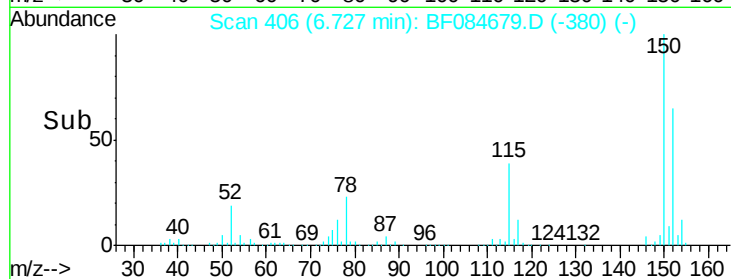
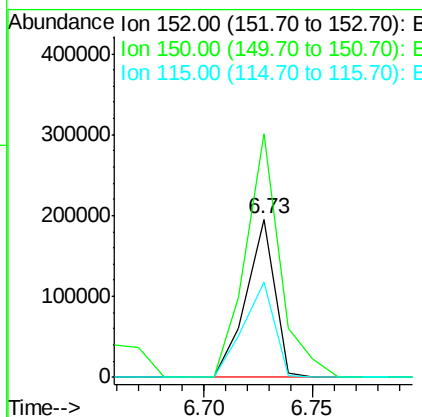
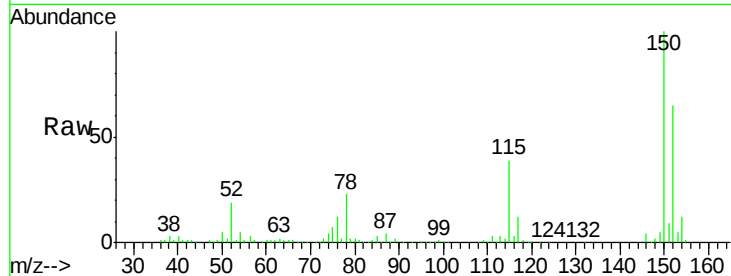
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.0	184.4
115	60.4	51.4	77.2

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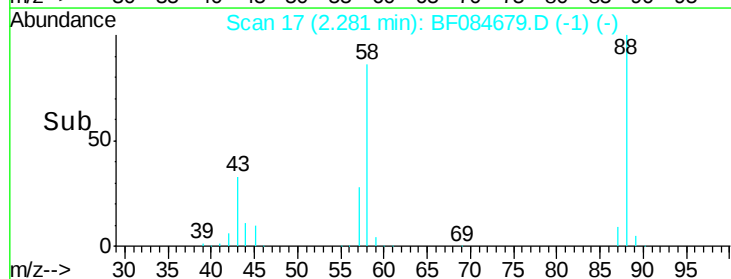
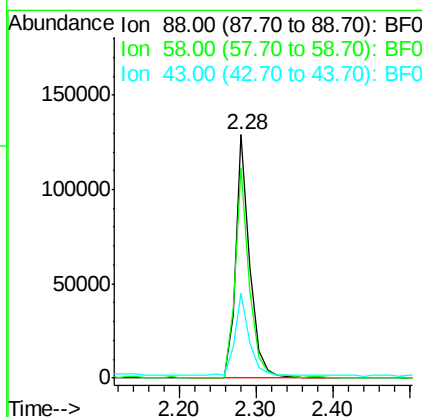
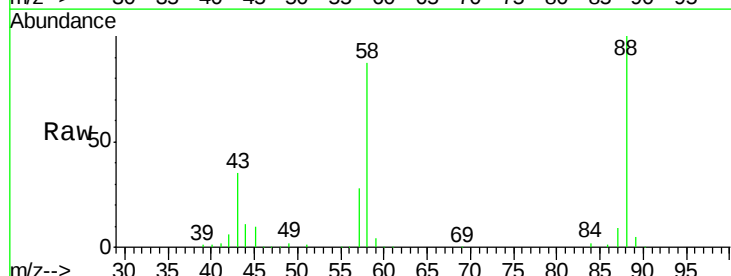
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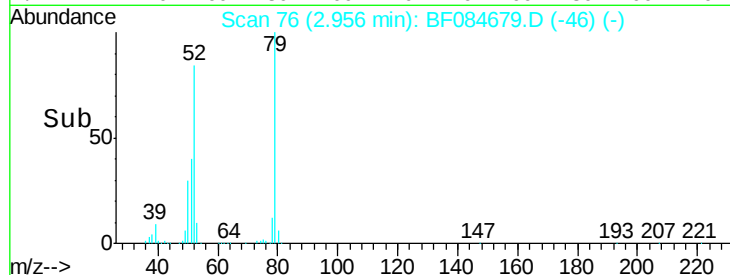
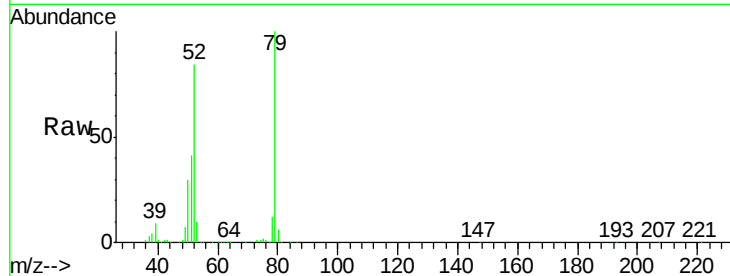
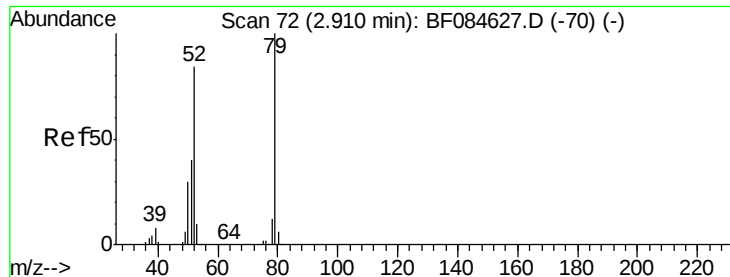


#2

1,4-Dioxane
Concen: 30.43 ng
RT: 2.28 min Scan# 17
Delta R.T. 0.06 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.2	51.2	76.8#
43	34.4	19.5	29.3#





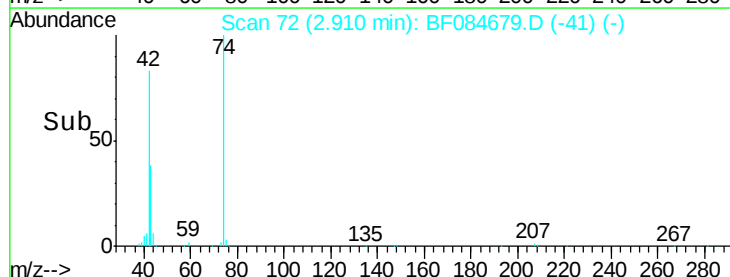
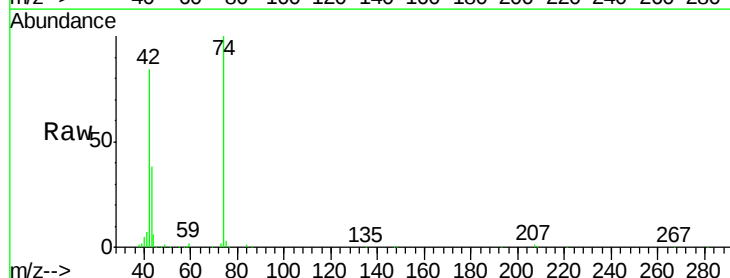
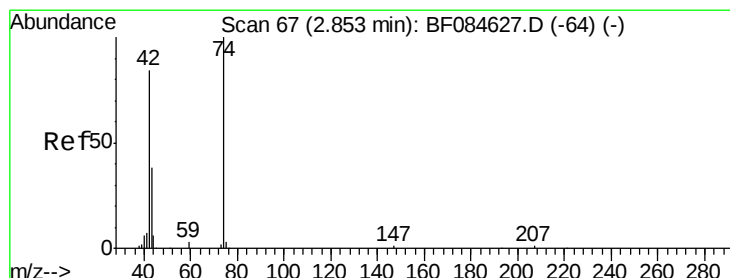
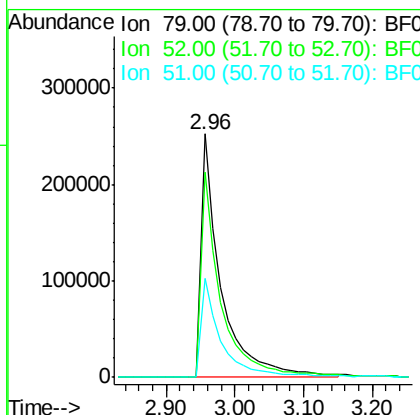
#3
 Pvridine
 Concen: 34.05 ng
 RT: 2.96 min Scan# 76
 Delta R.T. 0.05 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.3	49.0	73.4#
51	40.5	25.2	37.8#

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

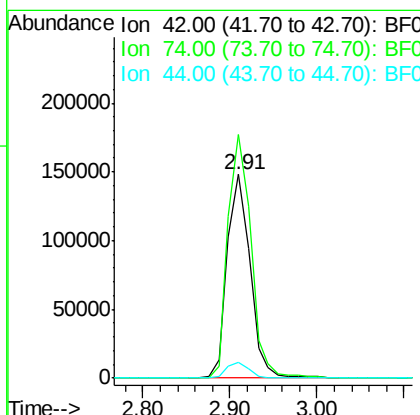
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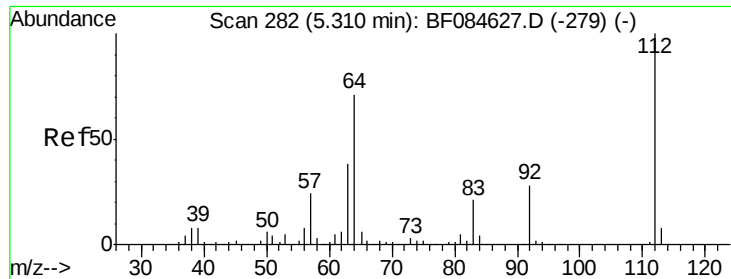
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#4
 n-Nitrosodimethylamine
 Concen: 37.79 ng
 RT: 2.91 min Scan# 72
 Delta R.T. 0.06 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
42	100		
74	119.6	115.7	173.5
44	7.6	5.1	7.7





#5

2-Fluorophenol

Concen: 121.22 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

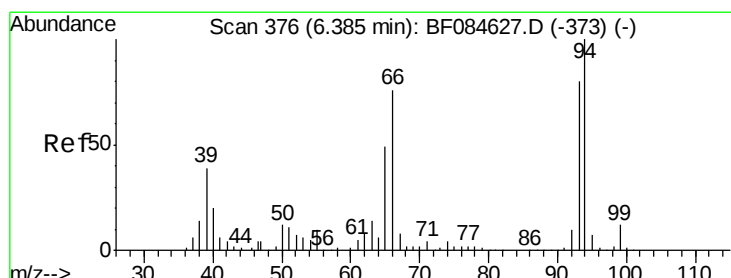
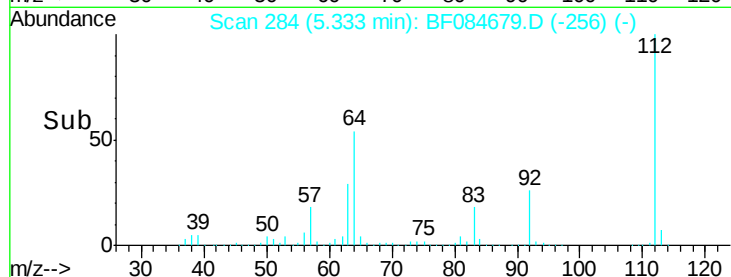
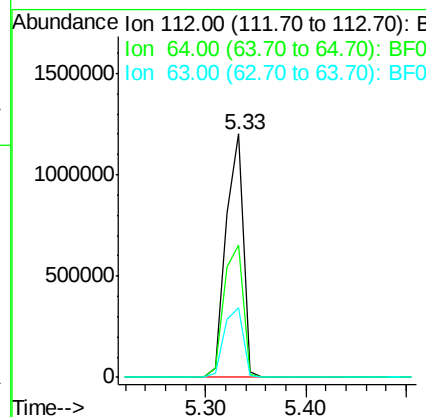
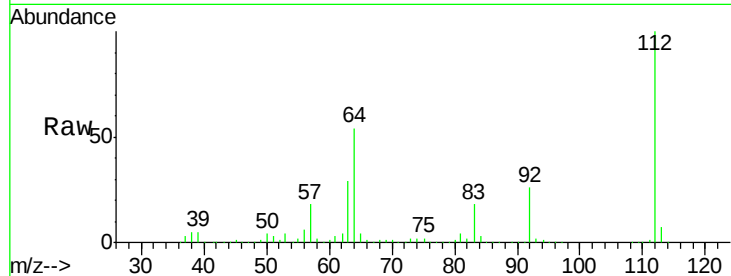
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	112	Resp:	1437391
Ion	Ratio	Lower	Upper
112	100		
64	54.3	36.6	55.0
63	28.6	19.4	29.0

Manual Integrations
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#6

Aniline

Concen: 23.46 ng

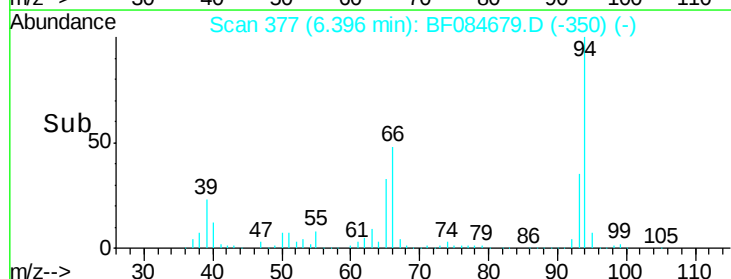
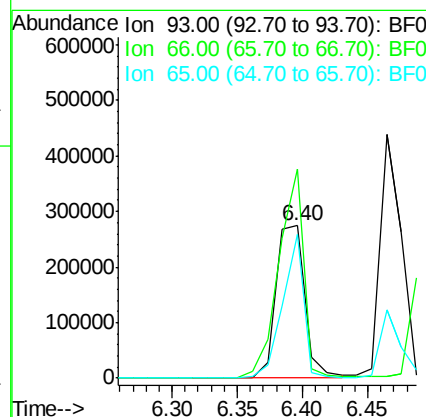
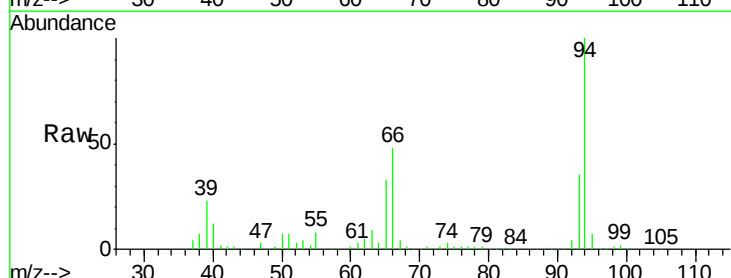
RT: 6.40 min Scan# 377

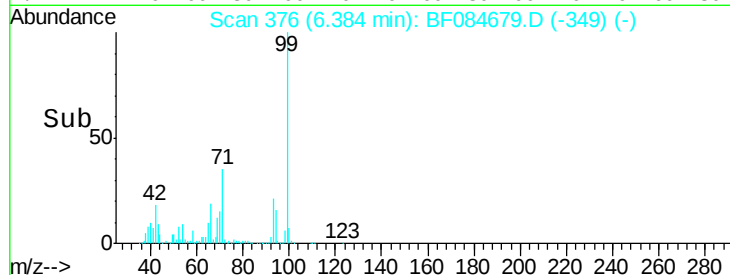
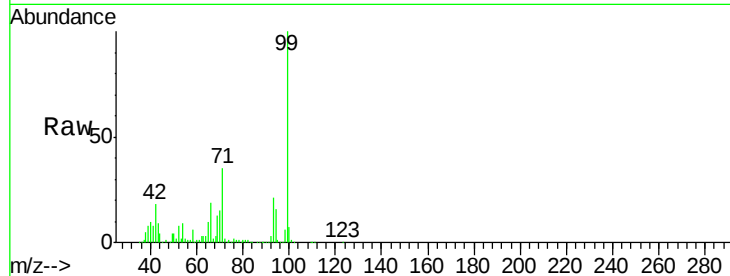
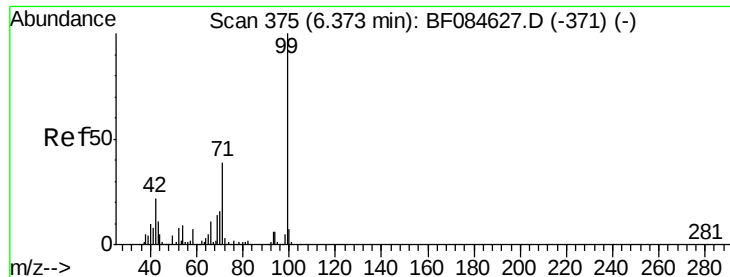
Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	93	Resp:	427988
Ion	Ratio	Lower	Upper
93	100		
66	136.7	44.9	67.3#
65	94.1	23.7	35.5#





#7

Phenol-d6

Concen: 123.95 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF084679.D

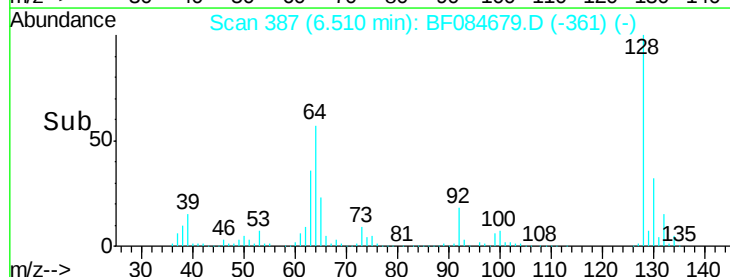
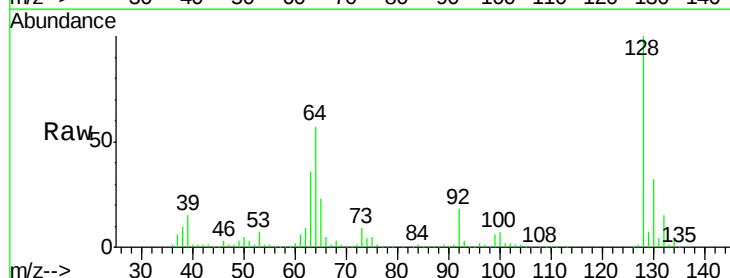
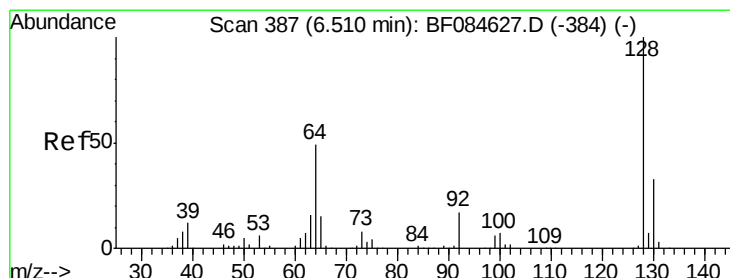
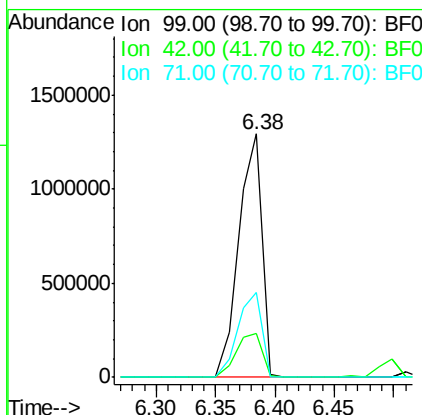
Acq: 30 Jan 2016 12:04

Tot Ion:	99	Resp:	1761651
Ion	Ratio	Lower	Upper
99	100		
42	18.1	12.8	19.2
71	35.1	30.9	46.3

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#8

2-Chlorophenol

Concen: 38.25 ng

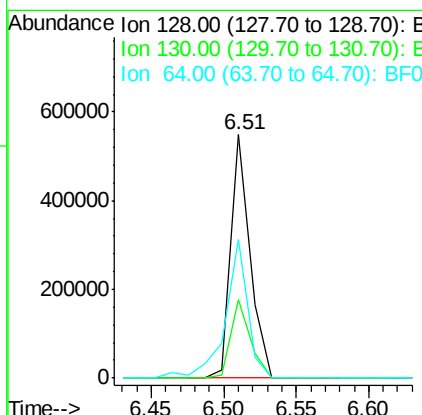
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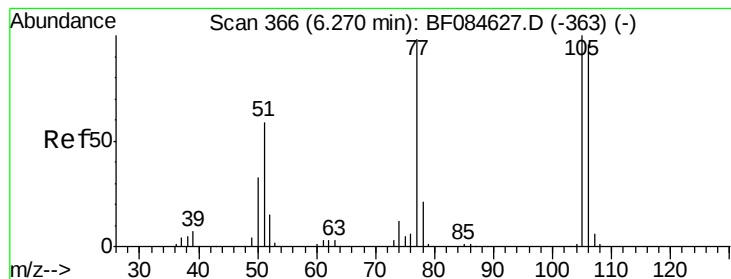
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	128	Resp:	503078
Ion	Ratio	Lower	Upper
128	100		
130	32.3	11.6	51.6
64	56.9	23.8	63.8





#9

Benzaldehyde

Concen: 4.44 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

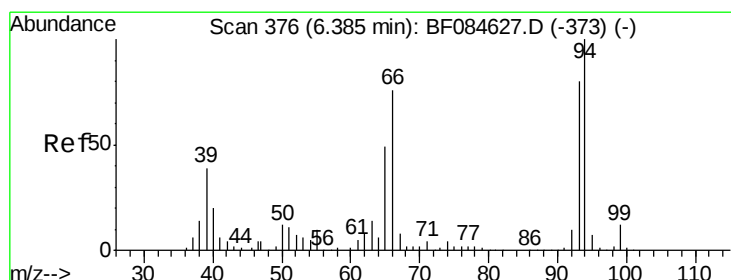
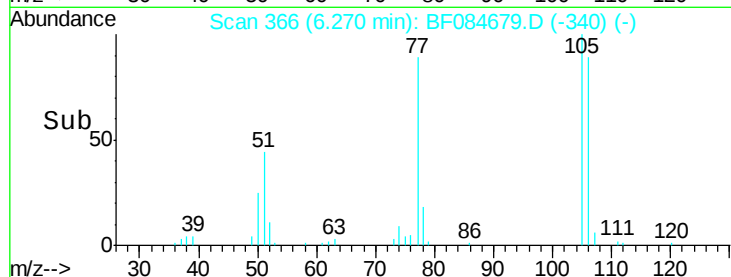
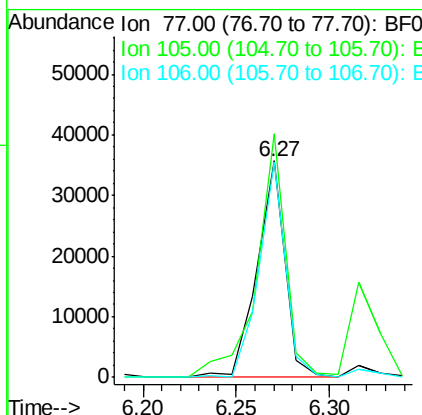
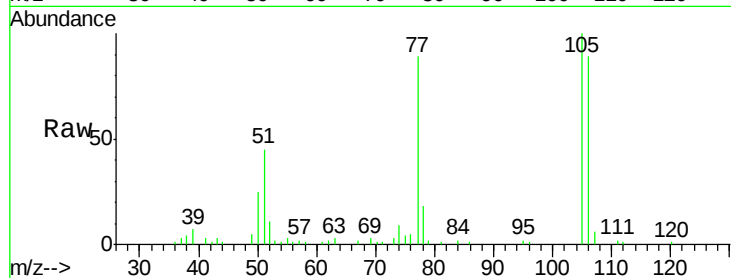
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	77	Resp:	36533
Ion	Ratio	Lower	Upper
77	100		
105	112.6	83.0	123.0
106	99.7	74.6	114.6

Manual Integrations
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#10

Phenol

Concen: 44.57 ng

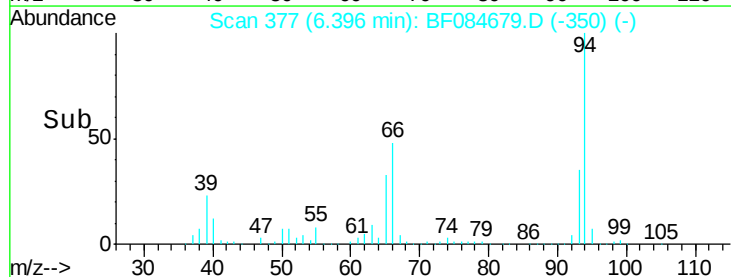
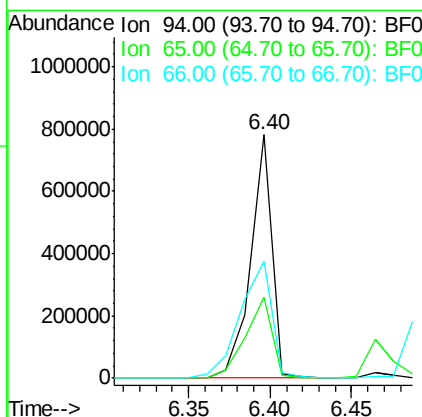
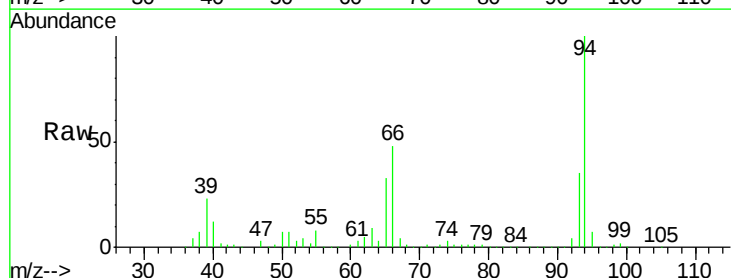
RT: 6.40 min Scan# 377

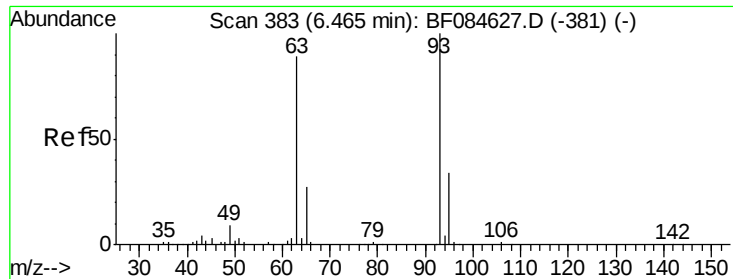
Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	94	Resp:	705979
Ion	Ratio	Lower	Upper
94	100		
65	33.1	12.9	52.9
66	48.0	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 40.83 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

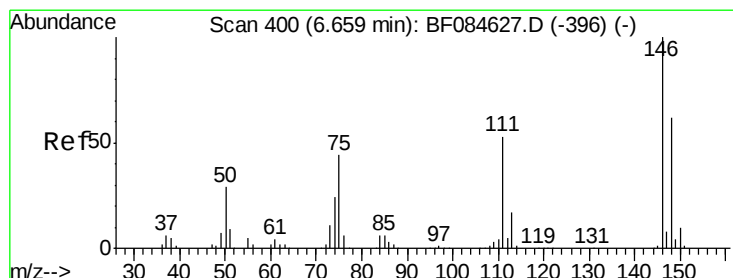
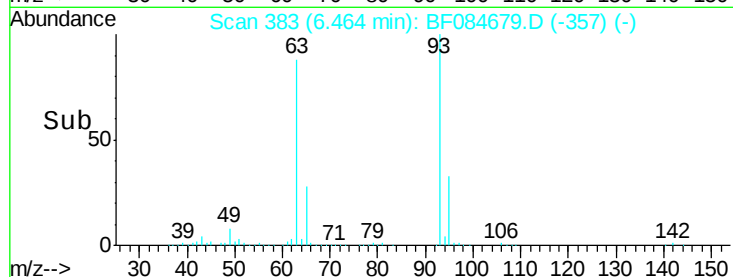
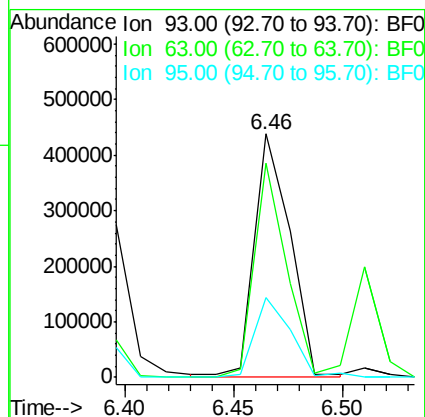
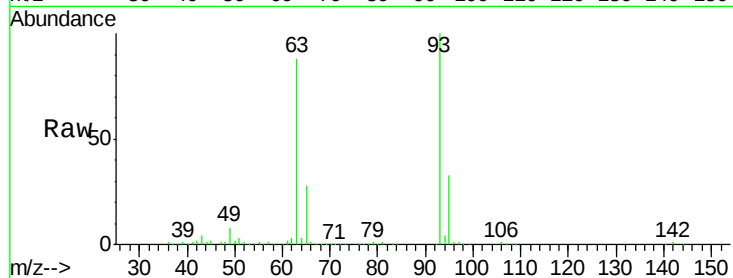
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	93	Resp:	503040
Ion Ratio	Lower	Upper	
93	100		
63	87.8	45.9	85.9#
95	32.8	12.3	52.3

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#12

1,3-Dichlorobenzene

Concen: 36.60 ng m

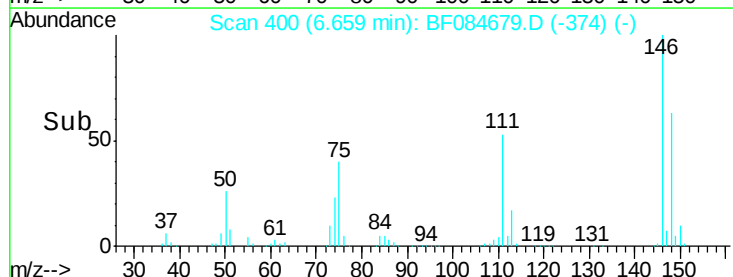
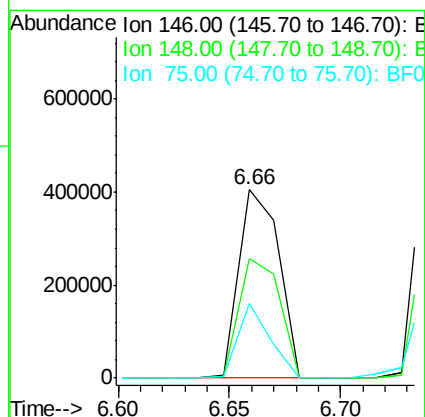
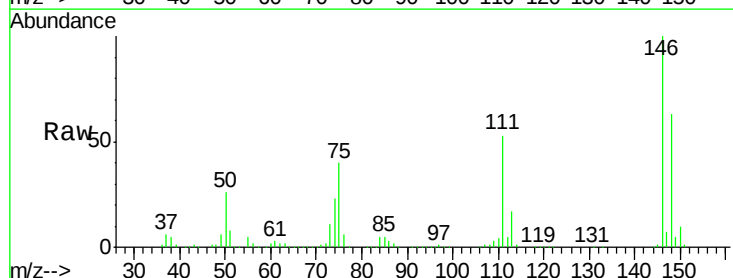
RT: 6.66 min Scan# 400

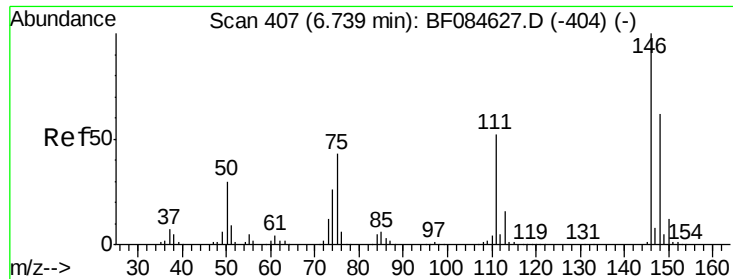
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	146	Resp:	515708
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.9	77.9
75	39.7	20.5	30.7#





#13

1,4-Dichlorobenzene

Concen: 36.73 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

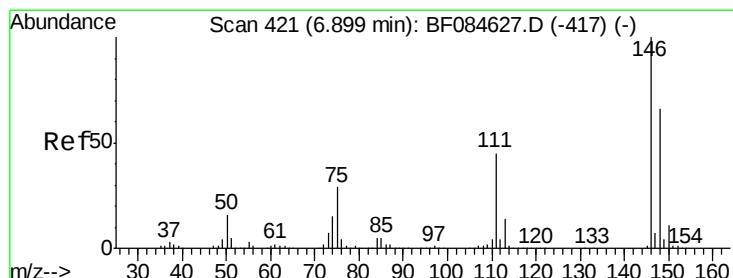
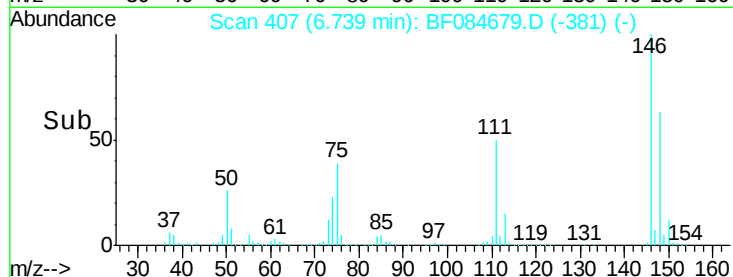
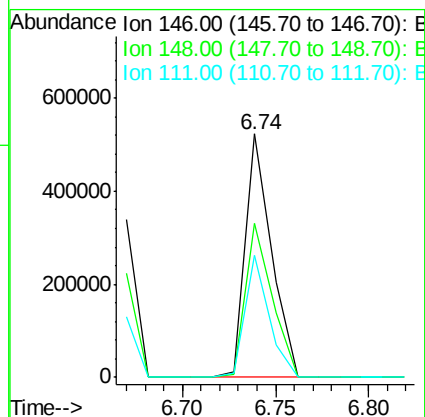
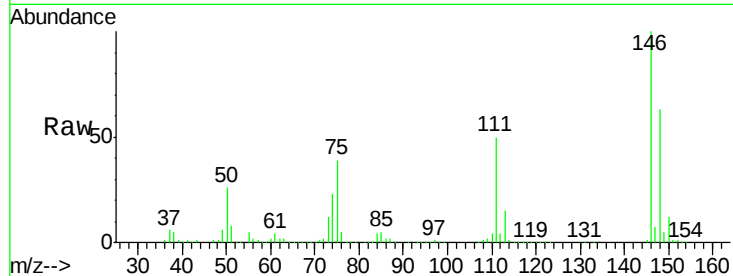
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	146	Resp:	507958
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.9	77.9
111	50.3	41.6	62.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 41.86 ng

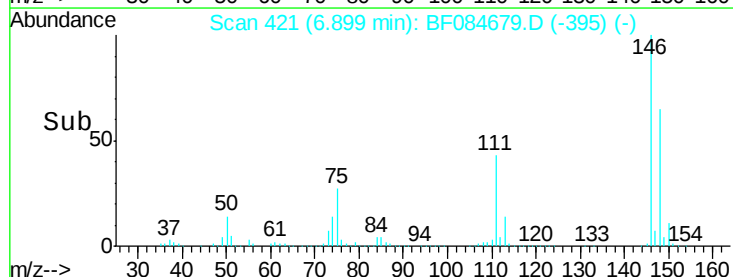
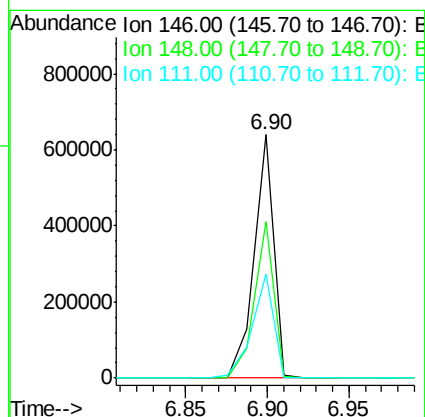
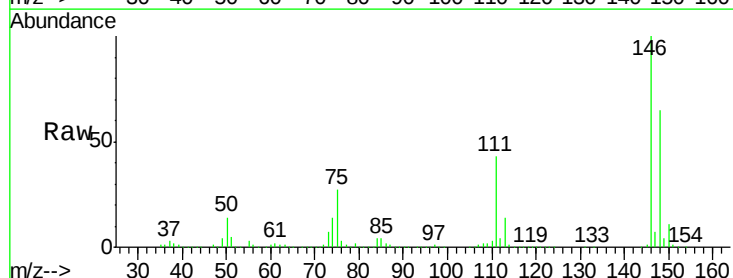
RT: 6.90 min Scan# 421

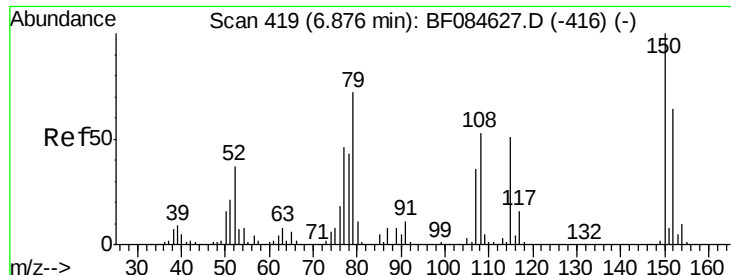
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	146	Resp:	533055
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.6	77.4
111	42.7	38.0	57.0





#15

Benzyl Alcohol

Concen: 41.88 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

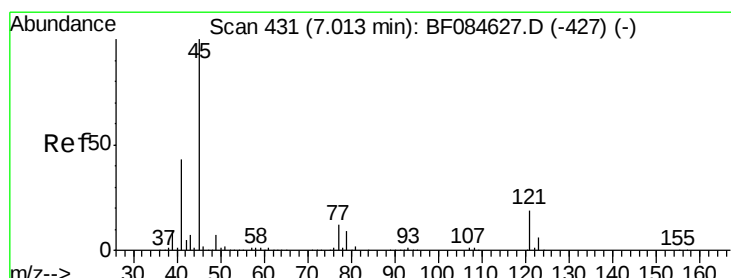
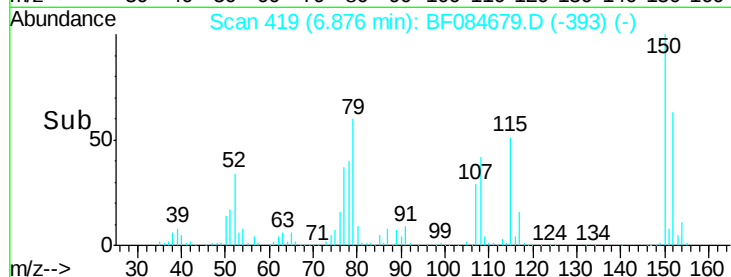
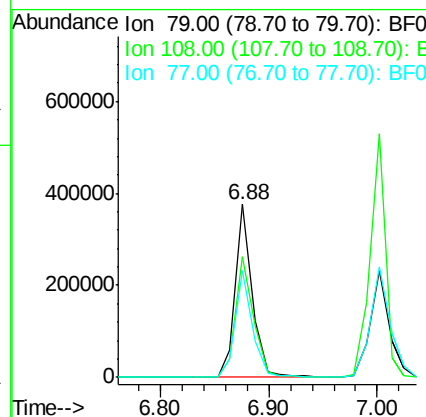
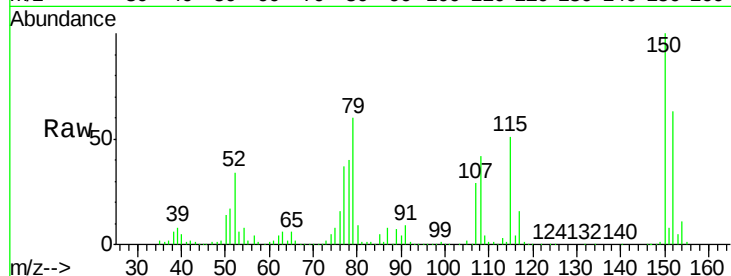
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	79	Resp:	405156
Ion Ratio	Lower	Upper	
79	100		
108	69.6	69.0	103.4
77	61.4	50.0	75.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.74 ng

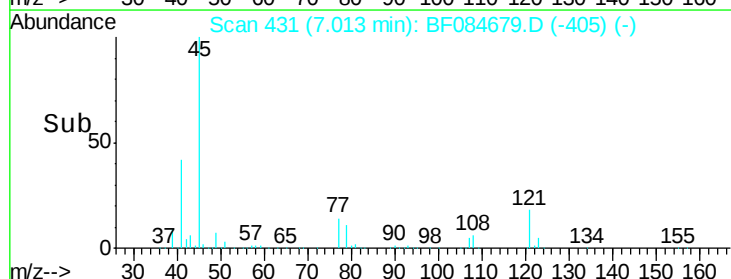
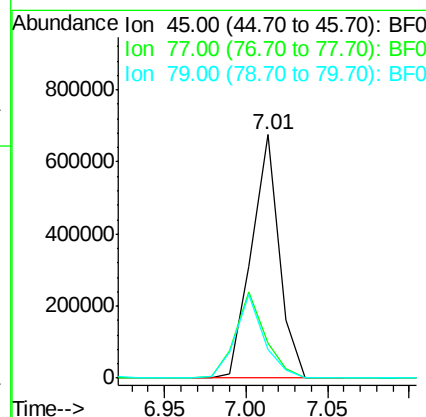
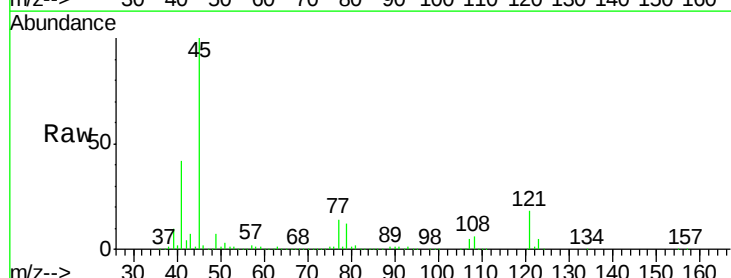
RT: 7.01 min Scan# 431

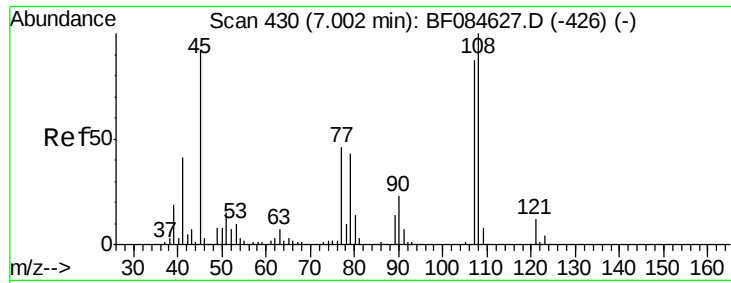
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	45	Resp:	795794
Ion Ratio	Lower	Upper	
45	100		
77	14.2	0.0	39.6
79	11.6	0.0	35.0





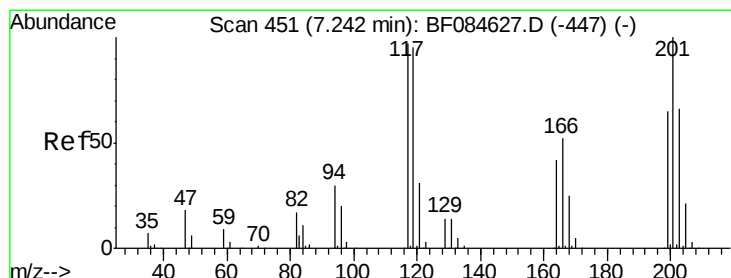
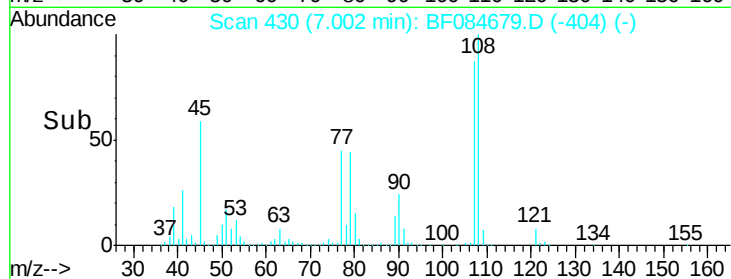
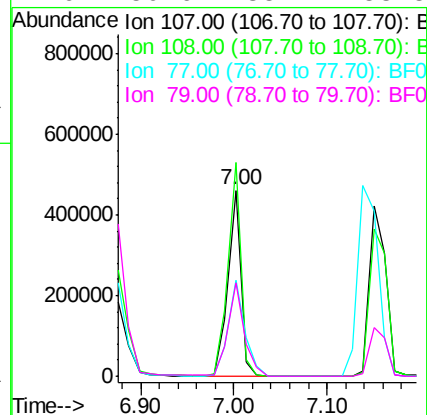
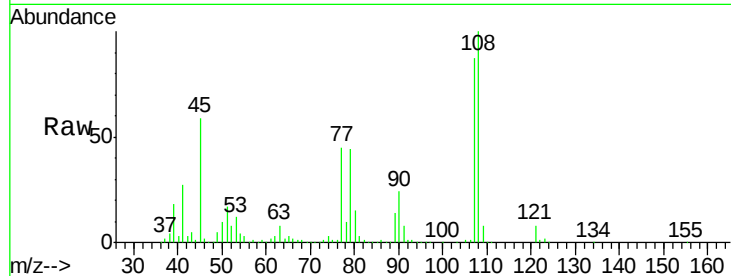
#17
2-Methylphenol
Concen: 43.51 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	443666		
108	108	115.1		89.8	134.6
77	77	52.0		35.7	53.5
79	79	50.6		35.7	53.5

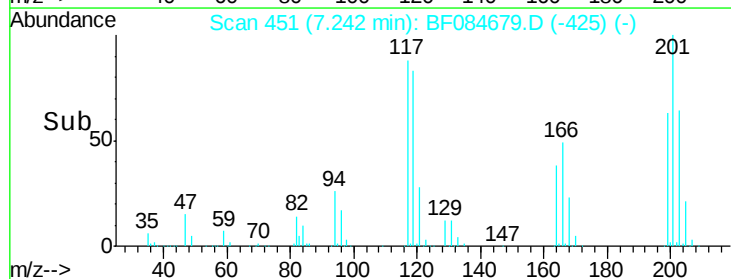
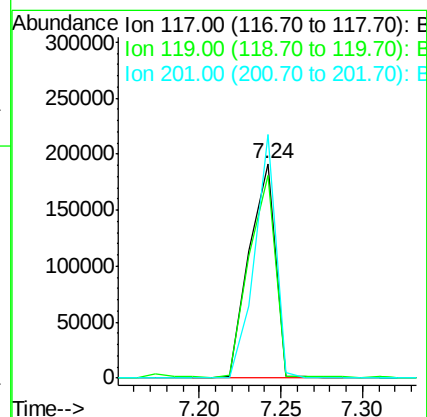
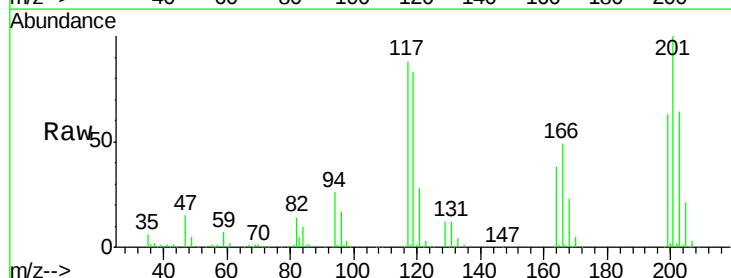
Manual Integrations
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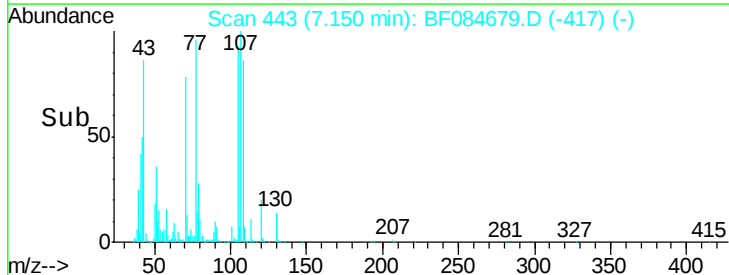
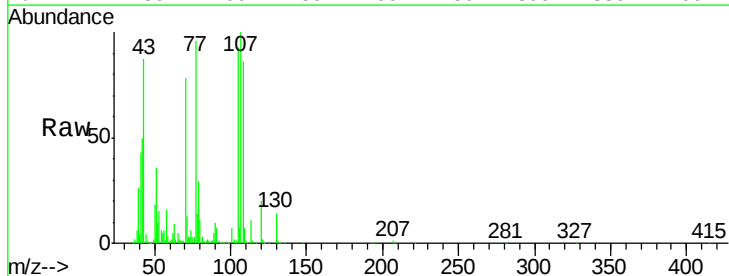
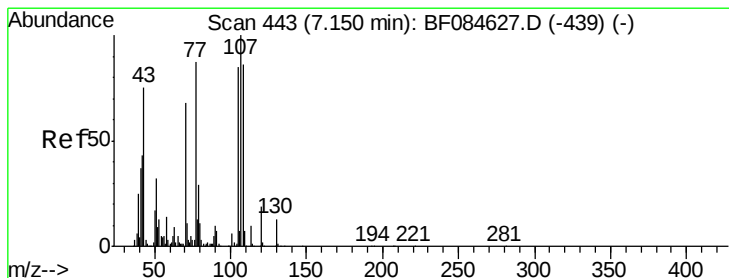
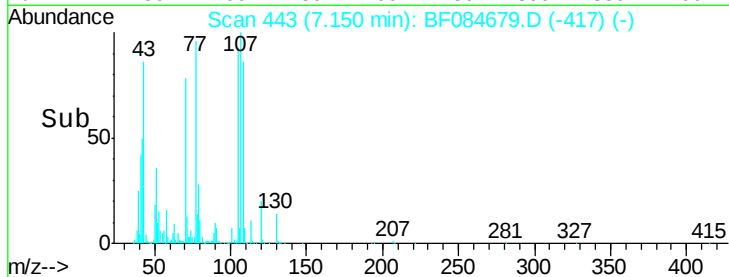
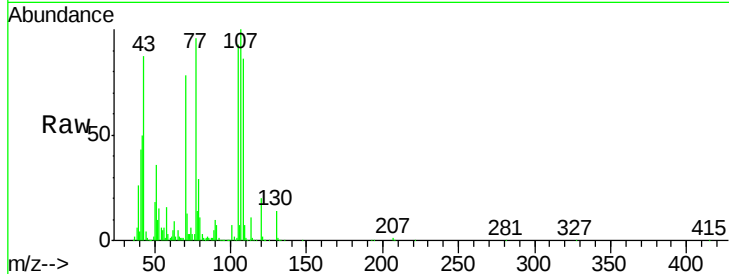
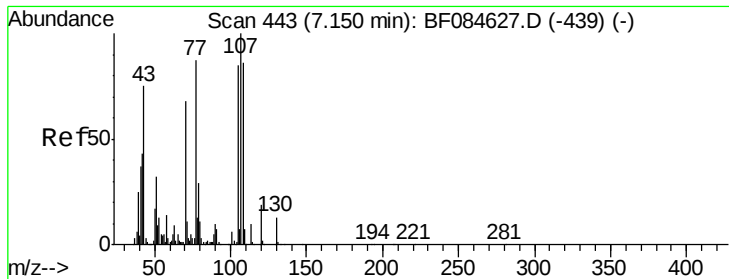
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#18
Hexachloroethane
Concen: 39.25 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	117	100	212331		
119	119	94.4		77.4	116.0
201	201	113.5		68.6	103.0#





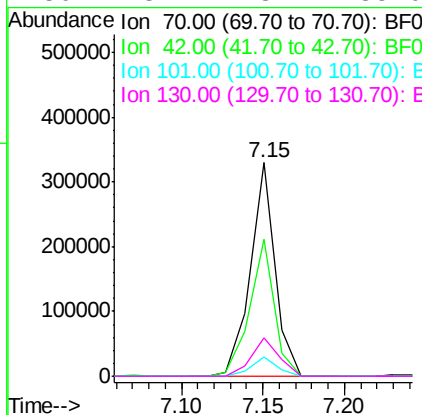
#19
n-Nitroso-di-n-propylamine
Concen: 40.05 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	64.2	33.3	49.9#
101	9.0	9.3	13.9#
130	18.1	23.4	35.0#

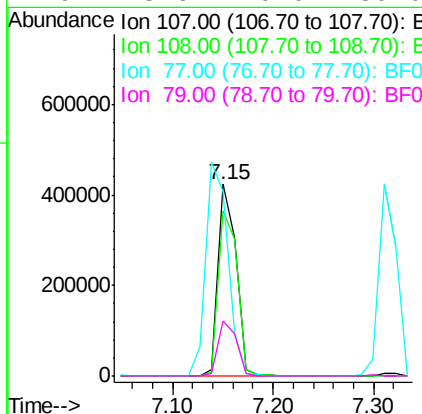
Manual Integrations
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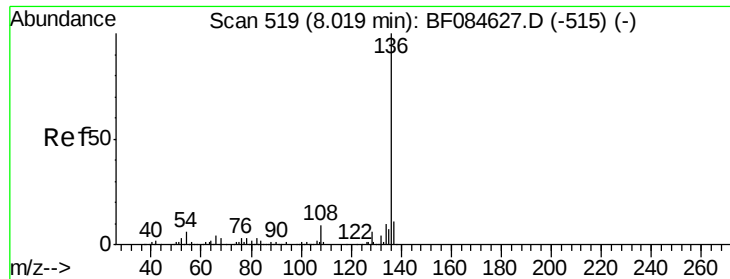
mohammad
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#20
3+4-Methylphenols
Concen: 42.25 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.0	74.6	114.6
77	96.5	0.7	40.7#
79	28.6	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

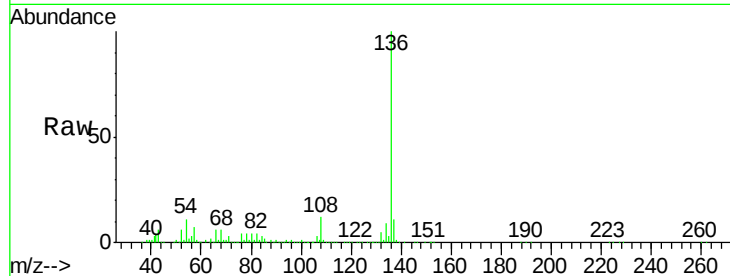
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		680667		
137	11.4	8.7	13.1		
54	11.4	5.8	8.8#		
68	6.5	4.2	6.2#		

Manual Integrations
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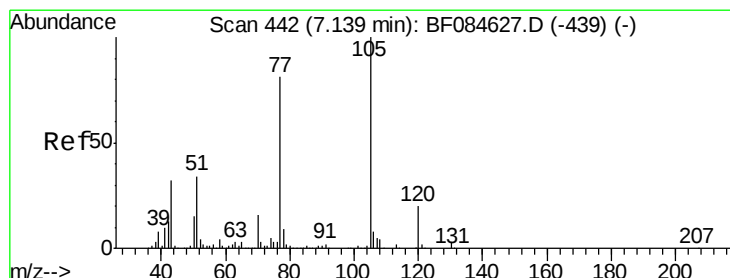
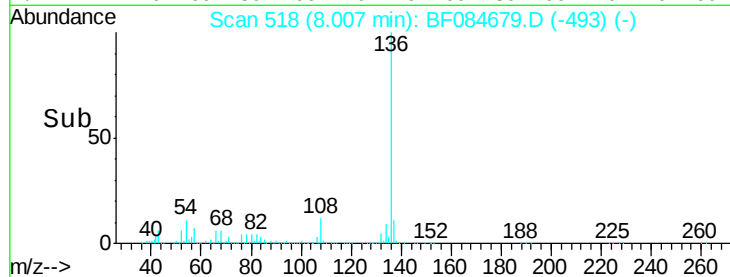
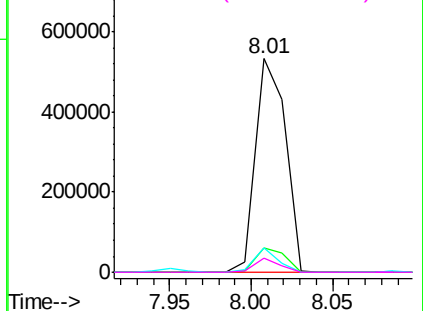
Abundance

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: 41.70 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		741290		
71	2.7	3.7	5.5#		
51	32.0	25.1	37.7		
120	20.1	16.6	25.0		

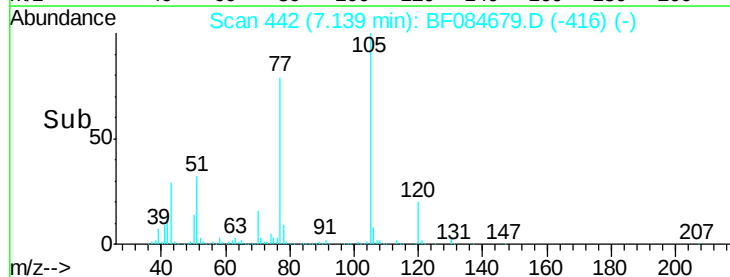
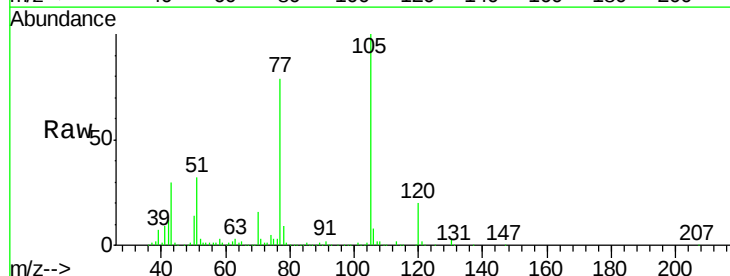
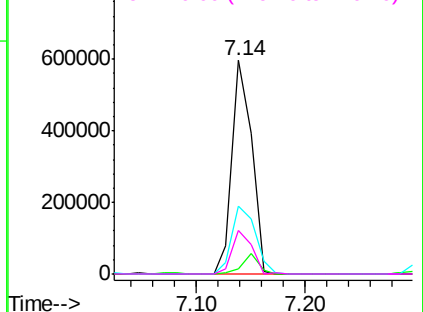
Abundance

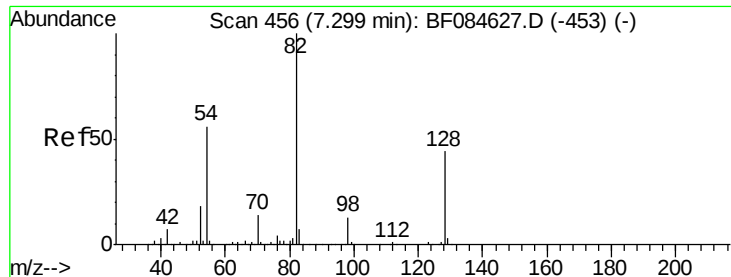
Ion 105.00 (104.70 to 105.70): E

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





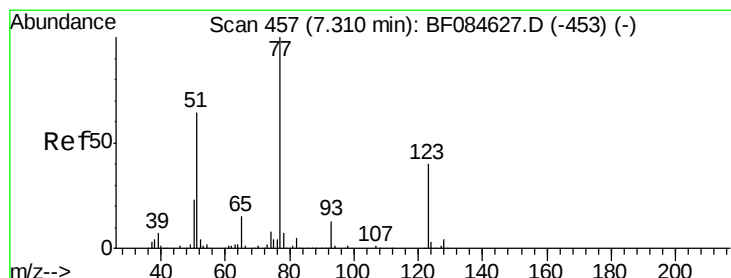
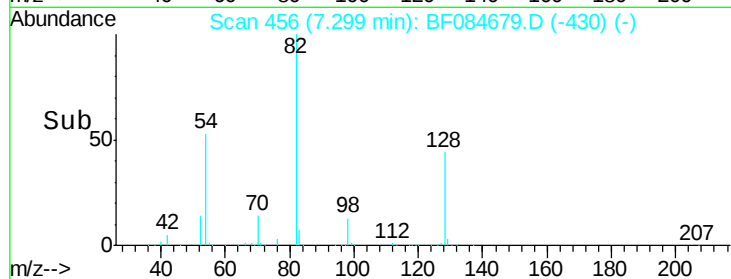
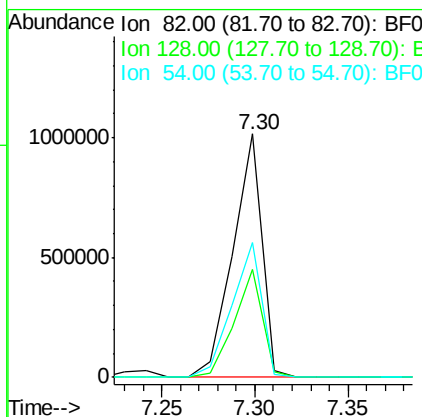
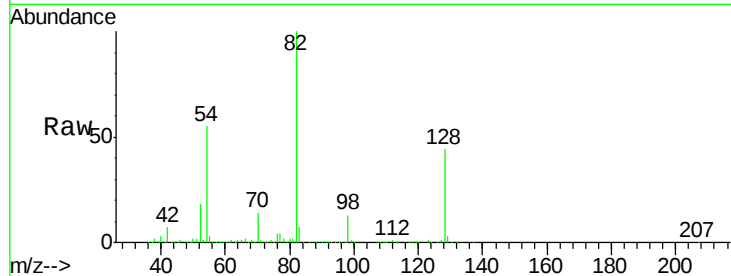
#23
Nitrobenzene-d5
Concen: 90.55 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	82	Resp	1102911
Ion Ratio	100	Lower	Upper
82	100		
128	44.1	34.6	51.8
54	55.4	38.4	57.6

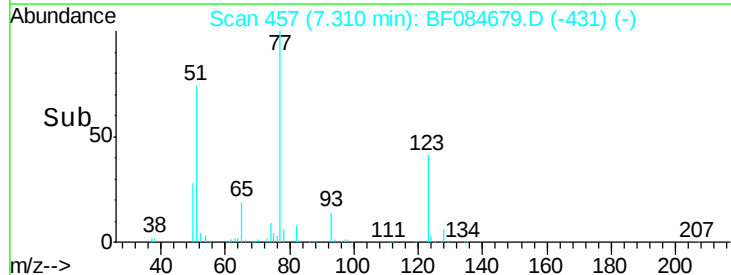
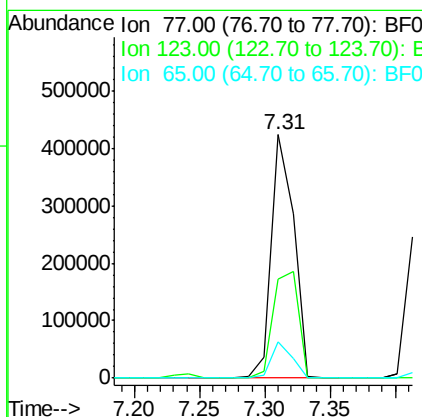
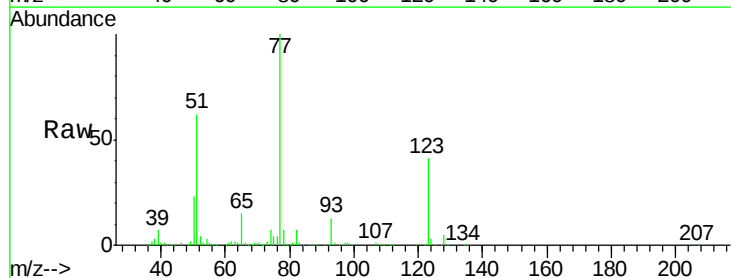
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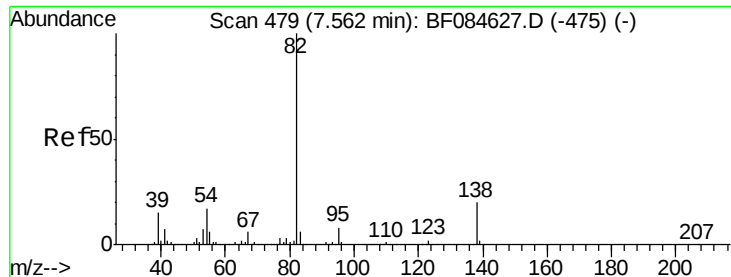
mohammad
2/1/2016 2:26:02 PM



#24
Nitrobenzene
Concen: 39.66 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	77	Resp	513433
Ion Ratio	100	Lower	Upper
77	100		
123	40.5	37.4	56.2
65	14.8	10.9	16.3





#25

Isophorone

Concen: 44.37 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion: 82 Resp: 1012516

Ion Ratio Lower Upper

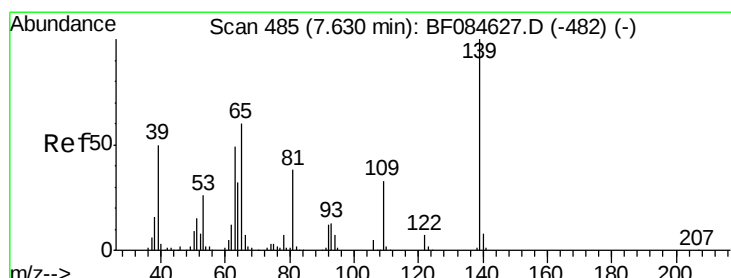
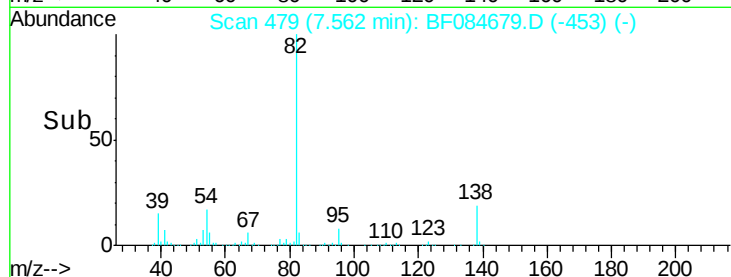
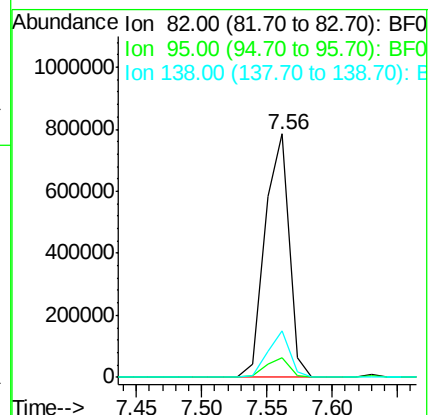
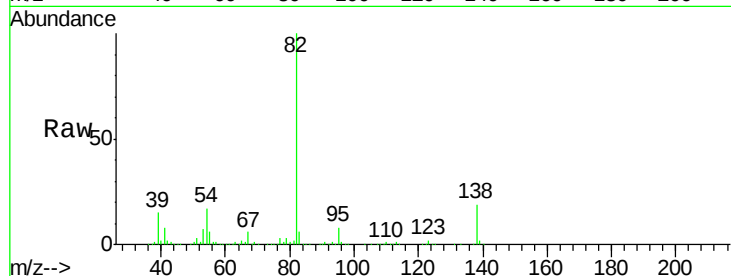
82 100

95 7.9 6.6 10.0

138 19.1 13.6 20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 43.44 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

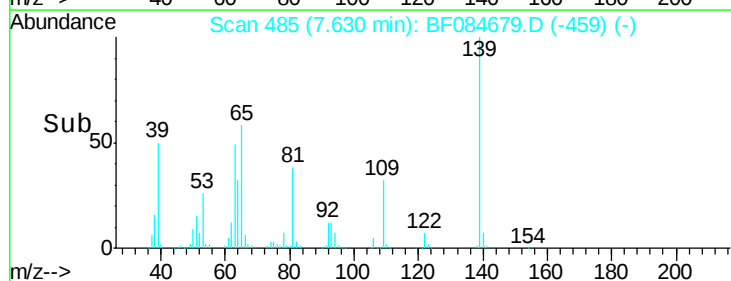
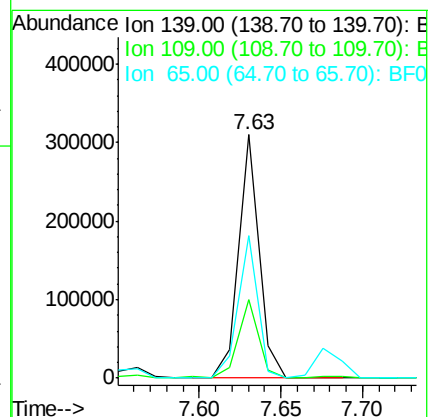
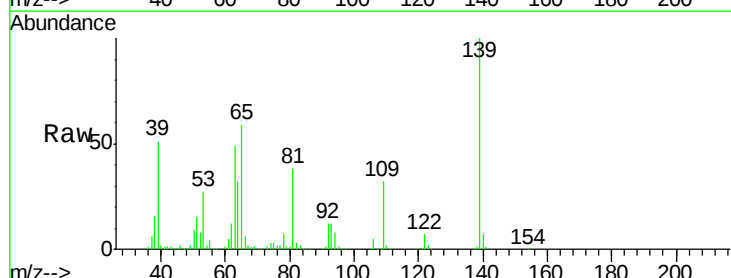
Tgt Ion: 139 Resp: 267411

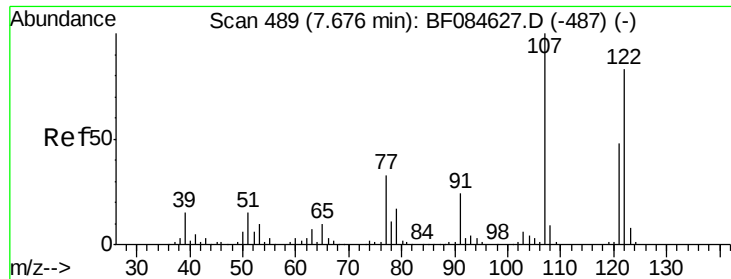
Ion Ratio Lower Upper

139 100

109 32.4 25.4 38.2

65 58.7 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 42.64 ng

RT: 7.69 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

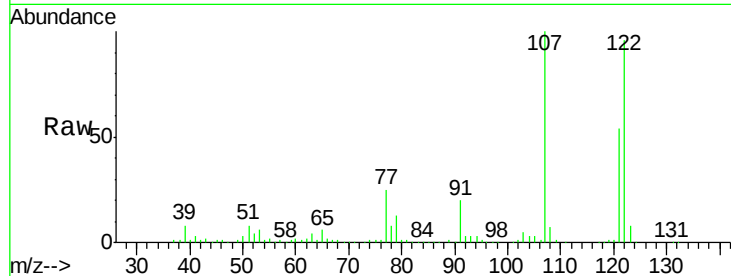
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	122	Resp:	460021
Ion Ratio	Lower	Upper	
122	100		
107	103.9	99.1	148.7
121	56.0	47.9	71.9

Manual Integrations
APPROVED

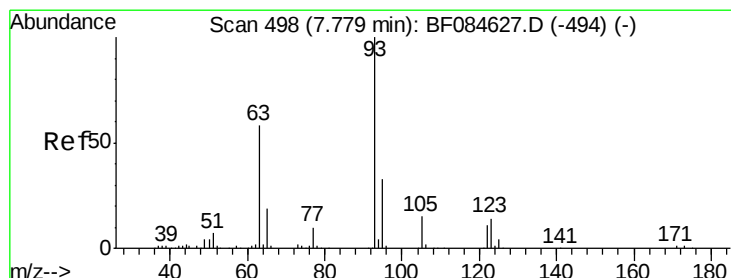
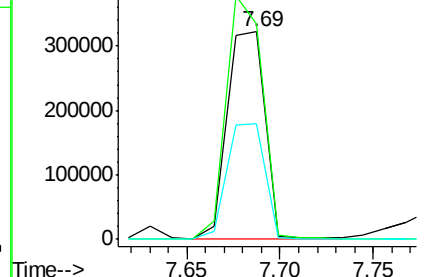
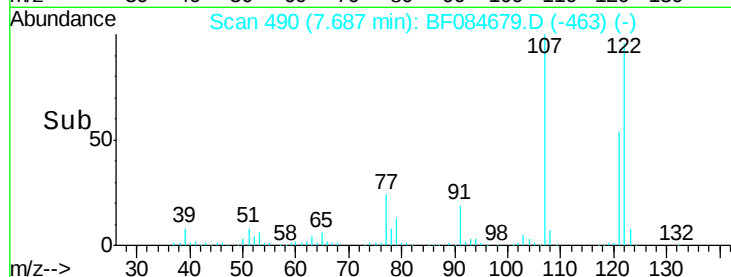
mohammad
2/1/2016 2:26:02 PM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.84 ng

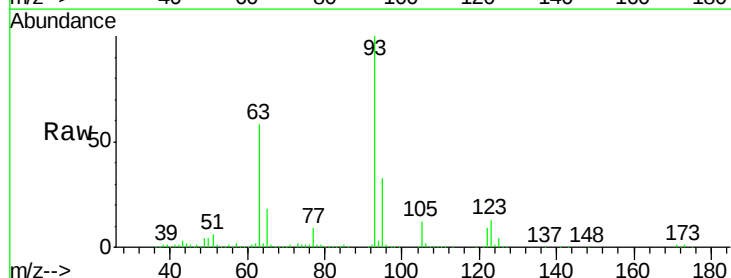
RT: 7.78 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

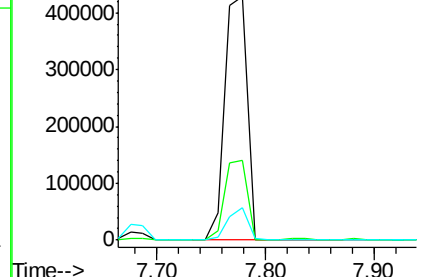
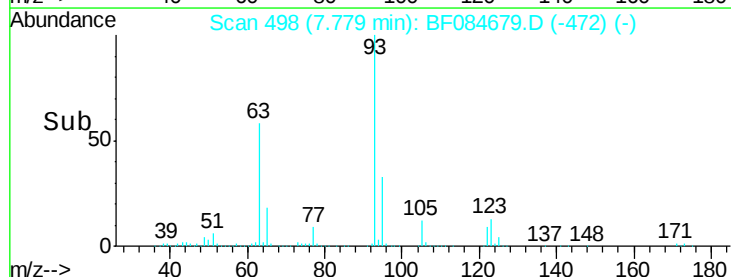
Tgt Ion:	93	Resp:	614085
Ion Ratio	Lower	Upper	
93	100		
95	32.9	25.8	38.6
123	13.1	8.6	12.8#

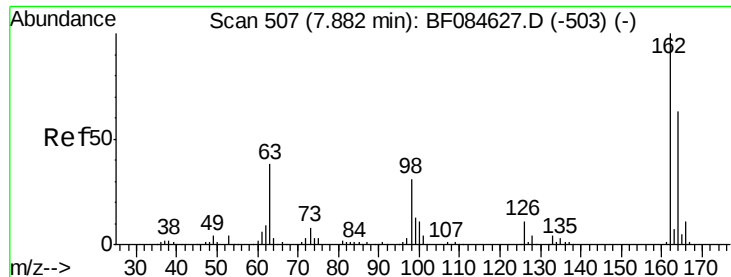


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





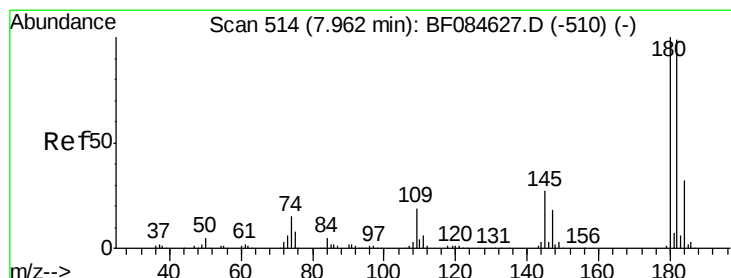
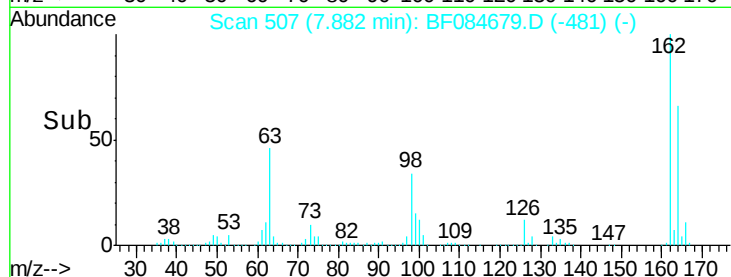
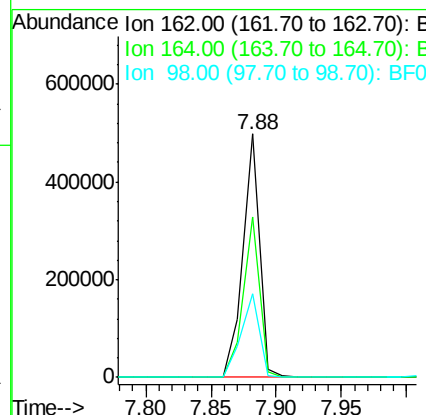
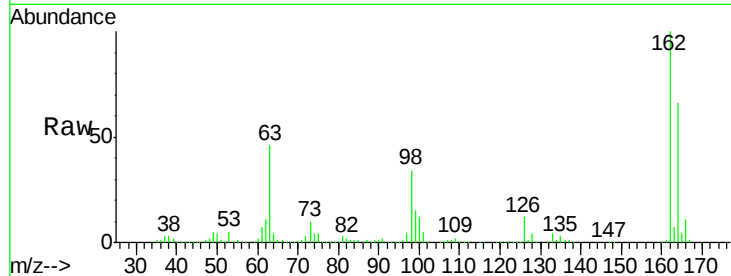
#29
 2,4-Dichlorophenol
 Concen: 46.64 ng
 RT: 7.88 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.7	44.1	84.1
98	34.3	20.2	60.2

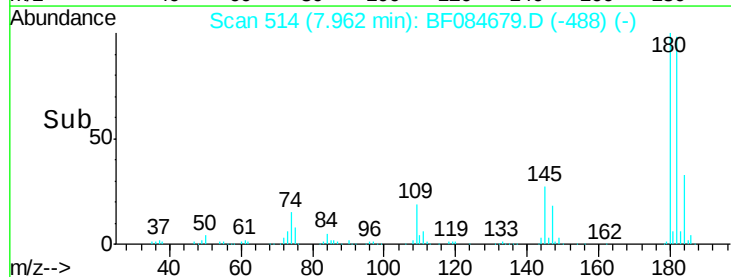
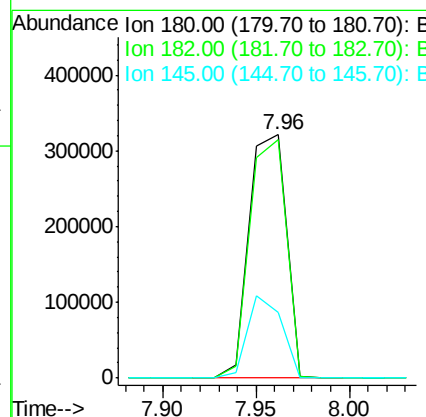
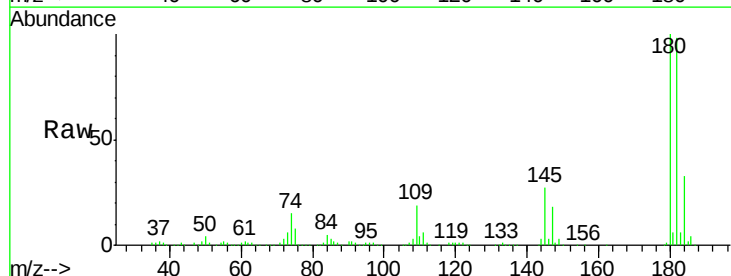
Manual Integrations
 APPROVED

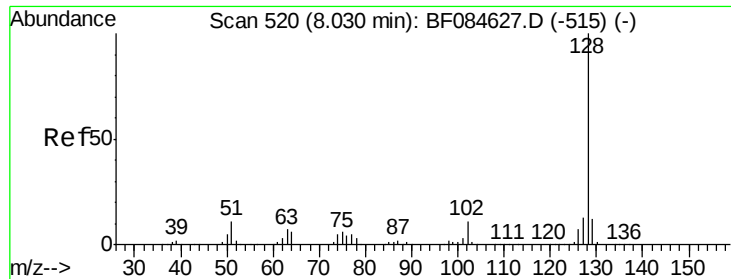
mohammad
 2/1/2016 2:26:02 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 41.09 ng
 RT: 7.96 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.7	76.4	114.6
145	27.0	31.6	47.4





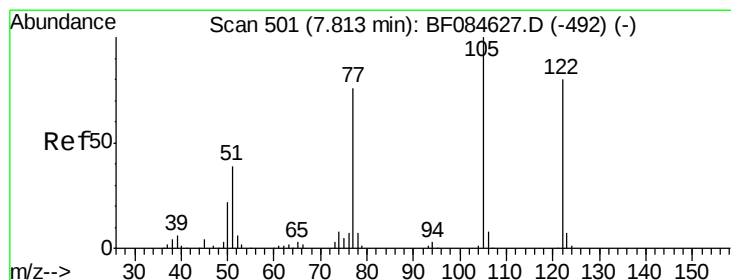
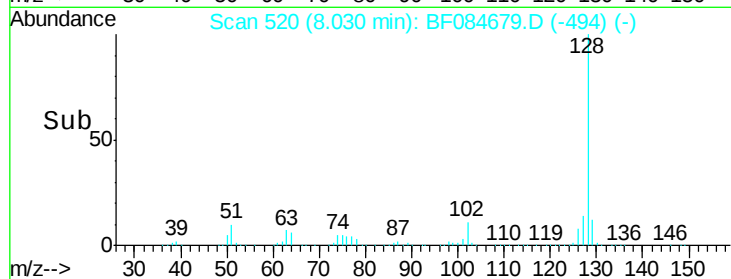
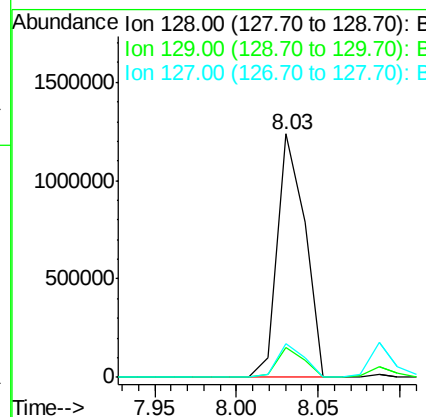
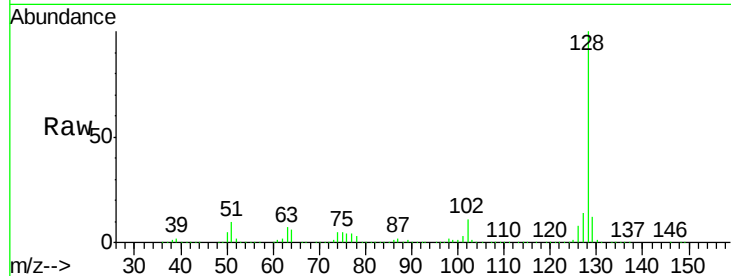
#31
Naphthalene
Concen: 42.57 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	13.7	11.1	16.7

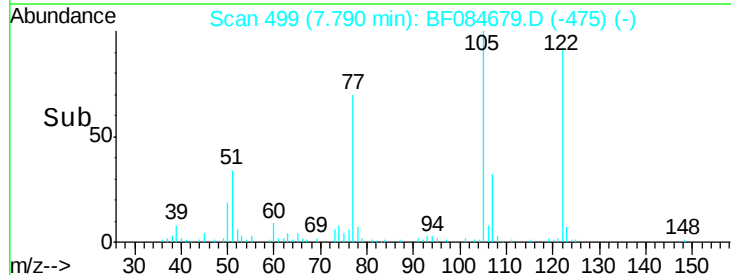
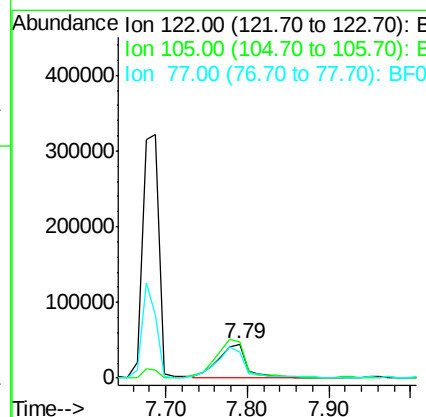
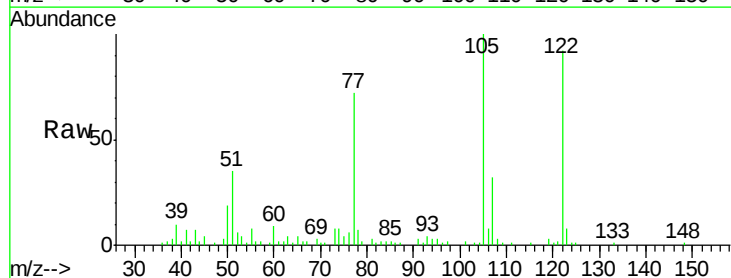
Manual Integrations
APPROVED

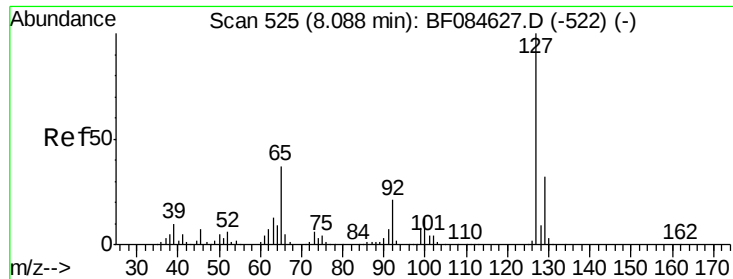
mohammad
2/1/2016 2:26:02 PM



#32
Benzoic acid
Concen: 13.04 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.02 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	108.2	100.3	140.3
77	77.9	63.5	103.5





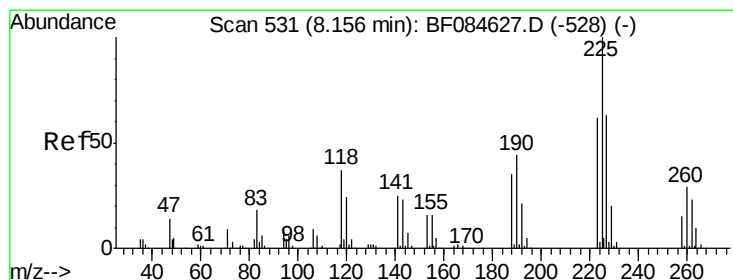
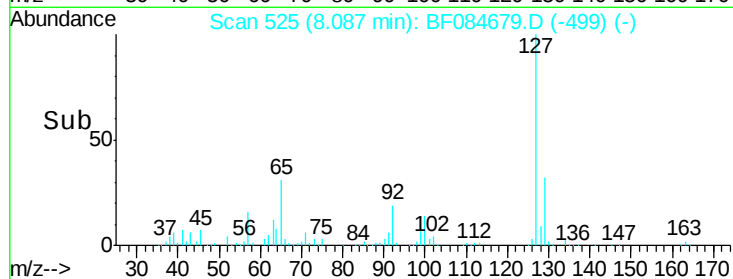
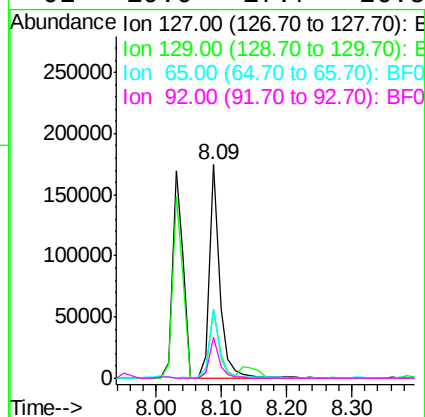
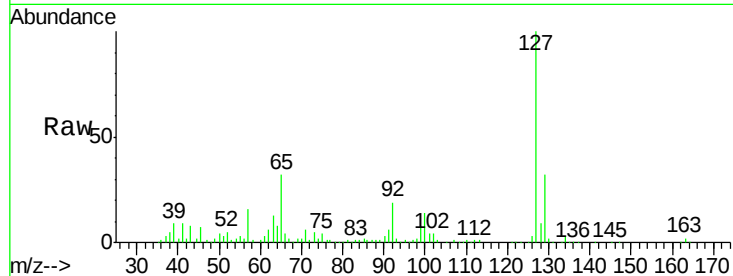
#33
4-Chloroaniline
Concen: 13.96 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.4	26.5	39.7		
65	32.3	27.2	40.8		
92	19.0	17.7	26.5		

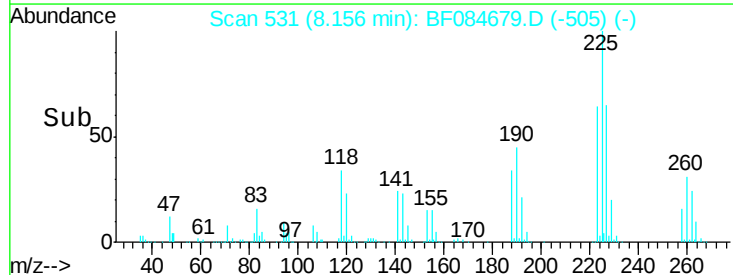
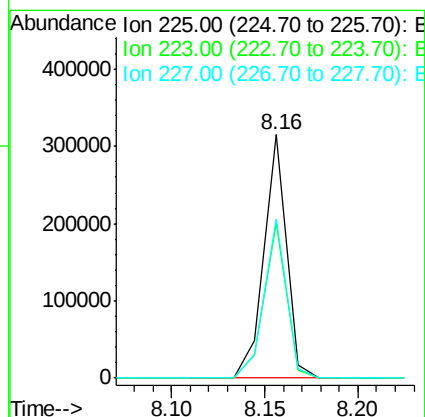
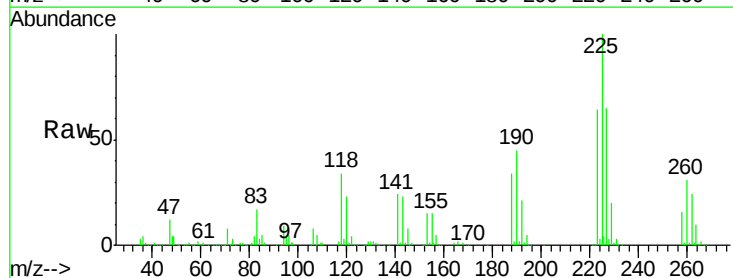
Manual Integrations
APPROVED

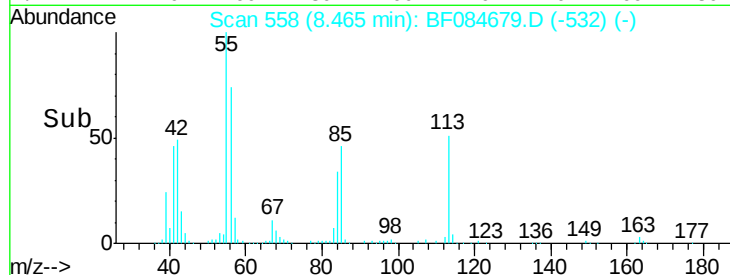
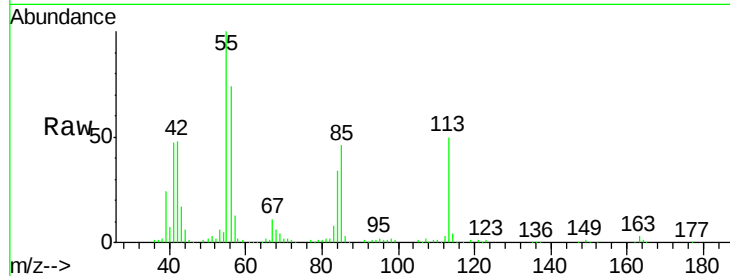
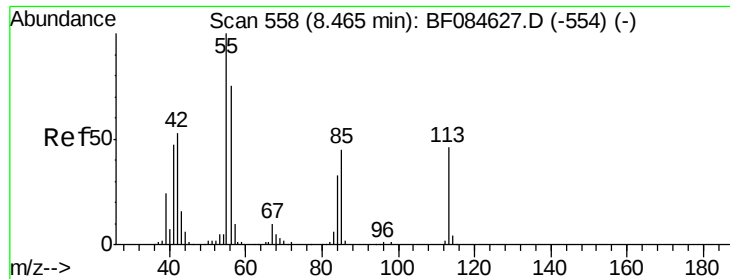
mohammad
2/1/2016 2:26:02 PM



#34
Hexachlorobutadiene
Concen: 41.12 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.9	49.4	74.0		
227	65.2	50.8	76.2		





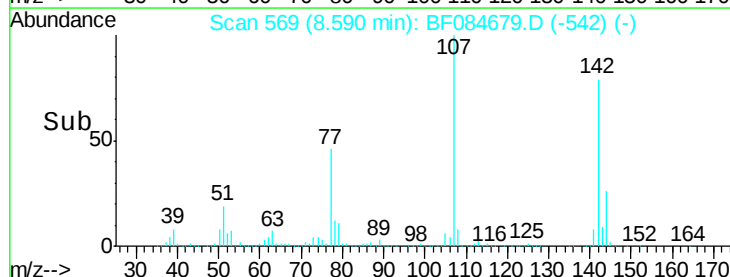
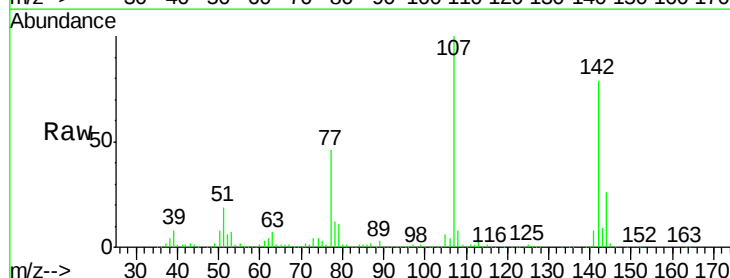
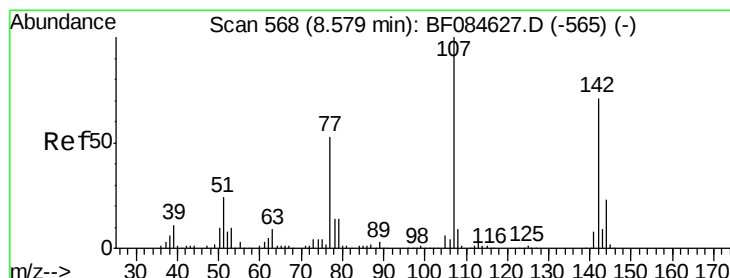
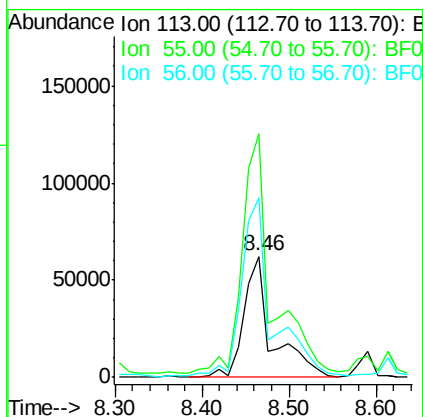
#35
Caprolactam
Concen: 50.76 ng
RT: 8.46 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	201.1	116.9	156.9#	
56	148.5	93.8	133.8#	

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

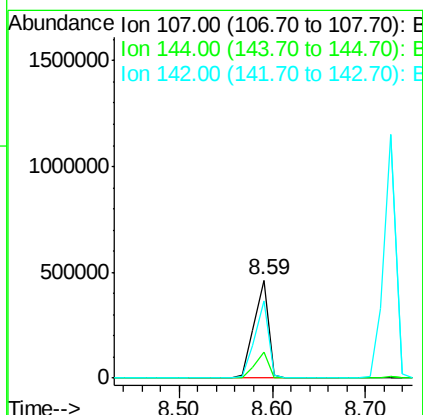
Manual Integrations
APPROVED

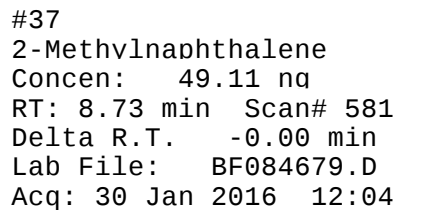
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 48.25 ng
RT: 8.59 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	26.0	19.7	29.5	
142	79.1	61.8	92.6	



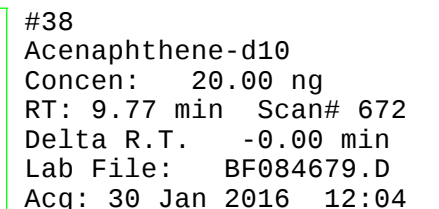
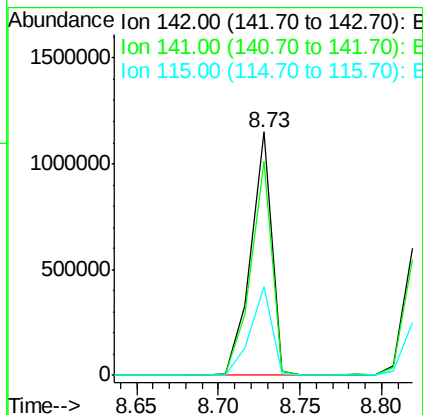


Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

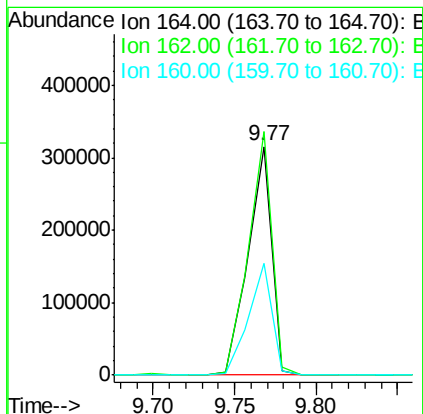
Manual Integrations APPROVED

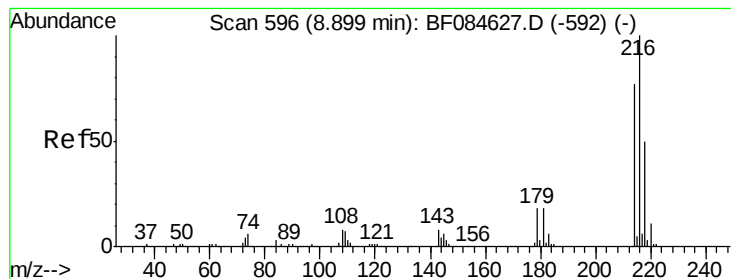
mohammad
2/1/2016 2:26:02 PM

Tqt	Ion:142	Resp:	1035747
Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.4	108.6
115	36.6	27.9	41.9



Tgt	Ion:164	Resp:	316306
Ion	Ratio	Lower	Upper
164	100		
162	106.6	85.1	127.7
160	49.1	37.5	56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.92 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.00 min

Lab File: BF084679.D

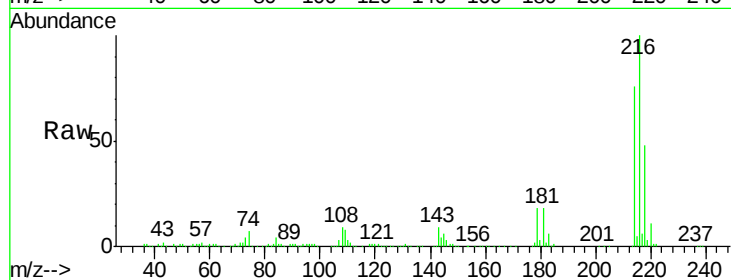
Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)MSD



Tot Ion:216 Resp: 399252

Ion Ratio Lower Upper

216 100

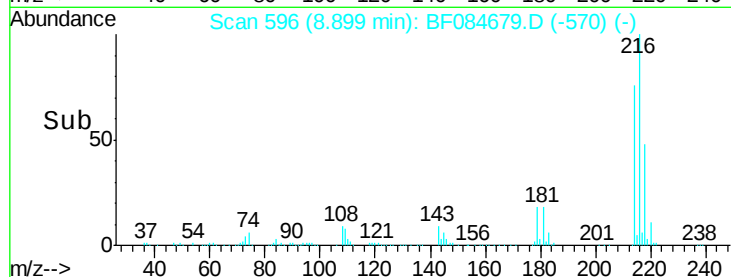
214 76.8 64.2 96.2

179 22.4 18.7 28.1

108 21.2 16.8 25.2

Manual Integrations
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2/1/2016 2:26:02 PM

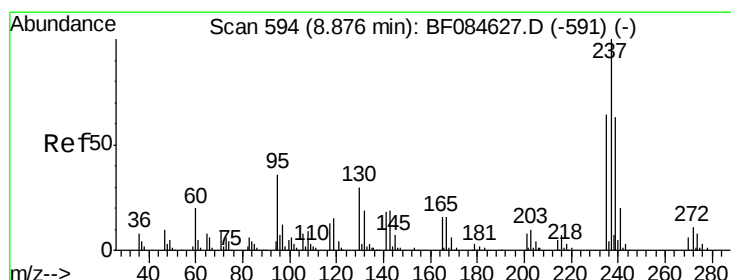
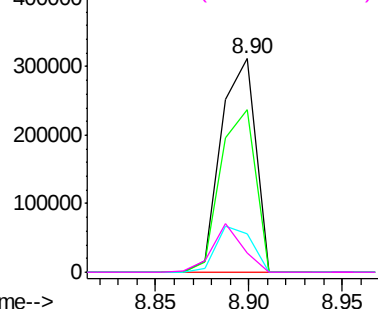


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 61.25 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

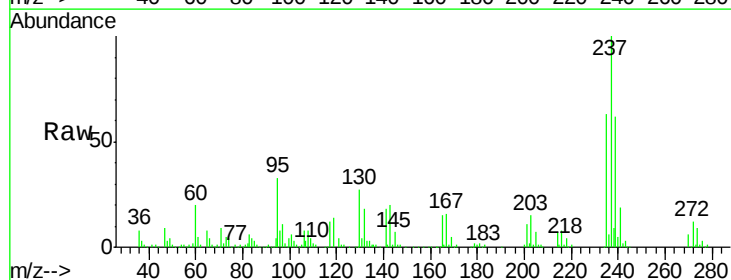
Tgt Ion:237 Resp: 285652

Ion Ratio Lower Upper

237 100

235 63.0 43.1 83.1

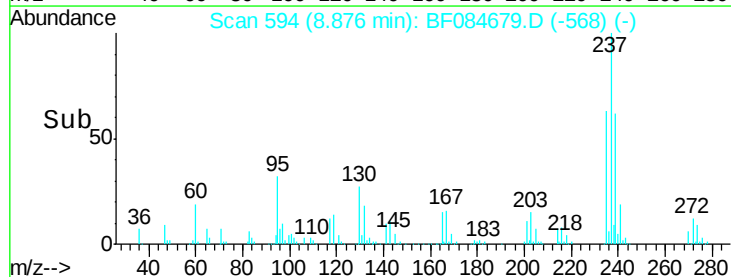
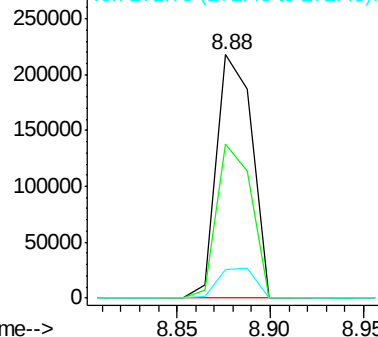
272 11.5 0.0 35.1

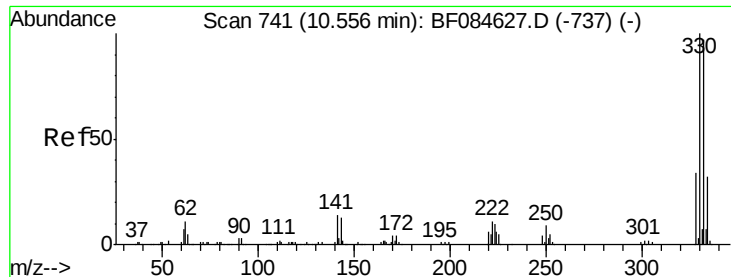


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





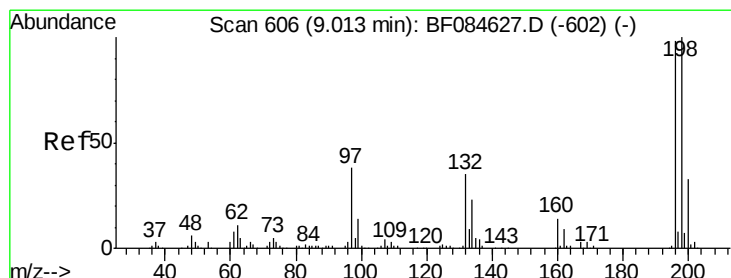
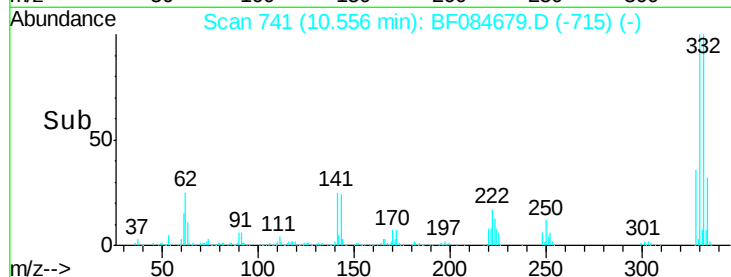
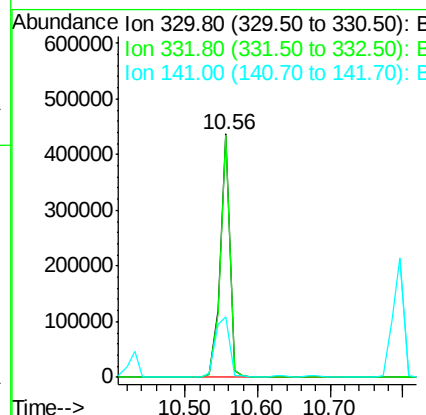
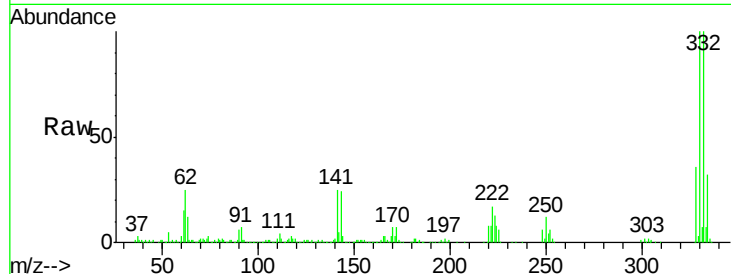
#41
 2,4,6-Tribromophenol
 Concen: 120.70 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	400143		
332	98.2	76.6	114.8	
141	36.4	27.8	41.6	

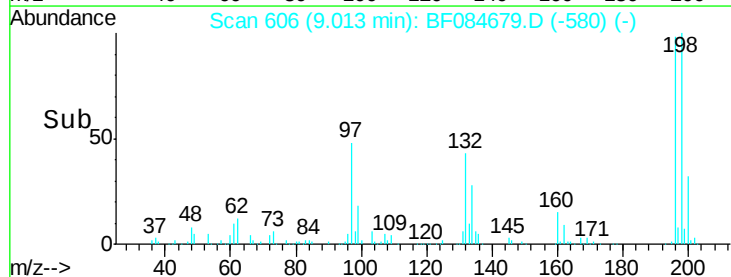
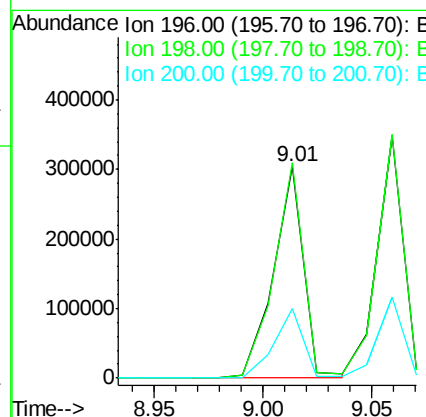
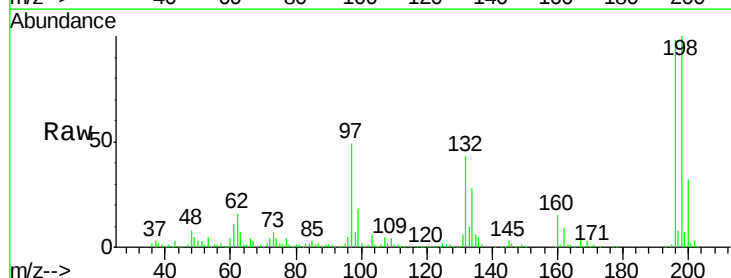
Manual Integrations
 APPROVED

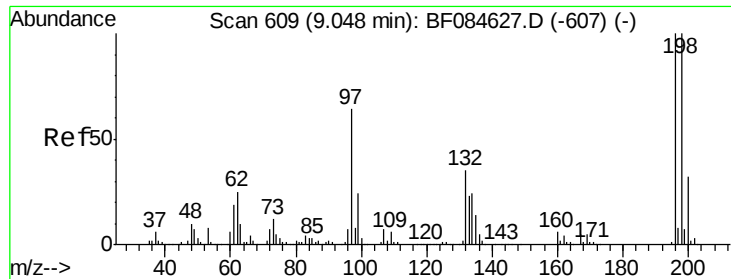
mohammad
 2/1/2016 2:26:02 PM



#42
 2,4,6-Trichlorophenol
 Concen: 46.12 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	293901		
198	102.1	77.7	116.5	
200	32.8	24.6	37.0	





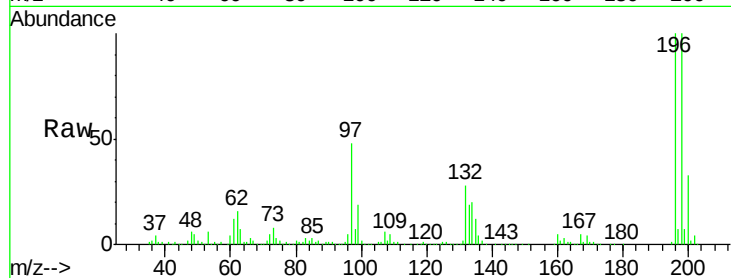
#43
2,4,5-Trichlorophenol
Concen: 44.80 ng
RT: 9.06 min Scan# 610
Delta R.T. 0.01 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

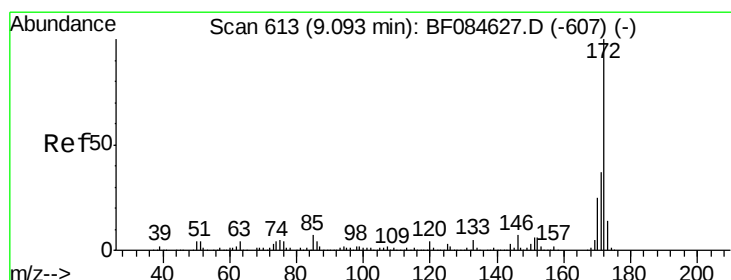
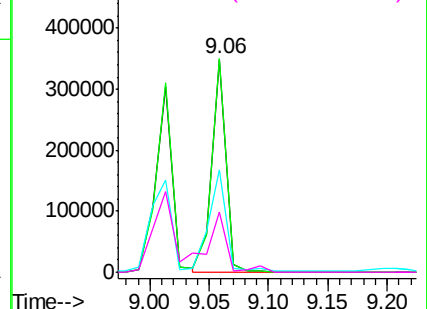
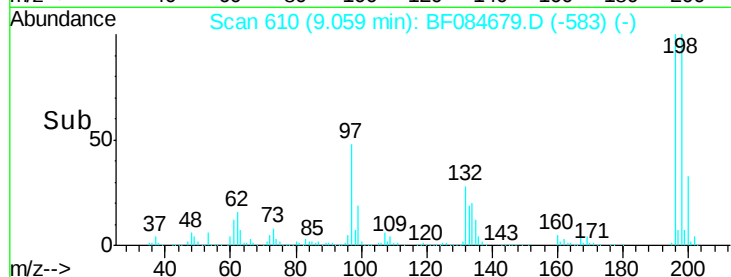
Tot Ion:	196	Resp:	294744
Ion Ratio	Lower	Upper	
196	100		
198	100.3	79.0	118.6
97	48.4	33.0	49.6
132	28.4	21.1	31.7

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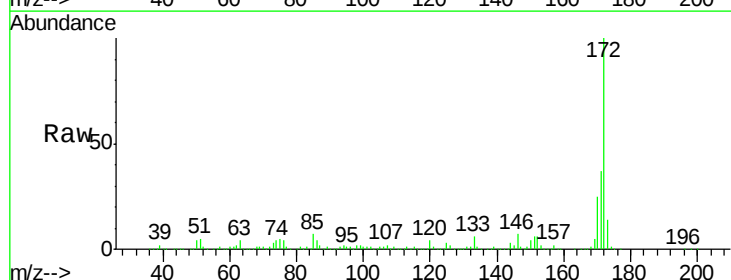


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

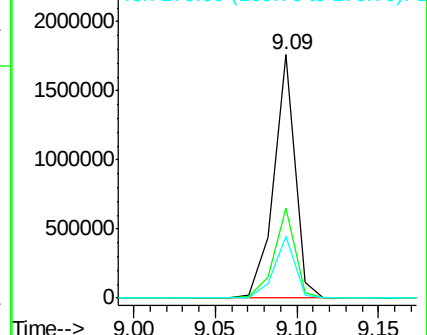
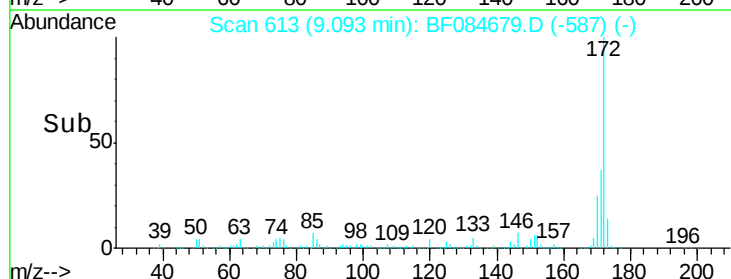


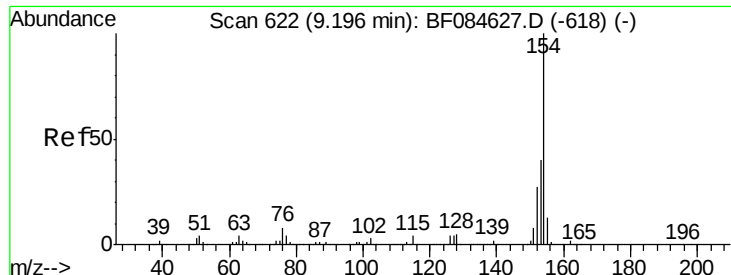
#44
2-Fluorobiphenyl
Concen: 75.43 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion:	172	Resp:	1605111
Ion Ratio	Lower	Upper	
172	100		
171	37.0	28.9	43.3
170	25.2	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





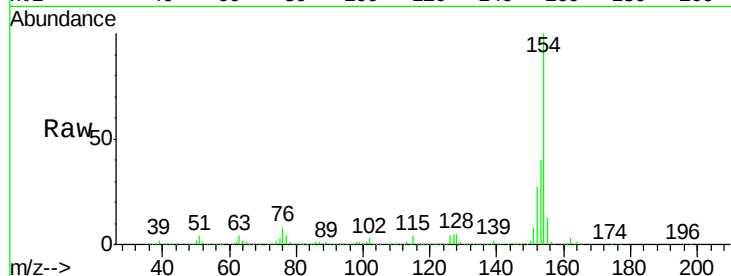
#45
1,1'-Biphenyl
Concen: 40.48 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

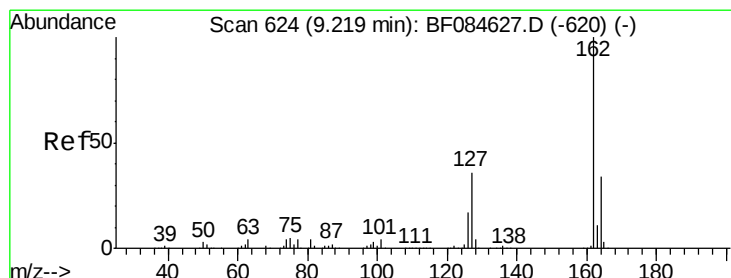
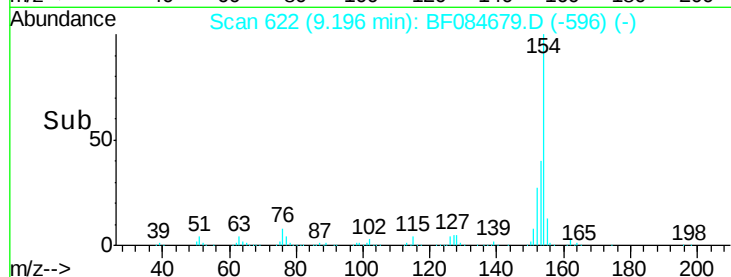
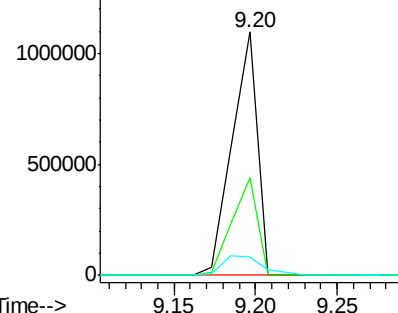
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.6	61.6
76	7.6	0.0	32.7

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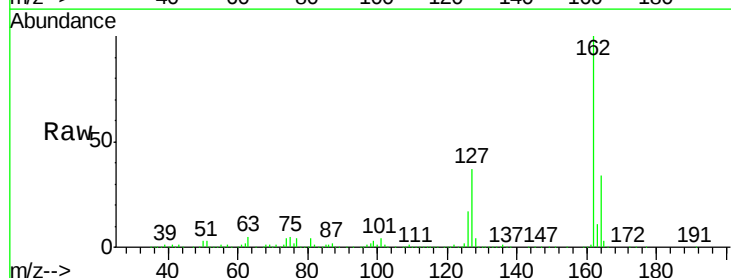


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

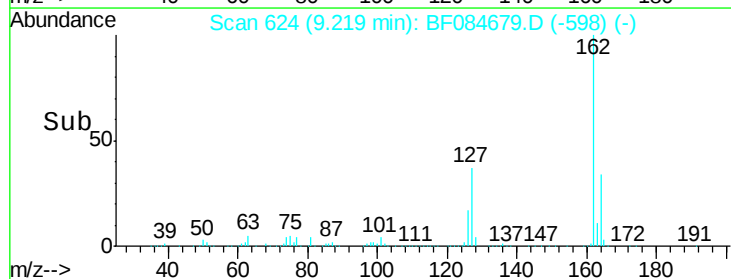
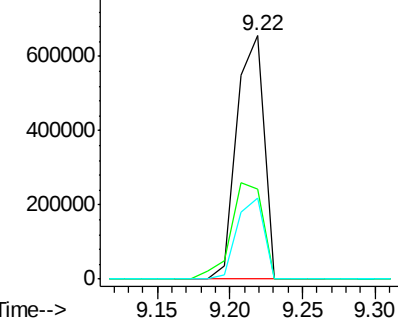


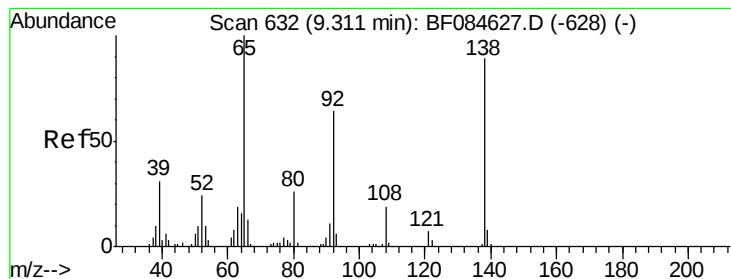
#46
2-Chloronaphthalene
Concen: 40.43 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.8	40.2	60.4#
164	33.5	25.7	38.5



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: 39.62 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

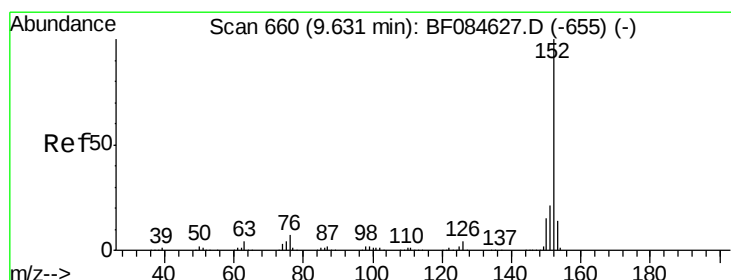
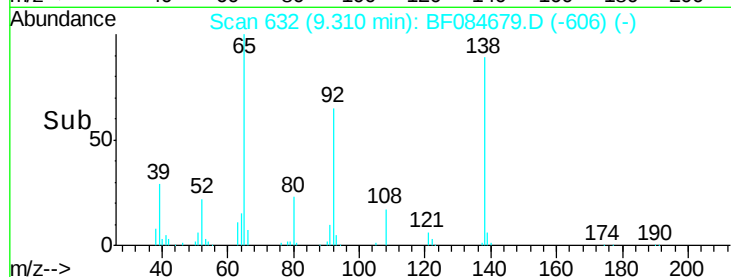
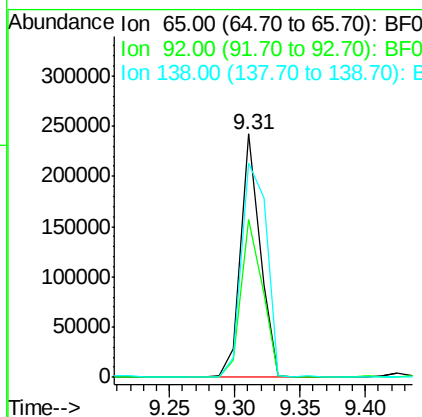
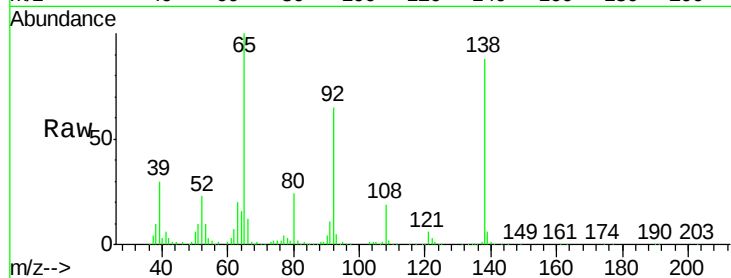
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	65	Resp:	251662
Ion Ratio	Lower	Upper	
65	100		
92	65.0	53.4	80.2
138	88.1	71.1	106.7

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#48

Acenaphthylene

Concen: 41.53 ng

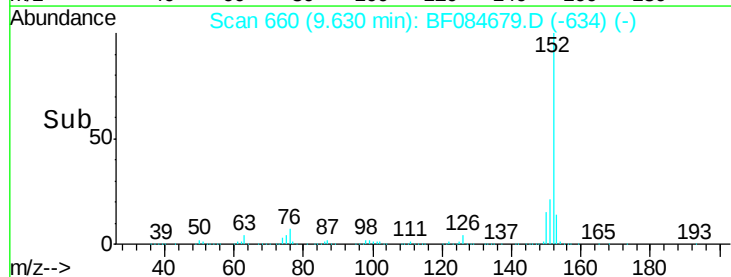
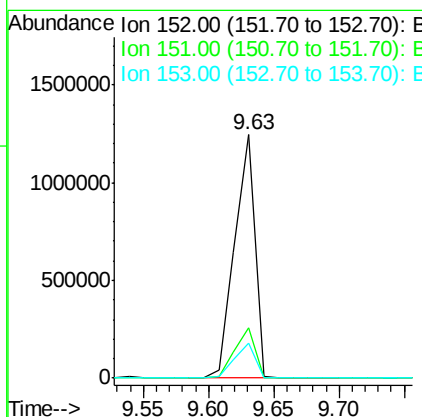
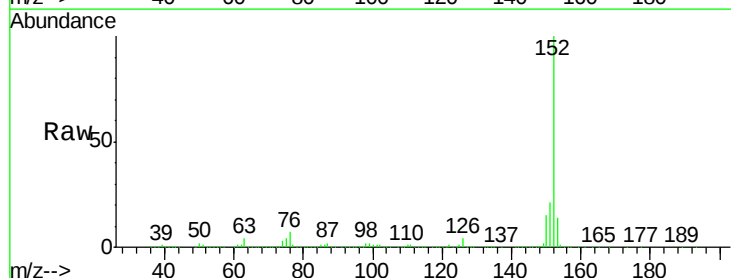
RT: 9.63 min Scan# 660

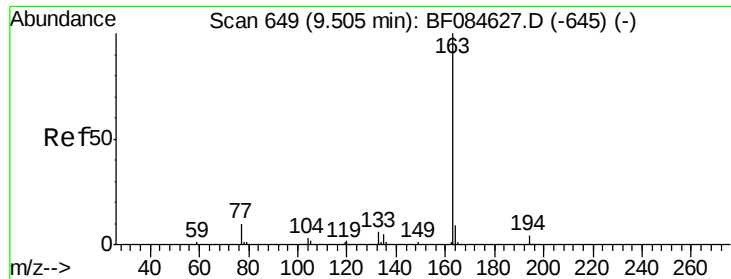
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	152	Resp:	1331018
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	14.1	10.4	15.6





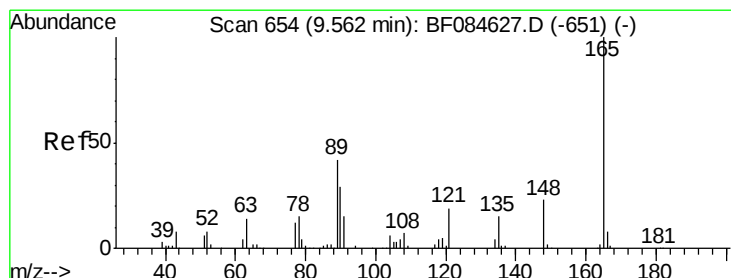
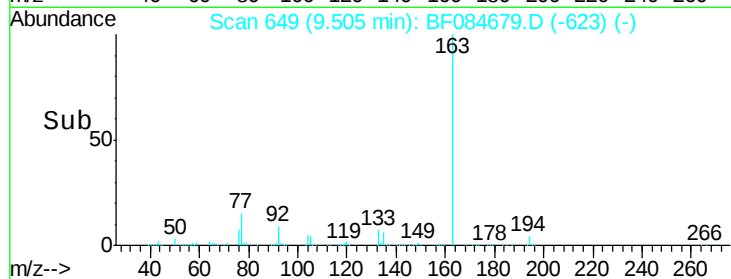
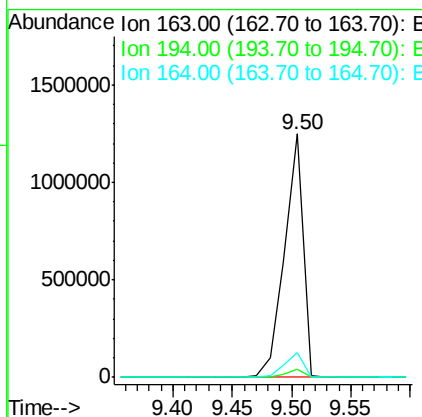
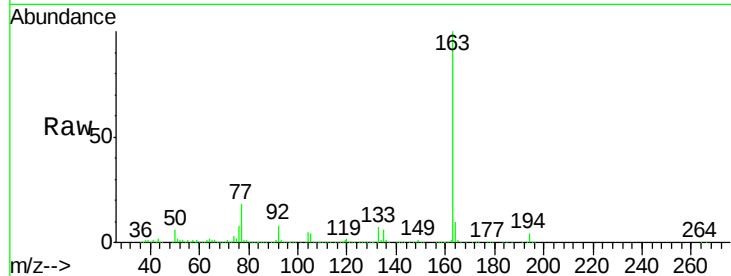
#49
Dimethylphthalate
Concen: 56.59 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion:163 Resp: 1343409
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 10.1 8.0 12.0

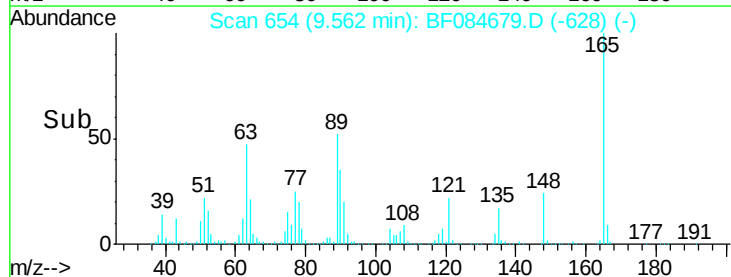
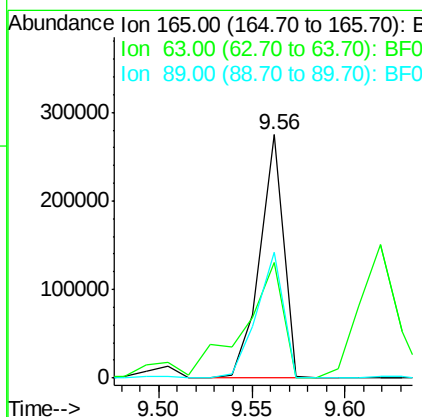
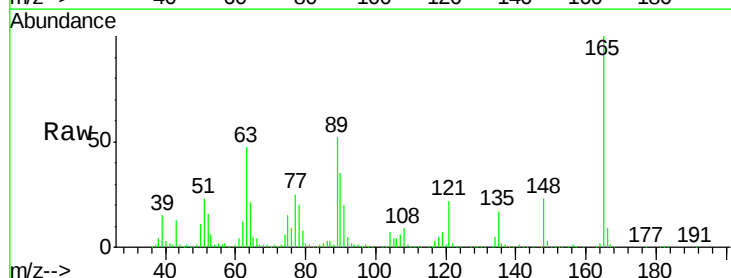
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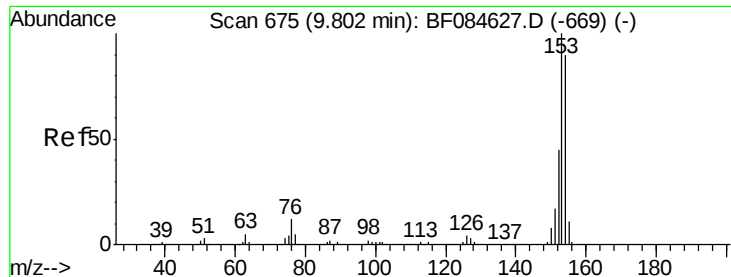
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#50
2,6-Dinitrotoluene
Concen: 46.24 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion:165 Resp: 241549
Ion Ratio Lower Upper
165 100
63 47.4 28.8 43.2#
89 51.8 35.1 52.7





#51

Acenaphthene

Concen: 40.06 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

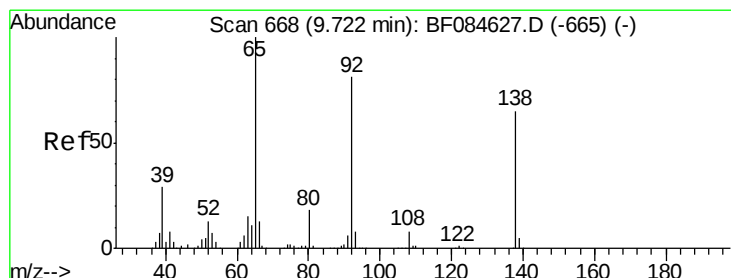
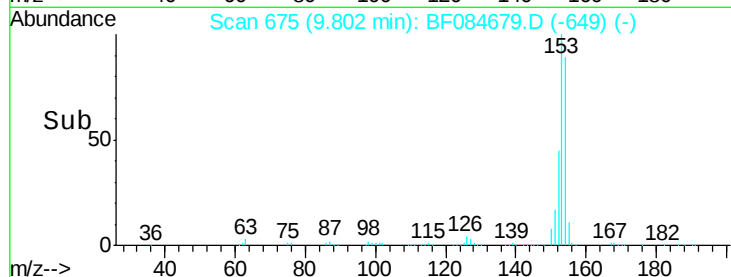
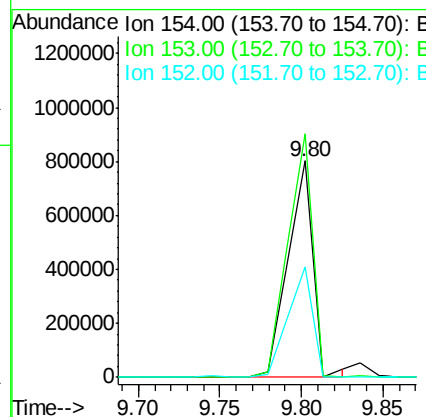
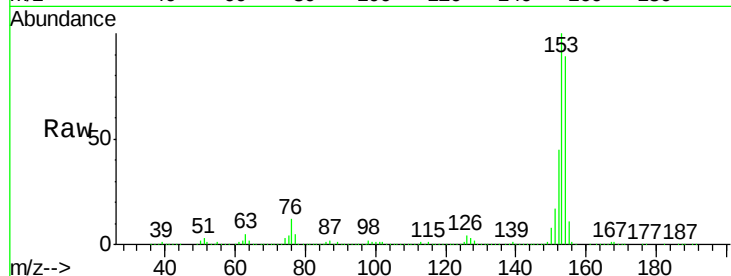
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	154	Resp:	859620
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.5	137.3
152	50.9	43.0	64.6

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#52

3-Nitroaniline

Concen: 27.08 ng

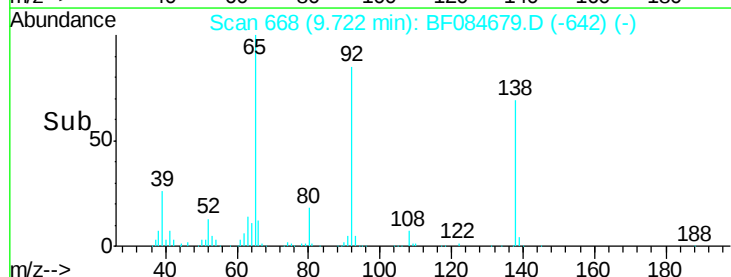
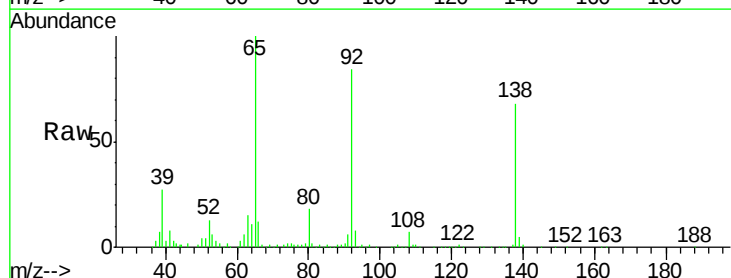
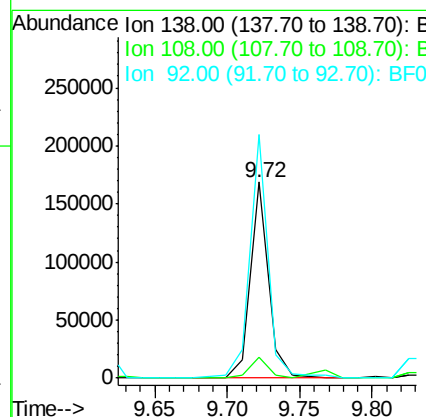
RT: 9.72 min Scan# 668

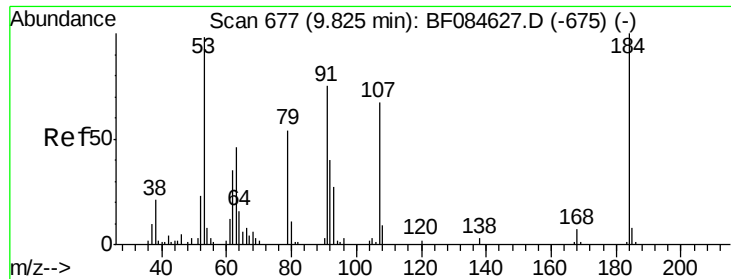
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	138	Resp:	147813
Ion Ratio	Lower	Upper	
138	100		
108	10.8	10.5	15.7
92	124.1	103.9	155.9





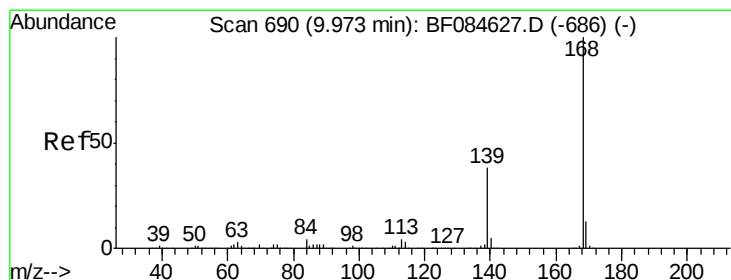
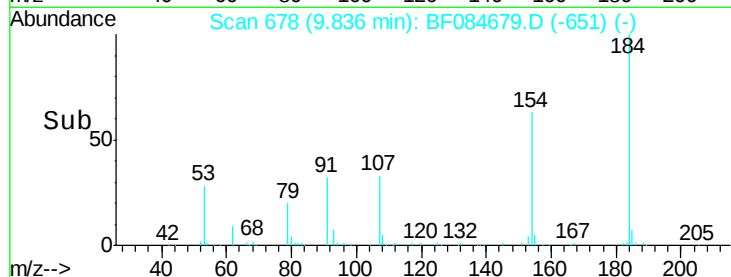
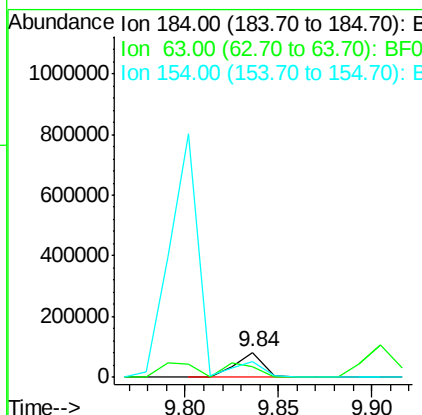
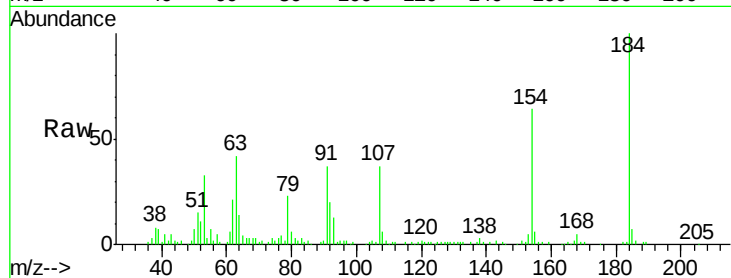
#53
 2,4-Dinitrophenol
 Concen: 34.51 ng
 RT: 9.84 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	41.6	43.1	64.7#
154	63.5	60.5	90.7

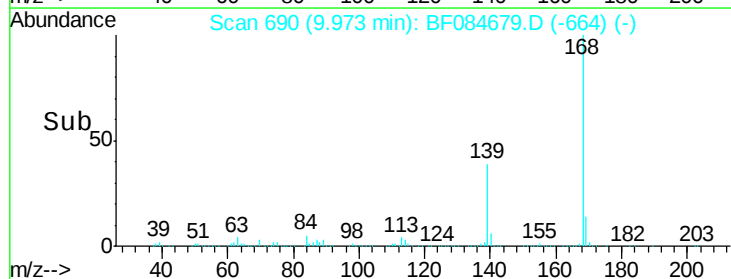
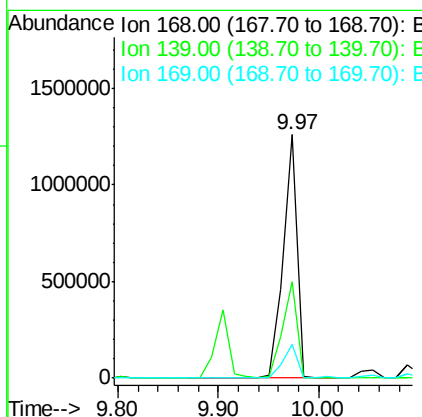
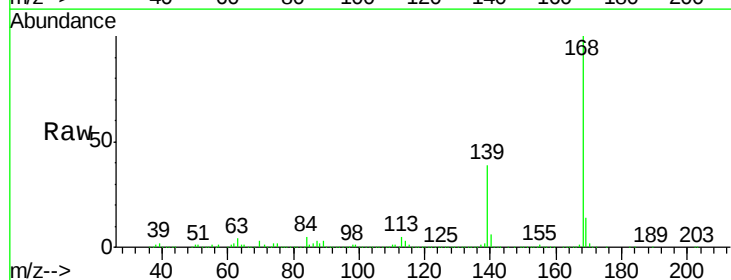
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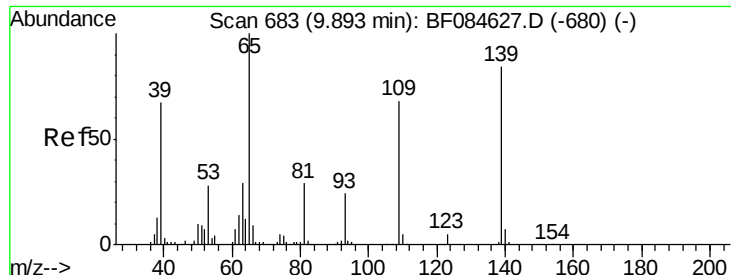
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#54
 Dibenzofuran
 Concen: 46.93 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.5	45.7
169	13.8	10.4	15.6





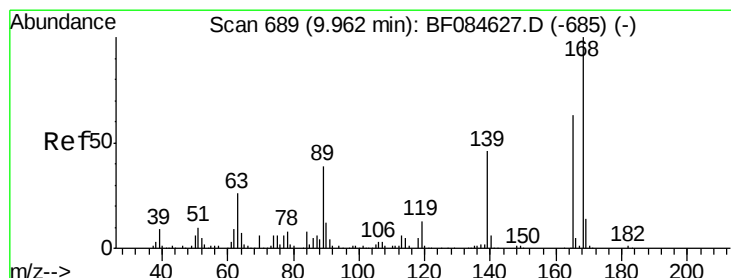
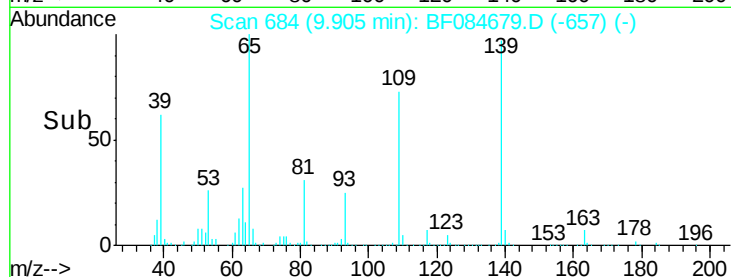
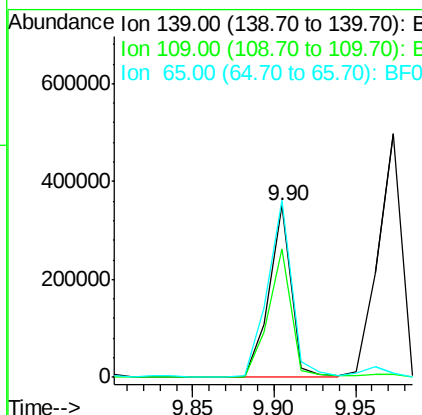
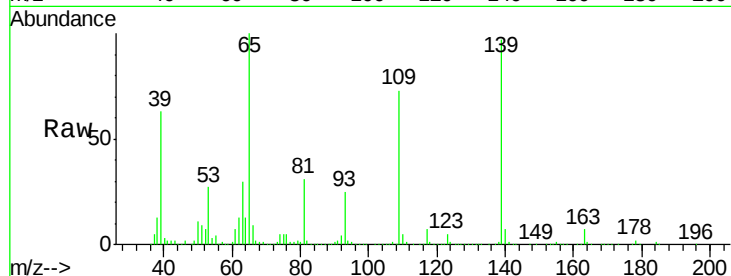
#55
4-Nitrophenol
Concen: 83.98 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.01 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	75.0	58.5	98.5	
65	103.0	57.6	97.6	

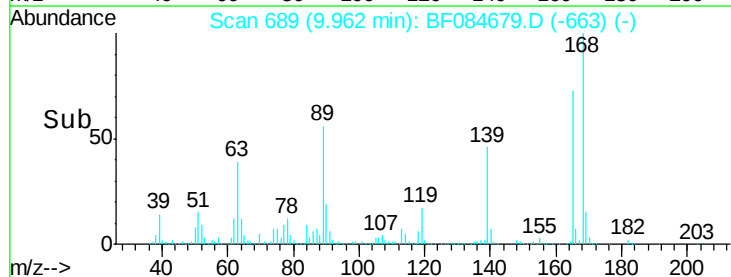
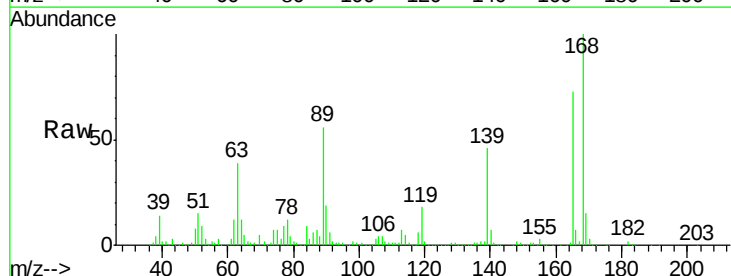
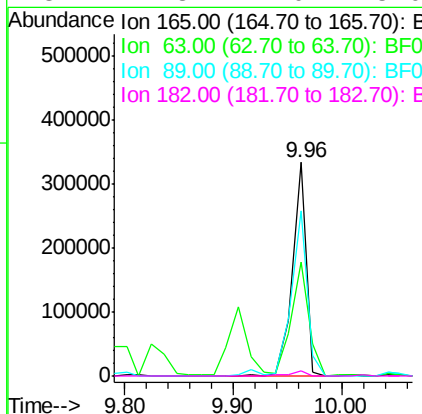
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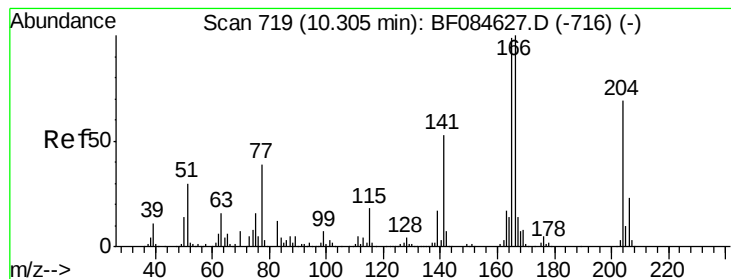
mohammad
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#56
2,4-Dinitrotoluene
Concen: 44.06 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.3	36.7	55.1	
89	77.1	61.9	92.9	
182	2.3	2.0	3.0	





#57

Fluorene

Concen: 40.27 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:166 Resp: 874226

Ion Ratio Lower Upper

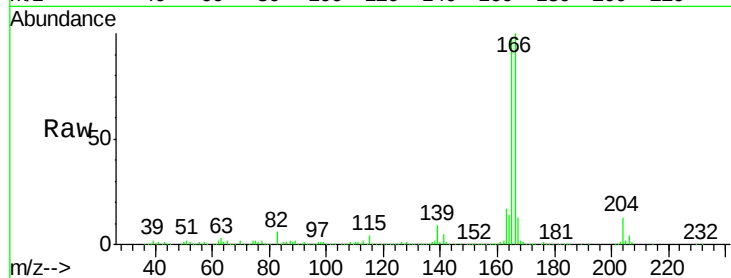
166 100

165 98.3 79.1 118.7

167 13.3 10.4 15.6

Manual Integrations
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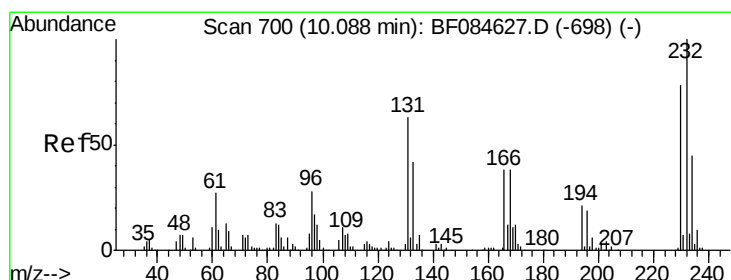
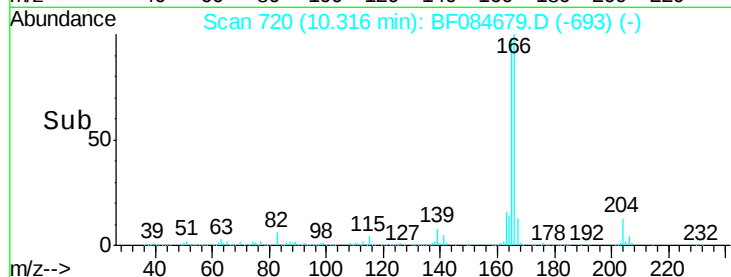
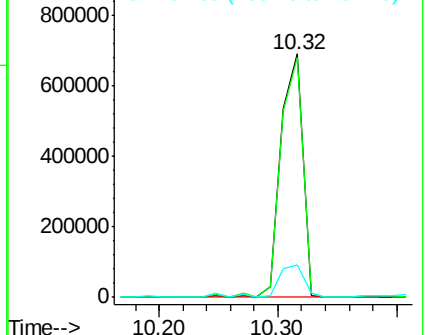
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.03 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:232 Resp: 219019

Ion Ratio Lower Upper

232 100

131 50.5 47.0 70.6

130 3.0 2.0 3.0#

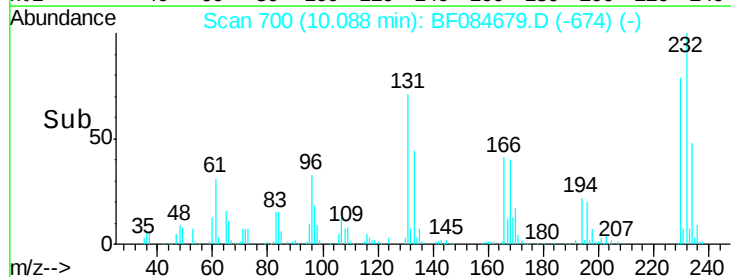
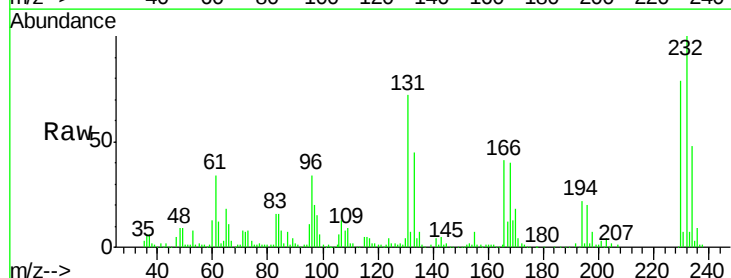
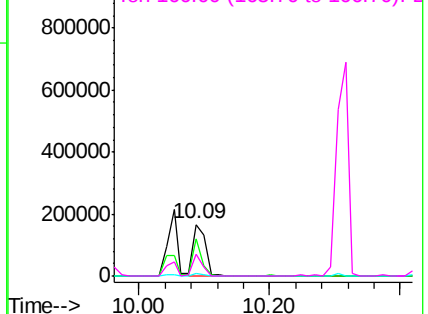
166 31.3 30.5 45.7

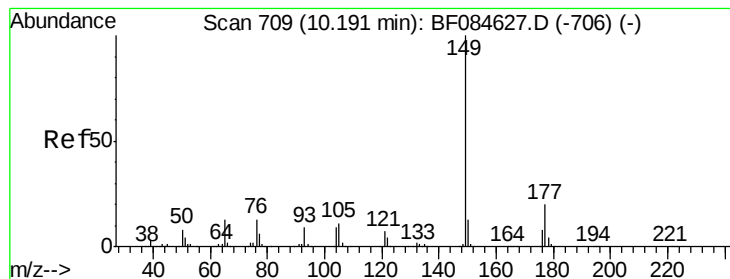
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 42.57 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

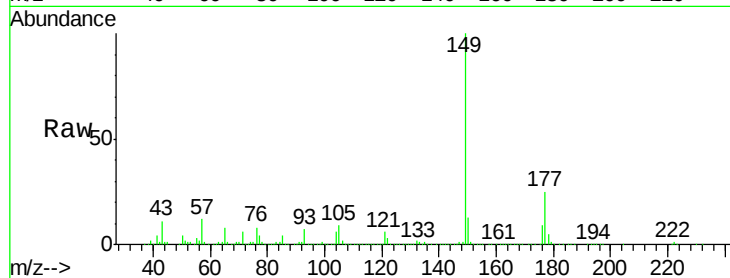
ClientSampleId :

SUP-B015(6-9)MSD

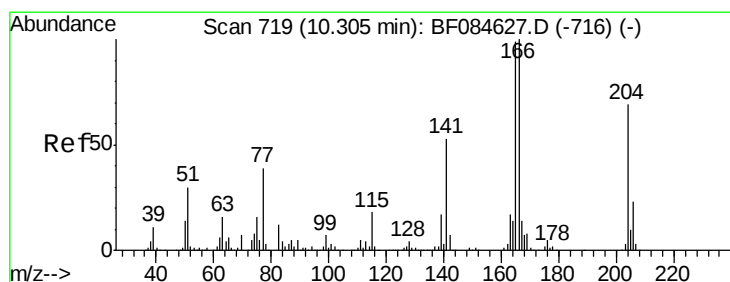
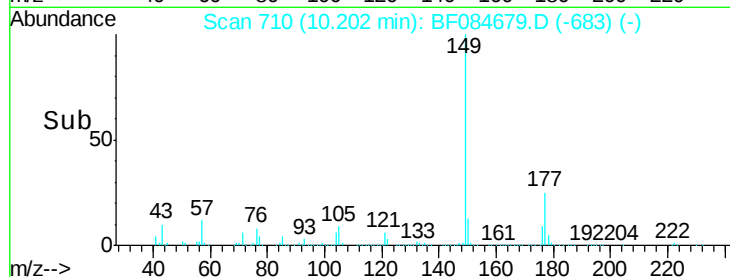
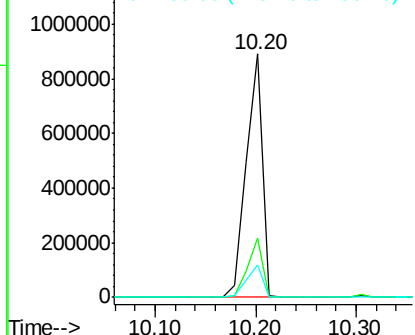
Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		989215		
177	24.6	17.3	25.9		
150	13.1	9.8	14.8		

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



#60

4-Chlorophenyl-phenylether

Concen: 39.10 ng

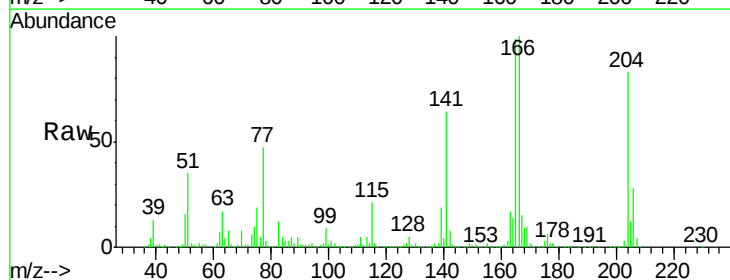
RT: 10.30 min Scan# 719

Delta R.T. 0.00 min

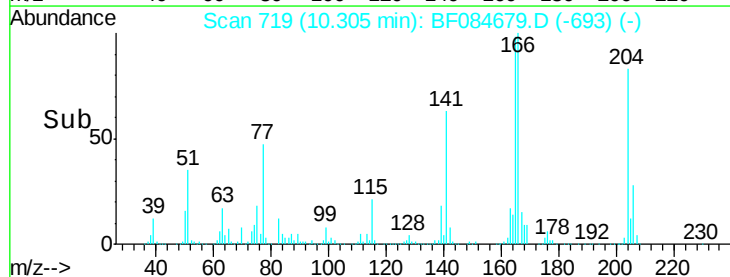
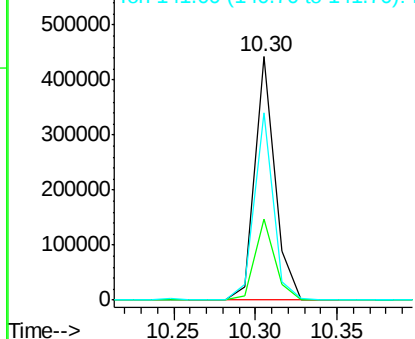
Lab File: BF084679.D

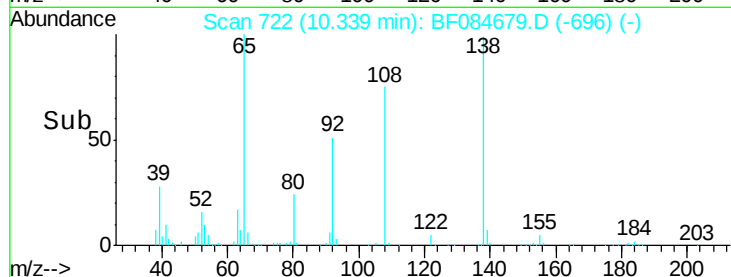
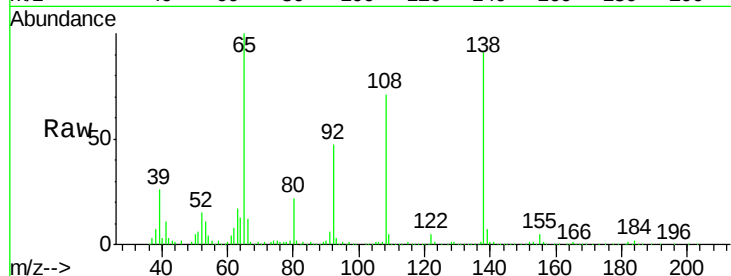
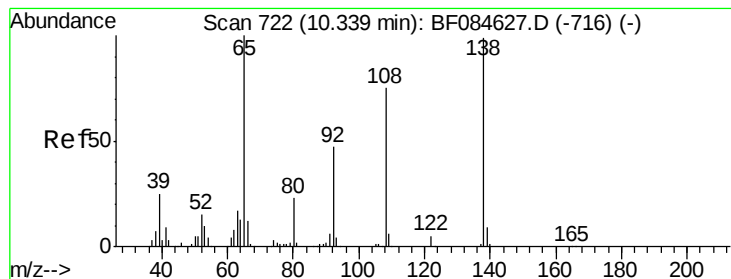
Acq: 30 Jan 2016 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
204	100		381105		
206	33.5	25.7	38.5		
141	77.0	55.1	82.7		



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





#61

4-Nitroaniline

Concen: 43.43 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.00 min

Lab File: BF084679.D

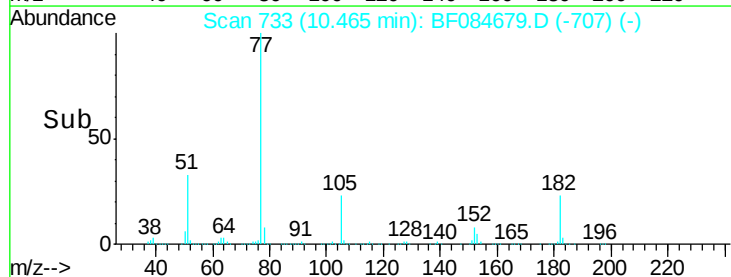
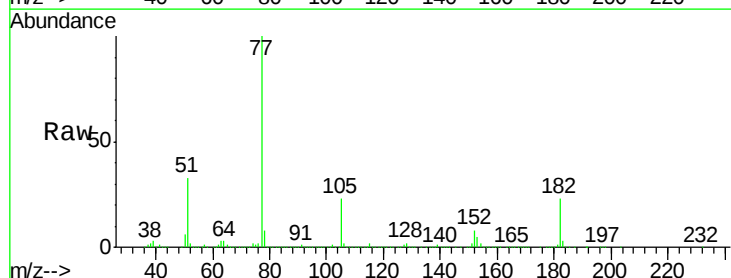
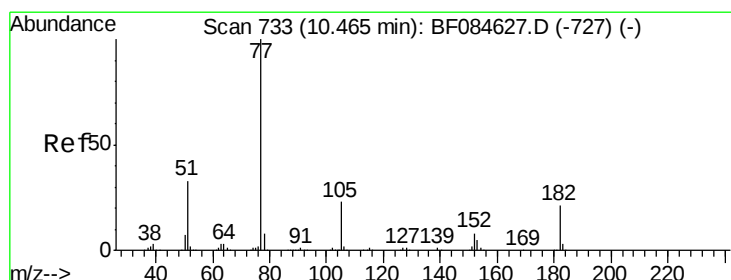
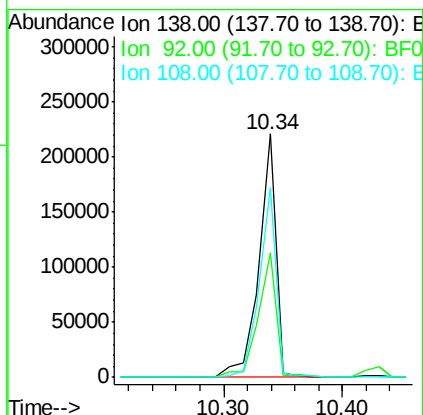
Acq: 30 Jan 2016 12:04

Tot Ion:	138	Resp:	224345
Ion Ratio	Lower	Upper	
138	100		
92	51.3	32.6	72.6
108	78.2	68.6	108.6

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

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#62

Azobenzene

Concen: 45.49 ng

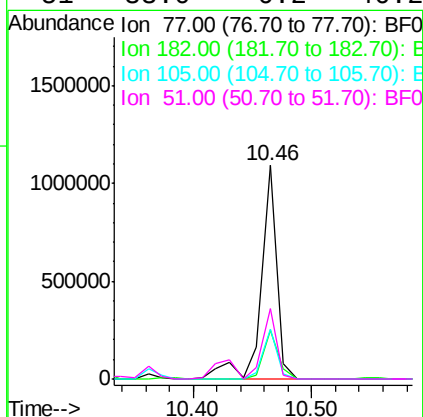
RT: 10.46 min Scan# 733

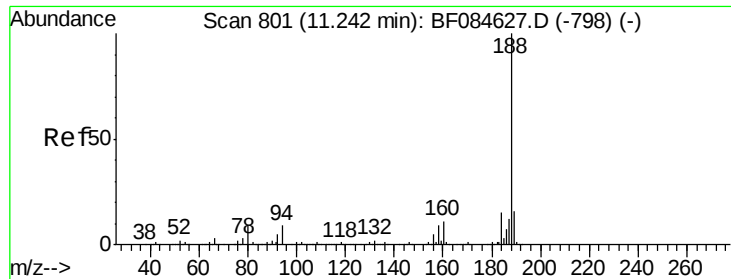
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	77	Resp:	1011786
Ion Ratio	Lower	Upper	
77	100		
182	22.6	8.3	48.3
105	23.4	4.6	44.6
51	33.0	6.2	46.2





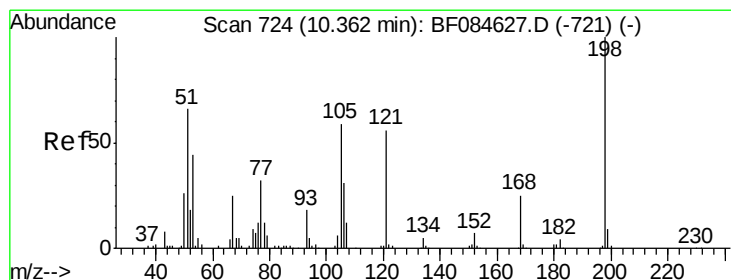
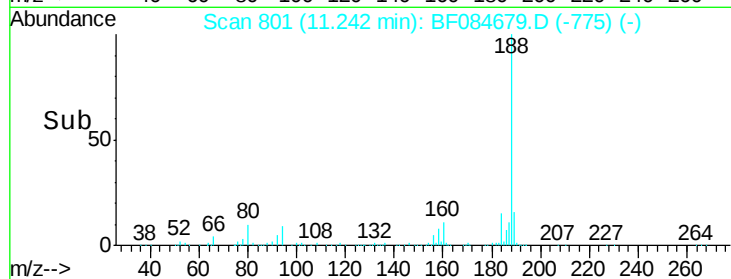
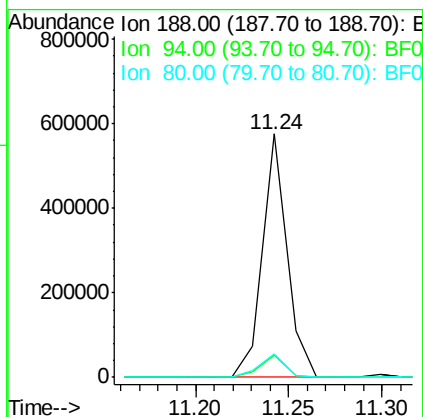
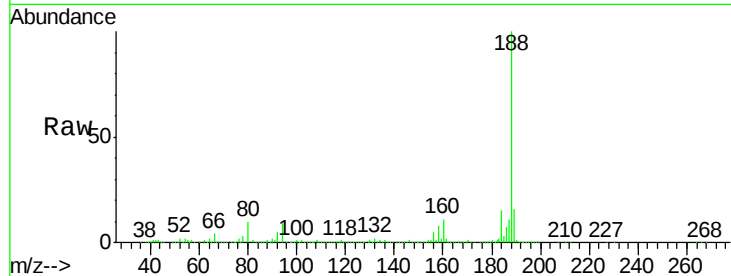
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	9.0	13.4
80	9.7	9.6	14.4

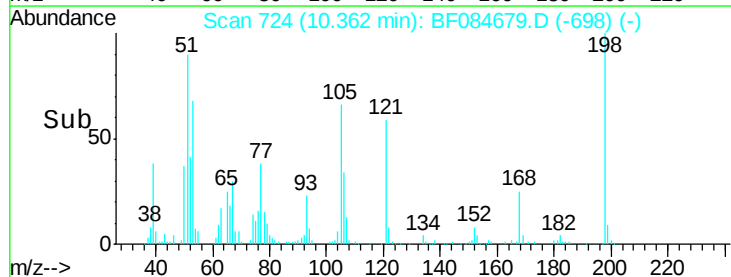
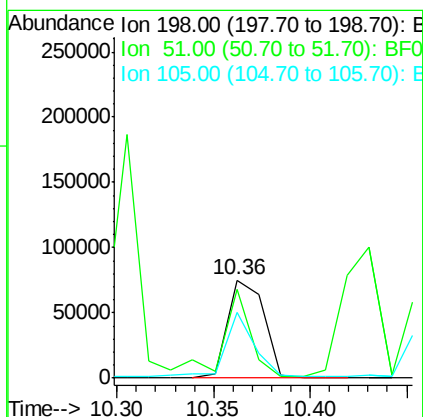
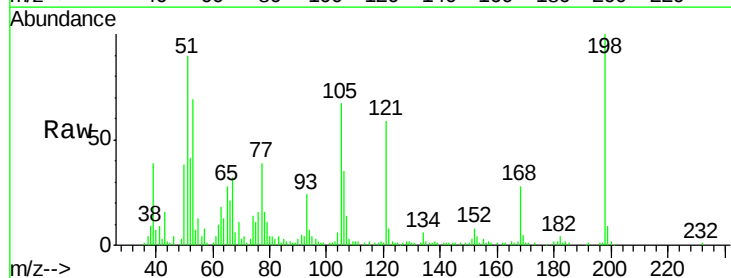
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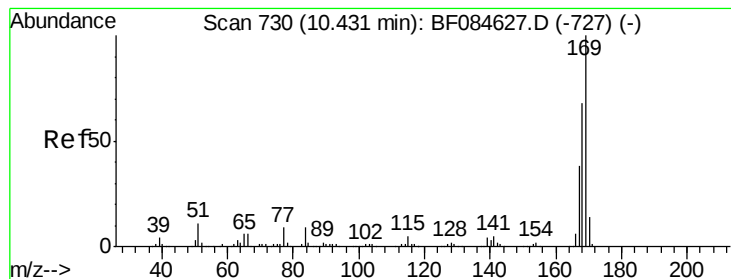
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#64
4,6-Dinitro-2-methylphenol
Concen: 29.47 ng m
RT: 10.36 min Scan# 724
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	90.3	18.9	58.9#
105	66.7	26.4	66.4#





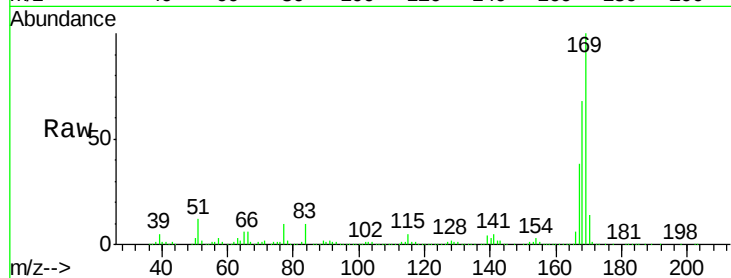
#65
n-Nitrosodiphenylamine
Concen: 48.96 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

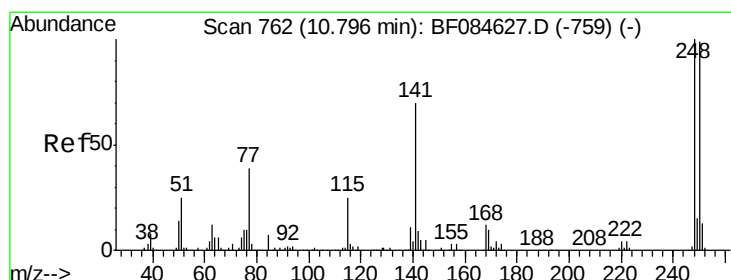
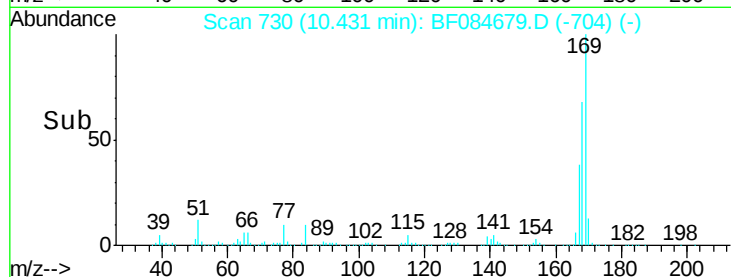
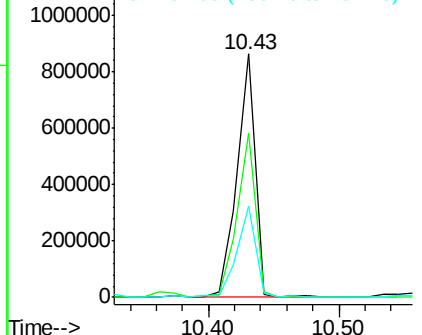
Tot Ion	Ratio	Resp	Lower	Upper
169	100	830182		
168	67.6		55.1	82.7
167	37.8		30.0	45.0

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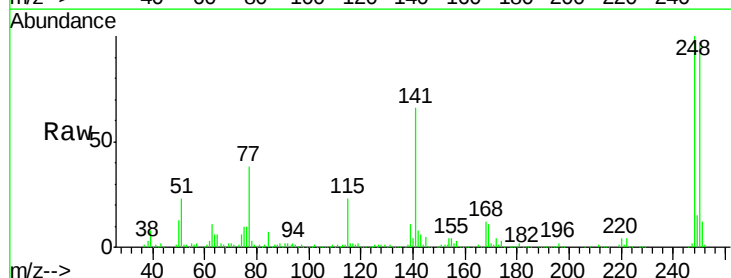


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

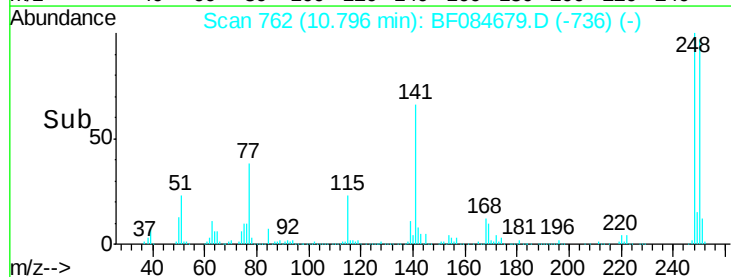
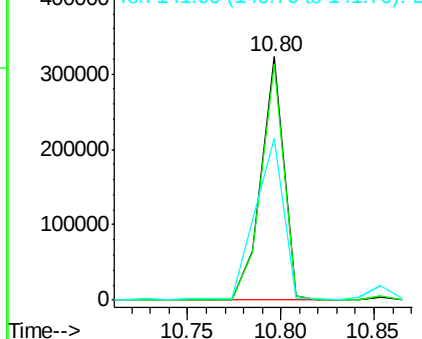


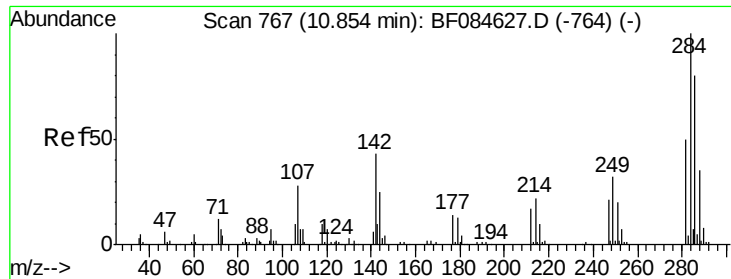
#66
4-Bromophenyl-phenylether
Concen: 46.04 ng
RT: 10.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	271207		
250	96.8		78.4	117.6
141	66.5		44.0	66.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 38.84 ng

RT: 10.85 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF084679.D

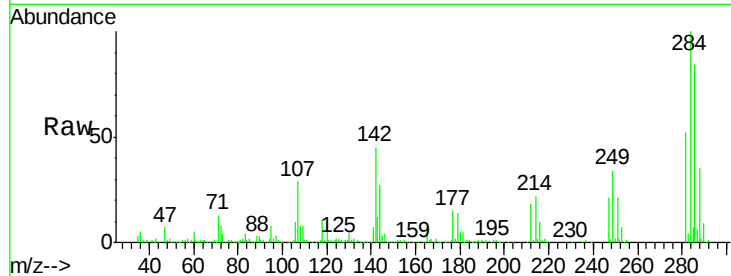
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

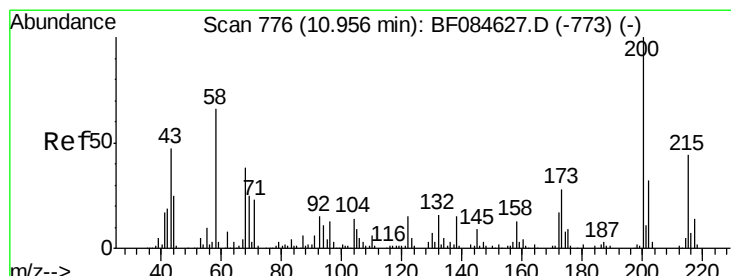
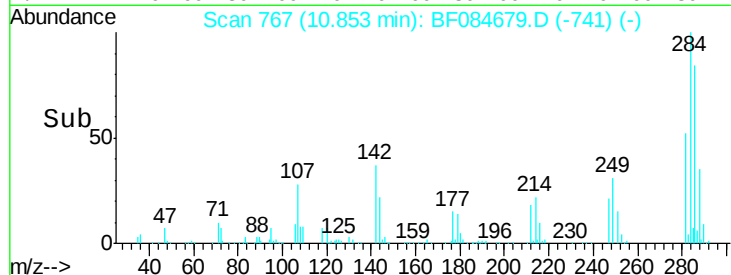
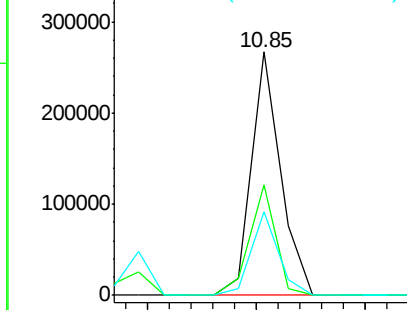
Tot Ion:	284	Resp:	248886
Ion Ratio	Lower	Upper	
284	100		
142	45.3	22.2	33.4#
249	34.4	24.6	37.0

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 45.24 ng

RT: 10.96 min Scan# 776

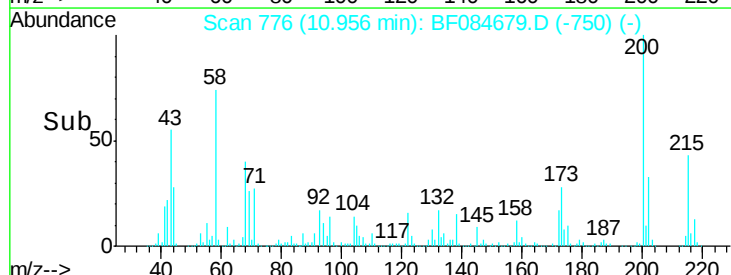
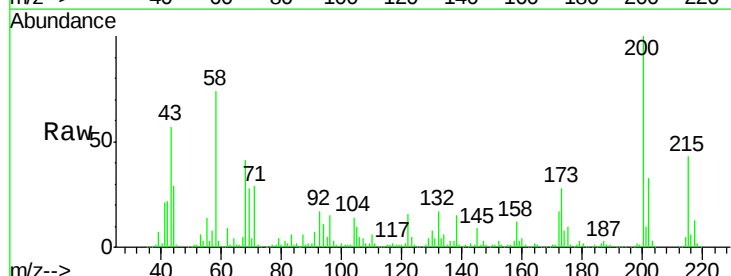
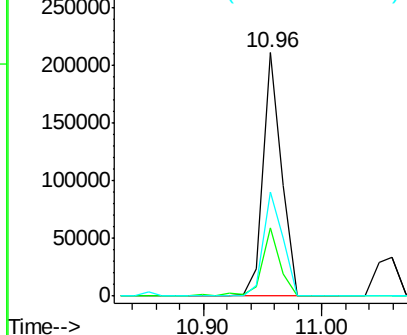
Delta R.T. -0.00 min

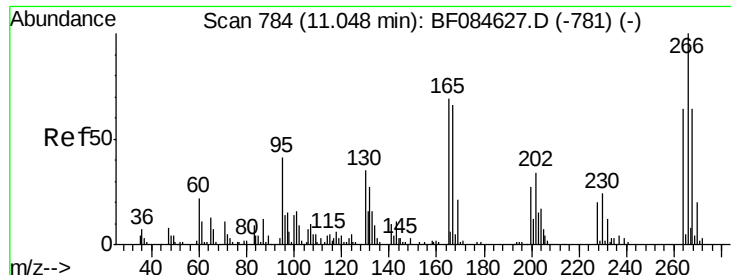
Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	200	Resp:	229853
Ion Ratio	Lower	Upper	
200	100		
173	28.1	9.5	49.5
215	42.7	23.8	63.8

Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





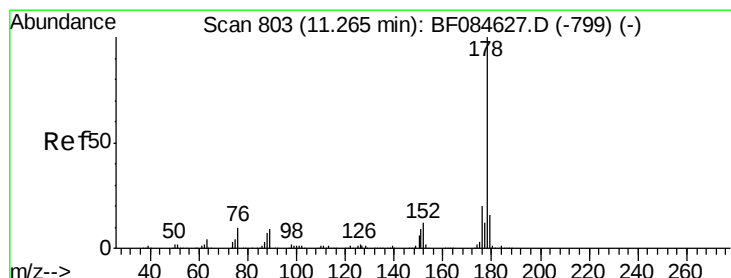
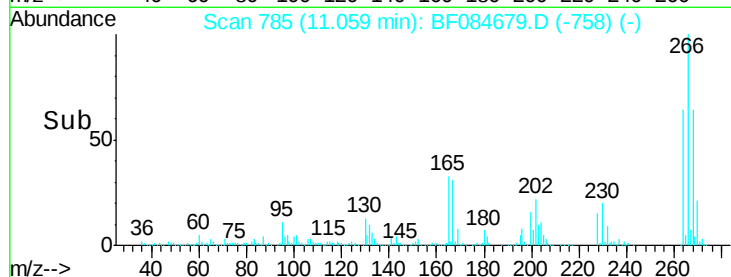
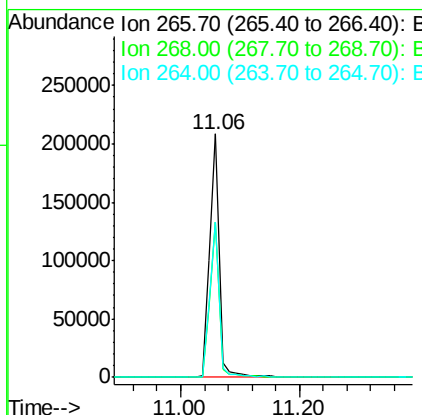
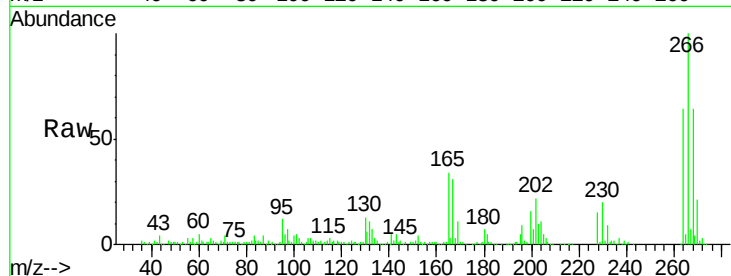
#69
 Pentachlorophenol
 Concen: 76.67 ng
 RT: 11.06 min Scan# 785
 Delta R.T. 0.01 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.4	78.6
264	63.7	50.2	75.2

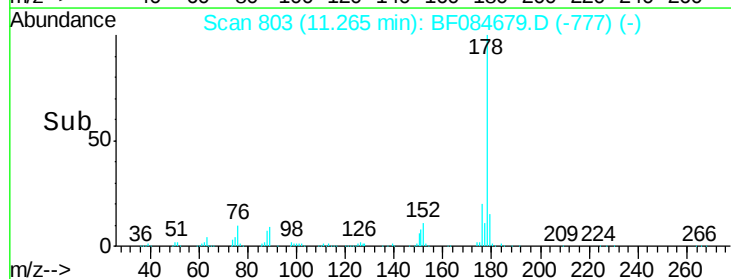
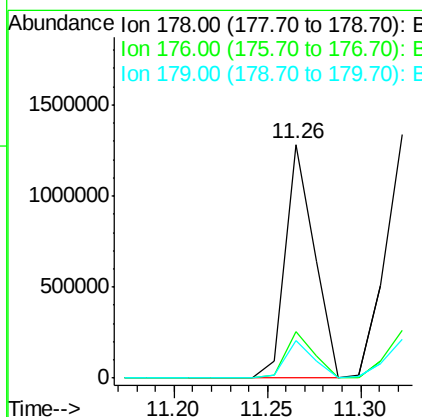
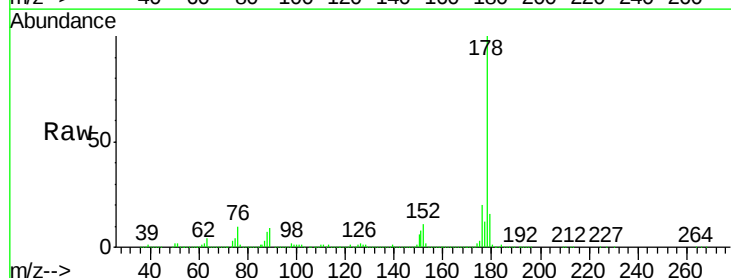
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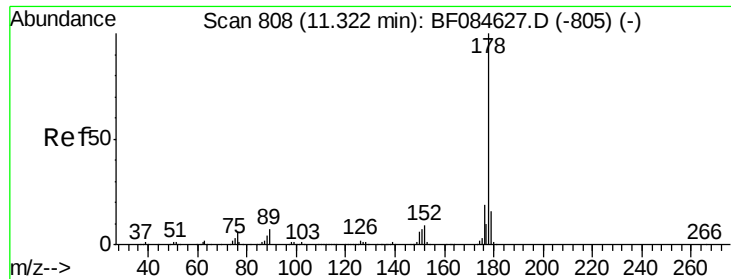
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#70
 Phenanthrene
 Concen: 48.03 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.3	22.9
179	16.0	12.0	18.0





#71

Anthracene

Concen: 44.07 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:178 Resp: 1295732

Ion Ratio Lower Upper

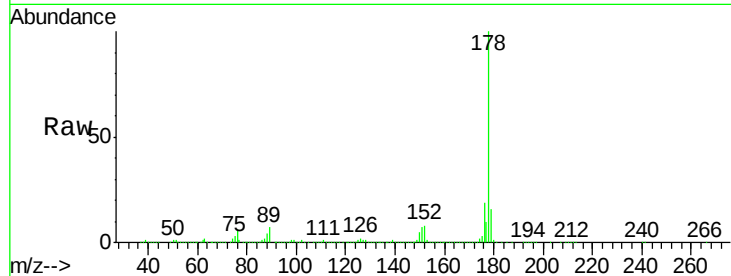
178 100

176 19.4 15.4 23.0

179 15.7 12.5 18.7

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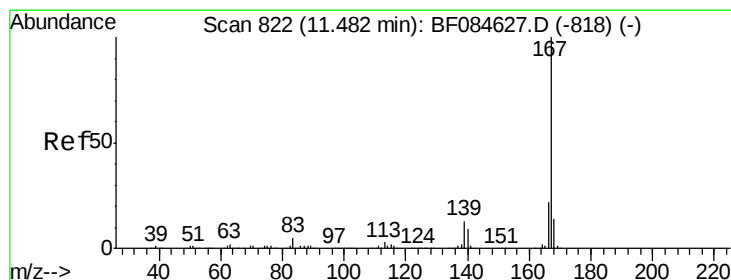
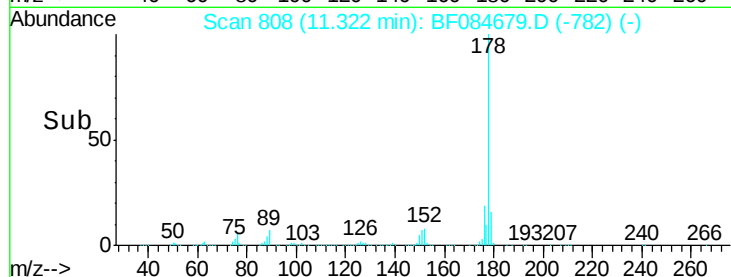
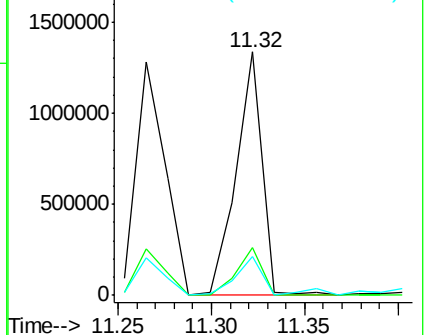
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.55 ng

RT: 11.48 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

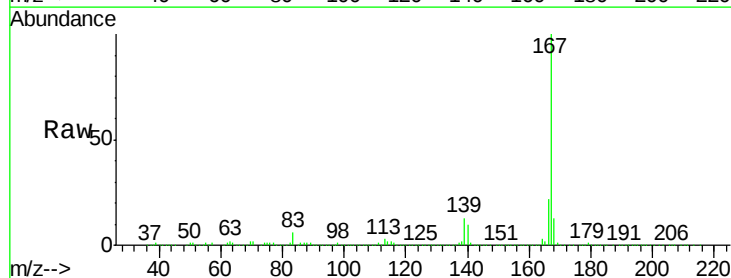
Tgt Ion:167 Resp: 1129008

Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

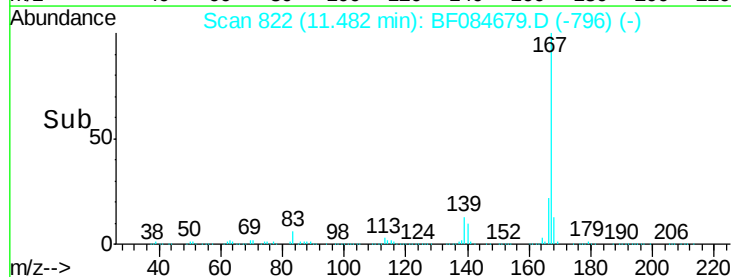
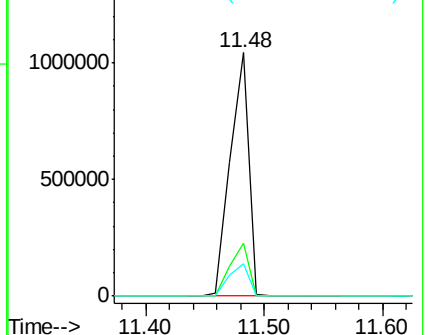
139 13.1 11.8 17.8

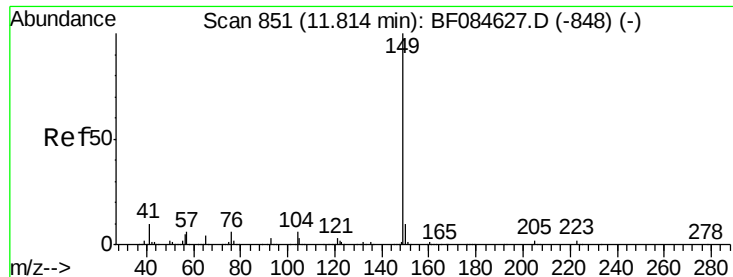


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.54 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:149 Resp: 1310968

Ion Ratio Lower Upper

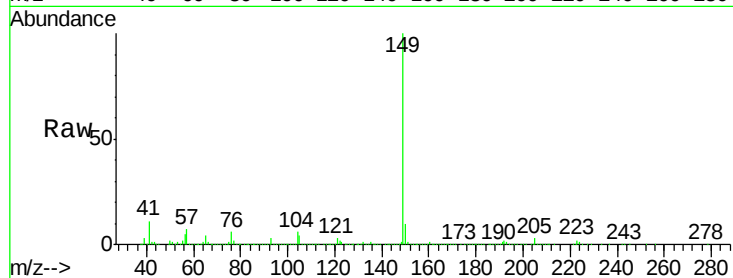
149 100

150 9.9 7.1 10.7

104 6.1 3.2 4.8#

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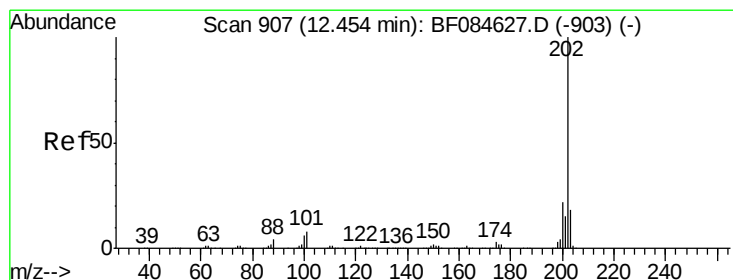
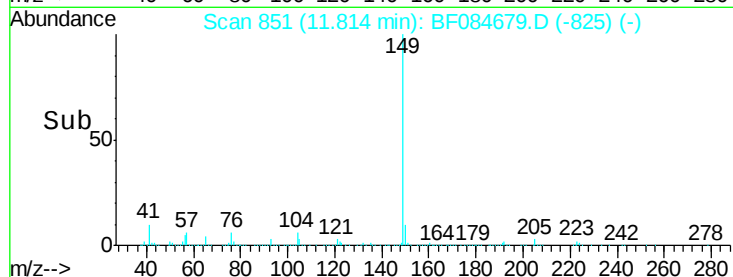
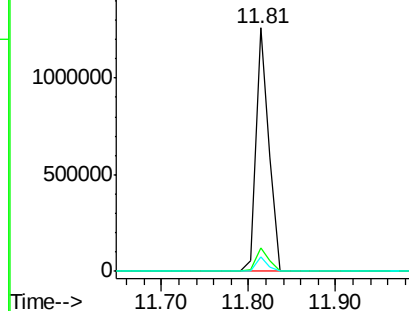
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 48.10 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

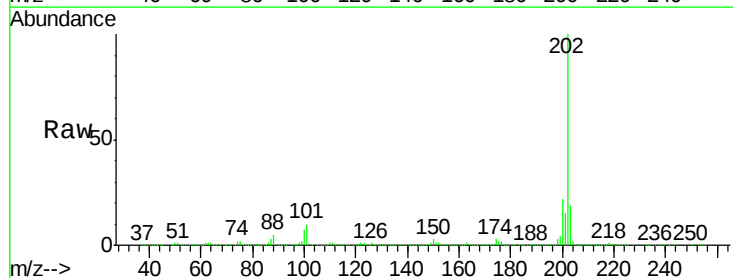
Tgt Ion:202 Resp: 1375334

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.8

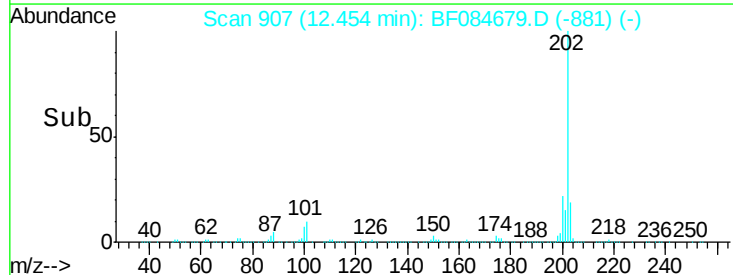
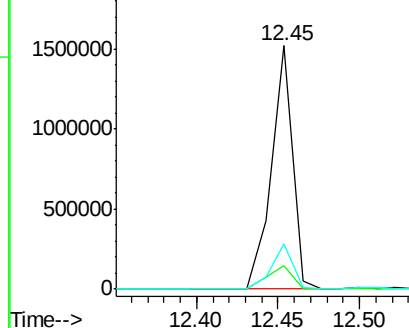
203 18.8 0.0 37.9

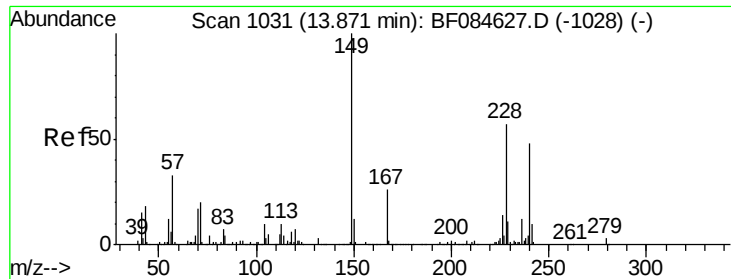


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

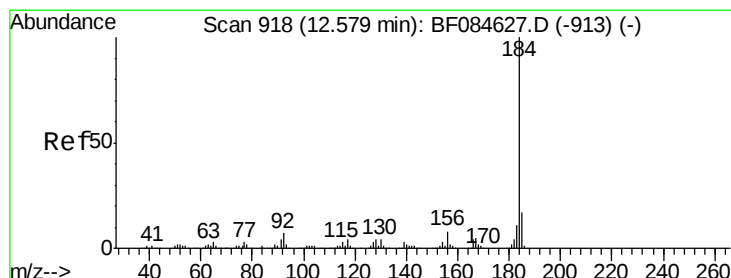
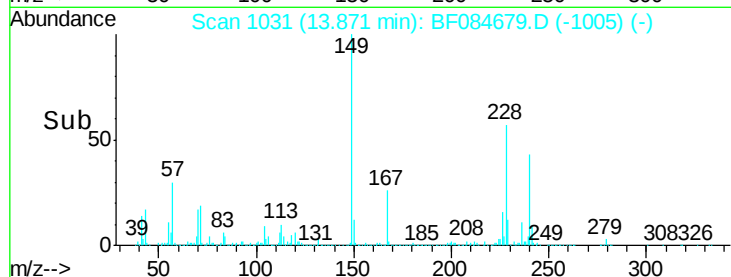
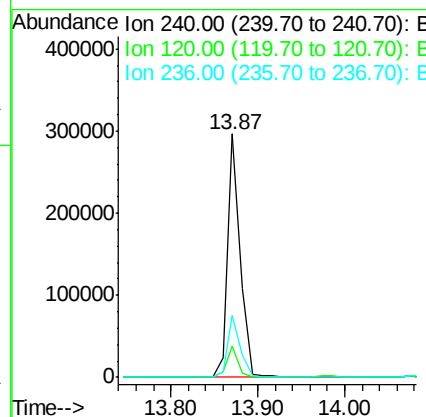
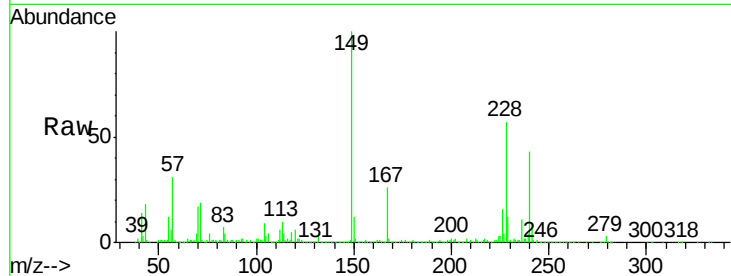
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	240	Resp:	298697
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	25.5	20.6	31.0

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#76

Benzidine

Concen: 34.07 ng

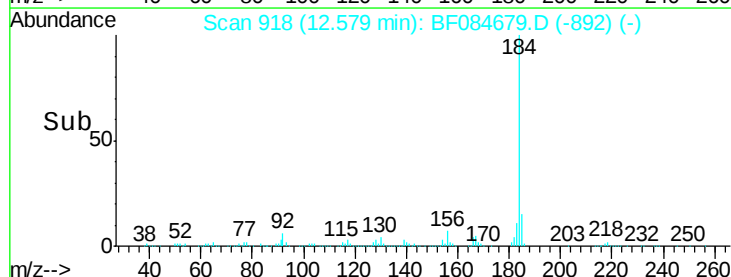
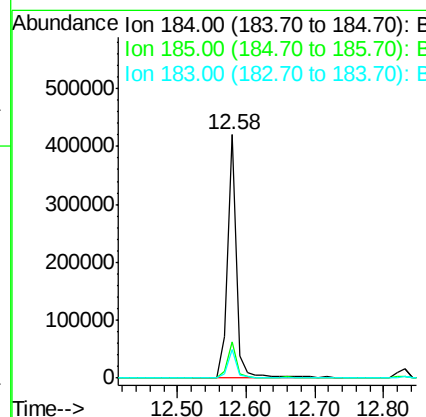
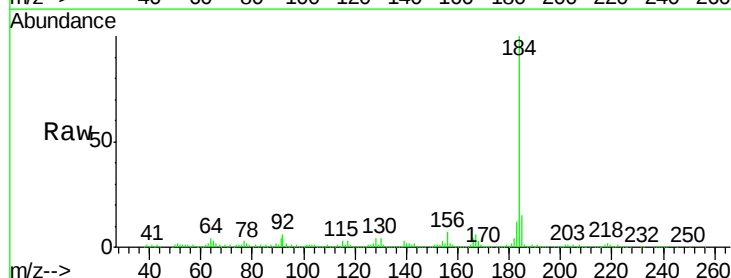
RT: 12.58 min Scan# 918

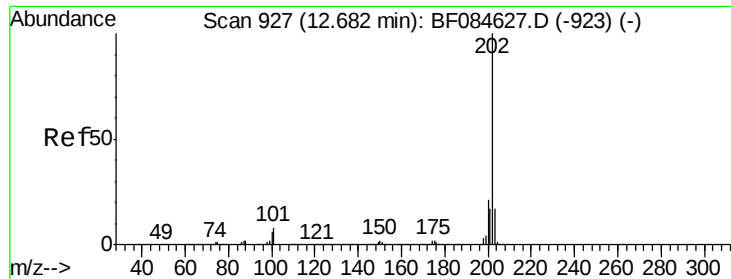
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	184	Resp:	387052
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.2	18.2
183	11.5	9.8	14.8





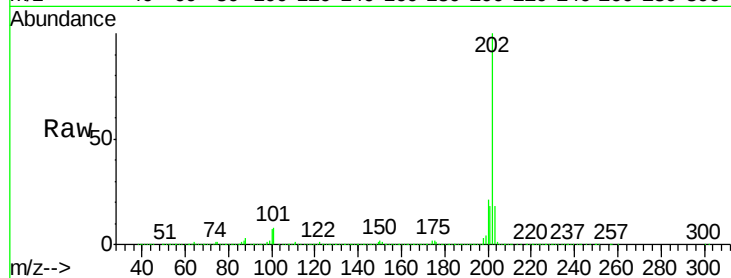
#77
Pvrene
Concen: 57.99 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

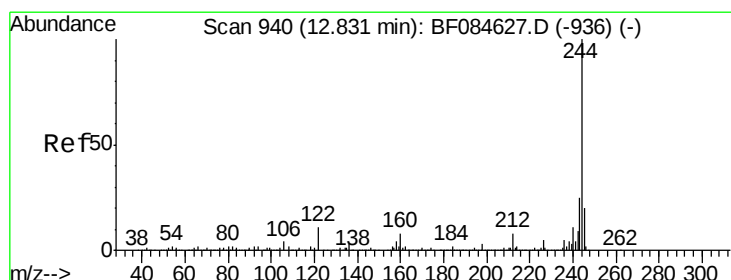
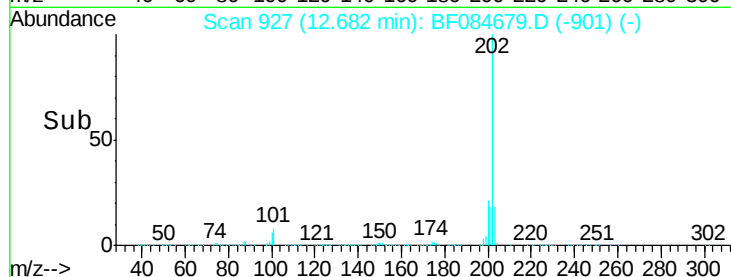
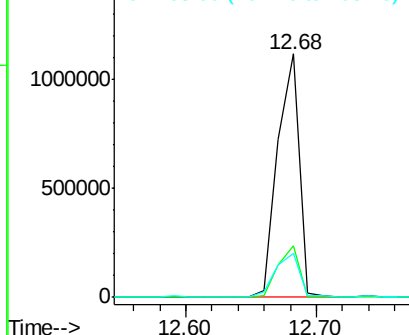
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.0	14.3	21.5

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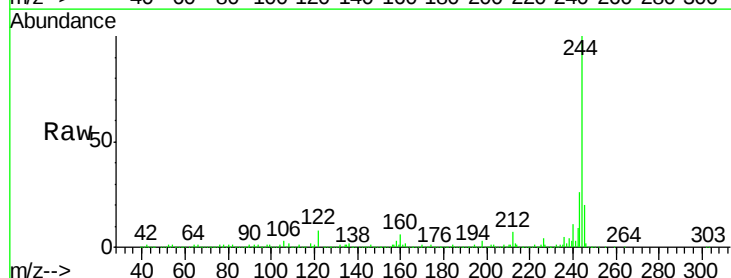


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

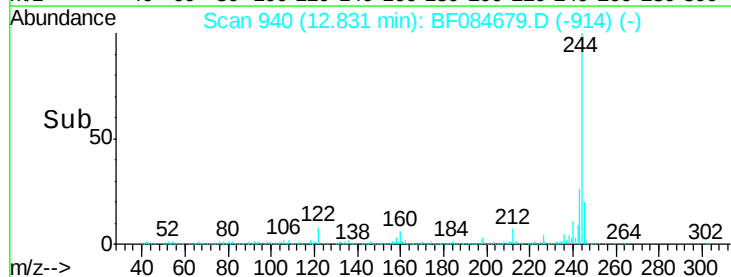
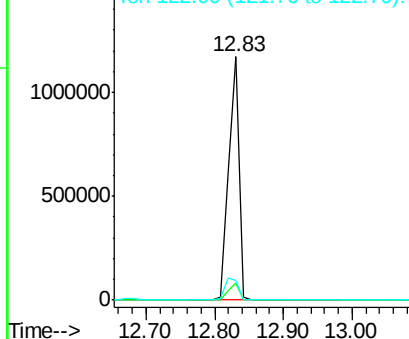


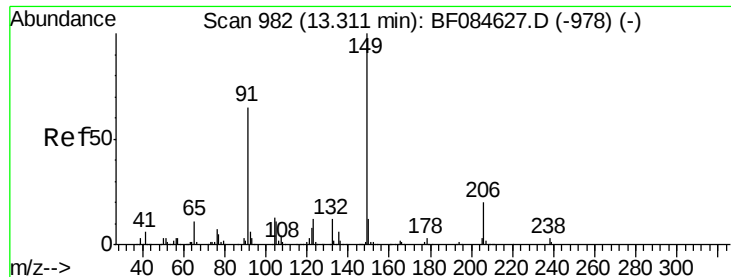
#78
Terphenyl-d14
Concen: 94.82 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	8.1	7.4	11.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





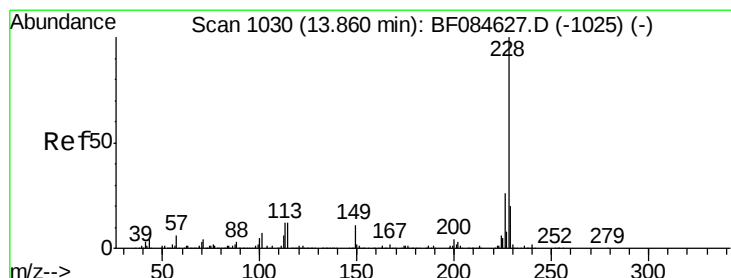
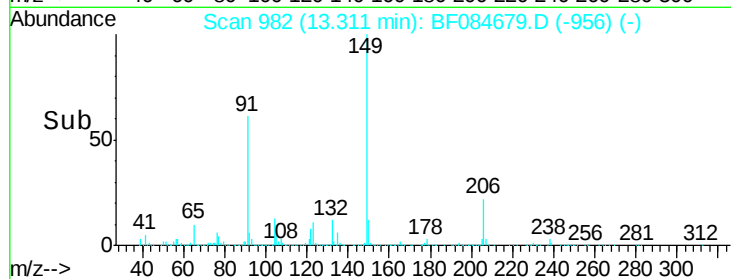
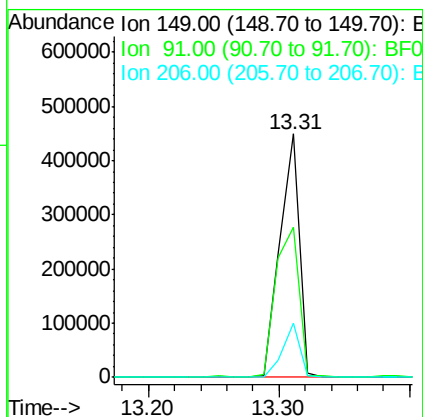
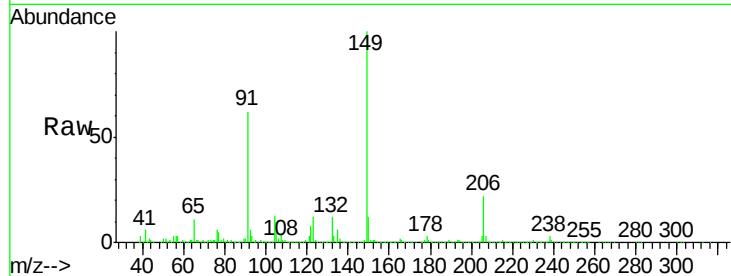
#79
Butylbenzylphthalate
Concen: 48.93 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	61.7	57.6	86.4
206	22.2	13.2	19.8

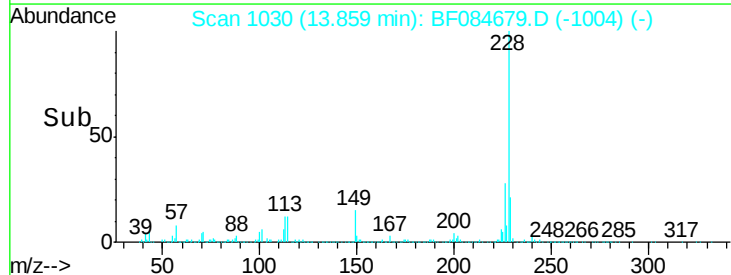
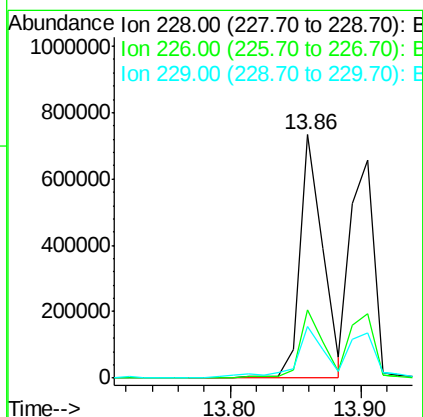
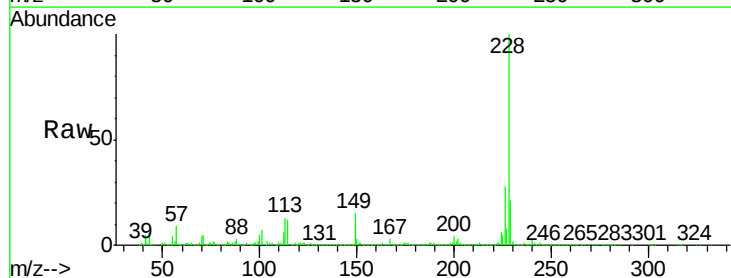
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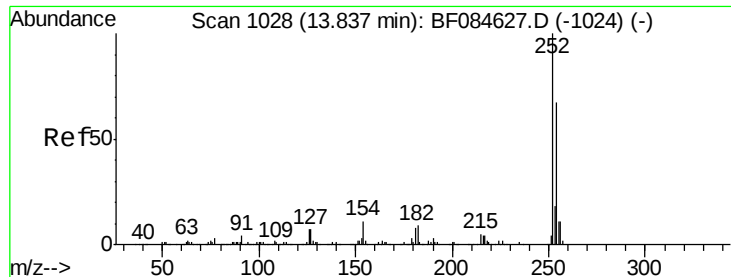
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#80
Benzo(a)anthracene
Concen: 47.33 ng
RT: 13.86 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.6
229	21.1	15.8	23.8





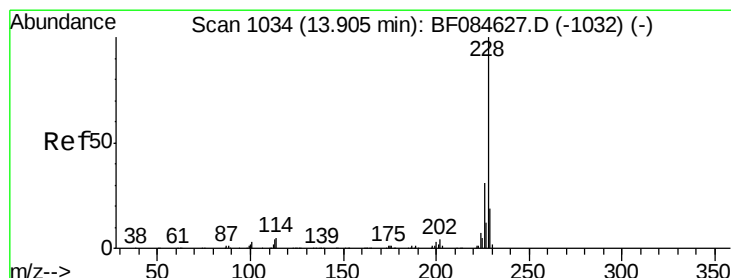
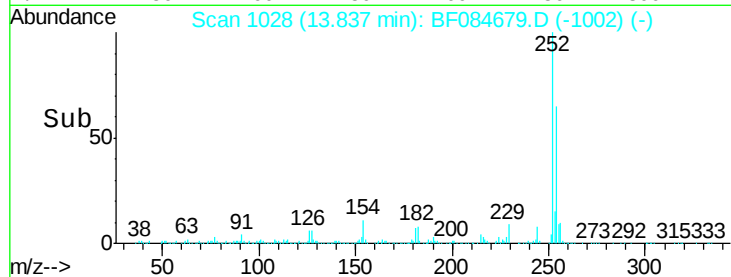
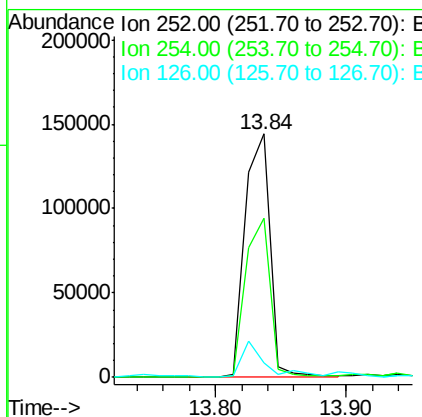
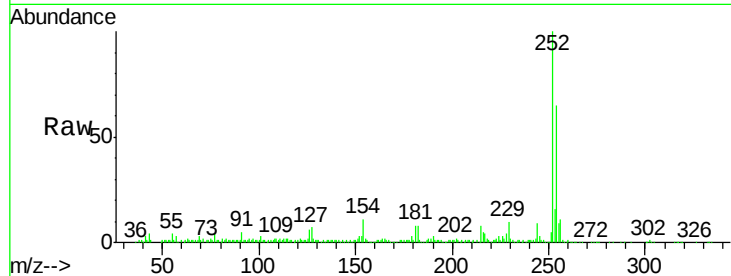
#81
3,3'-Dichlorobenzidine
Concen: 29.52 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.2	53.5	80.3
126	5.9	4.9	7.3

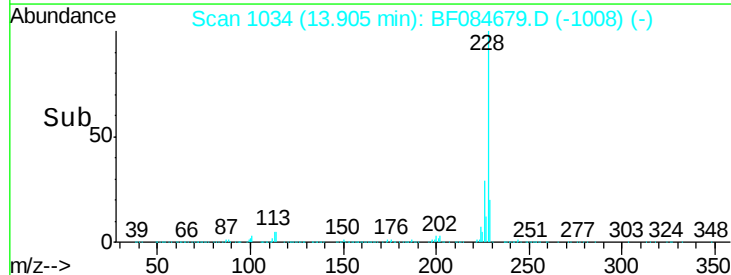
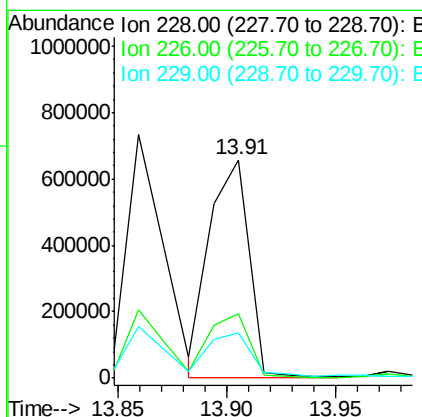
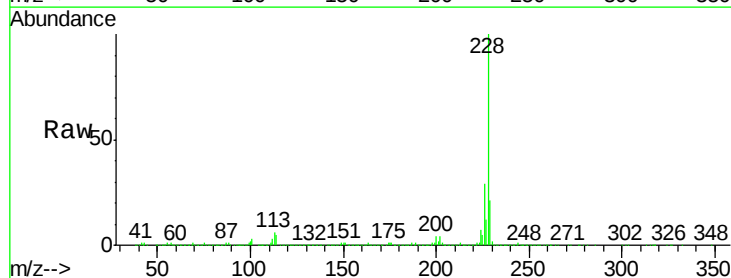
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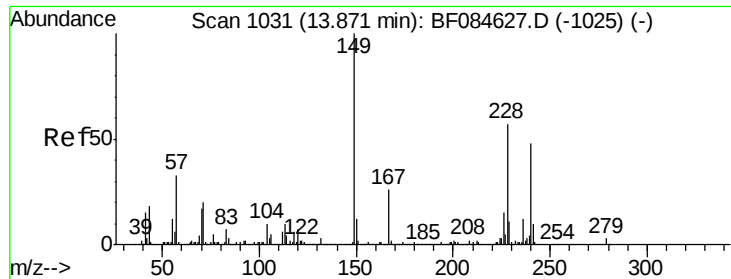
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#82
Chrysene
Concen: 45.45 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.3	36.5
229	20.9	16.1	24.1





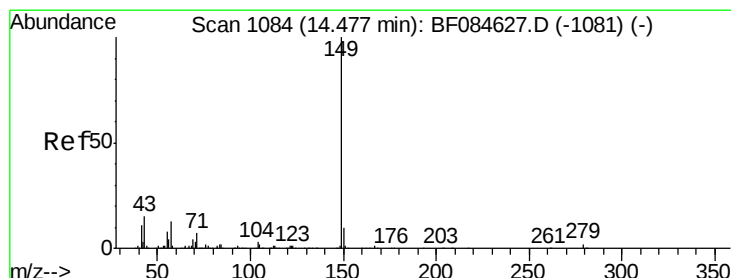
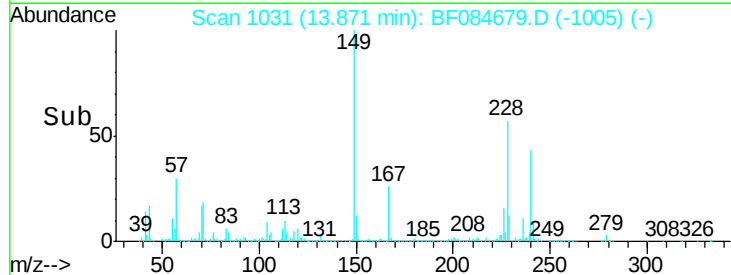
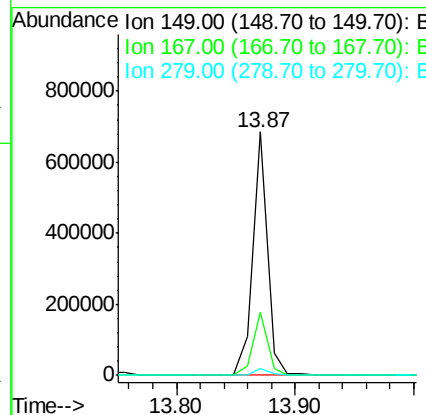
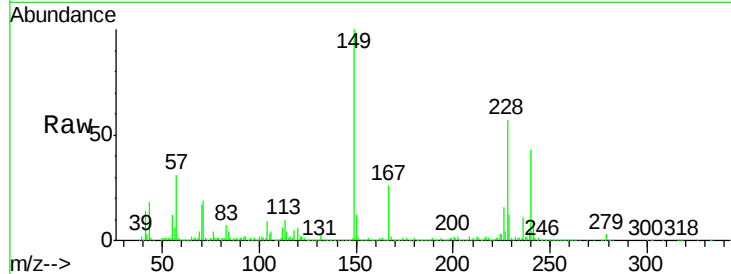
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.62 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B015(6-9)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	594502		
167	25.9	19.7	29.5	
279	2.7	1.8	2.6	

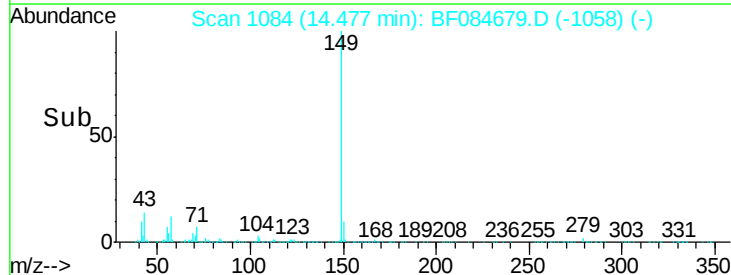
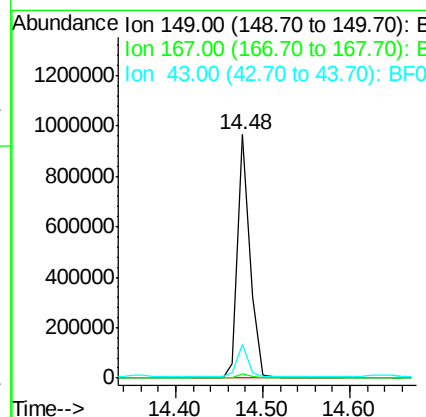
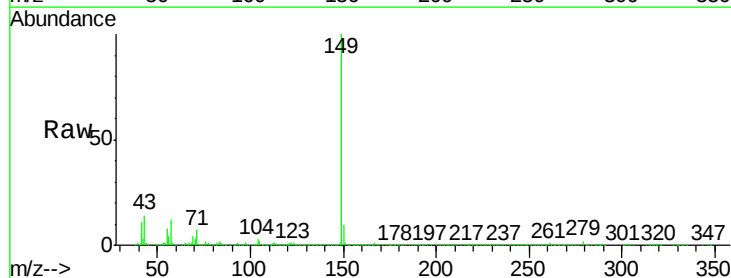
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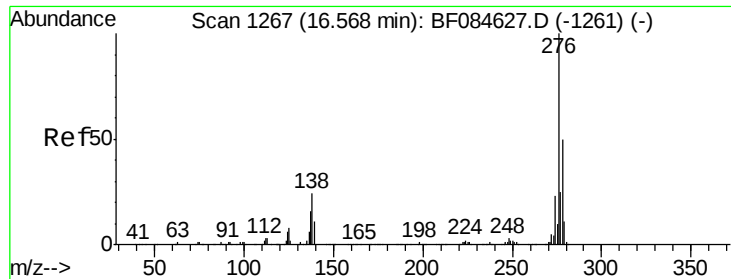
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#84
 Di-n-octyl phthalate
 Concen: 47.22 ng
 RT: 14.48 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF084679.D
 Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	931522		
167	1.7	1.2	1.8	
43	12.2	5.6	8.4	





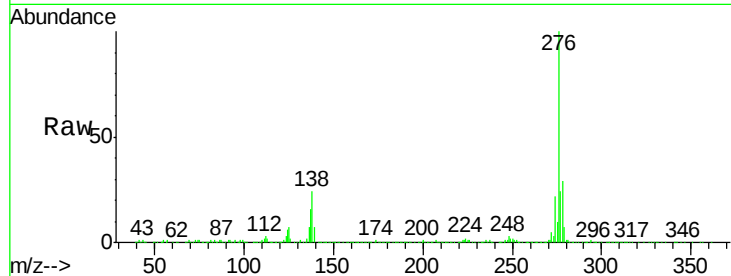
#85
Indeno(1,2,3-cd)pyrene
Concen: 55.33 ng
RT: 16.57 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Instrument :
BNA_F
ClientSampleId :
SUP-B015(6-9)MSD

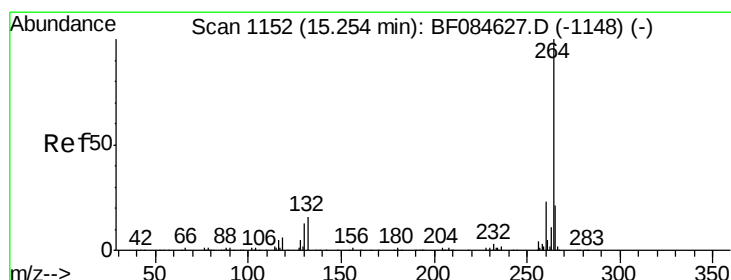
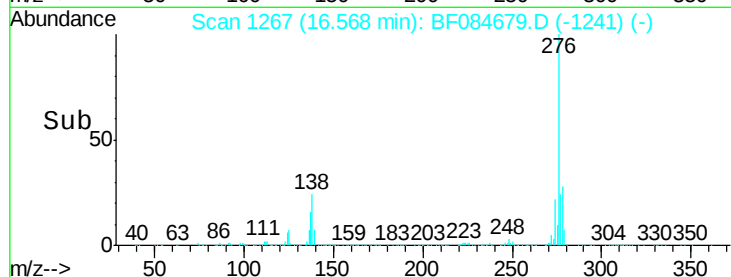
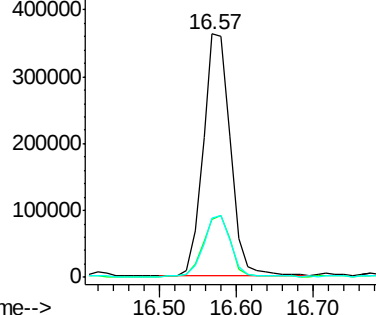
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.6	30.8
277	25.6	20.1	30.1

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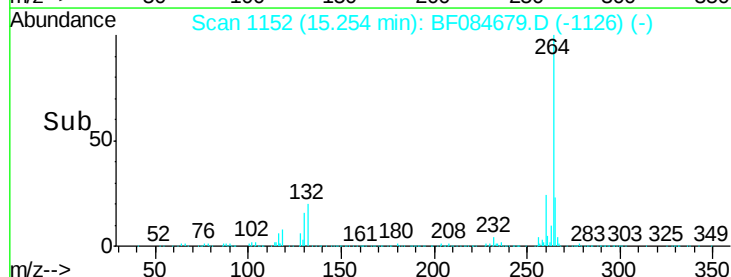
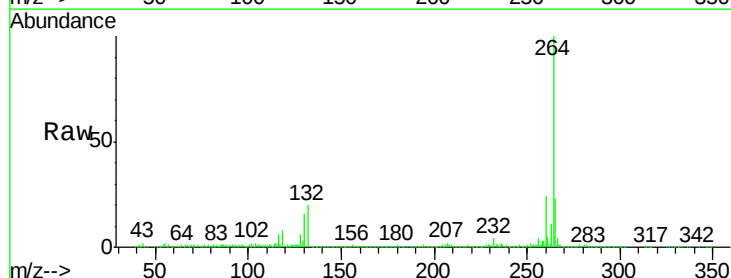
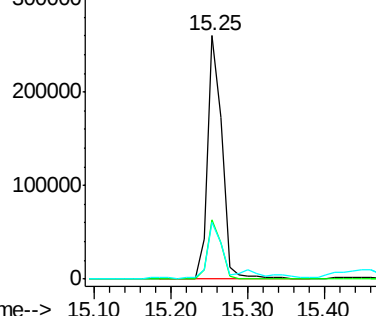
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

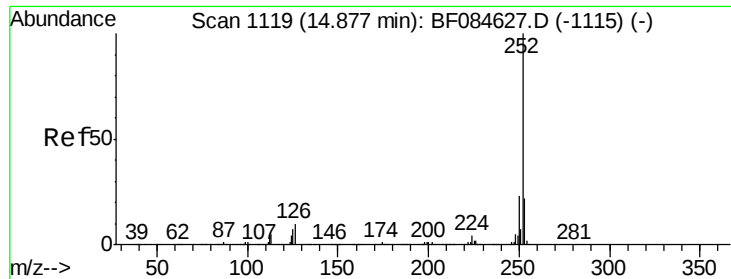


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF084679.D
Acq: 30 Jan 2016 12:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	23.3	17.8	26.6

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 43.65 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

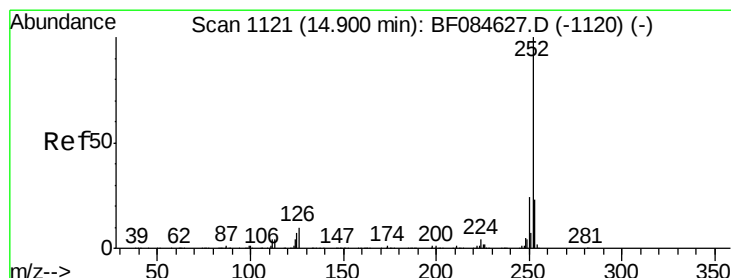
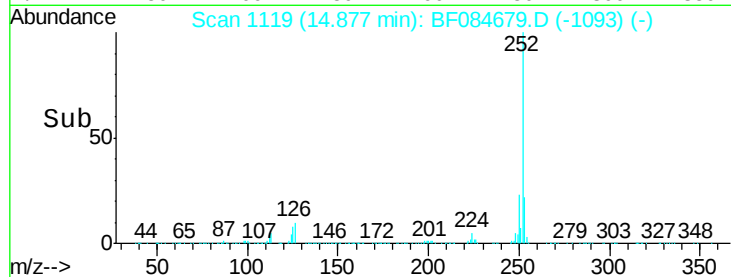
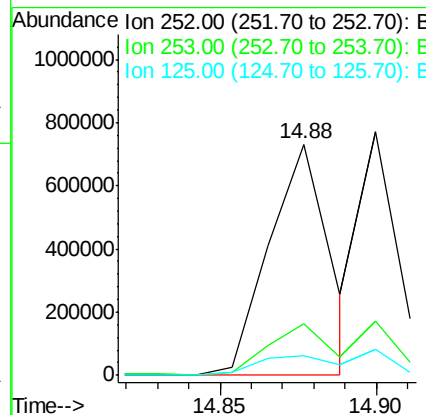
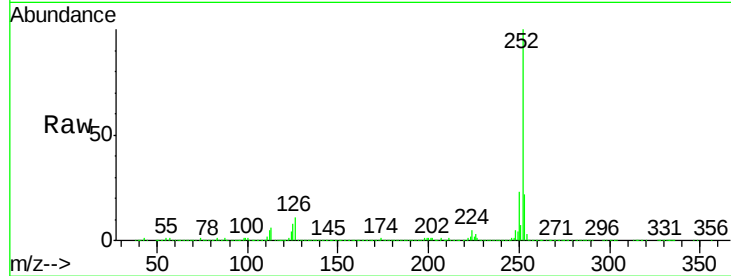
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	252	Resp:	978170
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.3	25.9
125	8.3	6.5	9.7

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#88

Benzo(k)fluoranthene

Concen: 36.48 ng m

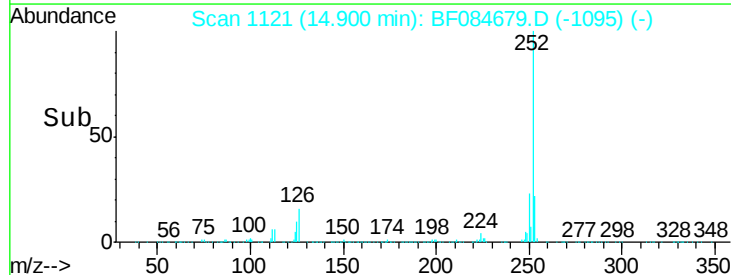
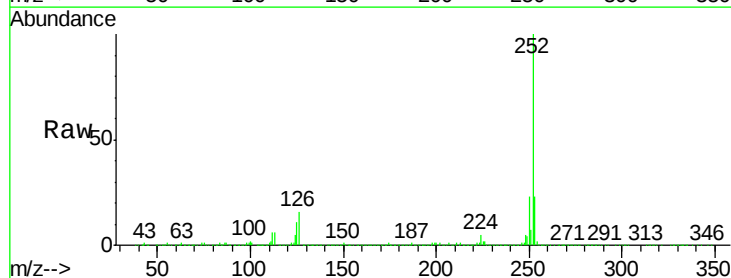
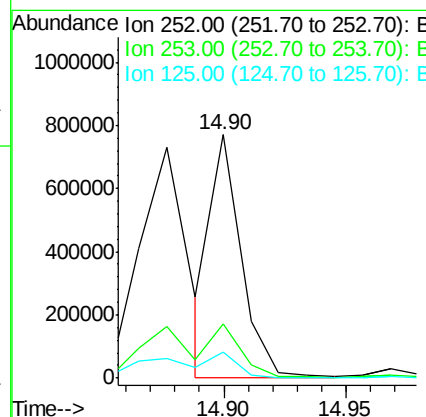
RT: 14.90 min Scan# 1121

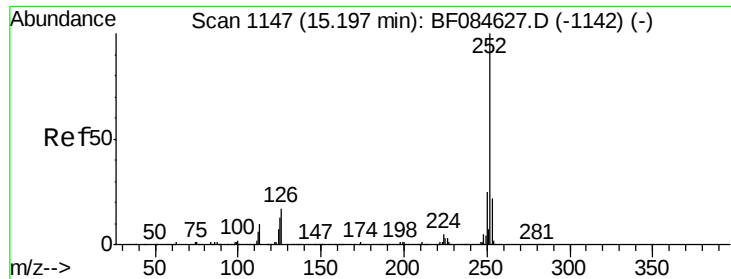
Delta R.T. -0.00 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	252	Resp:	675163
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	10.5	9.0	13.6





#89

Benzo(a)pyrene

Concen: 42.83 ng

RT: 15.21 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Instrument :

BNA_F

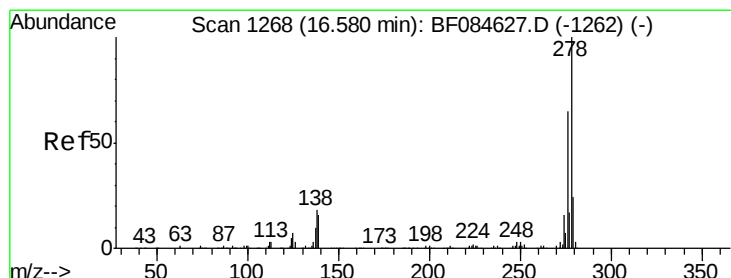
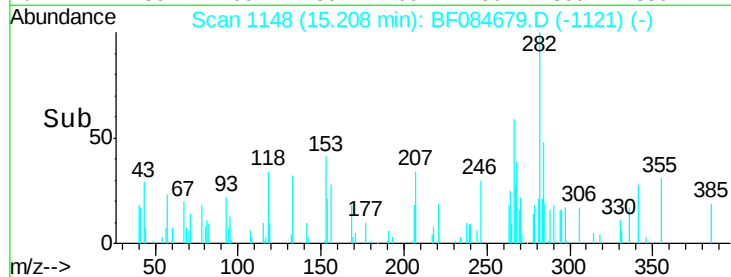
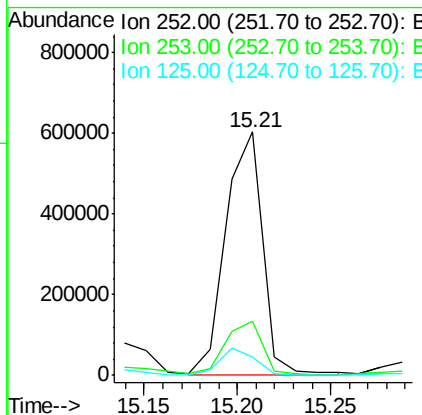
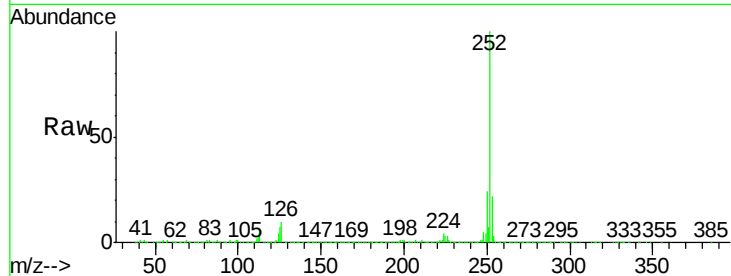
ClientSampleId :

SUP-B015(6-9)MSD

Tot Ion:	252	Resp:	830152
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	7.4	7.0	10.4

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#90

Dibenzo(a,h)anthracene

Concen: 41.90 ng

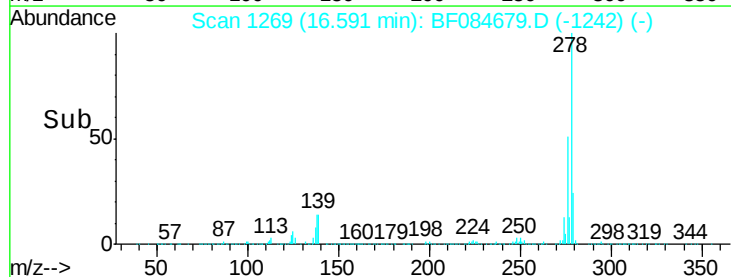
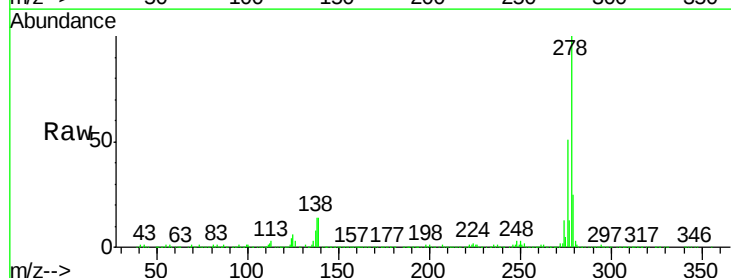
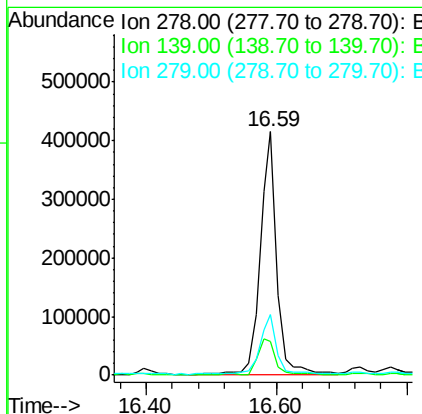
RT: 16.59 min Scan# 1269

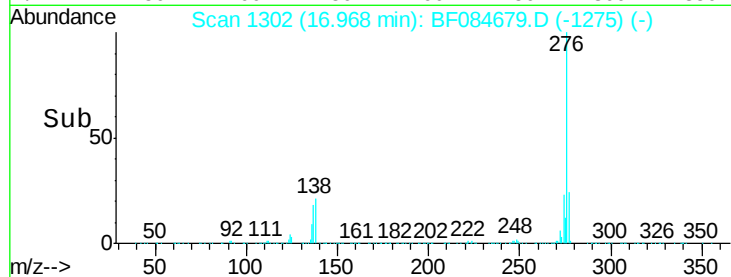
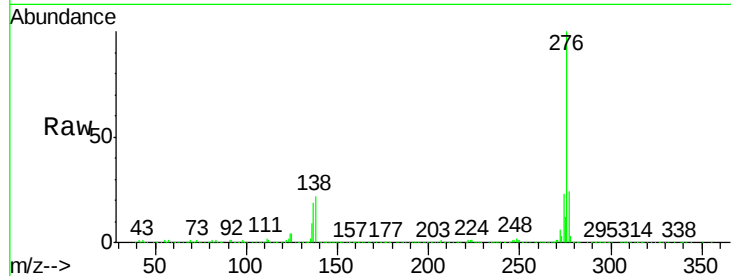
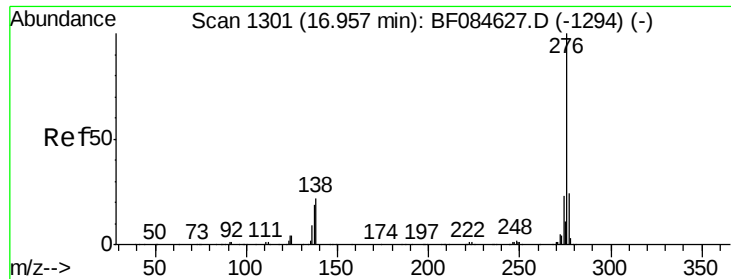
Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tgt Ion:	278	Resp:	731985
Ion Ratio	Lower	Upper	
278	100		
139	14.0	15.0	22.4#
279	24.7	18.9	28.3





#91

Benzo(a,h,i)perylene

Concen: 44.31 ng

RT: 16.97 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF084679.D

Acq: 30 Jan 2016 12:04

Tot Ion:	276	Resp:	781526
Ion Ratio		Lower	Upper
276	100		
277	24.3	18.8	28.2
138	21.6	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

SUP-B015(6-9)MSD

Manual Integrations
APPROVED

mohammad
2/1/2016 2:26:02 PM

