

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084336.D
 Acq On : 8 Jan 2016 19:06
 Operator : SJ/UM
 Sample : H1011-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-21

Quant Time: Jan 08 22:19:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

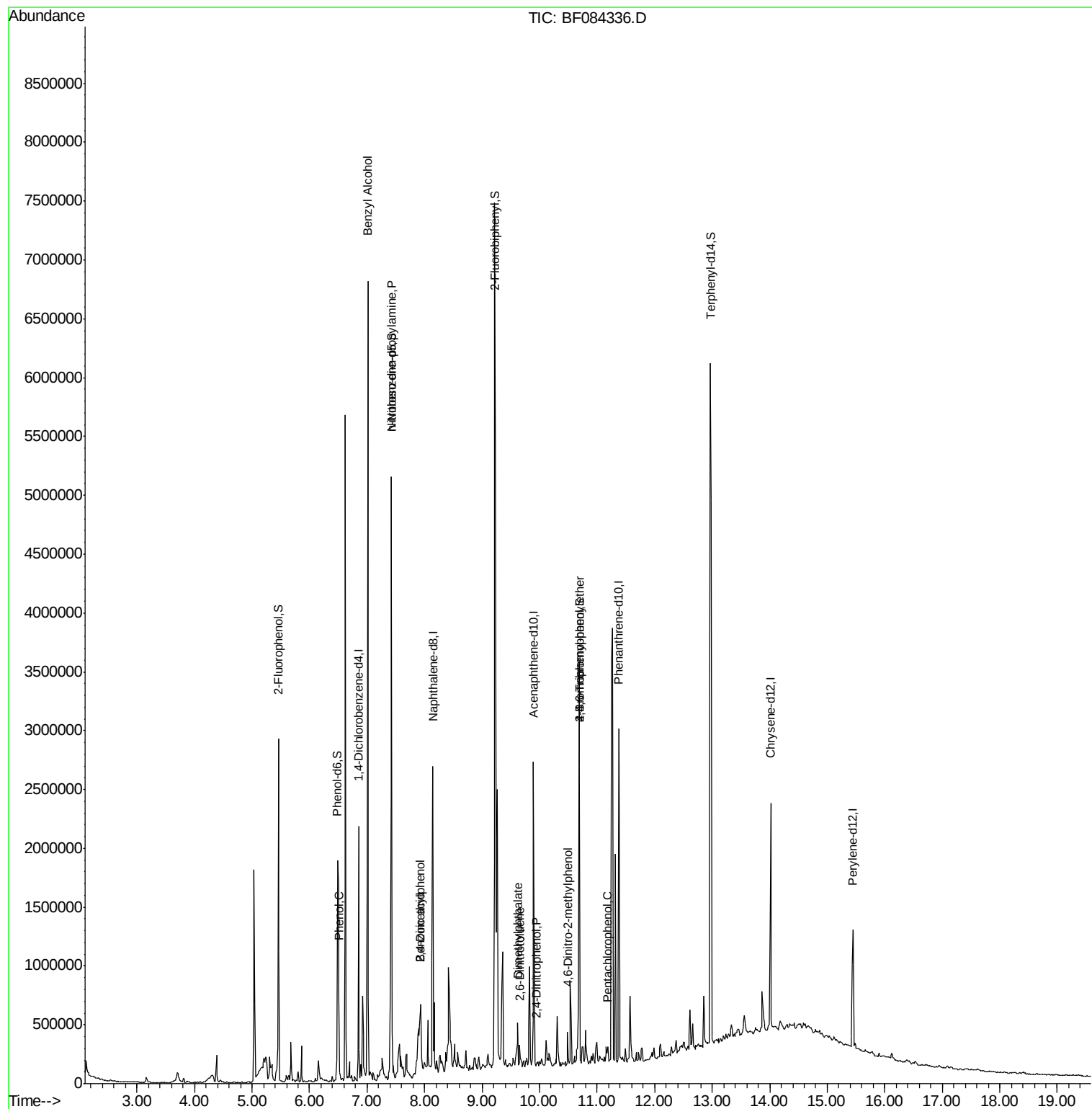
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	283880	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1244823	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	530517	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	960520	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	750904	20.00	ng	-0.05
86) Perylene-d12	15.45	264	519552	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	820321	46.74	ng	-0.03
7) Phenol-d6	6.49	99	681204	30.90	ng	-0.05
23) Nitrobenzene-d5	7.42	82	1843401	82.42	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	588155	109.81	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	3145867	105.87	ng	-0.05
78) Terphenyl-d14	12.97	244	2612382	77.66	ng	-0.05
Target Compounds						
10) Phenol	6.51	94	300969	12.01	ng	# 75
15) Benzyl Alcohol	7.01	79	44198	2.38	ng	# 47
19) n-Nitroso-di-n-propylamine	7.42	70	268304	17.98	ng	# 70
27) 2,4-Dimethylphenol	7.93	122	312047	14.93	ng	# 6
32) Benzoic acid	7.93	122	314009	26.56	ng	96
49) Dimethylphthalate	9.62	163	152565	4.02	ng	# 91
50) 2,6-Dinitrotoluene	9.65	165	18373	2.21	ng	# 49
53) 2,4-Dinitrophenol	9.95	184	793	3.77	ng	# 57
54) Dibenzofuran	10.10	168	3861	Below Cal		# 64
57) Fluorene	10.44	166	5432	Below Cal		# 79
64) 4,6-Dinitro-2-methylphenol	10.49	198	207	6.45	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	35856	3.47	ng	# 1
69) Pentachlorophenol	11.18	266	13013	2.16	ng	95
73) Di-n-butylphthalate	11.95	149	21222	Below Cal		# 94

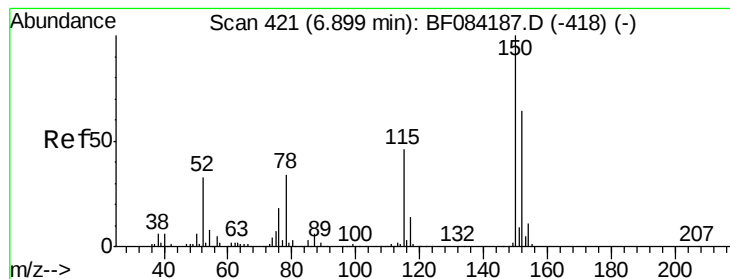
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



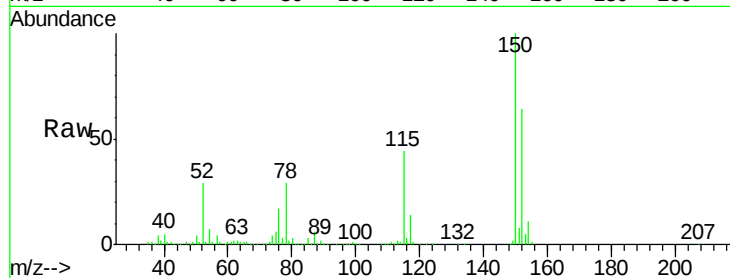


#1

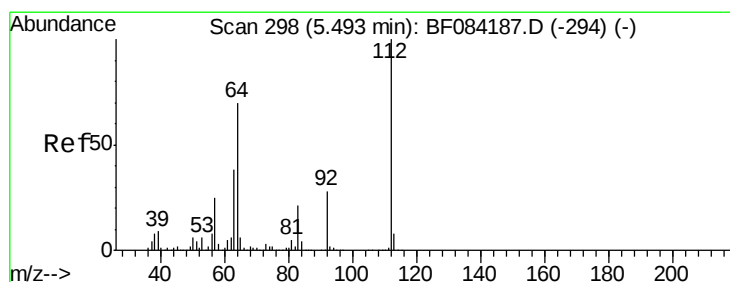
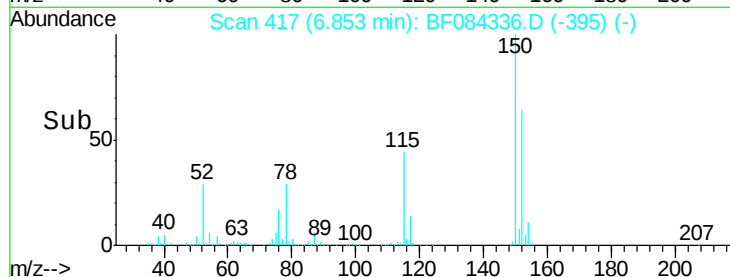
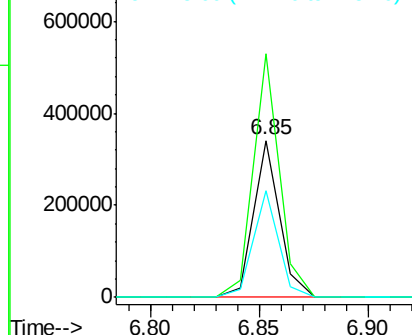
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Instrument :
BNA_F
ClientSampleId :
TEC-21

Tgt Ion:152 Resp: 283880
Ion Ratio Lower Upper
152 100
150 155.2 123.0 184.4
115 68.3 51.4 77.2



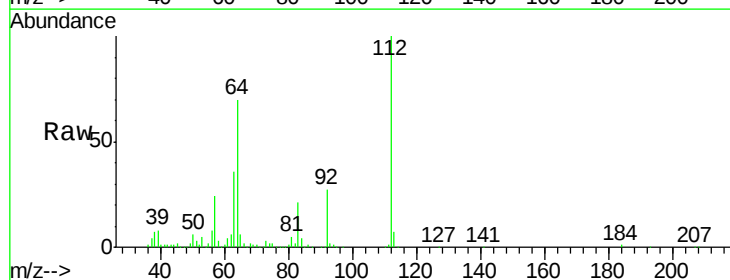
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



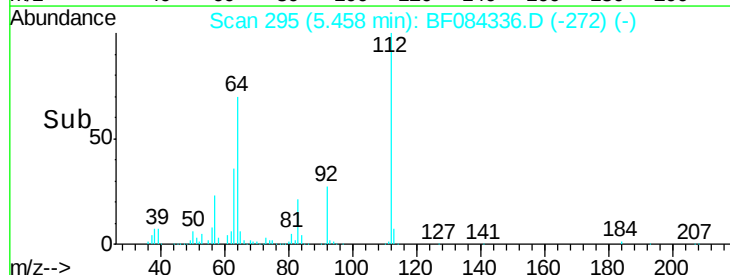
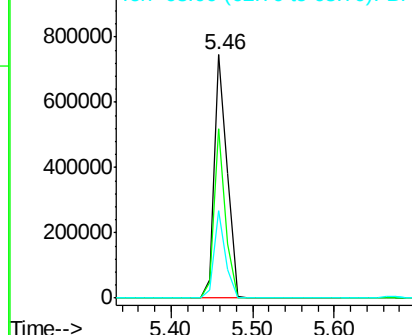
#5

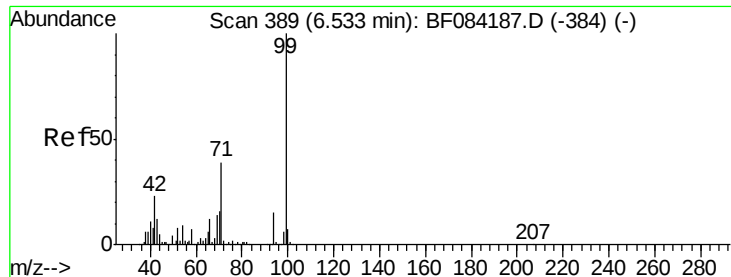
2-Fluorophenol
Concen: 46.74 ng
RT: 5.46 min Scan# 295
Delta R.T. -0.03 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Tgt Ion:112 Resp: 820321
Ion Ratio Lower Upper
112 100
64 69.8 36.6 55.0#
63 36.0 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





#7

Phenol-d6

Concen: 30.90 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.05 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Instrument :

BNA_F

ClientSampleId :

TEC-21

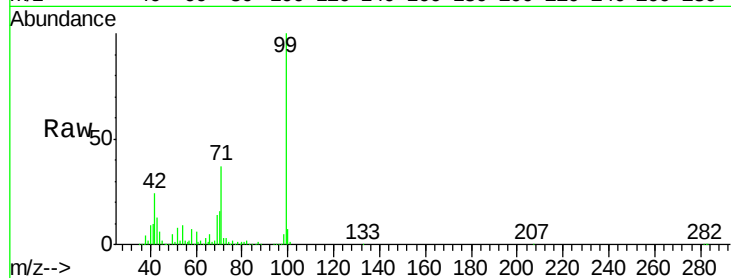
Tgt Ion: 99 Resp: 681204

Ion Ratio Lower Upper

99 100

42 23.8 12.8 19.2#

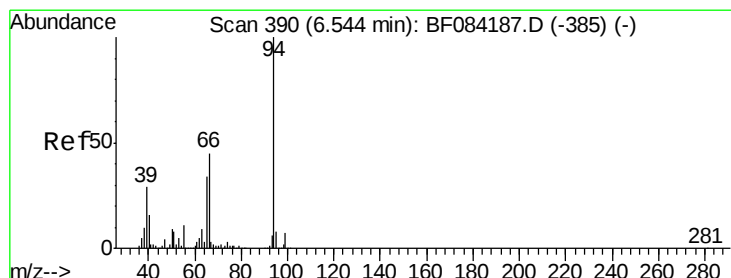
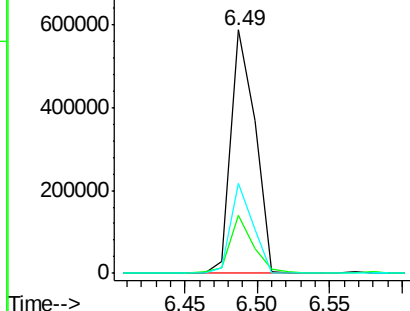
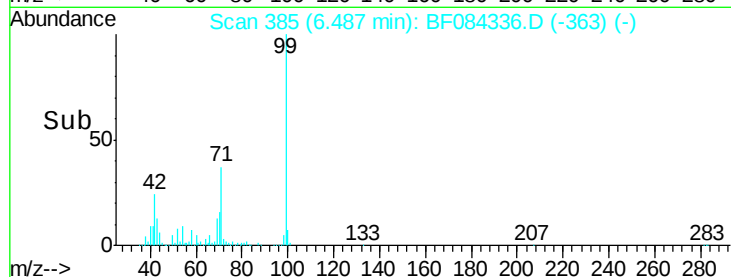
71 37.2 30.9 46.3



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: 12.01 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.03 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

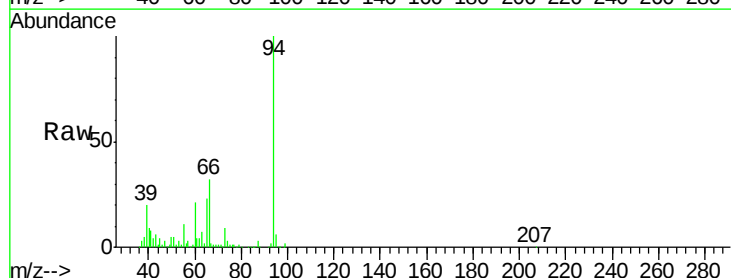
Tgt Ion: 94 Resp: 300969

Ion Ratio Lower Upper

94 100

65 23.3 12.9 52.9

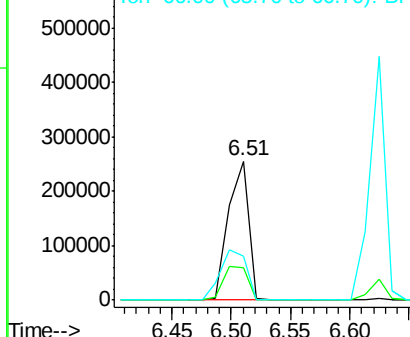
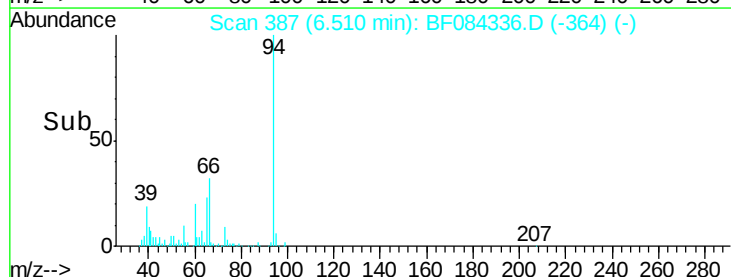
66 31.8 32.7 72.7#

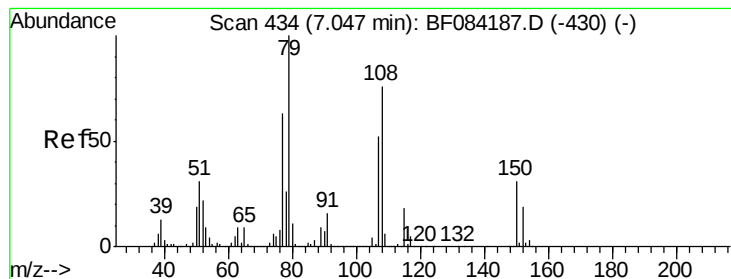


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Instrument :

BNA_F

ClientSampled :

TEC-21

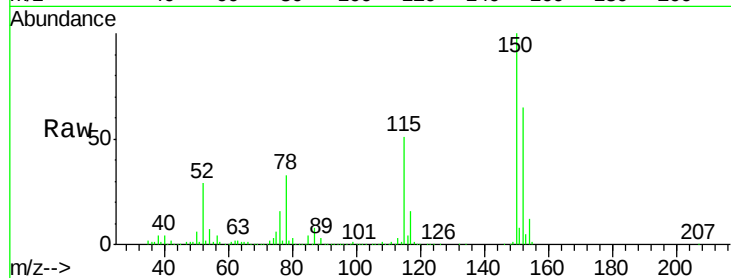
Tgt Ion: 79 Resp: 44198

Ion Ratio Lower Upper

79 100

108 30.8 69.0 103.4#

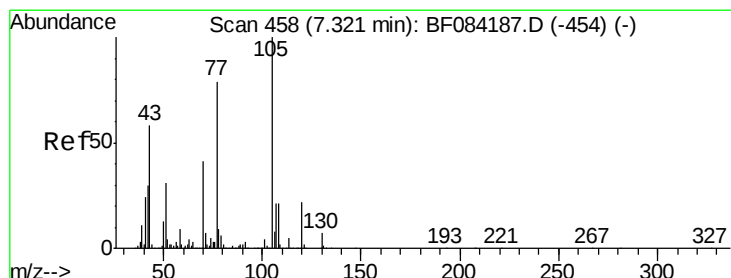
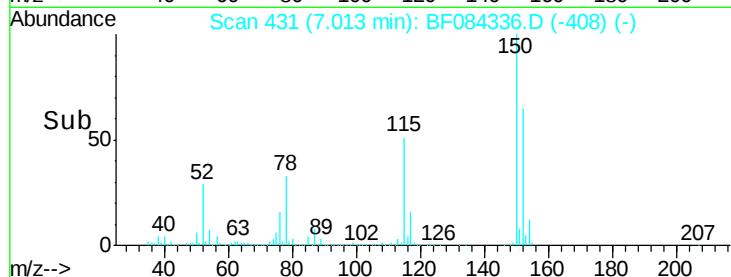
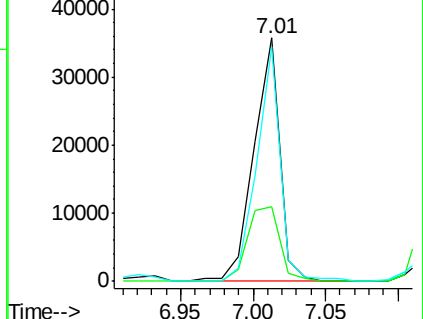
77 96.6 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.98 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Tgt Ion: 70 Resp: 268304

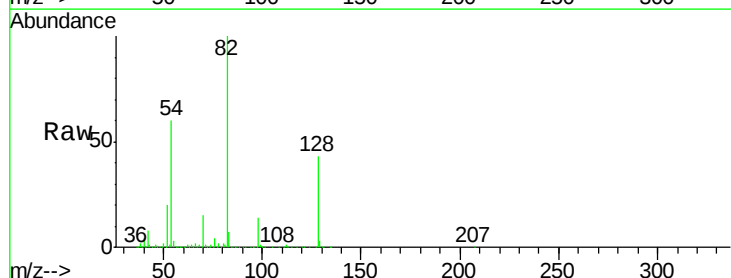
Ion Ratio Lower Upper

70 100

42 52.0 33.3 49.9#

101 0.1 9.3 13.9#

130 2.2 23.4 35.0#

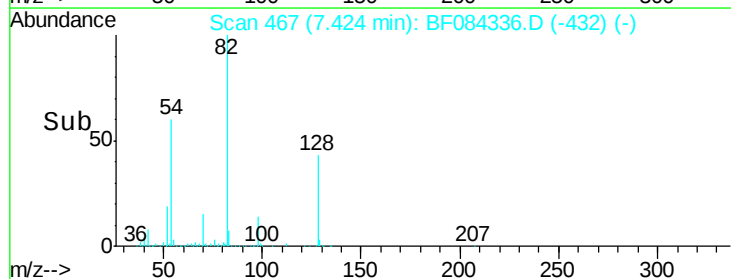
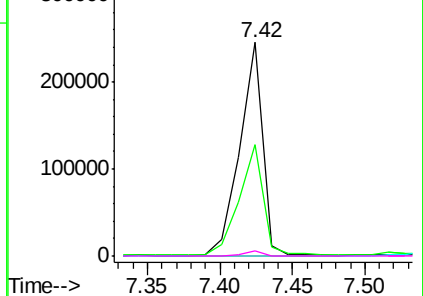


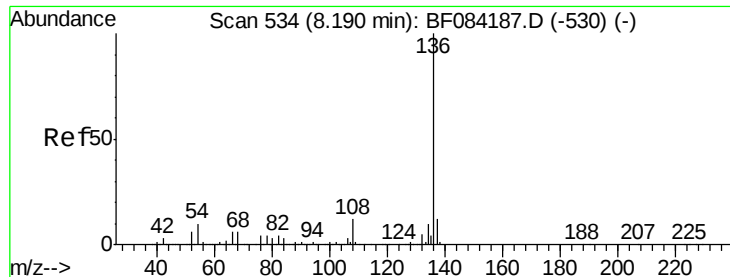
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

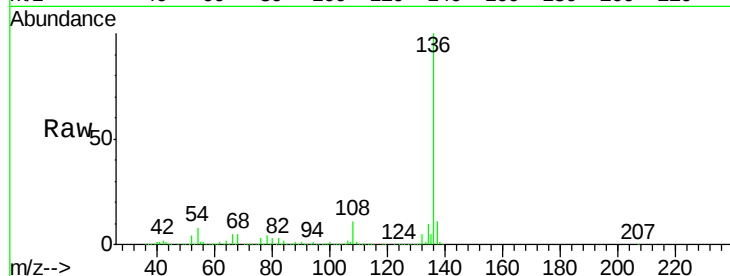




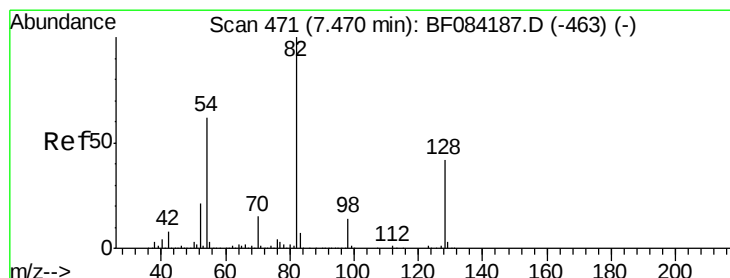
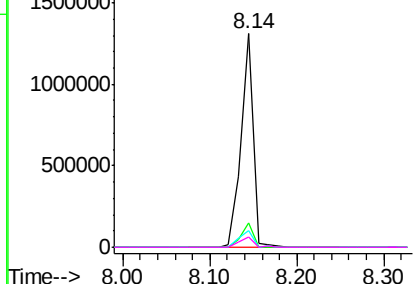
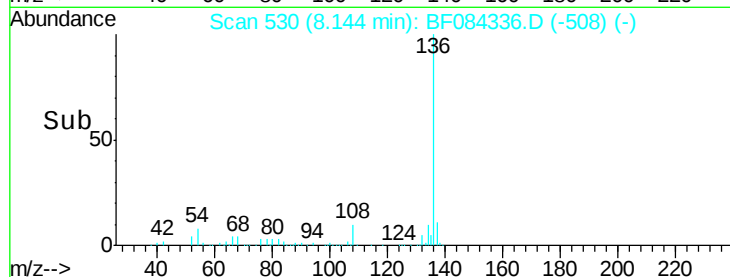
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Instrument :
BNA_F
ClientSampleId :
TEC-21

Tgt Ion:136 Resp: 1244823
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.7 5.8 8.8
68 4.5 4.2 6.2

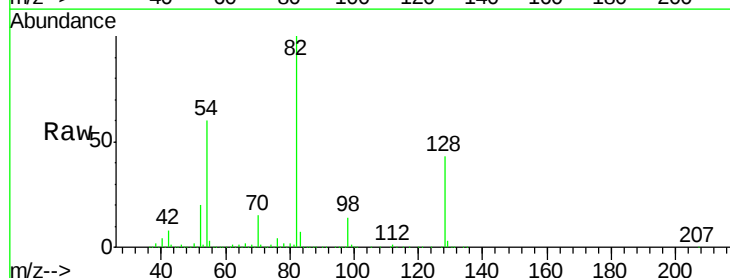


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

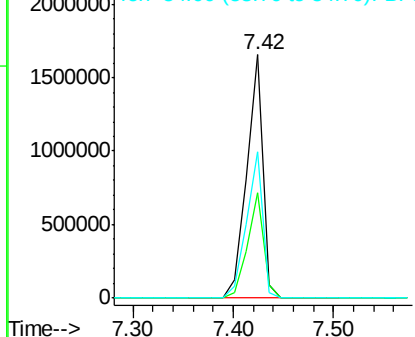
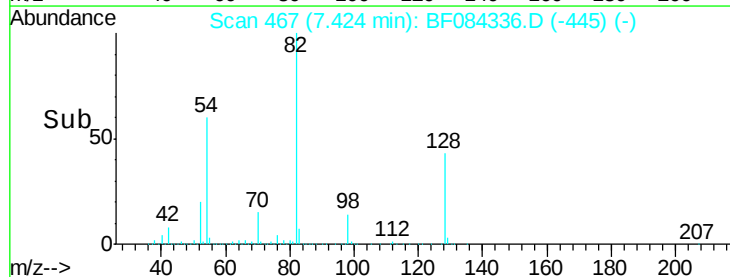


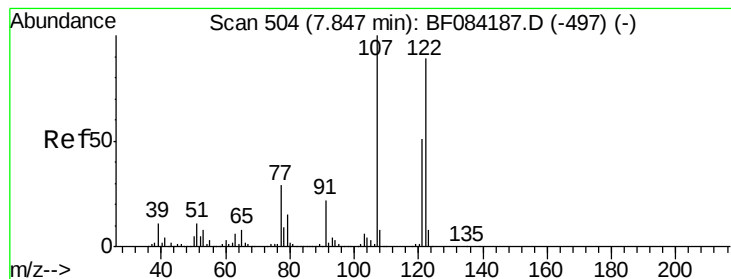
#23
Nitrobenzene-d5
Concen: 82.42 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Tgt Ion: 82 Resp: 1843401
Ion Ratio Lower Upper
82 100
128 43.1 34.6 51.8
54 60.1 38.4 57.6#



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





#27

2,4-Dimethylphenol

Concen: 14.93 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.08 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Instrument :

BNA_F

ClientSampleId :

TEC-21

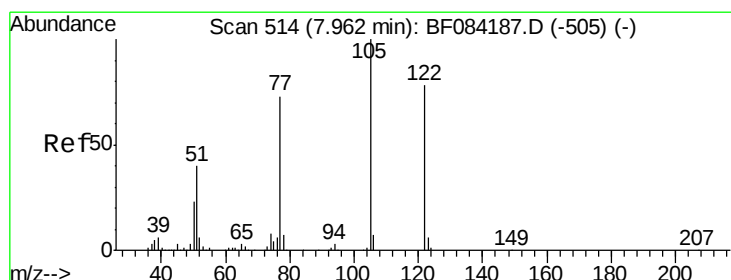
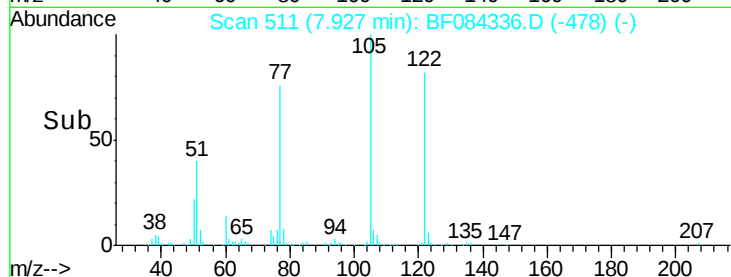
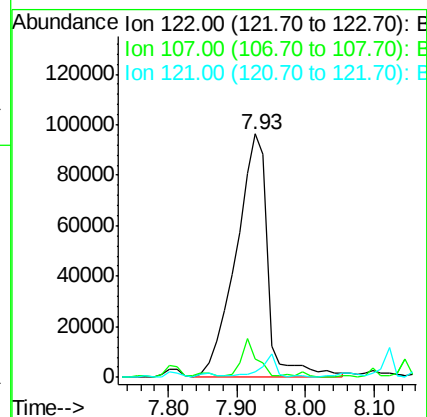
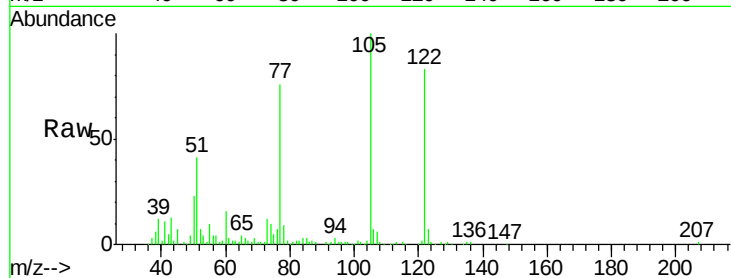
Tgt Ion:122 Resp: 312047

Ion Ratio Lower Upper

122 100

107 7.3 99.1 148.7#

121 2.2 47.9 71.9#



#32

Benzoic acid

Concen: 26.56 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.03 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

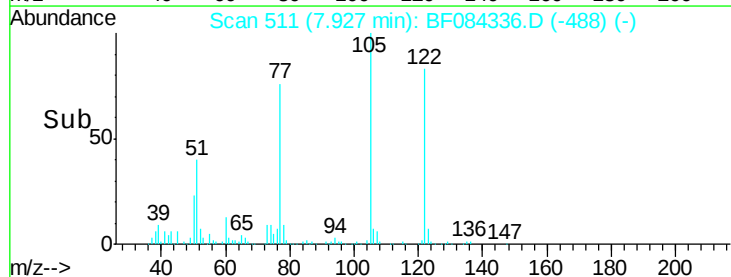
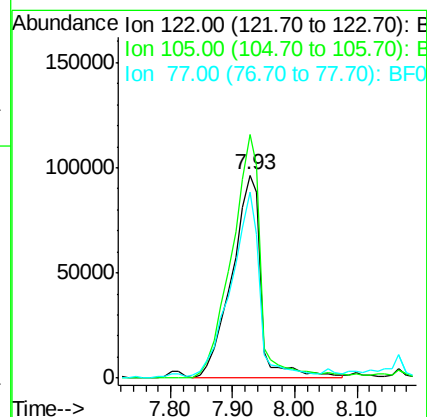
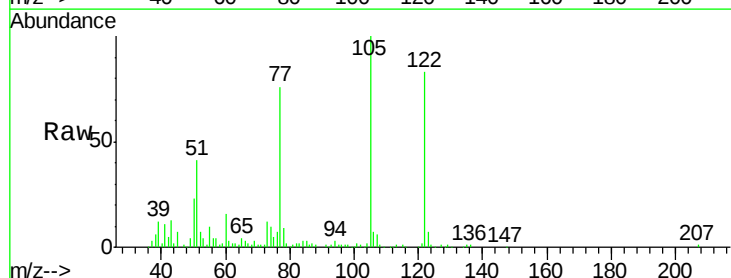
Tgt Ion:122 Resp: 314009

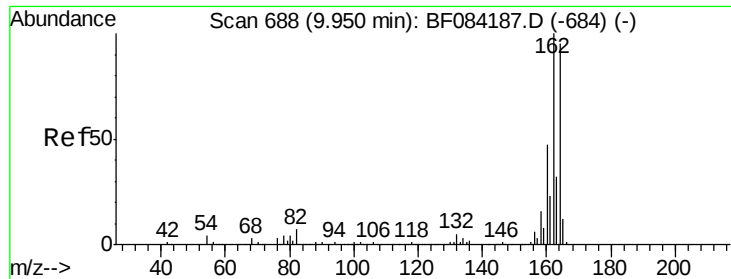
Ion Ratio Lower Upper

122 100

105 120.1 100.3 140.3

77 91.7 63.5 103.5

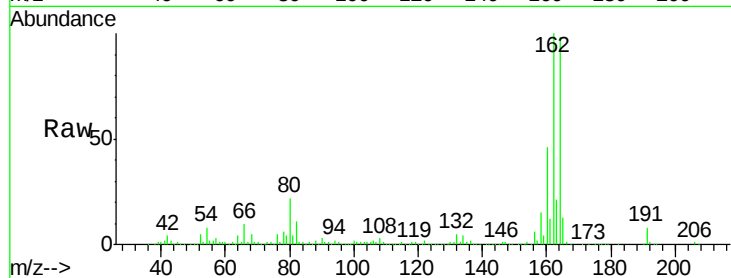




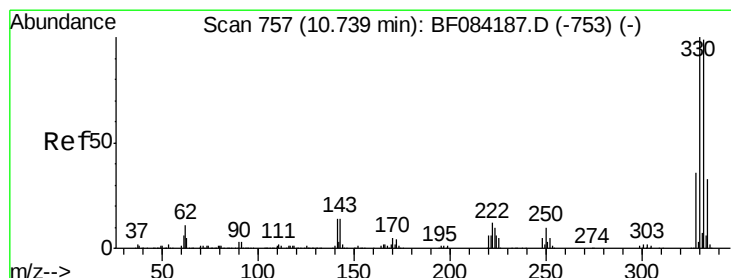
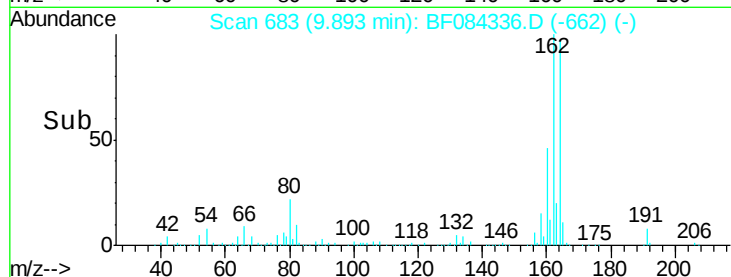
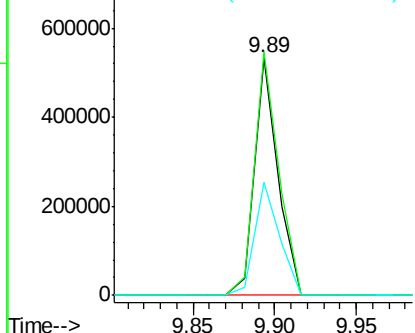
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Instrument :
BNA_F
ClientSampleId :
TEC-21

Tgt Ion:164 Resp: 530517
Ion Ratio Lower Upper
164 100
162 102.5 85.1 127.7
160 47.6 37.5 56.3

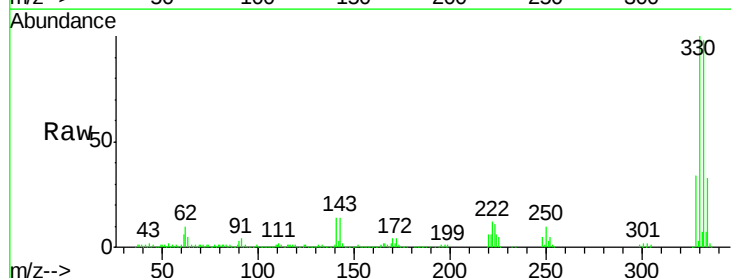


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

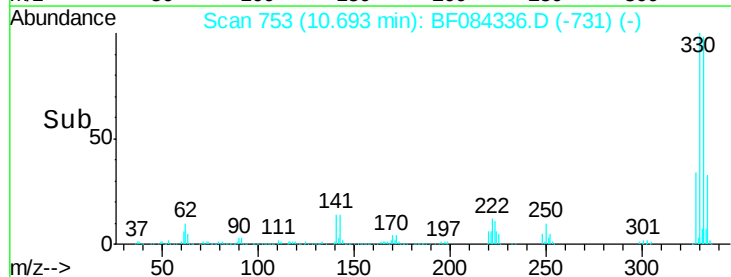
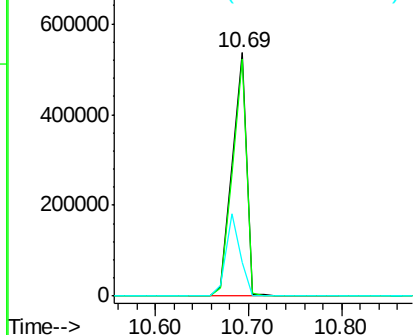


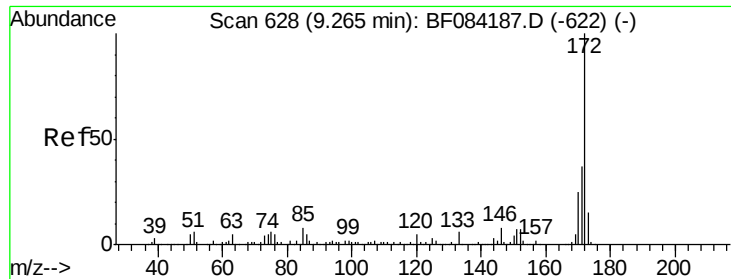
#41
2,4,6-Tribromophenol
Concen: 109.81 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Tgt Ion:330 Resp: 588155
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 32.9 27.8 41.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 105.87 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.05 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Instrument :

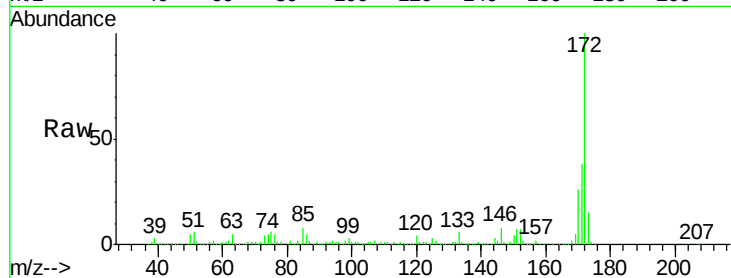
BNA_F

ClientSampleId :

TEC-21

Tgt Ion:172 Resp: 3145867

Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.9	43.3
170	25.8	18.6	27.8

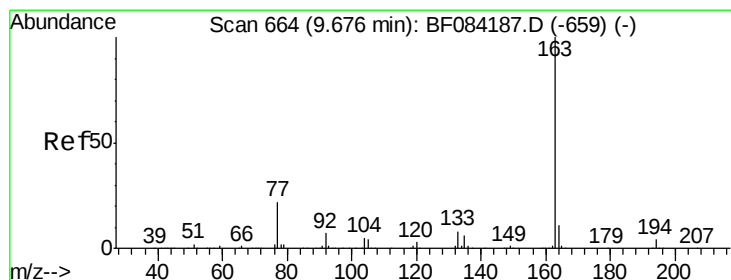
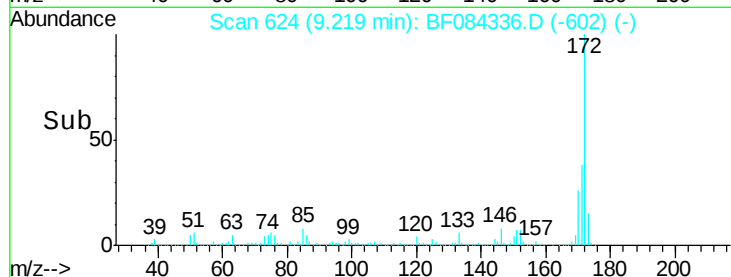
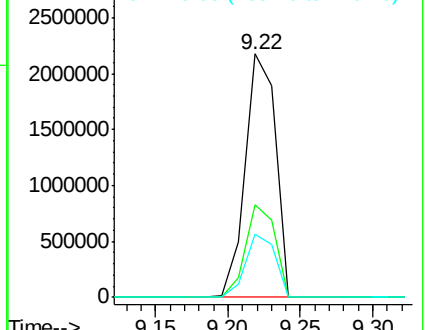


Abundance

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



#49

Dimethylphthalate

Concen: 4.02 ng

RT: 9.62 min Scan# 659

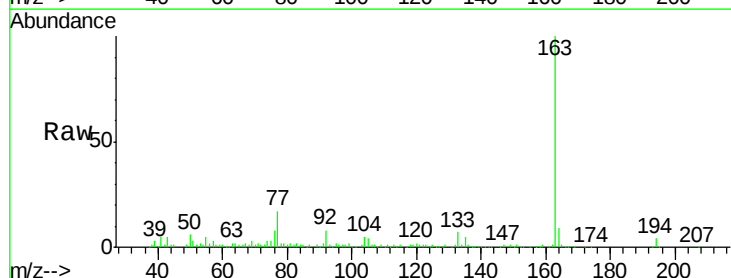
Delta R.T. -0.06 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Tgt Ion:163 Resp: 152565

Ion	Ratio	Lower	Upper
163	100		
194	3.7	8.0	12.0#
164	9.4	8.0	12.0

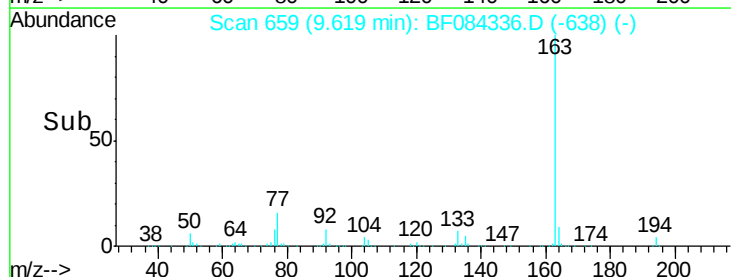
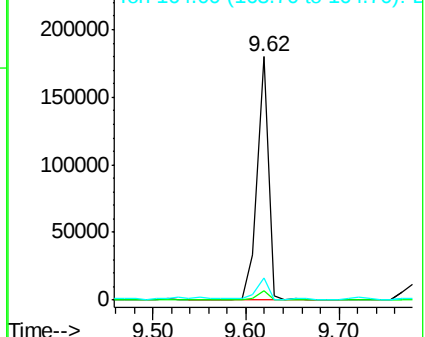


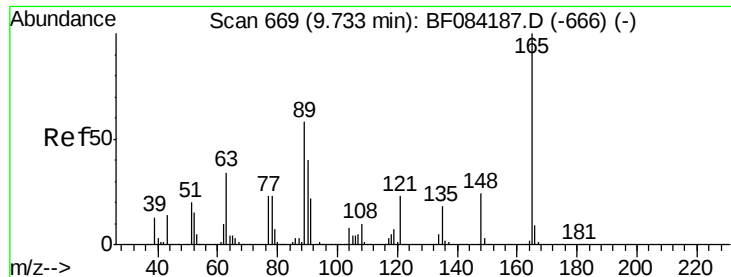
Abundance

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

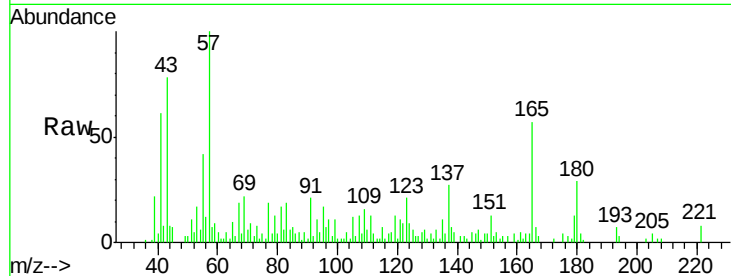




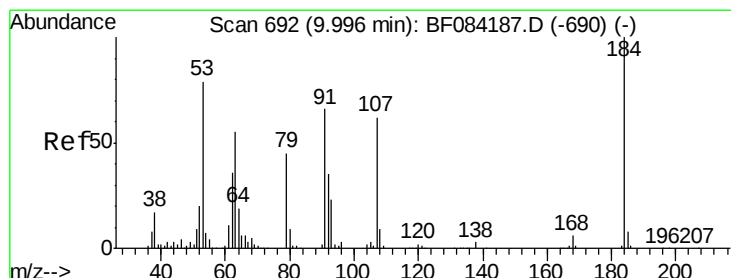
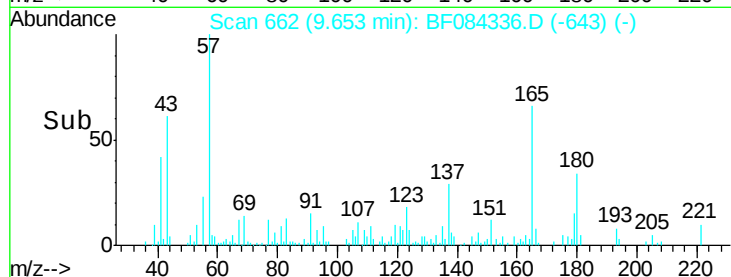
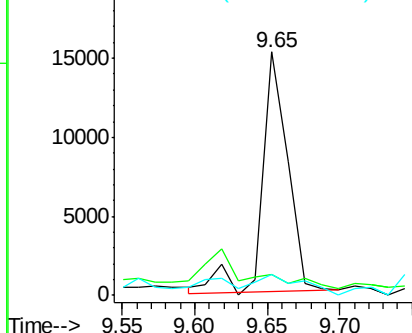
#50
 2,6-Dinitrotoluene
 Concen: 2.21 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.08 min
 Lab File: BF084336.D
 Acq: 8 Jan 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 TEC-21

Tgt Ion:165 Resp: 18373
 Ion Ratio Lower Upper
 165 100
 63 8.7 28.8 43.2#
 89 8.8 35.1 52.7#

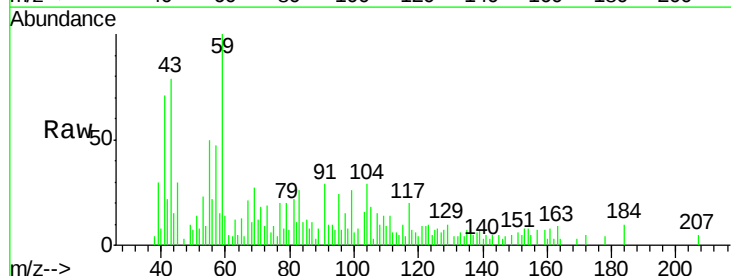


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

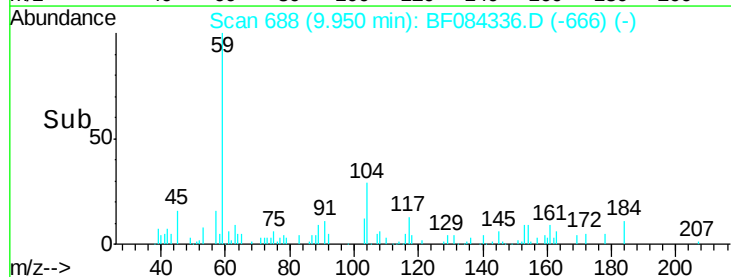
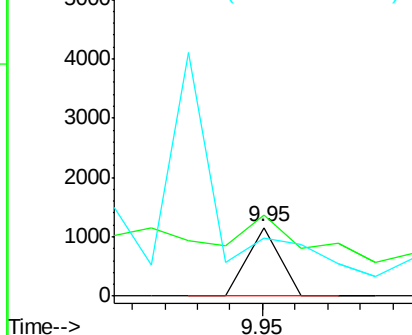


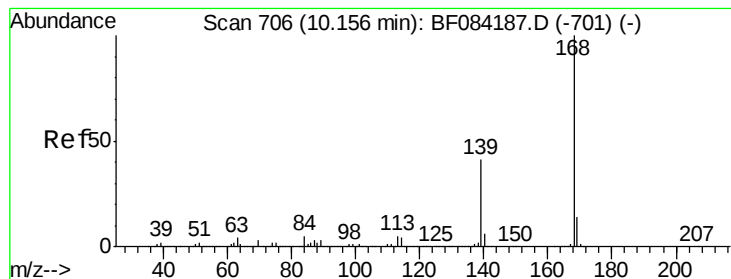
#53
 2,4-Dinitrophenol
 Concen: 3.77 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.05 min
 Lab File: BF084336.D
 Acq: 8 Jan 2016 19:06

Tgt Ion:184 Resp: 793
 Ion Ratio Lower Upper
 184 100
 63 118.5 43.1 64.7#
 154 83.9 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: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Instrument :

BNA_F

ClientSampleId :

TEC-21

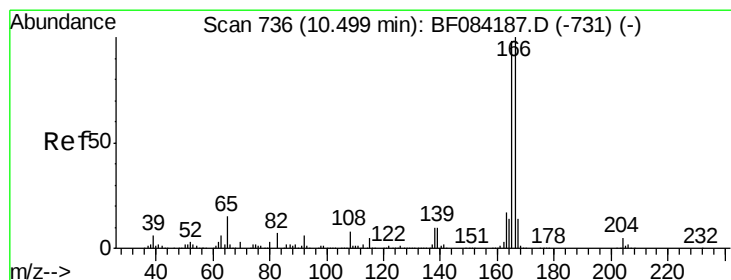
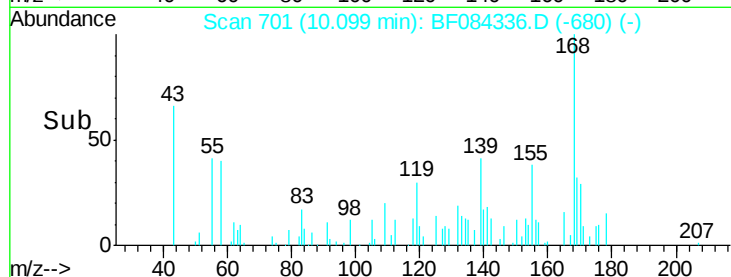
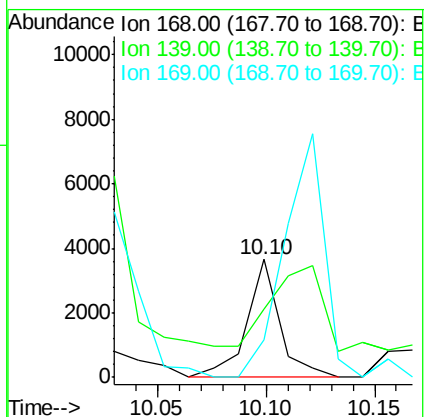
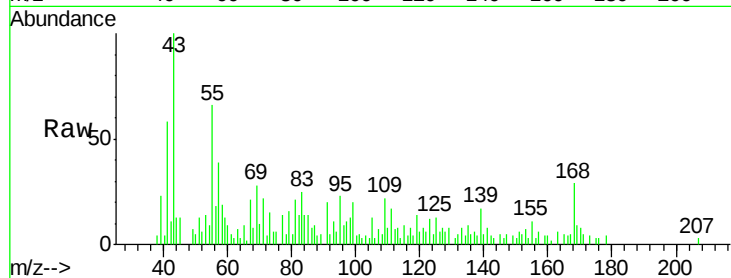
Tgt Ion:168 Resp: 3861

Ion Ratio Lower Upper

168 100

139 57.6 30.5 45.7#

169 32.3 10.4 15.6#



#57

Fluorene

Concen: Below Cal

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

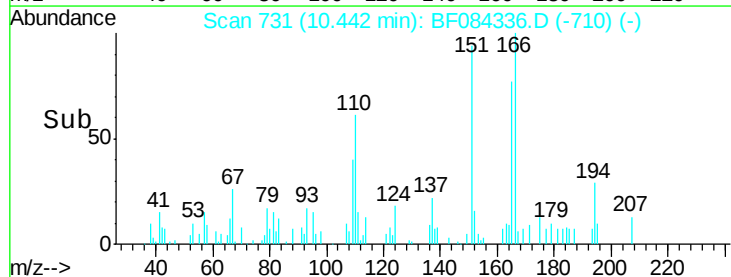
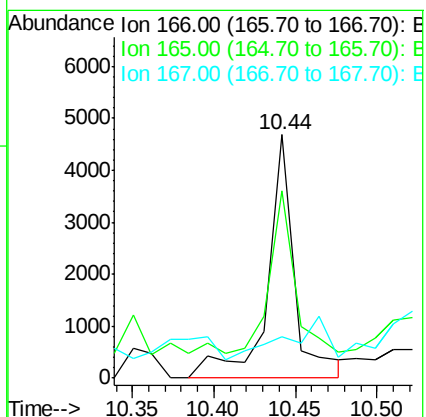
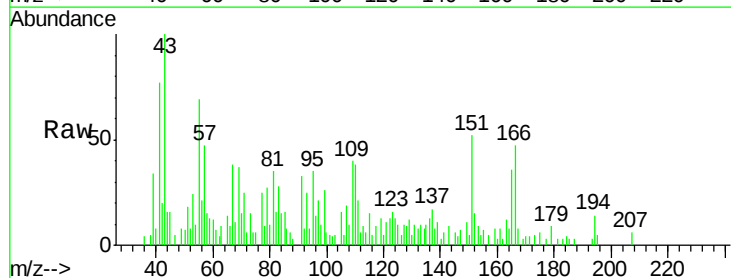
Tgt Ion:166 Resp: 5432

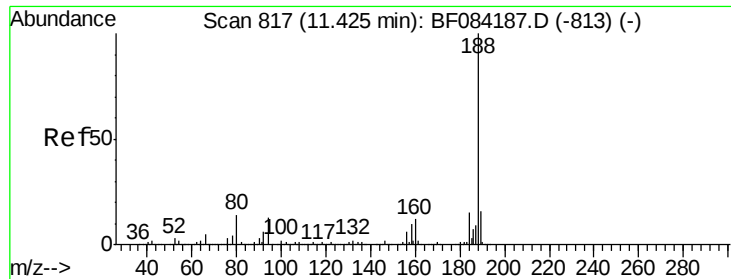
Ion Ratio Lower Upper

166 100

165 76.8 79.1 118.7#

167 17.1 10.4 15.6#

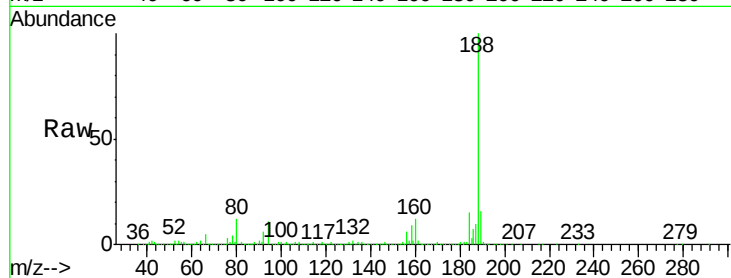




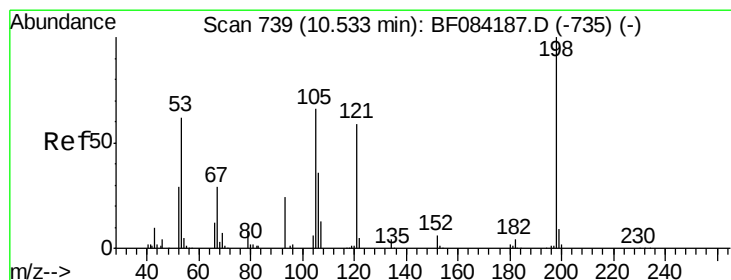
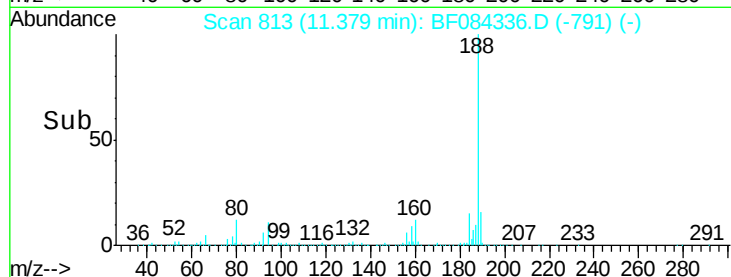
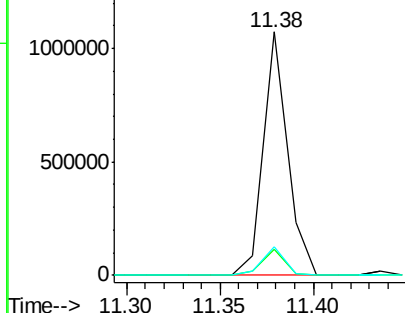
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Instrument :
BNA_F
ClientSampled :
TEC-21

Tgt Ion:188 Resp: 960520
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.4
80 11.7 9.6 14.4

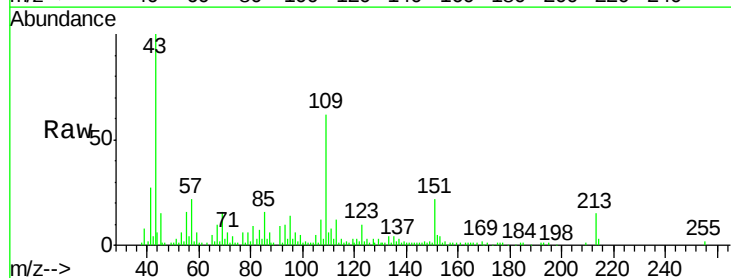


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

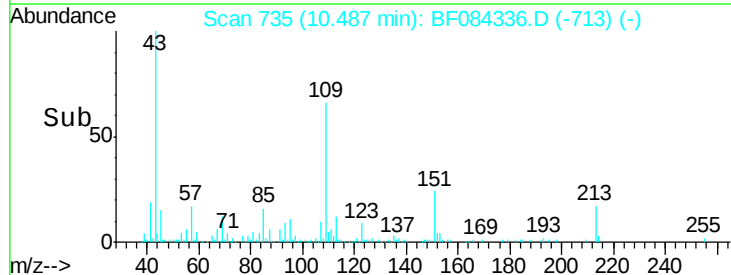
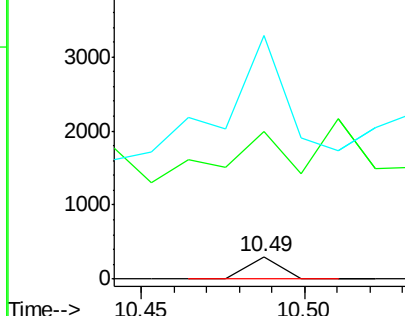


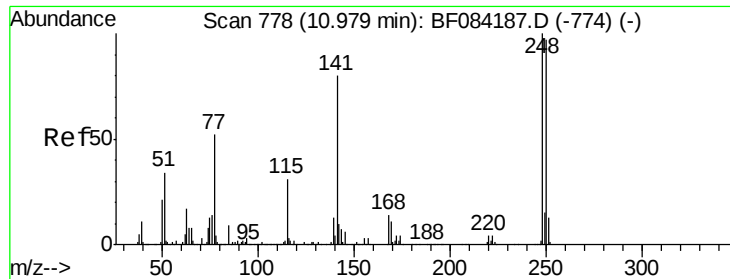
#64
4,6-Dinitro-2-methylphenol
Concen: 6.45 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Tgt Ion:198 Resp: 207
Ion Ratio Lower Upper
198 100
51 661.6 18.9 58.9#
105 1088.4 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

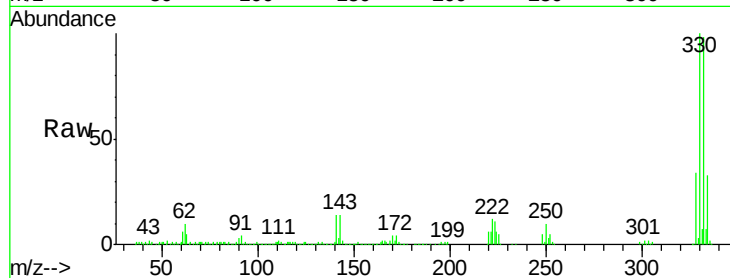




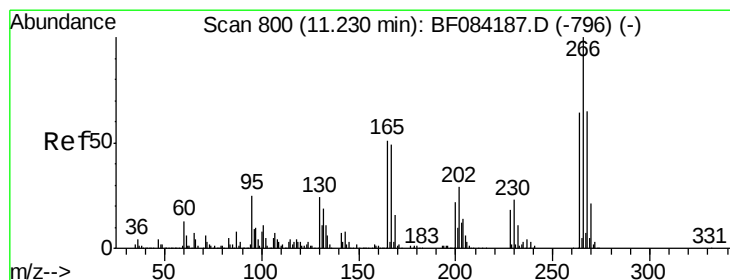
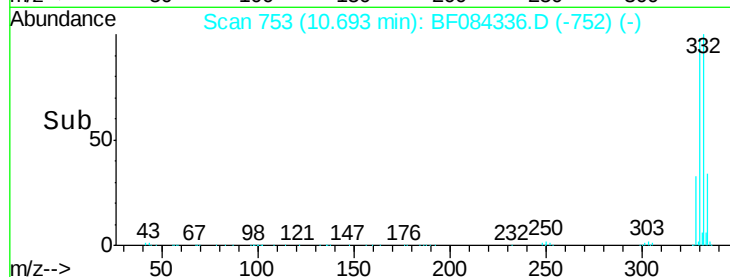
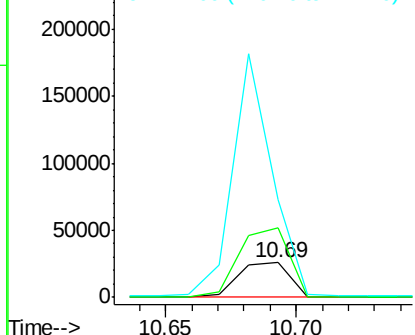
#66
4-Bromophenyl-phenylether
Concen: 3.47 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.29 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Instrument :
BNA_F
ClientSampleId :
TEC-21

Tgt Ion:248 Resp: 35856
Ion Ratio Lower Upper
248 100
250 199.7 78.4 117.6#
141 283.3 44.0 66.0#

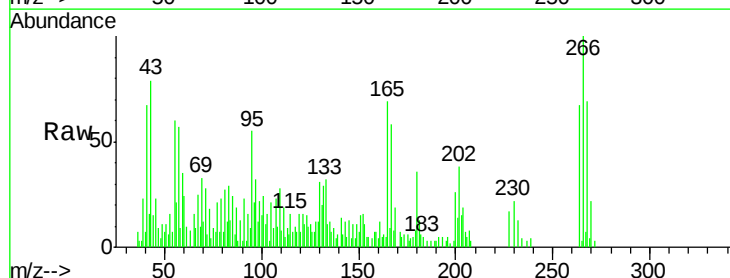


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

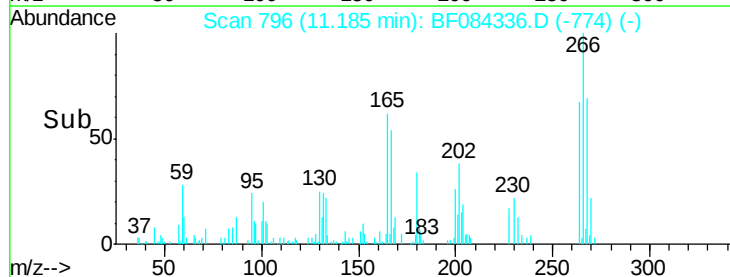
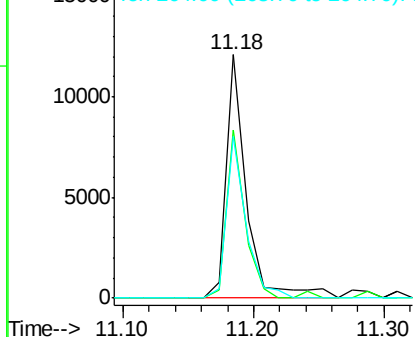


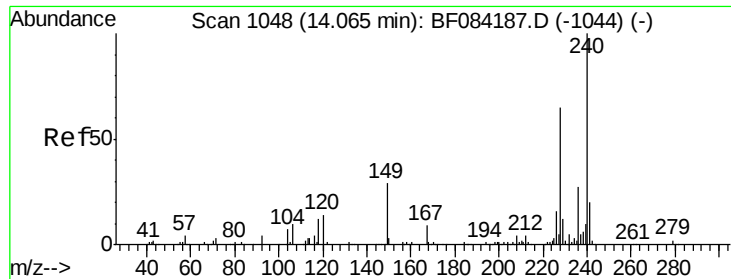
#69
Pentachlorophenol
Concen: 2.16 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Tgt Ion:266 Resp: 13013
Ion Ratio Lower Upper
266 100
268 69.1 52.4 78.6
264 66.5 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

Instrument :

BNA_F

ClientSampleId :

TEC-21

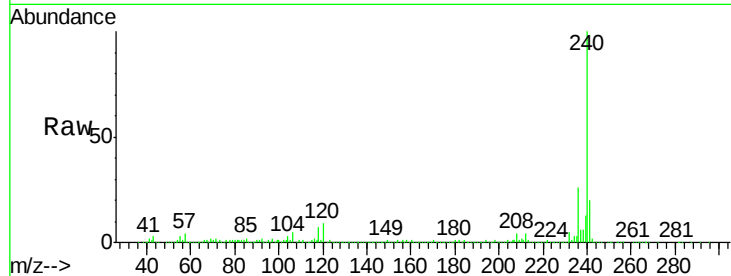
Tgt Ion:240 Resp: 750904

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

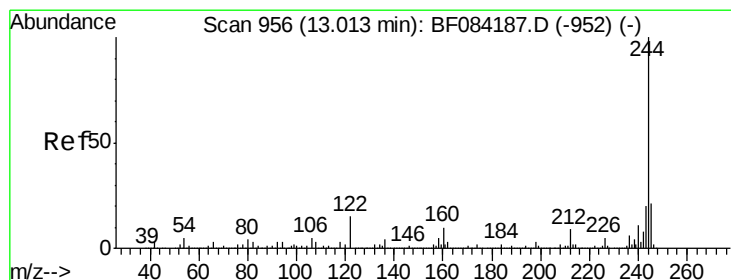
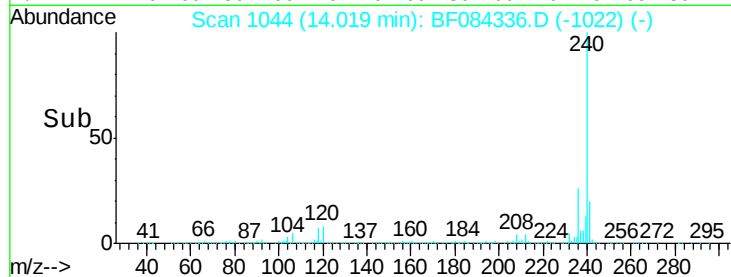
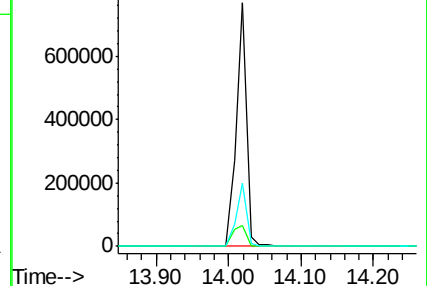
236 25.8 20.6 31.0



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: 77.66 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084336.D

Acq: 8 Jan 2016 19:06

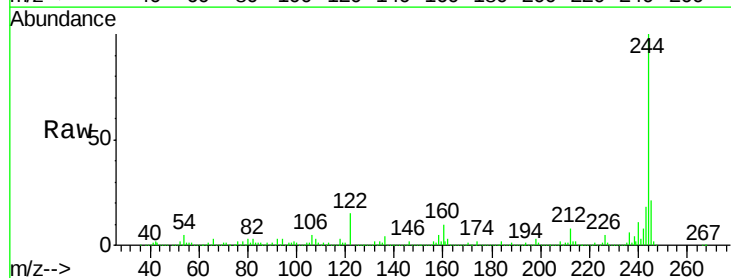
Tgt Ion:244 Resp: 2612382

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

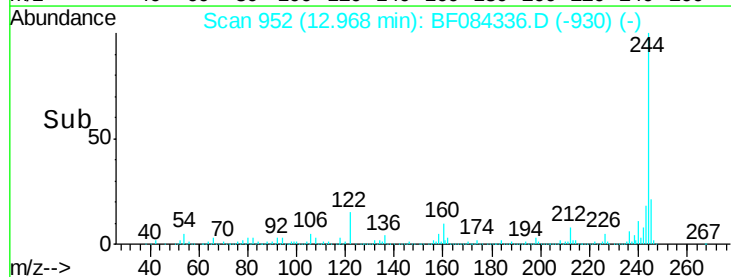
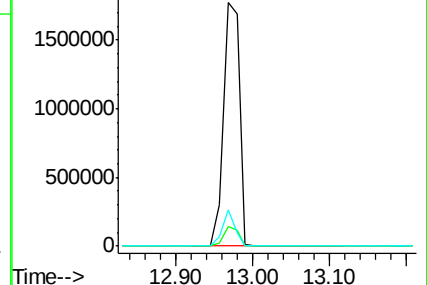
122 14.7 7.4 11.0#

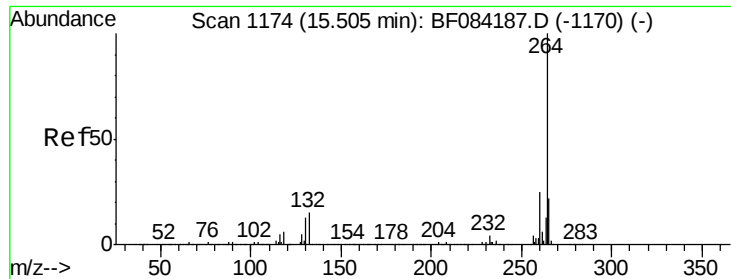


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

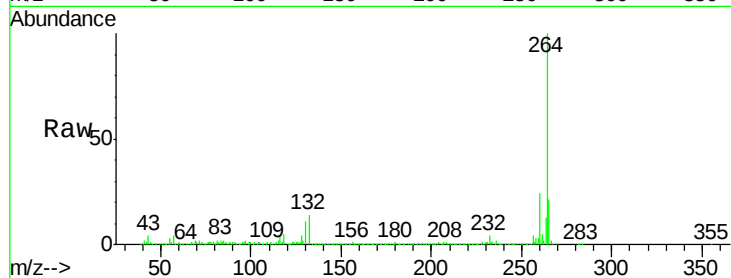




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF084336.D
Acq: 8 Jan 2016 19:06

Instrument :
BNA_F
ClientSampleId :
TEC-21

Tgt Ion: 264 Resp: 519552
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 21.5 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

