

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122018\
 Data File : BE098535.D
 Acq On : 20 Dec 2018 12:37
 Operator : SJ/JU
 Sample : J6319-19
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 13:27:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	556	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	2567	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	1884	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	6268	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8958	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7487	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	319	0.25	ng	0.00
5) Phenol-d6	7.03	99	208	0.11	ng	-0.01
8) Nitrobenzene-d5	9.02	82	896	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	1835	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	408	0.59	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	2823	0.36	ng	-0.01
25) Fluoranthene-d10	19.30	212	38323	0.48	ng	-0.01
29) Terphenyl-d14	19.89	244	9270	0.43	ng	-0.02

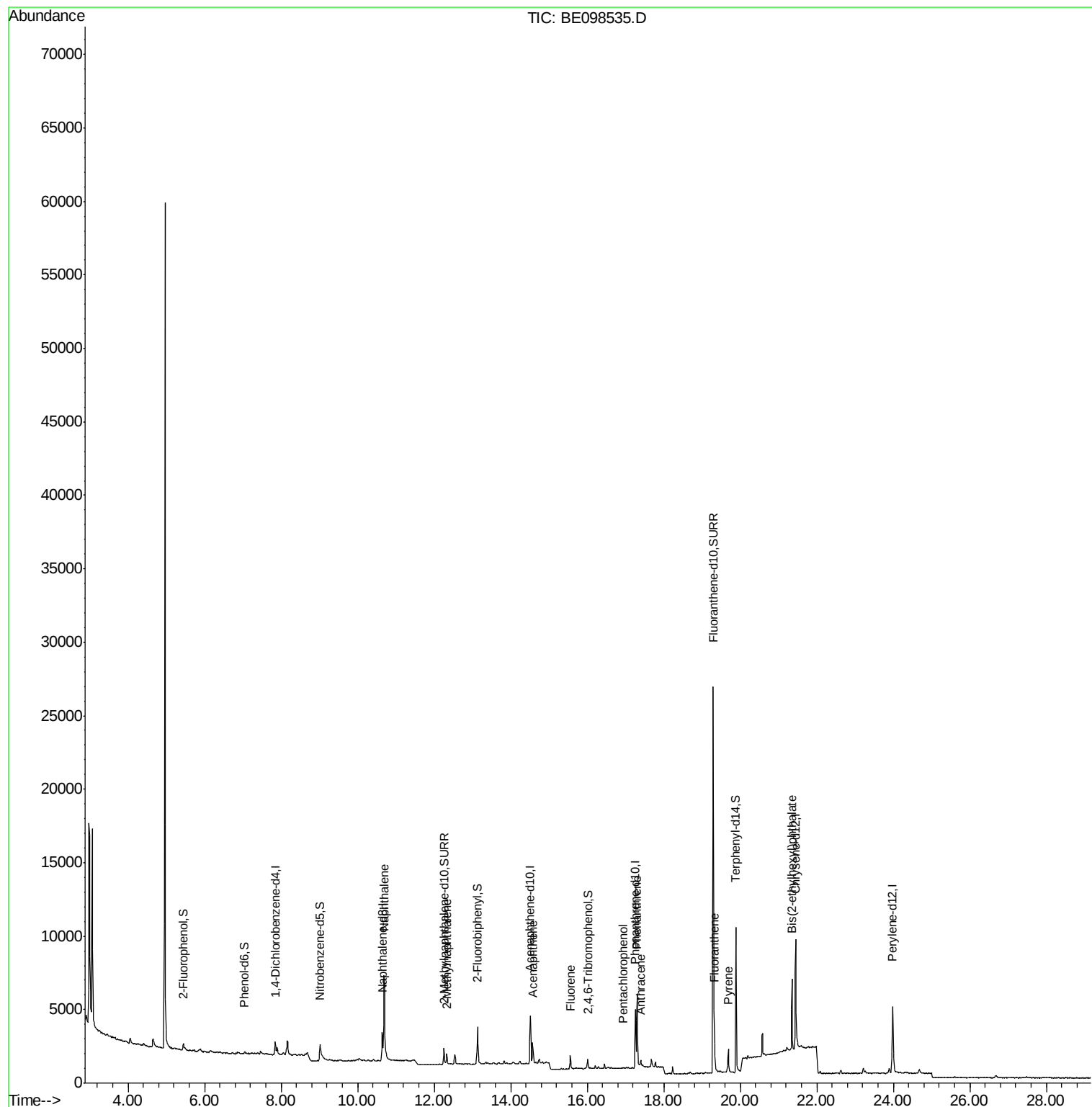
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.69	128	11758	0.455	ng	# 98
12) 2-Methylnaphthalene	12.32	142	540	0.129	ng	# 87
17) Acenaphthene	14.57	154	781	0.147	ng	98
18) Fluorene	15.56	166	764	0.108	ng	99
22) Pentachlorophenol	16.93	266	10	0.034	ng	# 71
23) Phenanthrene	17.30	178	5635	0.370	ng	100
24) Anthracene	17.40	178	695	0.051	ng	94
26) Fluoranthene	19.32	202	1852	0.092	ng	98
28) Pyrene	19.69	202	1565	0.056	ng	96
32) Bis(2-ethylhexyl)phthalate	21.35	149	5785	0.112	ng	# 99

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

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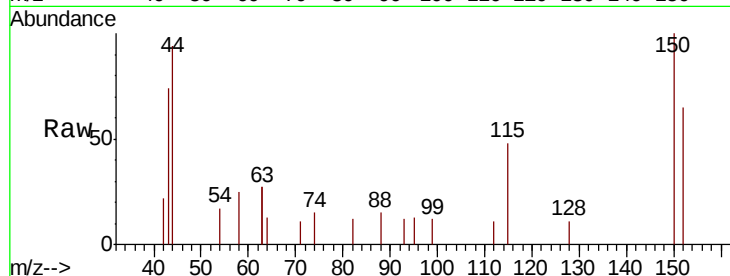


#1

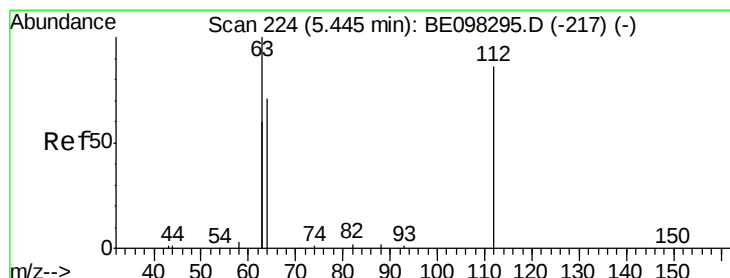
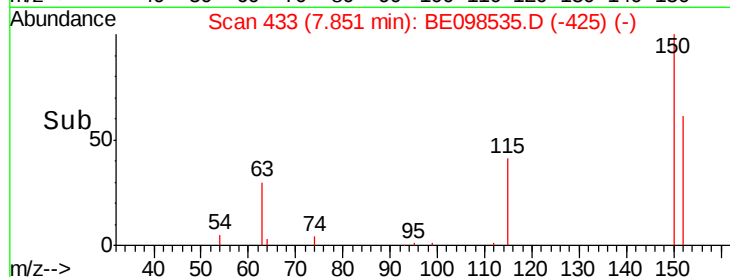
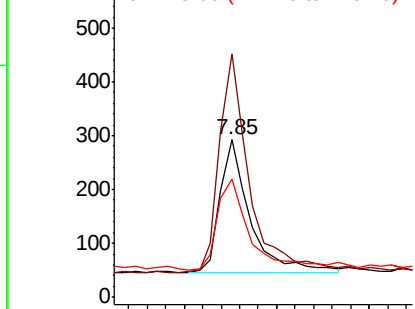
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 556
Ion Ratio Lower Upper
152 100
150 154.8 124.2 186.4
115 74.7 53.9 80.9



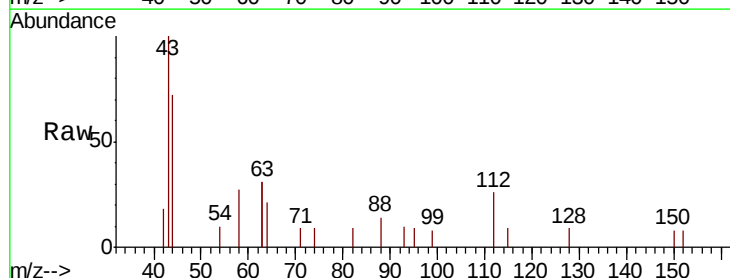
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



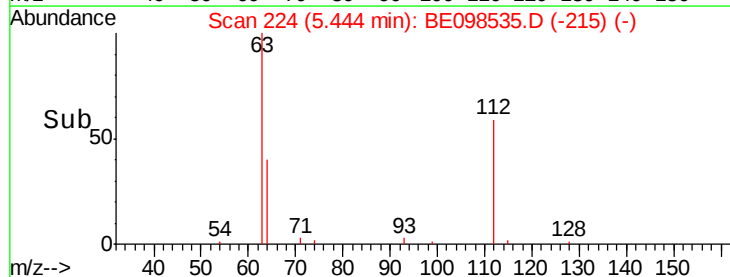
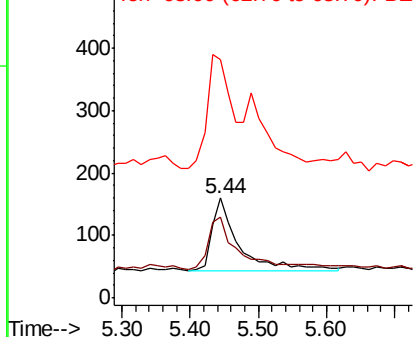
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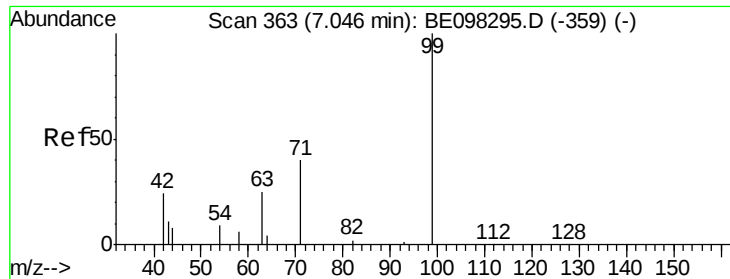
2-Fluorophenol
Concen: 0.245 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Tgt Ion:112 Resp: 319
Ion Ratio Lower Upper
112 100
64 89.0 59.8 89.8
63 149.8 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.113 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

Instrument :

BNA_F

ClientSampleId :

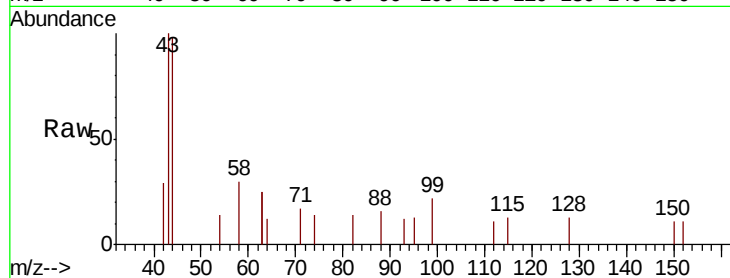
Tot Ion: 99 Resp: 208

Ion Ratio Lower Upper

99 100

42 45.2 26.3 39.5#

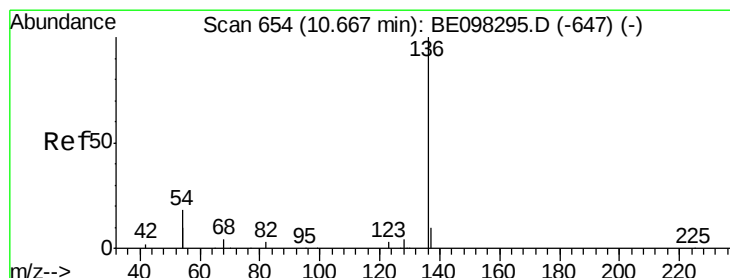
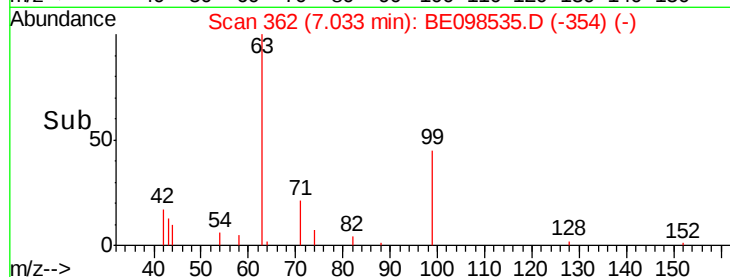
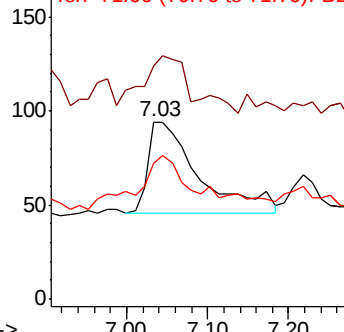
71 69.2 33.6 50.4#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

Tgt Ion: 136 Resp: 2567

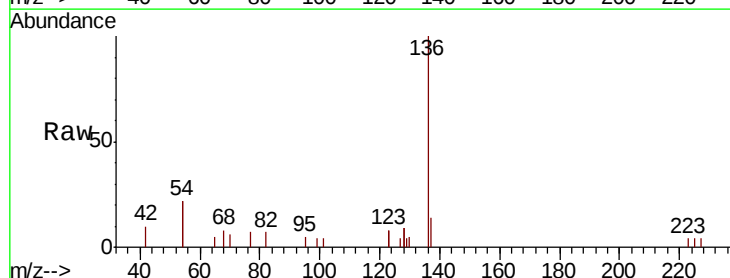
Ion Ratio Lower Upper

136 100

137 13.6 9.2 13.8

54 44.7 28.4 42.6#

68 8.4 5.4 8.0#

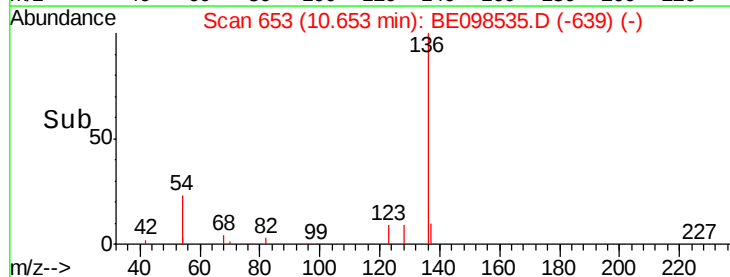
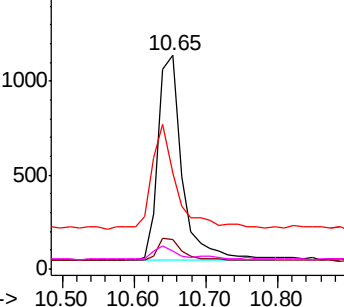


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.383 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

Instrument :

BNA_F

ClientSampleId :

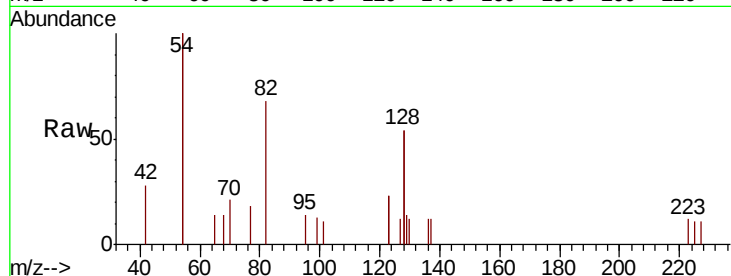
Tot Ion: 82 Resp: 896

Ion Ratio Lower Upper

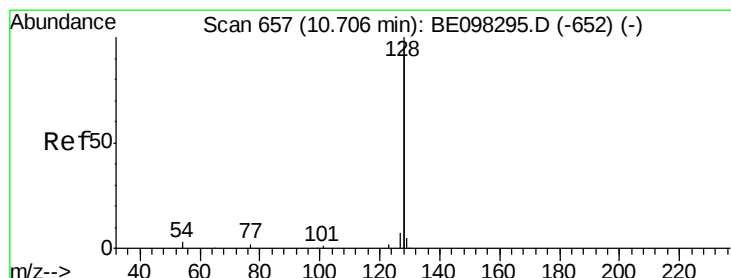
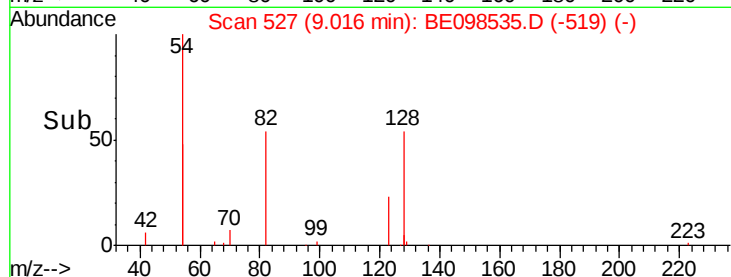
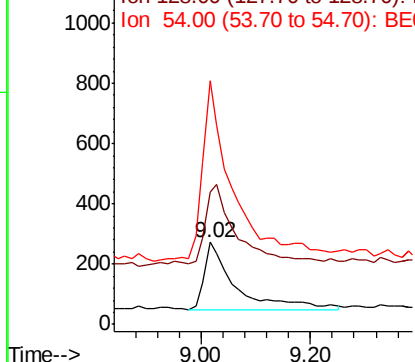
82 100

128 161.2 102.4 153.6#

54 296.0 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.455 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

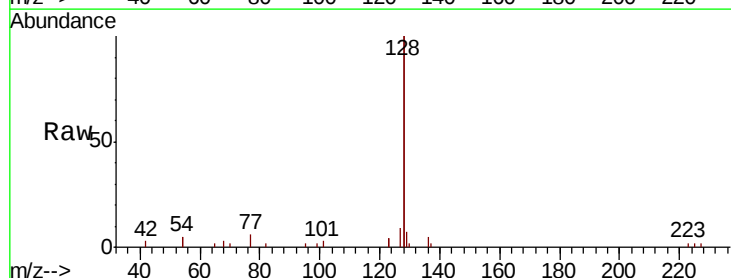
Tgt Ion:128 Resp: 11758

Ion Ratio Lower Upper

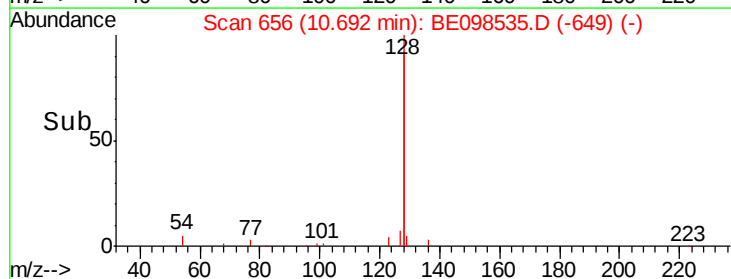
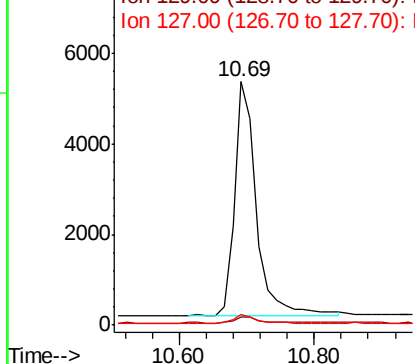
128 100

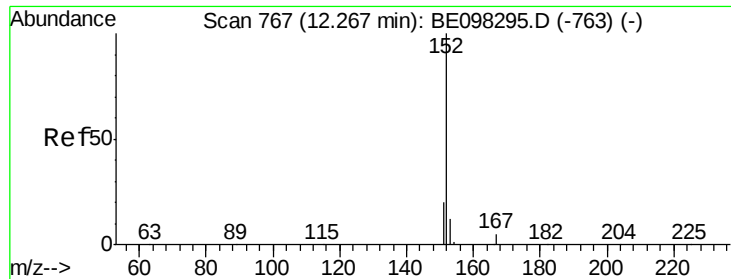
129 3.5 2.5 3.7

127 4.3 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

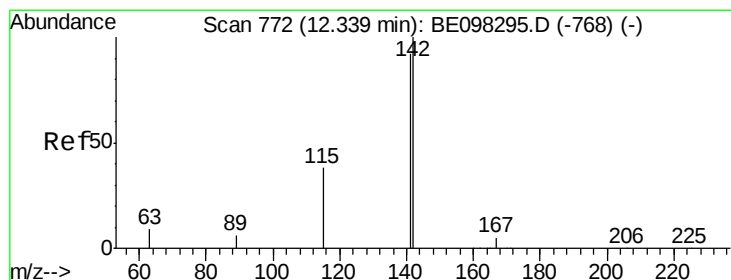
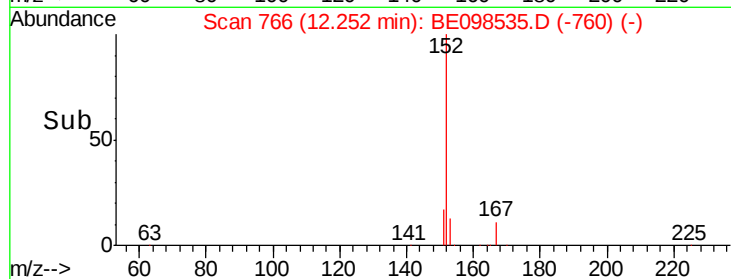
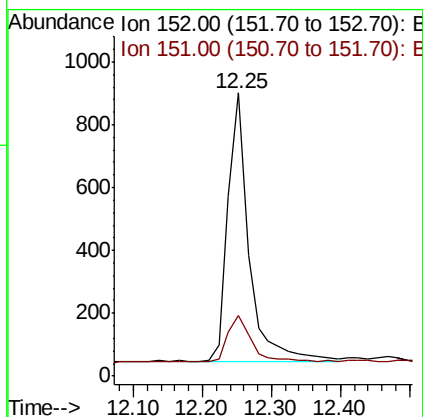
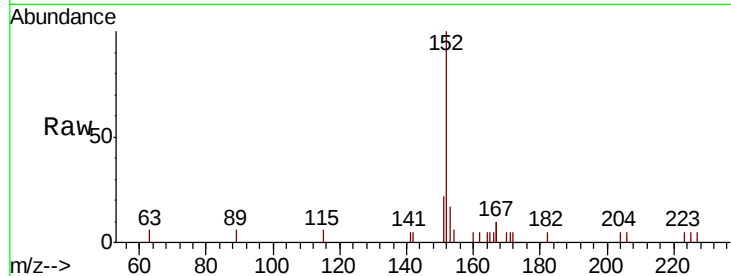




#11
 2-Methylnaphthalene-d10
 Concen: 0.440 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BE098535.D
 Acq: 20 Dec 2018 12:37

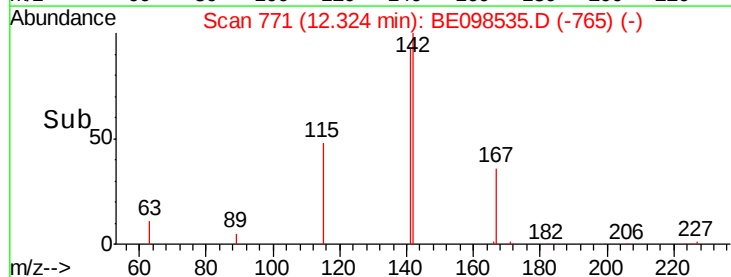
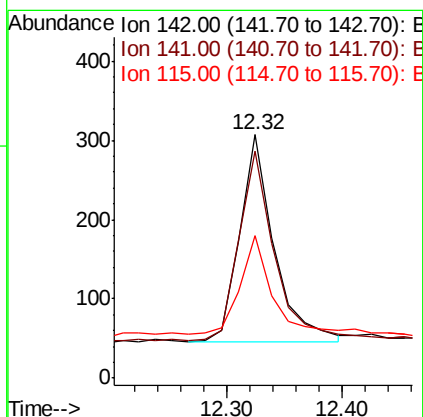
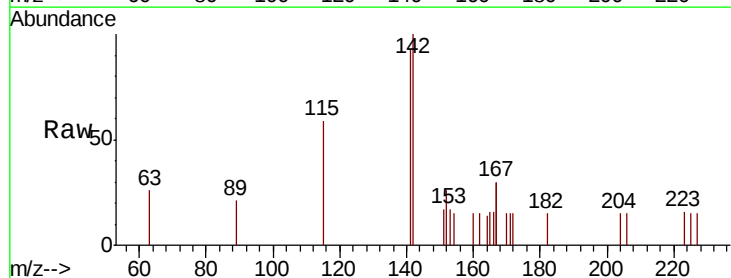
Instrument :
 BNA_F
 ClientSampleId :

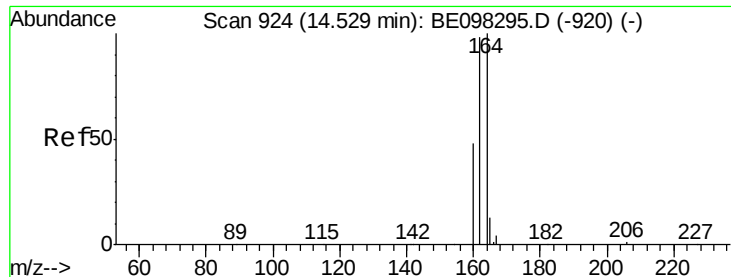
Tot Ion:152 Resp: 1835
 Ion Ratio Lower Upper
 152 100
 151 19.6 16.2 24.4



#12
 2-Methylnaphthalene
 Concen: 0.129 ng
 RT: 12.32 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BE098535.D
 Acq: 20 Dec 2018 12:37

Tgt Ion:142 Resp: 540
 Ion Ratio Lower Upper
 142 100
 141 93.5 71.0 106.6
 115 58.6 32.2 48.2#

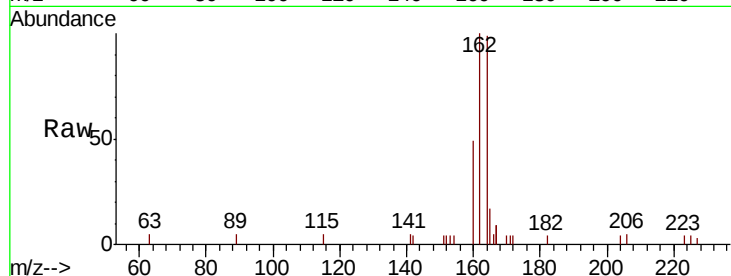




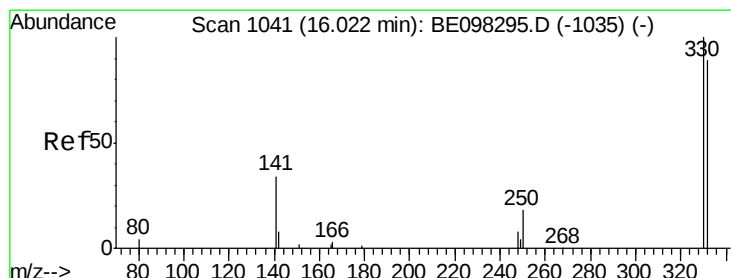
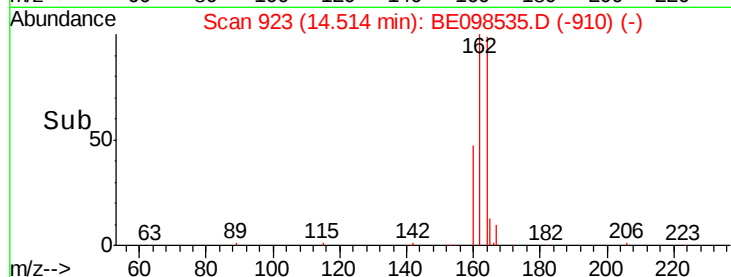
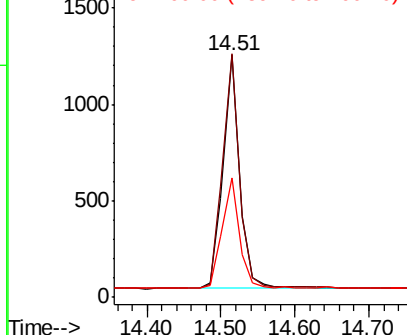
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 1884
Ion Ratio Lower Upper
164 100
162 100.6 77.6 116.4
160 49.2 36.0 54.0

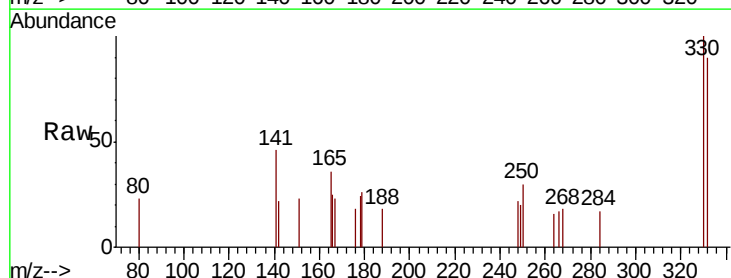


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

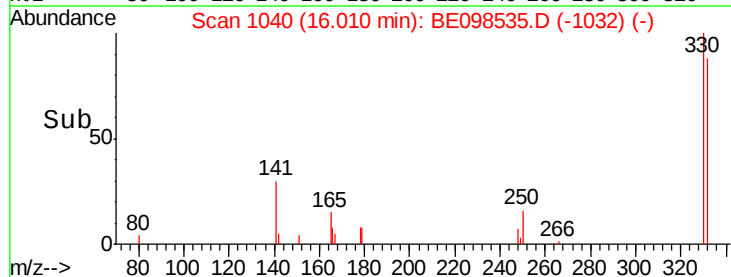
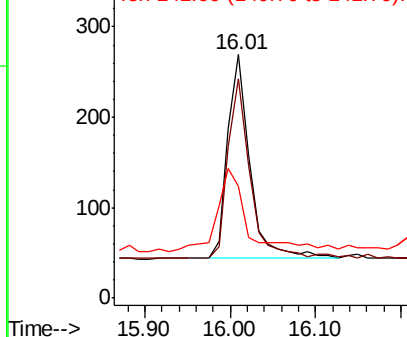


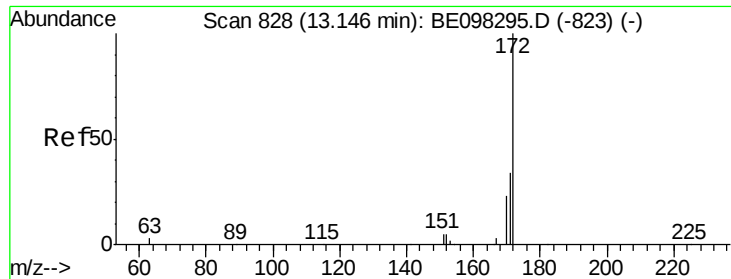
#14
2,4,6-Tribromophenol
Concen: 0.590 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Tgt Ion:330 Resp: 408
Ion Ratio Lower Upper
330 100
332 89.5 76.2 114.4
141 54.4 39.0 58.4



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

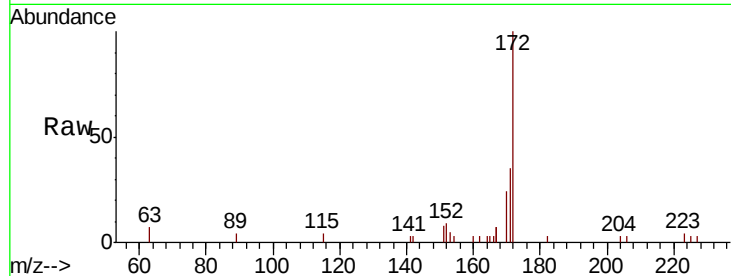




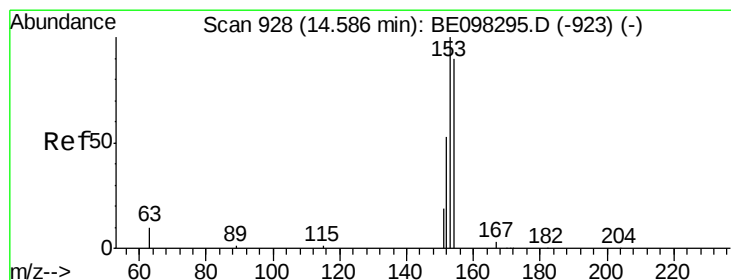
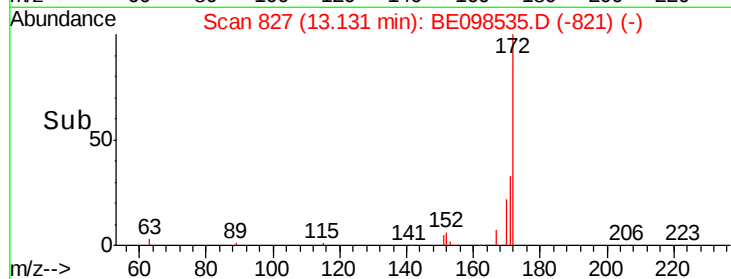
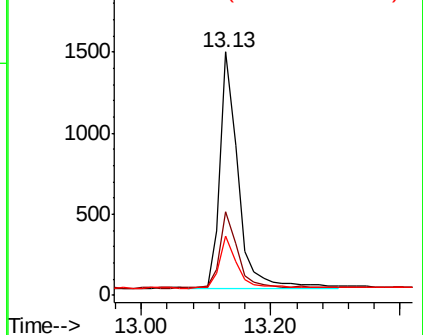
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2823
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 24.3 19.6 29.4

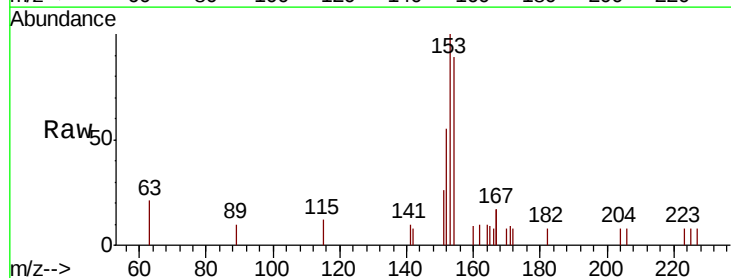


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

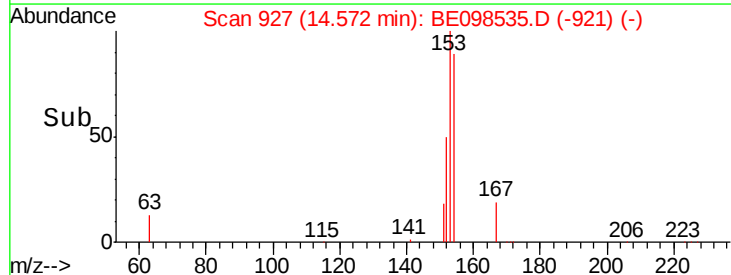
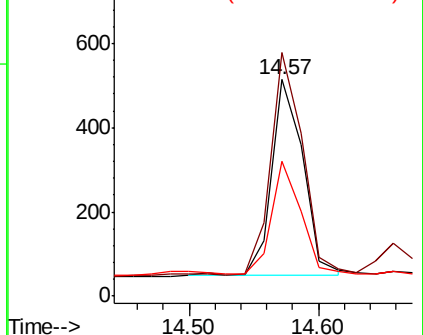


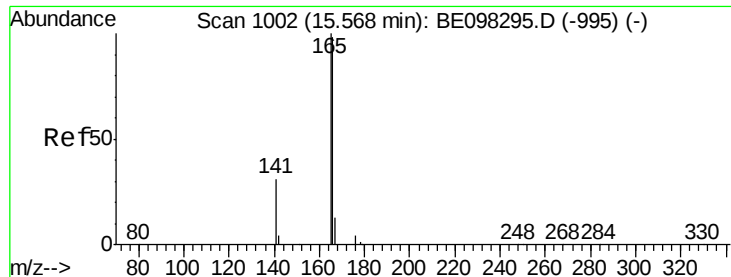
#17
Acenaphthene
Concen: 0.147 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Tgt Ion:154 Resp: 781
Ion Ratio Lower Upper
154 100
153 115.4 91.8 137.6
152 53.4 45.5 68.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

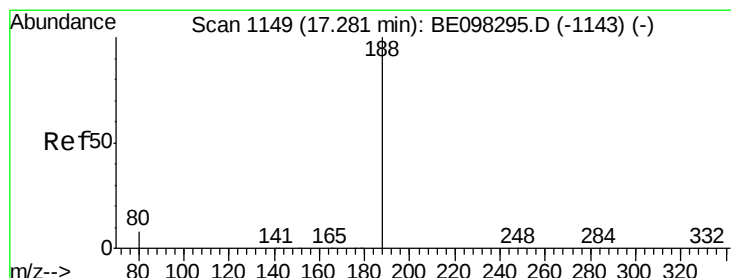
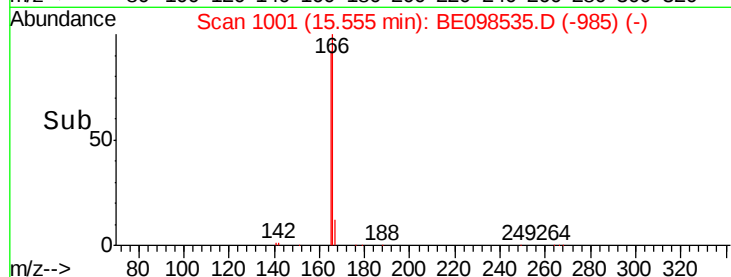
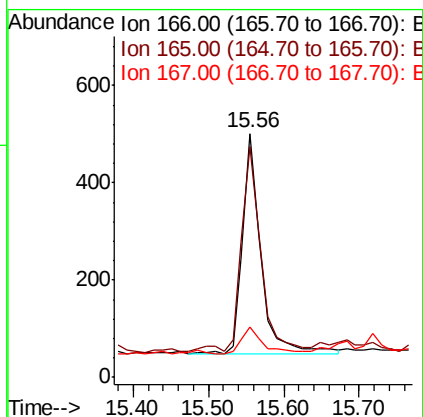
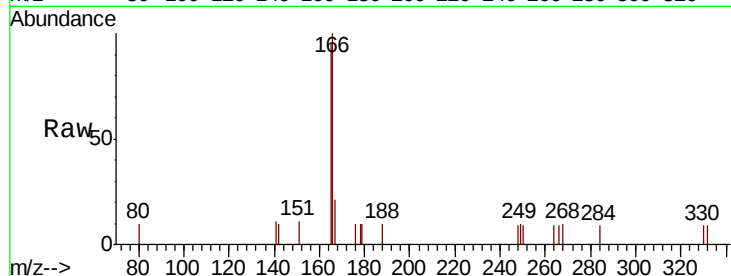




#18
Fluorene
Concen: 0.108 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

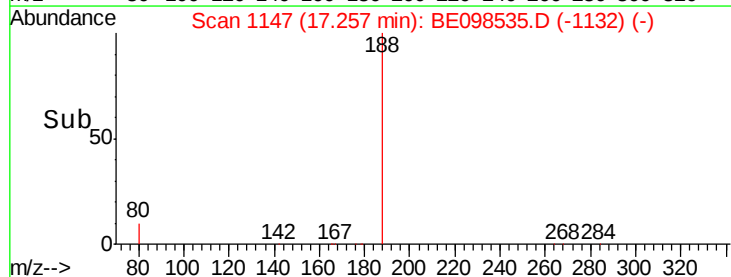
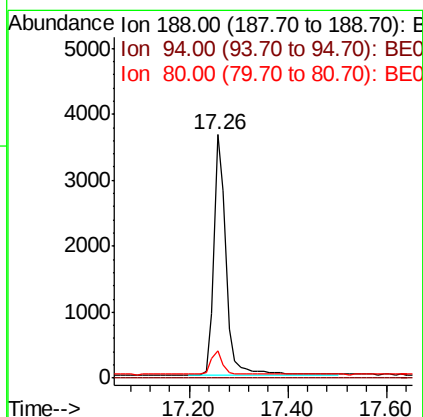
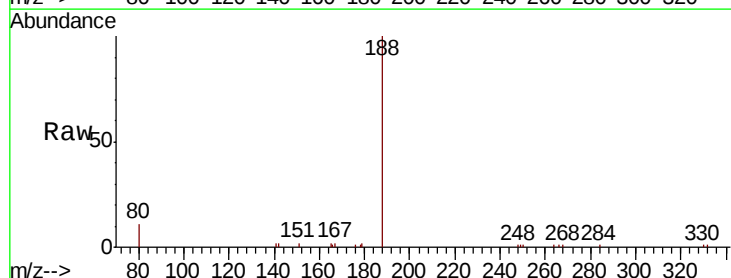
Instrument :
BNA_F
ClientSampleId :

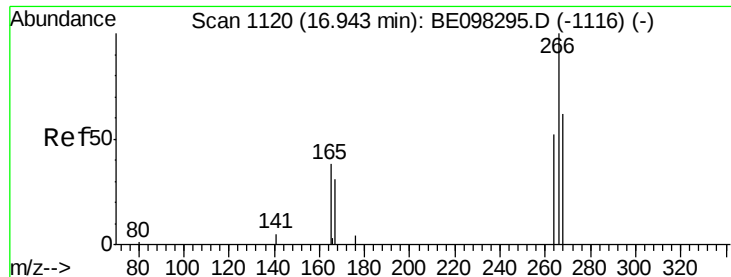
Tot Ion:166 Resp: 764
Ion Ratio Lower Upper
166 100
165 97.9 79.3 118.9
167 14.8 11.3 16.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Tgt Ion:188 Resp: 6268
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 7.2 10.8#

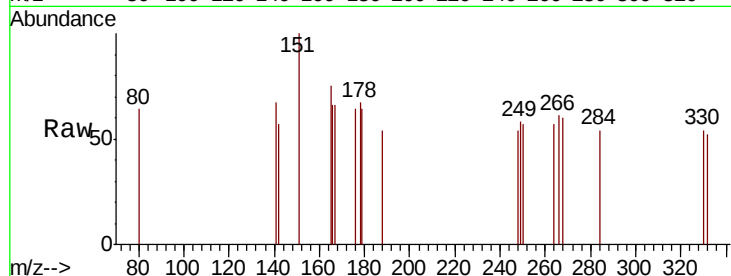




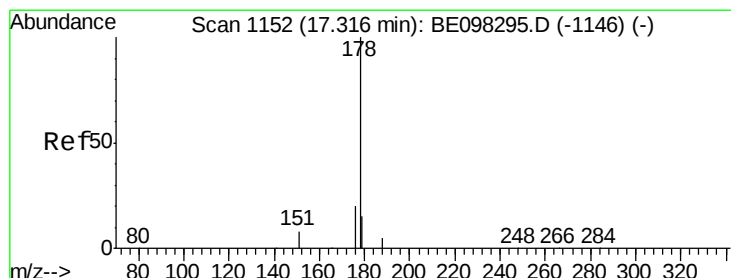
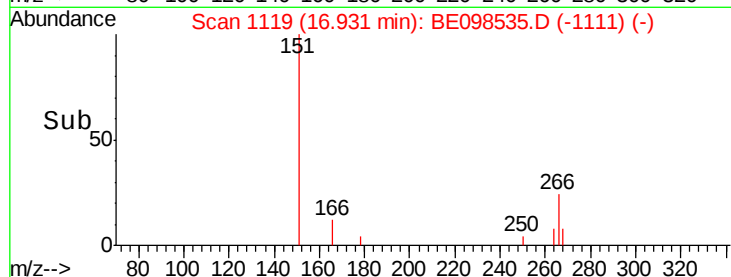
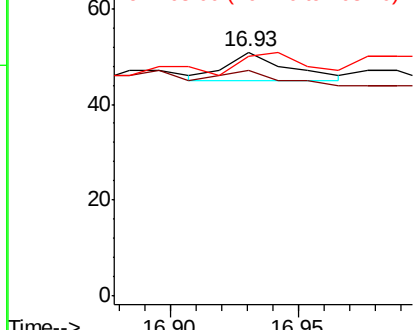
#22
 Pentachlorophenol
 Concen: 0.034 ng
 RT: 16.93 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BE098535.D
 Acq: 20 Dec 2018 12:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 264 92.2 59.0 88.4#
 268 98.0 55.1 82.7#

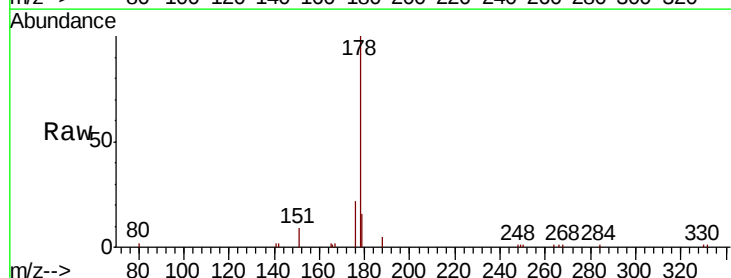


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

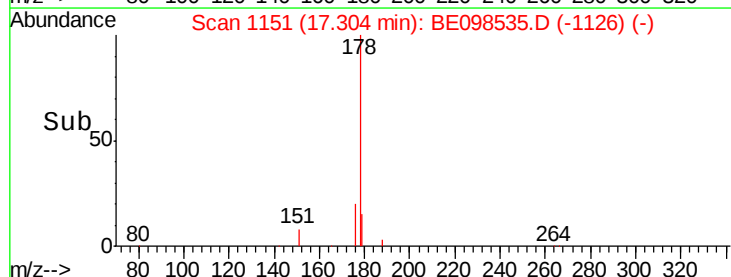
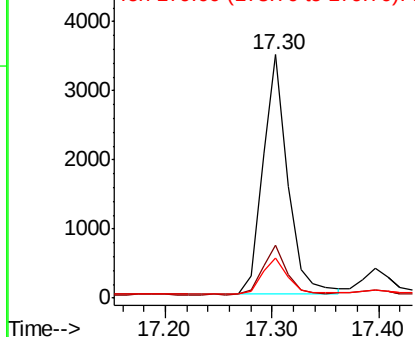


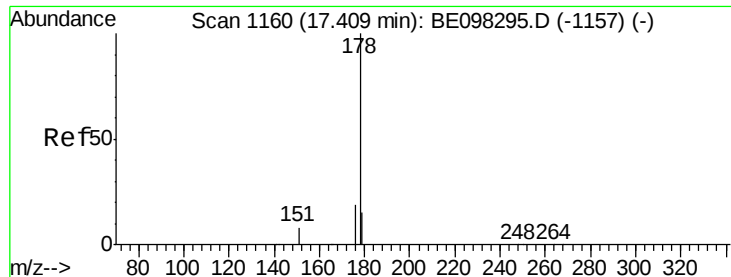
#23
 Phenanthrene
 Concen: 0.370 ng
 RT: 17.30 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BE098535.D
 Acq: 20 Dec 2018 12:37

Tgt Ion:178 Resp: 5635
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.9 23.9
 179 15.5 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.051 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

Instrument :

BNA_F

ClientSampled :

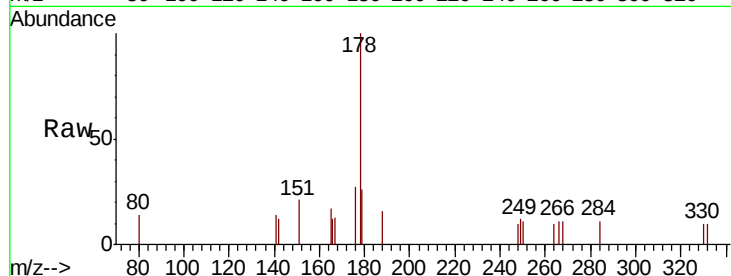
Tot Ion:178 Resp: 695

Ion Ratio Lower Upper

178 100

176 21.6 15.0 22.4

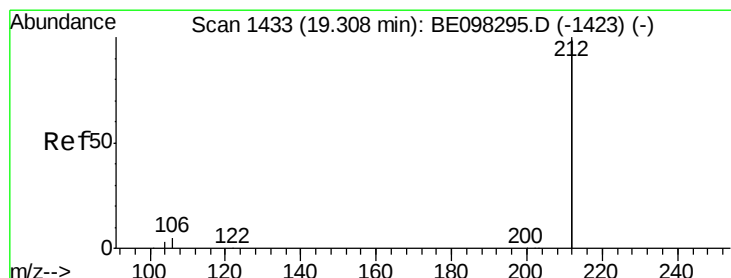
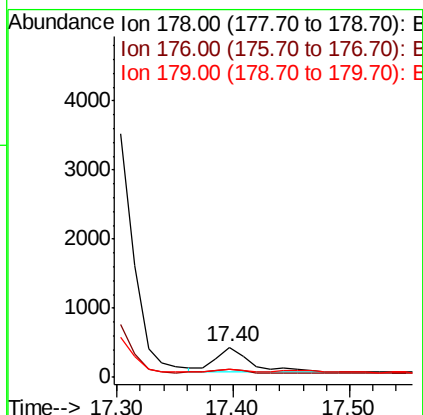
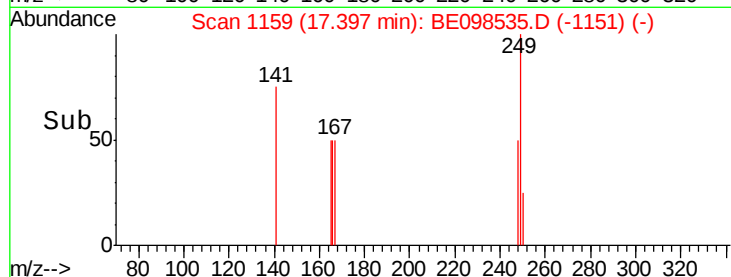
179 12.8 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.477 ng

RT: 19.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

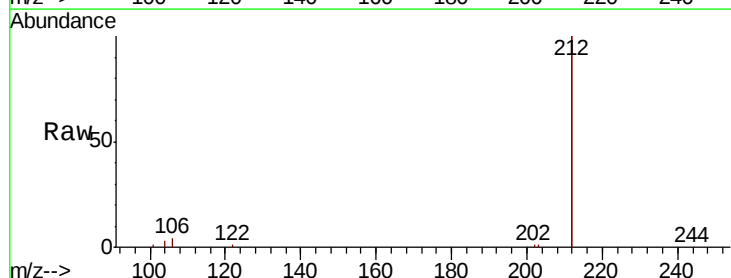
Tgt Ion:212 Resp: 38323

Ion Ratio Lower Upper

212 100

106 2.5 2.2 3.2

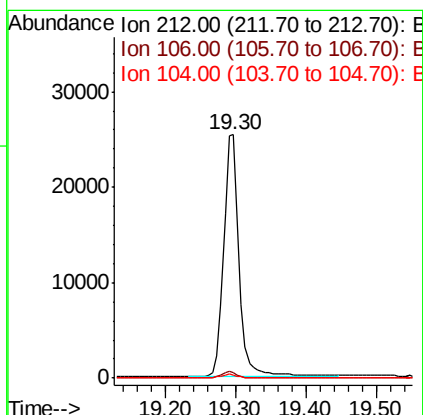
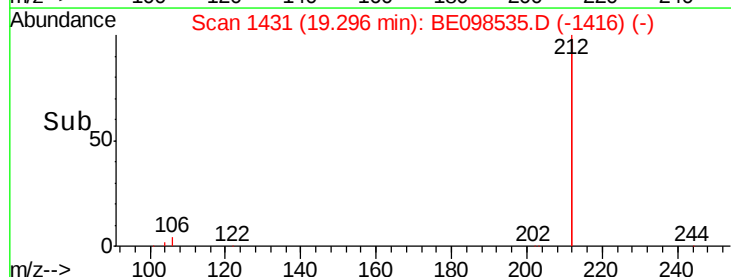
104 1.4 1.3 1.9

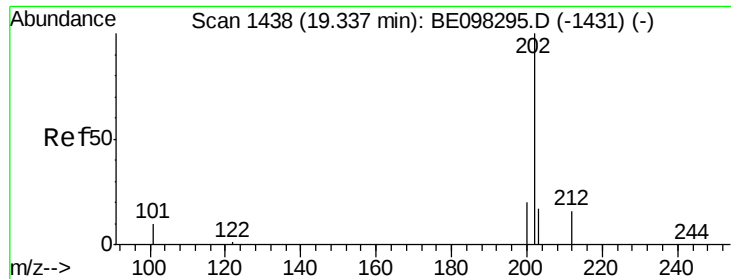


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

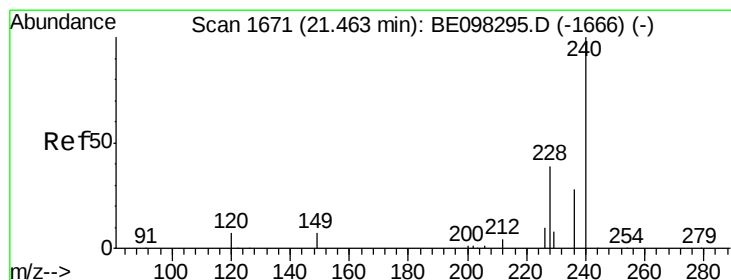
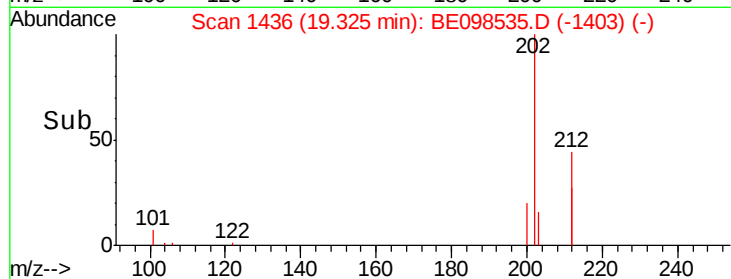
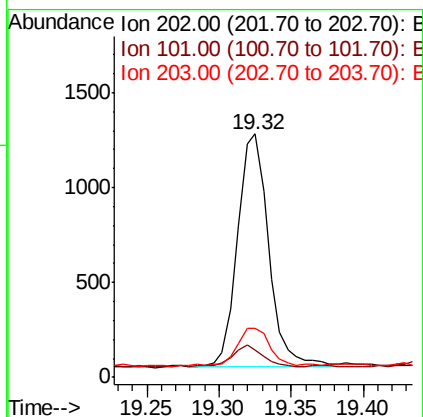
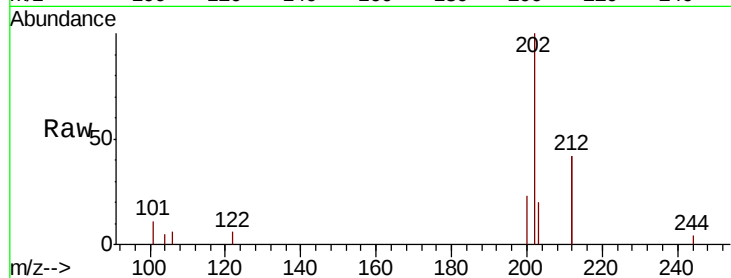




#26
 Fluoranthene
 Concen: 0.092 ng
 RT: 19.32 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BE098535.D
 Acq: 20 Dec 2018 12:37

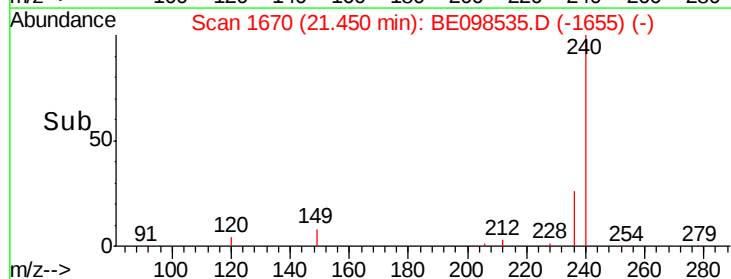
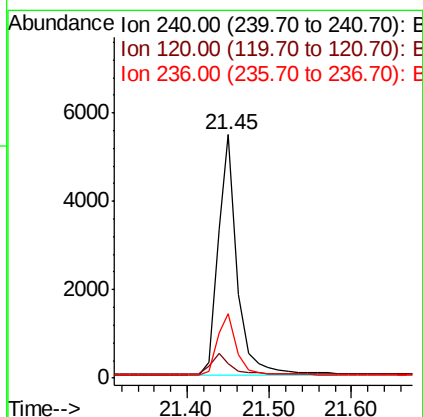
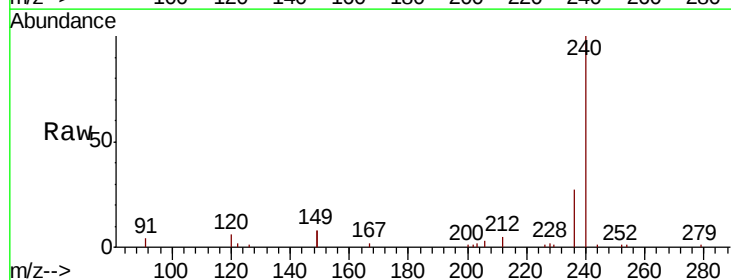
Instrument :
 BNA_F
 ClientSampleId :

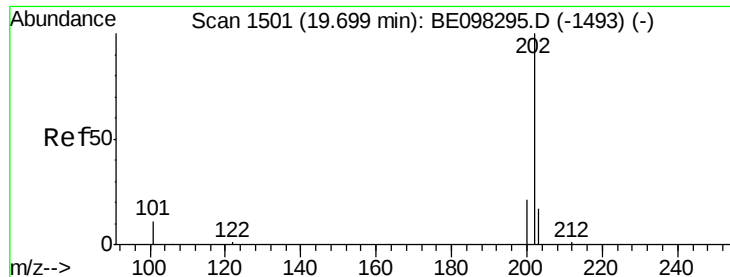
Tot Ion:202 Resp: 1852
 Ion Ratio Lower Upper
 202 100
 101 9.7 8.0 12.0
 203 18.3 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.45 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BE098535.D
 Acq: 20 Dec 2018 12:37

Tgt Ion:240 Resp: 8958
 Ion Ratio Lower Upper
 240 100
 120 5.7 9.5 14.3#
 236 26.6 22.7 34.1

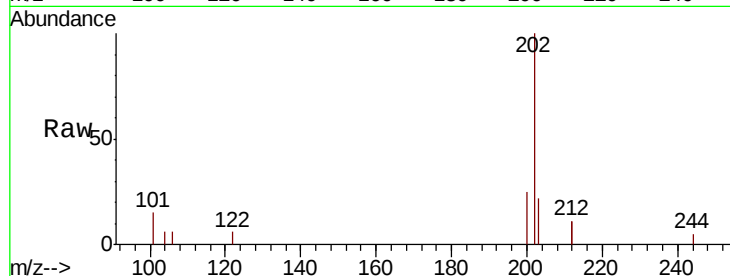




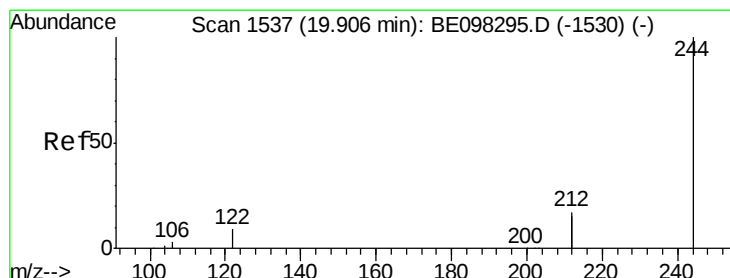
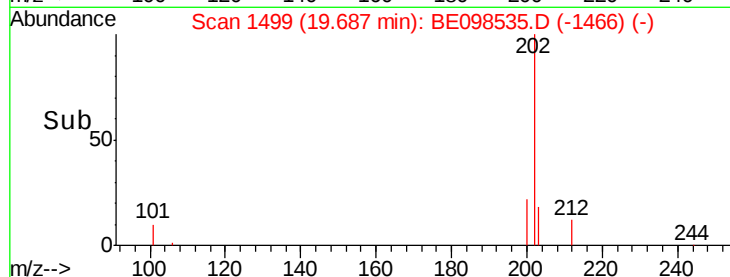
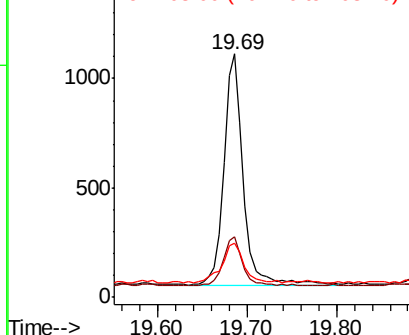
#28
Pvrene
Concen: 0.056 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 1565
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 20.8 14.1 21.1

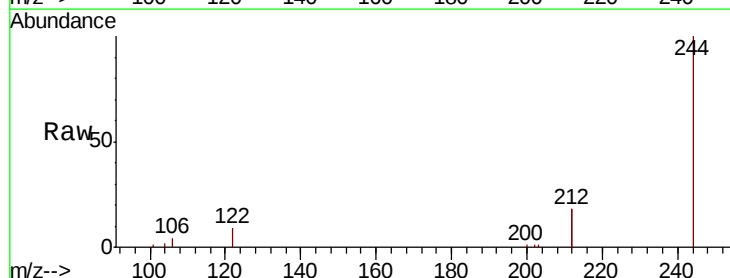


Abundance Ion 202.00 (201.70 to 202.70): E
1500 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

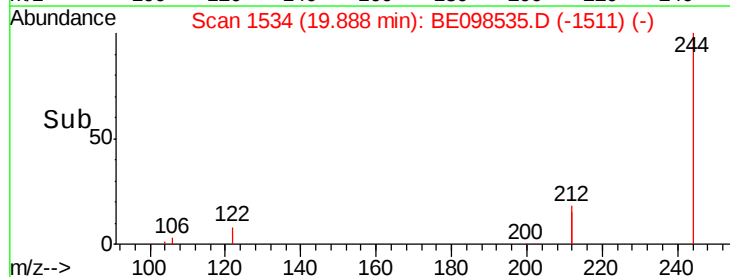
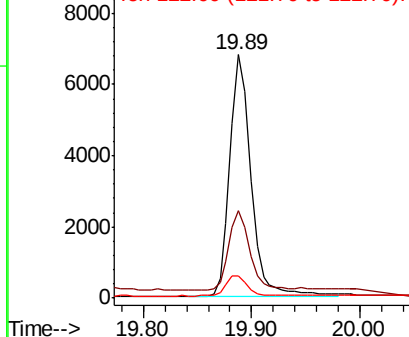


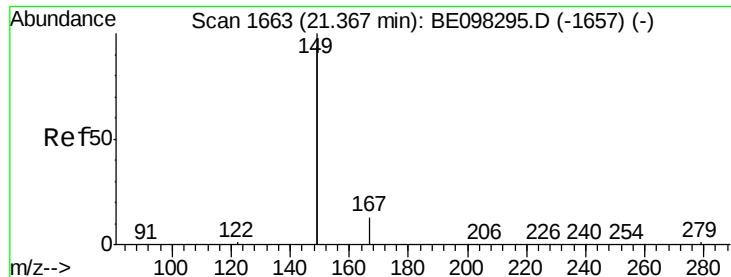
#29
Terphenyl-d14
Concen: 0.426 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098535.D
Acq: 20 Dec 2018 12:37

Tgt Ion:244 Resp: 9270
Ion Ratio Lower Upper
244 100
212 36.2 27.4 41.0
122 9.0 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E
8000 Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.112 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

Instrument :

BNA_F

ClientSampleId :

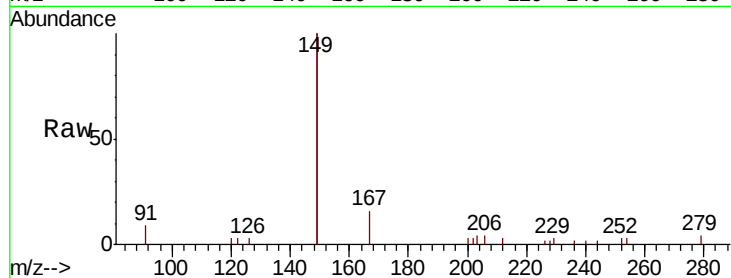
Tot Ion:149 Resp: 5785

Ion Ratio Lower Upper

149 100

167 7.4 5.7 8.5

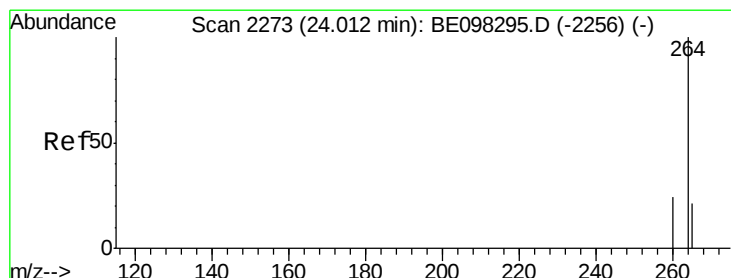
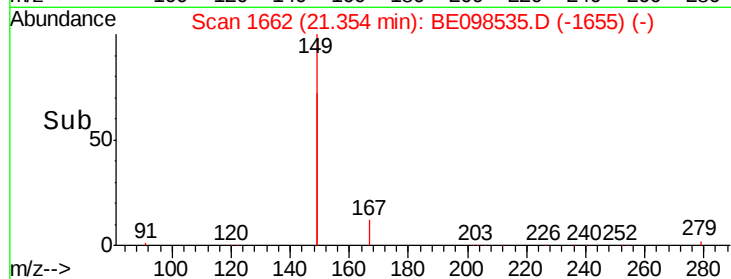
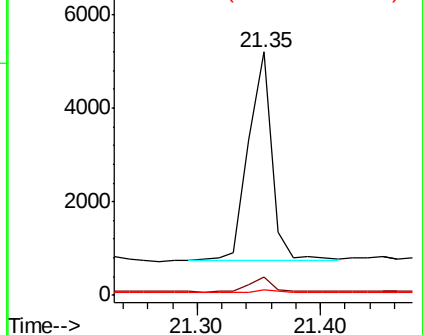
279 2.0 1.0 1.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.98 min Scan# 2265

Delta R.T. -0.03 min

Lab File: BE098535.D

Acq: 20 Dec 2018 12:37

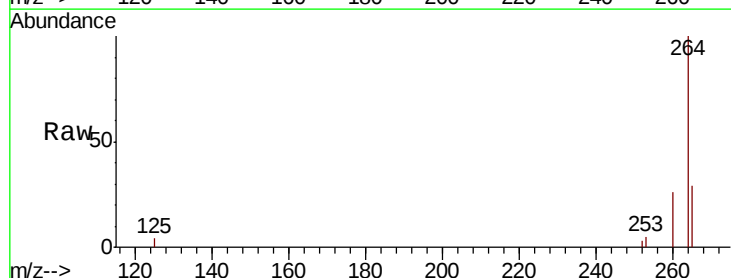
Tgt Ion:264 Resp: 7487

Ion Ratio Lower Upper

264 100

260 25.6 20.2 30.2

265 28.9 25.2 37.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

