

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122018\
 Data File : BE098536.D
 Acq On : 20 Dec 2018 13:16
 Operator : SJ/JU
 Sample : J6319-20
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 20 14:01:25 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	897	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	3828	0.40	ng	-0.03
13) Acenaphthene-d10	14.51	164	2532	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	6876	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8154	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7843	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	375	0.18	ng	0.00
5) Phenol-d6	7.02	99	350	0.12	ng	-0.02
8) Nitrobenzene-d5	9.02	82	1119	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2364	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	427	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	3797	0.36	ng	-0.02
25) Fluoranthene-d10	19.29	212	34783	0.39	ng	-0.02
29) Terphenyl-d14	19.89	244	7875	0.40	ng	-0.02

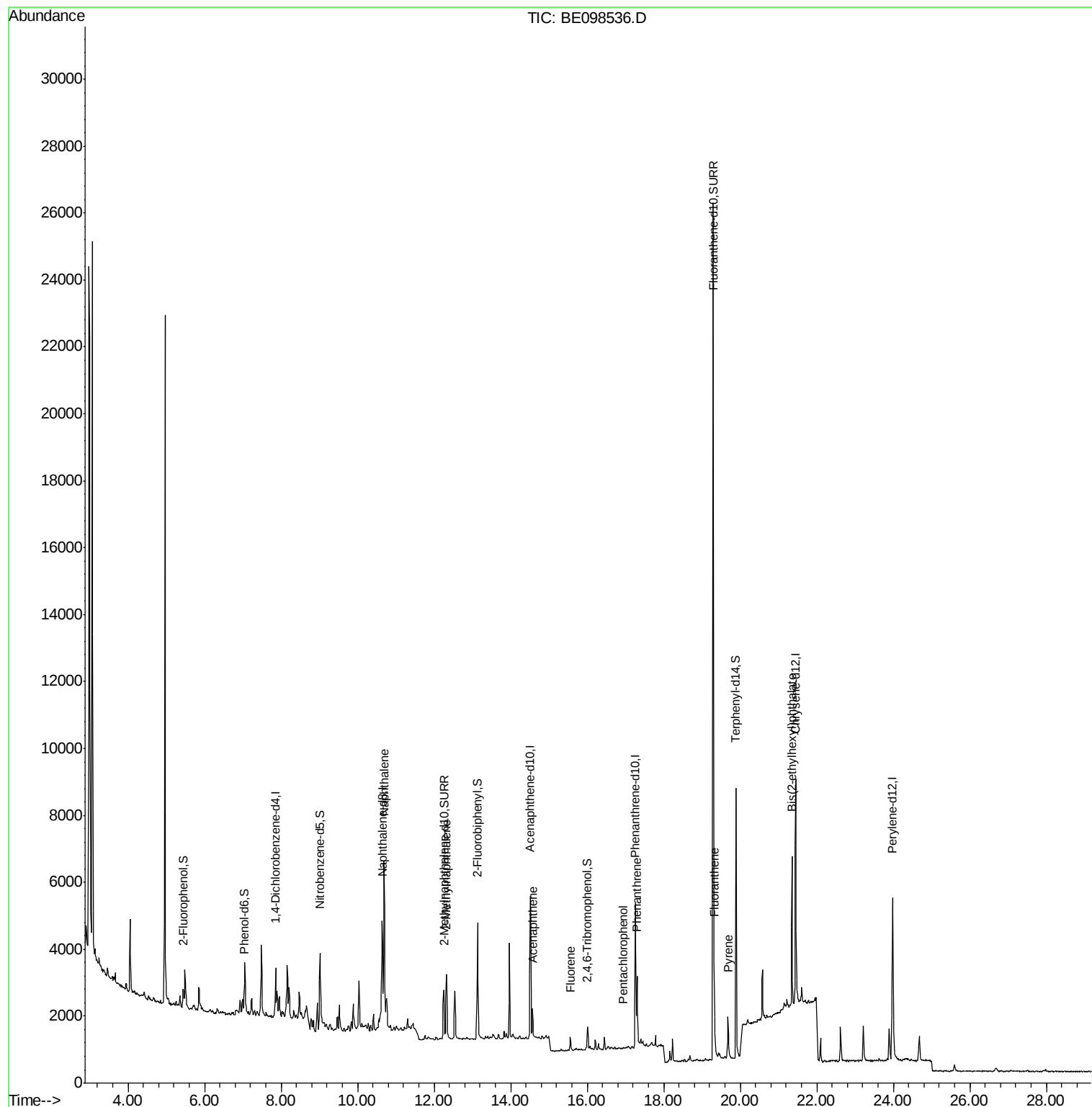
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.69	128	9092	0.236	ng	# 95
12) 2-Methylnaphthalene	12.32	142	1469	0.235	ng	# 87
17) Acenaphthene	14.57	154	448	0.063	ng	99
18) Fluorene	15.56	166	331	0.035	ng	87
22) Pentachlorophenol	16.93	266	10	0.032	ng	# 70
23) Phenanthrene	17.30	178	2366	0.142	ng	98
26) Fluoranthene	19.32	202	1315	0.059	ng	99
28) Pyrene	19.68	202	1259	0.049	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.35	149	5630	0.119	ng	100

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

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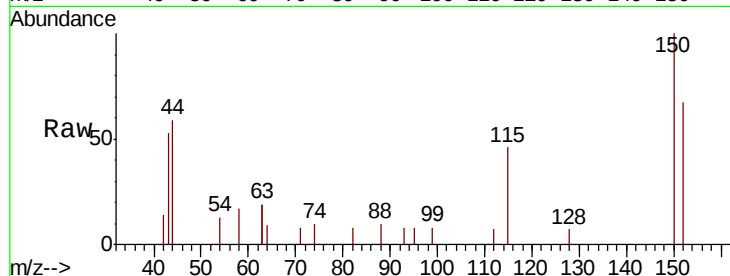


#1

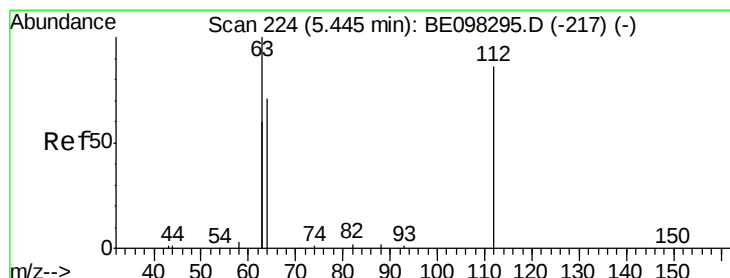
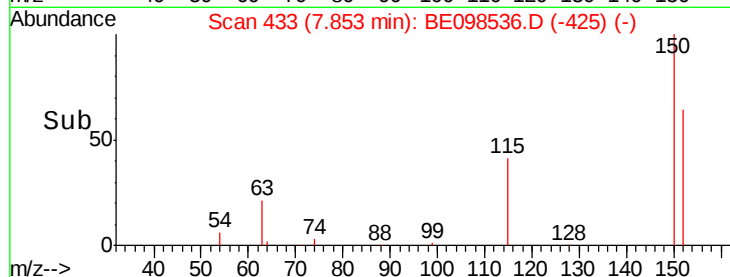
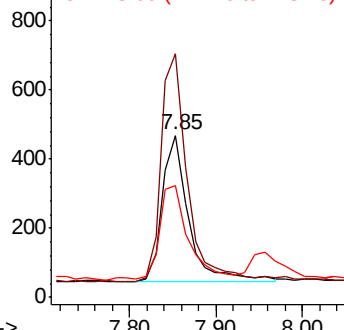
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 897
Ion Ratio Lower Upper
152 100
150 150.0 124.2 186.4
115 68.7 53.9 80.9



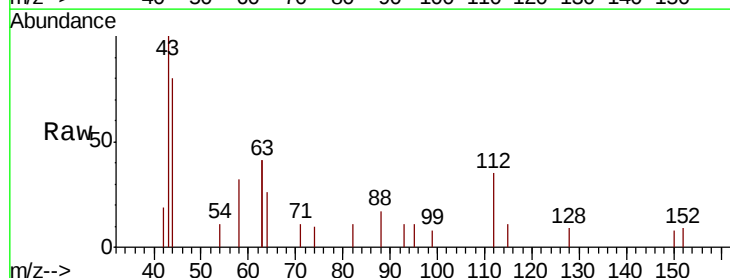
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



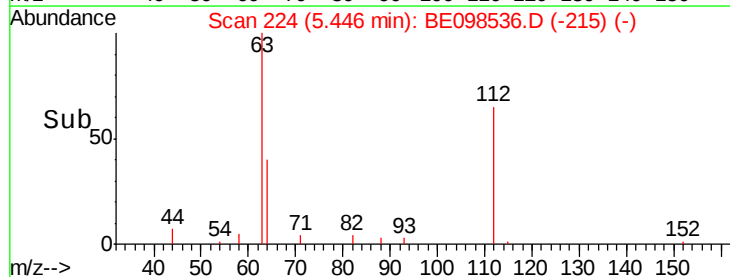
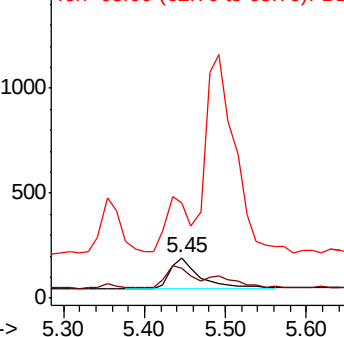
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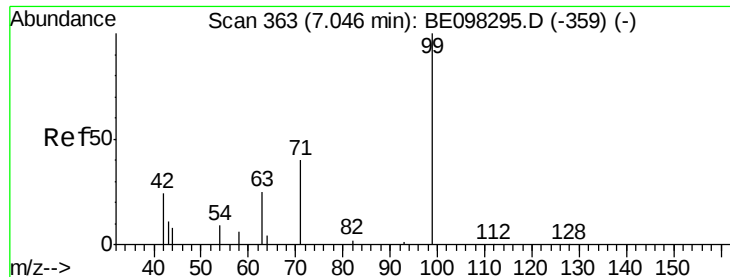
2-Fluorophenol
Concen: 0.179 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:112 Resp: 375
Ion Ratio Lower Upper
112 100
64 61.1 59.8 89.8
63 132.8 133.7 200.5#



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: 0.118 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

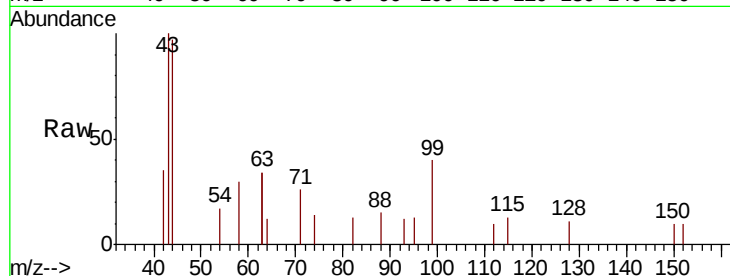
Tot Ion: 99 Resp: 350

Ion Ratio Lower Upper

99 100

42 50.3 26.3 39.5#

71 56.6 33.6 50.4#

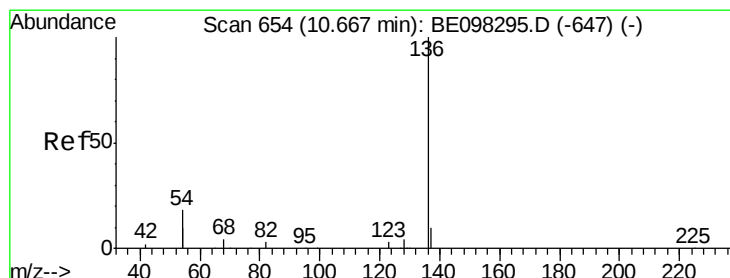
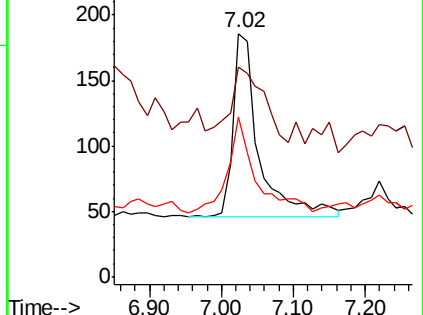
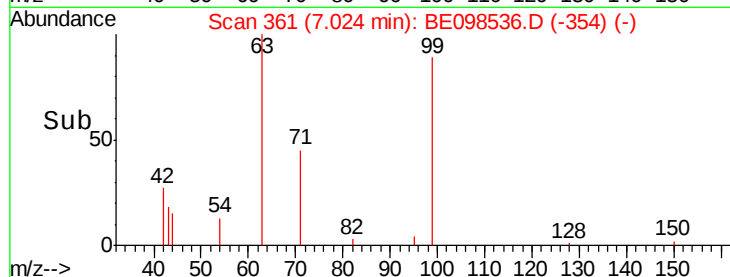


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.03 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Tgt Ion: 136 Resp: 3828

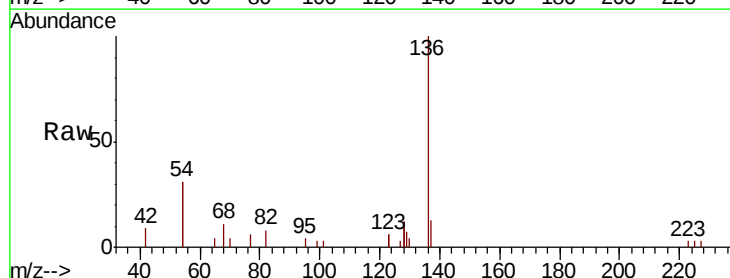
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 62.6 28.4 42.6#

68 10.9 5.4 8.0#



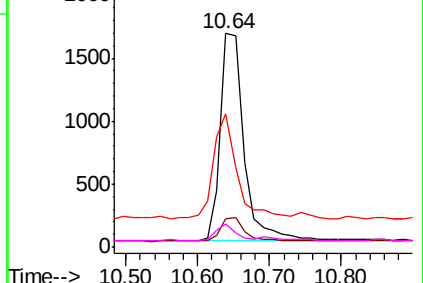
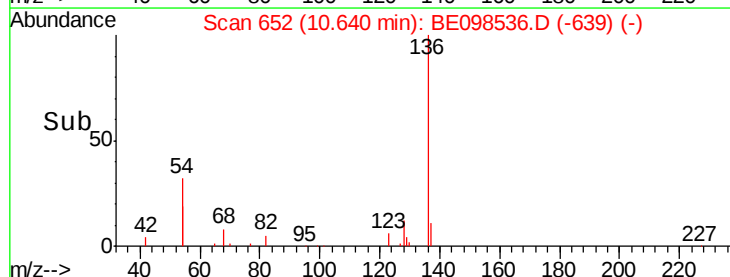
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->

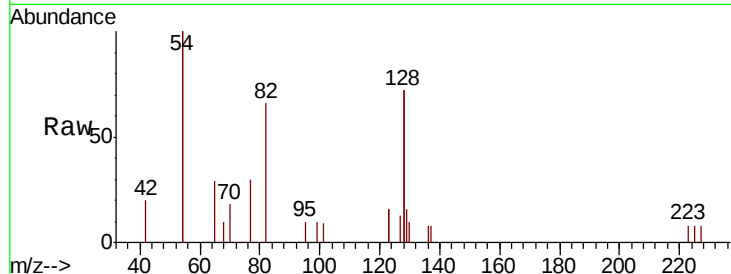




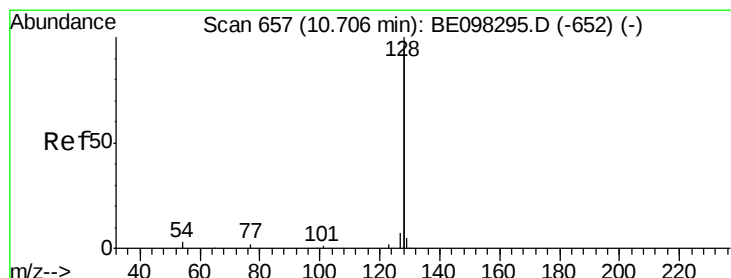
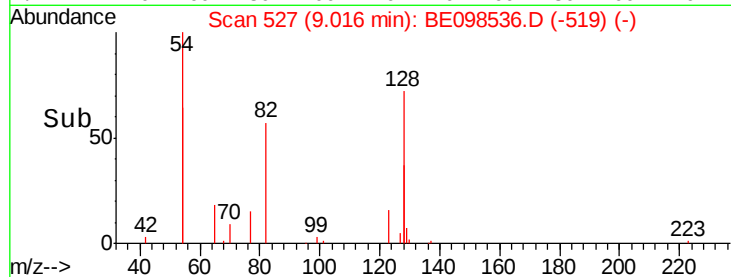
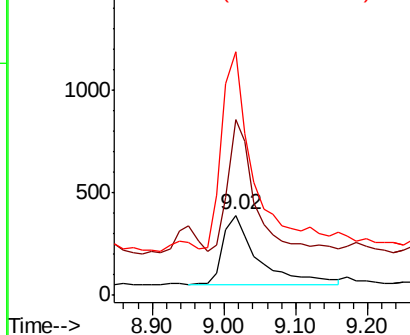
#8
 Nitrobenzene-d5
 Concen: 0.321 ng
 RT: 9.02 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BE098536.D
 Acq: 20 Dec 2018 13:16

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	218.9	102.4	153.6#
54	303.1	221.8	332.8

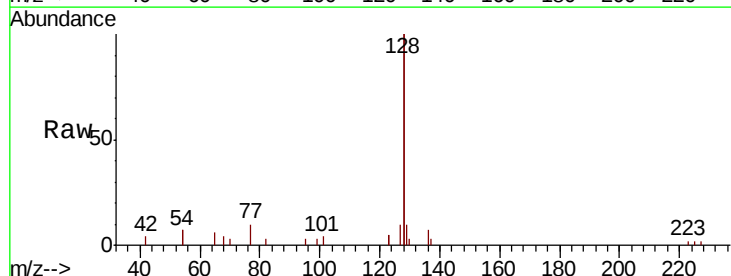


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0

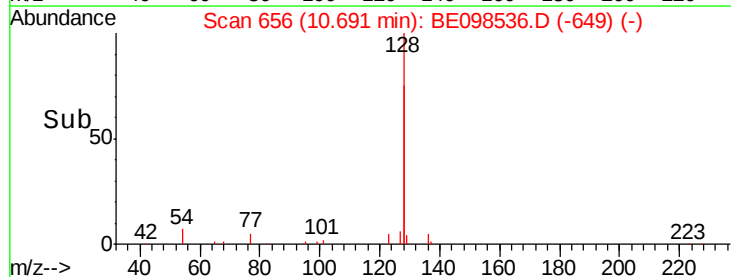
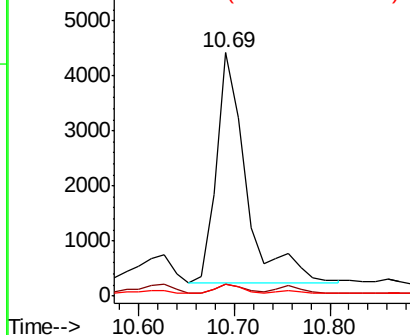


#9
 Naphthalene
 Concen: 0.236 ng
 RT: 10.69 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BE098536.D
 Acq: 20 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.1	2.5	3.7#
127	4.9	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: 0.380 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

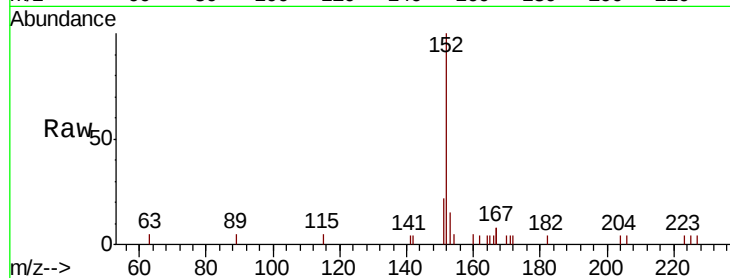
ClientSampled :

Tot Ion:152 Resp: 2364

Ion Ratio Lower Upper

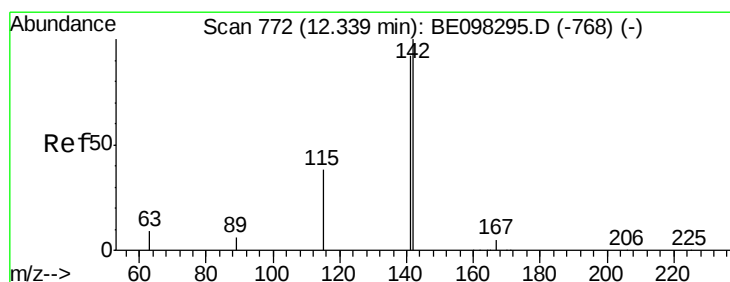
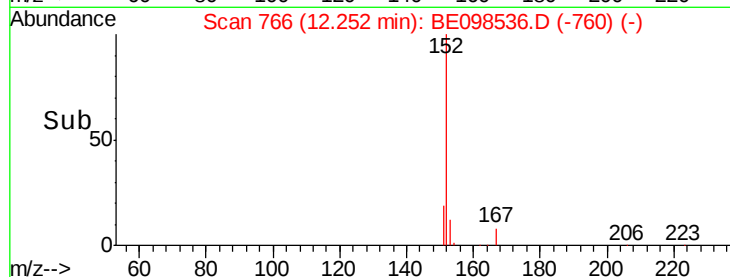
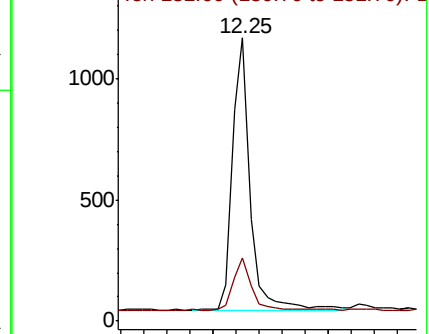
152 100

151 19.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.235 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

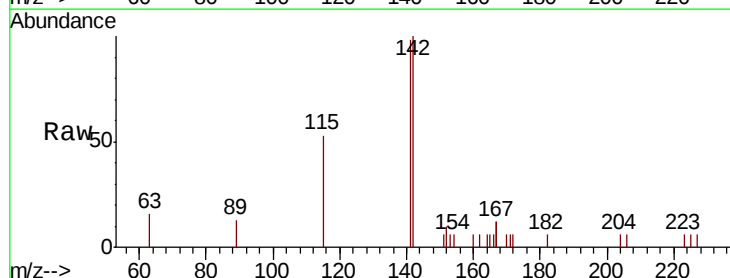
Tgt Ion:142 Resp: 1469

Ion Ratio Lower Upper

142 100

141 98.0 71.0 106.6

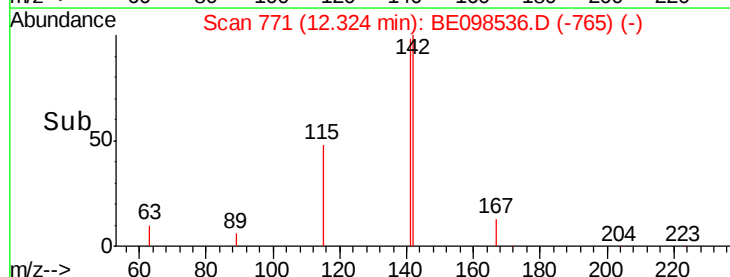
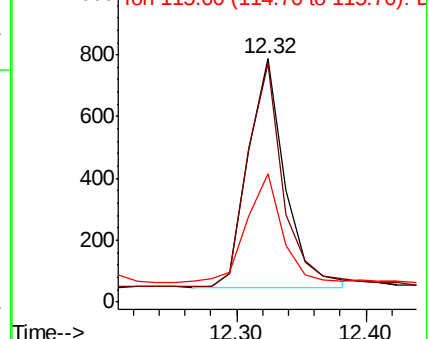
115 52.5 32.2 48.2#

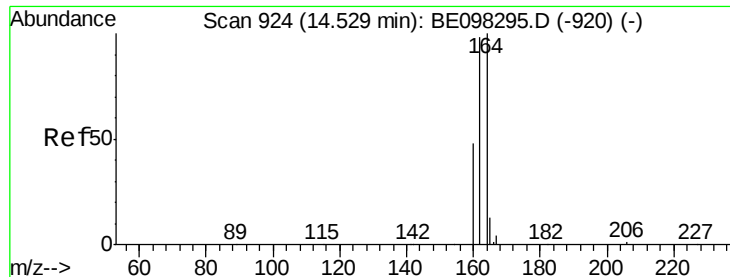


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

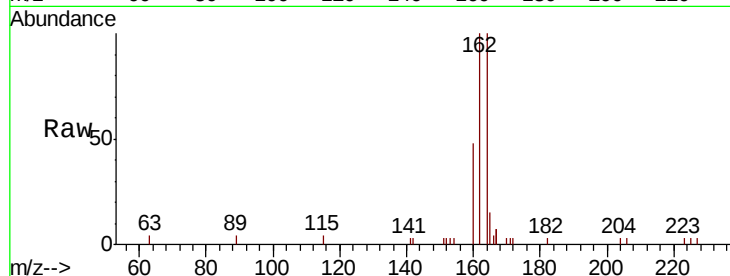




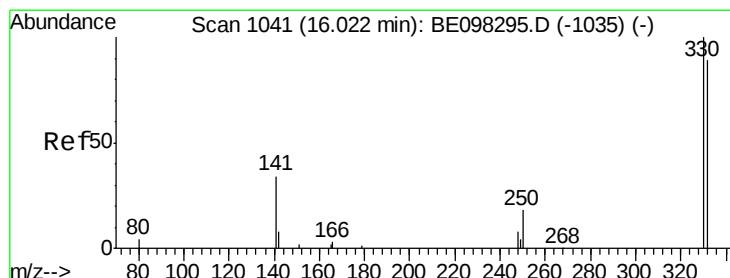
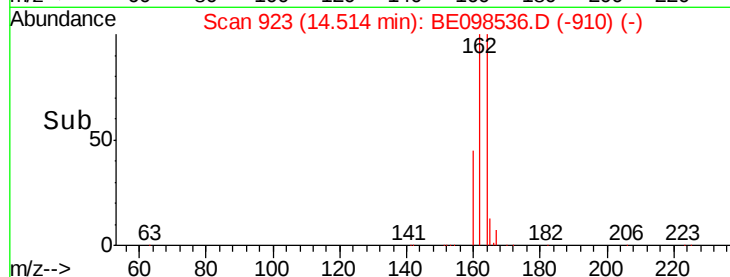
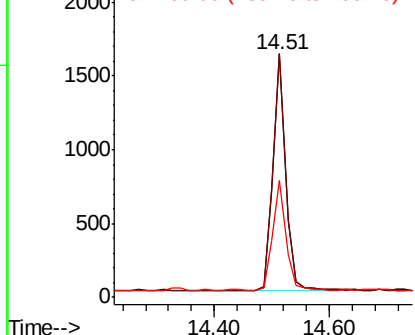
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2532
Ion Ratio Lower Upper
164 100
162 100.0 77.6 116.4
160 48.0 36.0 54.0

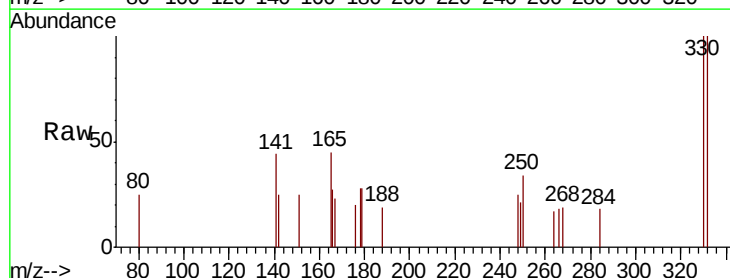


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

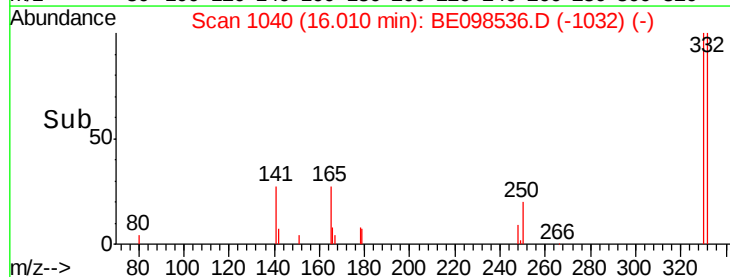
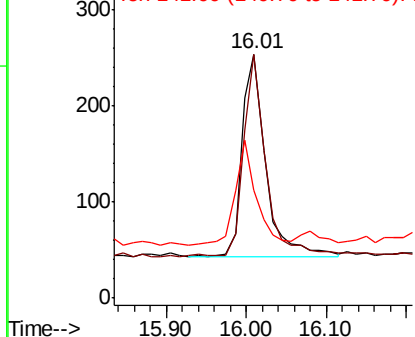


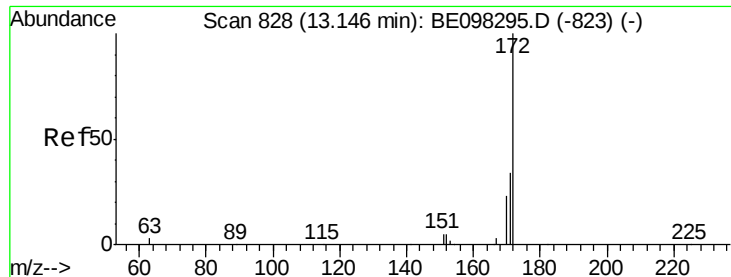
#14
2,4,6-Tribromophenol
Concen: 0.459 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:330 Resp: 427
Ion Ratio Lower Upper
330 100
332 93.4 76.2 114.4
141 46.6 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

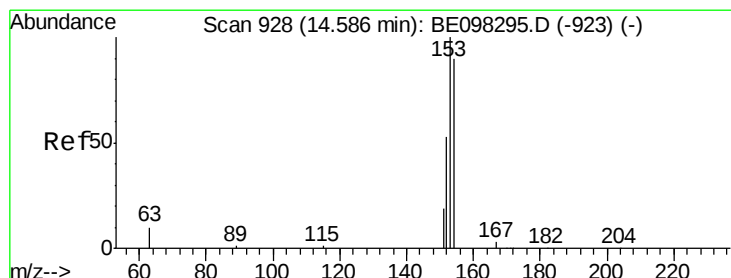
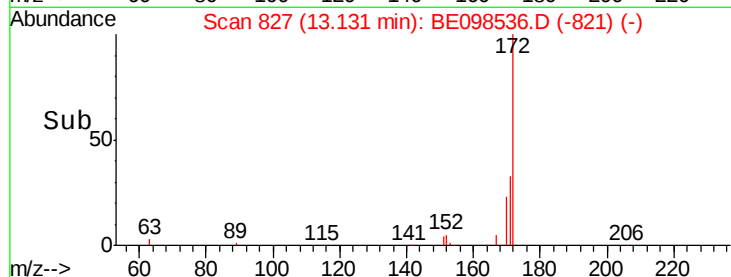
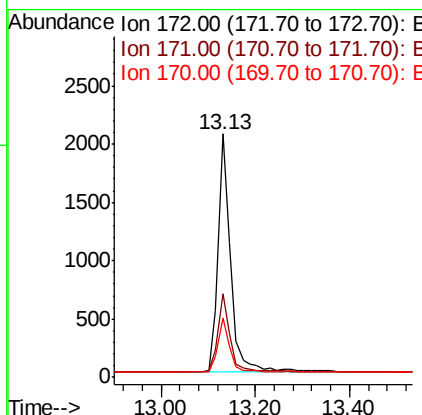
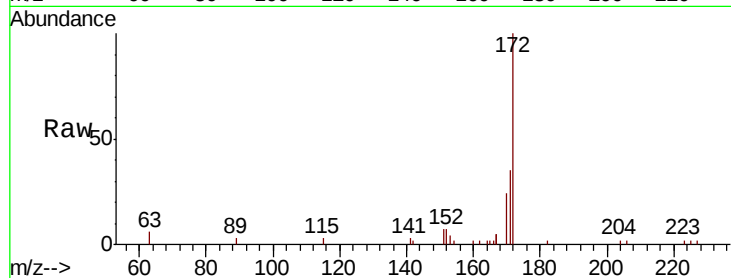




#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

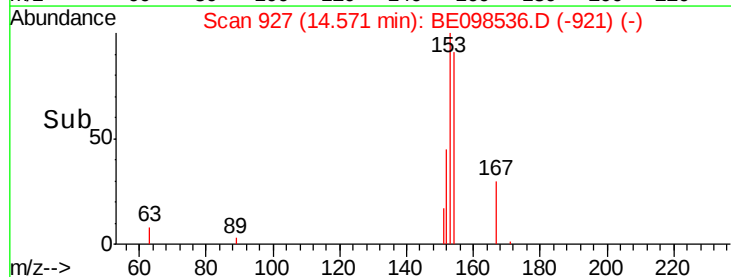
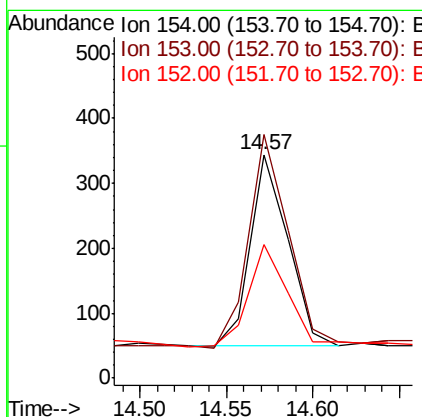
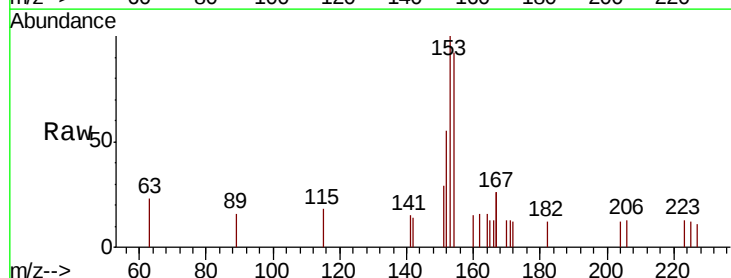
Instrument :
BNA_E
ClientSampled :

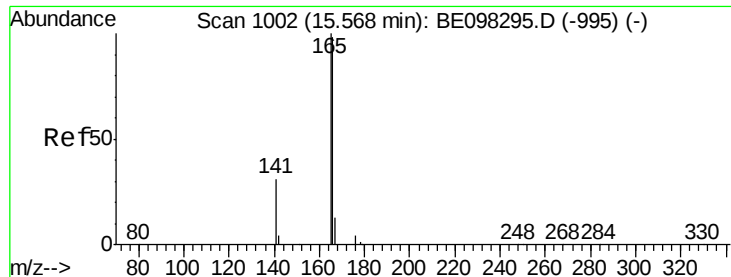
Tot Ion:172 Resp: 3797
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 24.2 19.6 29.4



#17
Acenaphthene
Concen: 0.063 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:154 Resp: 448
Ion Ratio Lower Upper
154 100
153 115.6 91.8 137.6
152 54.9 45.5 68.3

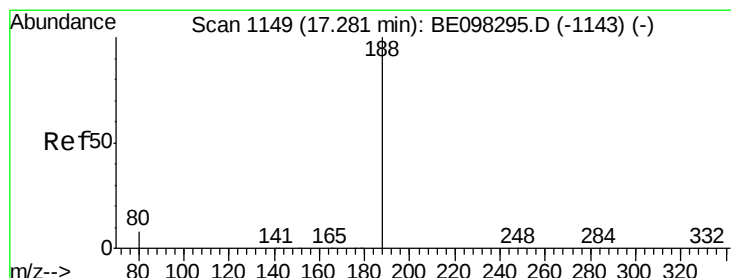
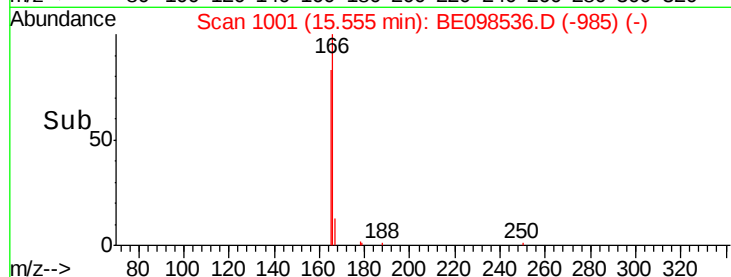
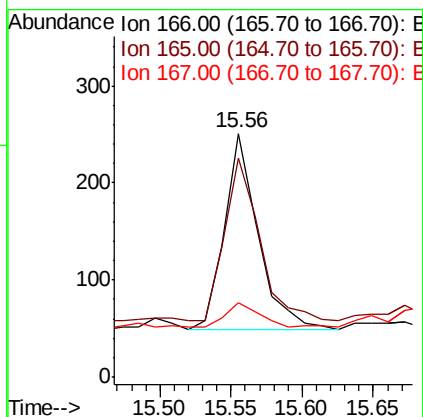
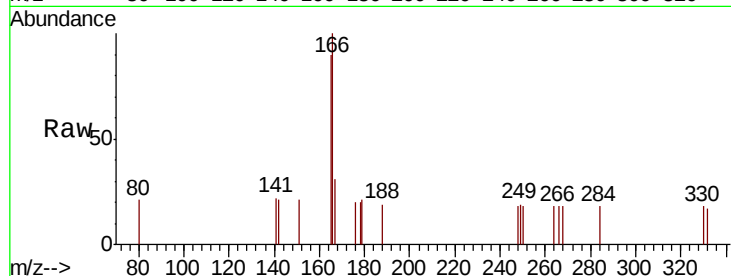




#18
 Fluorene
 Concen: 0.035 ng
 RT: 15.56 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: BE098536.D
 Acq: 20 Dec 2018 13:16

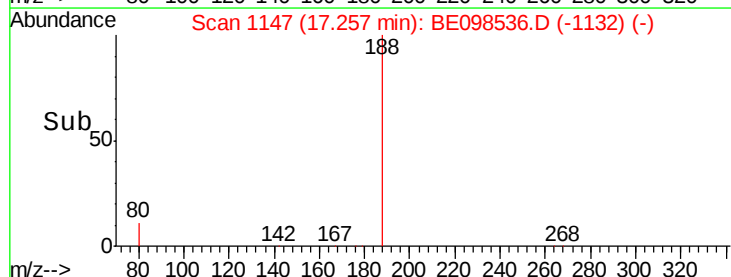
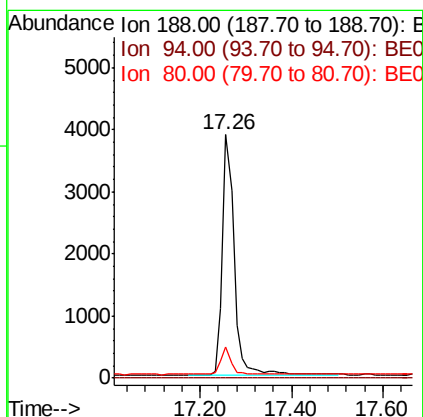
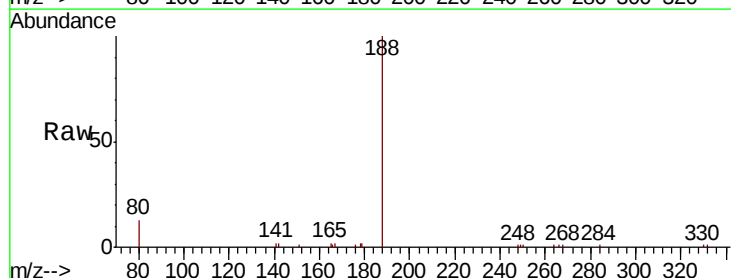
Instrument :
 BNA_E
 ClientSampleId :

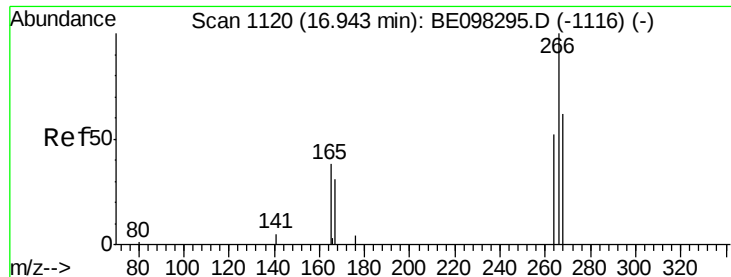
Tot Ion:166 Resp: 331
 Ion Ratio Lower Upper
 166 100
 165 85.2 79.3 118.9
 167 11.8 11.3 16.9



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.26 min Scan# 1147
 Delta R.T. -0.02 min
 Lab File: BE098536.D
 Acq: 20 Dec 2018 13:16

Tgt Ion:188 Resp: 6876
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 12.7 7.2 10.8#





#22

Pentachlorophenol

Concen: 0.032 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

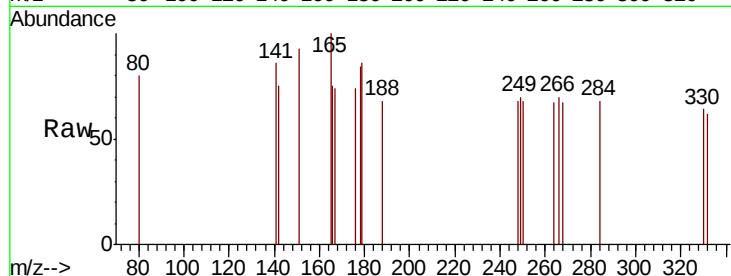
Tot Ion:266 Resp: 10

Ion Ratio Lower Upper

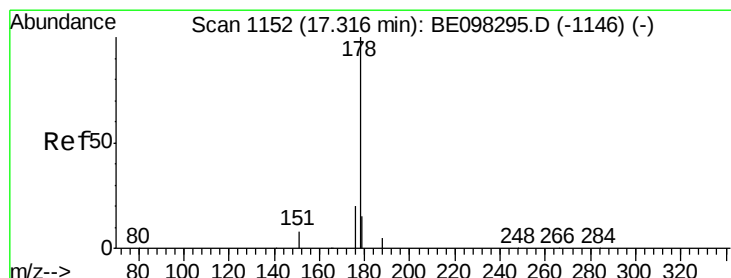
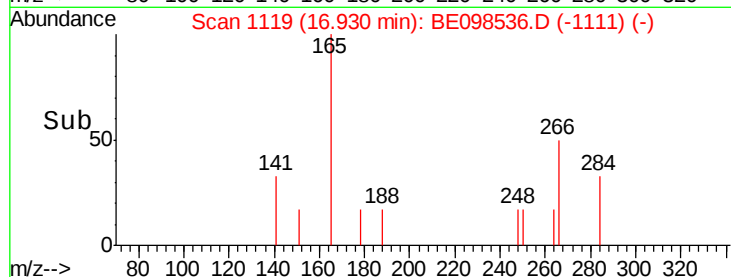
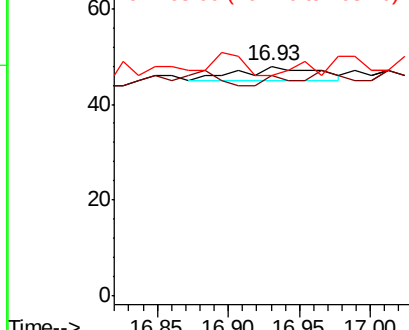
266 100

264 95.8 59.0 88.4#

268 95.8 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: 0.142 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

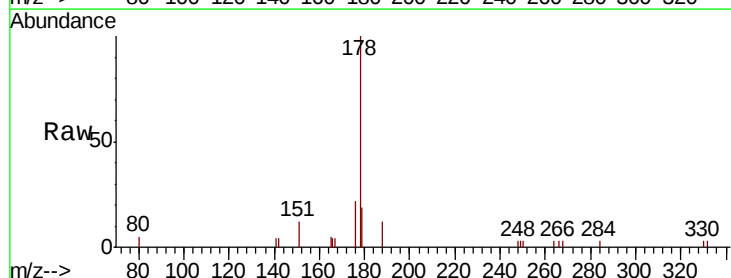
Tgt Ion:178 Resp: 2366

Ion Ratio Lower Upper

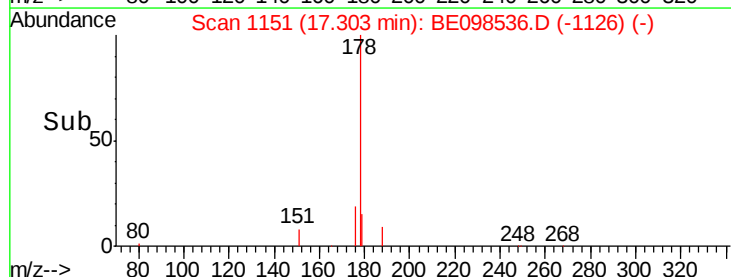
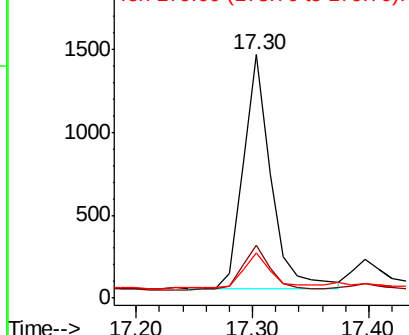
178 100

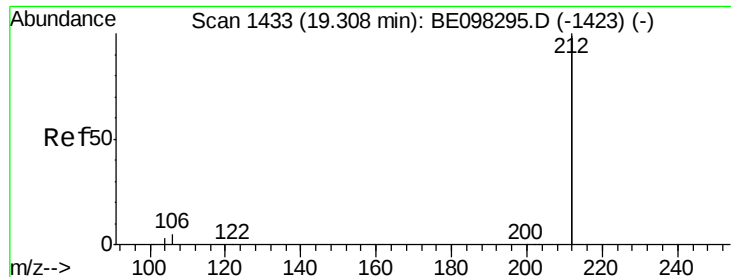
176 18.8 15.9 23.9

179 15.9 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: 0.394 ng

RT: 19.29 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

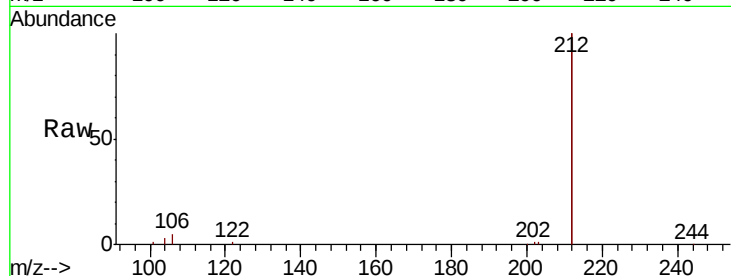
Tot Ion:212 Resp: 34783

Ion Ratio Lower Upper

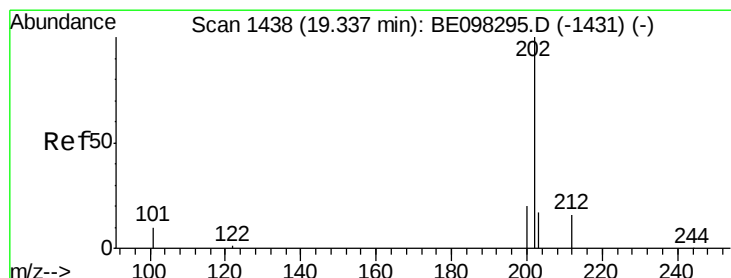
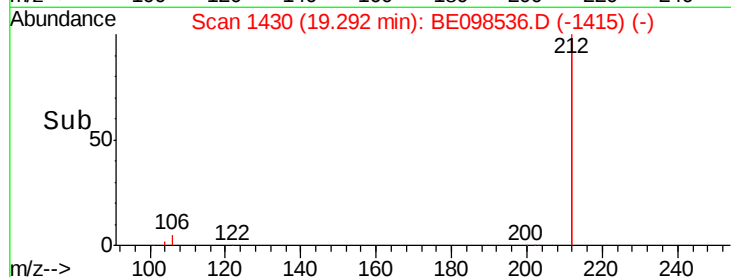
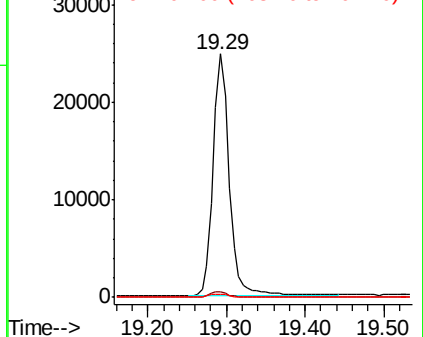
212 100

106 2.3 2.2 3.2

104 1.3 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: 0.059 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

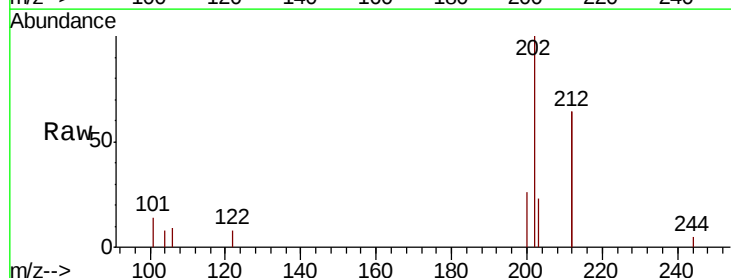
Tgt Ion:202 Resp: 1315

Ion Ratio Lower Upper

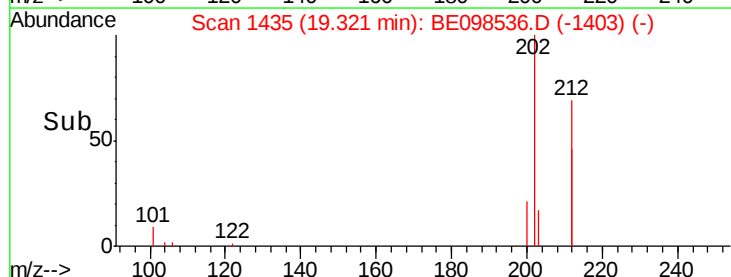
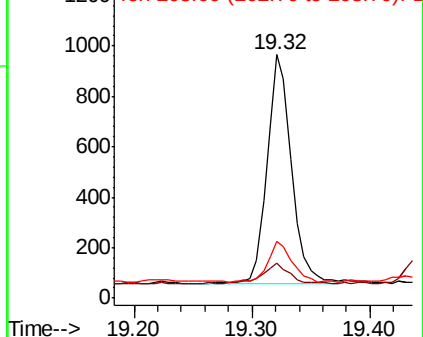
202 100

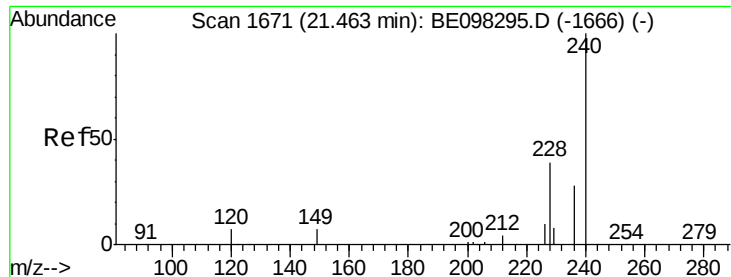
101 10.3 8.0 12.0

203 16.7 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

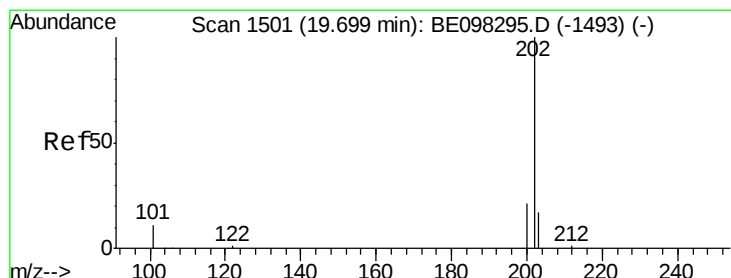
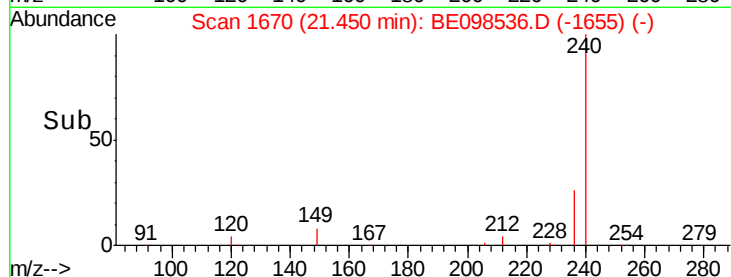
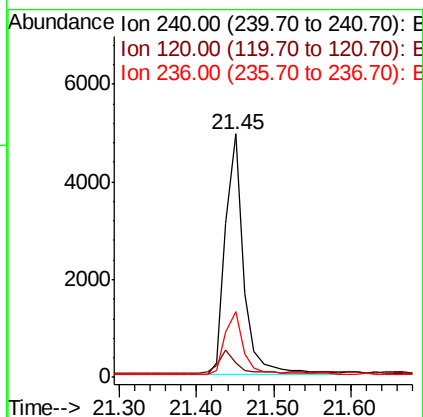
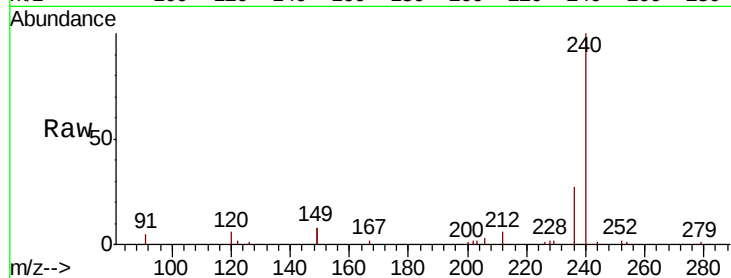




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

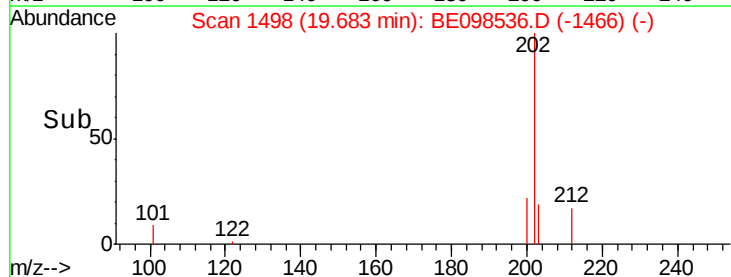
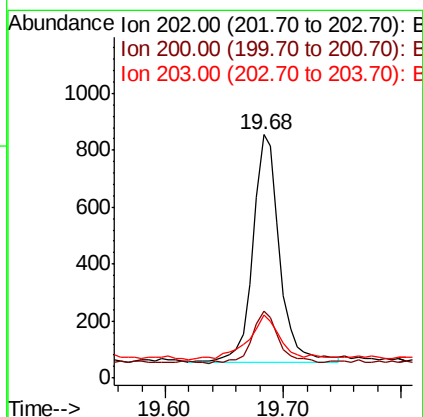
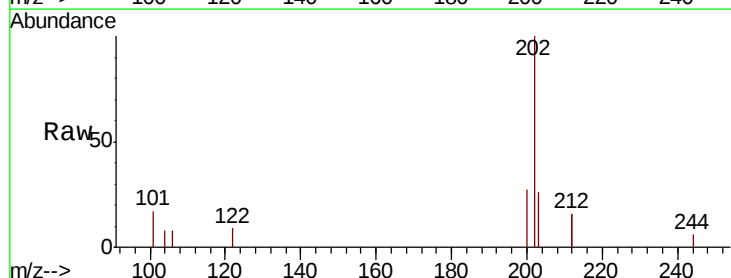
Instrument :
BNA_E
ClientSampleId :

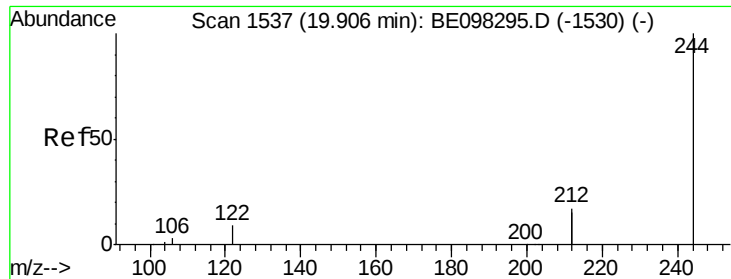
Tot Ion:240 Resp: 8154
Ion Ratio Lower Upper
240 100
120 6.0 9.5 14.3#
236 27.2 22.7 34.1



#28
Pyrene
Concen: 0.049 ng
RT: 19.68 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:202 Resp: 1259
Ion Ratio Lower Upper
202 100
200 23.3 16.7 25.1
203 22.2 14.1 21.1#





#29

Terphenyl-d14

Concen: 0.397 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

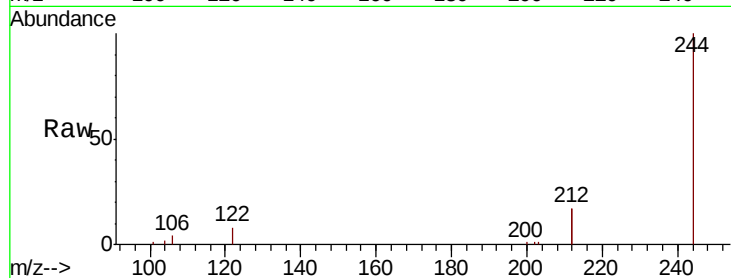
Tot Ion:244 Resp: 7875

Ion Ratio Lower Upper

244 100

212 33.7 27.4 41.0

122 8.3 8.3 12.5#

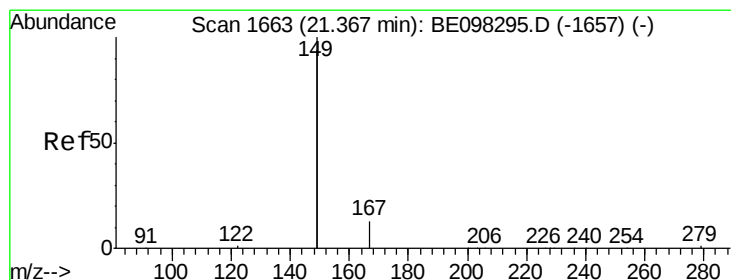
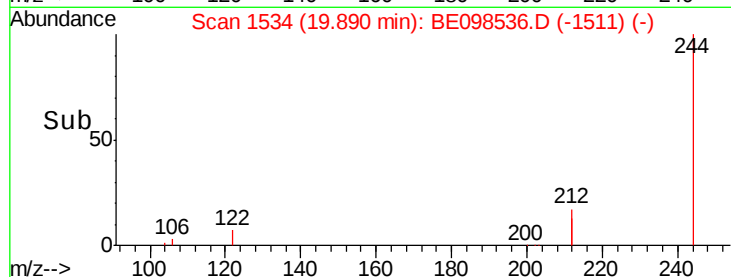
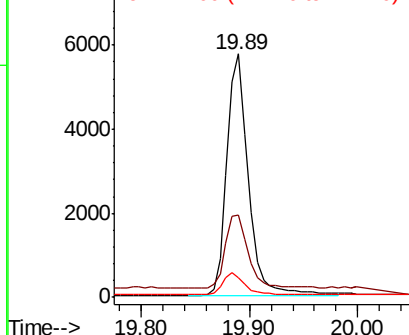


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

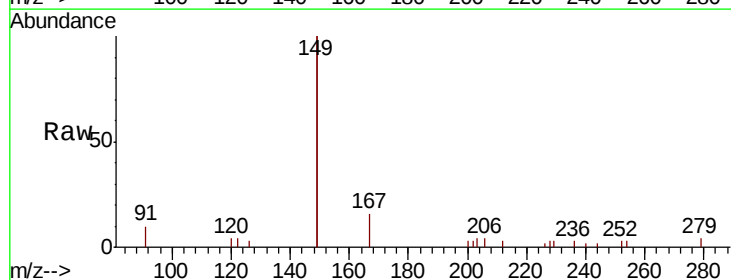
Tgt Ion:149 Resp: 5630

Ion Ratio Lower Upper

149 100

167 7.0 5.7 8.5

279 1.2 1.0 1.4

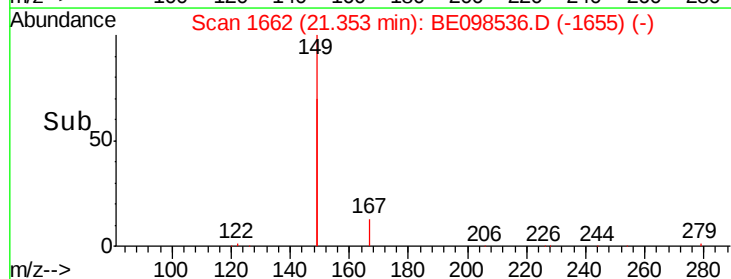
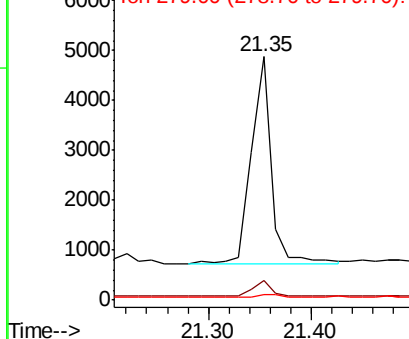


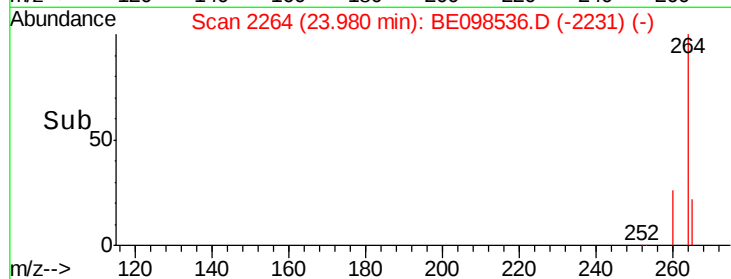
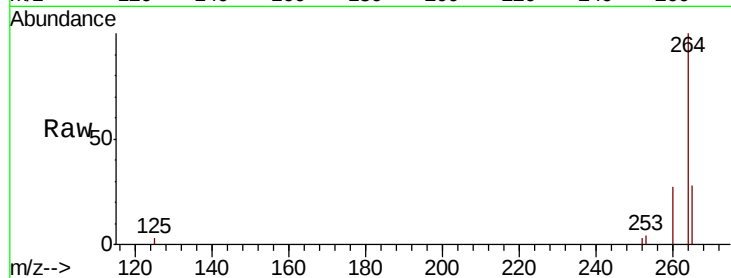
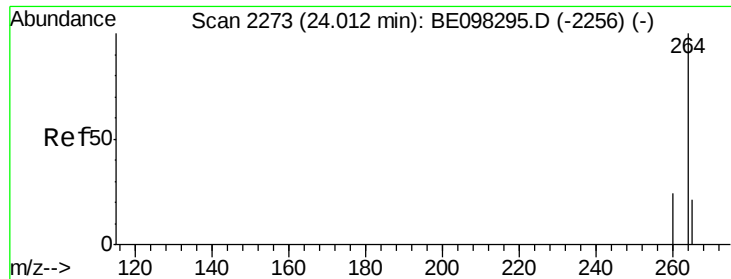
Abundance

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
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.98 min Scan# 2264
 Delta R.T. -0.03 min
 Lab File: BE098536.D
 Acq: 20 Dec 2018 13:16

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 7843
 Ion Ratio Lower Upper
 264 100
 260 27.0 20.2 30.2
 265 28.2 25.2 37.8

