

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
 Data File : BF087527.D
 Acq On : 29 May 2016 23:57
 Operator : UM/SJ
 Sample : H3222-12
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11

Quant Time: May 30 06:48:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	102138	20.00	ng	-0.05
21) Naphthalene-d8	9.51	136	413725	20.00	ng	-0.05
38) Acenaphthene-d10	12.33	164	196606	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	371899	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	267714	20.00	ng	-0.02
86) Perylene-d12	20.14	264	206935	20.00	ng	0.00

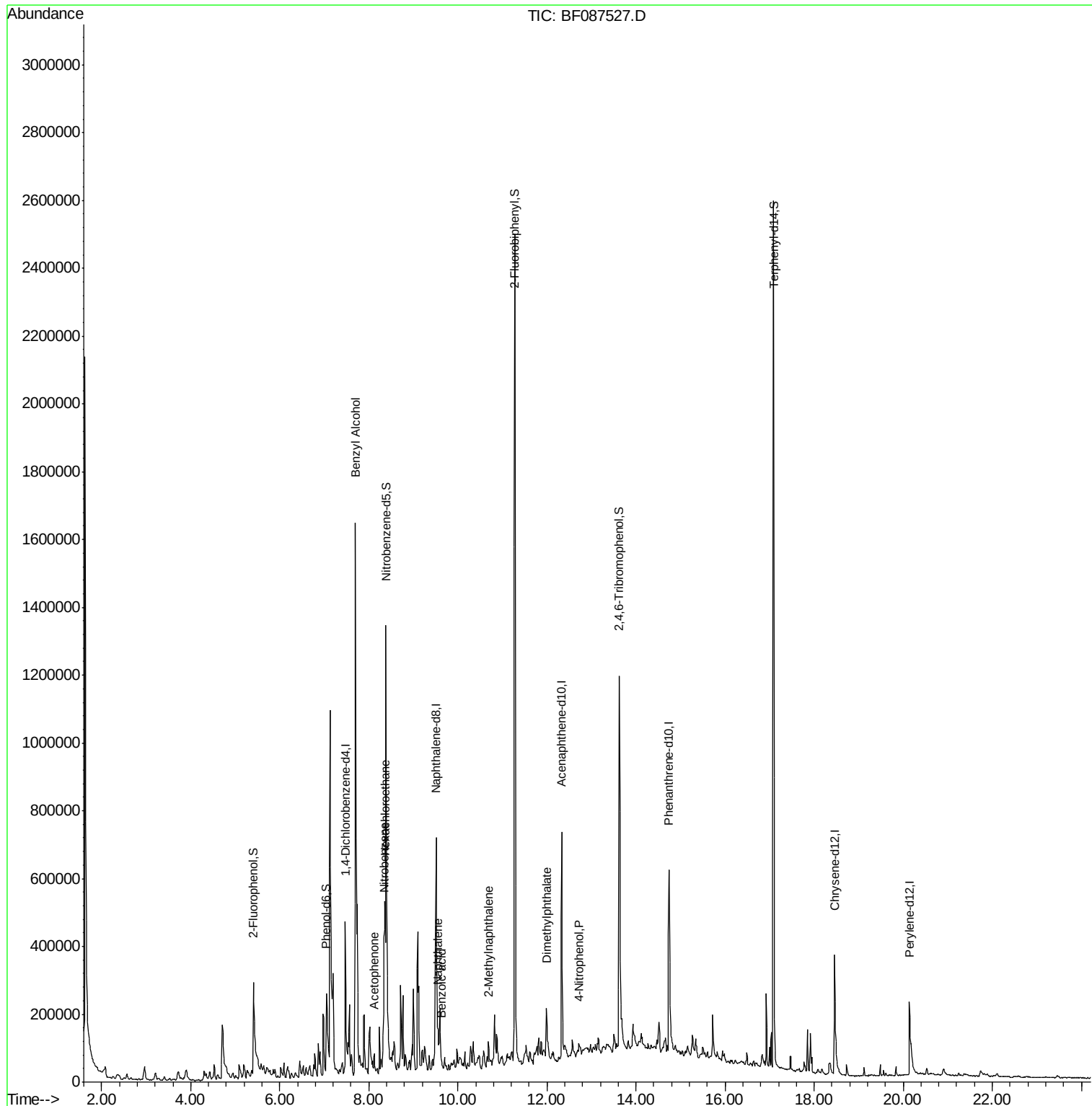
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	241970	41.63	ng	-0.01
7) Phenol-d6	7.05	99	212203	27.02	ng	-0.02
23) Nitrobenzene-d5	8.39	82	626503	76.32	ng	-0.06
41) 2,4,6-Tribromophenol	13.62	330	182424	96.55	ng	-0.06
44) 2-Fluorobiphenyl	11.28	172	1035593	74.26	ng	-0.06
78) Terphenyl-d14	17.09	244	885322	70.31	ng	-0.05

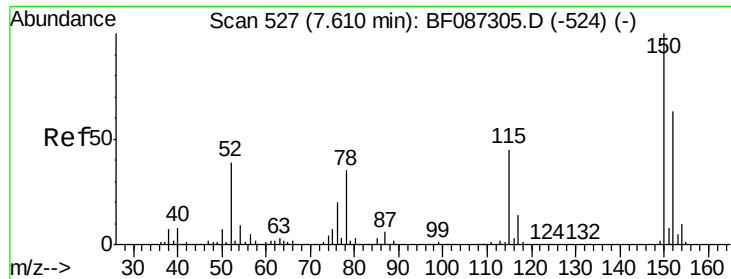
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.70	79	13620	2.38	ng	# 46
18) Hexachloroethane	8.36	117	272366	89.95	ng	# 7
22) Acetophenone	8.12	105	40207	4.07	ng	# 54
24) Nitrobenzene	8.34	77	36461	4.21	ng	# 17
31) Naphthalene	9.55	128	60478	2.92	ng	# 70
32) Benzoic acid	9.63	122	257	5.90	ng	# 1
37) 2-Methylnaphthalene	10.68	142	35608	2.75	ng	# 95
49) Dimethylphthalate	11.99	163	96479	6.13	ng	# 98
55) 4-Nitrophenol	12.73	139	5246	3.38	ng	# 60

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

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\  
Data File : BF087527.D  
Acq On    : 29 May 2016   23:57  
Operator  : UM/SJ  
Sample    : H3222-12  
Misc      :  
ALS Vial  : 49      Sample Multiplier: 1
```

Quant Time: May 30 06:48:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration



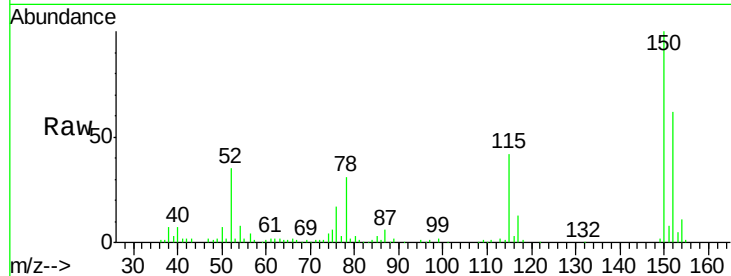


#1

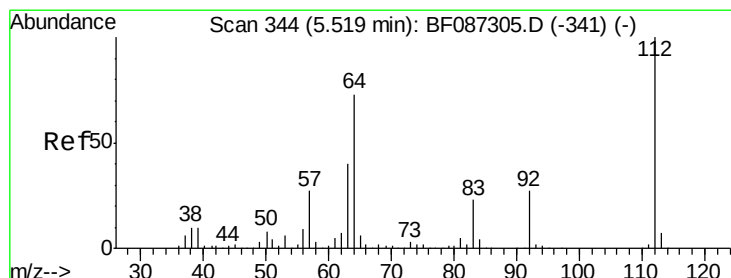
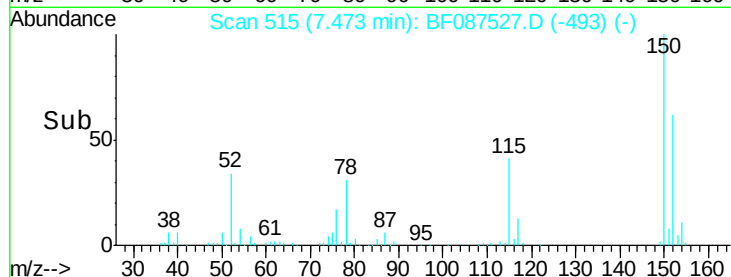
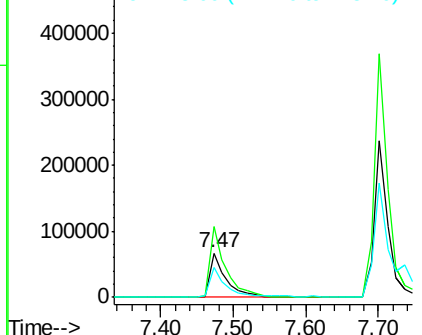
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.47 min Scan# 515
Delta R.T. -0.05 min
Lab File: BF087527.D
Acq: 29 May 2016 23:57

Instrument :
BNA_F
ClientSampleId :
MW-11

Tgt Ion:152 Resp: 102138
Ion Ratio Lower Upper
152 100
150 160.1 125.8 188.6
115 66.7 51.5 77.3



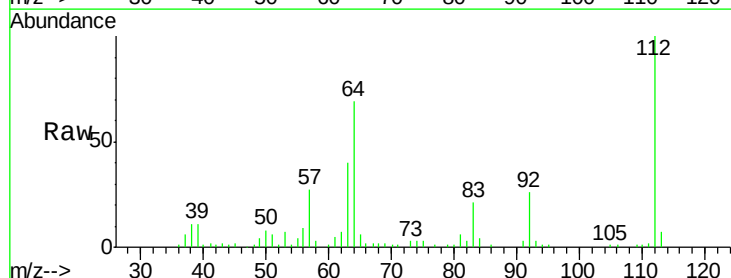
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



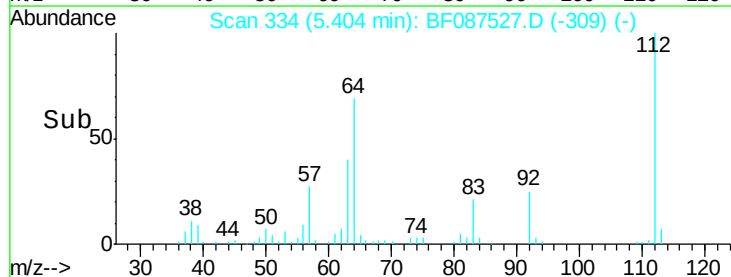
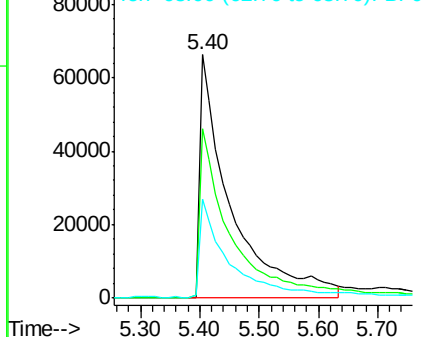
#5

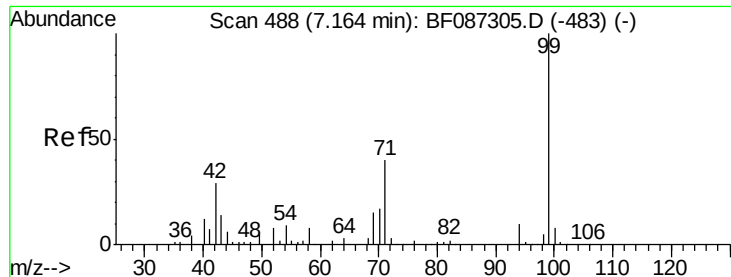
2-Fluorophenol
Concen: 41.63 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.01 min
Lab File: BF087527.D
Acq: 29 May 2016 23:57

Tgt Ion:112 Resp: 241970
Ion Ratio Lower Upper
112 100
64 69.5 52.1 78.1
63 40.4 25.7 38.5#



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: 27.02 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

Instrument :

BNA_F

ClientSampleId :

MW-11

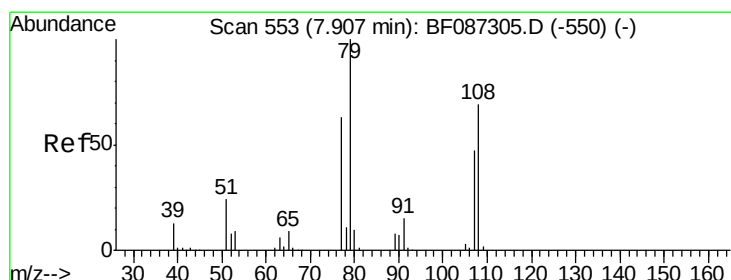
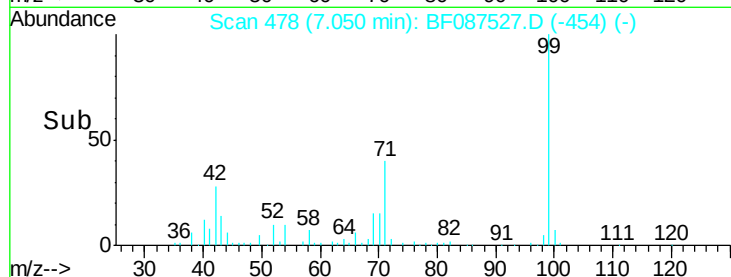
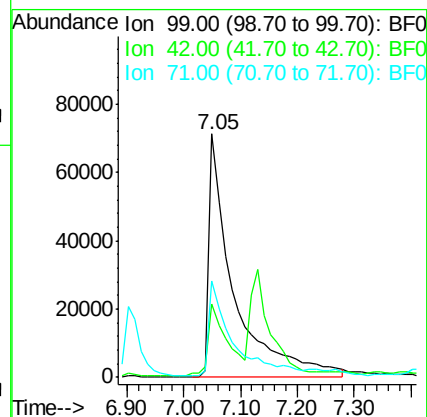
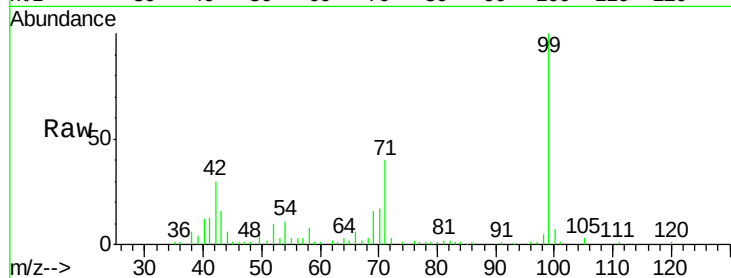
Tgt Ion: 99 Resp: 212203

Ion Ratio Lower Upper

99 100

42 30.3 13.6 20.4#

71 39.7 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.11 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

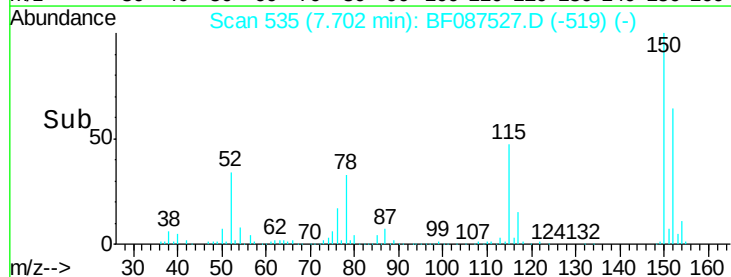
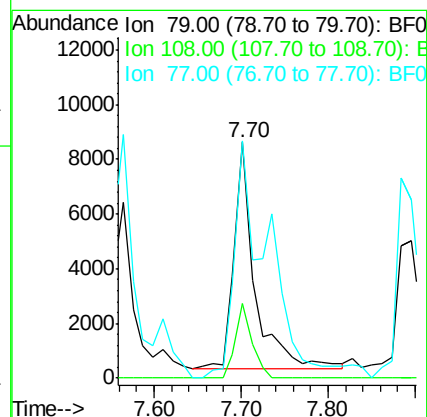
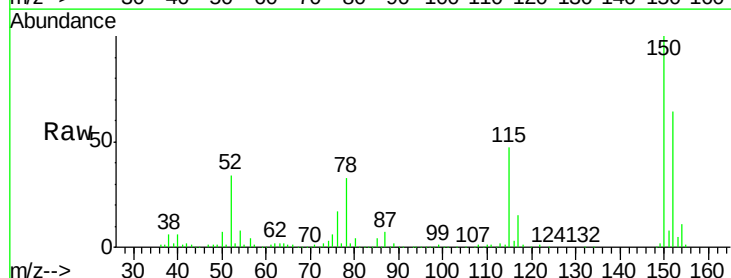
Tgt Ion: 79 Resp: 13620

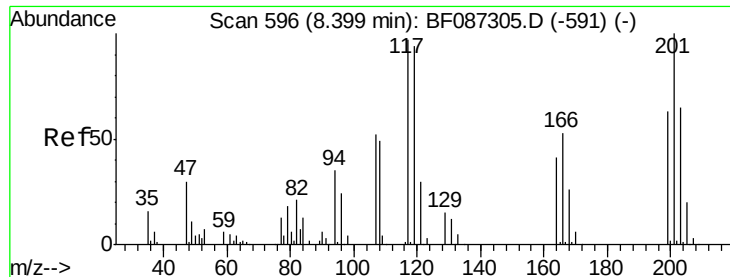
Ion Ratio Lower Upper

79 100

108 31.5 68.4 102.6#

77 101.0 50.6 76.0#

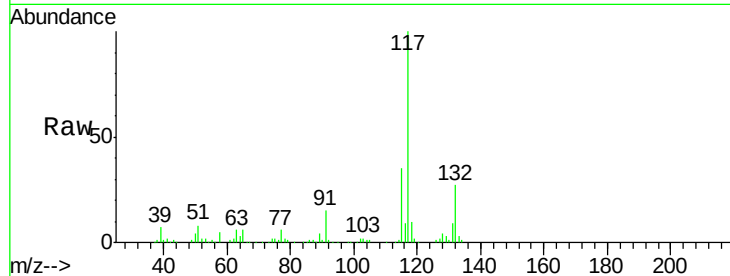




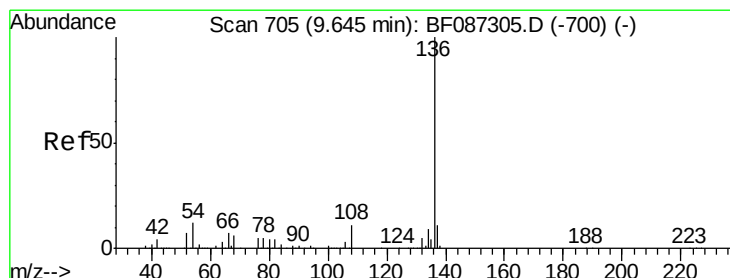
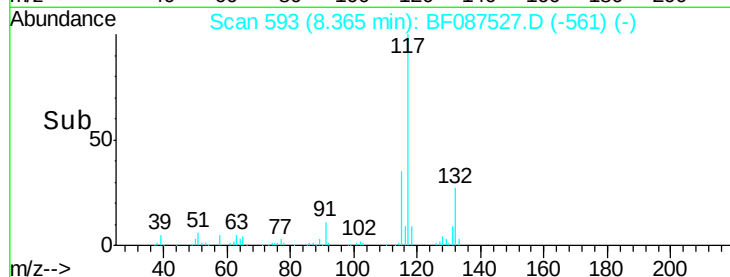
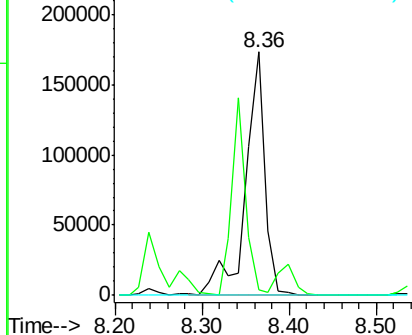
#18
Hexachloroethane
Concen: 89.95 ng
RT: 8.36 min Scan# 593
Delta R.T. 0.07 min
Lab File: BF087527.D
Acq: 29 May 2016 23:57

Instrument :
BNA_F
ClientSampleId :
MW-11

Tgt Ion:117 Resp: 272366
Ion Ratio Lower Upper
117 100
119 2.4 76.5 114.7#
201 0.0 63.0 94.6#

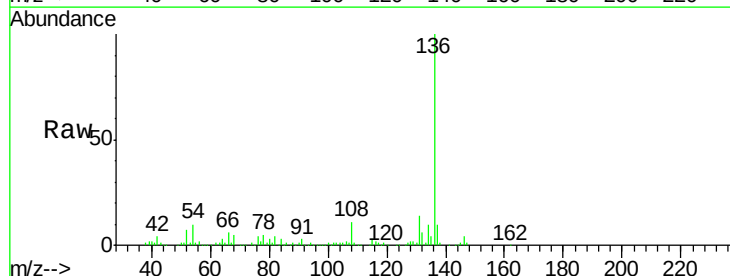


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

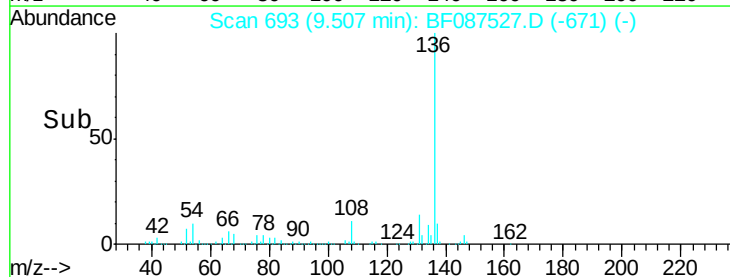
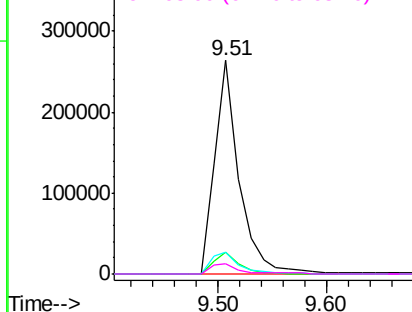


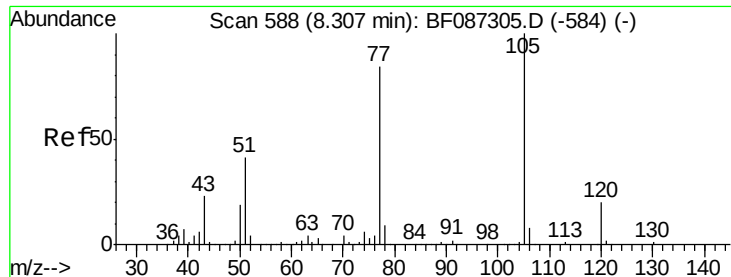
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF087527.D
Acq: 29 May 2016 23:57

Tgt Ion:136 Resp: 413725
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 10.5 5.0 7.4#
68 5.1 4.4 6.6



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





#22

Acetophenone

Concen: 4.07 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.09 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

Instrument :

BNA_F

ClientSampleId :

MW-11

Tgt Ion: 105 Resp: 40207

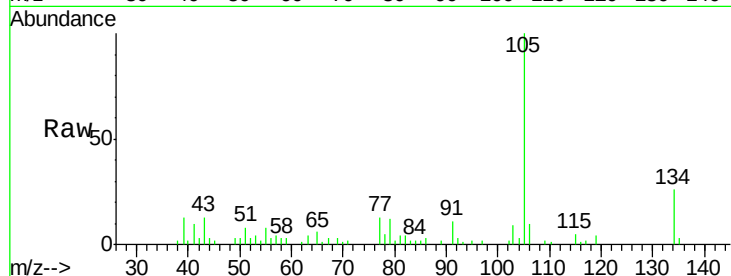
Ion Ratio Lower Upper

105 100

71 2.1 4.8 7.2#

51 8.5 32.6 49.0#

120 0.0 16.5 24.7#

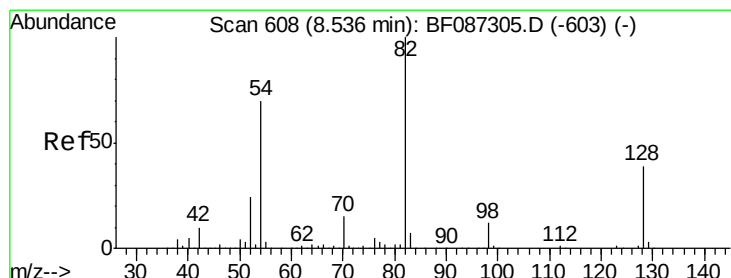
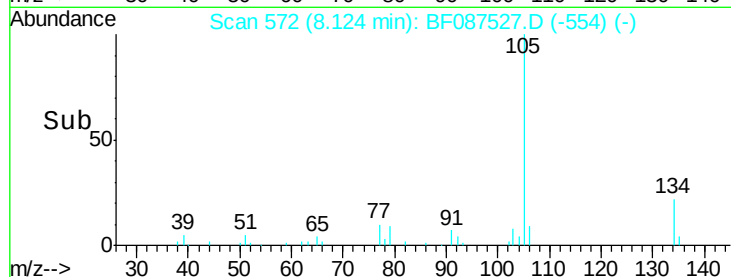
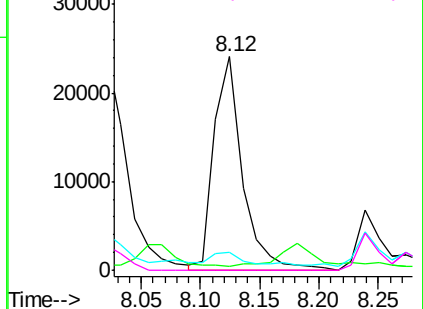


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 76.32 ng

RT: 8.39 min Scan# 595

Delta R.T. -0.06 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

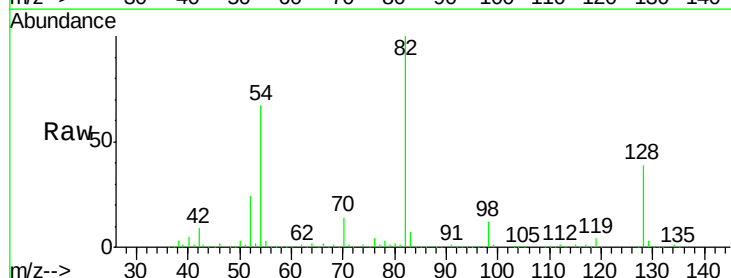
Tgt Ion: 82 Resp: 626503

Ion Ratio Lower Upper

82 100

128 38.8 40.6 61.0#

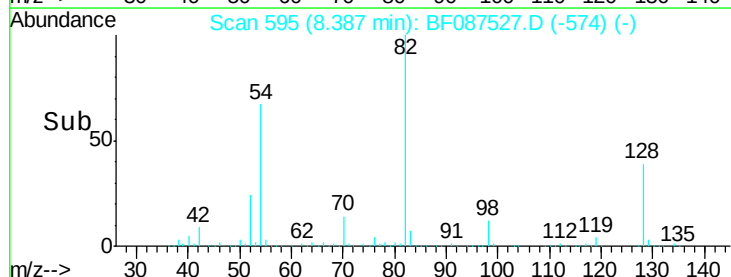
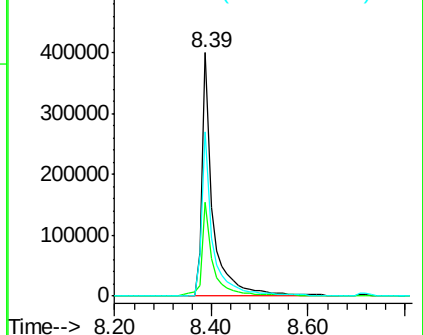
54 67.4 38.1 57.1#

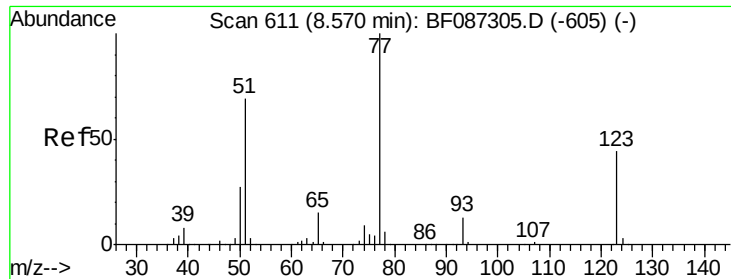


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

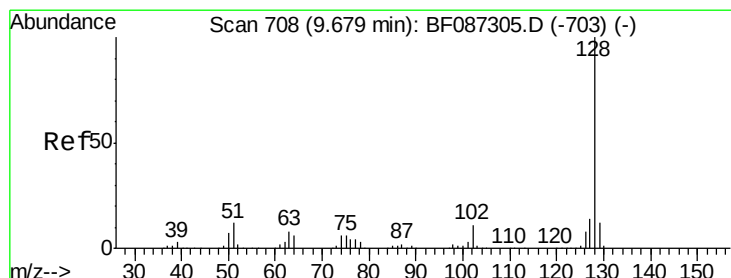
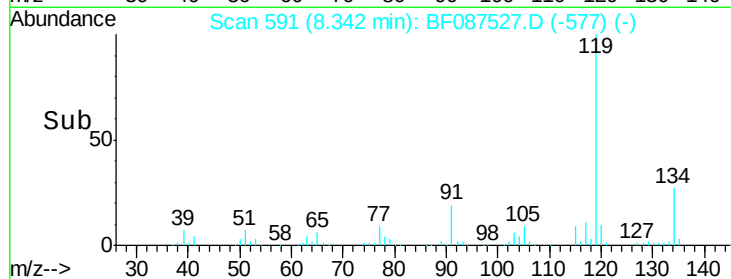
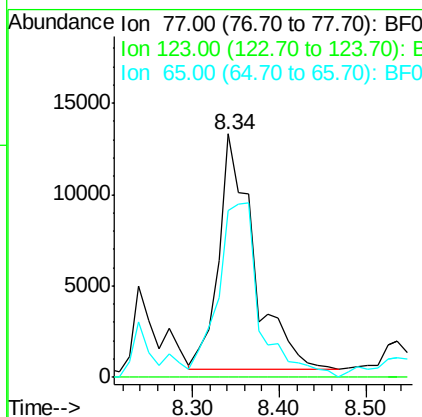
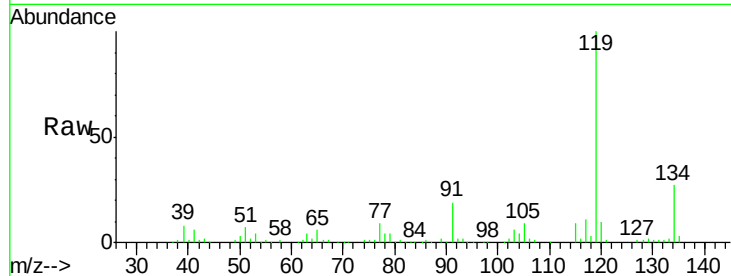




#24
 Nitrobenzene
 Concen: 4.21 ng
 RT: 8.34 min Scan# 591
 Delta R.T. -0.14 min
 Lab File: BF087527.D
 Acq: 29 May 2016 23:57

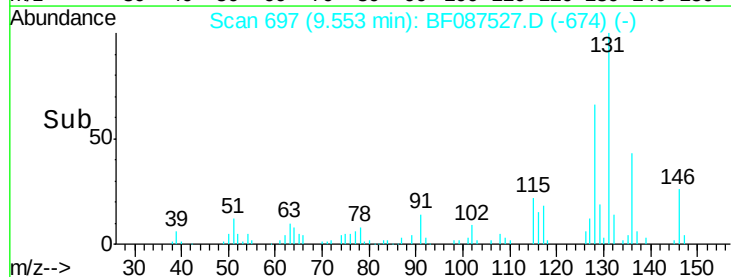
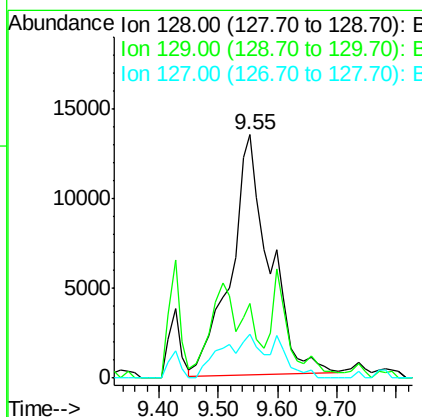
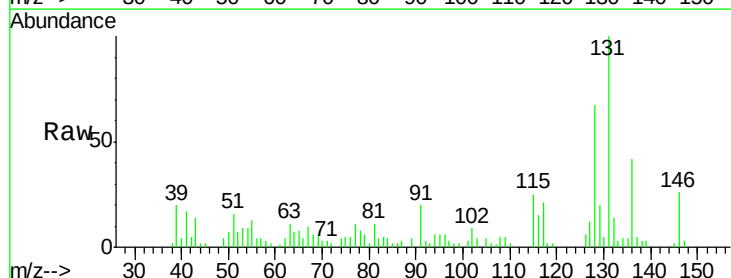
Instrument :
 BNA_F
 ClientSampleId :
 MW-11

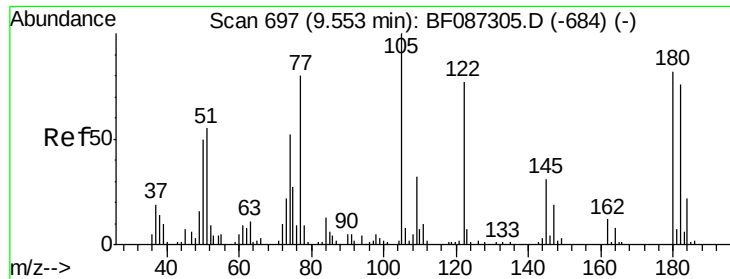
Tgt Ion: 77 Resp: 36461
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 68.6 10.8 16.2#



#31
 Naphthalene
 Concen: 2.92 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF087527.D
 Acq: 29 May 2016 23:57

Tgt Ion: 128 Resp: 60478
 Ion Ratio Lower Upper
 128 100
 129 30.5 8.6 13.0#
 127 18.1 10.8 16.2#





#32

Benzoic acid

Concen: 5.90 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.18 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

Instrument :

BNA_F

ClientSampleId :

MW-11

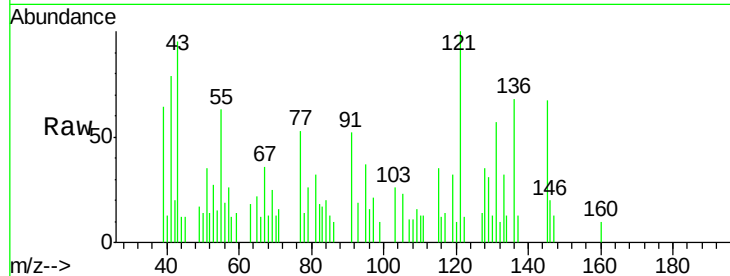
Tgt Ion:122 Resp: 257

Ion Ratio Lower Upper

122 100

105 194.9 92.6 132.6#

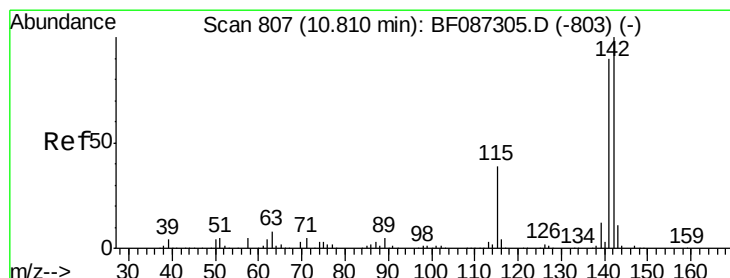
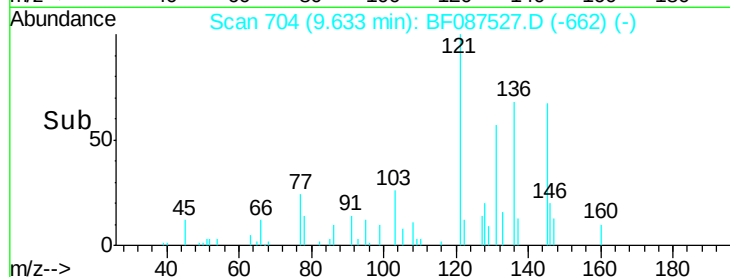
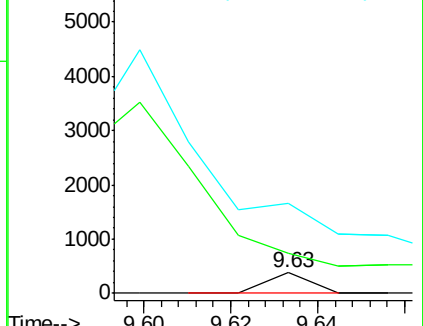
77 444.5 60.0 100.0#



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



#37

2-Methylnaphthalene

Concen: 2.75 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.03 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

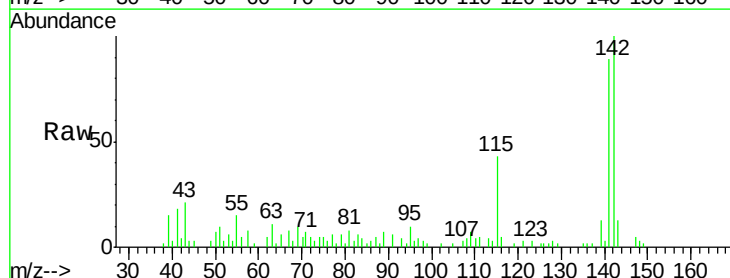
Tgt Ion:142 Resp: 35608

Ion Ratio Lower Upper

142 100

141 89.2 71.0 106.6

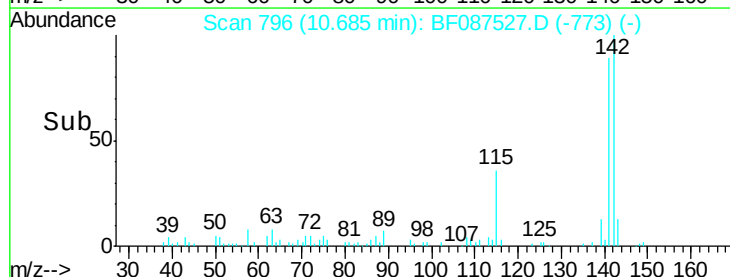
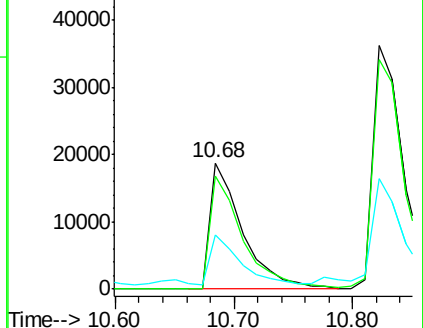
115 42.9 26.6 39.8#

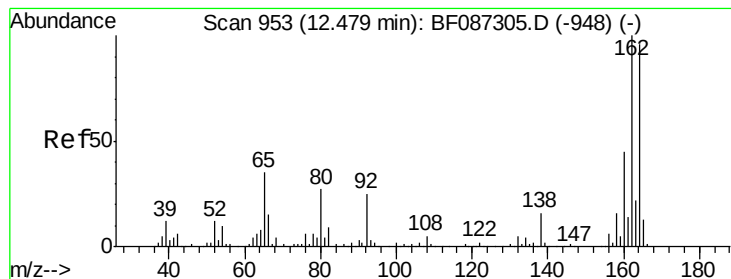


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

Instrument :

BNA_F

ClientSampleId :

MW-11

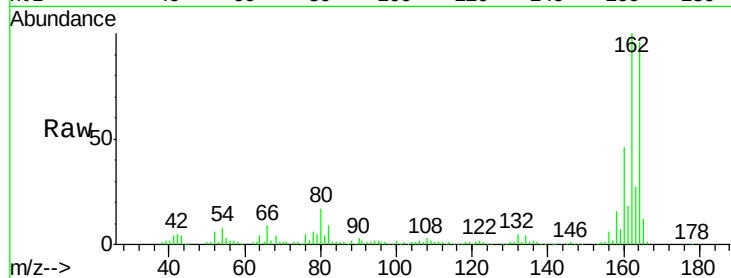
Tgt Ion:164 Resp: 196606

Ion Ratio Lower Upper

164 100

162 104.2 82.8 124.2

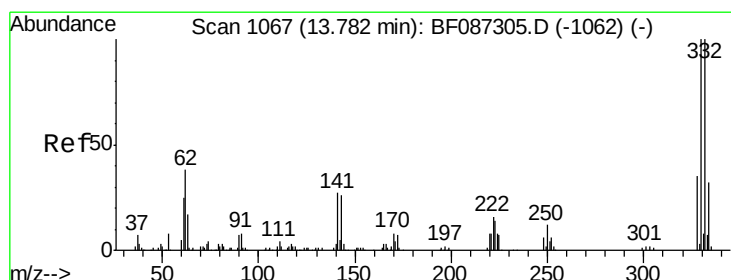
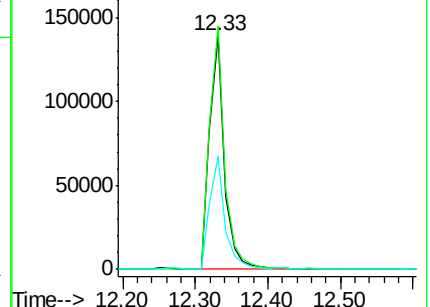
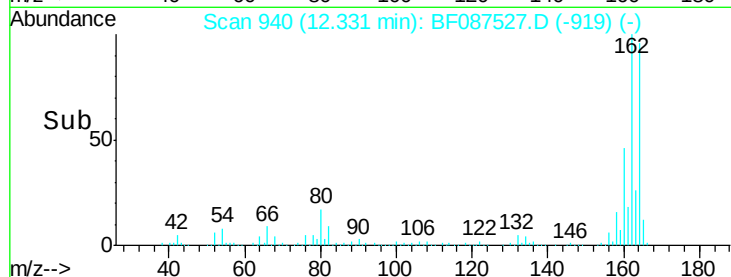
160 48.1 36.9 55.3



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: 96.55 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.06 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

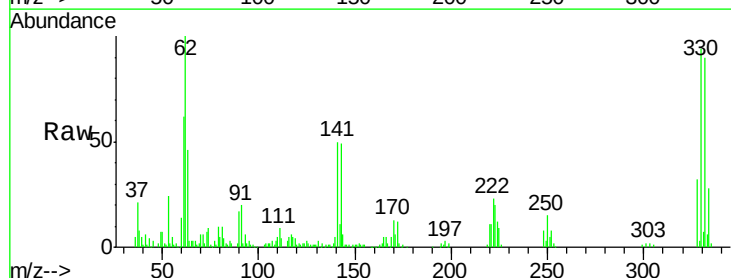
Tgt Ion:330 Resp: 182424

Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

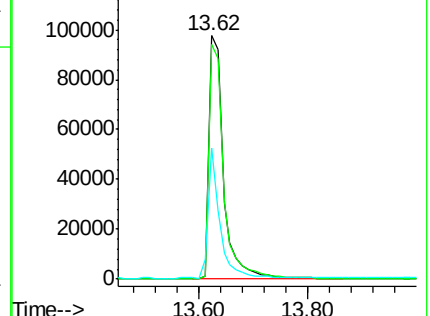
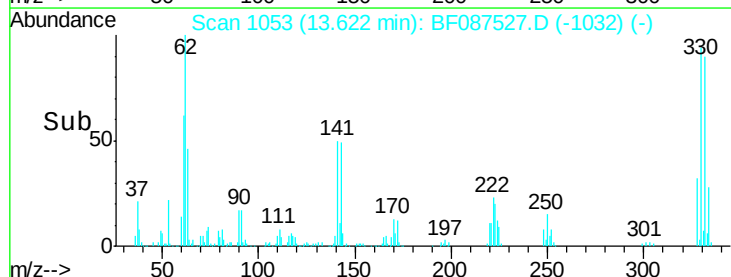
141 44.8 31.2 46.8

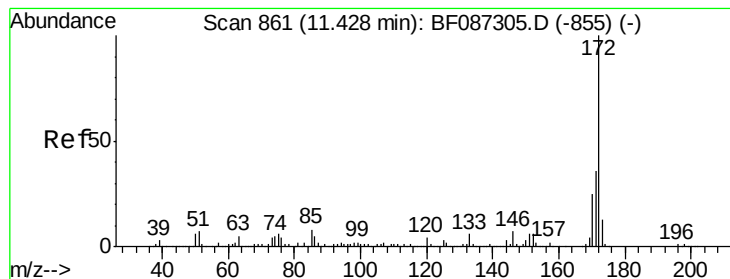


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 74.26 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

Instrument :

BNA_F

ClientSampleId :

MW-11

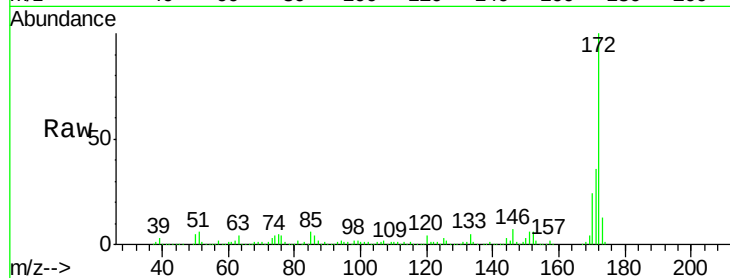
Tgt Ion:172 Resp: 1035593

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.6

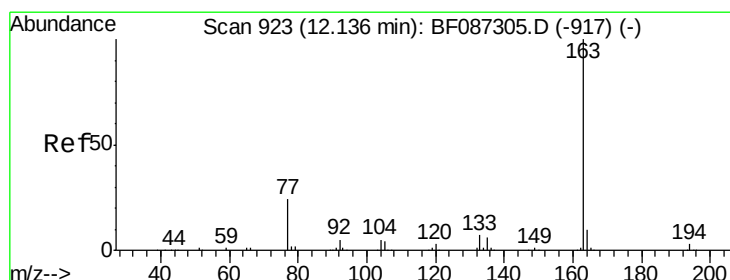
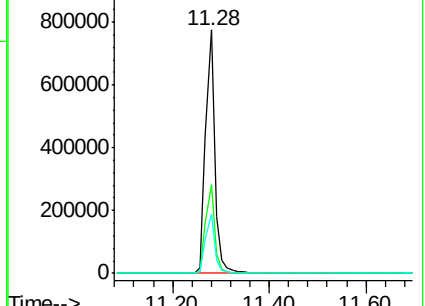
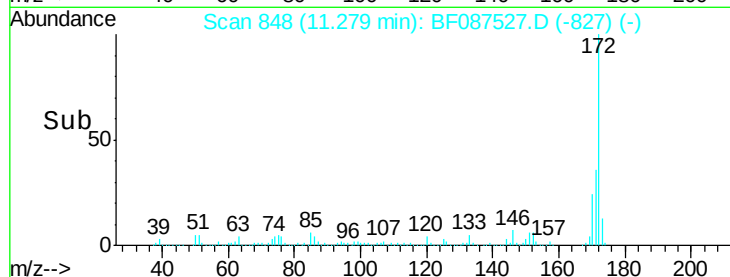
170 24.3 19.8 29.8



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: 6.13 ng

RT: 11.99 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

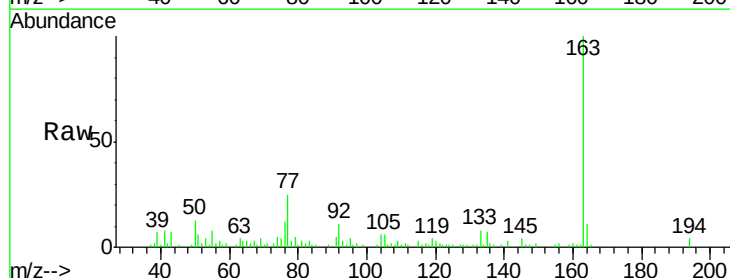
Tgt Ion:163 Resp: 96479

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

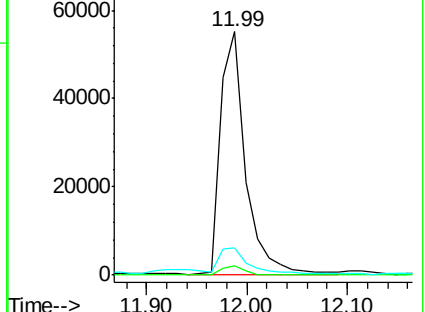
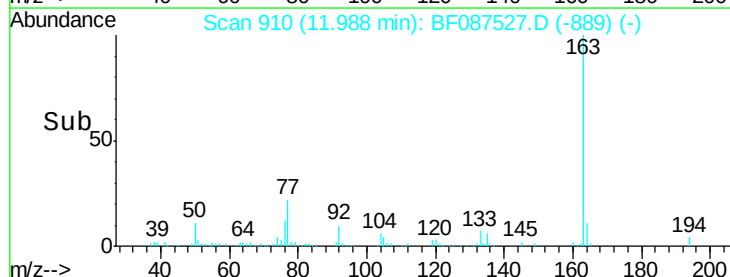
164 11.0 8.2 12.4

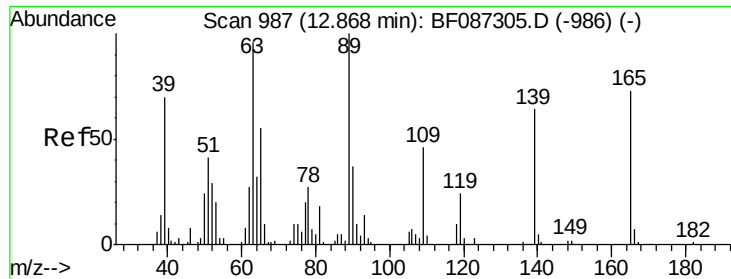


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

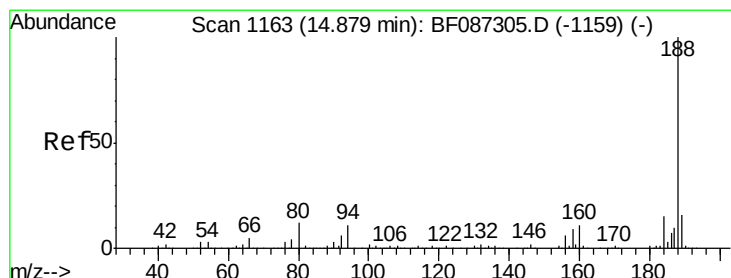
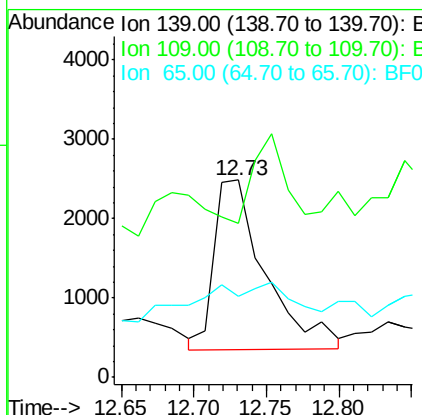
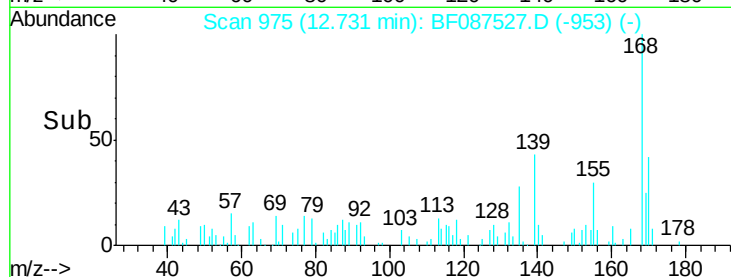
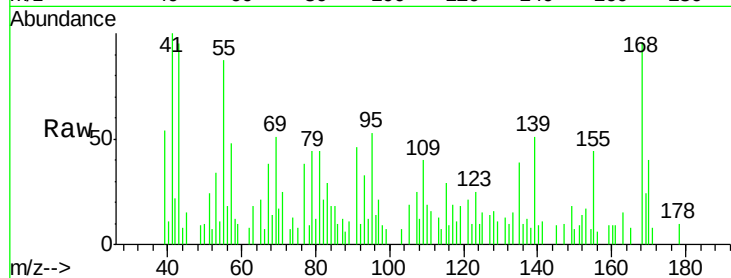




#55
 4-Nitrophenol
 Concen: 3.38 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.05 min
 Lab File: BF087527.D
 Acq: 29 May 2016 23:57

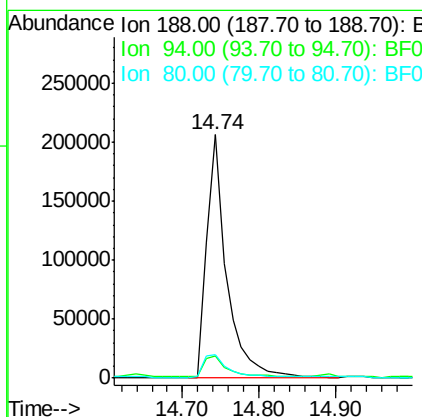
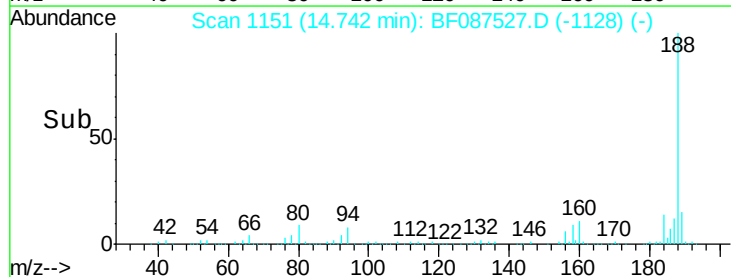
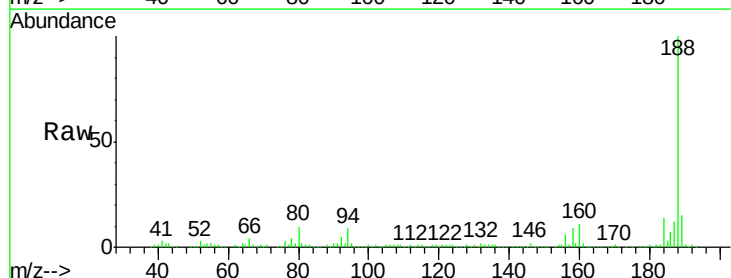
Instrument :
 BNA_F
 ClientSampleId :
 MW-11

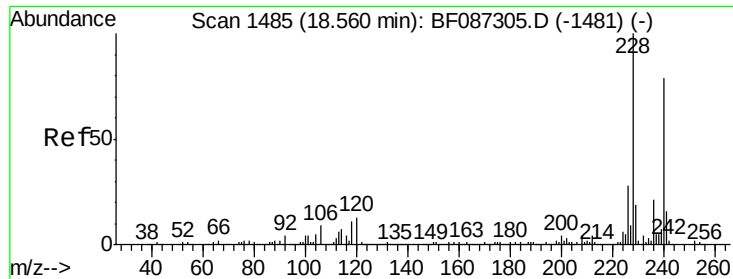
Tgt Ion:139 Resp: 5246
 Ion Ratio Lower Upper
 139 100
 109 77.8 36.9 76.9#
 65 41.1 64.0 104.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF087527.D
 Acq: 29 May 2016 23:57

Tgt Ion:188 Resp: 371899
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.8 10.2
 80 9.6 7.1 10.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

Instrument :

BNA_F

ClientSampleId :

MW-11

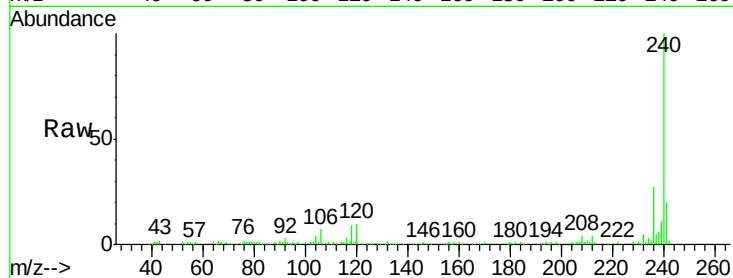
Tgt Ion:240 Resp: 267714

Ion Ratio Lower Upper

240 100

120 9.8 11.2 16.8#

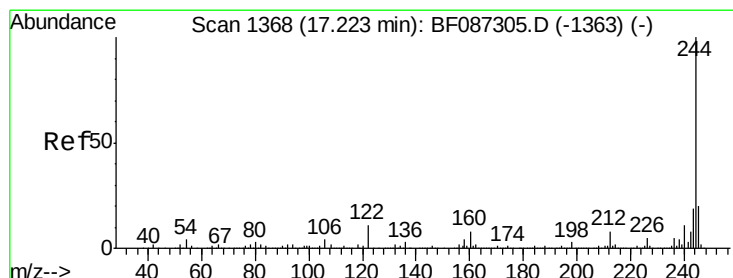
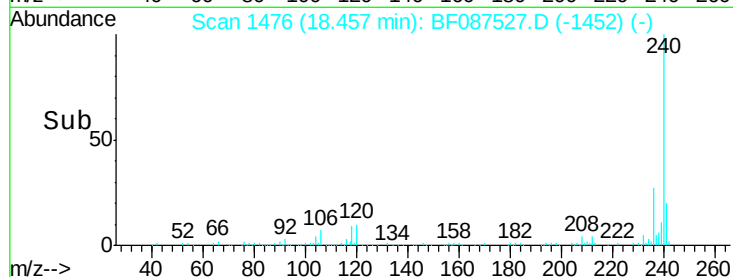
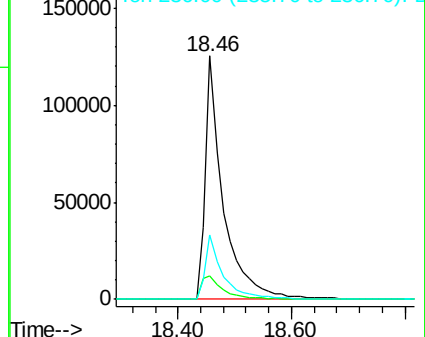
236 26.7 21.2 31.8



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: 70.31 ng

RT: 17.09 min Scan# 1356

Delta R.T. -0.05 min

Lab File: BF087527.D

Acq: 29 May 2016 23:57

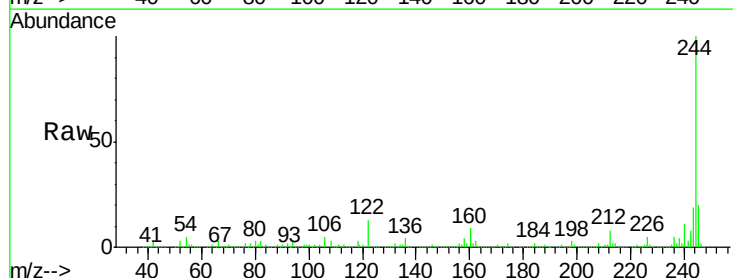
Tgt Ion:244 Resp: 885322

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

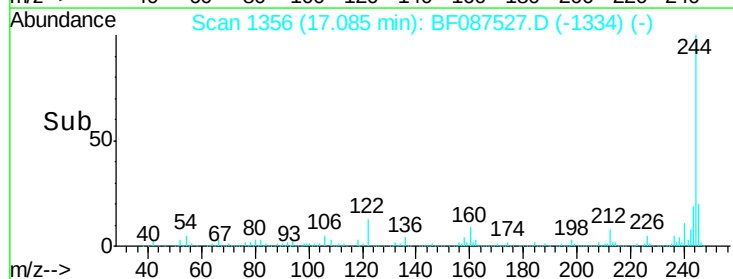
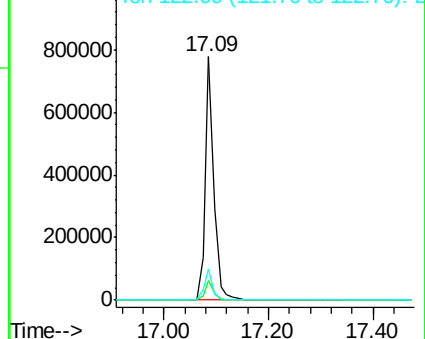
122 12.8 12.0 18.0

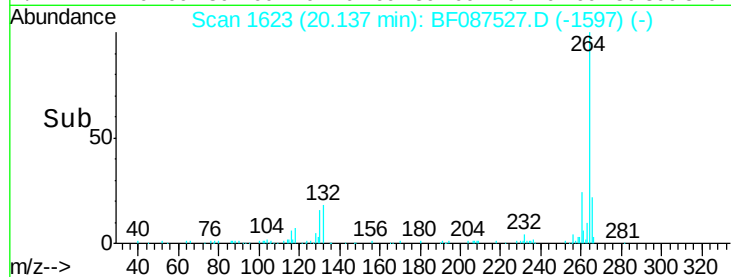
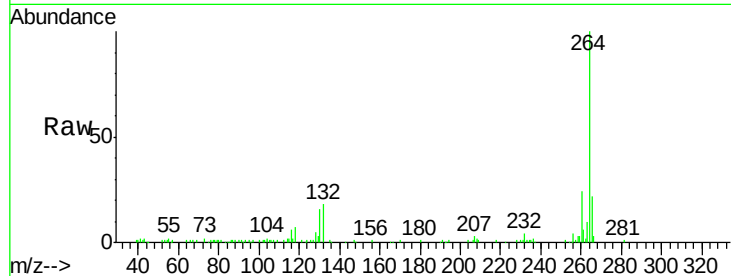
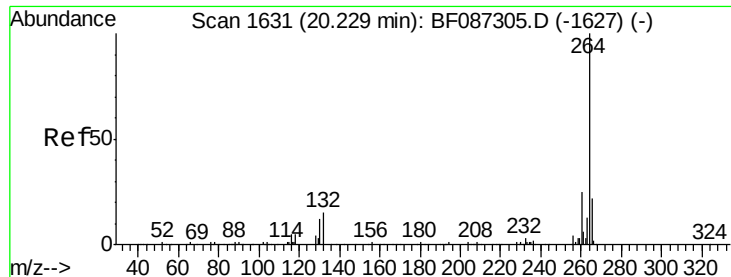


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.14 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BF087527.D
Acq: 29 May 2016 23:57

Instrument :
BNA_F
ClientSampleId :
MW-11

Tgt Ion:	264	Resp:	206935
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	22.0	17.3	25.9

