

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117075.D
 Acq On : 16 Sep 2019 21:59
 Operator : HP/JU
 Sample : K4871-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DAY-1

Quant Time: Sep 17 07:40:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	57377	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	202436	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	90271	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	129574	20.00	ng	0.02
76) Chrysene-d12	13.99	240	97103	20.00	ng	0.01
87) Perylene-d12	15.43	264	74513	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	217659	59.23	ng	0.01
7) Phenol-d6	6.47	99	186916	39.35	ng	0.01
23) Nitrobenzene-d5	7.39	82	376213	97.65	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	103497	137.18	ng	0.02
45) 2-Fluorobiphenyl	9.18	172	565002	97.86	ng	0.00
79) Terphenyl-d14	12.93	244	442040	85.09	ng	0.02

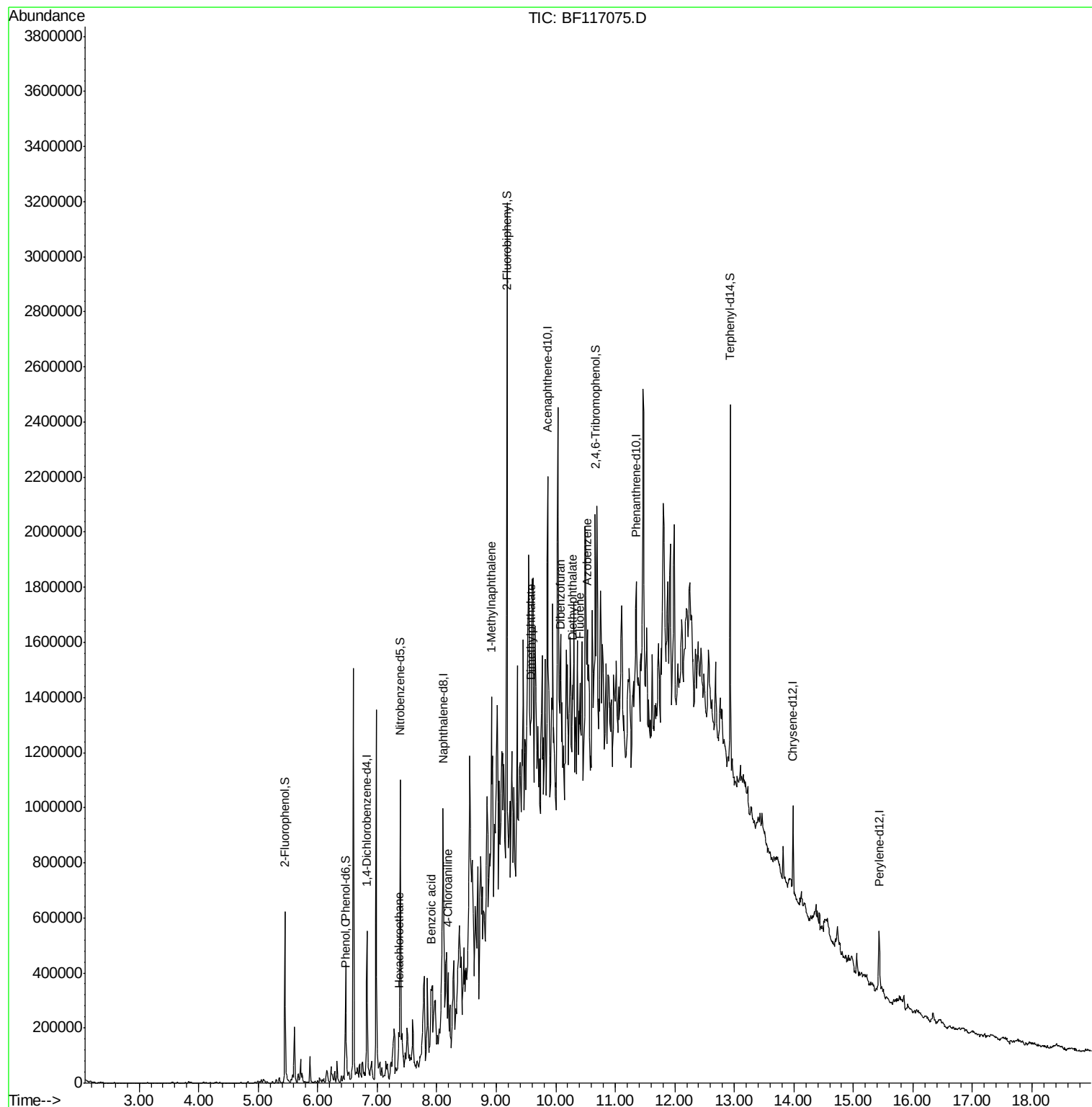
Target Compounds				Qvalue		
10) Phenol	6.48	94	26012	4.968	ng	95
18) Hexachloroethane	7.36	117	8075	4.623	ng	# 11
32) Benzoic acid	7.90	122	17065	14.116	ng	# 18
33) 4-Chloroaniline	8.19	127	10495	2.430	ng	# 71
38) 1-Methylnaphthalene	8.92	142	94288	15.356	ng	# 94
50) Dimethylphthalate	9.57	163	45767	7.160	ng	# 88
55) Dibenzofuran	10.07	168	15815	2.160	ng	# 41
58) Fluorene	10.41	166	22752	3.858	ng	# 90
60) Diethylphthalate	10.28	149	28912	4.598	ng	# 42
63) Azobenzene	10.52	77	31509	4.906	ng	# 21

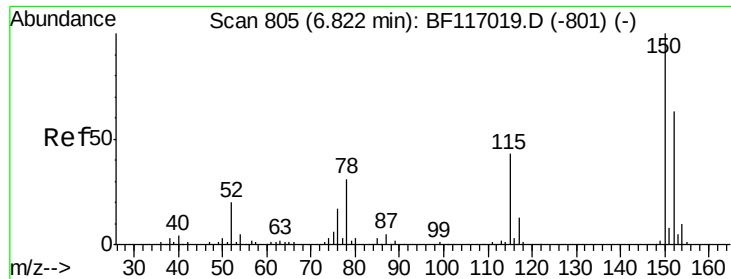
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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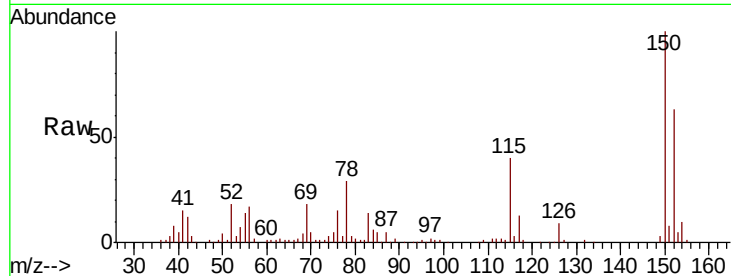


#1

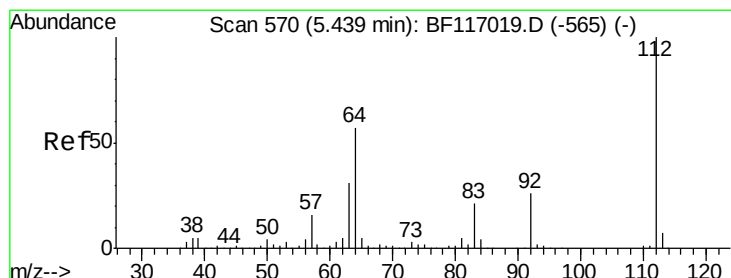
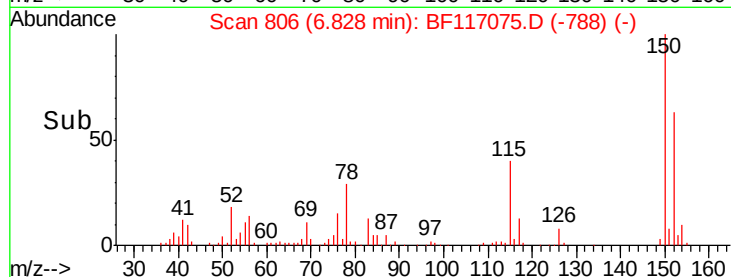
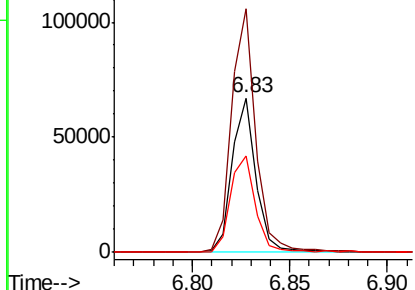
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

Instrument :
BNA_F
ClientSampleId :
DAY-1

Tot Ion:152 Resp: 57377
Ion Ratio Lower Upper
152 100
150 157.5 127.5 191.3
115 62.8 55.0 82.4



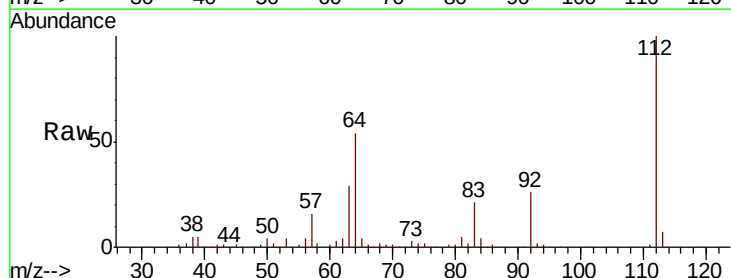
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



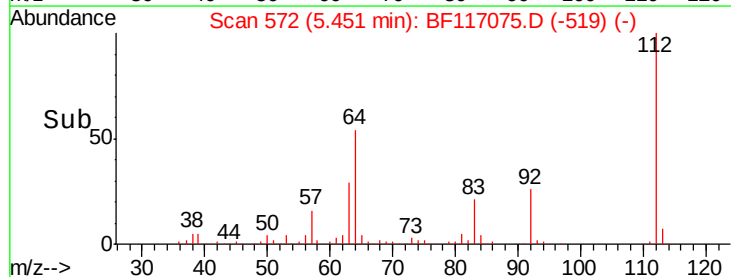
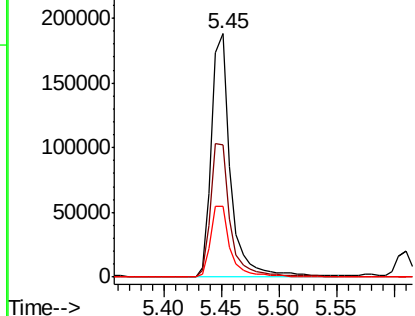
#5

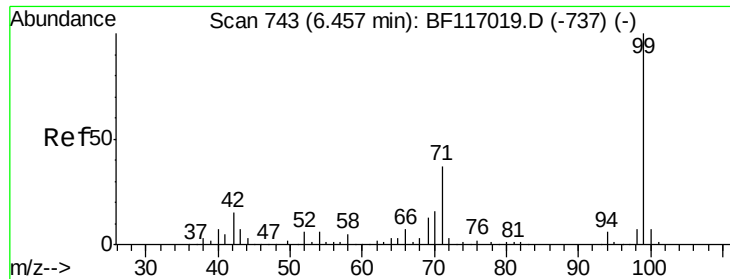
2-Fluorophenol
Concen: 59.226 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

Tgt Ion:112 Resp: 217659
Ion Ratio Lower Upper
112 100
64 54.2 45.7 68.5
63 28.9 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 39.355 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

Instrument :

BNA_F

ClientSampleId :

DAY-1

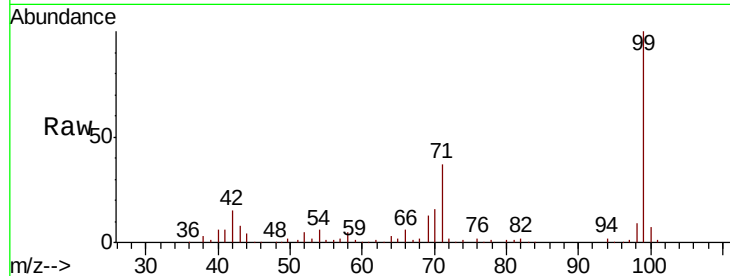
Tot Ion: 99 Resp: 186916

Ion Ratio Lower Upper

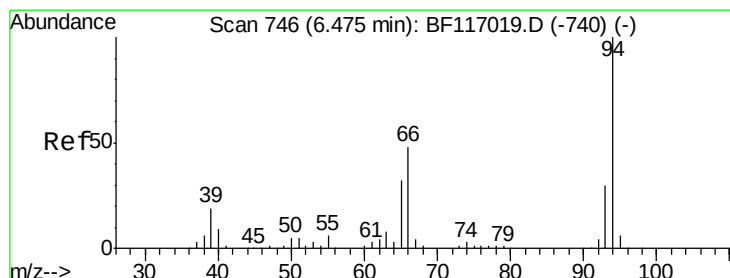
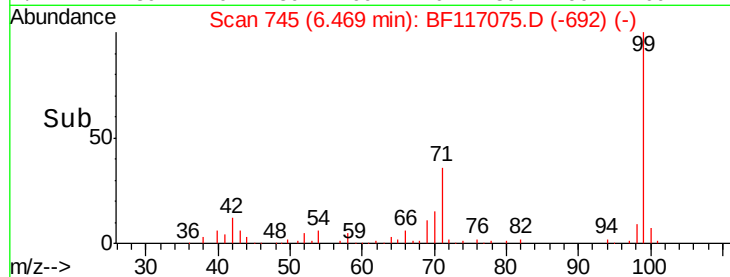
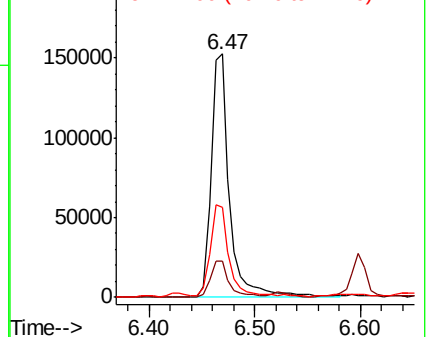
99 100

42 14.7 12.2 18.2

71 36.9 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.968 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

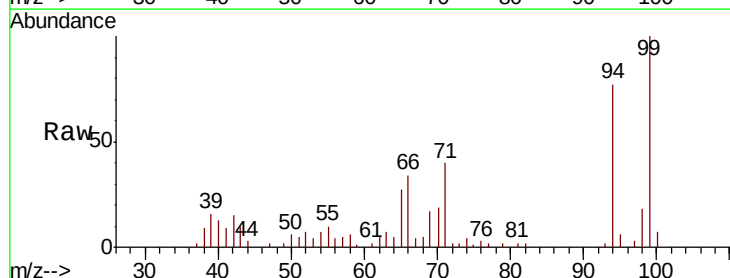
Tgt Ion: 94 Resp: 26012

Ion Ratio Lower Upper

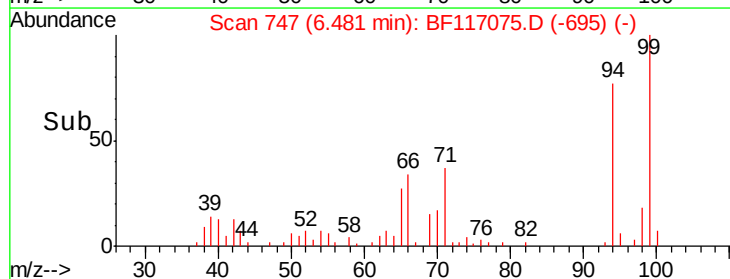
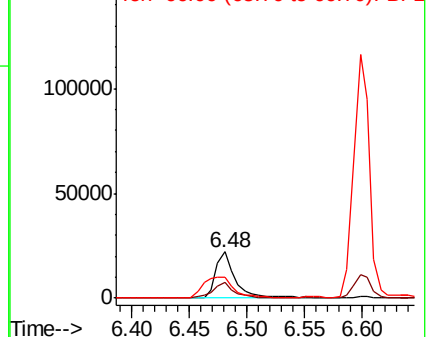
94 100

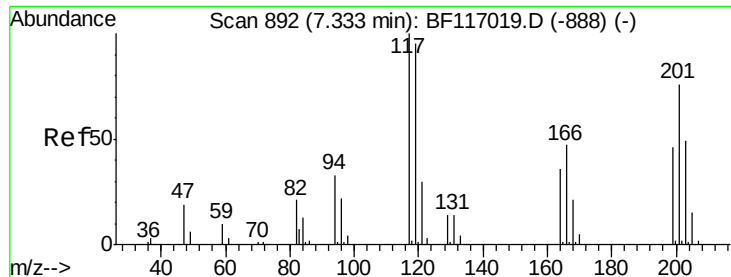
65 34.4 12.5 52.5

66 44.8 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#18

Hexachloroethane

Concen: 4.623 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.02 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

Instrument :

BNA_F

ClientSampleId :

DAY-1

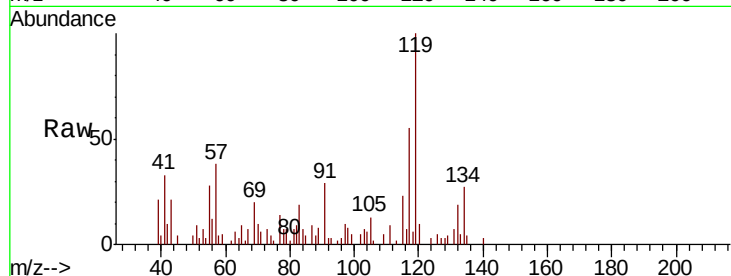
Tot Ion:117 Resp: 8075

Ion Ratio Lower Upper

117 100

119 182.1 75.8 113.8#

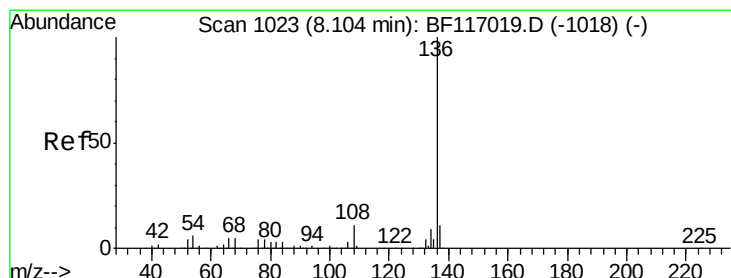
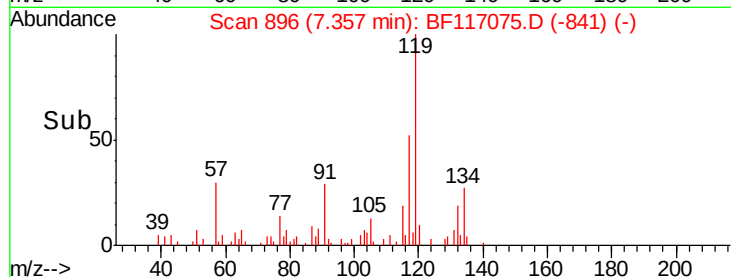
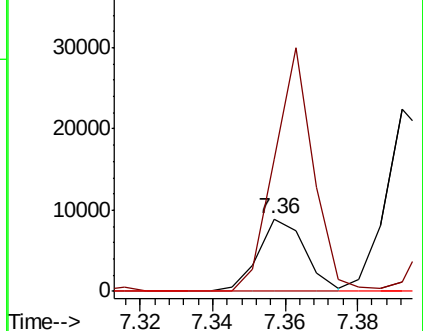
201 0.0 60.9 91.3#



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: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

Tgt Ion:136 Resp: 202436

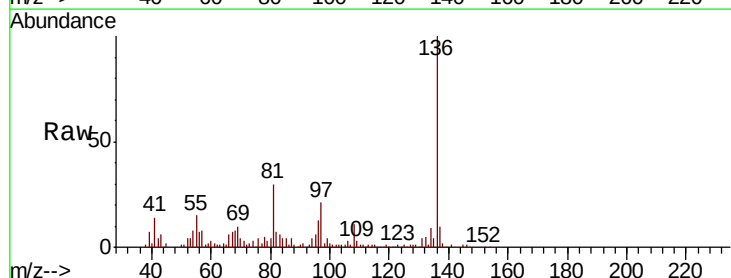
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 7.9 4.5 6.7#

68 8.2 4.0 6.0#

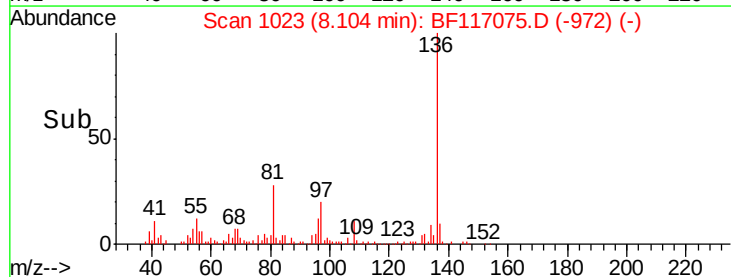
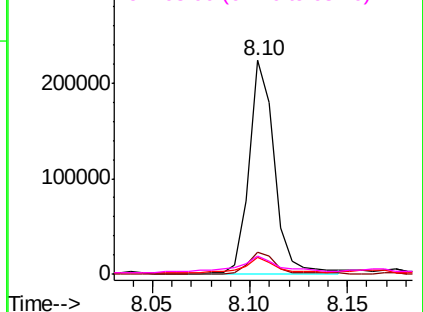


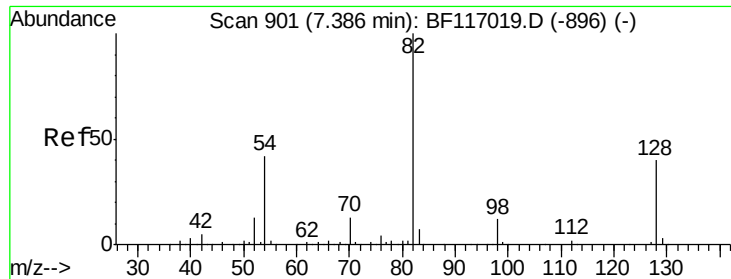
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

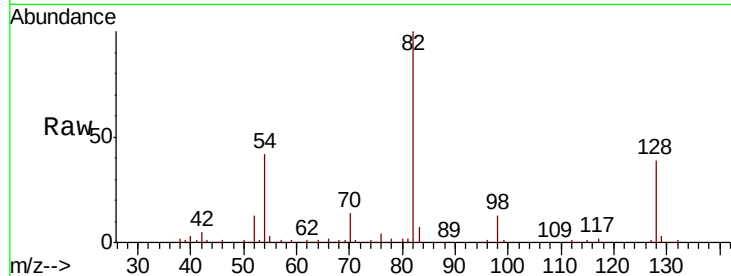




#23
 Nitrobenzene-d5
 Concen: 97.646 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BF117075.D
 Acq: 16 Sep 2019 21:59

Instrument :
 BNA_F
 ClientSampleId :
 DAY-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.3	48.5
54	41.8	33.3	49.9

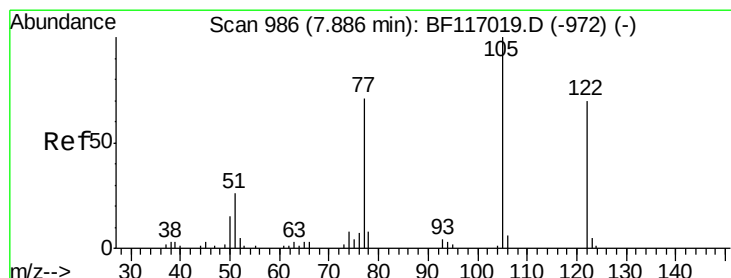
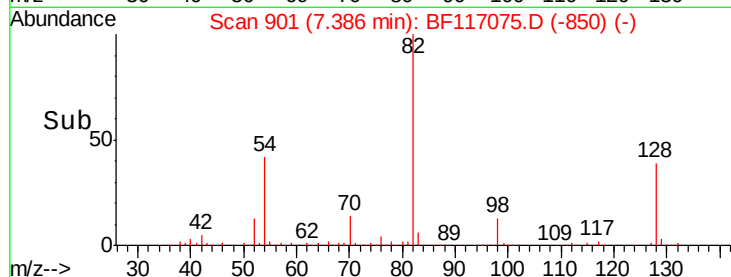
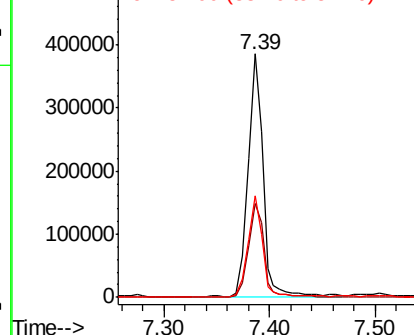


Abundance

Ion 82.00 (81.70 to 82.70): BF1

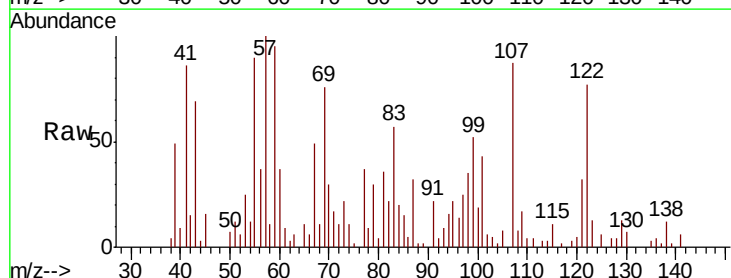
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#32
 Benzoic acid
 Concen: 14.116 ng
 RT: 7.90 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: BF117075.D
 Acq: 16 Sep 2019 21:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	9.7	114.8	154.8#
77	47.6	78.7	118.7#

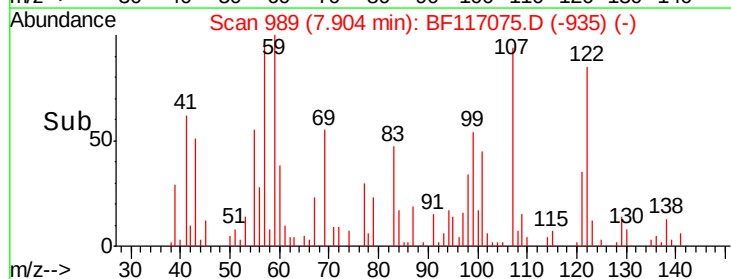
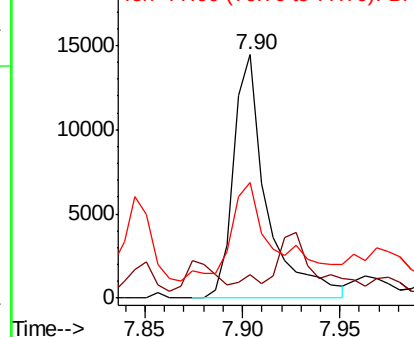


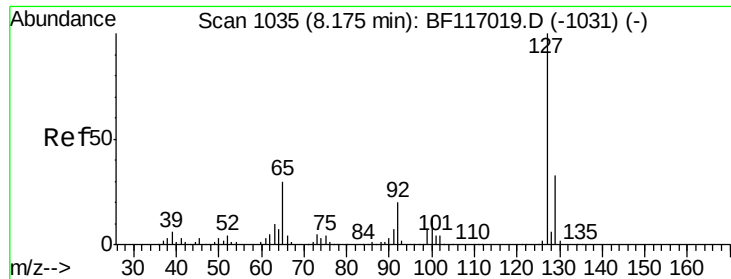
Abundance

Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

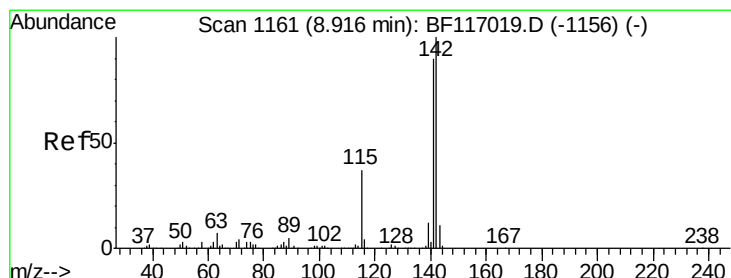
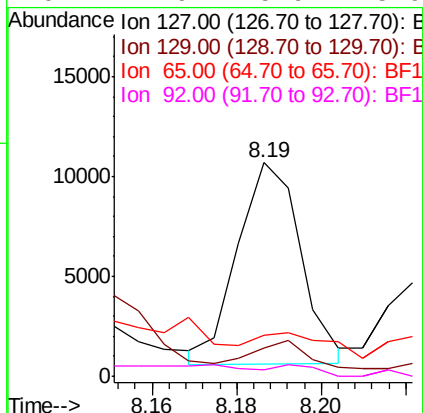
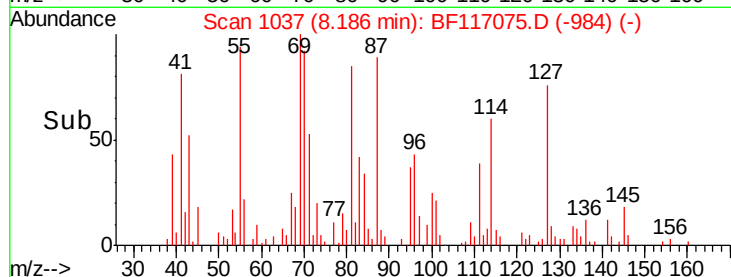
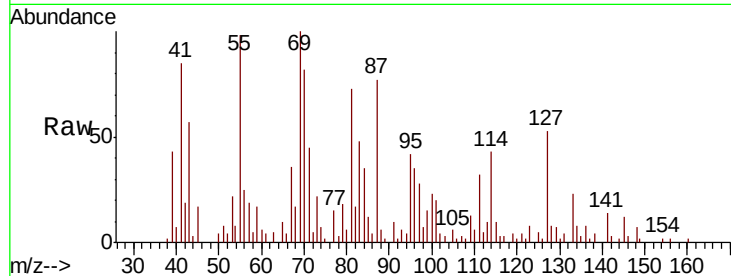




#33
4-Chloroaniline
Concen: 2.430 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

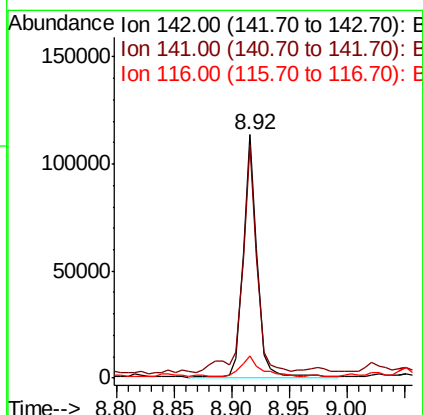
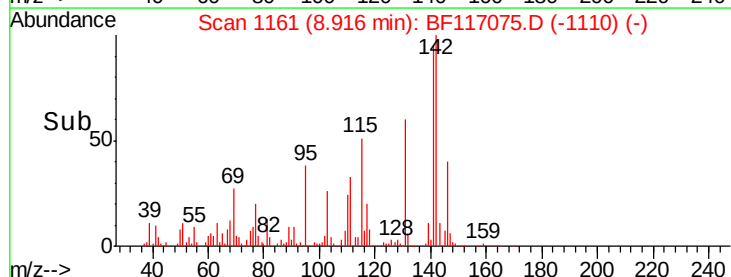
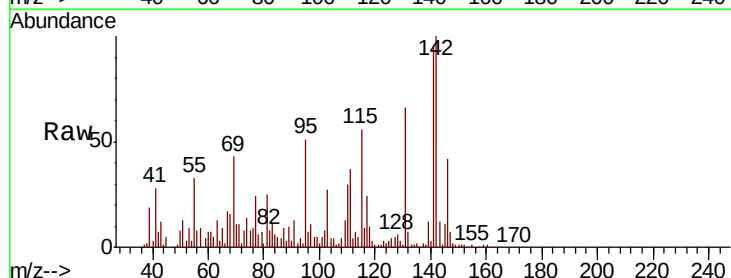
Instrument :
BNA_F
ClientSampleId :
DAY-1

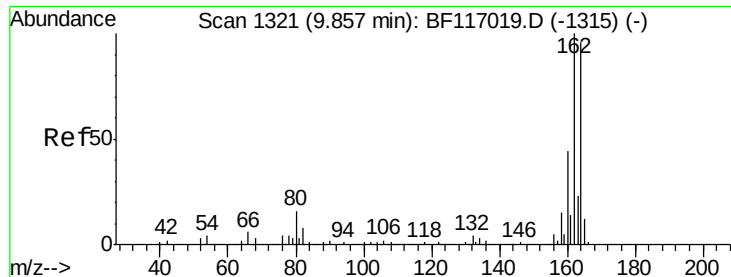
Tot Ion:127	Resp:	10495
Ion Ratio	Lower	Upper
127	100	
129	13.4	26.2 39.2#
65	19.3	23.5 35.3#
92	2.9	15.9 23.9#



#38
1-Methylnaphthalene
Concen: 15.356 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

Tgt Ion:142	Resp:	94288
Ion Ratio	Lower	Upper
142	100	
141	95.6	71.9 107.9
116	8.9	3.2 4.8#

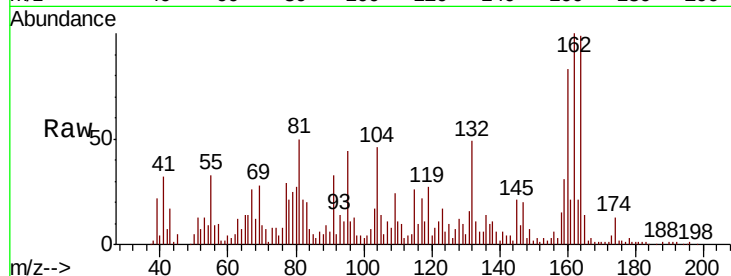




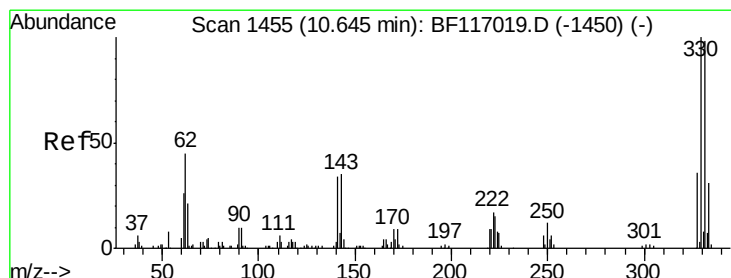
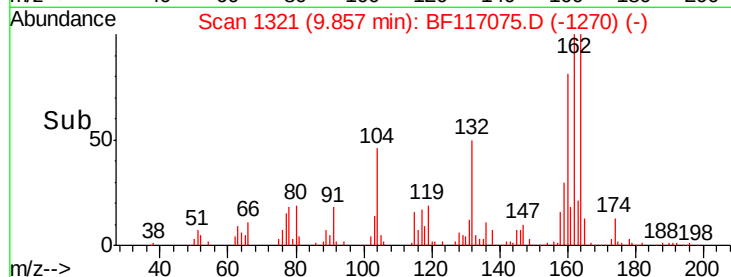
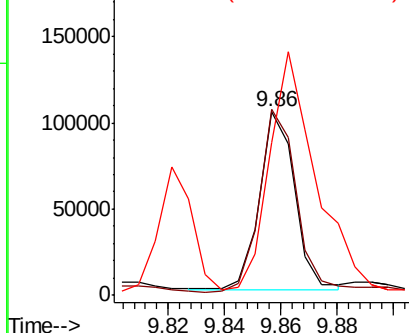
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: BF117075.D
 Acq: 16 Sep 2019 21:59

Instrument :
 BNA_F
 ClientSampleId :
 DAY-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.4	125.2
160	83.4	36.4	54.6

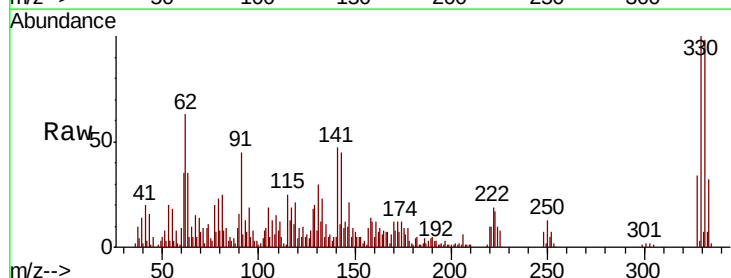


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

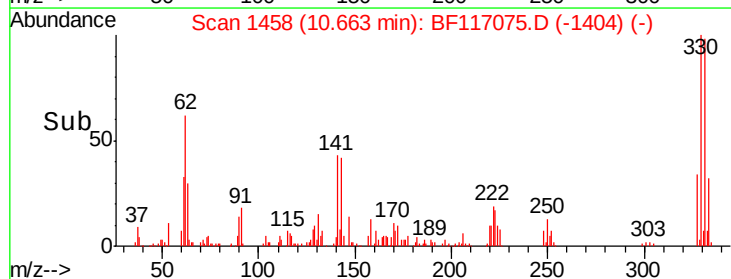
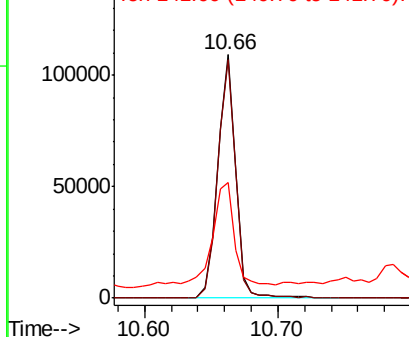


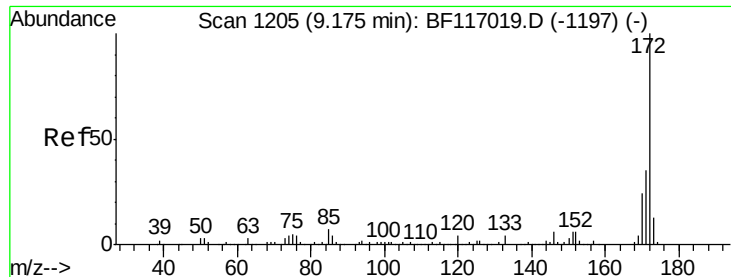
#42
 2,4,6-Tribromophenol
 Concen: 137.180 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.02 min
 Lab File: BF117075.D
 Acq: 16 Sep 2019 21:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.0	117.0
141	58.0	35.8	53.6



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

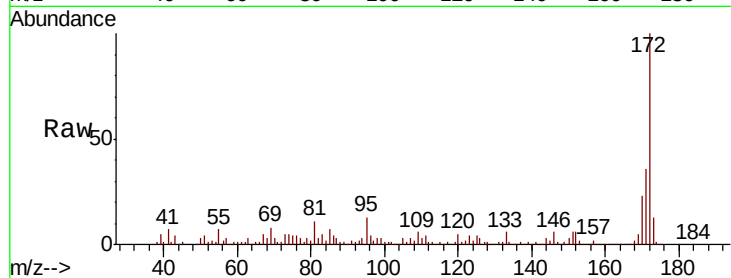




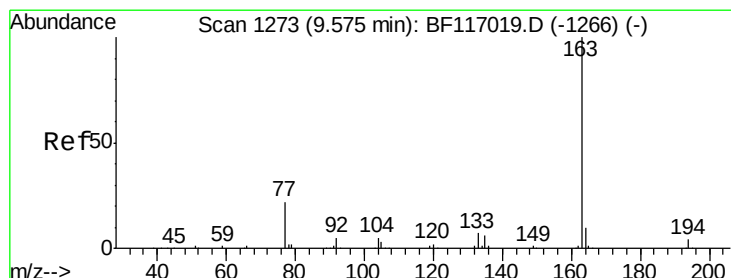
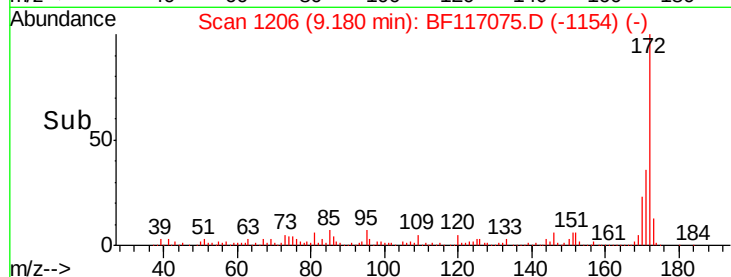
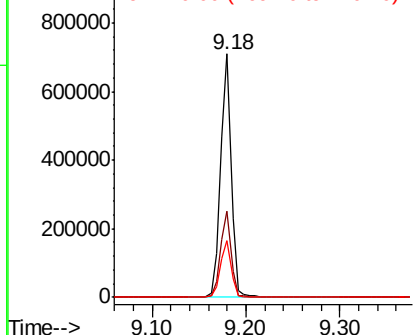
#45
2-Fluorobiphenyl
Concen: 97.863 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

Instrument :
BNA_F
ClientSampleId :
DAY-1

Tot Ion:172 Resp: 565002
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 23.5 18.9 28.3

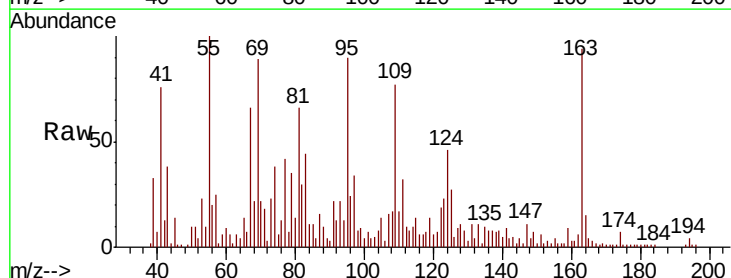


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

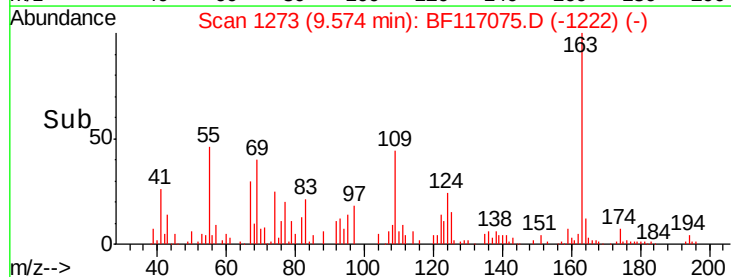
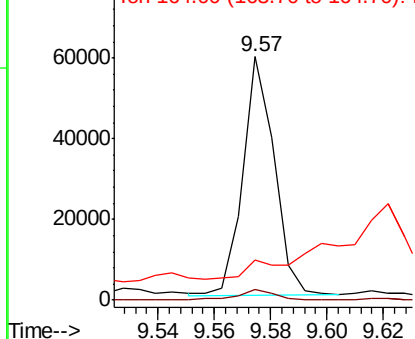


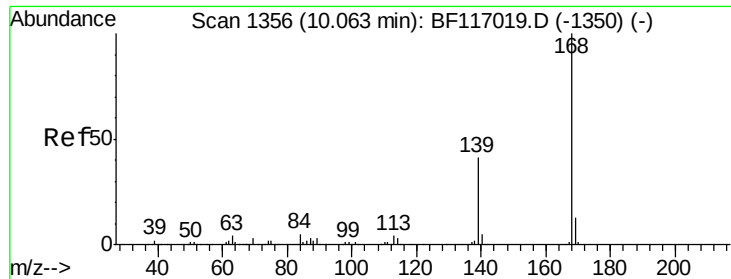
#50
Dimethylphthalate
Concen: 7.160 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

Tgt Ion:163 Resp: 45767
Ion Ratio Lower Upper
163 100
194 4.3 2.9 4.3
164 16.2 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

Dibenzofuran

Concen: 2.160 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.01 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

Instrument :

BNA_F

ClientSampleId :

DAY-1

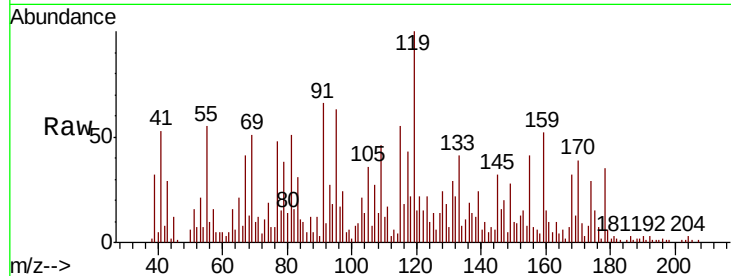
Tot Ion:168 Resp: 15815

Ion Ratio Lower Upper

168 100

139 75.6 32.8 49.2#

169 41.9 10.5 15.7#

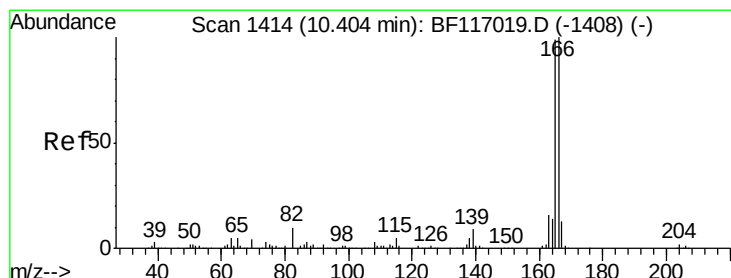
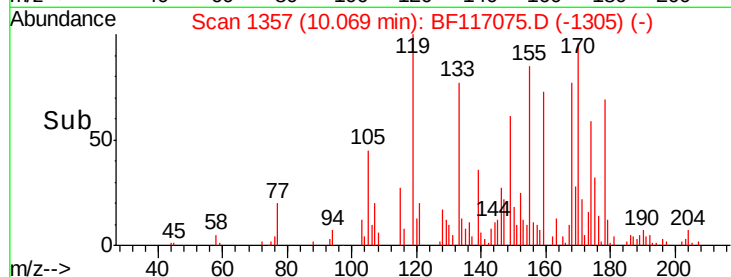
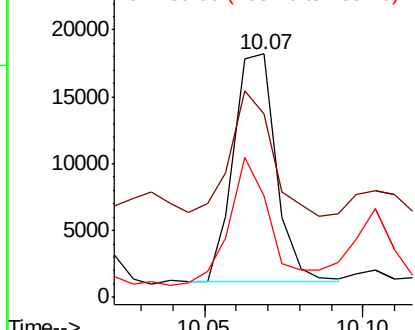


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 3.858 ng

RT: 10.41 min Scan# 1415

Delta R.T. 0.01 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

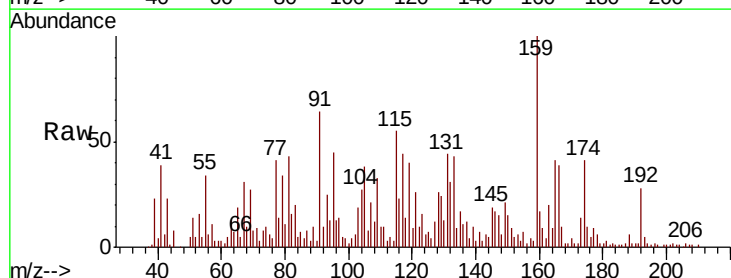
Tgt Ion:166 Resp: 22752

Ion Ratio Lower Upper

166 100

165 105.5 78.9 118.3

167 25.5 10.6 15.8#

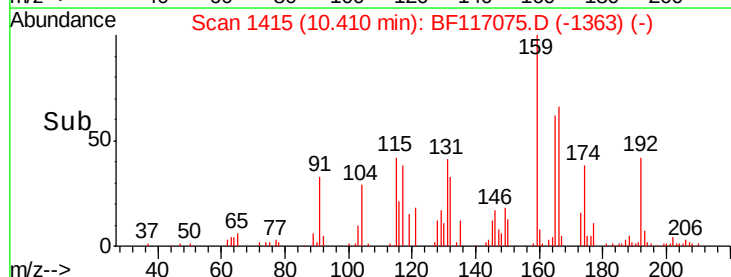
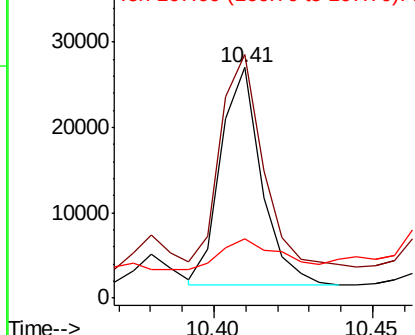


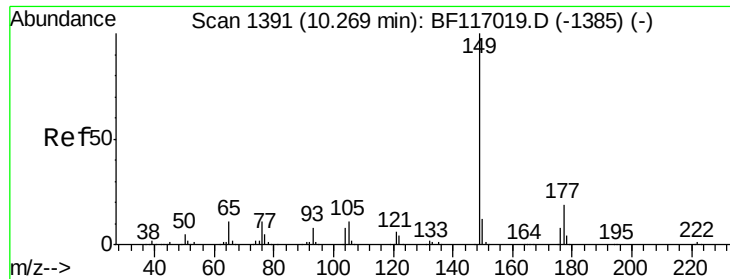
Abundance

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

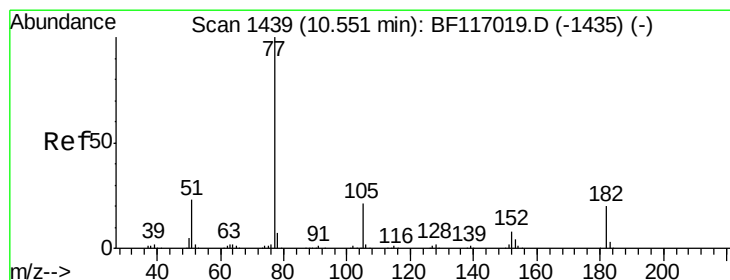
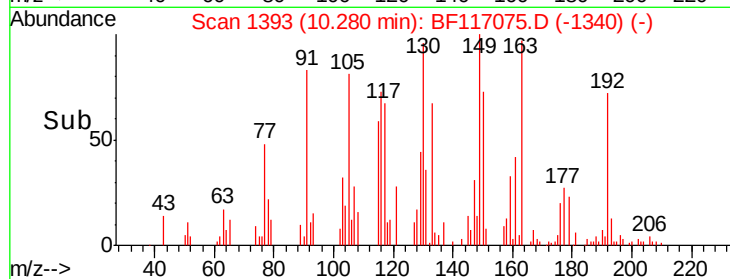
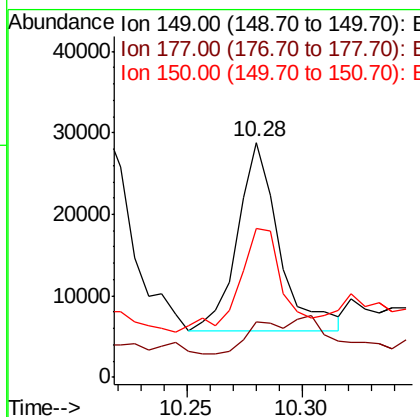
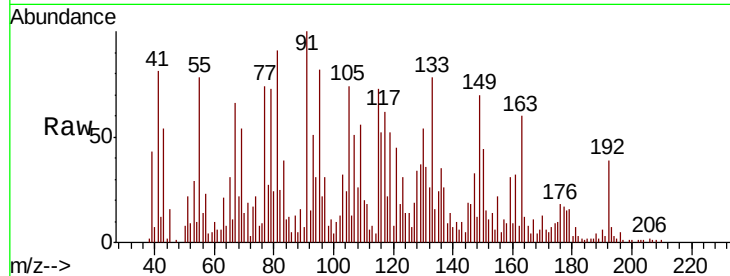




#60
Diethylphthalate
Concen: 4.598 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

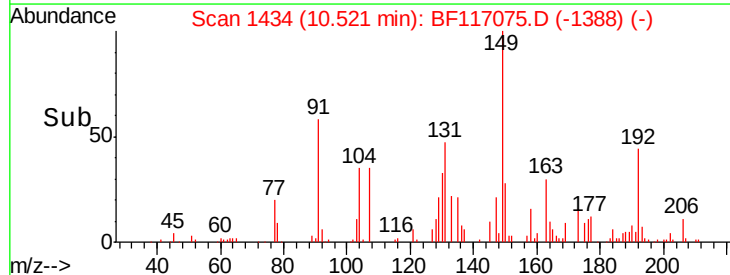
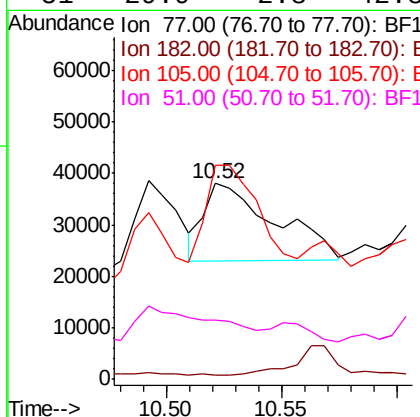
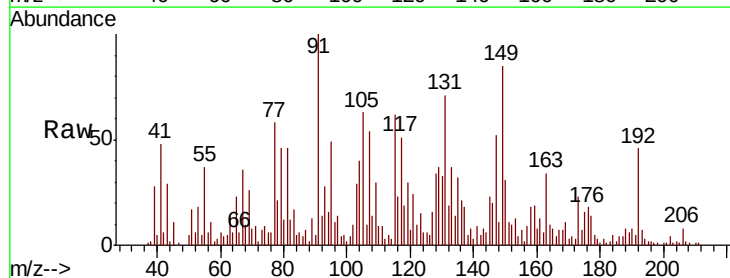
Instrument :
BNA_F
ClientSampled :
DAY-1

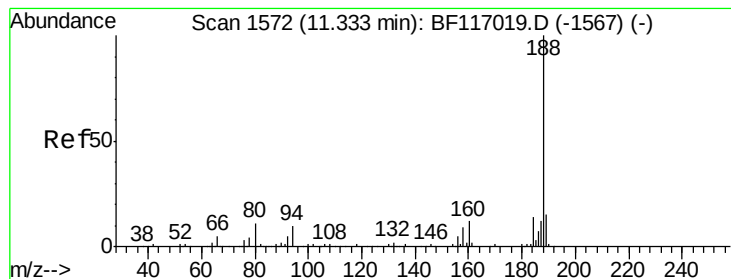
Tot Ion:149 Resp: 28912
Ion Ratio Lower Upper
149 100
177 23.9 15.2 22.8#
150 63.4 9.9 14.9#



#63
Azobenzene
Concen: 4.906 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.03 min
Lab File: BF117075.D
Acq: 16 Sep 2019 21:59

Tgt Ion: 77 Resp: 31509
Ion Ratio Lower Upper
77 100
182 2.1 0.4 40.4
105 109.1 0.9 40.9#
51 29.9 2.8 42.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.02 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

Instrument :

BNA_F

ClientSampleId :

DAY-1

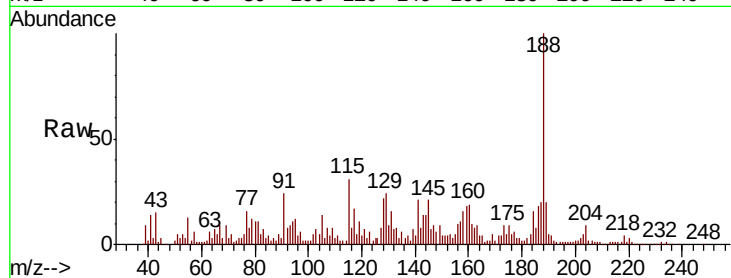
Tot Ion:188 Resp: 129574

Ion Ratio Lower Upper

188 100

94 11.4 8.2 12.2

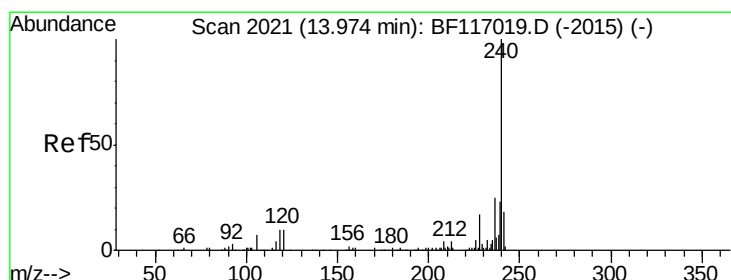
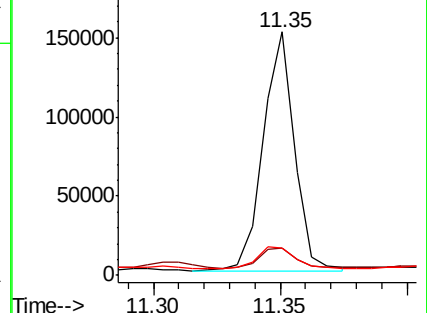
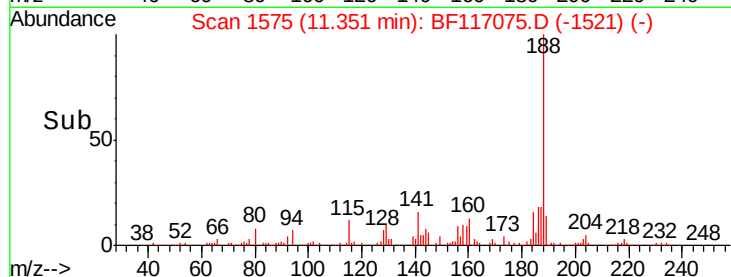
80 11.4 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF117075.D

Acq: 16 Sep 2019 21:59

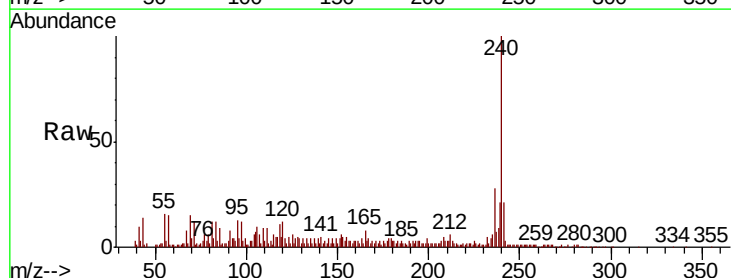
Tgt Ion:240 Resp: 97103

Ion Ratio Lower Upper

240 100

120 11.8 8.3 12.5

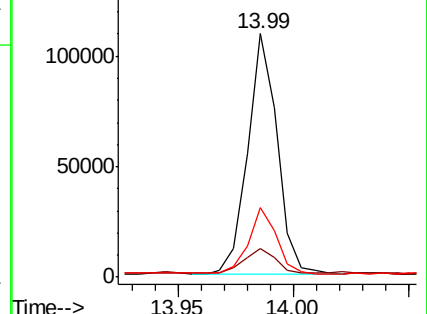
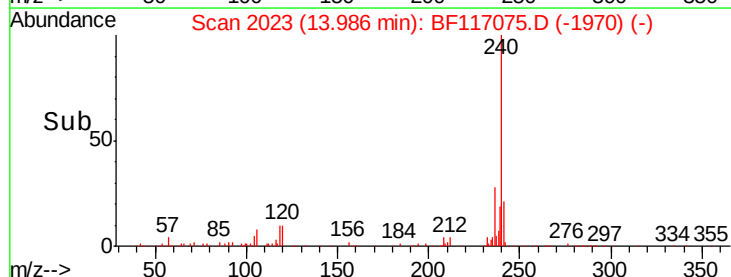
236 28.5 20.3 30.5

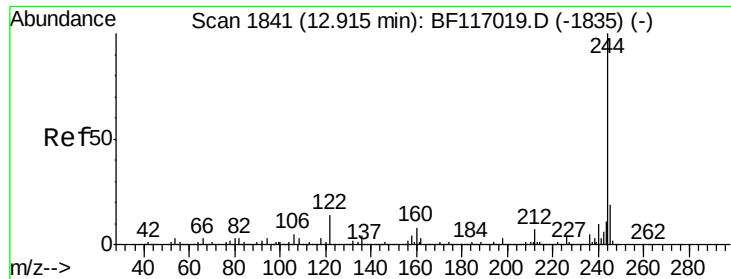


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

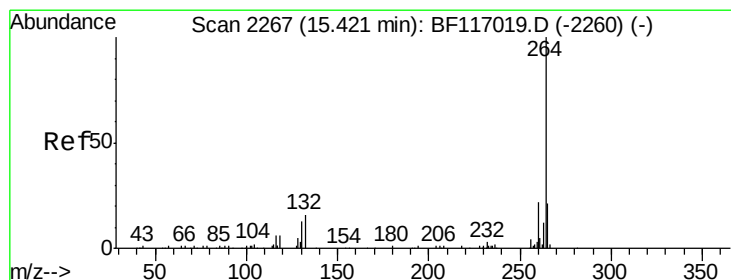
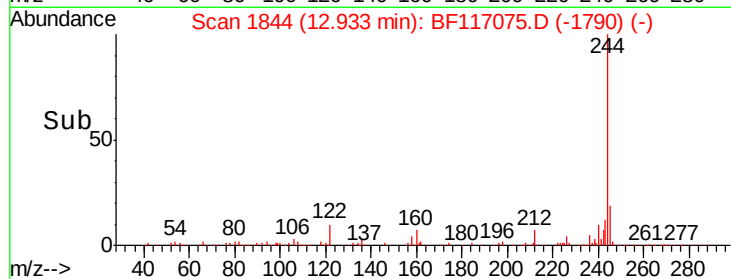
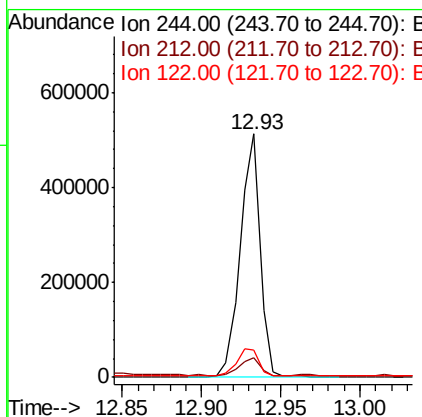
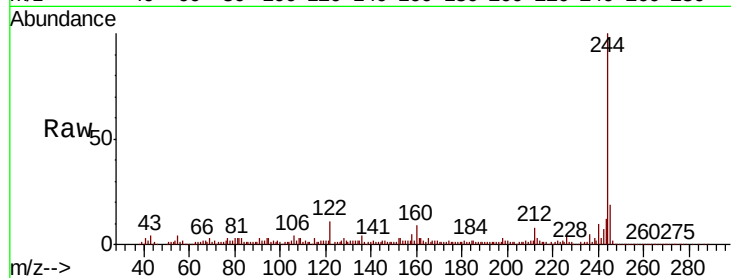




#79
 Terphenyl-d14
 Concen: 85.092 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.02 min
 Lab File: BF117075.D
 Acq: 16 Sep 2019 21:59

Instrument :
 BNA_F
 ClientSampleId :
 DAY-1

Tot Ion:244 Resp: 442040
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 11.3 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117075.D
 Acq: 16 Sep 2019 21:59

Tgt Ion:264 Resp: 74513
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.6 26.4
 265 22.0 16.6 24.8

