

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087983.D
 Acq On : 13 Jun 2016 15:06
 Operator : UM/SJ
 Sample : H3449-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 21-VE-PILE-WALL(0-2)

Quant Time: Jun 13 15:29:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	124788	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	510894	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	229267	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	384940	20.00	ng	0.00
75) Chrysene-d12	13.94	240	255849	20.00	ng	-0.01
86) Perylene-d12	15.36	264	249139	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	654906	89.72	ng	0.00
7) Phenol-d6	6.43	99	889642	100.57	ng	0.00
23) Nitrobenzene-d5	7.36	82	523526	59.84	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	194335	80.28	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	970212	65.19	ng	0.00
78) Terphenyl-d14	12.90	244	647742	57.61	ng	0.00

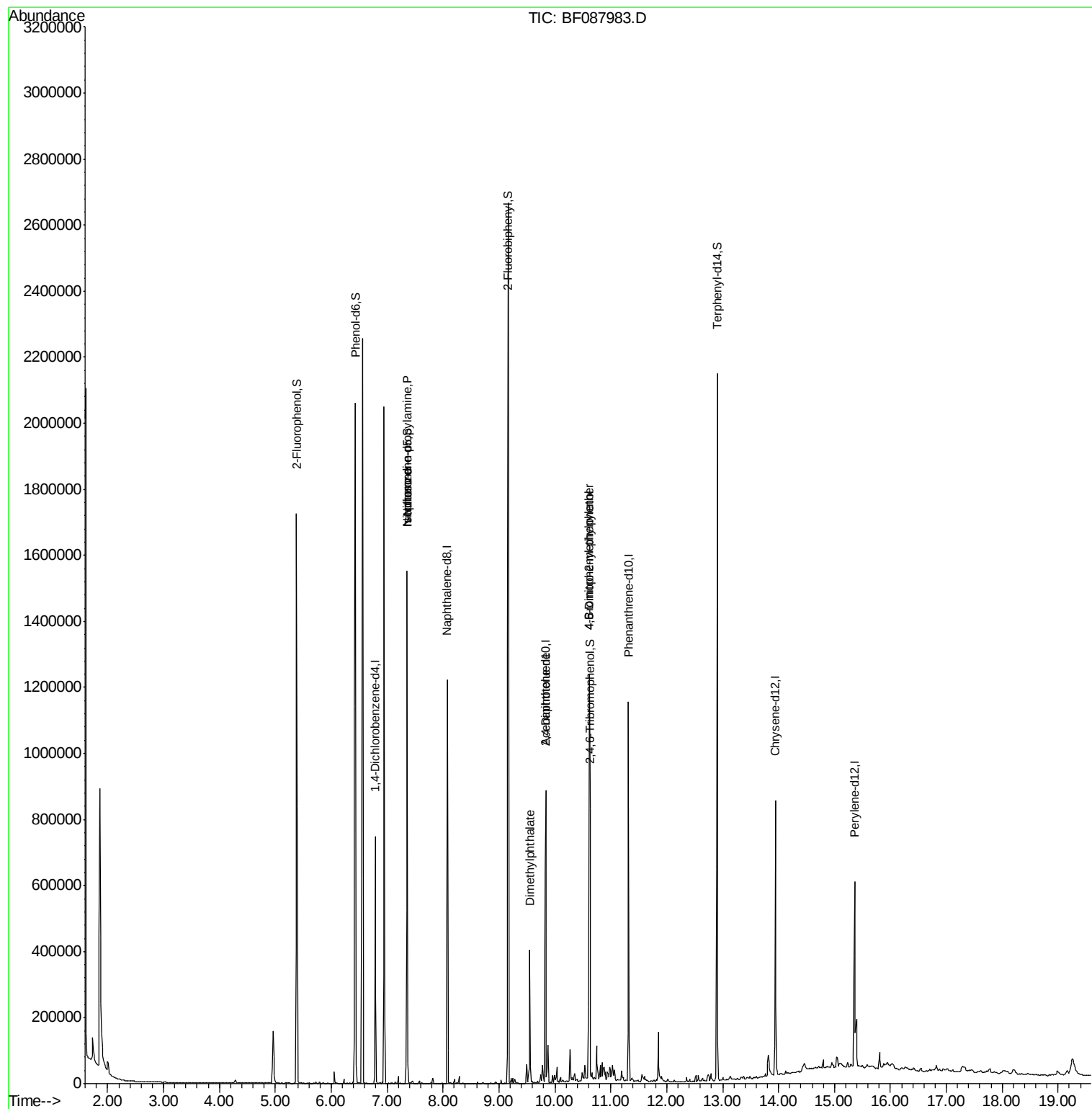
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	5626	Below Cal		97
19) n-Nitroso-di-n-propylamine	7.36	70	68580	12.12 ng	#	72
25) Isophorone	7.36	82	390569	24.10 ng	#	65
45) 1,1'-Biphenyl	9.16	154	1902	Below Cal	#	1
49) Dimethylphthalate	9.55	163	147385	8.87 ng		100
56) 2,4-Dinitrotoluene	9.84	165	29251	5.98 ng	#	38
57) Fluorene	10.38	166	285	Below Cal	#	70
64) 4,6-Dinitro-2-methylphenol	10.62	198	228	2.25 ng	#	1
66) 4-Bromophenyl-phenylether	10.62	248	12186	2.95 ng	#	1

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

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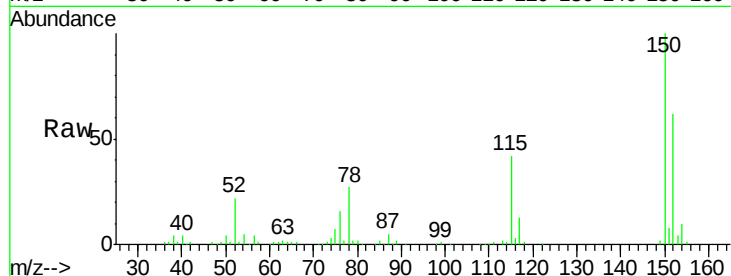




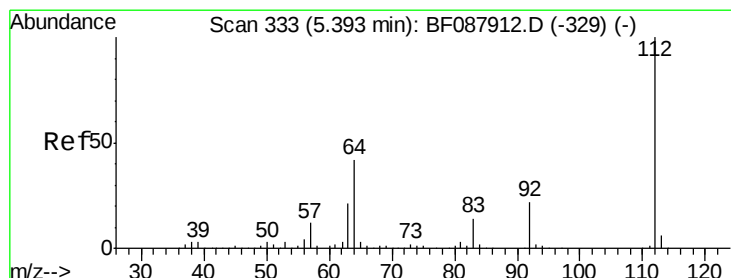
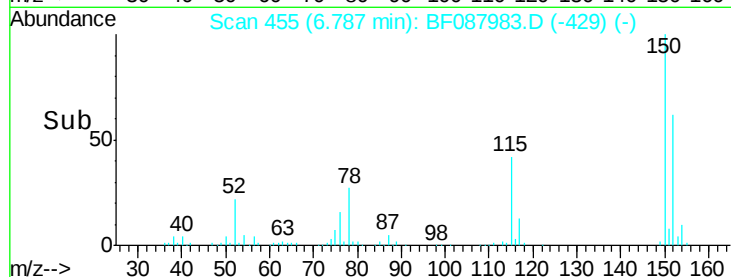
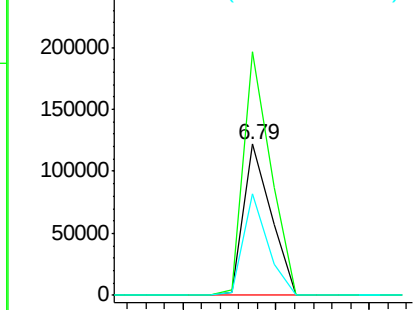
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Instrument :
 BNA_F
 ClientSampleId :
 21-VE-PILE-WALL(0-2)

Tgt Ion:152 Resp: 124788
 Ion Ratio Lower Upper
 152 100
 150 160.9 123.8 185.6
 115 66.8 39.6 59.4#

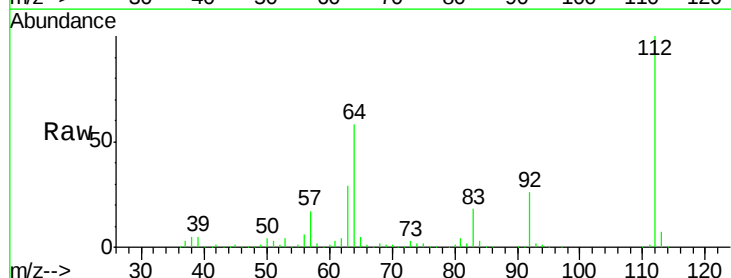


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

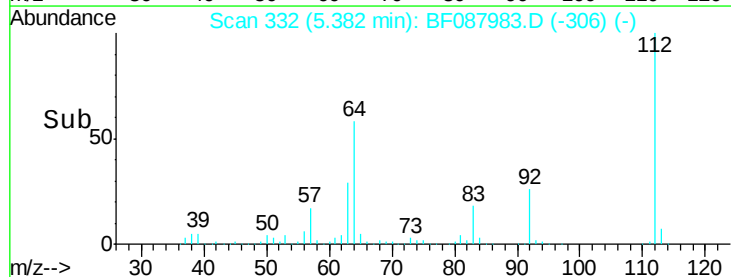
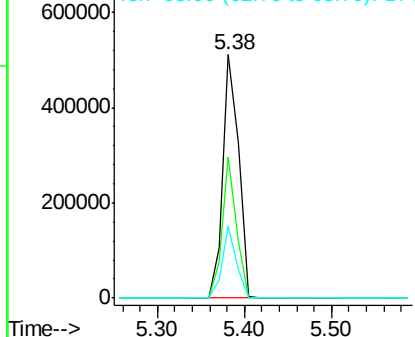


#5
 2-Fluorophenol
 Concen: 89.72 ng
 RT: 5.38 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Tgt Ion:112 Resp: 654906
 Ion Ratio Lower Upper
 112 100
 64 57.8 42.2 63.2
 63 29.4 21.8 32.8



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: 100.57 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

Instrument :

BNA_F

ClientSampleId :

21-VE-PILE-WALL(0-2)

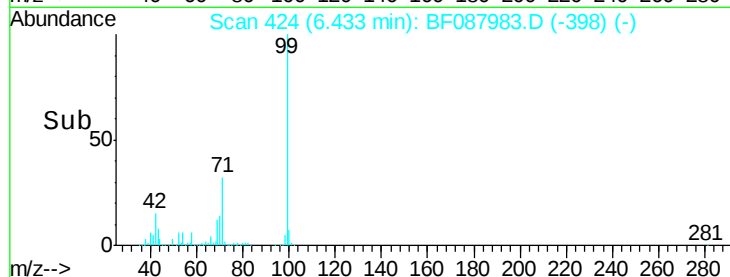
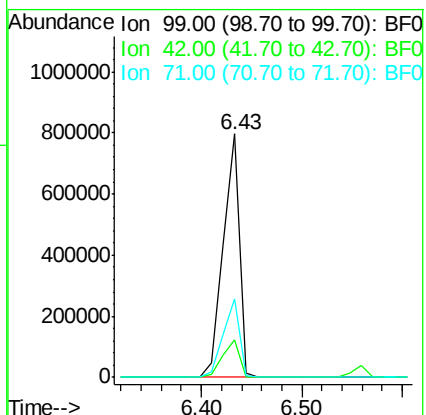
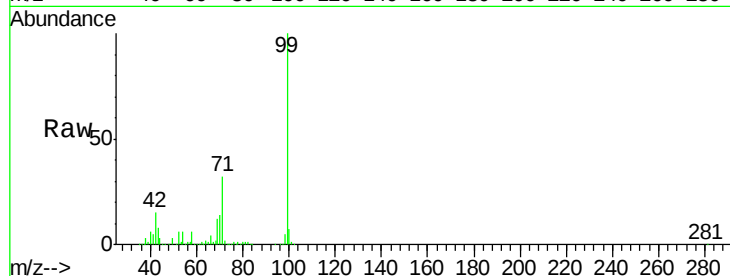
Tgt Ion: 99 Resp: 889642

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

71 32.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.12 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

Tgt Ion: 70 Resp: 68580

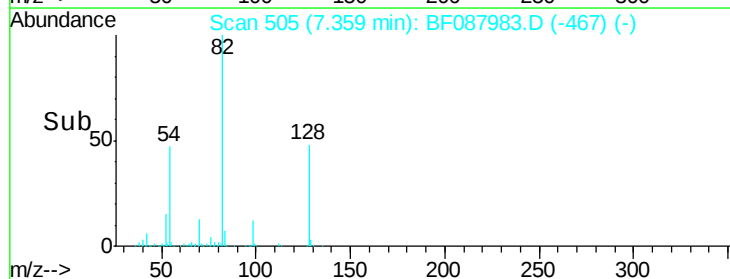
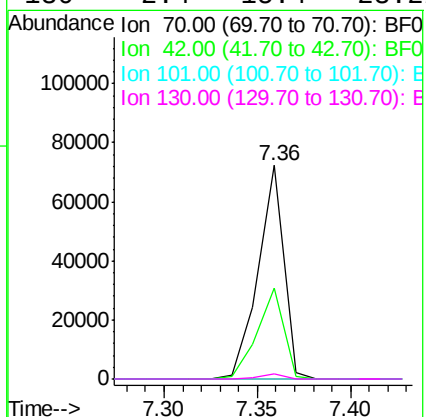
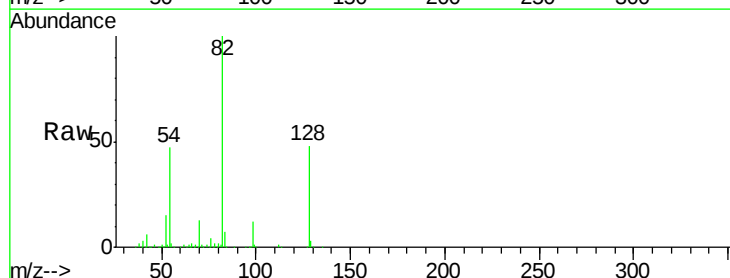
Ion Ratio Lower Upper

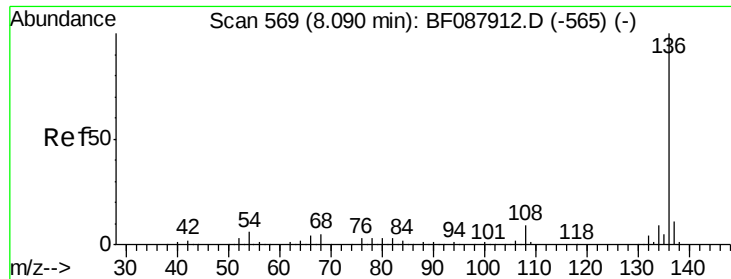
70 100

42 42.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

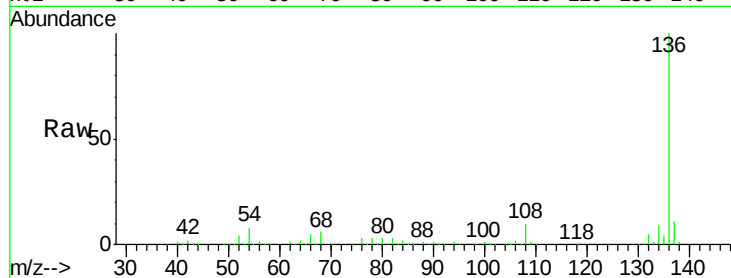




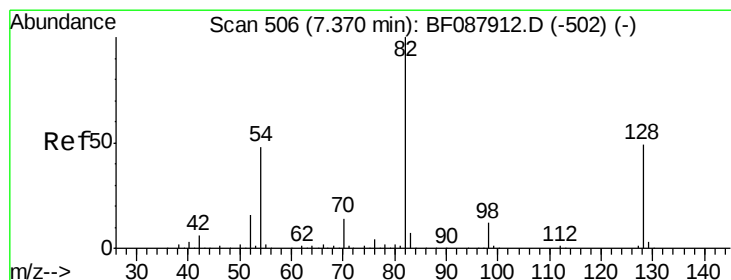
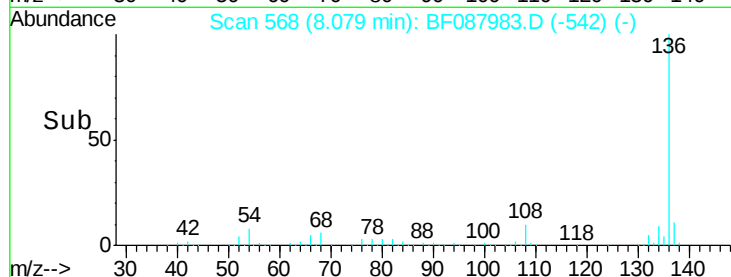
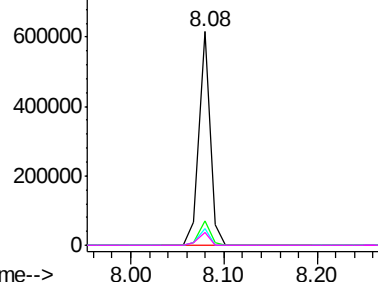
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF087983.D
Acq: 13 Jun 2016 15:06

Instrument :
BNA_F
ClientSampleId :
21-VE-PILE-WALL(0-2)

Tgt Ion:	136	Resp:	510894
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.7	6.6	10.0
68	6.3	5.1	7.7

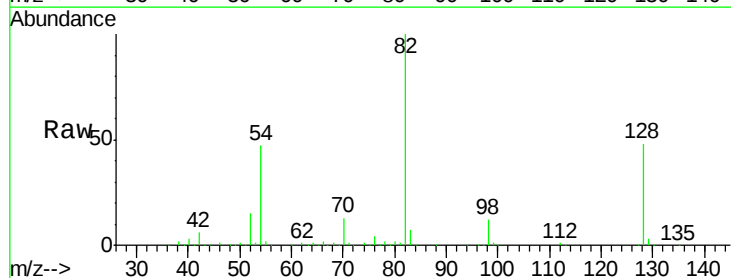


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

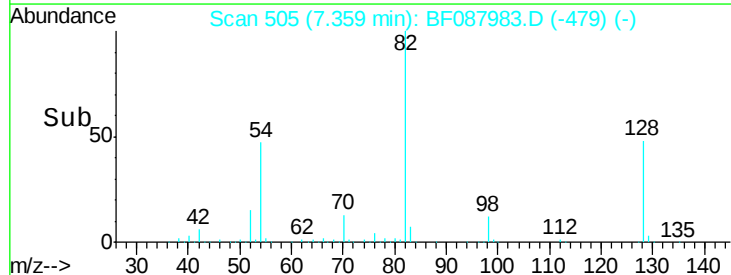
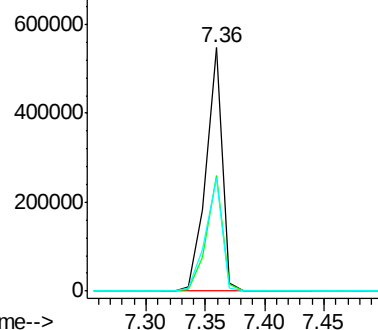


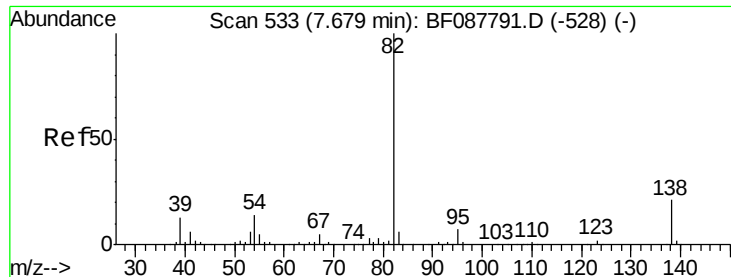
#23
Nitrobenzene-d5
Concen: 59.84 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF087983.D
Acq: 13 Jun 2016 15:06

Tgt Ion:	82	Resp:	523526
Ion	Ratio	Lower	Upper
82	100		
128	47.6	35.9	53.9
54	46.6	40.9	61.3



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





#25

Isophorone

Concen: 24.10 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.26 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

Instrument :

BNA_F

ClientSampleId :

21-VE-PILE-WALL(0-2)

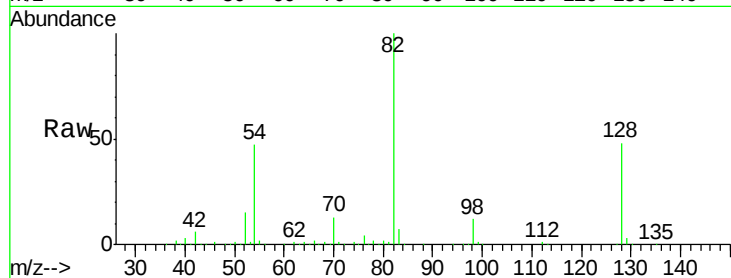
Tgt Ion: 82 Resp: 390569

Ion Ratio Lower Upper

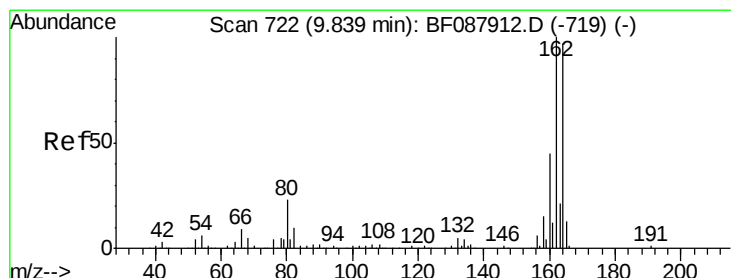
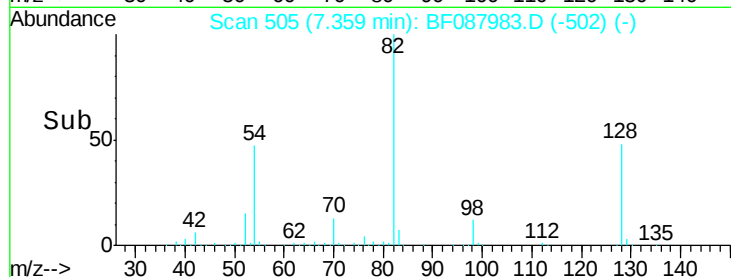
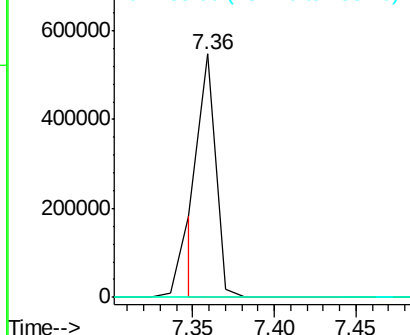
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

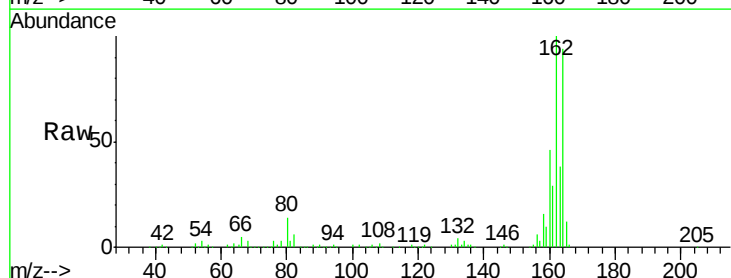
Tgt Ion:164 Resp: 229267

Ion Ratio Lower Upper

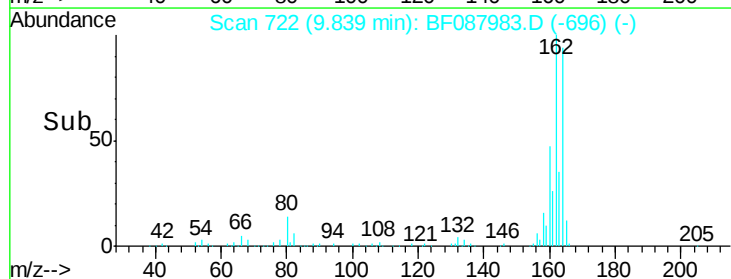
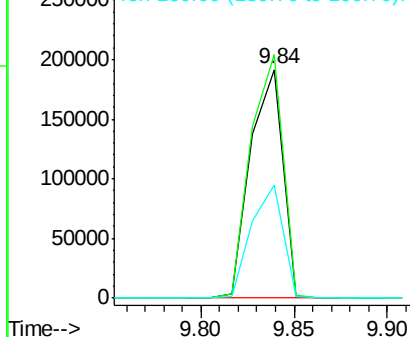
164 100

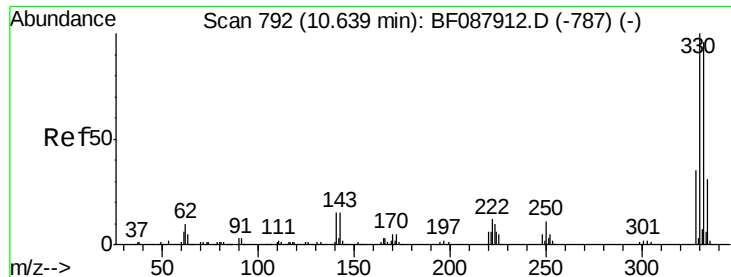
162 106.5 85.4 128.2

160 49.4 39.5 59.3



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

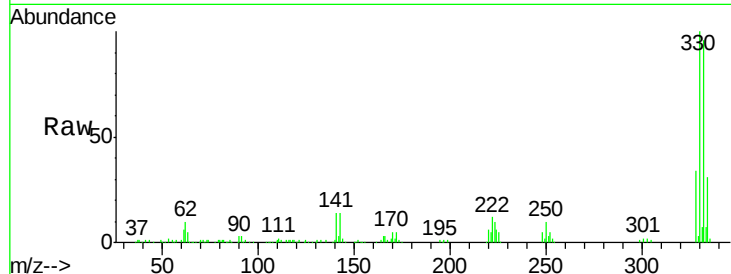




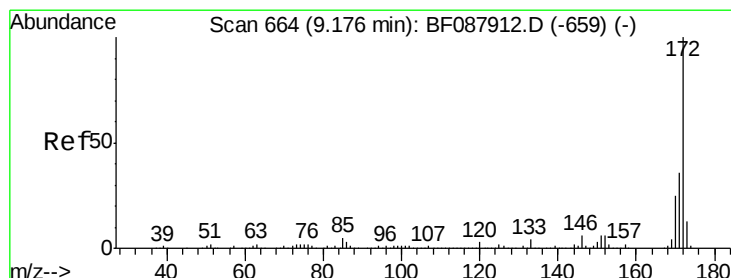
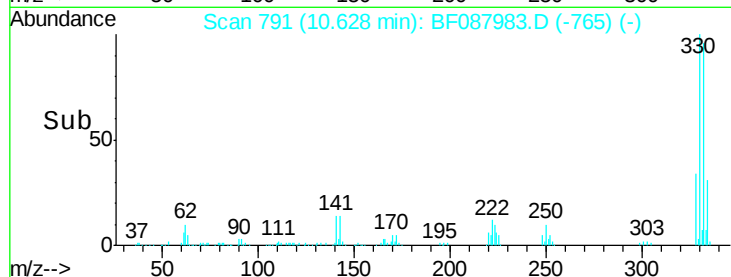
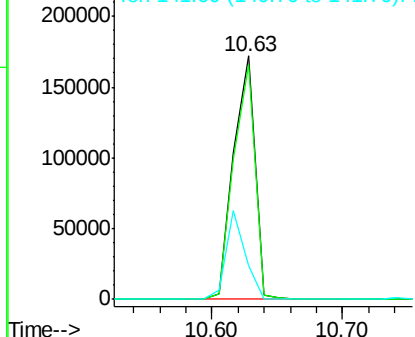
#41
 2,4,6-Tribromophenol
 Concen: 80.28 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	33.6	0.0	0.0#

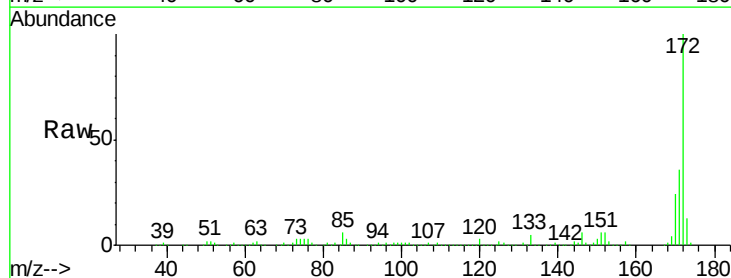


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

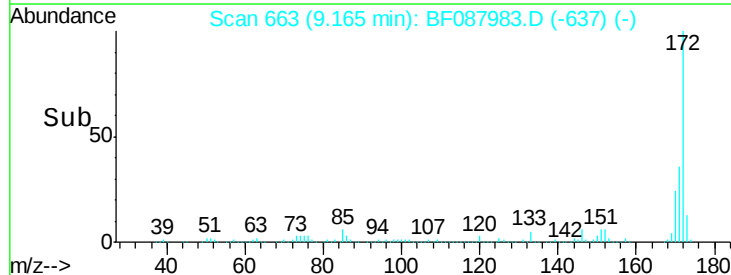
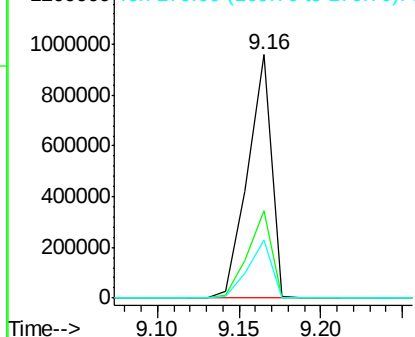


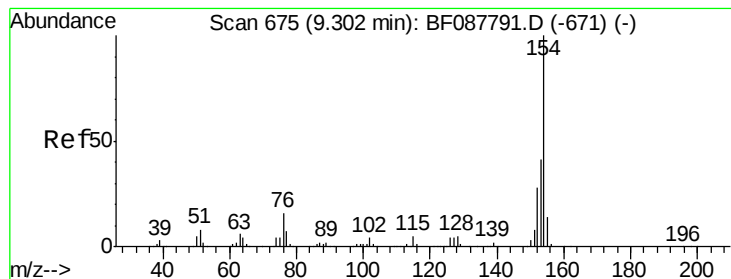
#44
 2-Fluorobiphenyl
 Concen: 65.19 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.0	19.2	28.8



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: Below Cal

RT: 9.16 min Scan# 663

Delta R.T. -0.10 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

Instrument :

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ClientSampleId :

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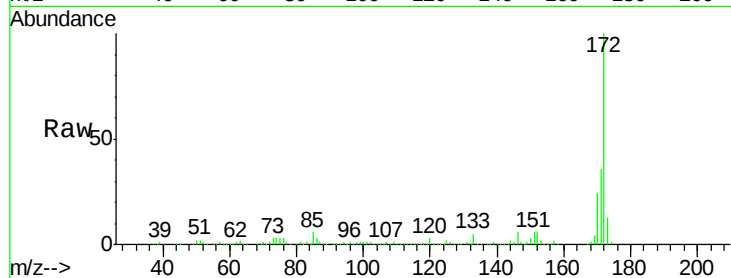
Tgt Ion:154 Resp: 1902

Ion Ratio Lower Upper

154 100

153 949.3 20.6 60.6#

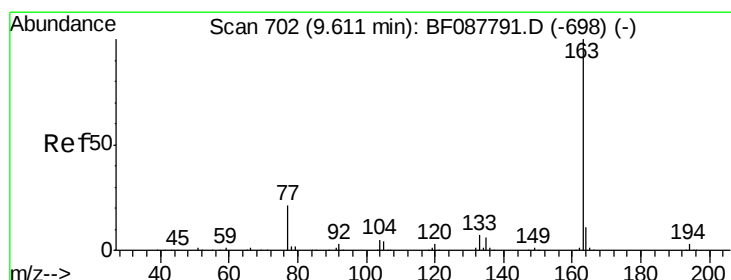
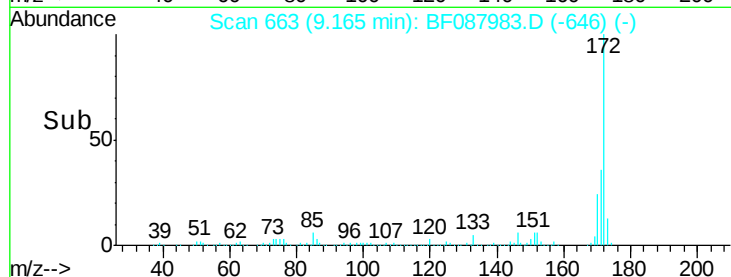
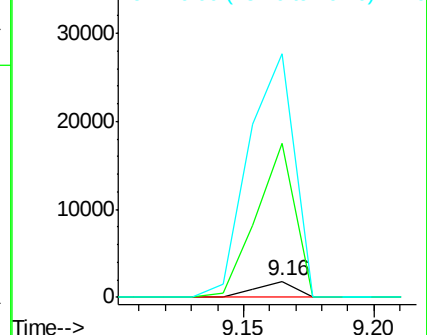
76 1496.2 0.0 35.1#



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



#49

Dimethylphthalate

Concen: 8.87 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

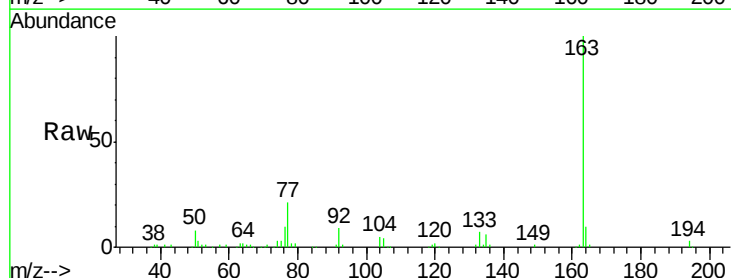
Tgt Ion:163 Resp: 147385

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

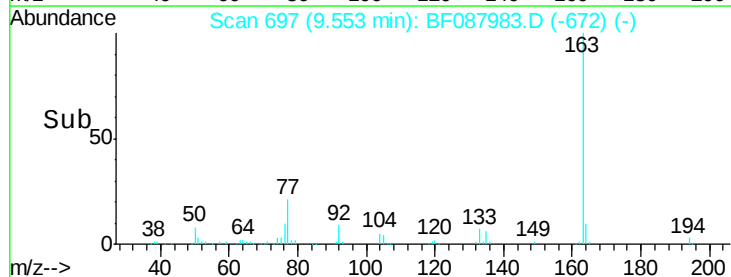
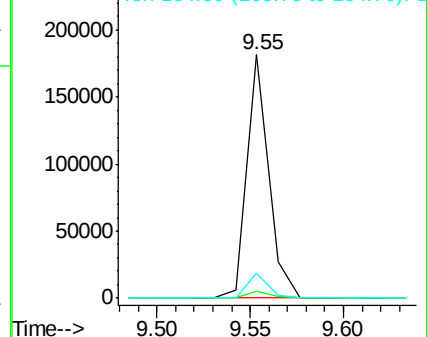
164 10.3 8.3 12.5

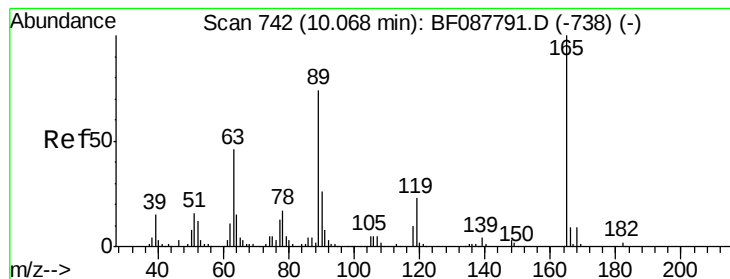


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 5.98 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.19 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

Instrument :

BNA_F

ClientSampleId :

21-VE-PILE-WALL(0-2)

Tgt Ion:165 Resp: 29251

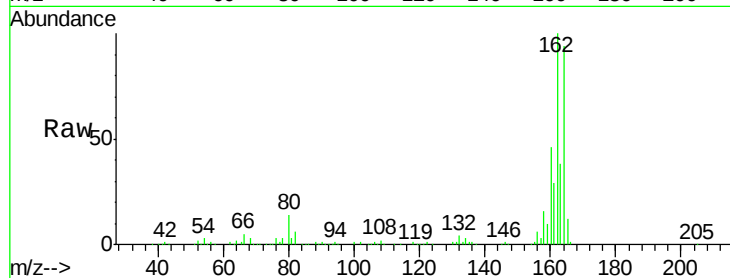
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

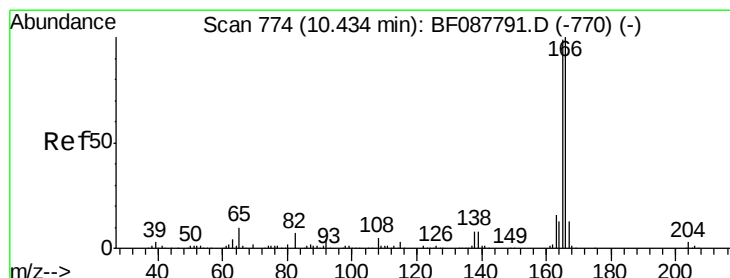
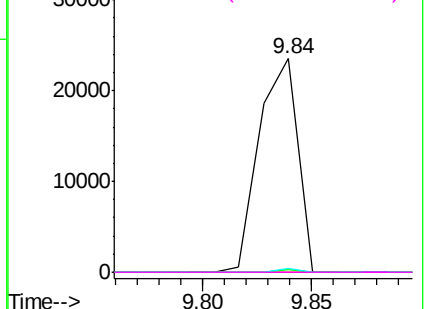
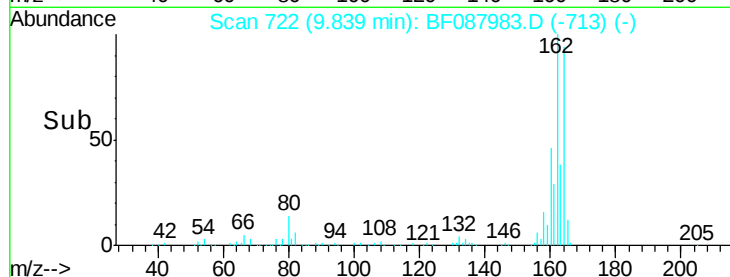


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.38 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

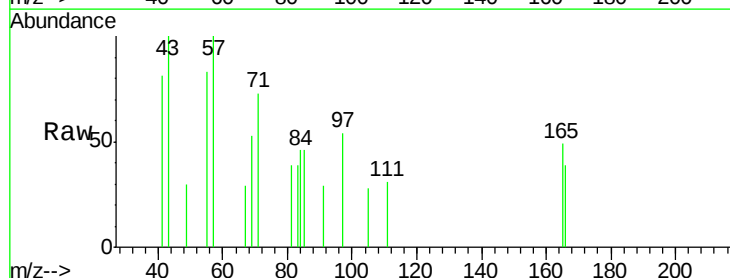
Tgt Ion:166 Resp: 285

Ion Ratio Lower Upper

166 100

165 126.2 77.8 116.8#

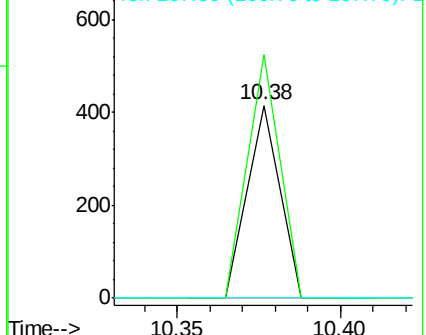
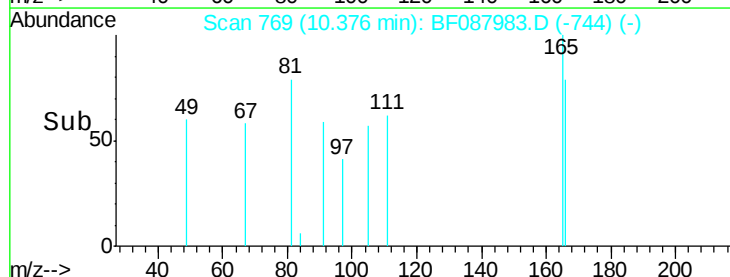
167 0.0 11.2 16.8#

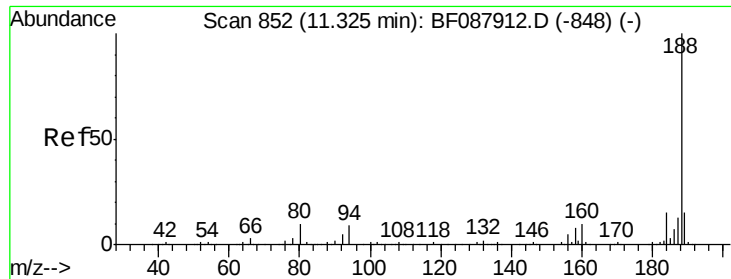


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

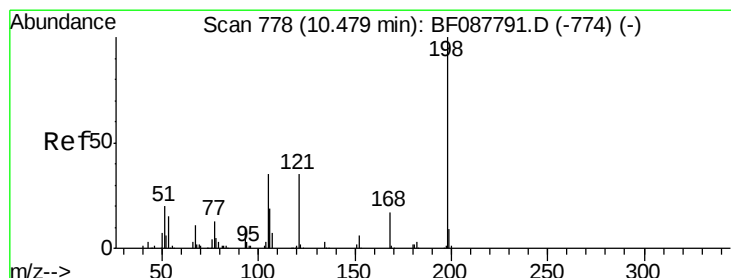
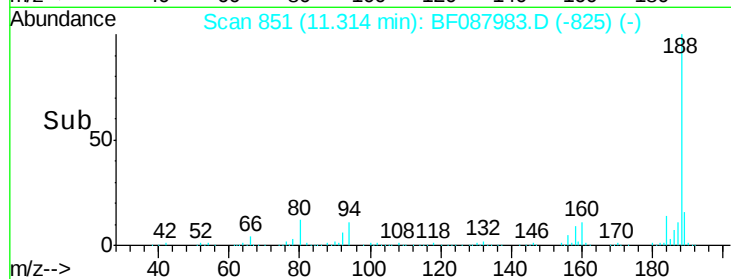
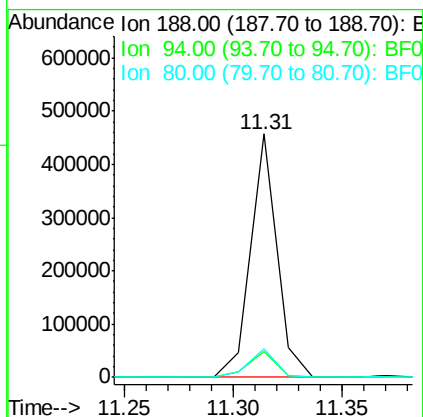
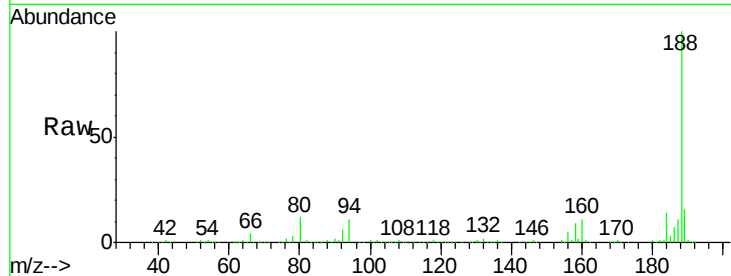




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

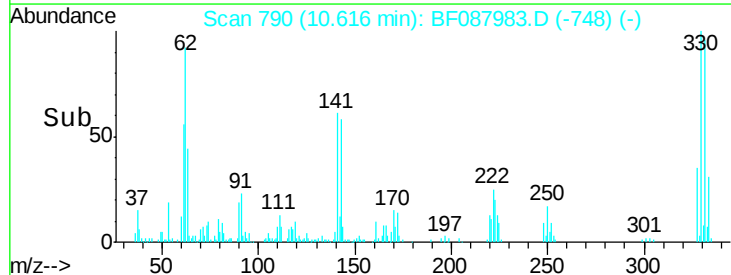
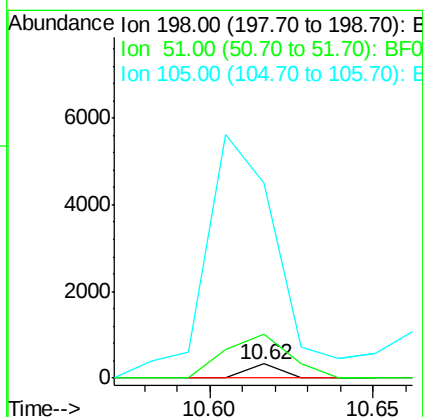
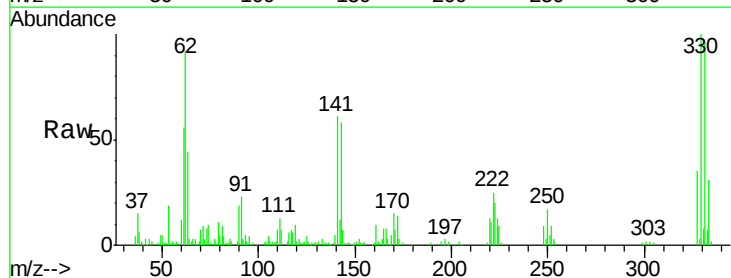
Instrument :
 BNA_F
 ClientSampleId :
 21-VE-PILE-WALL(0-2)

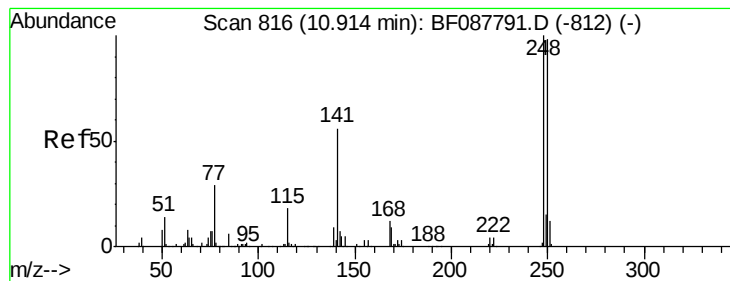
Tgt Ion:188 Resp: 384940
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.0 13.6
 80 11.7 10.0 15.0



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.25 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.18 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Tgt Ion:198 Resp: 228
 Ion Ratio Lower Upper
 198 100
 51 306.3 39.6 79.6#
 105 1354.5 36.6 76.6#





#66

4-Bromophenyl-phenylether

Concen: 2.95 ng

RT: 10.62 min Scan# 790

Delta R.T. -0.25 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

Instrument :

BNA_F

ClientSampleId :

21-VE-PILE-WALL(0-2)

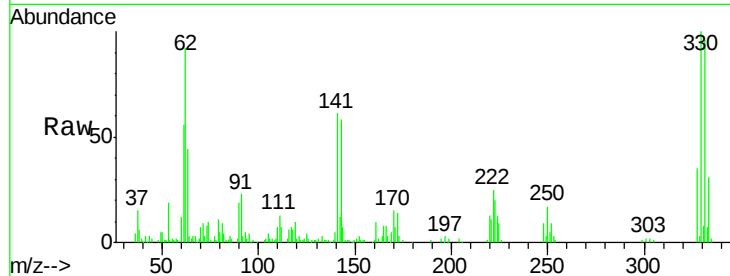
Tgt Ion:248 Resp: 12186

Ion Ratio Lower Upper

248 100

250 199.5 77.1 115.7#

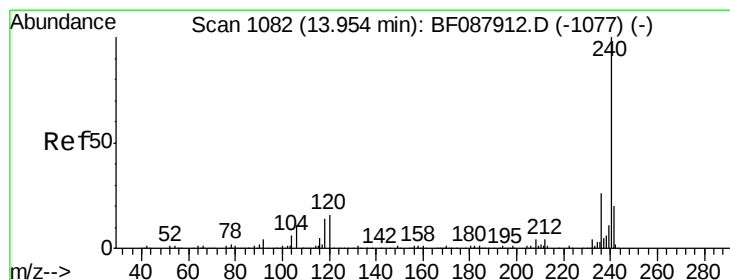
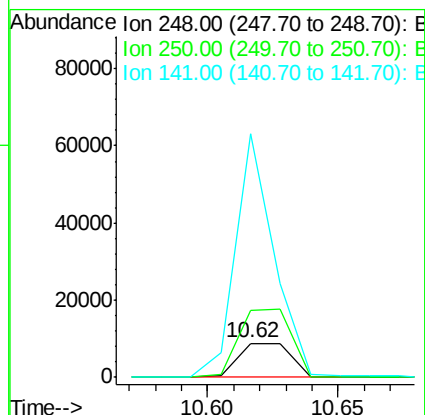
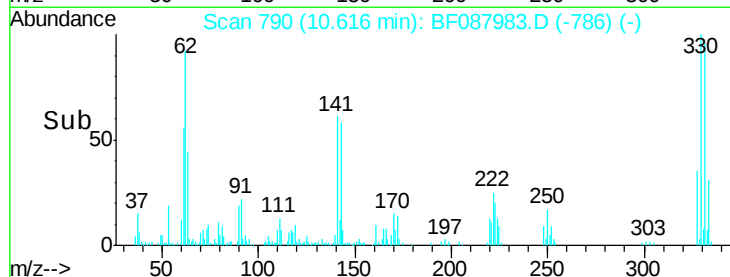
141 719.6 50.6 76.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BF087983.D

Acq: 13 Jun 2016 15:06

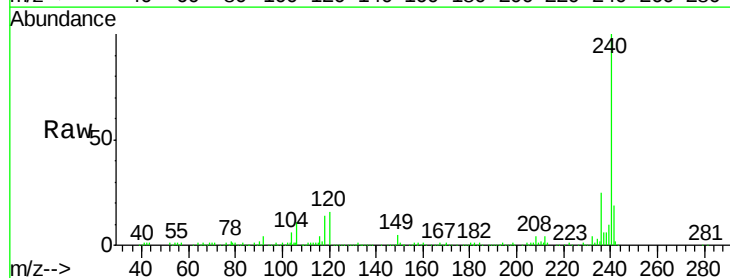
Tgt Ion:240 Resp: 255849

Ion Ratio Lower Upper

240 100

120 15.9 6.8 10.2#

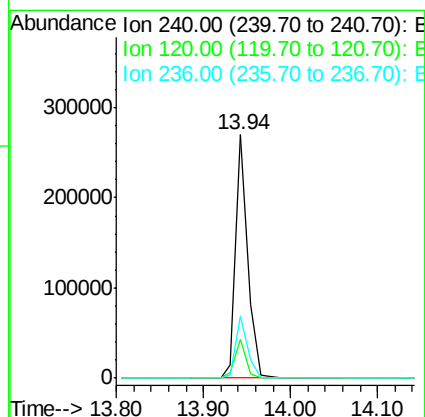
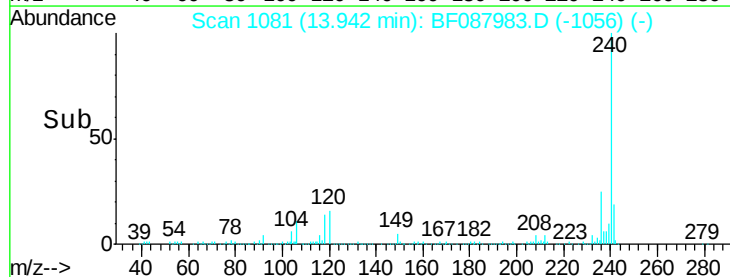
236 25.5 20.2 30.2

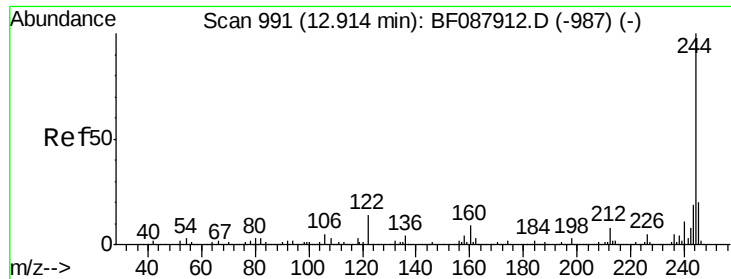


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

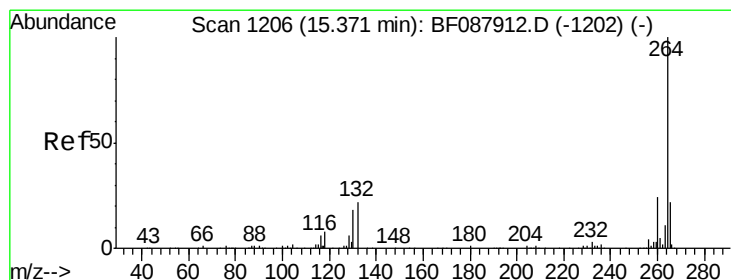
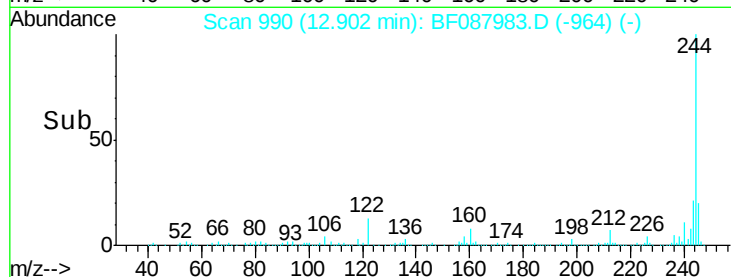
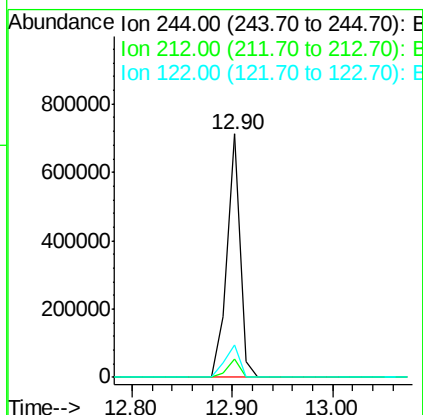
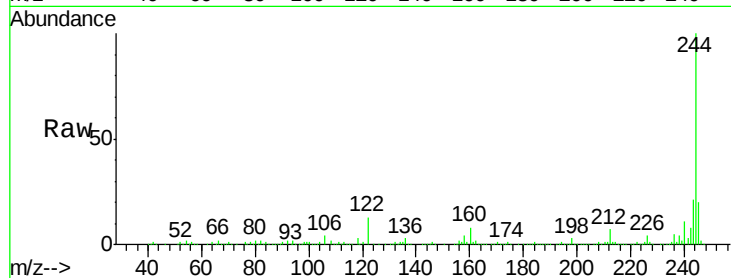




#78
 Terphenyl-d14
 Concen: 57.61 ng
 RT: 12.90 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Instrument :
 BNA_F
 ClientSampleId :
 21-VE-PILE-WALL(0-2)

Tgt Ion:244 Resp: 647742
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.2 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF087983.D
 Acq: 13 Jun 2016 15:06

Tgt Ion:264 Resp: 249139
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.5 16.9 25.3

