

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061016\
 Data File : BF087898.D
 Acq On : 11 Jun 2016 3:25
 Operator : UM/SJ
 Sample : H3440-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PW-03

Quant Time: Jun 11 04:03:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

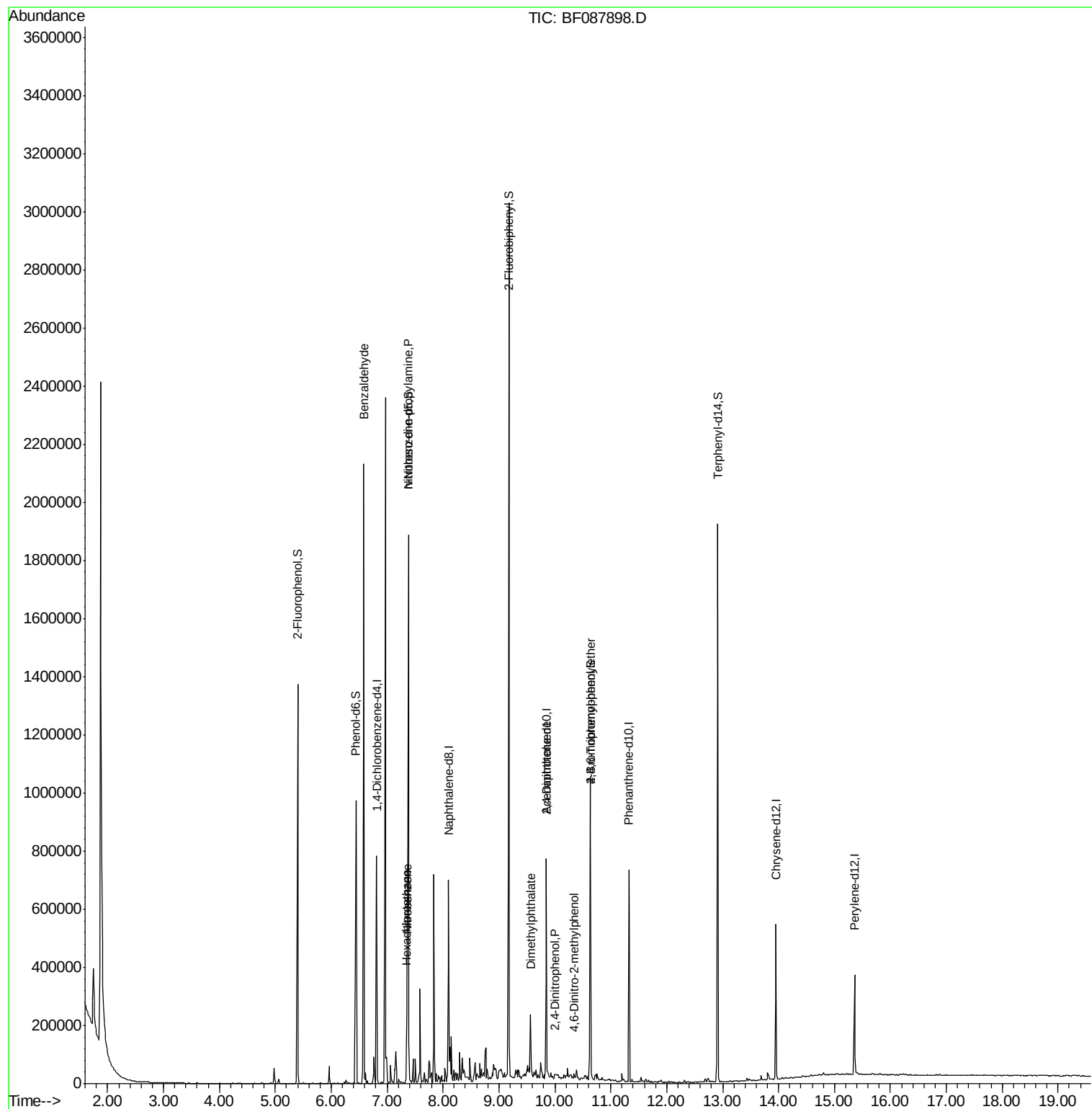
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	106679	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	352740	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	154224	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	240404	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	205504	20.00	ng	-0.03
86) Perylene-d12	15.36	264	149884	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	421510	67.55	ng	-0.02
7) Phenol-d6	6.44	99	363292	48.04	ng	-0.03
23) Nitrobenzene-d5	7.38	82	628187	103.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	180924	111.10	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	869655	88.83	ng	-0.03
78) Terphenyl-d14	12.91	244	775884	85.91	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.58	77	15325	2.85	ng	# 76
10) Phenol	6.46	94	955	Below Cal	#	48
18) Hexachloroethane	7.35	117	52390	18.49	ng	# 28
19) n-Nitroso-di-n-propylamine	7.38	70	84611	17.49	ng	# 72
24) Nitrobenzene	7.36	77	14966	2.56	ng	# 15
45) 1,1'-Biphenyl	9.18	154	1760	Below Cal	#	1
49) Dimethylphthalate	9.56	163	78560	7.03	ng	100
53) 2,4-Dinitrophenol	10.00	184	389	3.45	ng	# 15
56) 2,4-Dinitrotoluene	9.85	165	20811	6.33	ng	# 41
57) Fluorene	10.39	166	5006	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.35	198	450	2.45	ng	# 46
66) 4-Bromophenyl-phenylether	10.64	248	11499	4.46	ng	# 1

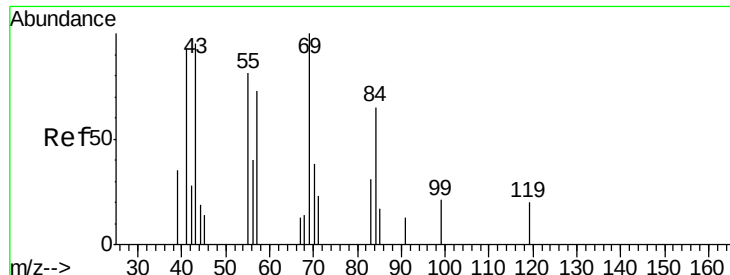
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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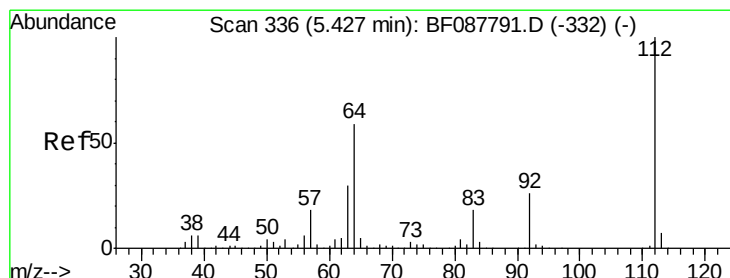
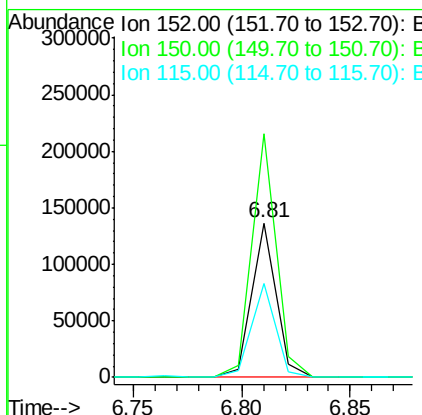
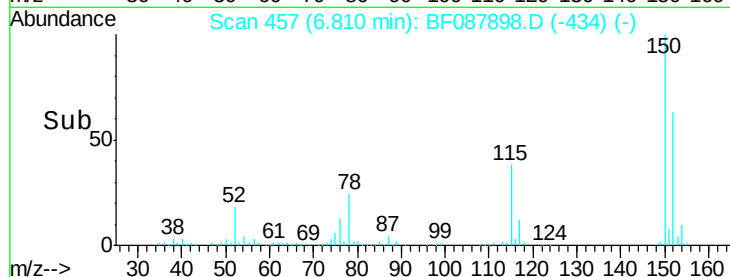
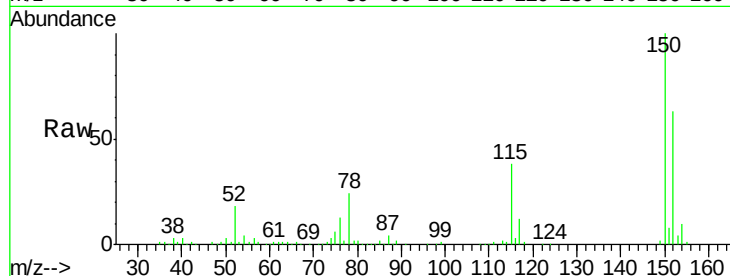




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

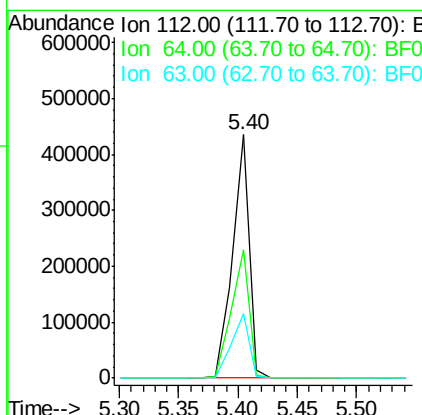
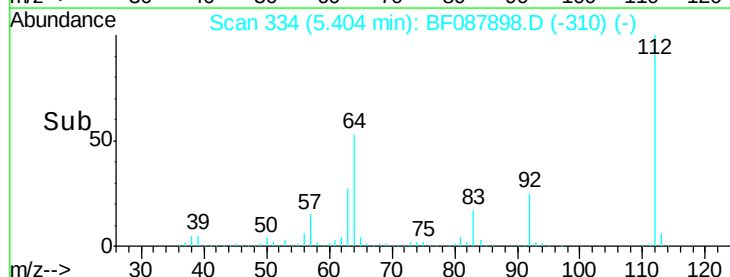
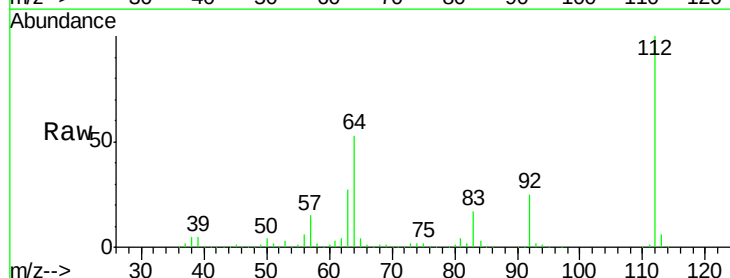
Instrument :
 BNA_F
 ClientSampleId :
 PW-03

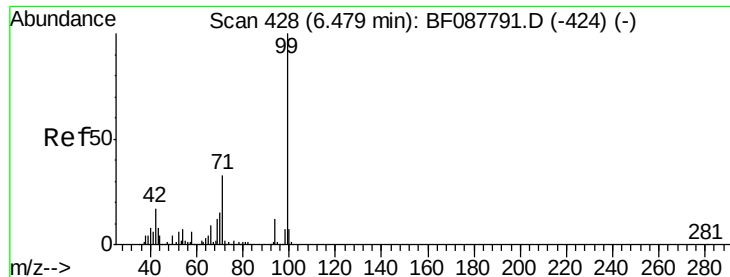
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.8	185.6
115	60.6	39.6	59.4



#5
 2-Fluorophenol
 Concen: 67.55 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.2	63.2
63	26.6	21.8	32.8





#7

Phenol-d6

Concen: 48.04 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

Instrument :

BNA_F

ClientSampled :

PW-03

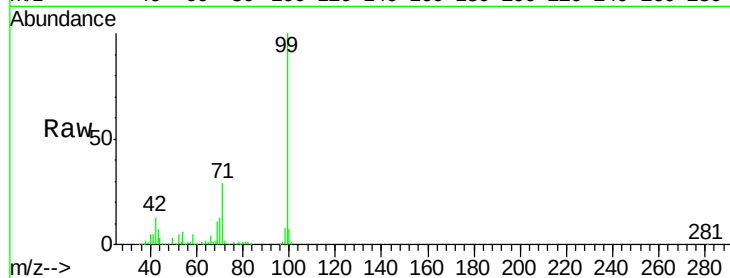
Tgt Ion: 99 Resp: 363292

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.2

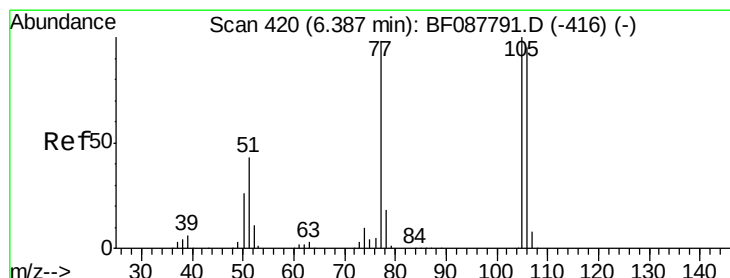
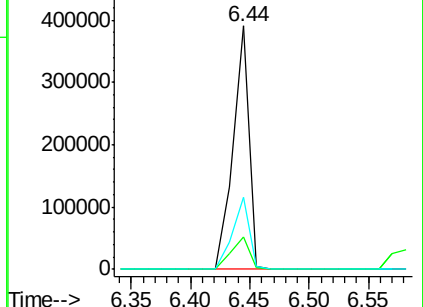
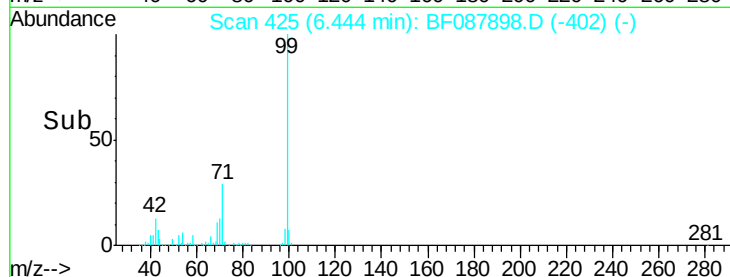
71 29.4 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.85 ng

RT: 6.58 min Scan# 437

Delta R.T. 0.19 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

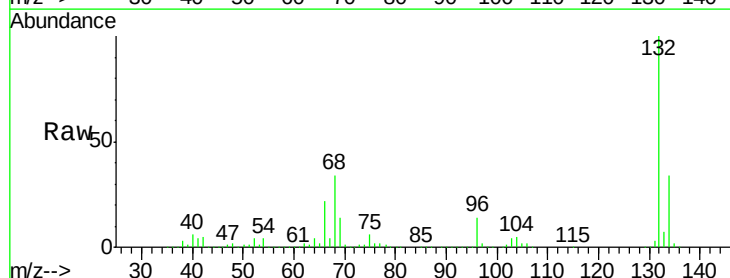
Tgt Ion: 77 Resp: 15325

Ion Ratio Lower Upper

77 100

105 90.2 90.6 130.6#

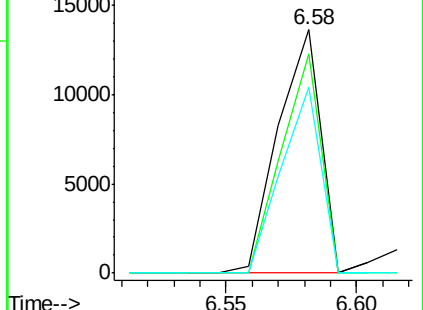
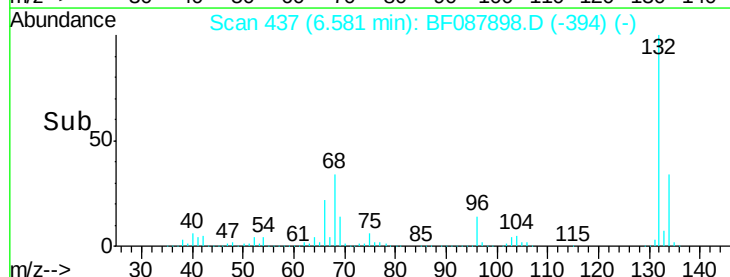
106 76.2 85.3 125.3#

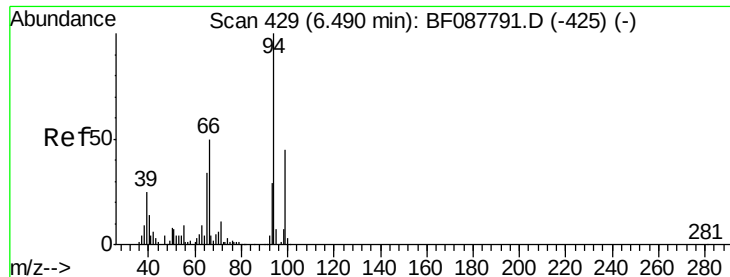


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

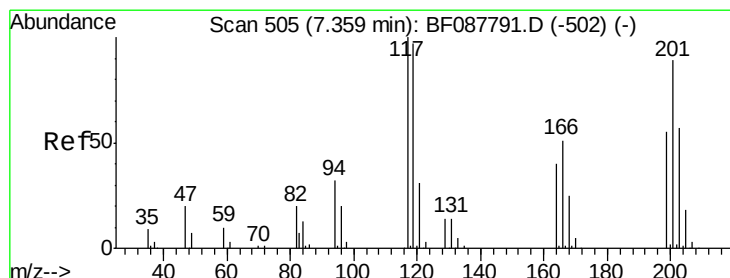
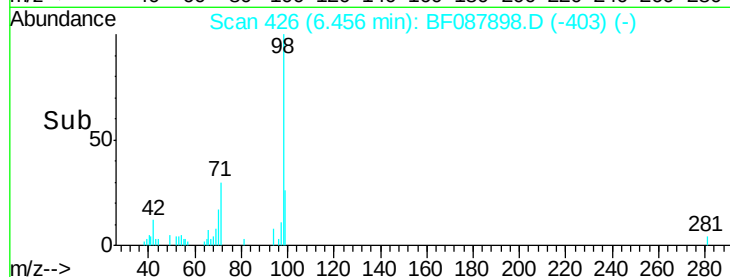
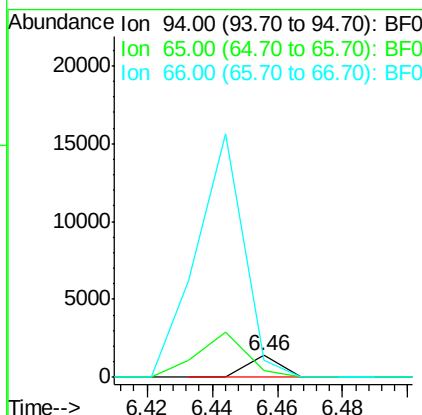
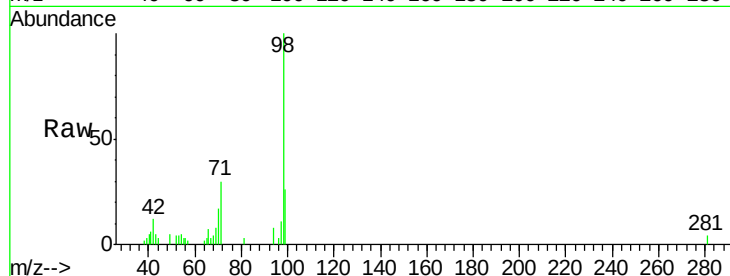




#10
Phenol
Concen: Below Cal
RT: 6.46 min Scan# 426
Delta R.T. -0.03 min
Lab File: BF087898.D
Acq: 11 Jun 2016 3:25

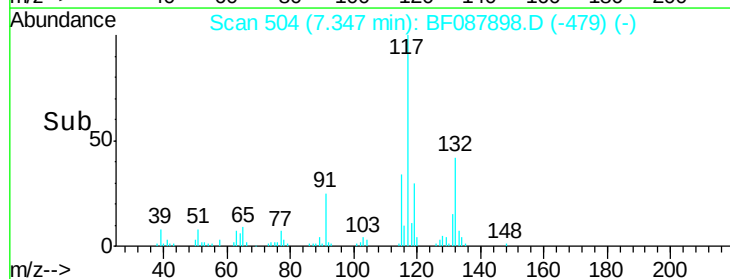
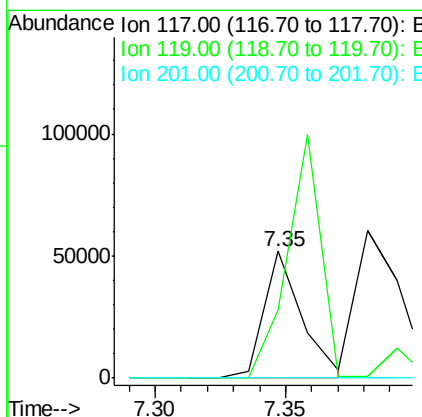
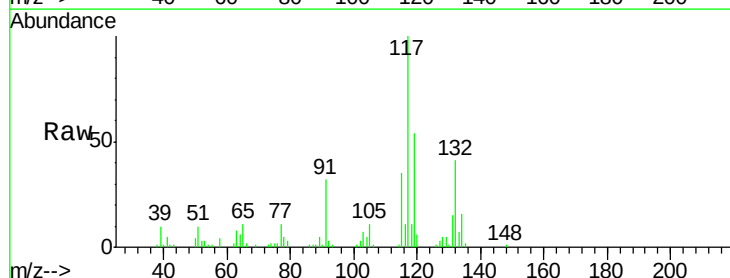
Instrument :
BNA_F
ClientSampleId :
PW-03

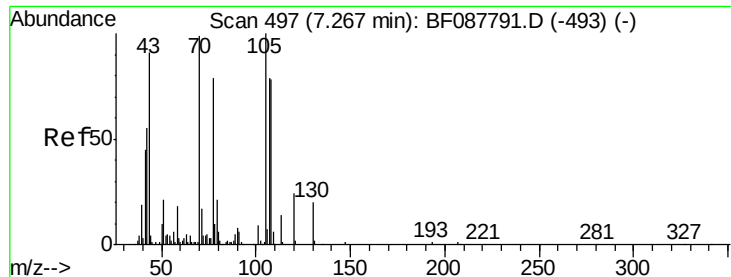
Tgt Ion: 94 Resp: 955
Ion Ratio Lower Upper
94 100
65 34.0 5.9 45.9
66 79.8 14.0 54.0#



#18
Hexachloroethane
Concen: 18.49 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.01 min
Lab File: BF087898.D
Acq: 11 Jun 2016 3:25

Tgt Ion: 117 Resp: 52390
Ion Ratio Lower Upper
117 100
119 54.4 77.4 116.2#
201 0.0 80.4 120.6#





#19

n-Nitroso-di-n-propylamine

Concen: 17.49 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

Instrument :

BNA_F

ClientSampleId :

PW-03

Tgt Ion: 70 Resp: 84611

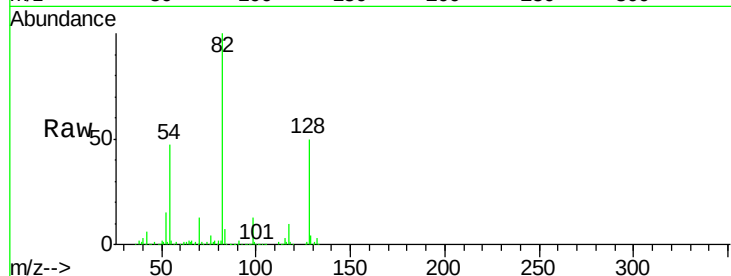
Ion Ratio Lower Upper

70 100

42 41.4 49.6 74.4#

101 0.4 7.1 10.7#

130 3.1 15.4 23.2#

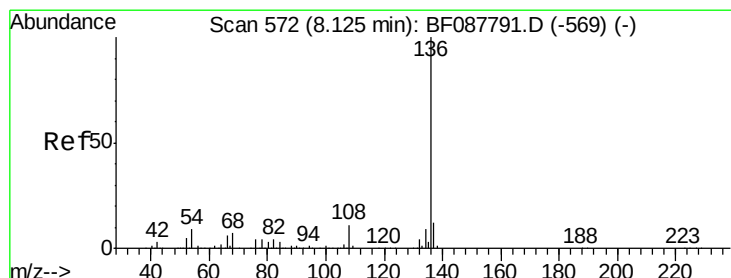
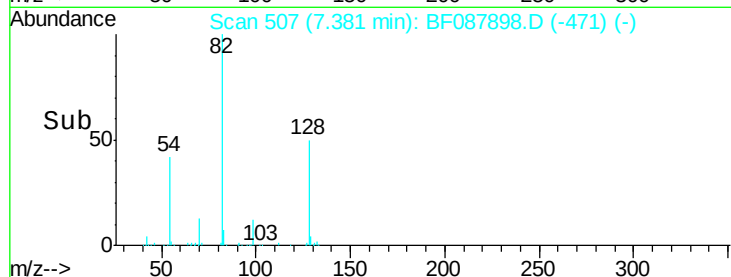
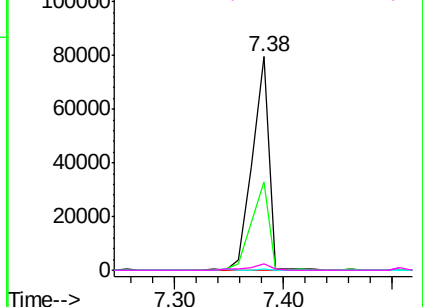


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

Tgt Ion: 136 Resp: 352740

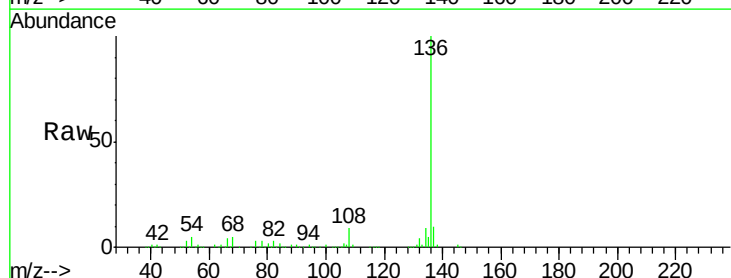
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 5.4 6.6 10.0#

68 4.5 5.1 7.7#

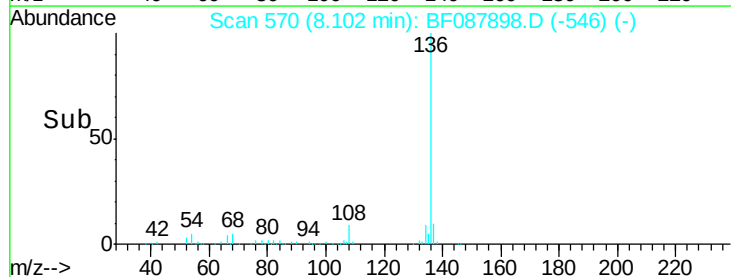
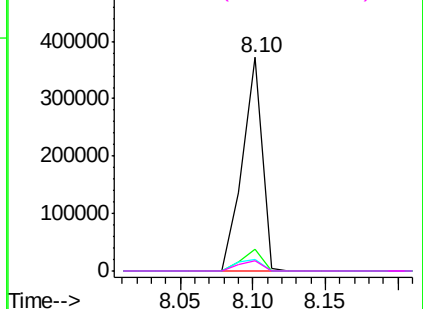


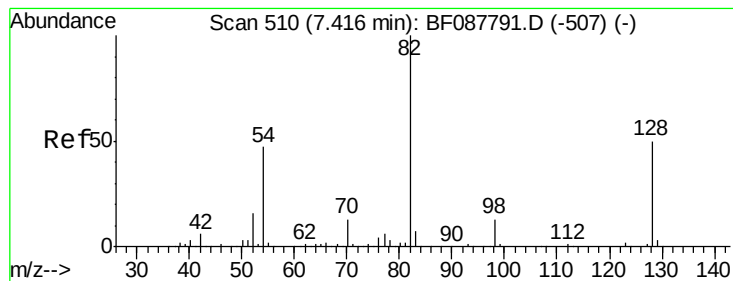
Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.99 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

Instrument :

BNA_F

ClientSampleId :

PW-03

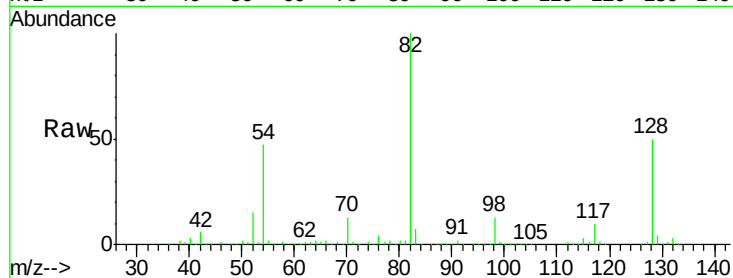
Tgt Ion: 82 Resp: 628187

Ion Ratio Lower Upper

82 100

128 50.0 35.9 53.9

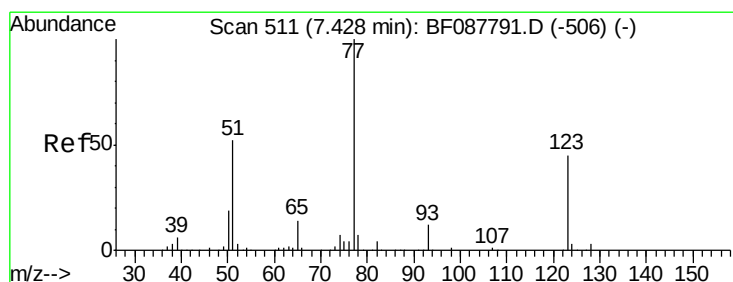
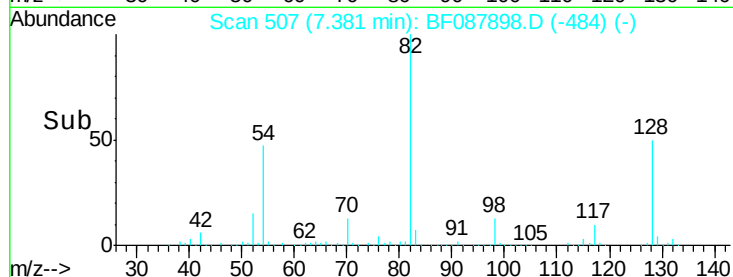
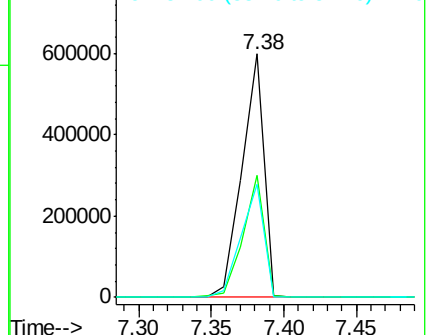
54 46.6 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.56 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.07 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

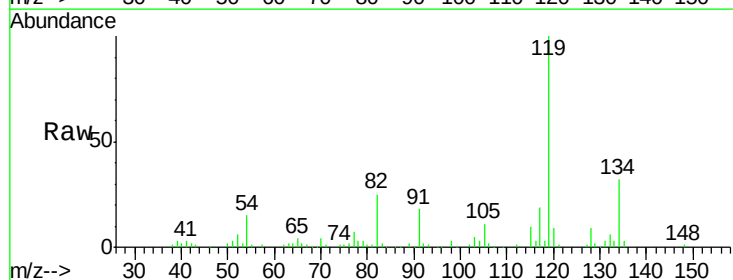
Tgt Ion: 77 Resp: 14966

Ion Ratio Lower Upper

77 100

123 0.0 45.0 67.4#

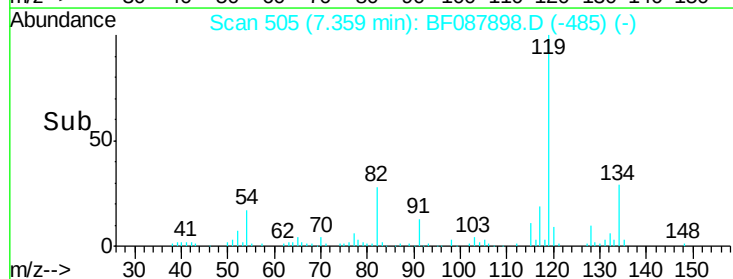
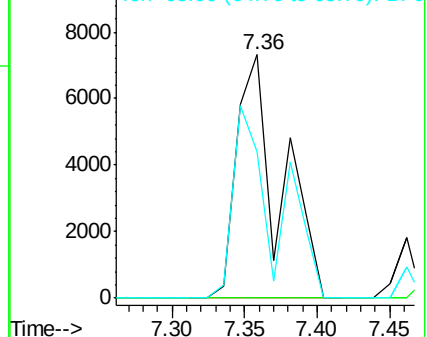
65 59.9 10.2 15.2#

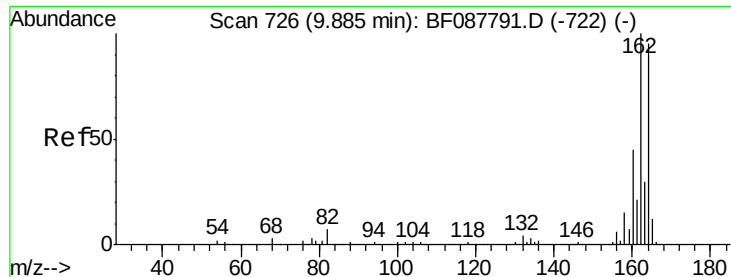


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

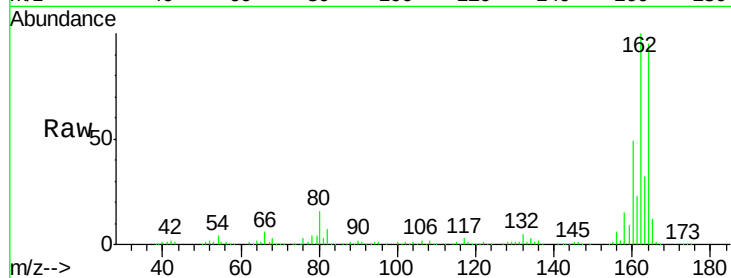




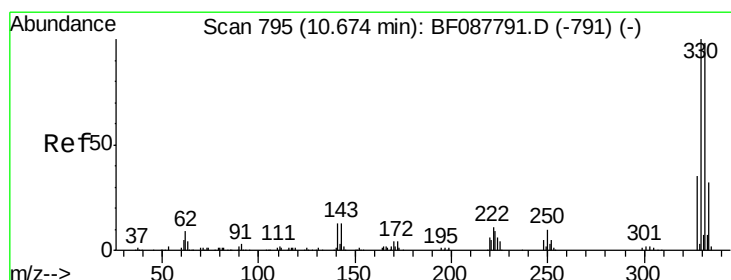
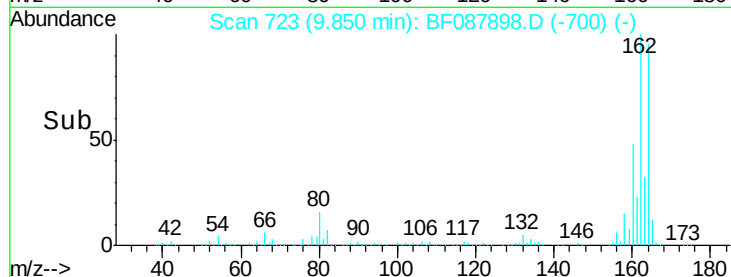
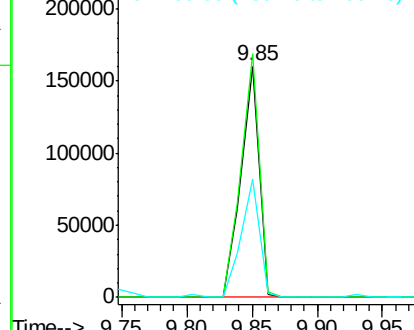
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Instrument :
 BNA_F
 ClientSampleId :
 PW-03

Tgt Ion:164 Resp: 154224
 Ion Ratio Lower Upper
 164 100
 162 105.3 85.4 128.2
 160 51.2 39.5 59.3

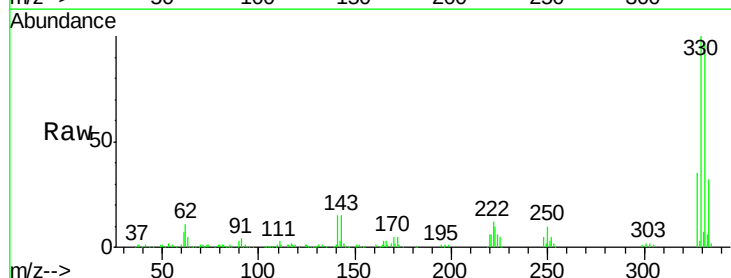


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

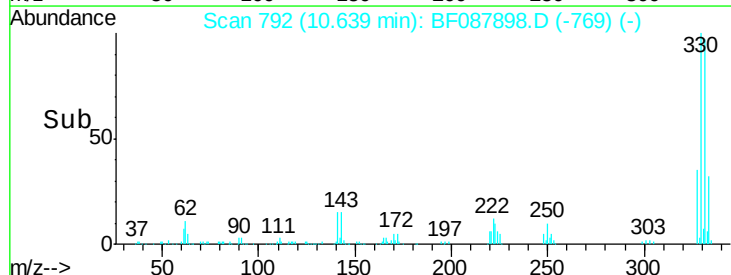
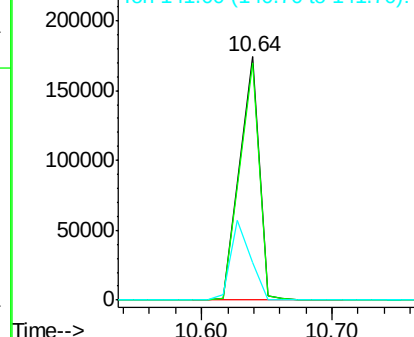


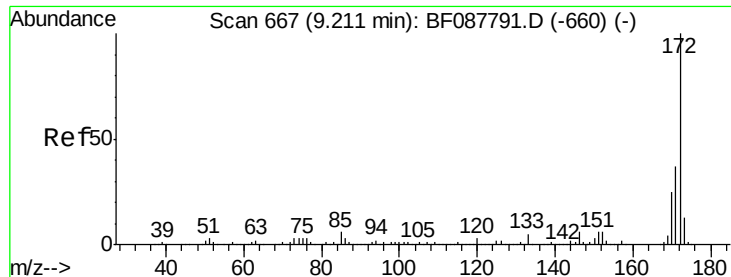
#41
 2,4,6-Tribromophenol
 Concen: 111.10 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Tgt Ion:330 Resp: 180924
 Ion Ratio Lower Upper
 330 100
 332 97.3 0.0 0.0#
 141 33.7 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

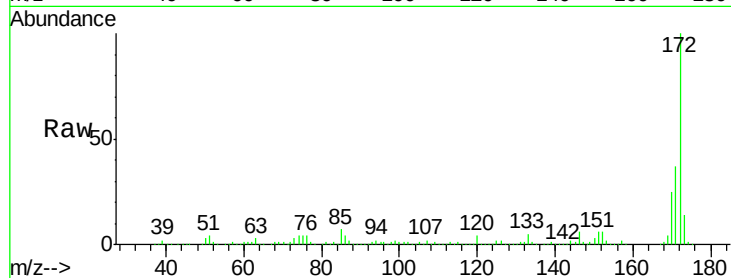




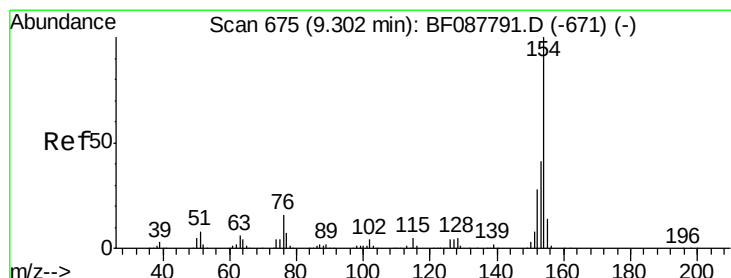
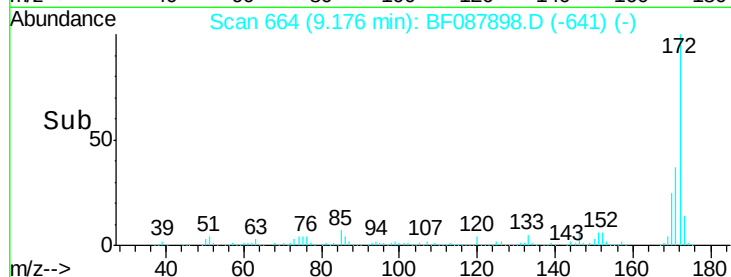
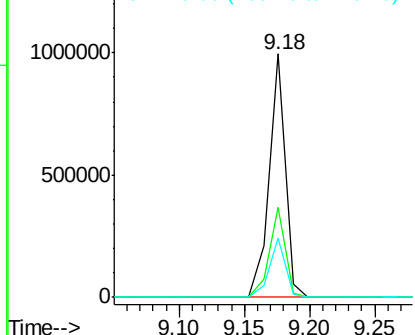
#44
 2-Fluorobiphenyl
 Concen: 88.83 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Instrument :
 BNA_F
 ClientSampleId :
 PW-03

Tgt Ion:172 Resp: 869655
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.6 43.0
 170 24.6 19.2 28.8

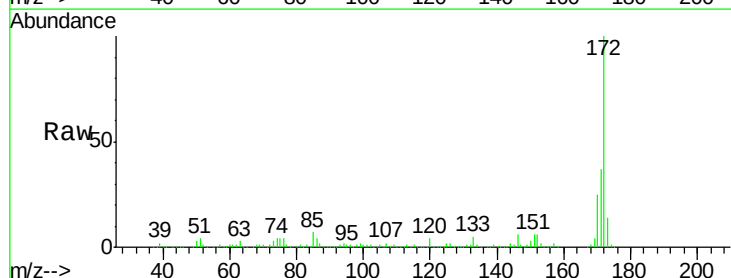


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

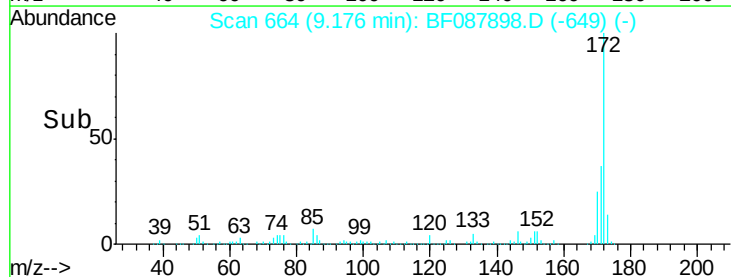
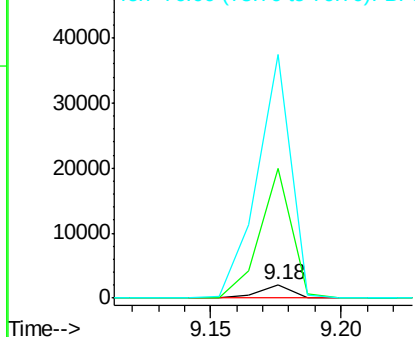


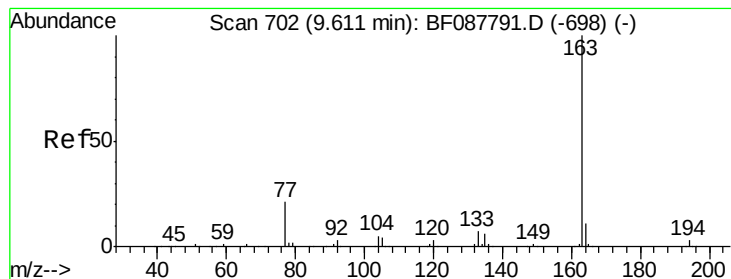
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.13 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Tgt Ion:154 Resp: 1760
 Ion Ratio Lower Upper
 154 100
 153 961.1 20.6 60.6#
 76 1812.2 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: 7.03 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

Instrument :

BNA_F

ClientSampleId :

PW-03

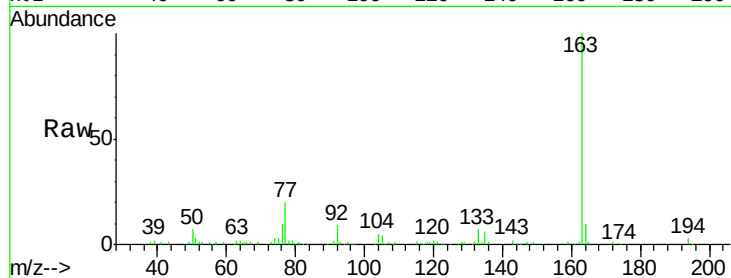
Tgt Ion:163 Resp: 78560

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

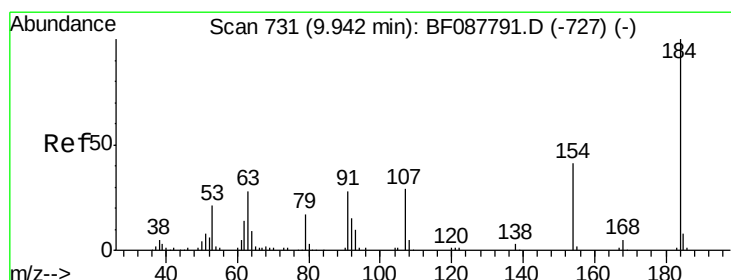
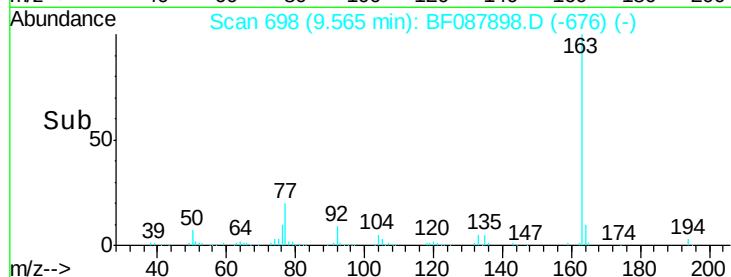
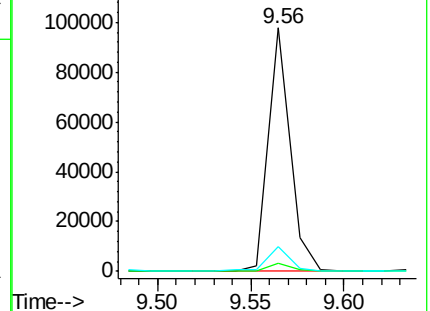
164 10.4 8.3 12.5



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



#53

2,4-Dinitrophenol

Concen: 3.45 ng

RT: 10.00 min Scan# 736

Delta R.T. 0.06 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

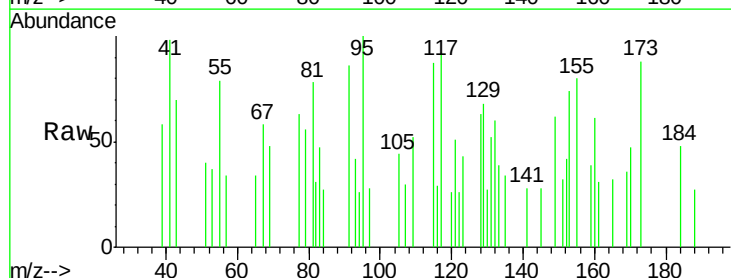
Tgt Ion:184 Resp: 389

Ion Ratio Lower Upper

184 100

63 0.0 57.6 86.4#

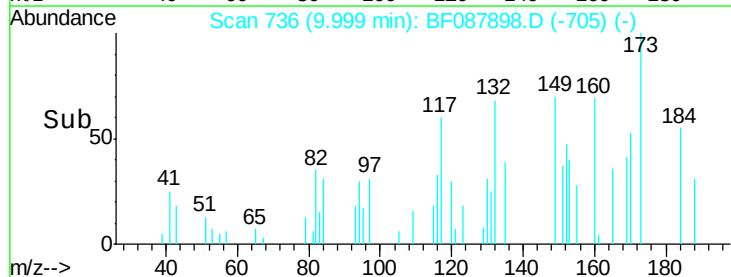
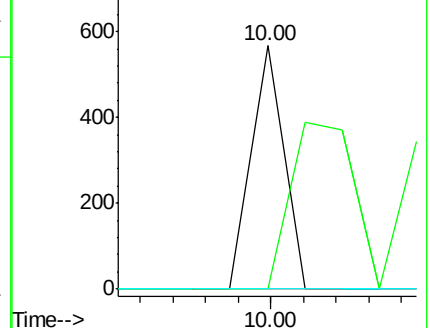
154 0.0 53.5 80.3#

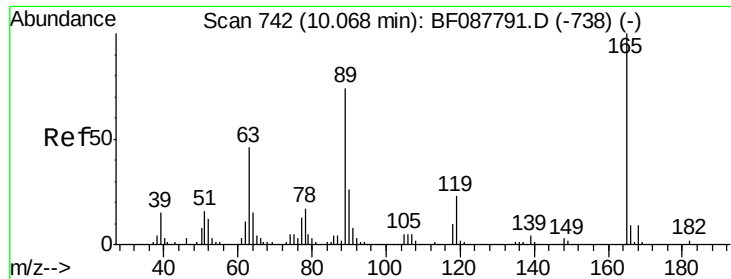


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

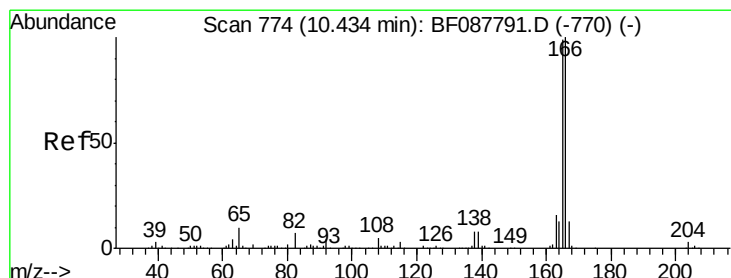
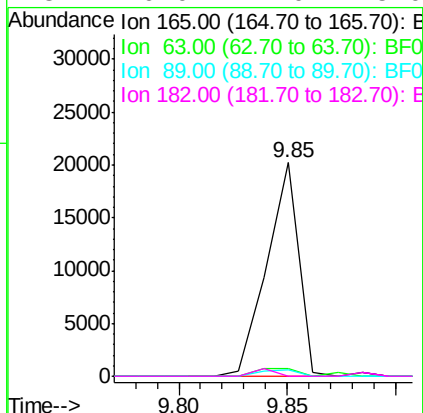
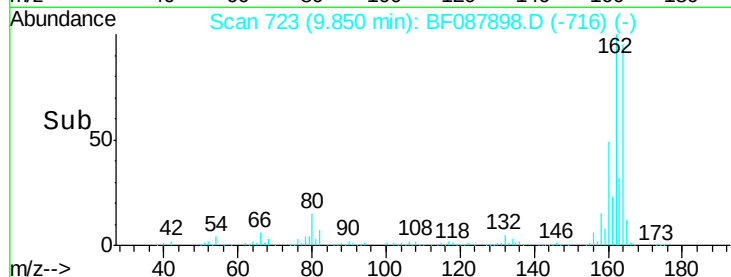
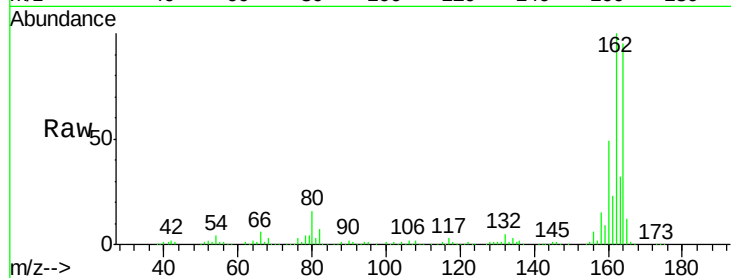




#56
2,4-Dinitrotoluene
Concen: 6.33 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087898.D
Acq: 11 Jun 2016 3:25

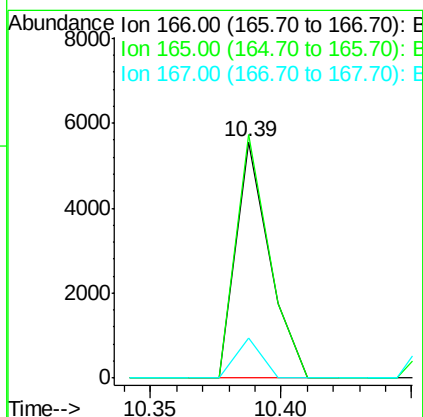
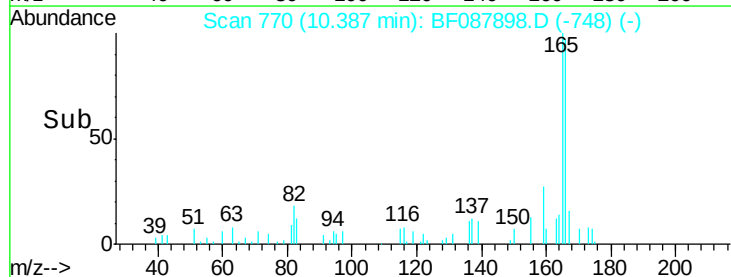
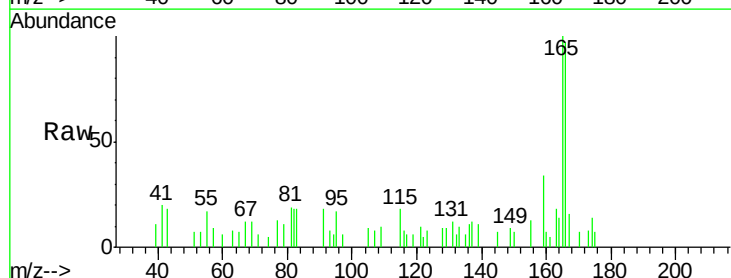
Instrument :
BNA_F
ClientSampleId :
PW-03

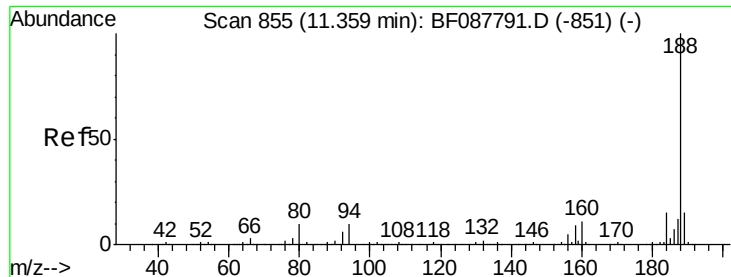
Tgt Ion:	165	Resp:	20811
Ion Ratio	Lower	Upper	
165	100		
63	3.6	22.0	33.0#
89	3.1	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF087898.D
Acq: 11 Jun 2016 3:25

Tgt Ion:	166	Resp:	5006
Ion Ratio	Lower	Upper	
166	100		
165	103.2	77.8	116.8
167	16.9	11.2	16.8#

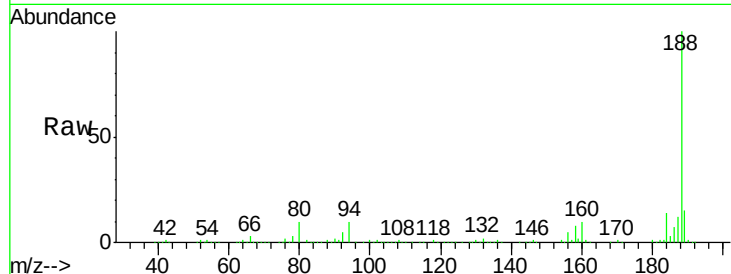




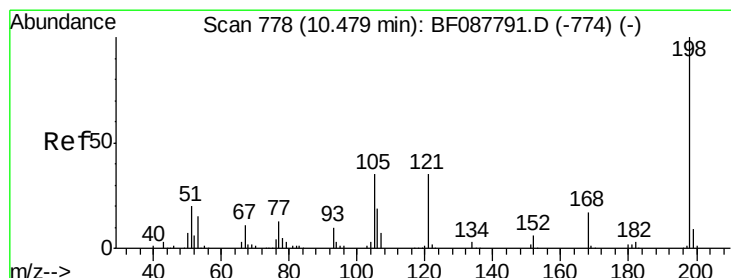
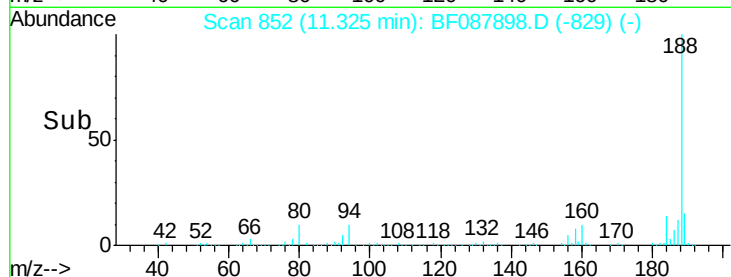
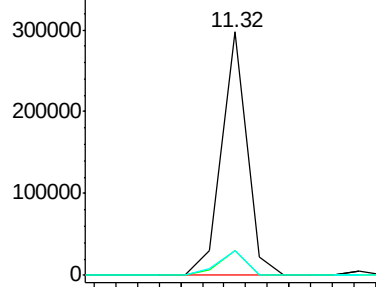
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087898.D
Acq: 11 Jun 2016 3:25

Instrument :
BNA_F
ClientSampleId :
PW-03

Tgt Ion:188 Resp: 240404
Ion Ratio Lower Upper
188 100
94 10.0 9.0 13.6
80 10.2 10.0 15.0

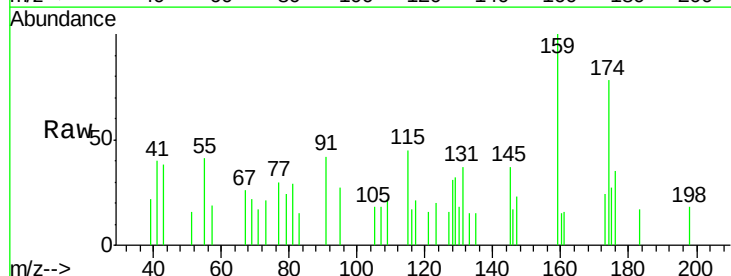


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

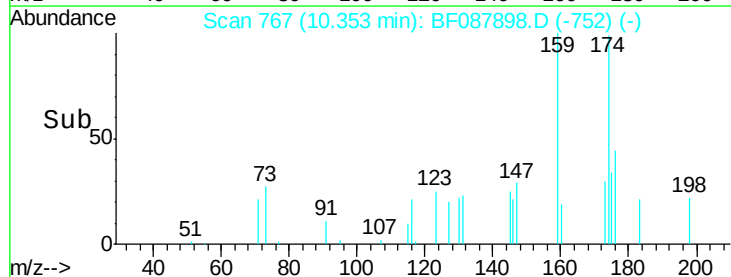
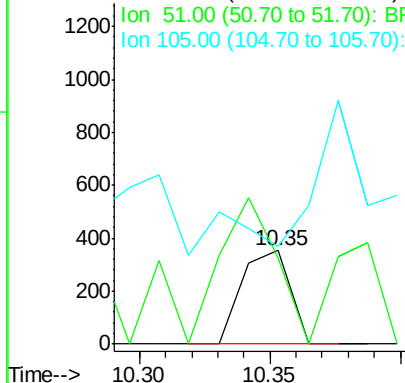


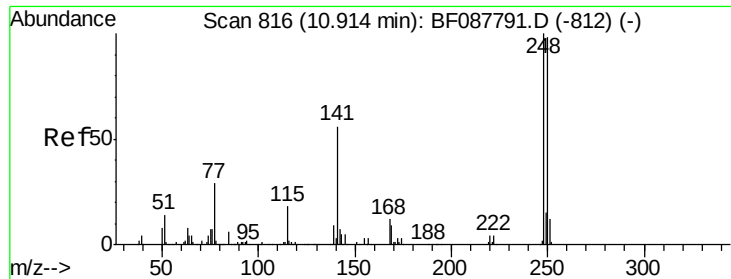
#64
4,6-Dinitro-2-methylphenol
Concen: 2.45 ng
RT: 10.35 min Scan# 767
Delta R.T. -0.13 min
Lab File: BF087898.D
Acq: 11 Jun 2016 3:25

Tgt Ion:198 Resp: 450
Ion Ratio Lower Upper
198 100
51 92.3 39.6 79.6#
105 105.1 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.46 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.27 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

Instrument :

BNA_F

ClientSampleId :

PW-03

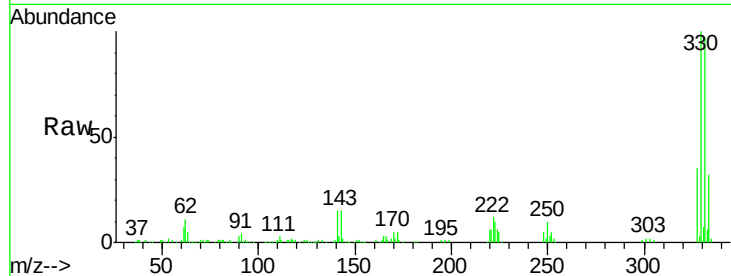
Tgt Ion:248 Resp: 11499

Ion Ratio Lower Upper

248 100

250 197.1 77.1 115.7#

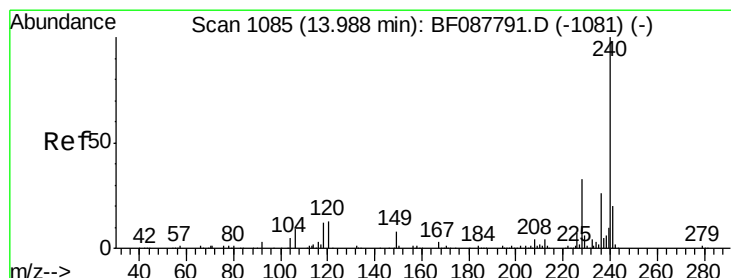
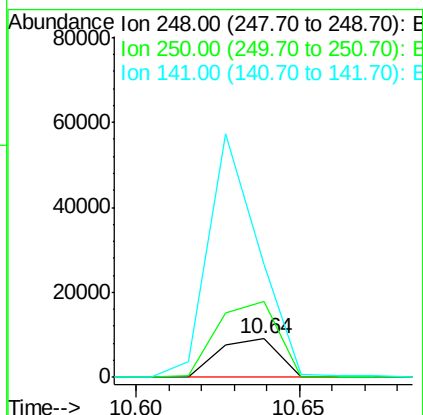
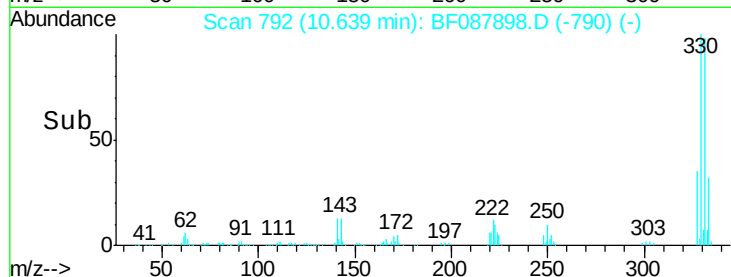
141 294.2 50.6 76.0#



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087898.D

Acq: 11 Jun 2016 3:25

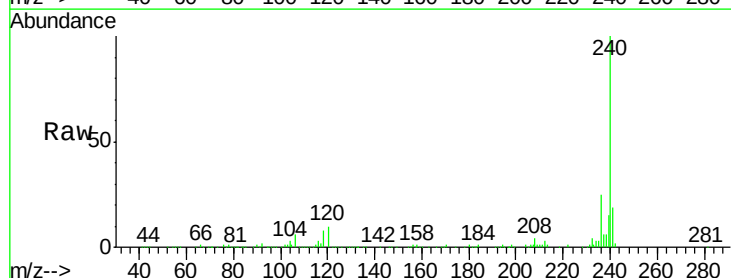
Tgt Ion:240 Resp: 205504

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

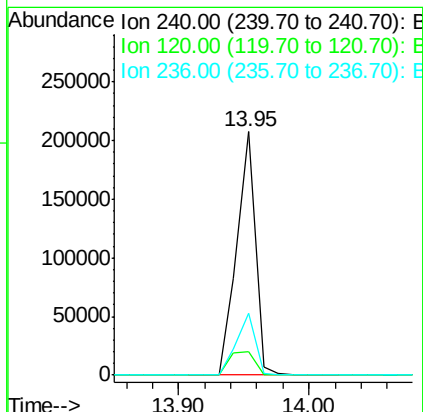
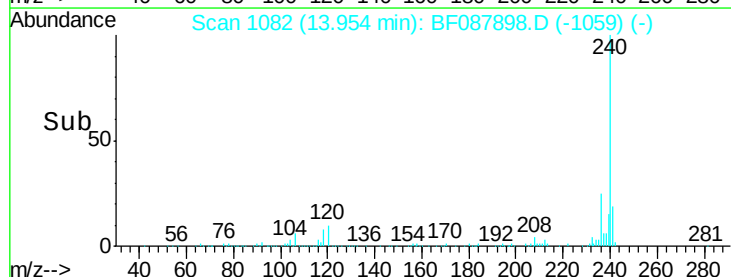
236 25.2 20.2 30.2

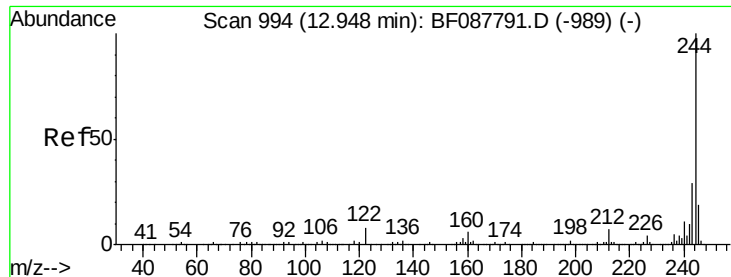


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

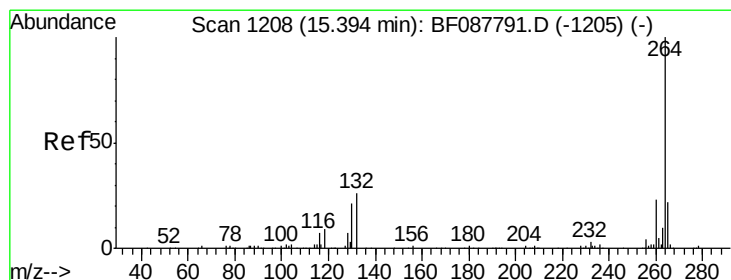
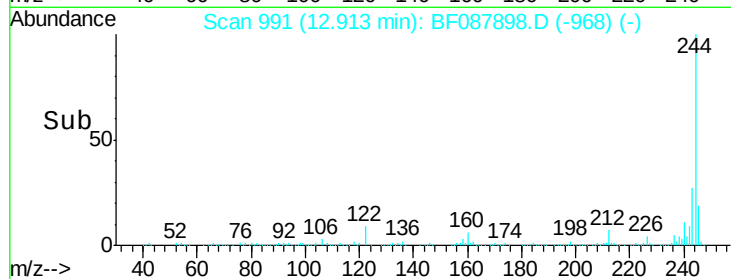
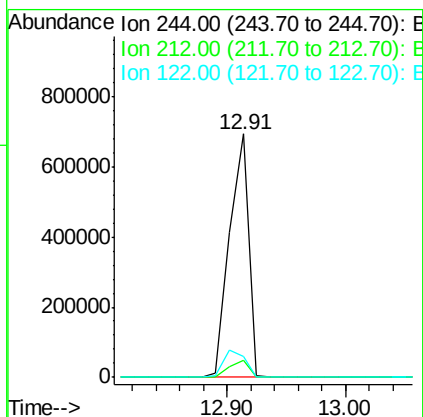
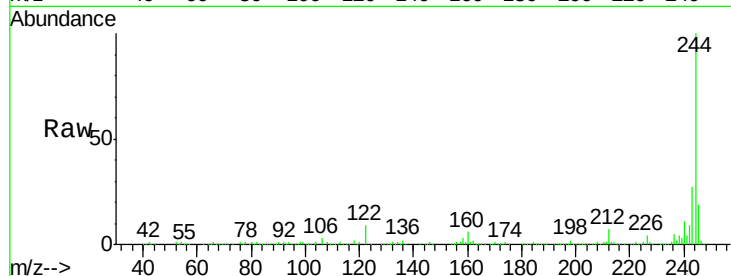




#78
 Terphenyl-d14
 Concen: 85.91 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Instrument :
 BNA_F
 ClientSampleId :
 PW-03

Tgt Ion:244 Resp: 775884
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 8.7 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087898.D
 Acq: 11 Jun 2016 3:25

Tgt Ion:264 Resp: 149884
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 20.9 16.9 25.3

