

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011816\
 Data File : BF084540.D
 Acq On : 18 Jan 2016 17:24
 Operator : SJ/UM
 Sample : H1140-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYS-DIS-011416

Quant Time: Jan 18 23:52:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	287517	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	1139959	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	582420	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	1041258	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	829356	20.00	ng	-0.05
86) Perylene-d12	15.37	264	648835	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	353342	19.88	ng	-0.03
7) Phenol-d6	6.44	99	307123	13.76	ng	-0.03
23) Nitrobenzene-d5	7.36	82	798731	39.00	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	227860	38.75	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1536314	43.30	ng	-0.03
78) Terphenyl-d14	12.90	244	1118471	30.10	ng	-0.05

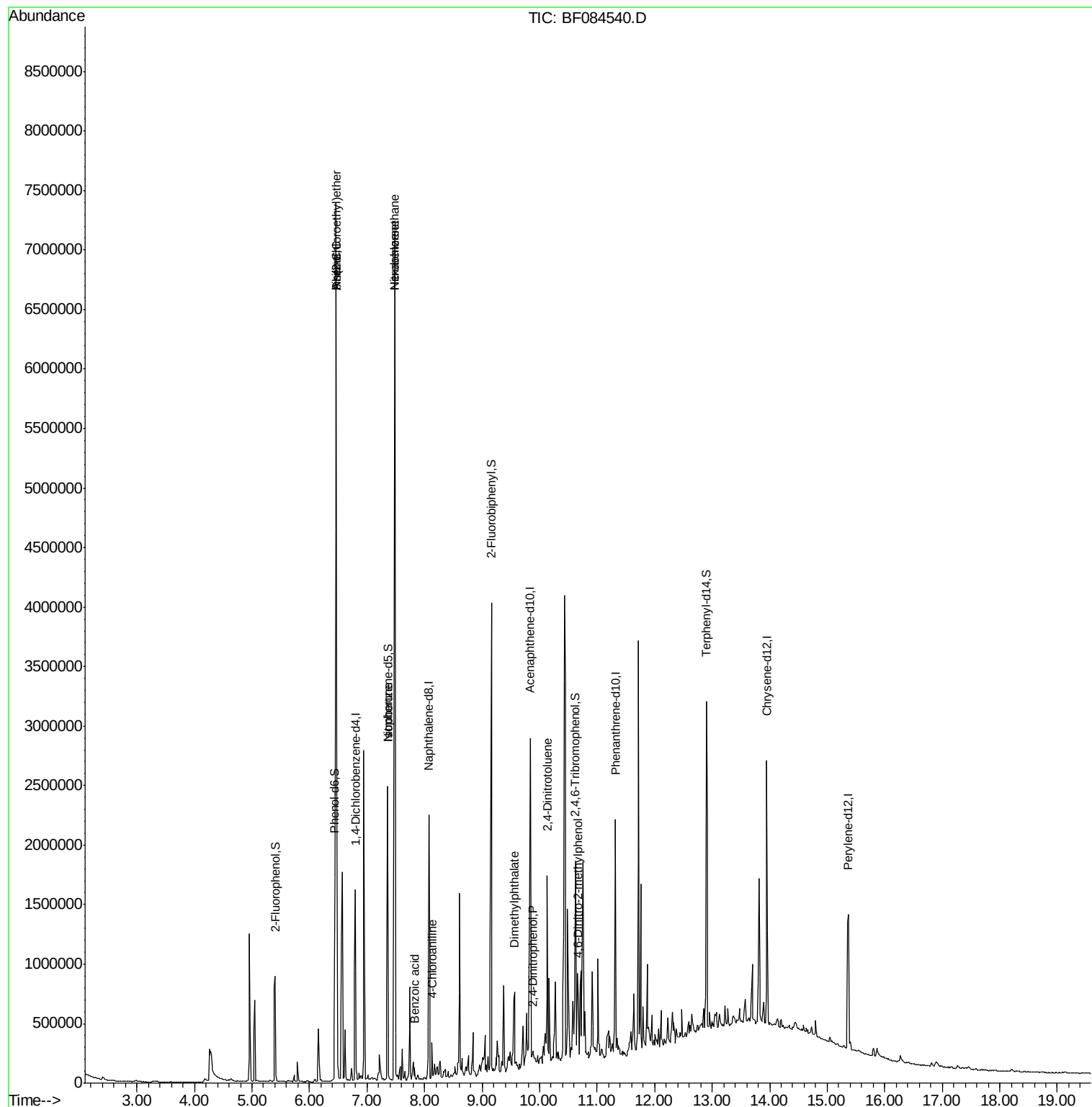
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.46	93	3861012	118.22	ng	# 86
10) Phenol	6.46	94	313144	12.34	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	3861012	196.36	ng	# 31
18) Hexachloroethane	7.48	117	60833	7.29	ng	# 1
24) Nitrobenzene	7.48	77	1806414	86.95	ng	# 40
25) Isophorone	7.36	82	636788	16.26	ng	# 66
32) Benzoic acid	7.82	122	818	6.31	ng	# 50
33) 4-Chloroaniline	8.13	127	47759	2.01	ng	# 61
49) Dimethylphthalate	9.56	163	380226	9.13	ng	# 91
53) 2,4-Dinitrophenol	9.88	184	266	3.62	ng	# 1
54) Dibenzofuran	10.03	168	2032	Below Cal		# 18
56) 2,4-Dinitrotoluene	10.13	165	30476	2.64	ng	# 29
57) Fluorene	10.37	166	904	Below Cal		# 64
60) 4-Chlorophenyl-phenylether	10.54	204	260	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.67	198	3710	6.85	ng	# 72
73) Di-n-butylphthalate	11.89	149	14541	Below Cal		# 36

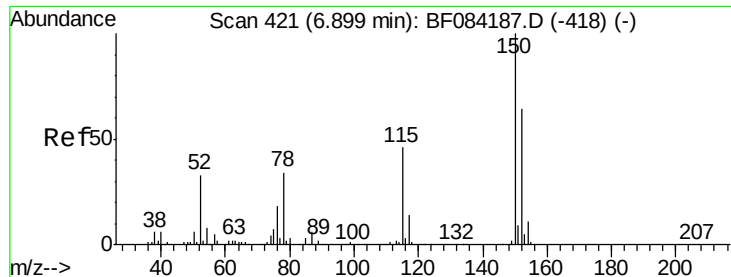
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

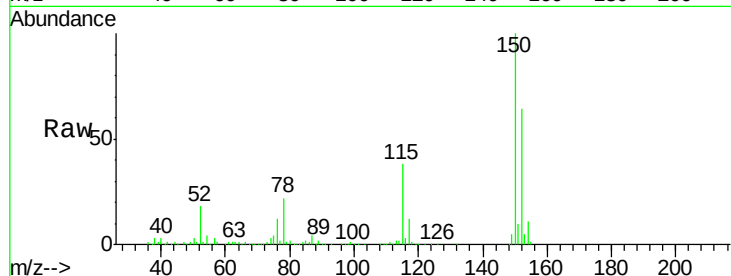
Tgt Ion:152 Resp: 287517

Ion Ratio Lower Upper

152 100

150 155.4 123.0 184.4

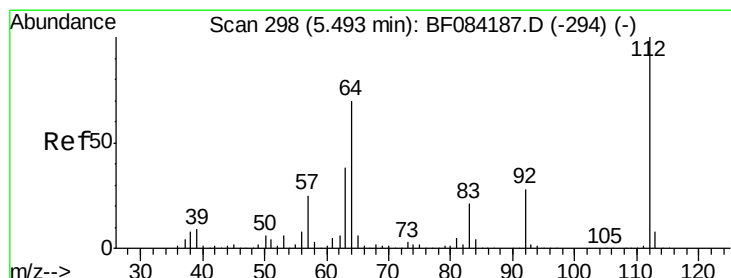
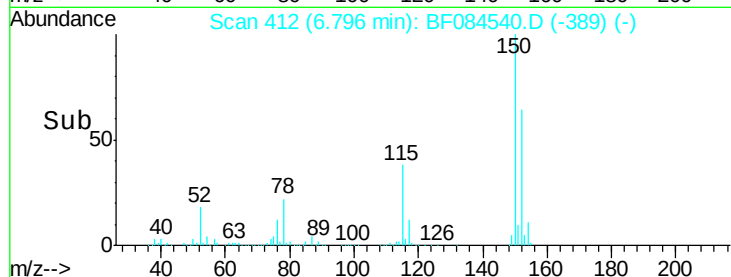
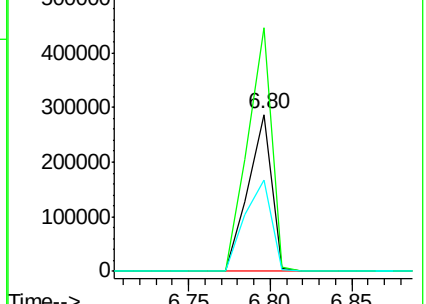
115 58.5 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 19.88 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

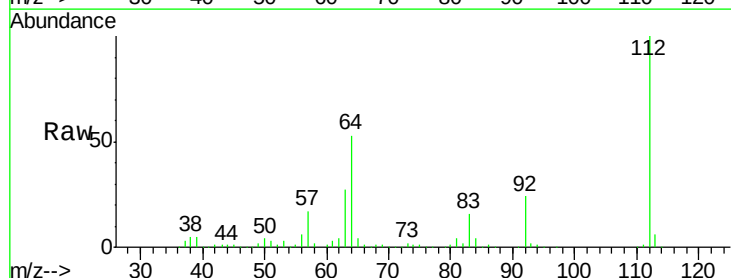
Tgt Ion:112 Resp: 353342

Ion Ratio Lower Upper

112 100

64 53.2 36.6 55.0

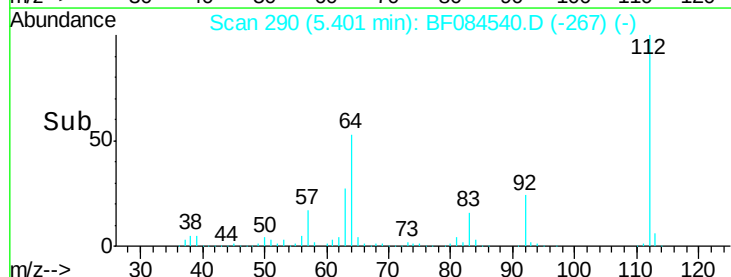
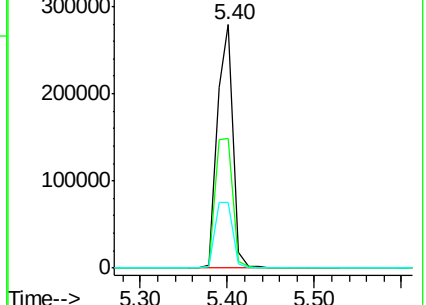
63 26.8 19.4 29.0

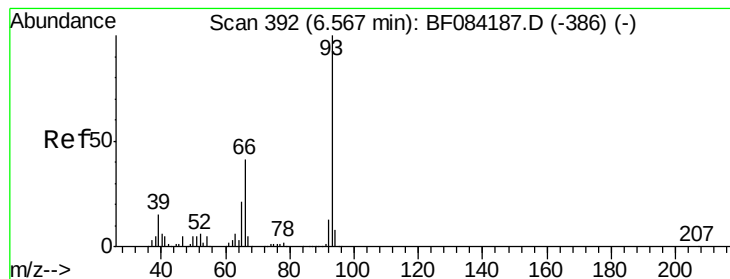


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 118.22 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

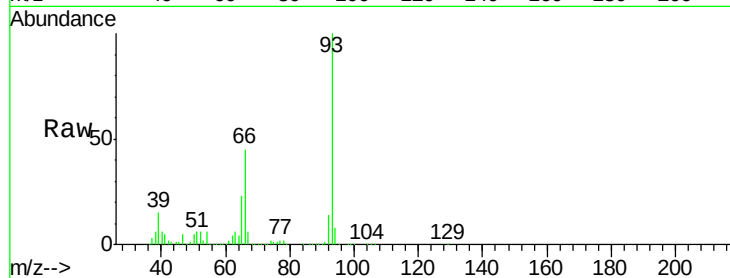
Tgt Ion: 93 Resp: 3861012

Ion Ratio Lower Upper

93 100

66 44.5 44.9 67.3#

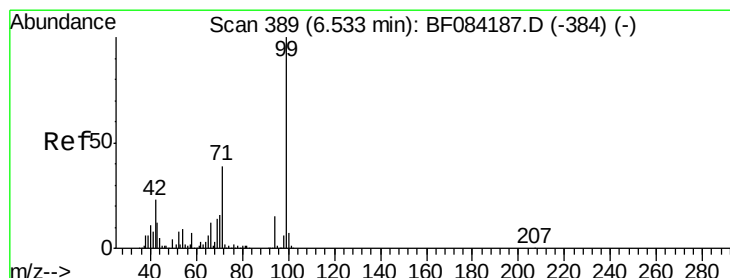
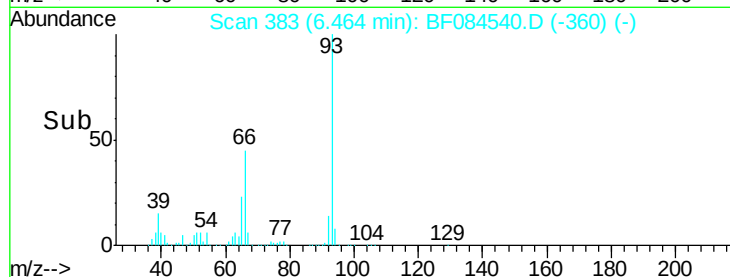
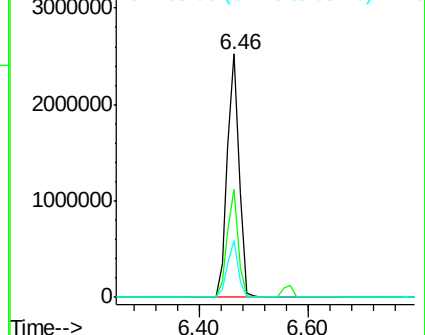
65 23.3 23.7 35.5#



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: 13.76 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

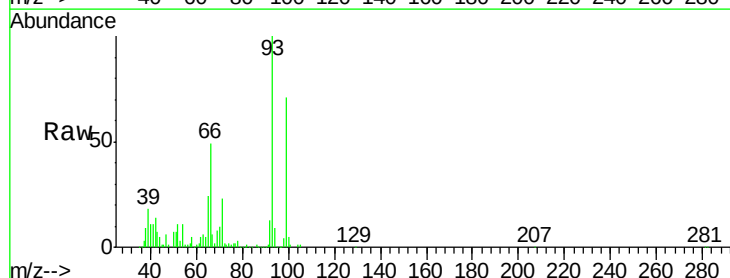
Tgt Ion: 99 Resp: 307123

Ion Ratio Lower Upper

99 100

42 20.3 12.8 19.2#

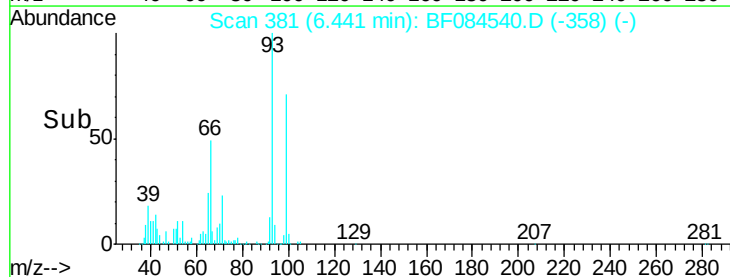
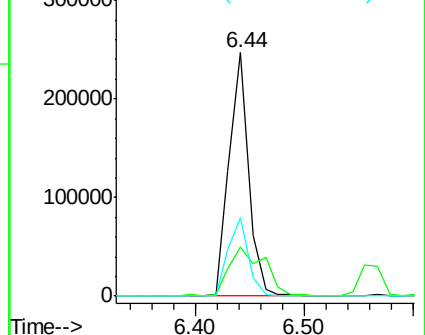
71 32.1 30.9 46.3

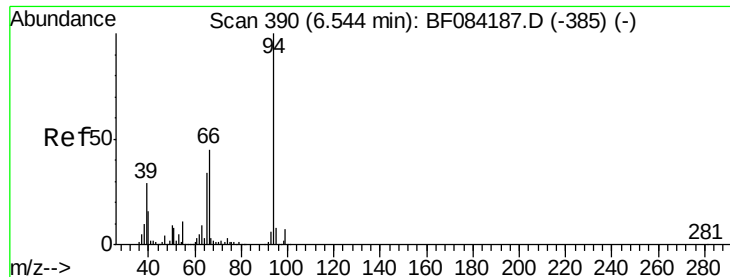


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: 12.34 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

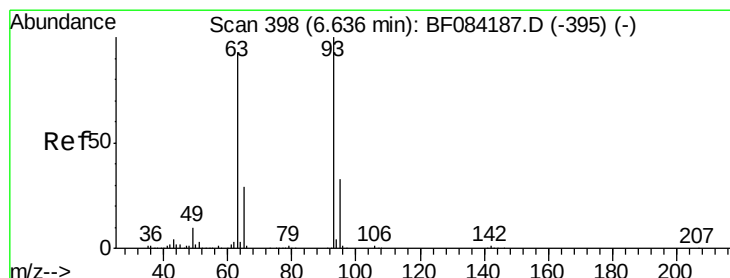
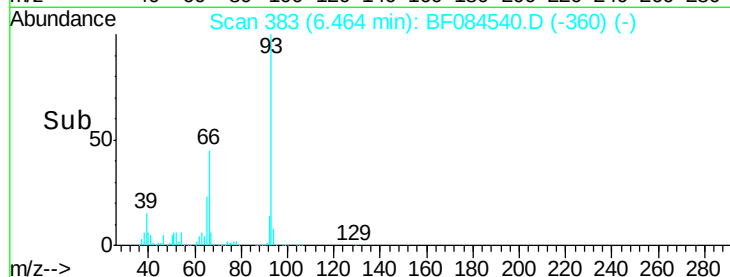
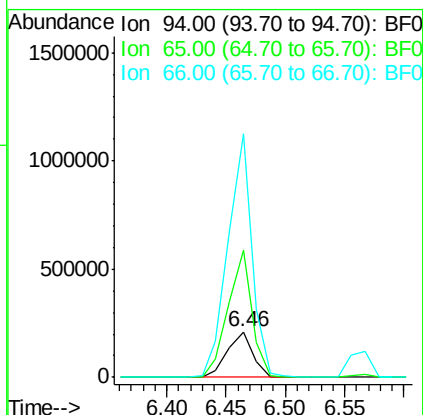
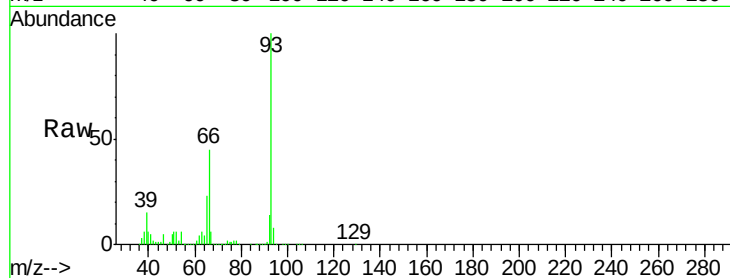
Tgt Ion: 94 Resp: 313144

Ion Ratio Lower Upper

94 100

65 281.7 12.9 52.9#

66 538.2 32.7 72.7#



#11

bis(2-Chloroethyl)ether

Concen: 196.36 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.11 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

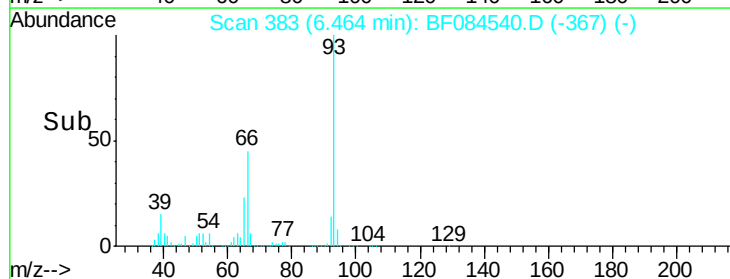
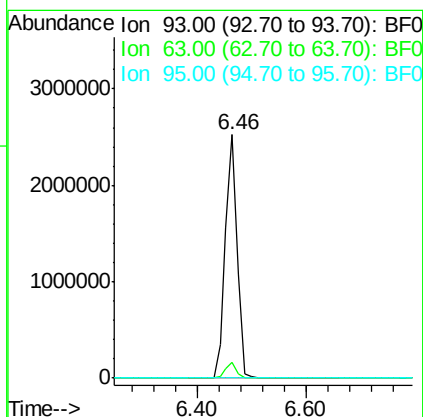
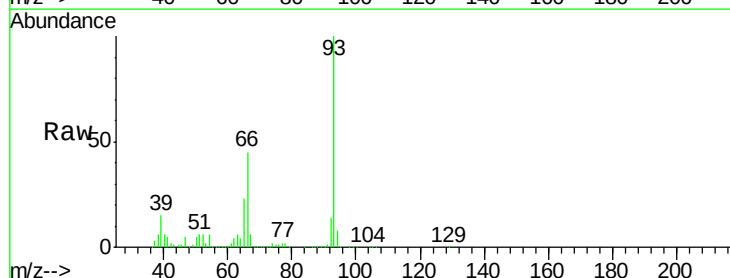
Tgt Ion: 93 Resp: 3861012

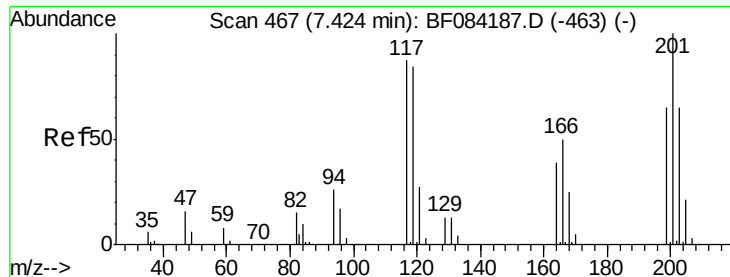
Ion Ratio Lower Upper

93 100

63 6.4 45.9 85.9#

95 0.2 12.3 52.3#





#18

Hexachloroethane

Concen: 7.29 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

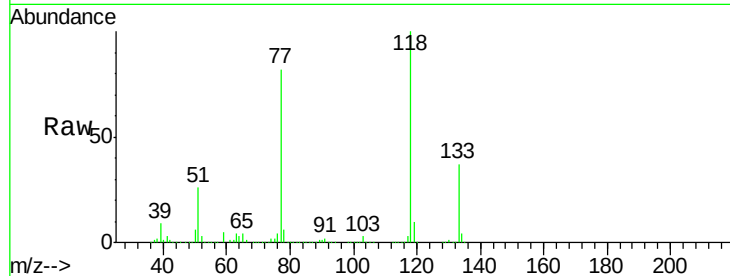
Tgt Ion:117 Resp: 60833

Ion Ratio Lower Upper

117 100

119 351.0 77.4 116.0#

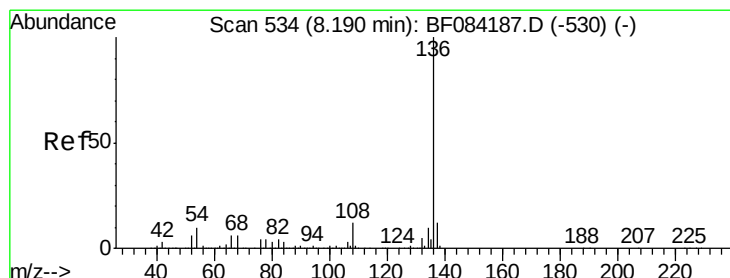
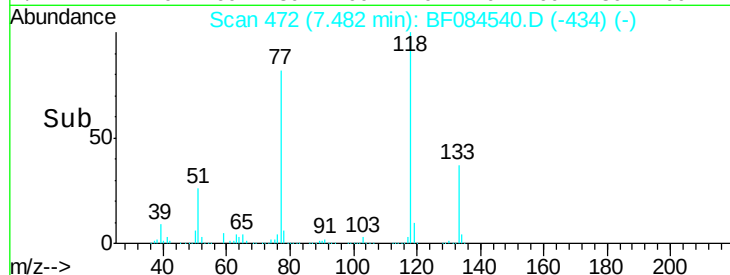
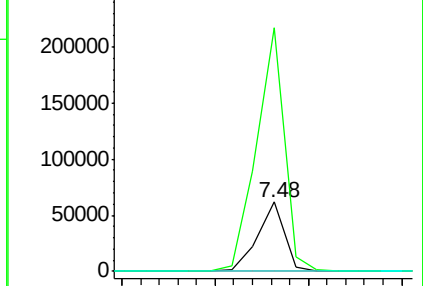
201 0.0 68.6 103.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.05 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Tgt Ion:136 Resp: 1139959

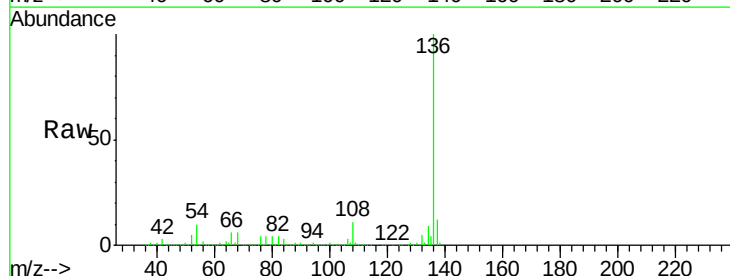
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 10.2 5.8 8.8#

68 6.0 4.2 6.2

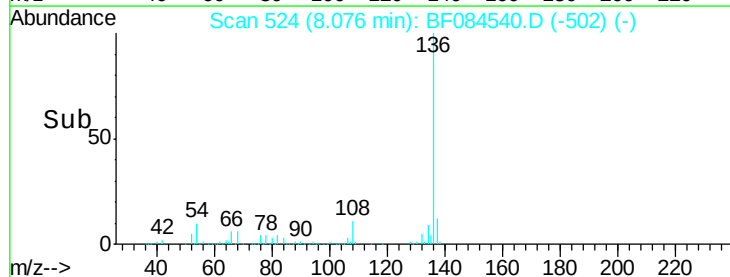
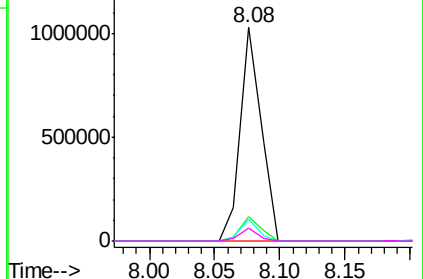


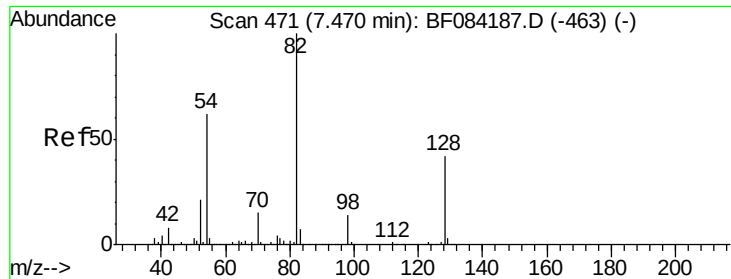
Abundance Ion 136.00 (135.70 to 136.70): E

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

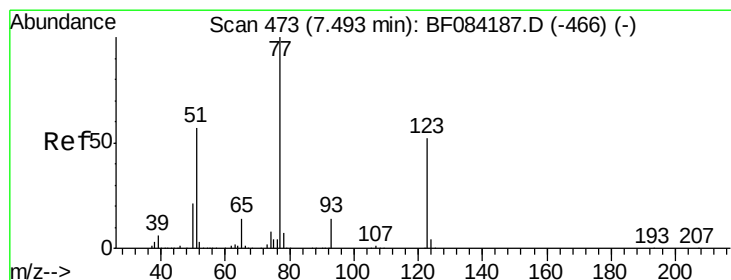
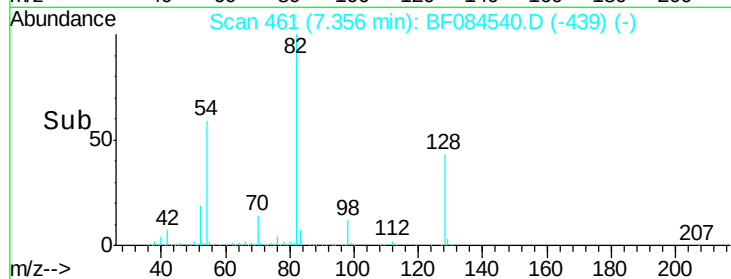
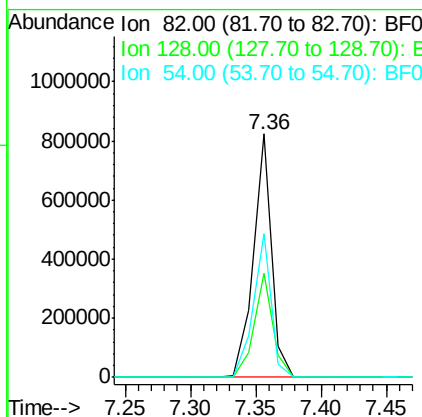
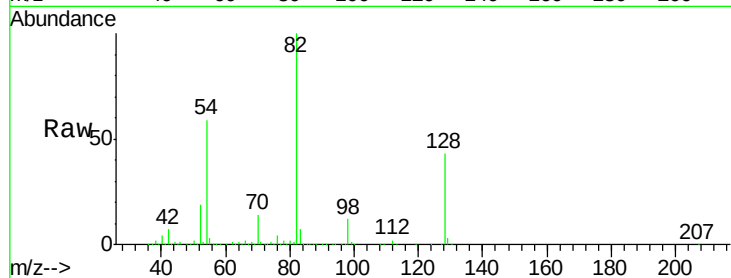




#23
 Nitrobenzene-d5
 Concen: 39.00 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.05 min
 Lab File: BF084540.D
 Acq: 18 Jan 2016 17:24

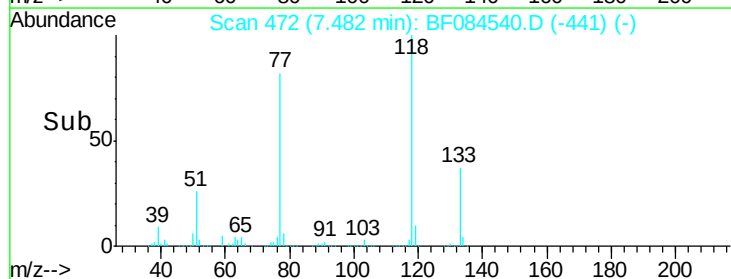
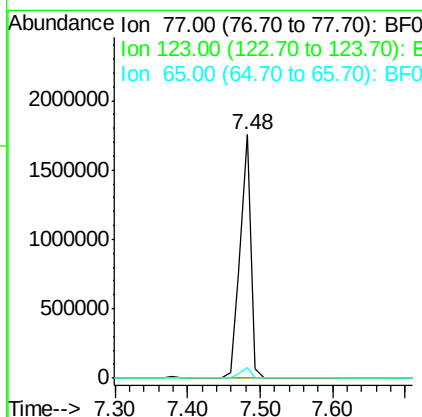
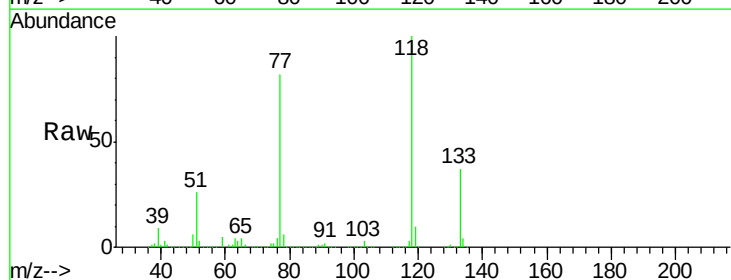
Instrument :
 BNA_F
 ClientSampleId :
 SYS-DIS-011416

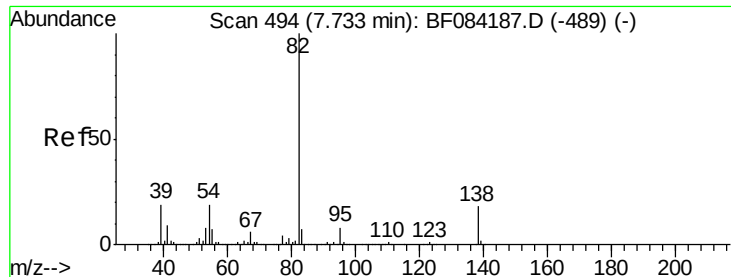
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	51.8
54	58.8	38.4	57.6



#24
 Nitrobenzene
 Concen: 86.95 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.06 min
 Lab File: BF084540.D
 Acq: 18 Jan 2016 17:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.4	56.2
65	4.3	10.9	16.3





#25

Isophorone

Concen: 16.26 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.31 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

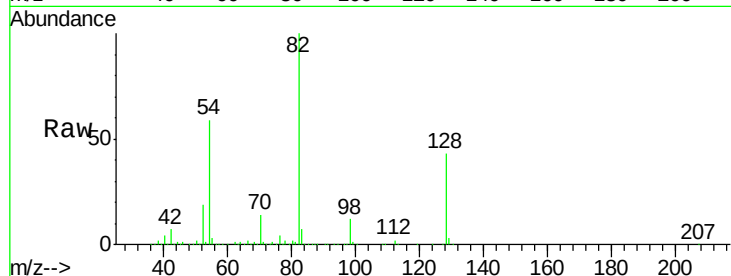
Tgt Ion: 82 Resp: 636788

Ion Ratio Lower Upper

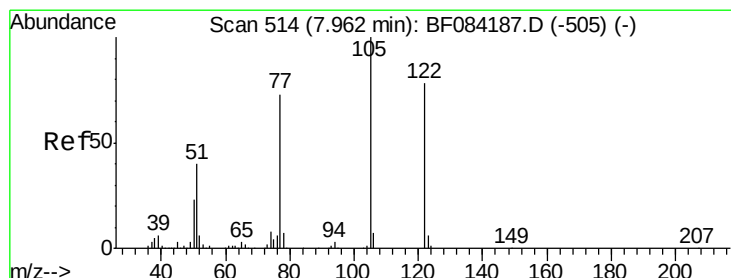
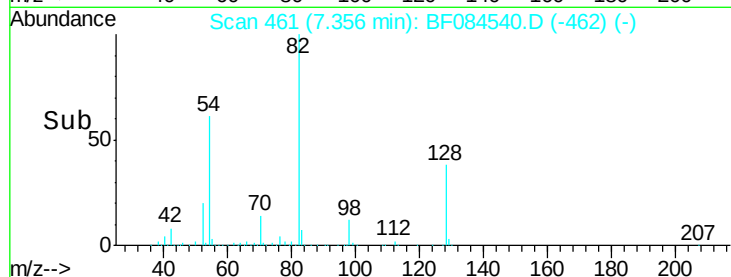
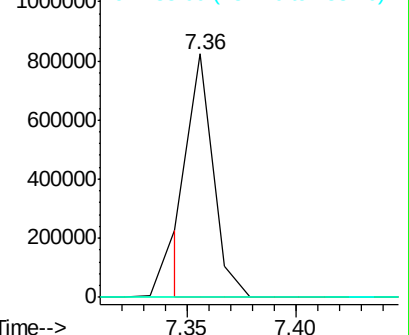
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



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



#32

Benzoic acid

Concen: 6.31 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.07 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

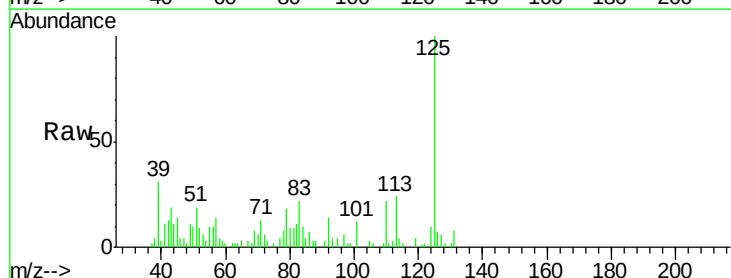
Tgt Ion: 122 Resp: 818

Ion Ratio Lower Upper

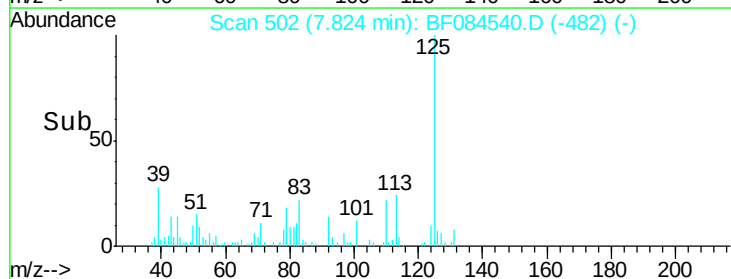
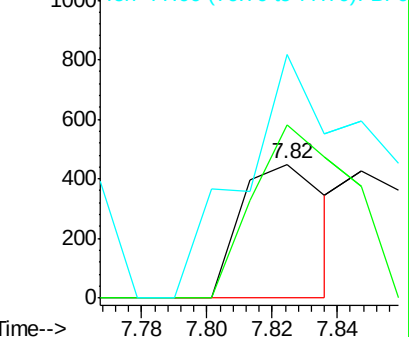
122 100

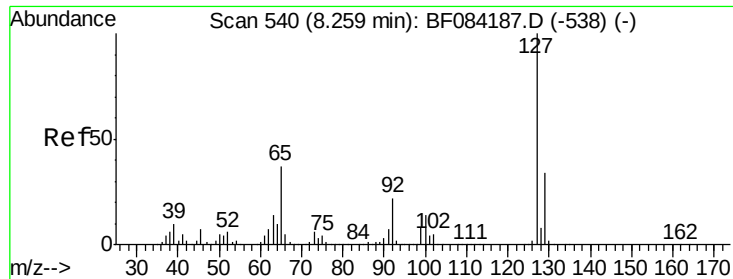
105 129.2 100.3 140.3

77 182.4 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

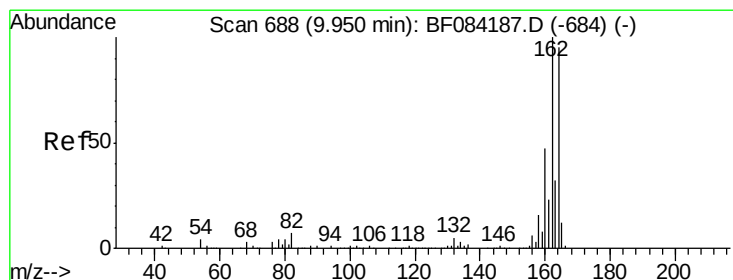
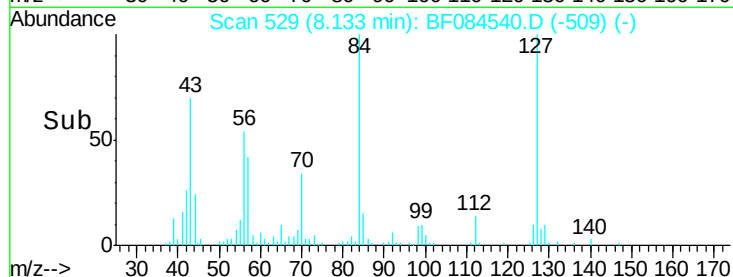
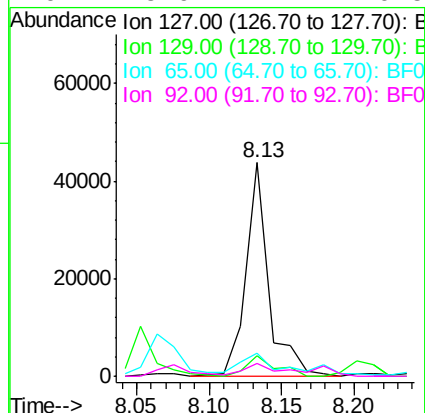
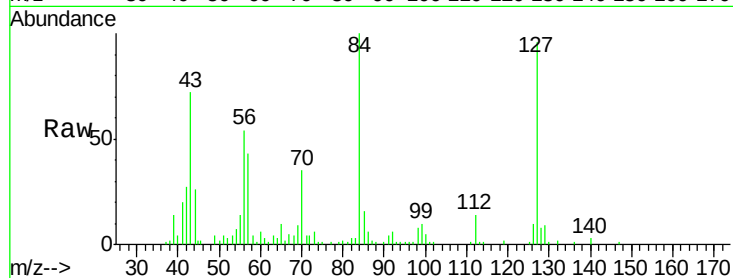




#33
4-Chloroaniline
Concen: 2.01 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.07 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

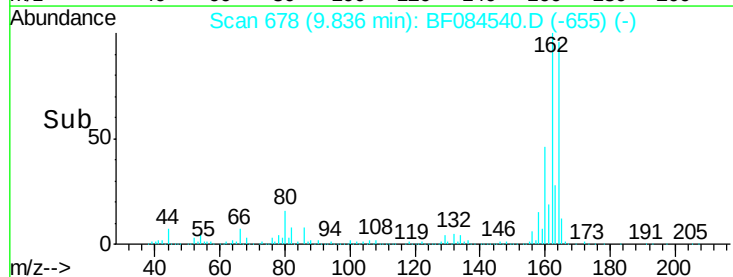
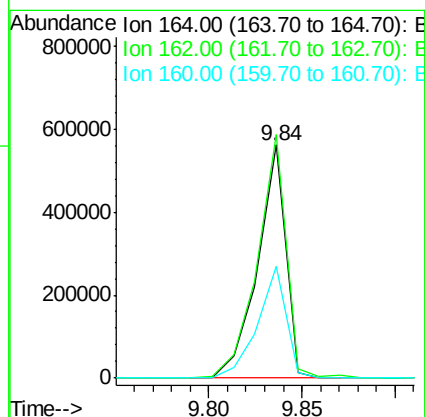
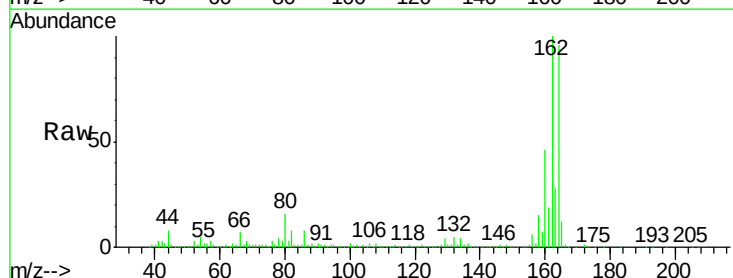
Instrument :
BNA_F
ClientSampleId :
SYS-DIS-011416

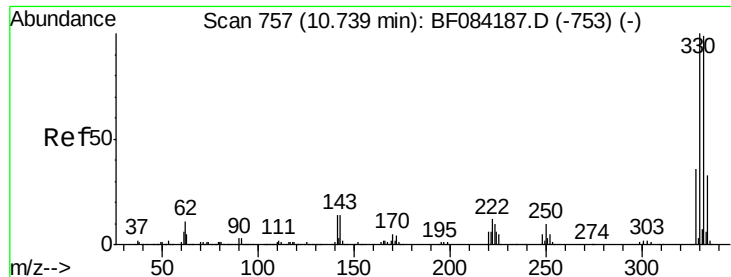
Tgt Ion:	127	Resp:	47759
Ion	Ratio	Lower	Upper
127	100		
129	9.8	26.5	39.7#
65	10.8	27.2	40.8#
92	5.9	17.7	26.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

Tgt Ion:	164	Resp:	582420
Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.1	127.7
160	48.0	37.5	56.3

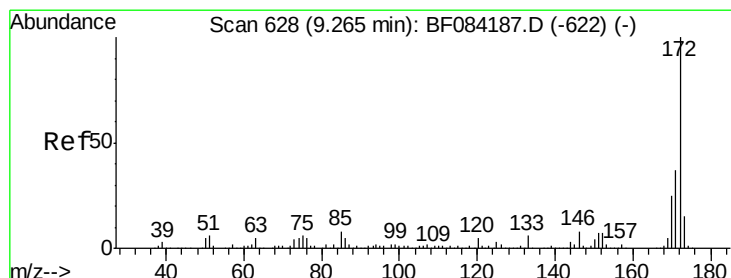
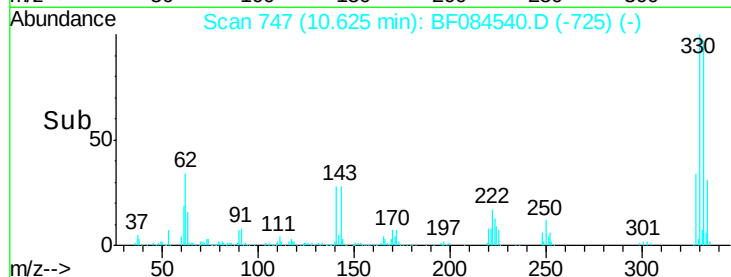
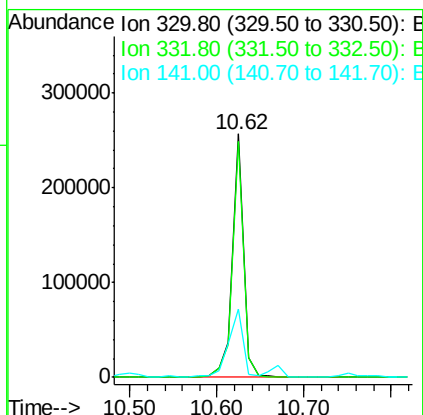
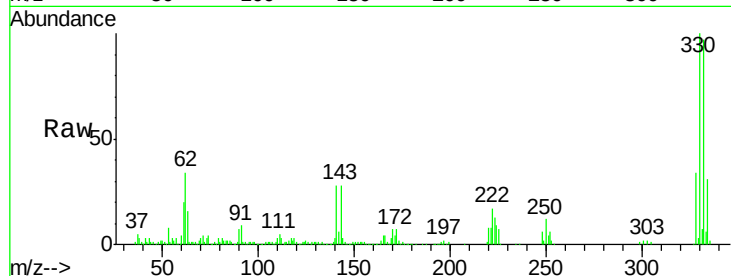




#41
 2,4,6-Tribromophenol
 Concen: 38.75 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084540.D
 Acq: 18 Jan 2016 17:24

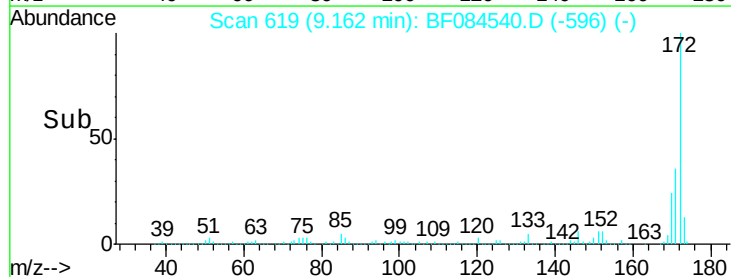
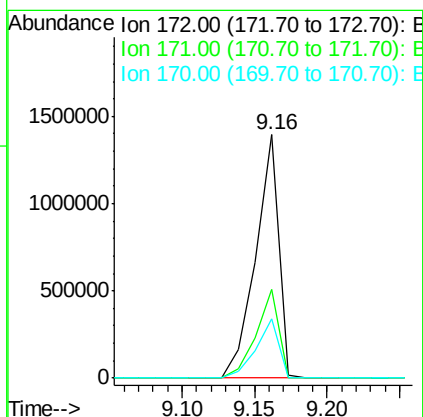
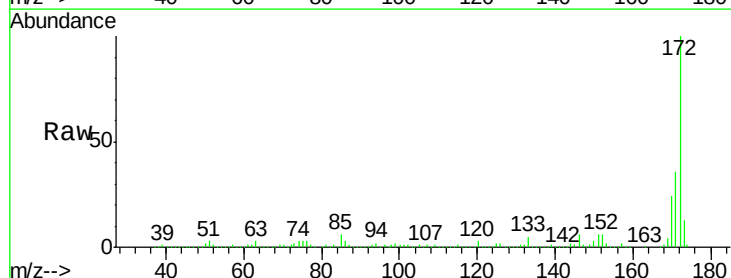
Instrument :
 BNA_F
 ClientSampleId :
 SYS-DIS-011416

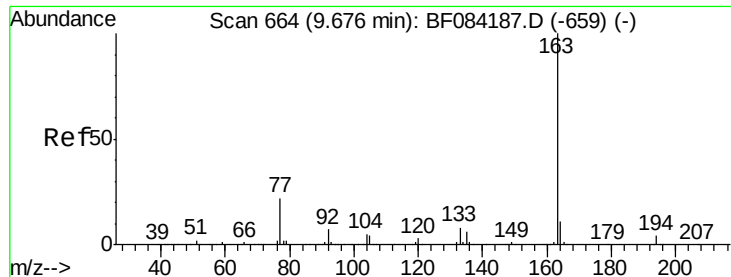
Tgt Ion:330 Resp: 227860
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 114.8
 141 35.7 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 43.30 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084540.D
 Acq: 18 Jan 2016 17:24

Tgt Ion:172 Resp: 1536314
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 24.4 18.6 27.8

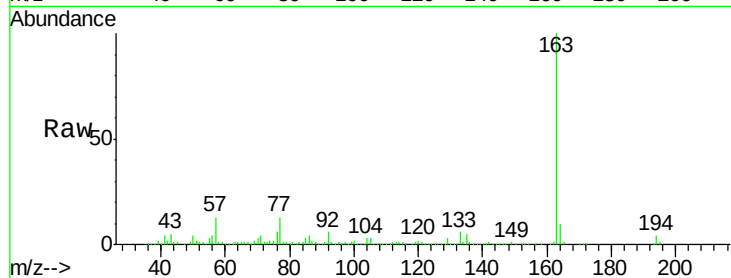




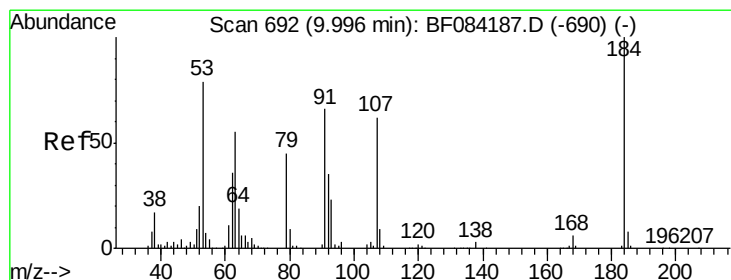
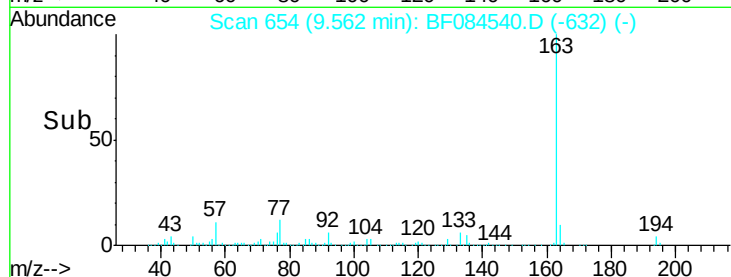
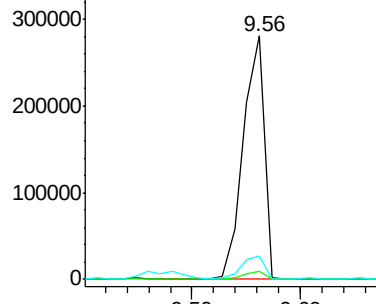
#49
Dimethylphthalate
Concen: 9.13 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.05 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

Instrument :
BNA_F
ClientSampleId :
SYS-DIS-011416

Tgt Ion:163 Resp: 380226
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 9.7 8.0 12.0

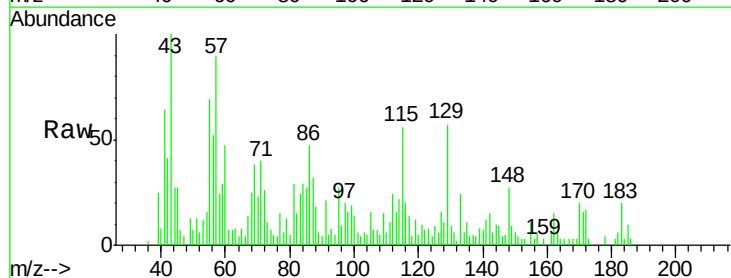


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

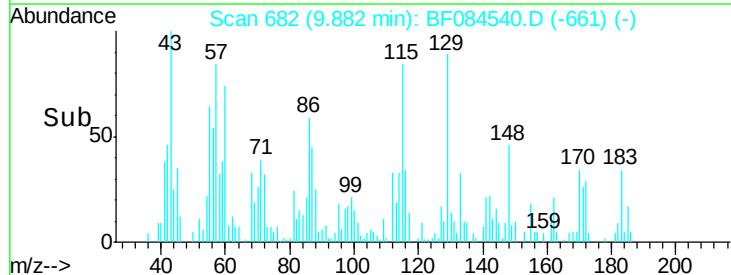
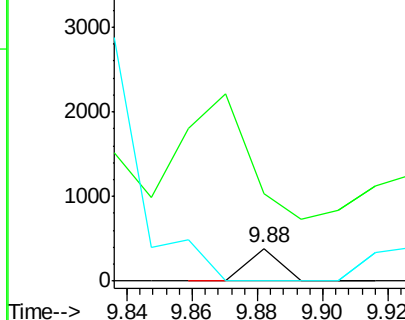


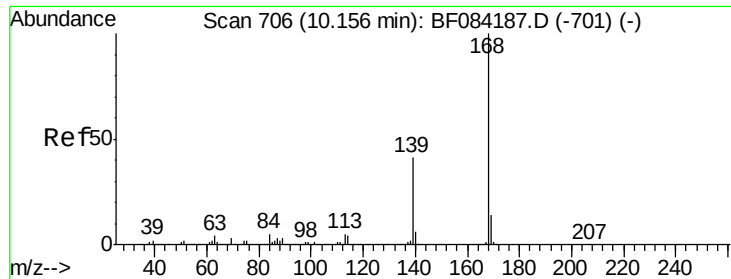
#53
2,4-Dinitrophenol
Concen: 3.62 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.06 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

Tgt Ion:184 Resp: 266
Ion Ratio Lower Upper
184 100
63 267.0 43.1 64.7#
154 0.0 60.5 90.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.03 min Scan# 695

Delta R.T. -0.05 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

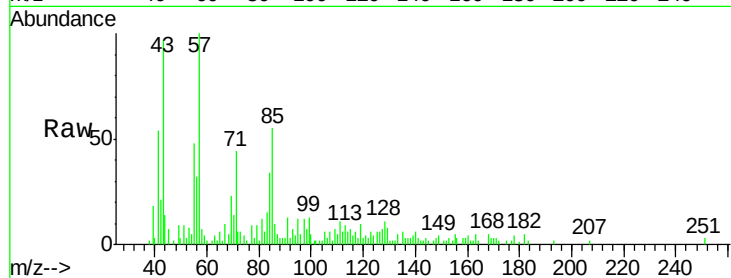
Tgt Ion:168 Resp: 2032

Ion Ratio Lower Upper

168 100

139 77.6 30.5 45.7#

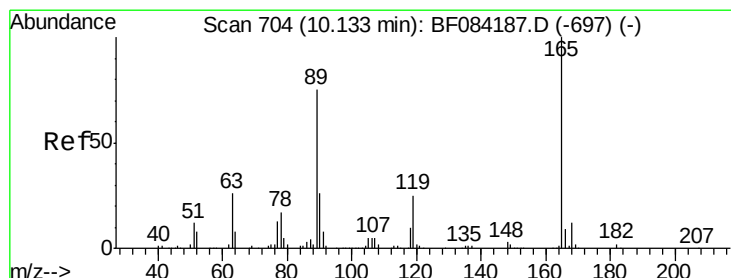
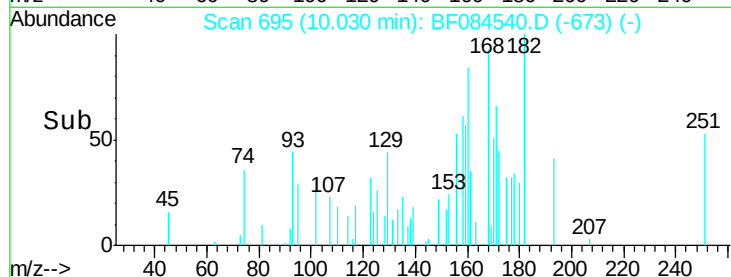
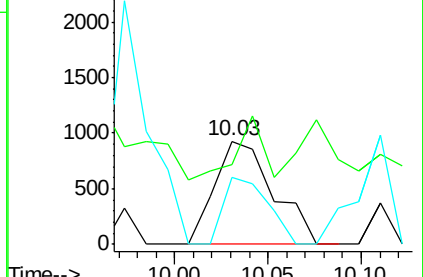
169 64.9 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 2.64 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.07 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Tgt Ion:165 Resp: 30476

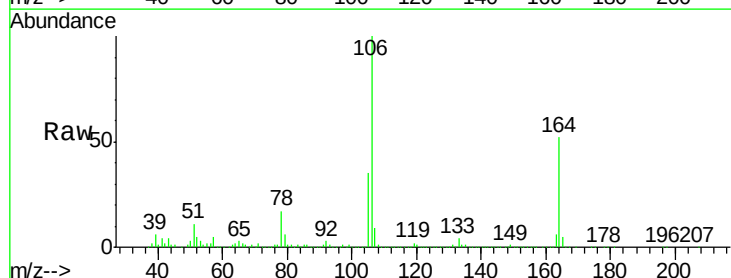
Ion Ratio Lower Upper

165 100

63 12.2 36.7 55.1#

89 3.3 61.9 92.9#

182 0.0 2.0 3.0#

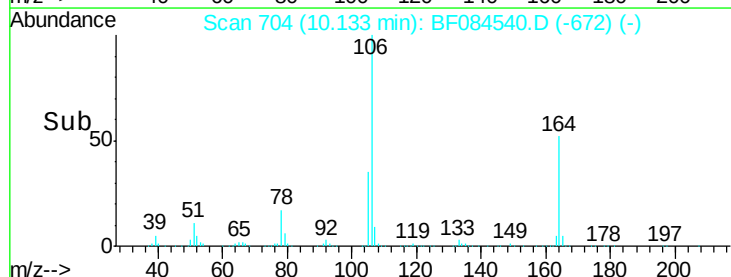
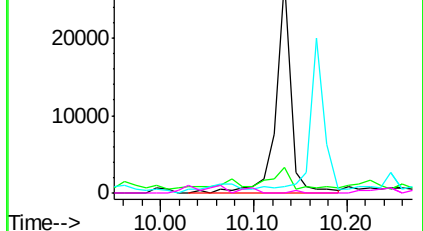


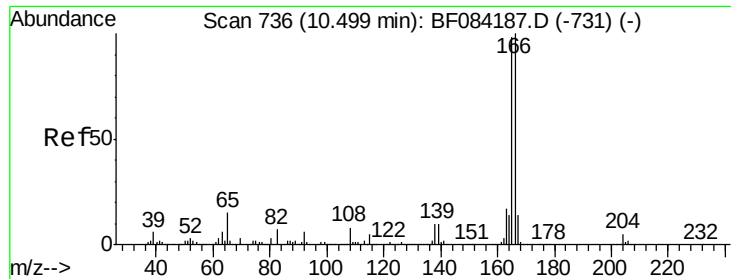
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.37 min Scan# 725

Delta R.T. -0.05 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

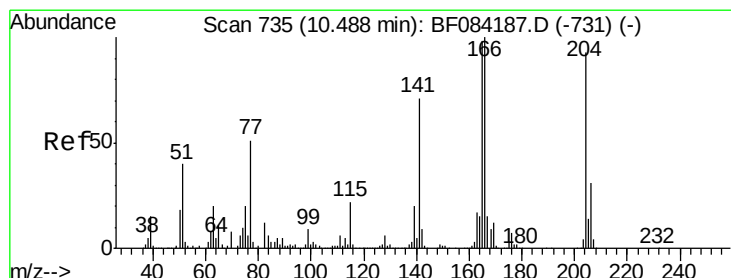
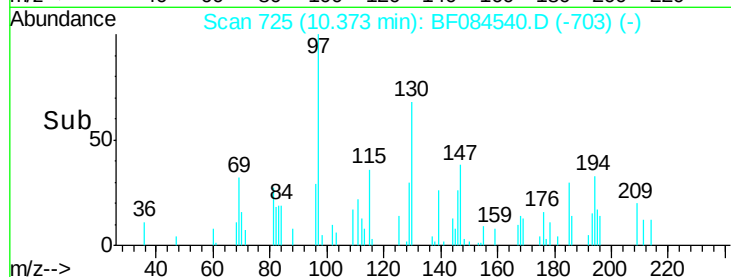
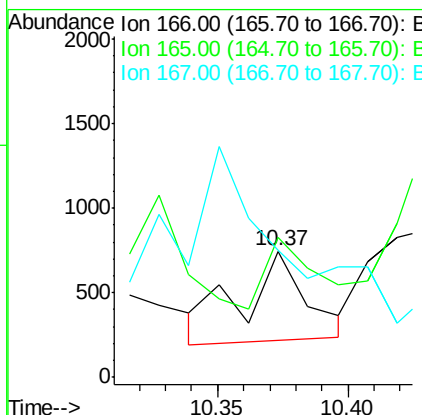
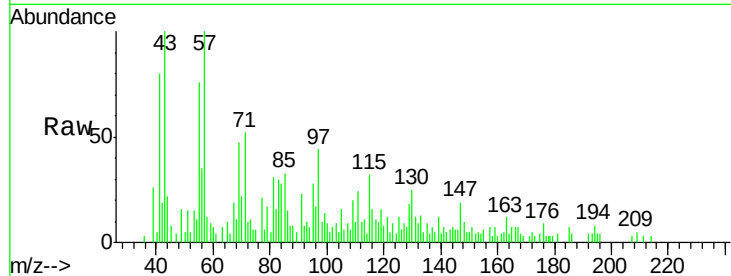
BNA_F

ClientSampleId :

SYS-DIS-011416

Tgt Ion:166 Resp: 904

Ion	Ratio	Lower	Upper
166	100		
165	110.4	79.1	118.7
167	101.1	10.4	15.6#



#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.54 min Scan# 740

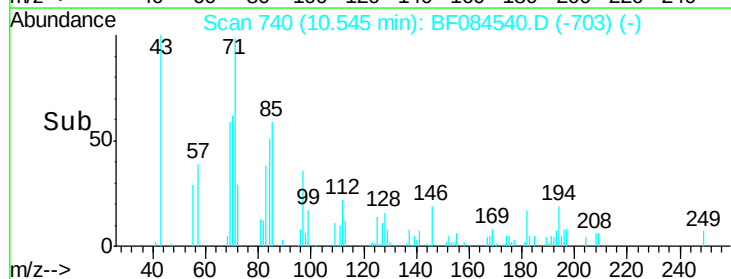
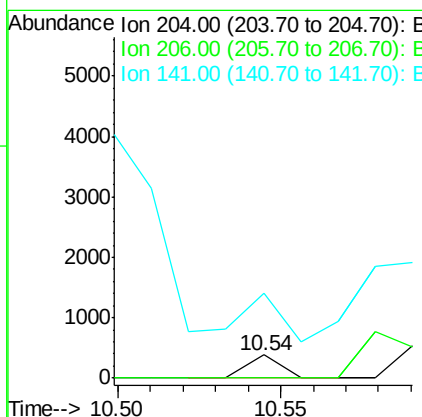
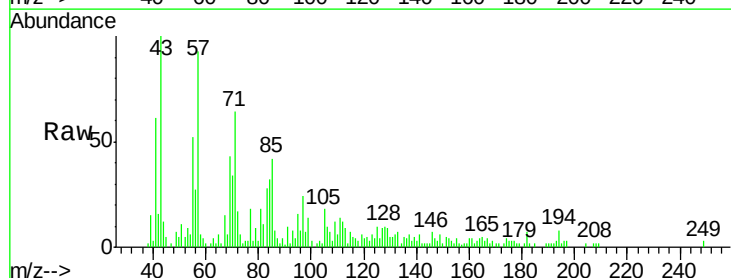
Delta R.T. 0.13 min

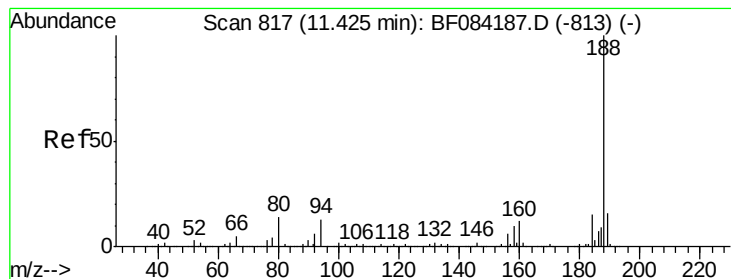
Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Tgt Ion:204 Resp: 260

Ion	Ratio	Lower	Upper
204	100		
206	0.0	25.7	38.5#
141	371.2	55.1	82.7#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

Instrument :

BNA_F

ClientSampleId :

SYS-DIS-011416

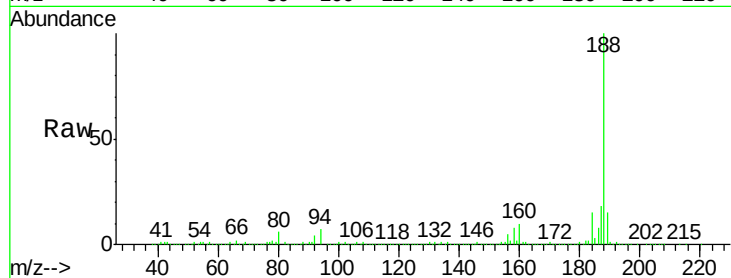
Tgt Ion:188 Resp: 1041258

Ion Ratio Lower Upper

188 100

94 6.7 9.0 13.4#

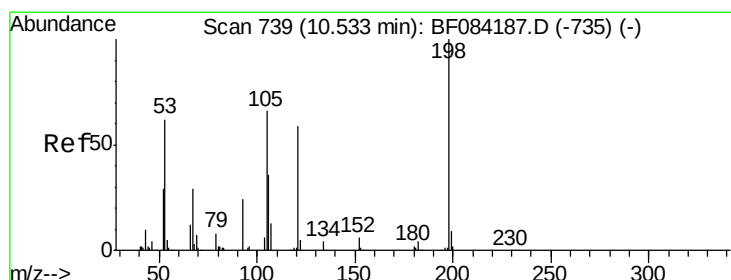
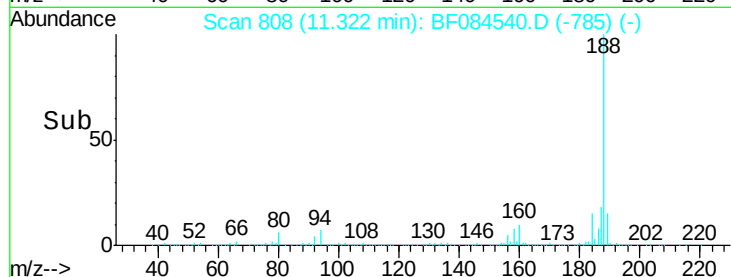
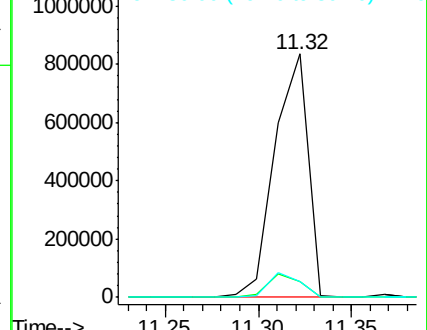
80 6.5 9.6 14.4#



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: 6.85 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.19 min

Lab File: BF084540.D

Acq: 18 Jan 2016 17:24

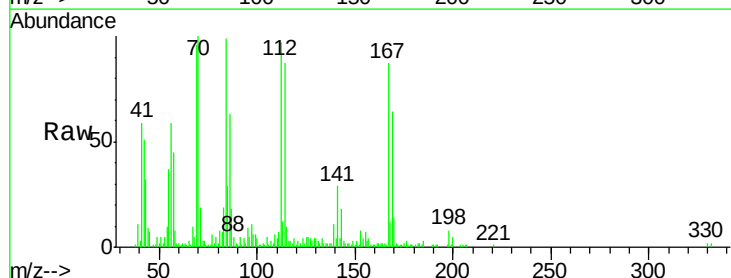
Tgt Ion:198 Resp: 3710

Ion Ratio Lower Upper

198 100

51 61.0 18.9 58.9#

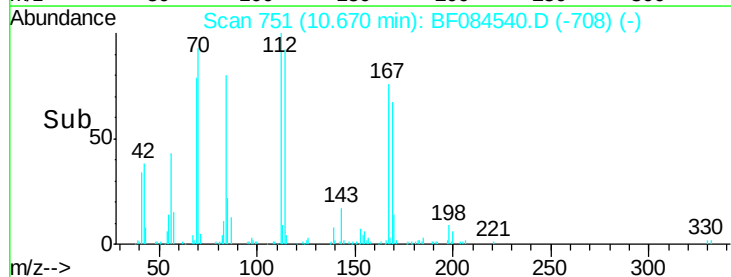
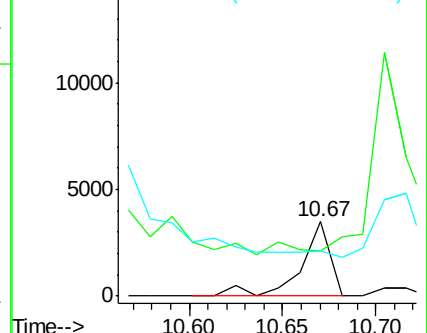
105 60.6 26.4 66.4

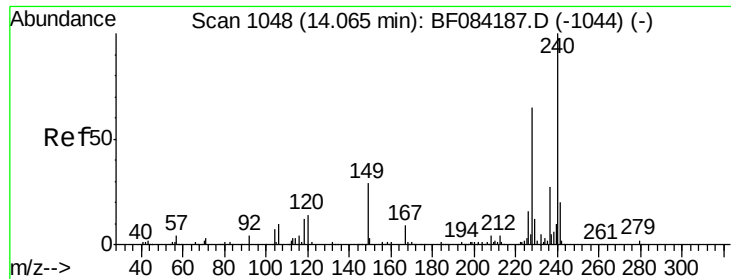


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

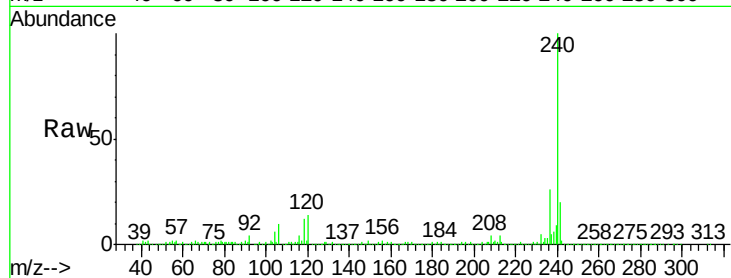




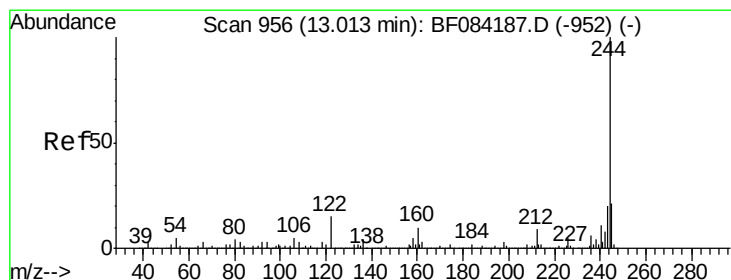
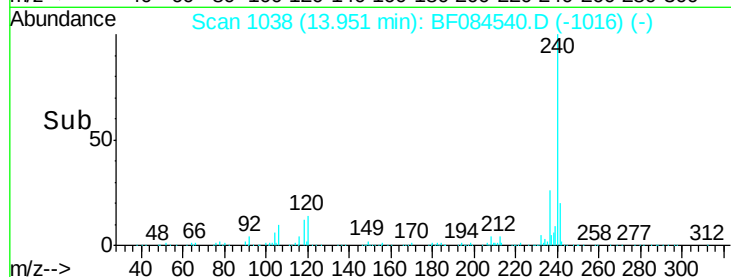
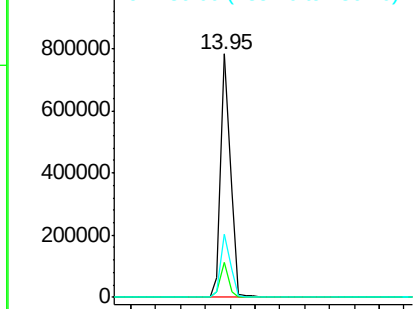
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.05 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

Instrument :
BNA_F
ClientSampleId :
SYS-DIS-011416

Tgt Ion:240 Resp: 829356
Ion Ratio Lower Upper
240 100
120 14.4 9.5 14.3#
236 25.9 20.6 31.0

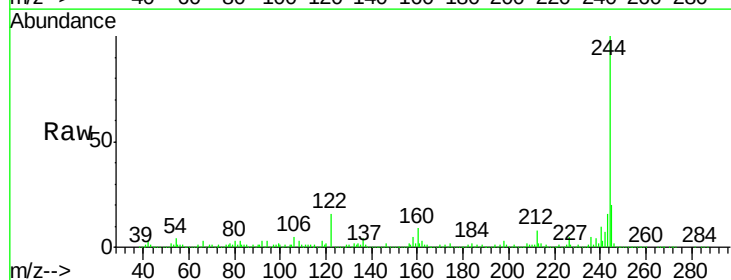


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

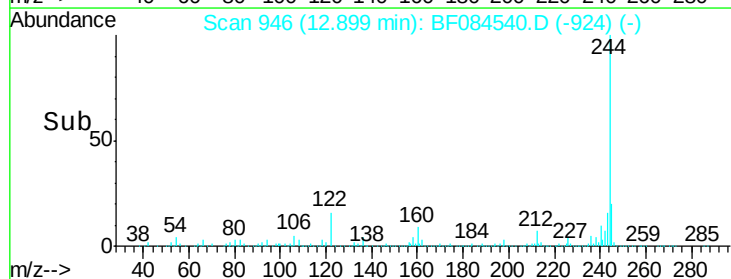
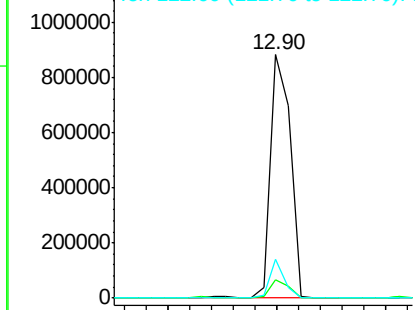


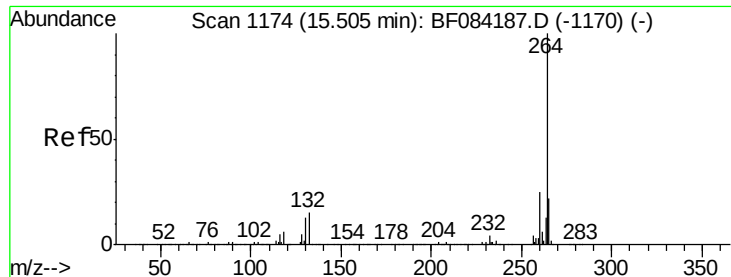
#78
Terphenyl-d14
Concen: 30.10 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.05 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

Tgt Ion:244 Resp: 1118471
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 15.8 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





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF084540.D
Acq: 18 Jan 2016 17:24

Instrument :
BNA_F
ClientSampleId :
SYS-DIS-011416

Tgt Ion: 264 Resp: 648835
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 22.0 17.8 26.6

