

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093377.D
 Acq On : 3 Mar 2017 23:46
 Operator : SJ/MA
 Sample : I2100-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-252657

Quant Time: Mar 04 01:34:51 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	196975	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	484792	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	373320	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	573792	20.00	ng	-0.06
75) Chrysene-d12	13.95	240	383069	20.00	ng	-0.07
86) Perylene-d12	15.37	264	332017	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	572004	49.82	ng	-0.07
7) Phenol-d6	6.43	99	411187	27.83	ng	-0.06
23) Nitrobenzene-d5	7.37	82	1273968	146.34	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	341790	126.59	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	2211829	107.34	ng	-0.06
78) Terphenyl-d14	12.89	244	909690	55.80	ng	-0.08

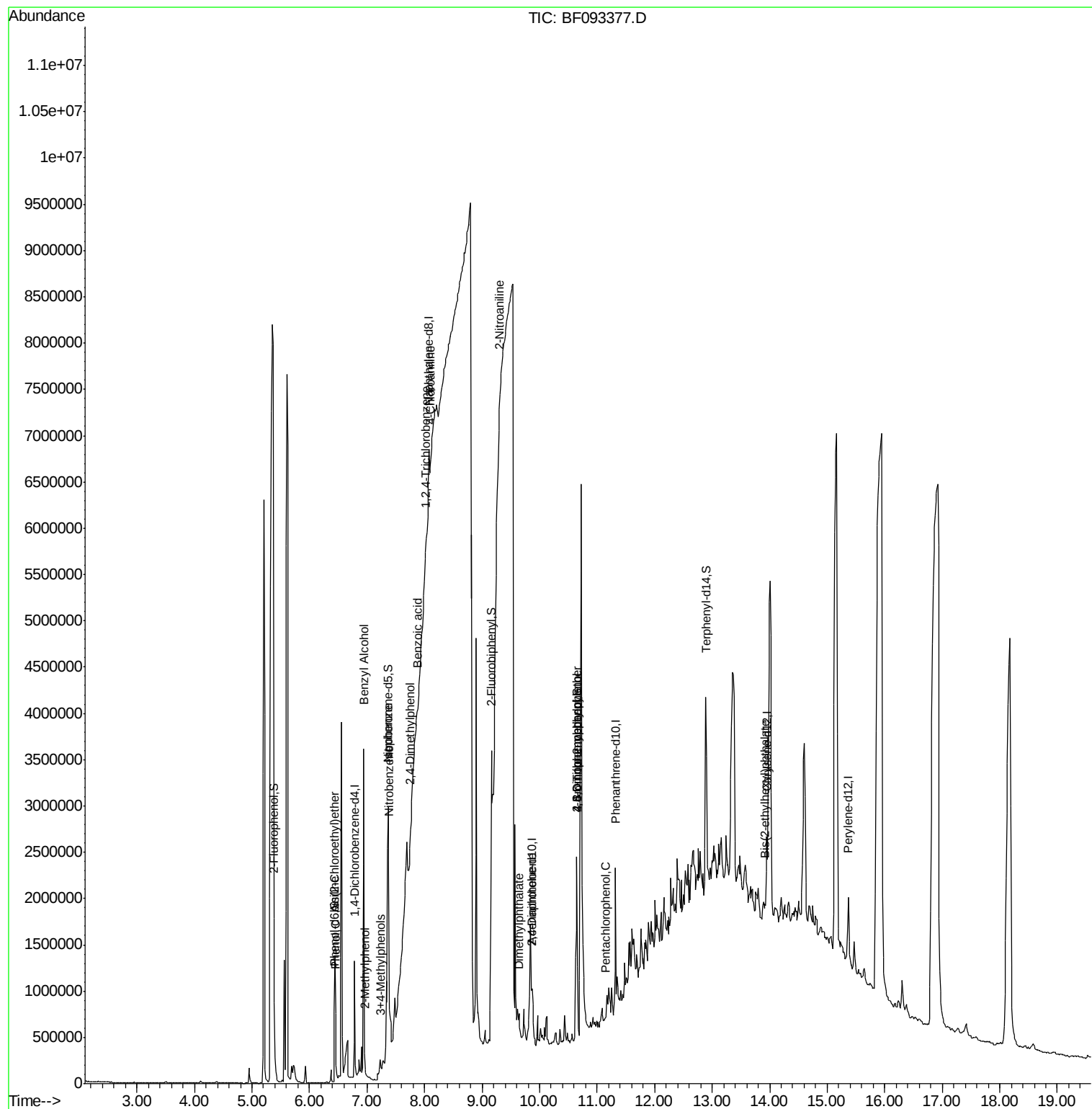
Target Compounds						Qvalue
6) Aniline	6.44	93	381199	18.92	ng	# 53
10) Phenol	6.45	94	64890	3.75	ng	# 1
11) bis(2-Chloroethyl)ether	6.44	93	382573	27.73	ng	# 24
15) Benzyl Alcohol	6.94	79	57098	5.22	ng	# 76
17) 2-Methylphenol	6.96	107	22797	2.10	ng	# 22
20) 3+4-Methylphenols	7.23	107	50880	3.92	ng	# 68
24) Nitrobenzene	7.38	77	590623	66.07	ng	99
25) Isophorone	7.37	82	1120917	69.10	ng	# 65
27) 2,4-Dimethylphenol	7.76	122	18627	2.50	ng	95
30) 1,2,4-Trichlorobenzene	8.02	180	22081	2.94	ng	# 95
32) Benzoic acid	7.87	122	6448	8.46	ng	# 17
33) 4-Chloroaniline	8.10	127	20305	2.11	ng	# 1
47) 2-Nitroaniline	9.31	65	48513	6.82	ng	# 12
49) Dimethylphthalate	9.64	163	127503	5.07	ng	# 95
56) 2,4-Dinitrotoluene	9.86	165	47699	6.60	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.65	198	1604	3.10	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	26832	4.48	ng	# 1
69) Pentachlorophenol	11.15	266	4040	8.40	ng	# 84
83) Bis(2-ethylhexyl)phthalate	13.92	149	43862	2.76	ng	97

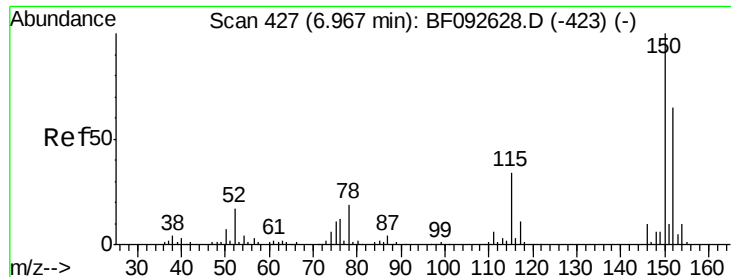
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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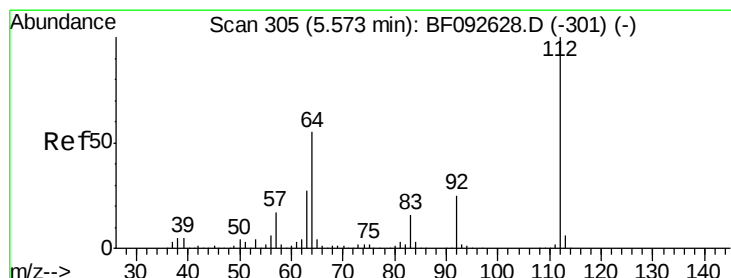
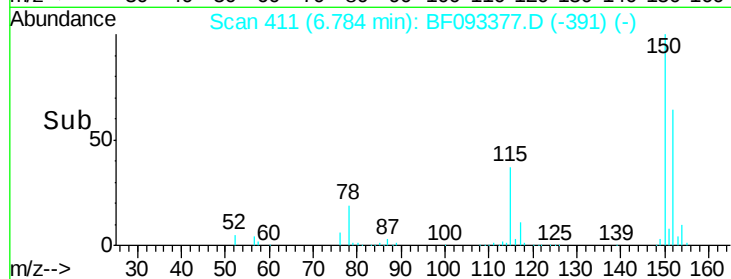
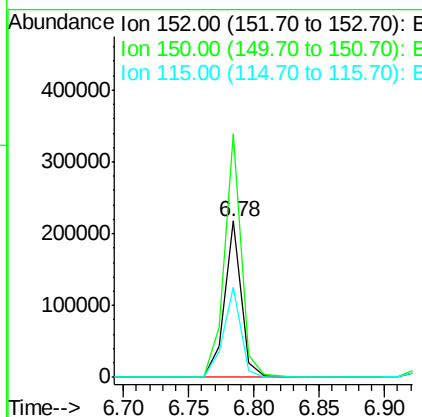
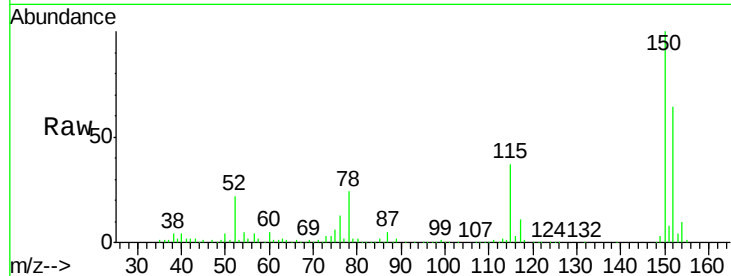




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.07 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

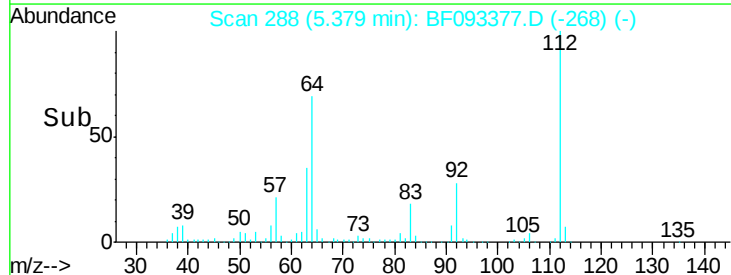
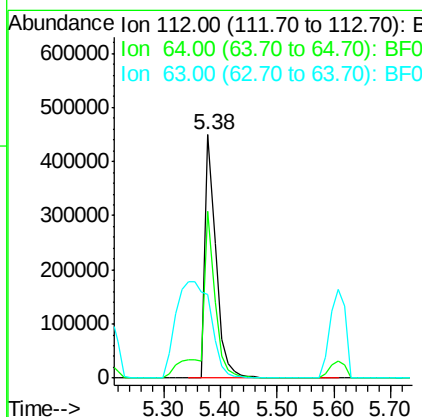
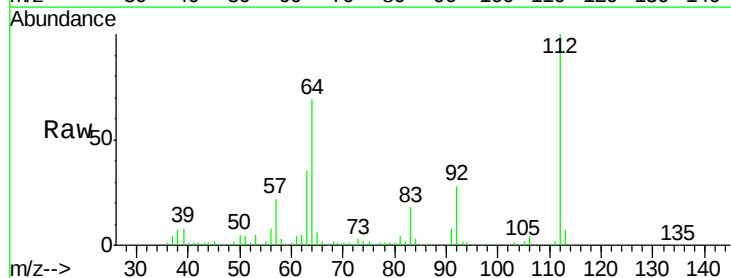
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-252657

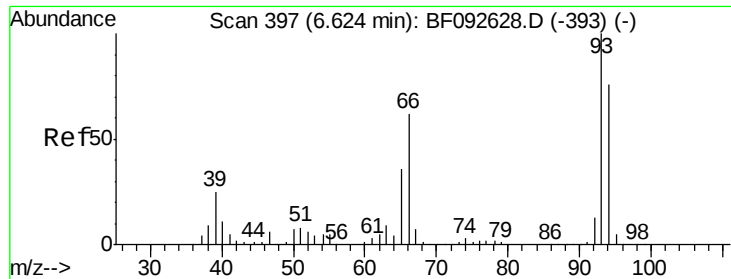
Tgt Ion:152 Resp: 196975
 Ion Ratio Lower Upper
 152 100
 150 155.5 124.9 187.3
 115 57.6 46.0 69.0



#5
 2-Fluorophenol
 Concen: 49.82 ng
 RT: 5.38 min Scan# 288
 Delta R.T. -0.07 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Tgt Ion:112 Resp: 572004
 Ion Ratio Lower Upper
 112 100
 64 68.7 46.1 69.1
 63 34.5 23.8 35.6





#6

Aniline

Concen: 18.92 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.07 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

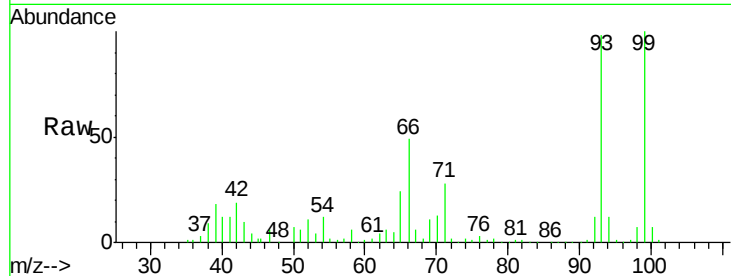
Tgt Ion: 93 Resp: 381199

Ion Ratio Lower Upper

93 100

66 50.2 76.2 114.2#

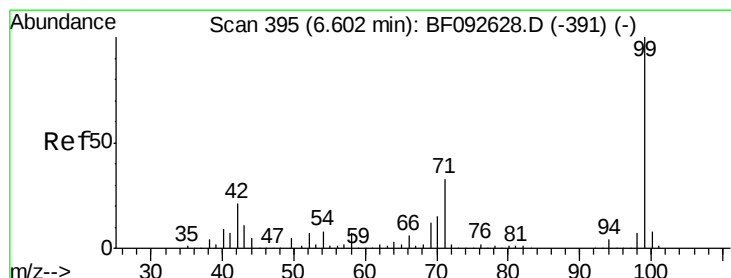
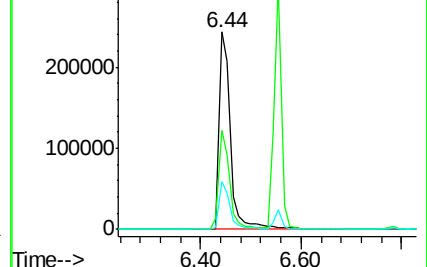
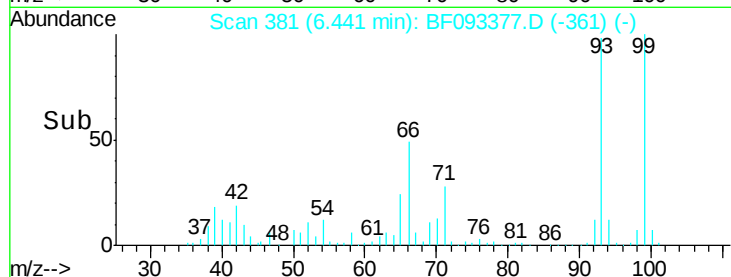
65 24.4 49.3 73.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 27.83 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

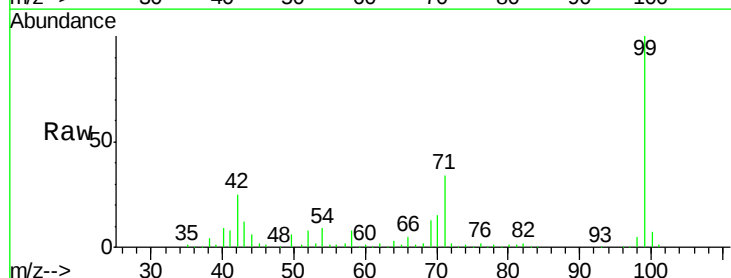
Tgt Ion: 99 Resp: 411187

Ion Ratio Lower Upper

99 100

42 24.5 15.6 23.4#

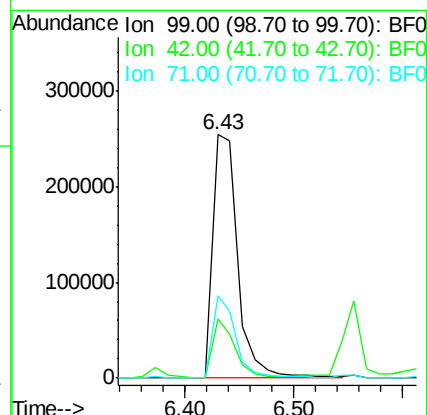
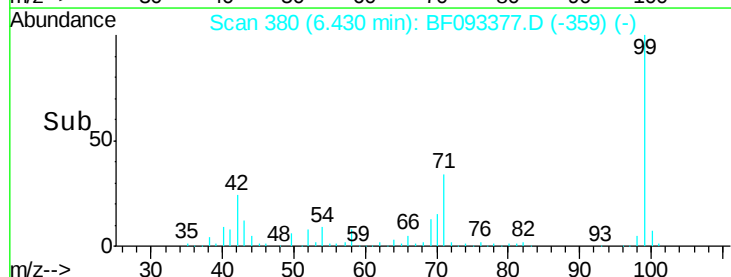
71 34.1 27.5 41.3

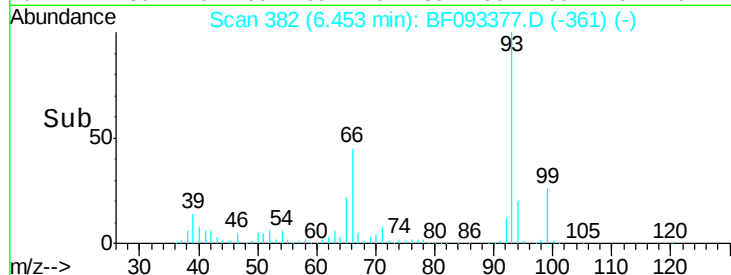
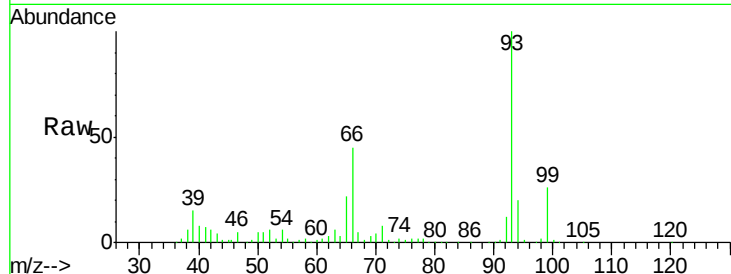
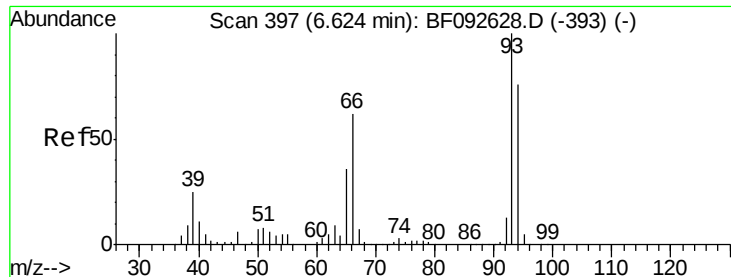


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 3.75 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.06 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

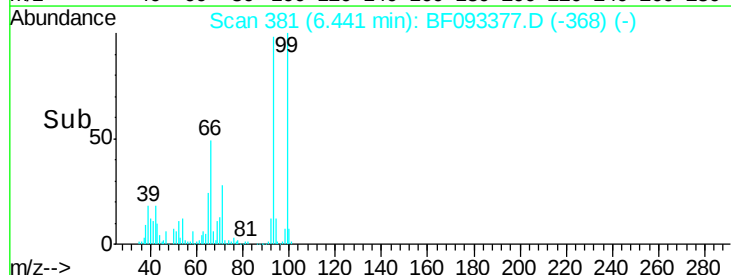
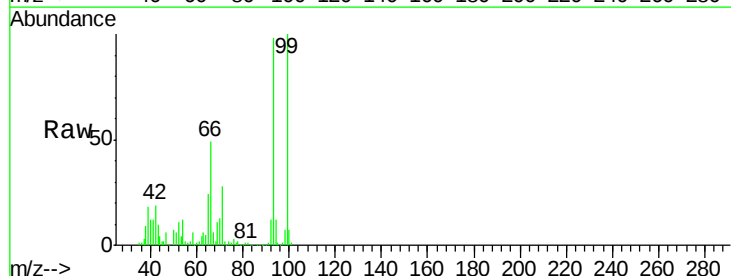
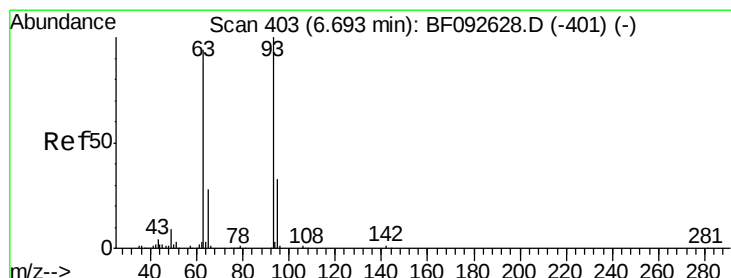
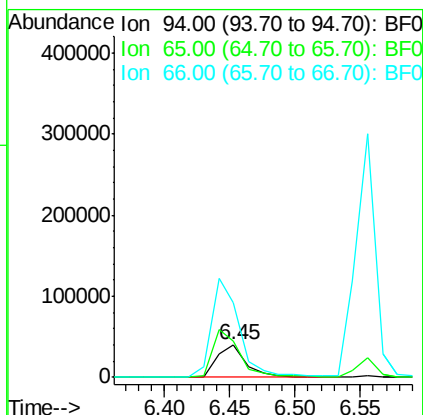
Tgt Ion: 94 Resp: 64890

Ion Ratio Lower Upper

94 100

65 109.5 21.4 61.4#

66 226.8 44.0 84.0#



#11

bis(2-Chloroethyl)ether

Concen: 27.73 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.15 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

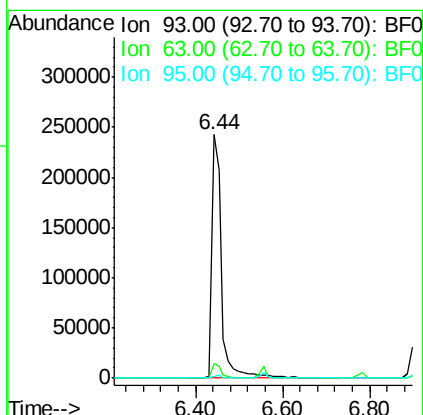
Tgt Ion: 93 Resp: 382573

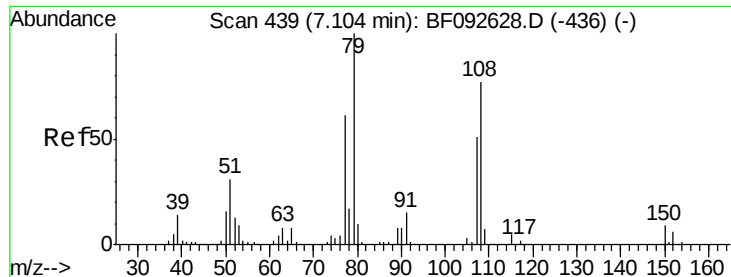
Ion Ratio Lower Upper

93 100

63 6.1 60.4 100.4#

95 0.6 12.8 52.8#





#15

Benzyl Alcohol

Concen: 5.22 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.06 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

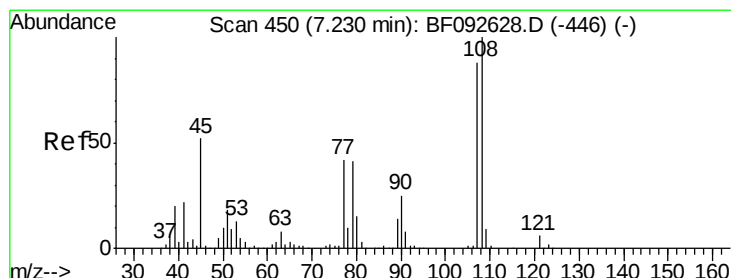
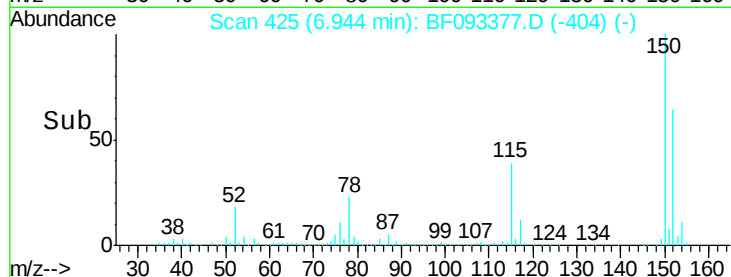
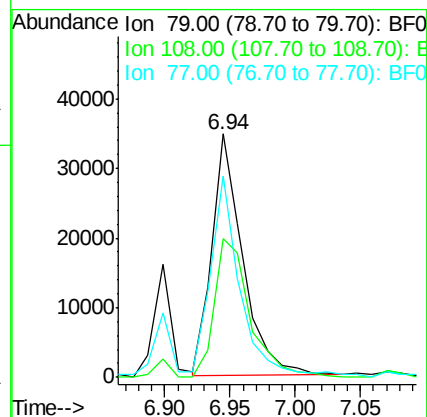
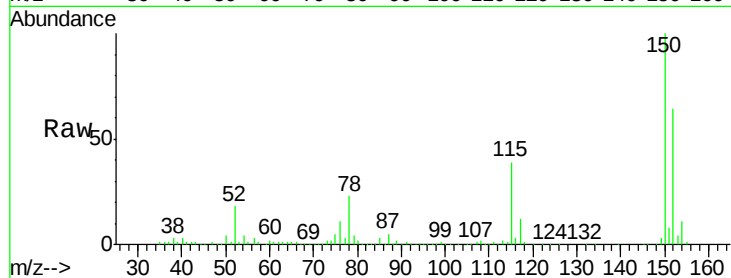
Tgt Ion: 79 Resp: 57098

Ion Ratio Lower Upper

79 100

108 56.9 61.4 92.0#

77 82.8 50.9 76.3#



#17

2-Methylphenol

Concen: 2.10 ng

RT: 6.96 min Scan# 426

Delta R.T. -0.16 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Tgt Ion: 107 Resp: 22797

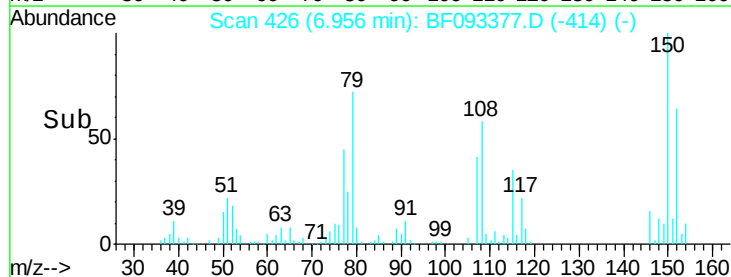
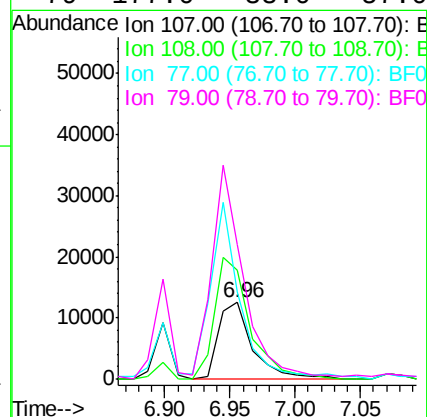
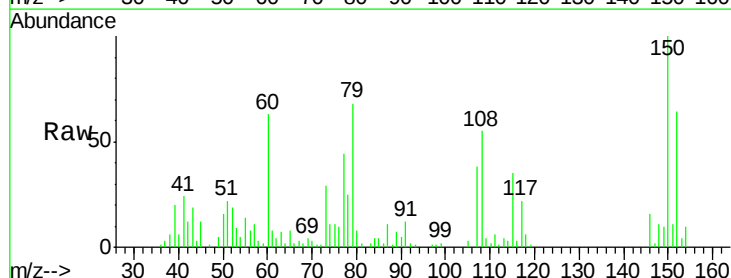
Ion Ratio Lower Upper

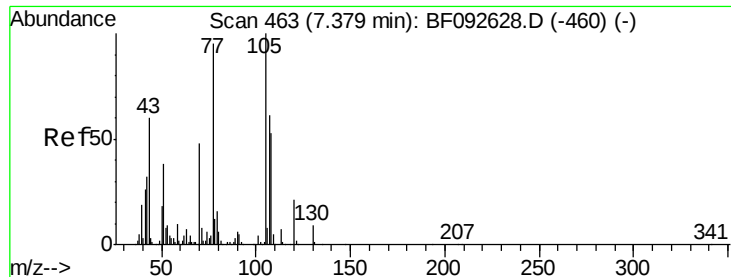
107 100

108 142.9 93.0 139.6#

77 114.0 39.8 59.8#

79 177.0 38.0 57.0#





#20

3+4-Methylphenols

Concen: 3.92 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

Tgt Ion:107 Resp: 50880

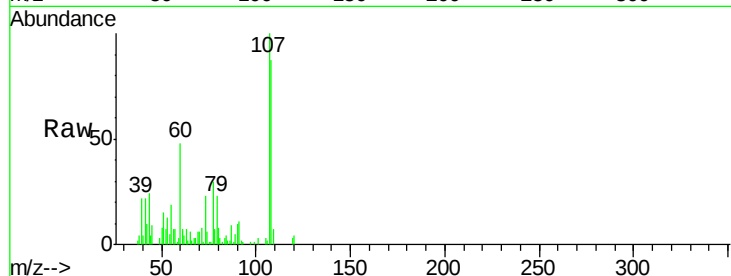
Ion Ratio Lower Upper

107 100

108 86.9 73.0 113.0

77 30.0 71.3 111.3#

79 23.1 11.1 51.1

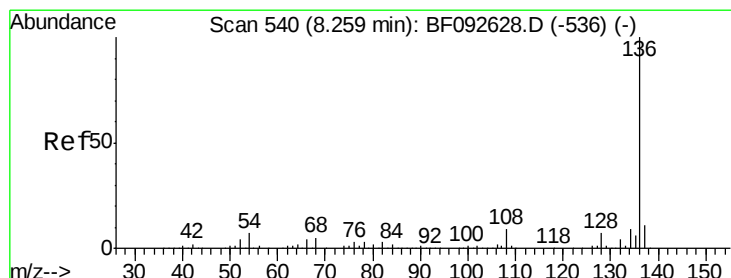
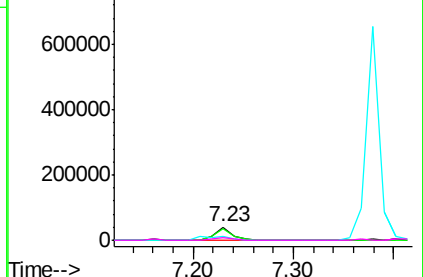
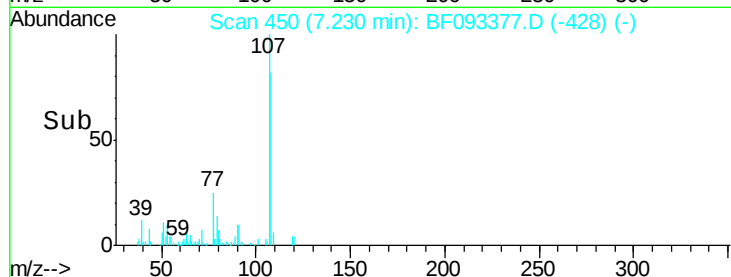


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.07 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Tgt Ion:136 Resp: 484792

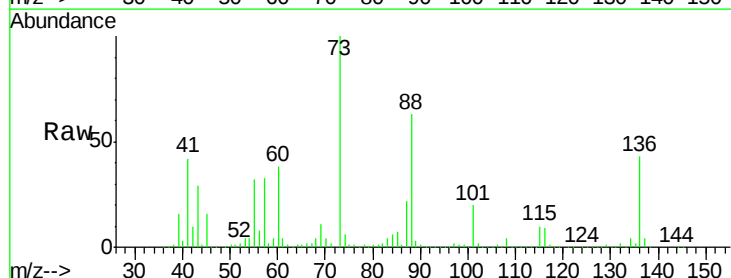
Ion Ratio Lower Upper

136 100

137 10.3 8.4 12.6

54 10.0 4.5 6.7#

68 8.2 3.6 5.4#

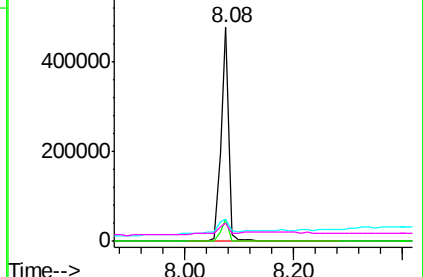
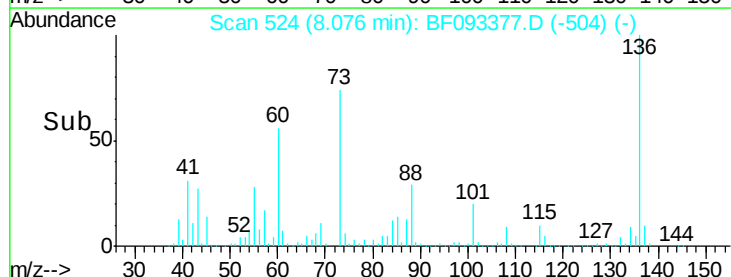


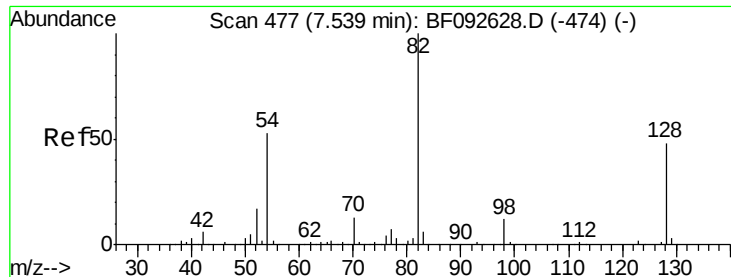
Abundance Ion 136.00 (135.70 to 136.70): E

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

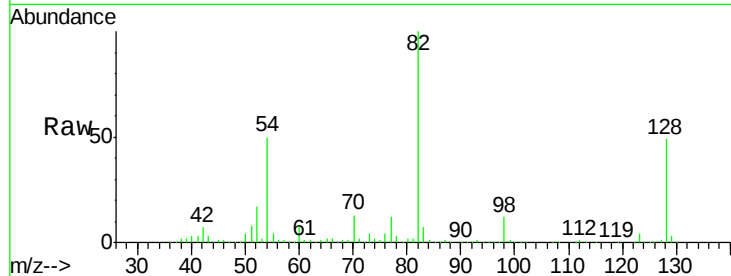




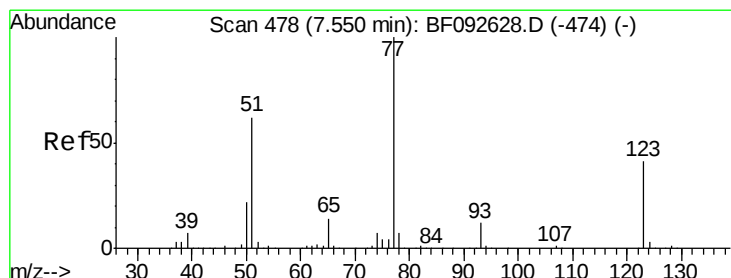
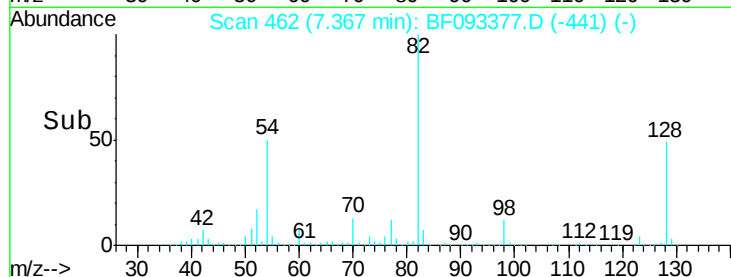
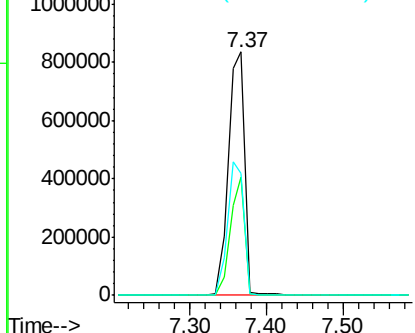
#23
 Nitrobenzene-d5
 Concen: 146.34 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.06 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Instrument :
 BNA_F
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 FRAC-TANK-252657

Tgt Ion: 82 Resp: 1273968
 Ion Ratio Lower Upper
 82 100
 128 48.6 34.6 52.0
 54 50.0 39.5 59.3

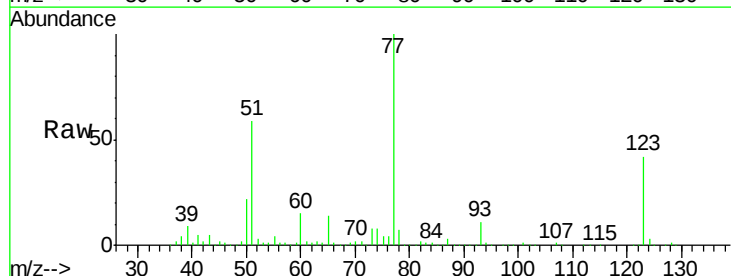


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

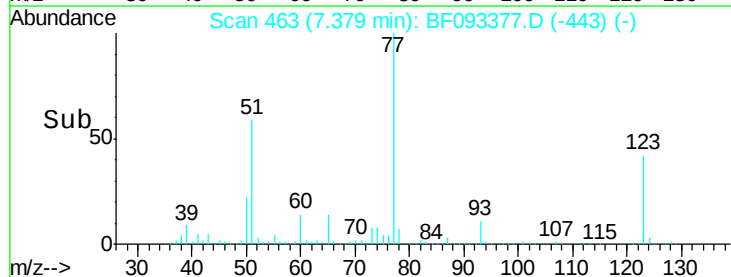
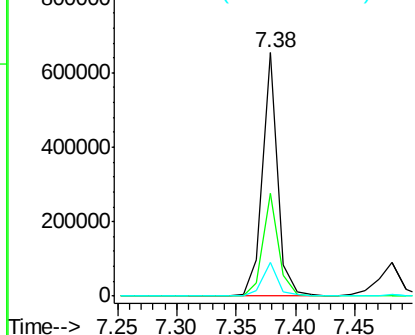


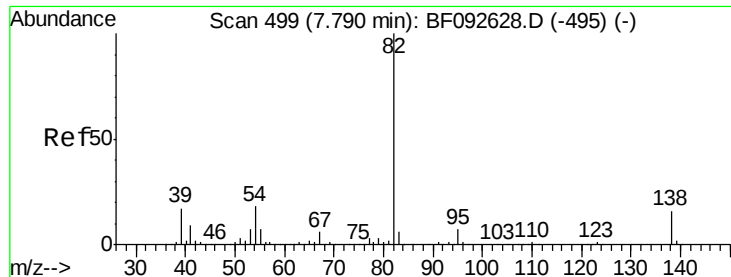
#24
 Nitrobenzene
 Concen: 66.07 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.07 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Tgt Ion: 77 Resp: 590623
 Ion Ratio Lower Upper
 77 100
 123 42.3 33.0 49.4
 65 14.1 11.2 16.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 69.10 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.32 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

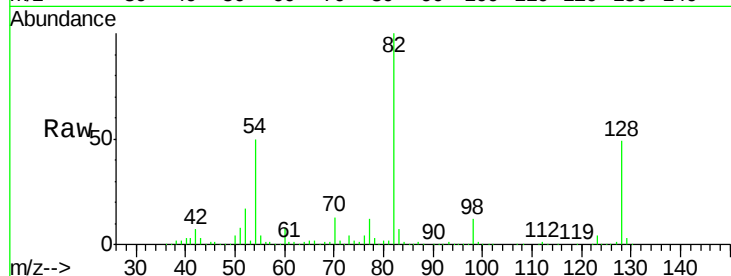
Tgt Ion: 82 Resp: 1120917

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

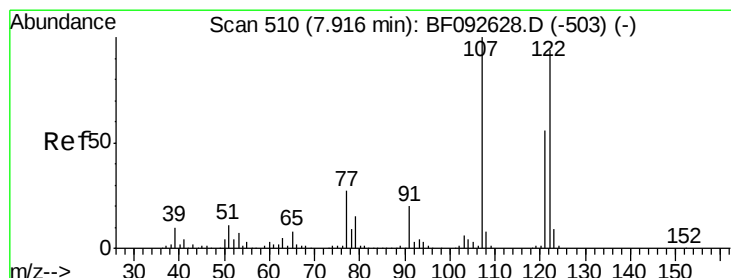
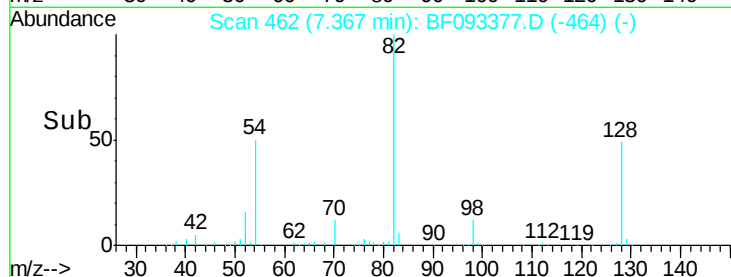
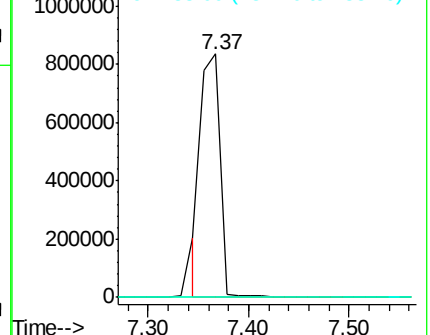
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#27

2,4-Dimethylphenol

Concen: 2.50 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

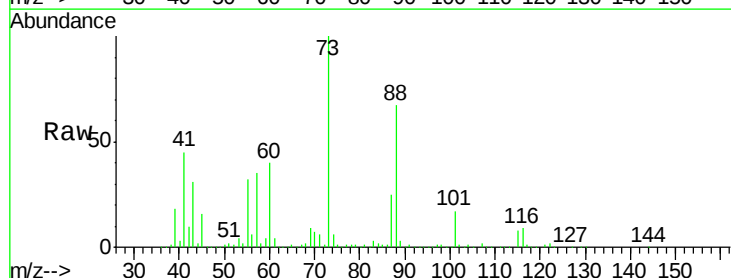
Tgt Ion: 122 Resp: 18627

Ion Ratio Lower Upper

122 100

107 125.3 94.1 141.1

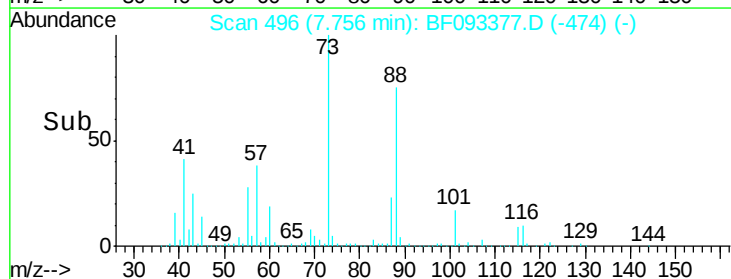
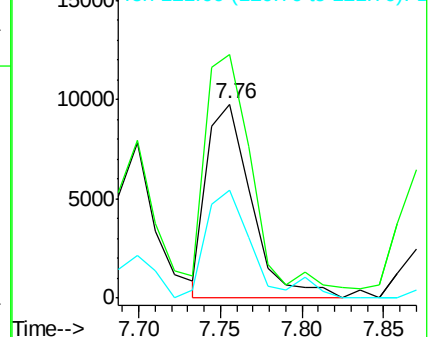
121 55.9 46.0 69.0

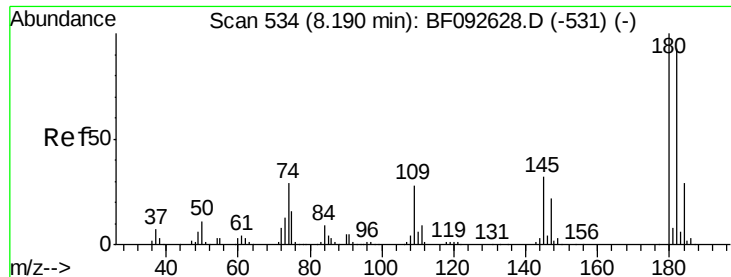


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

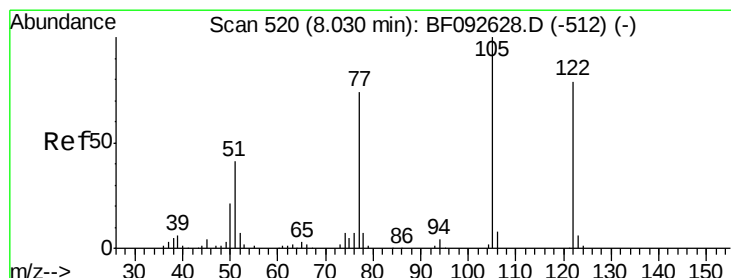
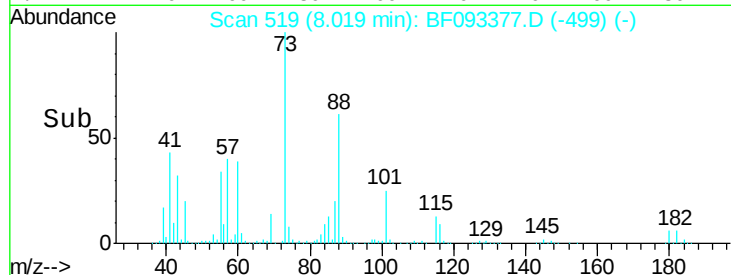
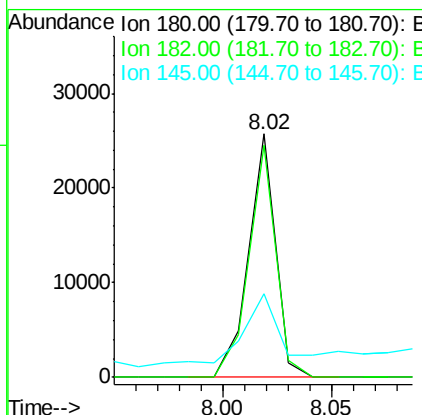
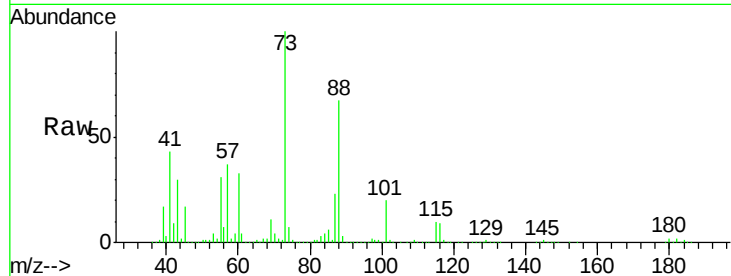




#30
 1,2,4-Trichlorobenzene
 Concen: 2.94 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.07 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

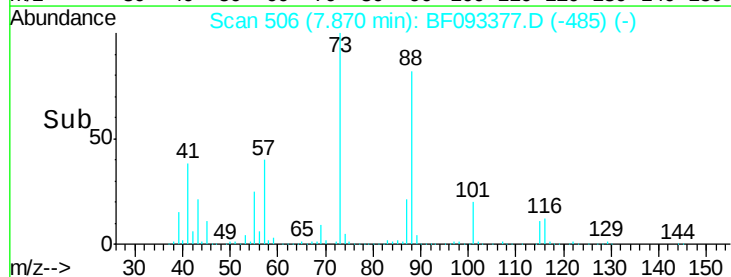
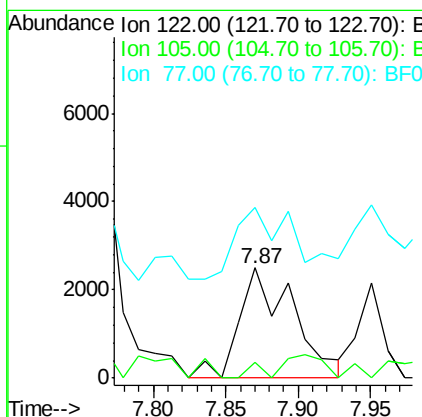
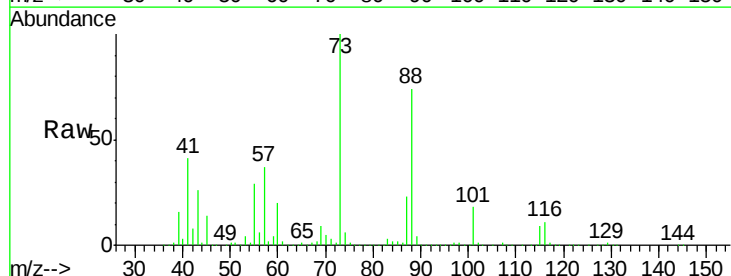
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-252657

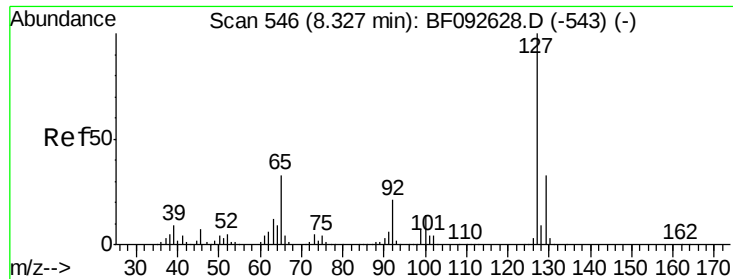
Tgt Ion:180 Resp: 22081
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.2 117.4
 145 34.2 21.6 32.4#



#32
 Benzoic acid
 Concen: 8.46 ng
 RT: 7.87 min Scan# 506
 Delta R.T. -0.06 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Tgt Ion:122 Resp: 6448
 Ion Ratio Lower Upper
 122 100
 105 14.7 107.2 147.2#
 77 154.6 74.5 114.5#

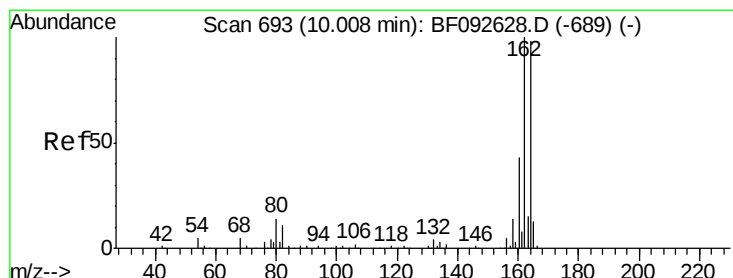
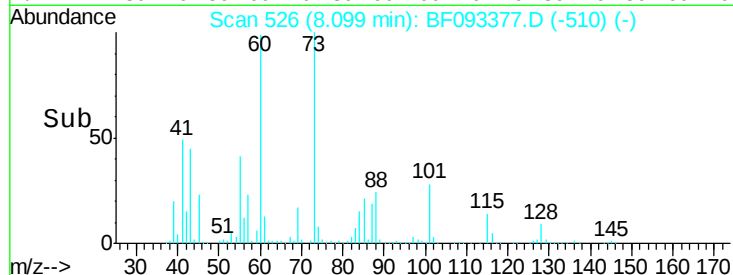
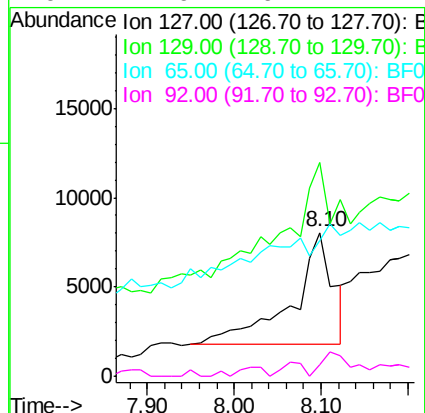
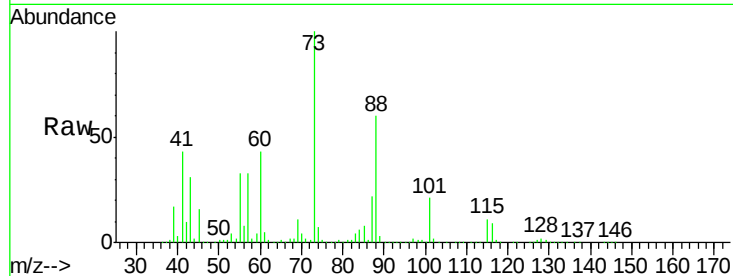




#33
4-Chloroaniline
Concen: 2.11 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.11 min
Lab File: BF093377.D
Acq: 3 Mar 2017 23:46

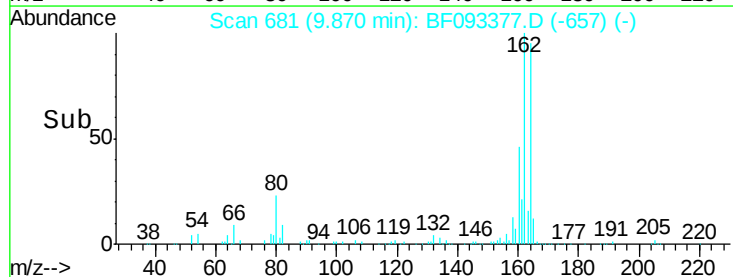
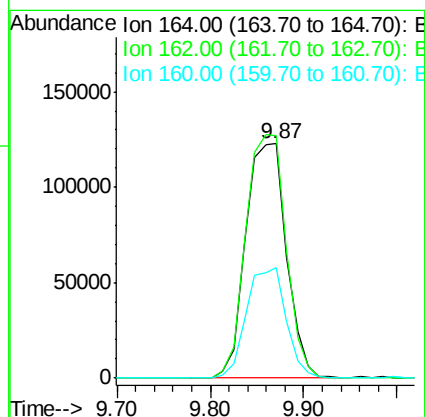
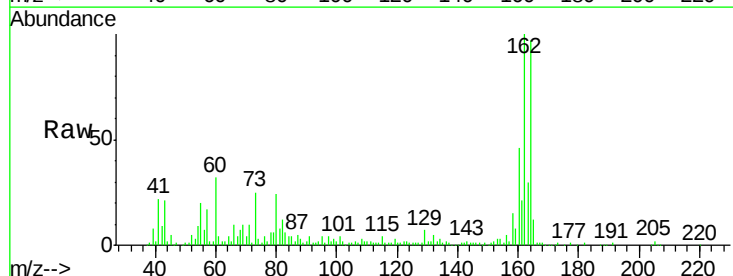
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-252657

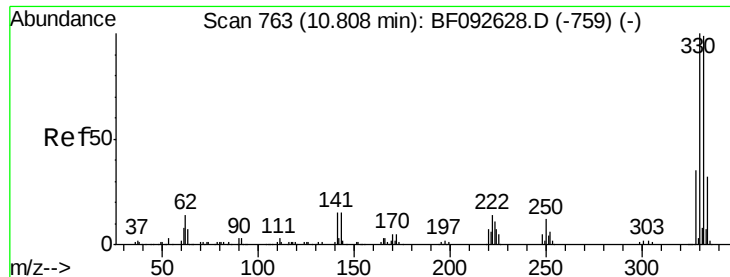
Tgt Ion:	127	Resp:	20305
Ion	Ratio	Lower	Upper
127	100		
129	148.5	26.3	39.5#
65	94.3	25.8	38.8#
92	7.9	16.1	24.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093377.D
Acq: 3 Mar 2017 23:46

Tgt Ion:	164	Resp:	373320
Ion	Ratio	Lower	Upper
164	100		
162	103.3	80.2	120.2
160	47.3	36.9	55.3

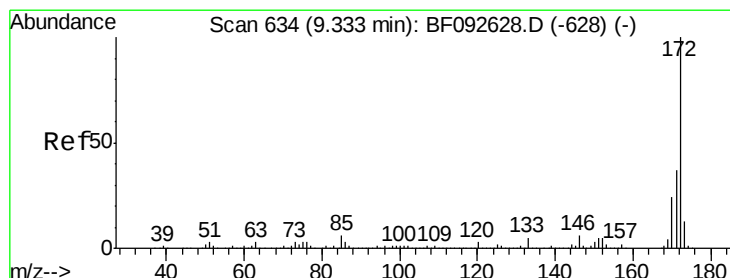
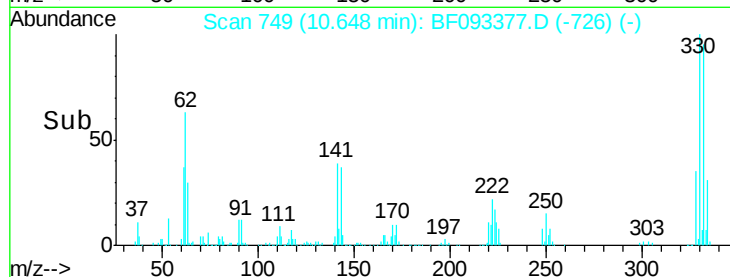
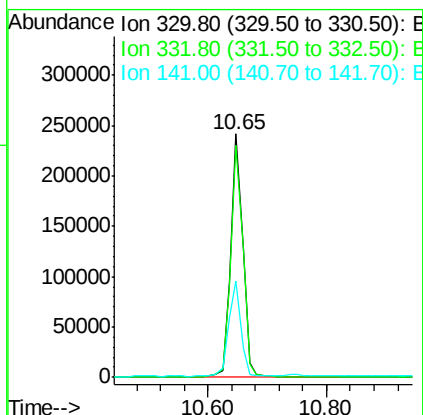
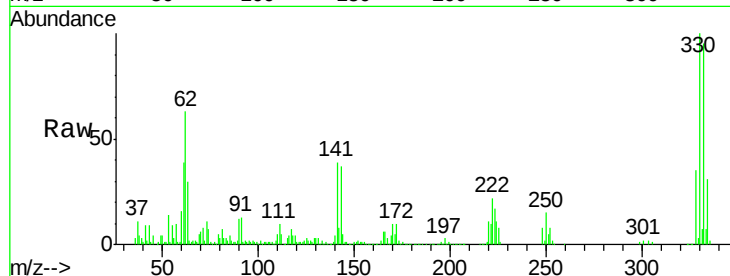




#41
 2,4,6-Tribromophenol
 Concen: 126.59 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

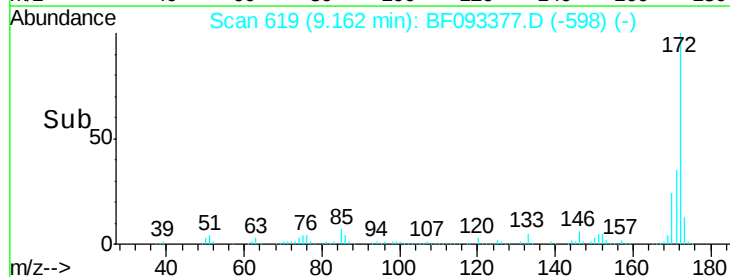
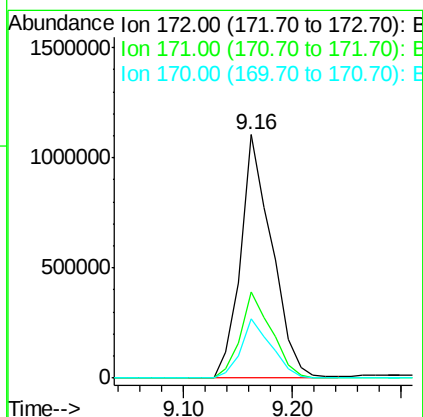
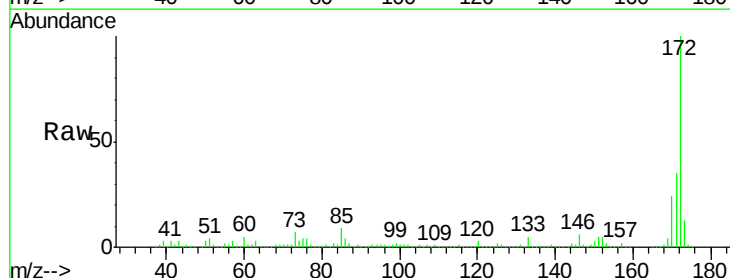
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-252657

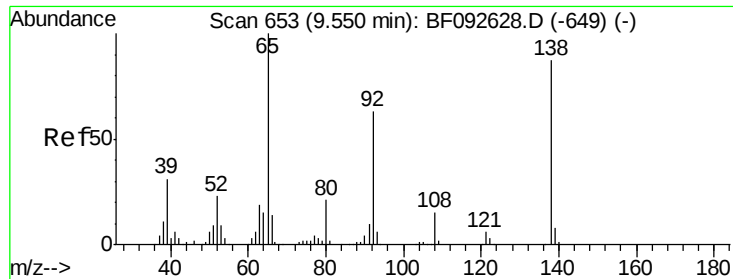
Tgt Ion:330 Resp: 341790
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 39.4 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 107.34 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Tgt Ion:172 Resp: 2211829
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.4 44.0
 170 24.3 20.2 30.4

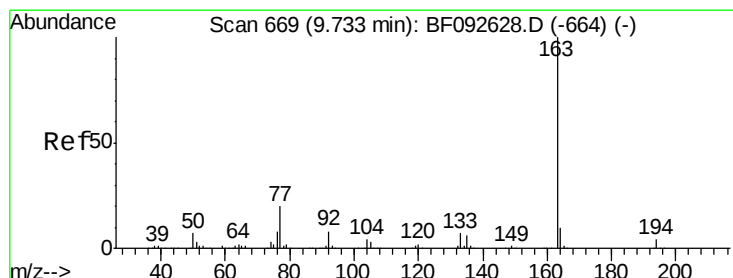
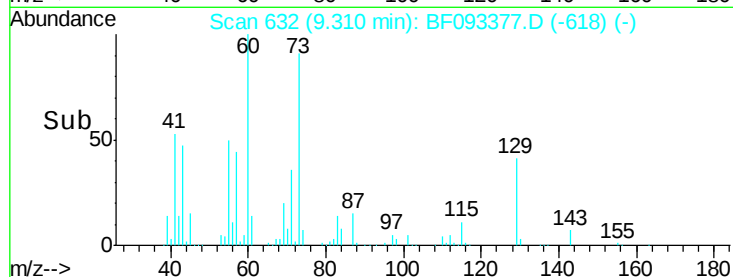
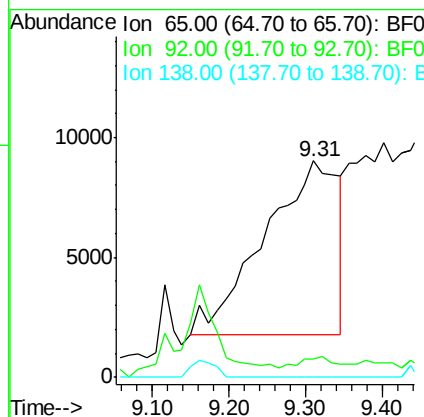
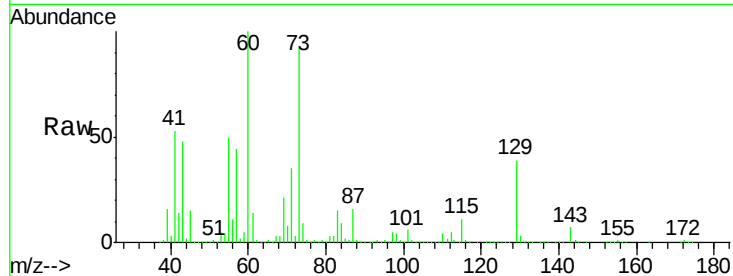




#47
 2-Nitroaniline
 Concen: 6.82 ng
 RT: 9.31 min Scan# 632
 Delta R.T. -0.14 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

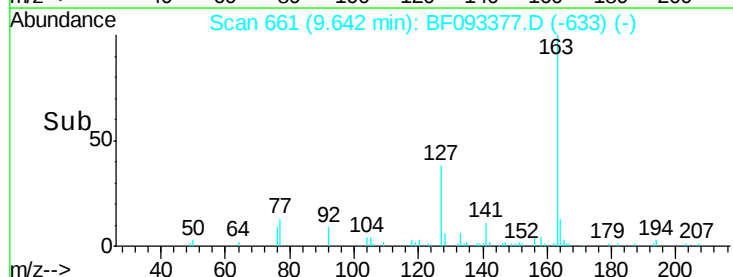
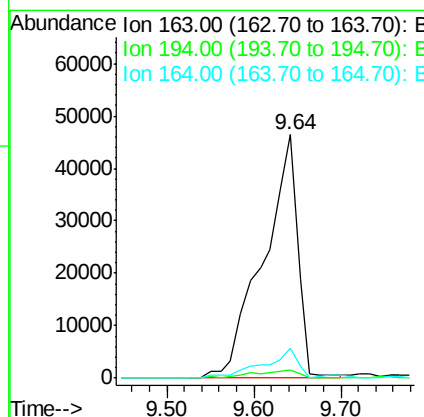
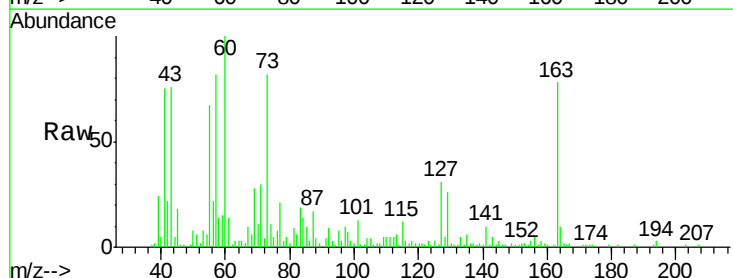
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-252657

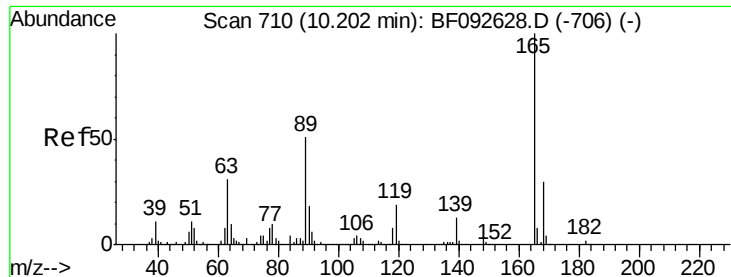
Tgt Ion: 65 Resp: 48513
 Ion Ratio Lower Upper
 65 100
 92 8.5 53.9 80.9#
 138 0.0 76.8 115.2#



#49
 Dimethylphthalate
 Concen: 5.07 ng
 RT: 9.64 min Scan# 661
 Delta R.T. 0.02 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Tgt Ion: 163 Resp: 127503
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 12.4 8.0 12.0#

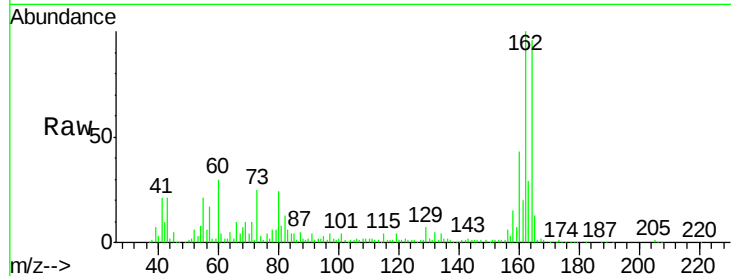




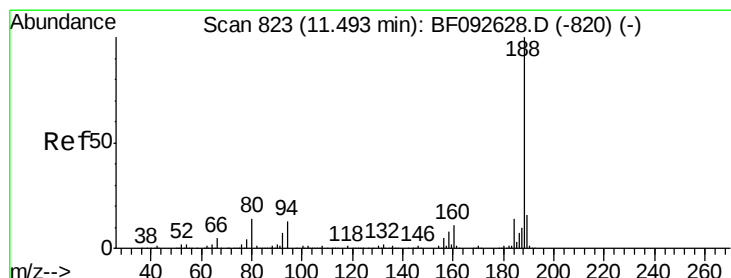
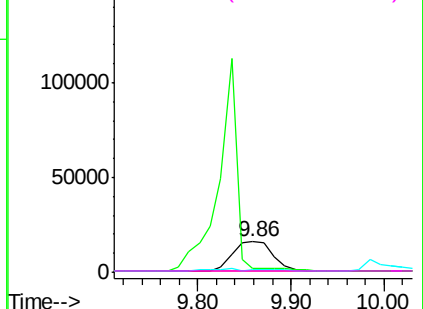
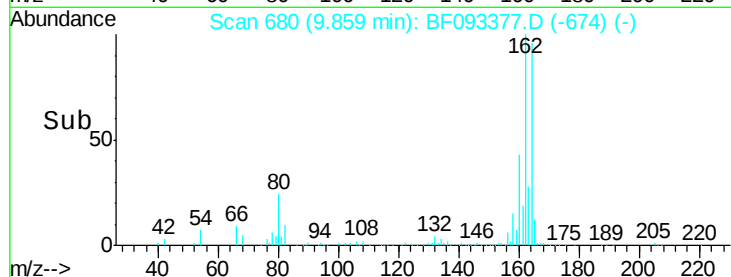
#56
2,4-Dinitrotoluene
Concen: 6.60 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.23 min
Lab File: BF093377.D
Acq: 3 Mar 2017 23:46

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-252657

Tgt Ion:165 Resp: 47699
Ion Ratio Lower Upper
165 100
63 14.7 40.2 60.4#
89 6.7 62.5 93.7#
182 3.4 1.8 2.8#

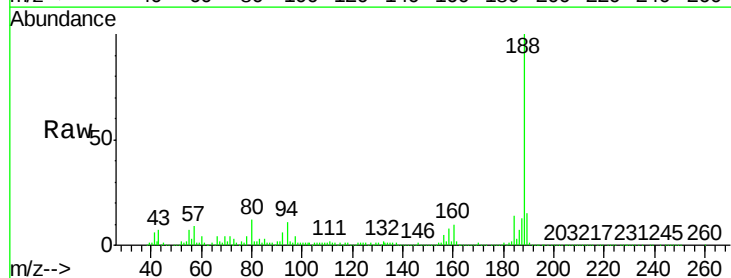


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

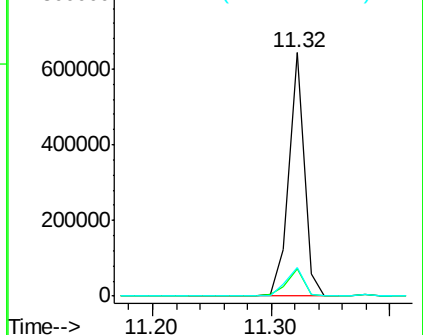
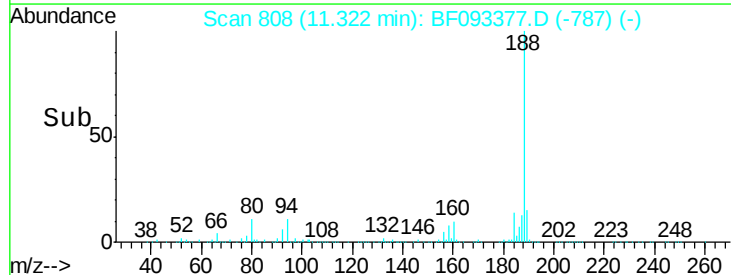


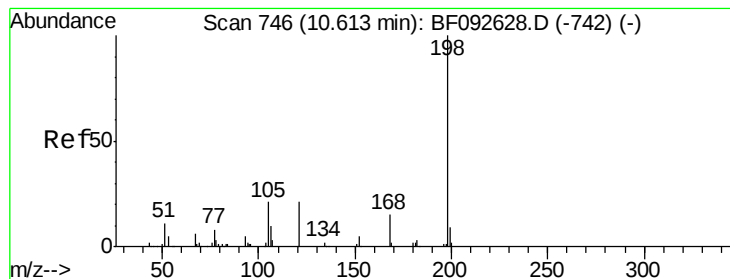
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF093377.D
Acq: 3 Mar 2017 23:46

Tgt Ion:188 Resp: 573792
Ion Ratio Lower Upper
188 100
94 11.0 10.0 15.0
80 11.8 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.10 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.15 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

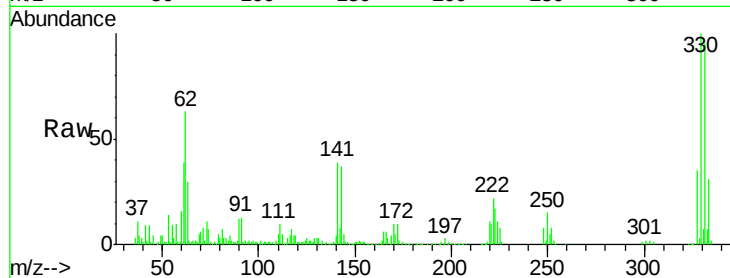
Tgt Ion:198 Resp: 1604

Ion Ratio Lower Upper

198 100

51 287.0 6.7 46.7#

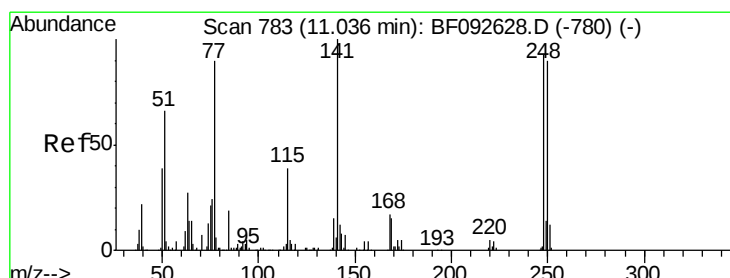
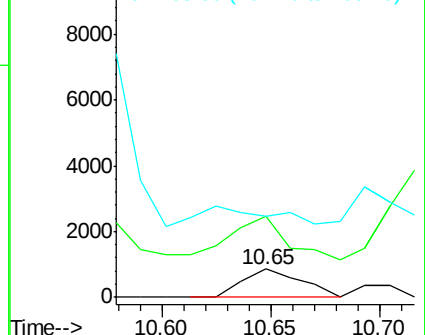
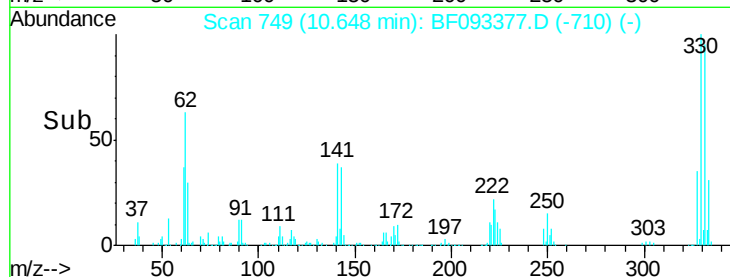
105 286.8 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.48 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.27 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

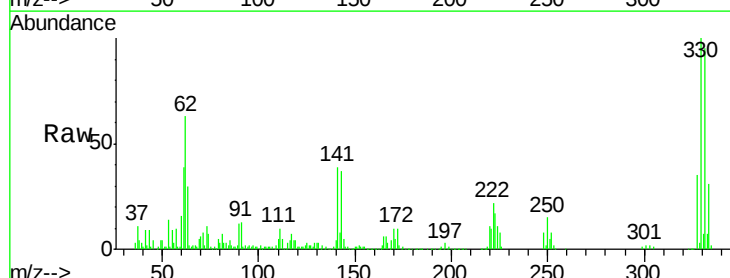
Tgt Ion:248 Resp: 26832

Ion Ratio Lower Upper

248 100

250 180.6 76.9 115.3#

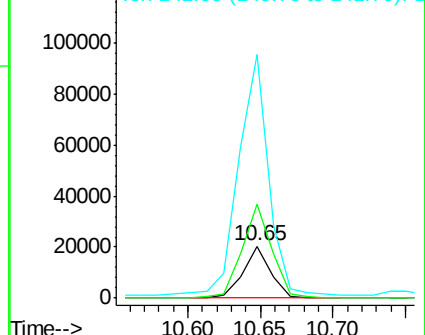
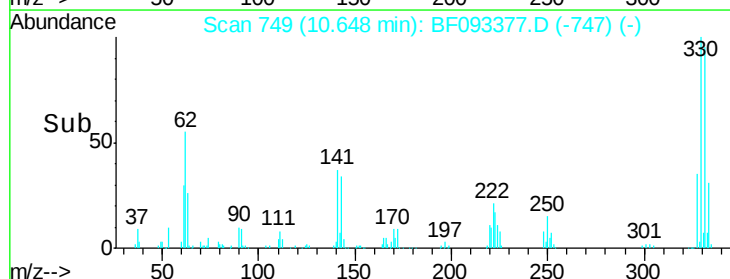
141 471.6 68.2 102.4#

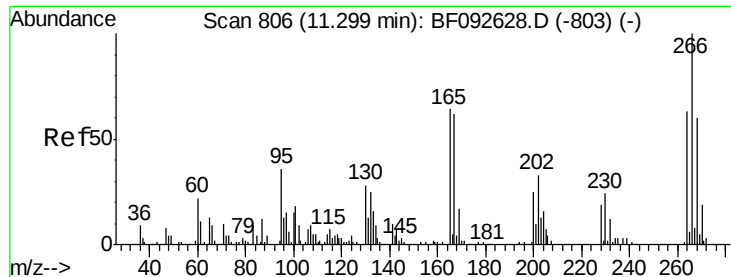


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

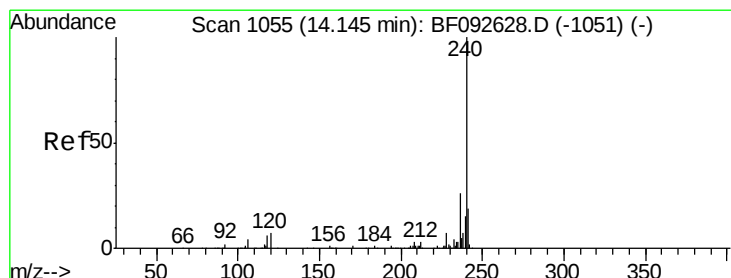
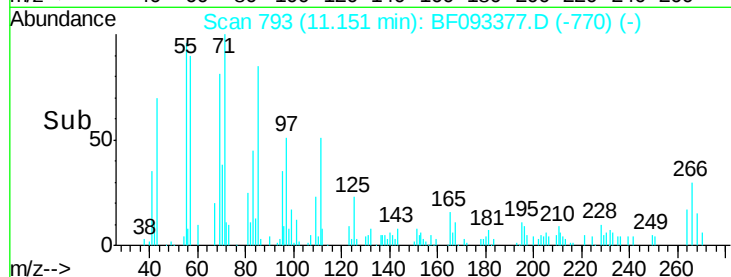
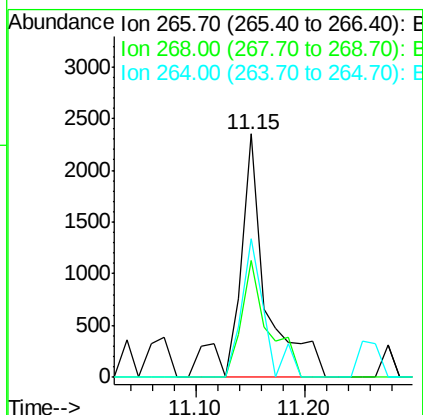
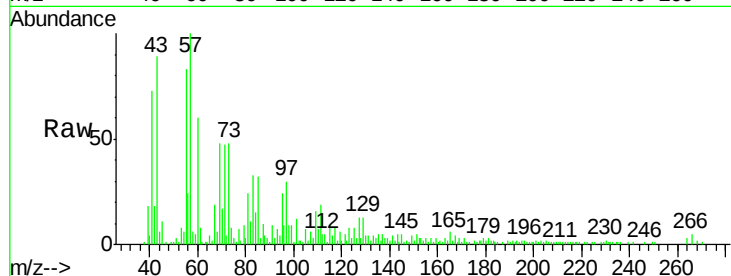




#69
 Pentachlorophenol
 Concen: 8.40 ng
 RT: 11.15 min Scan# 793
 Delta R.T. -0.03 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

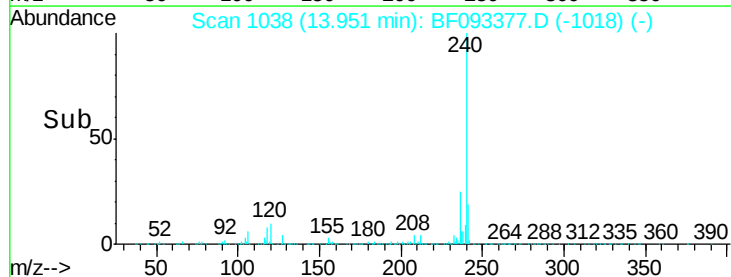
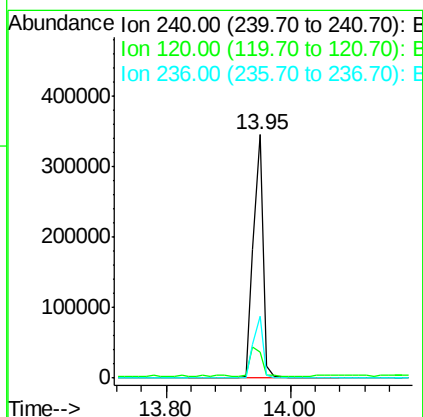
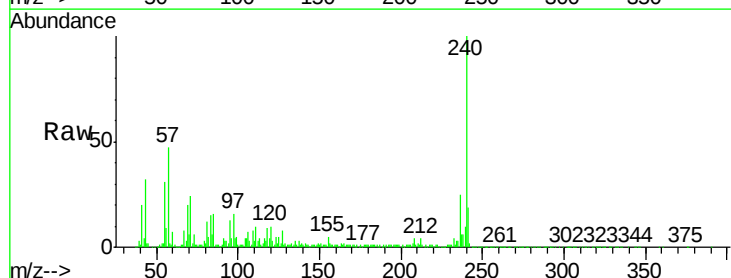
Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-252657

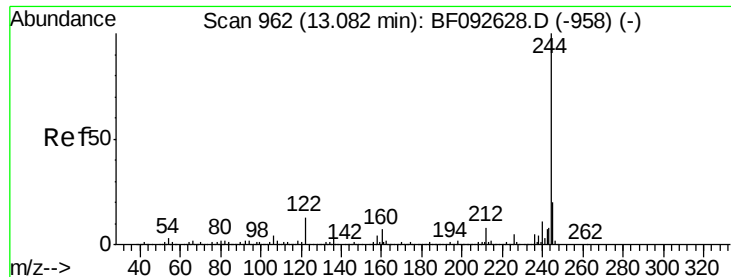
Tgt Ion:266 Resp: 4040
 Ion Ratio Lower Upper
 266 100
 268 48.1 53.3 79.9#
 264 56.9 50.3 75.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.07 min
 Lab File: BF093377.D
 Acq: 3 Mar 2017 23:46

Tgt Ion:240 Resp: 383069
 Ion Ratio Lower Upper
 240 100
 120 10.5 12.9 19.3#
 236 25.2 20.9 31.3





#78

Terphenyl-d14

Concen: 55.80 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-252657

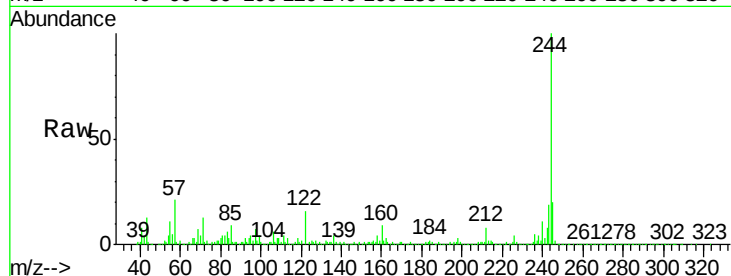
Tgt Ion:244 Resp: 909690

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

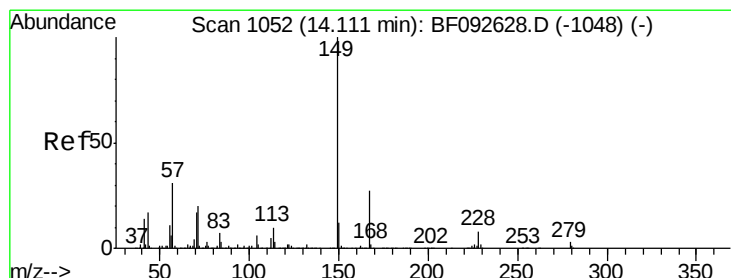
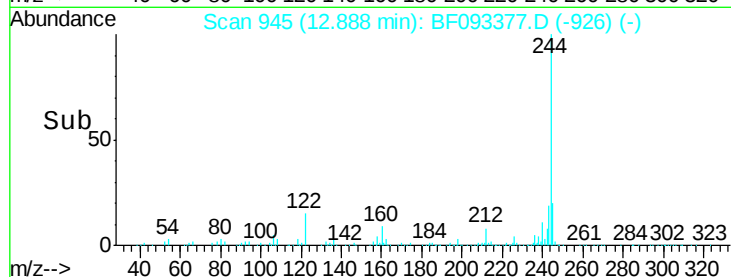
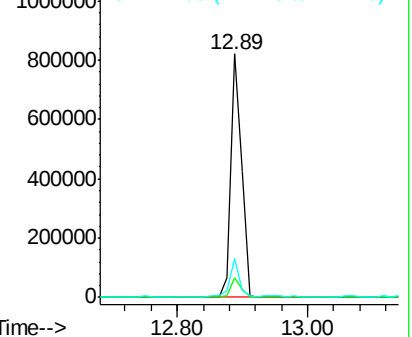
122 15.8 11.4 17.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.76 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.08 min

Lab File: BF093377.D

Acq: 3 Mar 2017 23:46

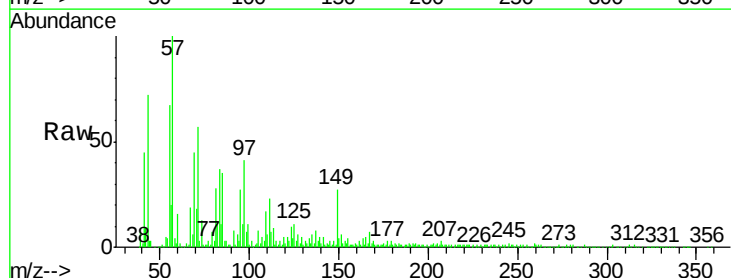
Tgt Ion:149 Resp: 43862

Ion Ratio Lower Upper

149 100

167 26.9 20.2 30.4

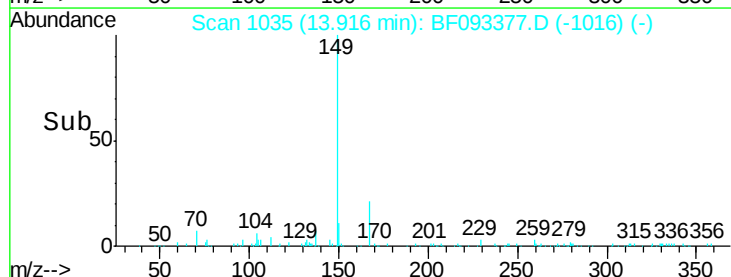
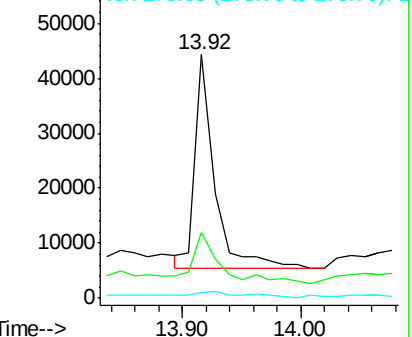
279 2.5 1.8 2.8

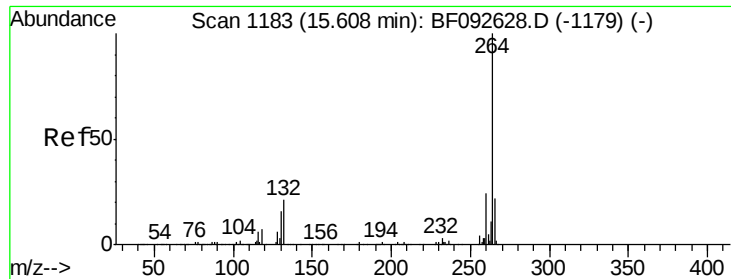


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

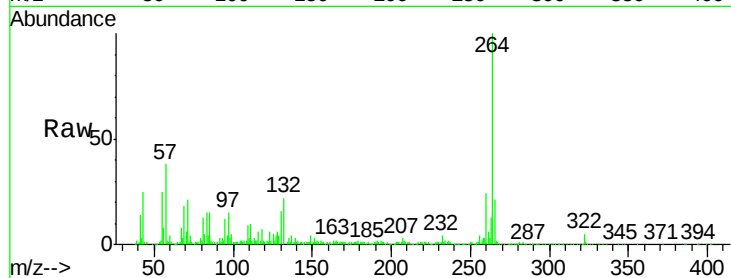




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.08 min
Lab File: BF093377.D
Acq: 3 Mar 2017 23:46

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-252657

Tgt Ion:	264	Resp:	332017
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.2	17.4	26.0



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

