

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\
 Data File : BE098230.D
 Acq On : 16 Nov 2018 15:26
 Operator : SJ/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 16 17:13:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 16 17:10:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1381	0.40	ng	0.01
7) Naphthalene-d8	10.68	136	6488	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	4126	0.40	ng	0.01
19) Phenanthrene-d10	17.28	188	9670	0.40	ng	0.00
27) Chrysene-d12	21.47	240	10044	0.40	ng	0.01
34) Perylene-d12	24.02	264	9430	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	388	0.10	ng	0.01
5) Phenol-d6	7.06	99	534	0.09	ng	0.02
8) Nitrobenzene-d5	9.04	82	583	0.09	ng	0.03
11) 2-Methylnaphthalene-d10	12.28	152	1217	0.11	ng	0.01
14) 2,4,6-Tribromophenol	16.03	330	122	0.07	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	2050	0.12	ng	0.01
25) Fluoranthene-d10	19.32	212	11712	0.10	ng	0.00
29) Terphenyl-d14	19.91	244	2517	0.11	ng	0.00

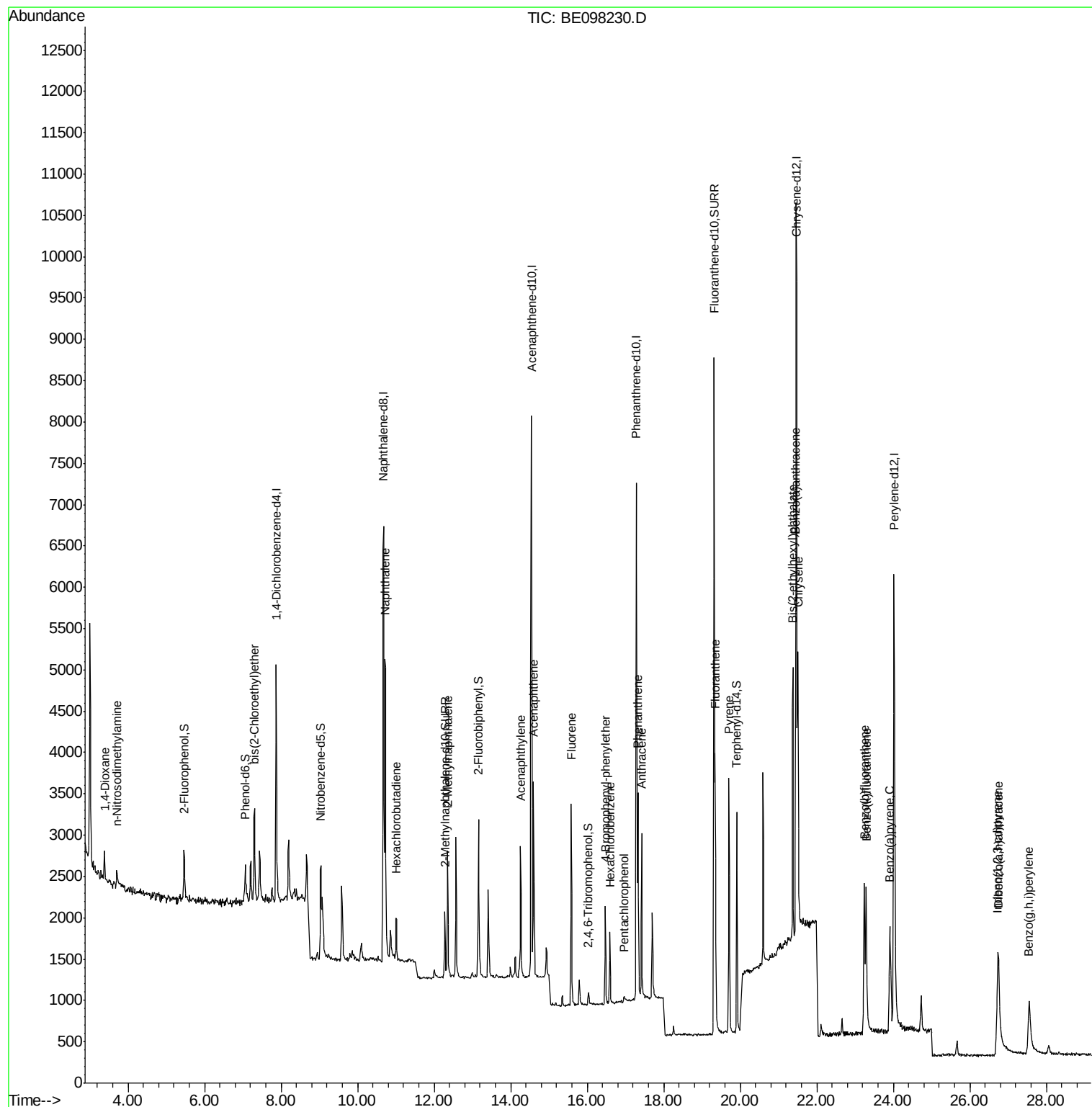
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	243	0.108	ng	89
3) n-Nitrosodimethylamine	3.71	42	215	0.079	ng	# 74
6) bis(2-Chloroethyl)ether	7.30	93	516	0.102	ng	88
9) Naphthalene	10.72	128	6919	0.105	ng	# 98
10) Hexachlorobutadiene	11.00	225	418	0.102	ng	98
12) 2-Methylnaphthalene	12.35	142	1161	0.101	ng	98
16) Acenaphthylene	14.25	152	1964	0.104	ng	97
17) Acenaphthene	14.60	154	1162	0.101	ng	97
18) Fluorene	15.58	166	1505	0.102	ng	97
20) 4-Bromophenyl-phenylether	16.48	248	595	0.101	ng	# 88
21) Hexachlorobenzene	16.59	284	664	0.108	ng	99
22) Pentachlorophenol	16.97	266	67	0.063	ng	# 78
23) Phenanthrene	17.33	178	2565	0.106	ng	98
24) Anthracene	17.42	178	2153	0.096	ng	98
26) Fluoranthene	19.34	202	2941	0.099	ng	99
28) Pyrene	19.71	202	3036	0.110	ng	100
30) Benzo(a)anthracene	21.45	228	3090	0.108	ng	95
31) Chrysene	21.51	228	3037	0.105	ng	97
32) Bis(2-ethylhexyl)phthalate	21.38	149	4697	0.079	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.72	276	2242	0.084	ng	# 95
35) Benzo(b)fluoranthene	23.24	252	2649	0.099	ng	# 87
36) Benzo(k)fluoranthene	23.29	252	3065	0.109	ng	# 91
37) Benzo(a)pyrene	23.91	252	2640	0.103	ng	# 79
38) Dibenzo(a,h)anthracene	26.75	278	1867	0.085	ng	# 71
39) Benzo(g,h,i)perylene	27.54	276	2132	0.093	ng	# 87

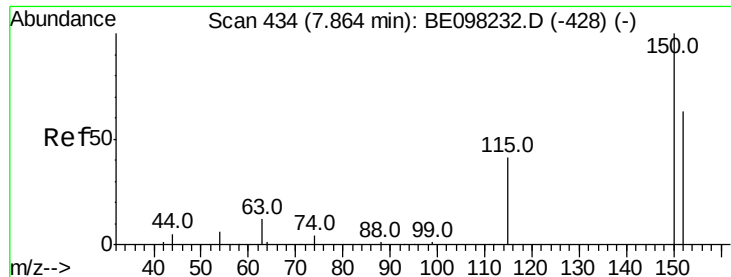
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :

Quant Time: Nov 16 17:13:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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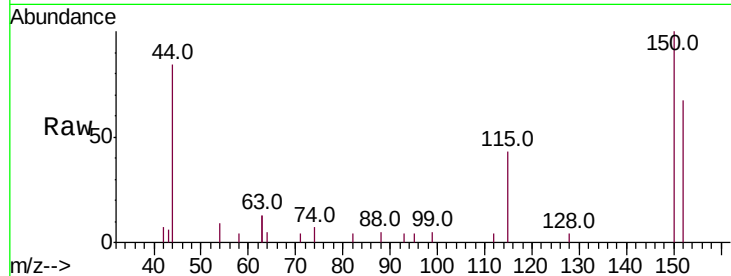


#1

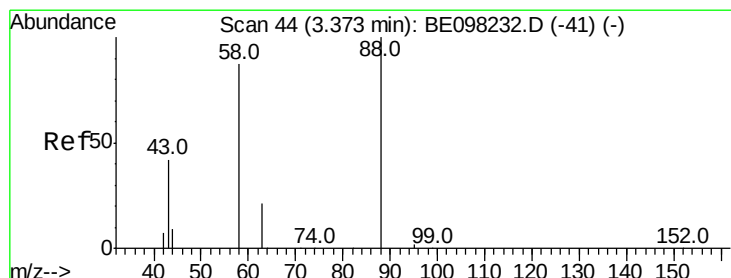
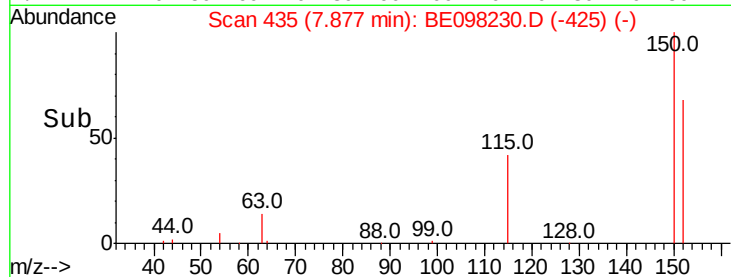
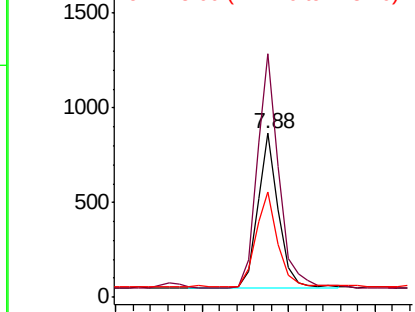
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098230.D
Acq: 16 Nov 2018 15:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1381
Ion Ratio Lower Upper
152 100
150 148.7 127.5 191.3
115 64.6 60.3 90.5



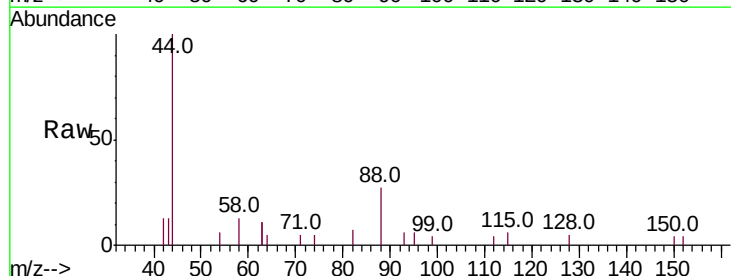
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



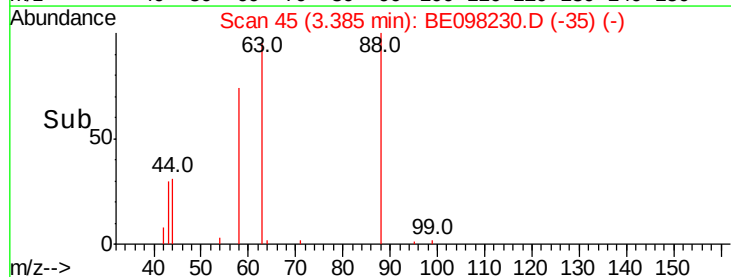
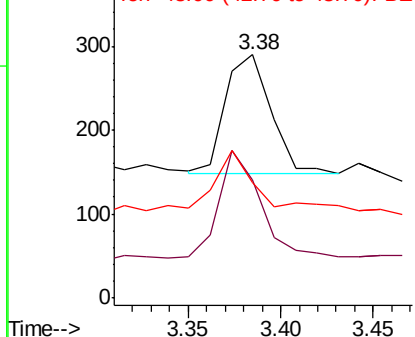
#2

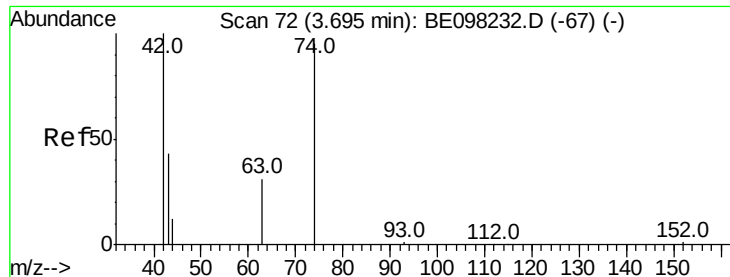
1,4-Dioxane
Concen: 0.108 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE098230.D
Acq: 16 Nov 2018 15:26

Tgt Ion: 88 Resp: 243
Ion Ratio Lower Upper
88 100
58 82.3 79.0 118.4
43 47.3 38.1 57.1



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.079 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampled :

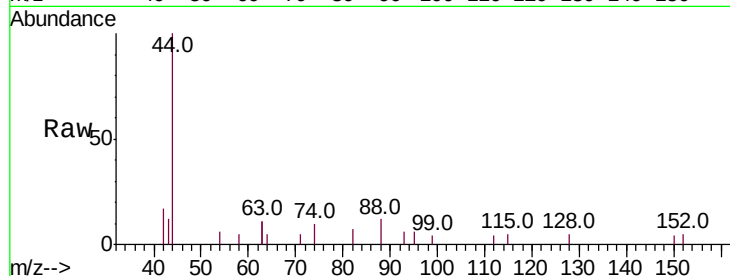
Tot Ion: 42 Resp: 215

Ion Ratio Lower Upper

42 100

74 60.9 61.7 92.5#

44 43.3 14.0 21.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

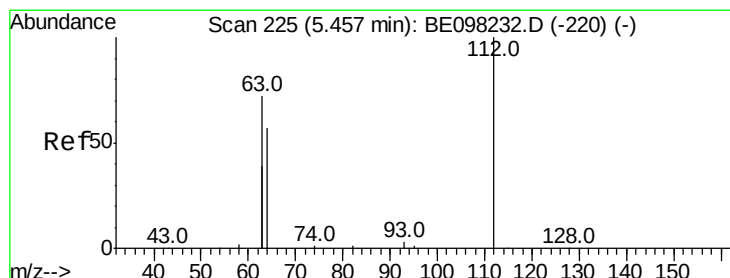
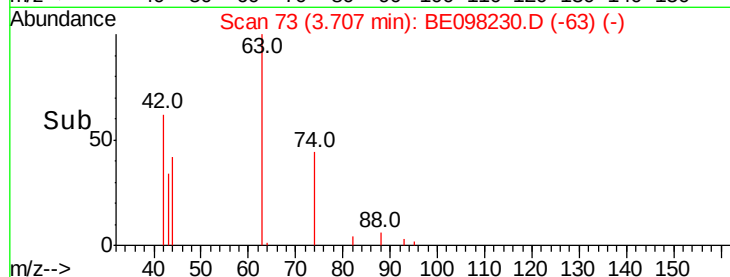
Ion 44.00 (43.70 to 44.70): BE0

1000

500

3.71

Time-->



#4

2-Fluorophenol

Concen: 0.100 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

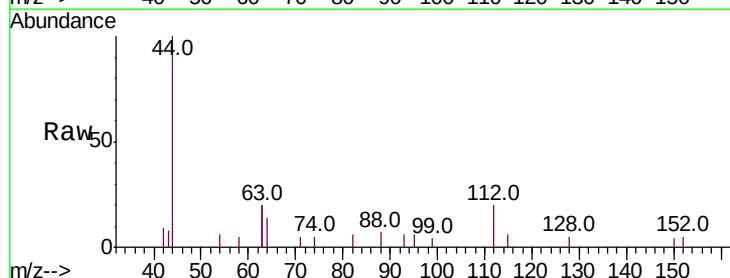
Tgt Ion: 112 Resp: 388

Ion Ratio Lower Upper

112 100

64 70.6 61.7 92.5

63 181.7 136.2 204.2



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

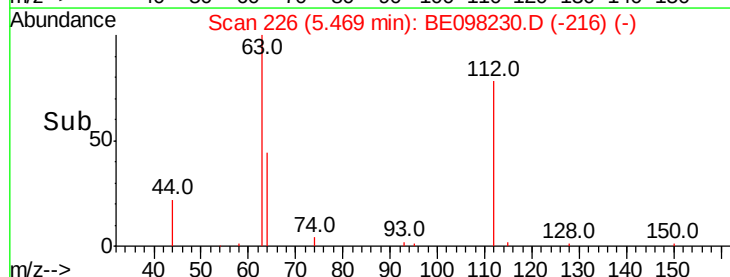
600

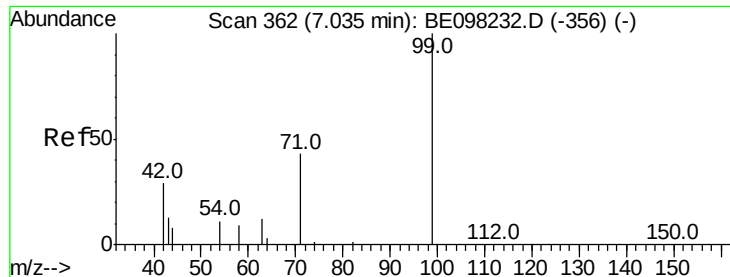
400

200

5.47

Time-->





#5

Phenol-d6

Concen: 0.085 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.02 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampled :

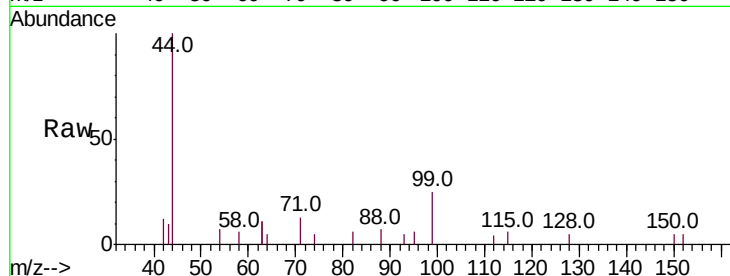
Tot Ion: 99 Resp: 534

Ion Ratio Lower Upper

99 100

42 37.8 27.1 40.7

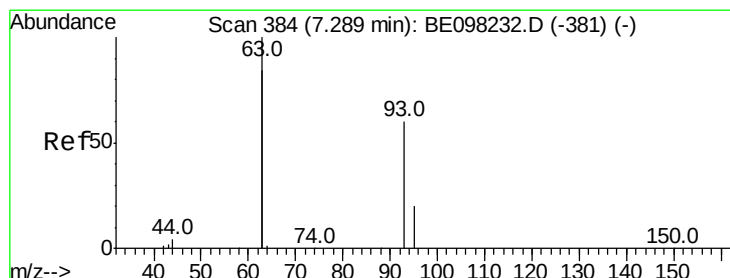
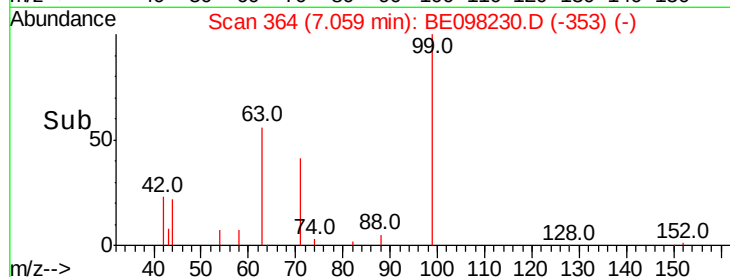
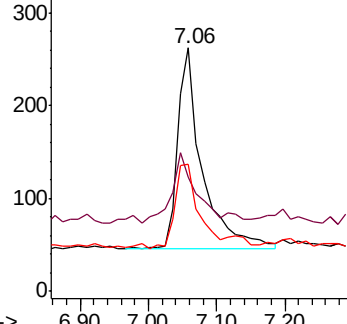
71 42.5 37.0 55.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.102 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

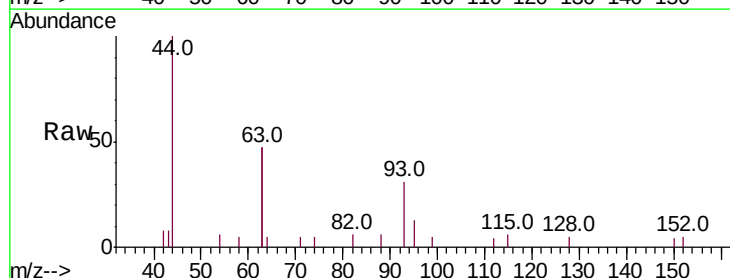
Tgt Ion: 93 Resp: 516

Ion Ratio Lower Upper

93 100

63 312.8 272.6 409.0

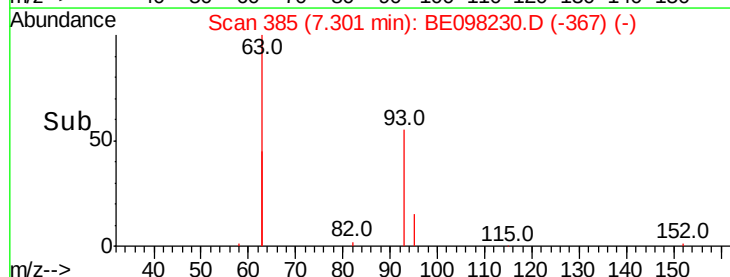
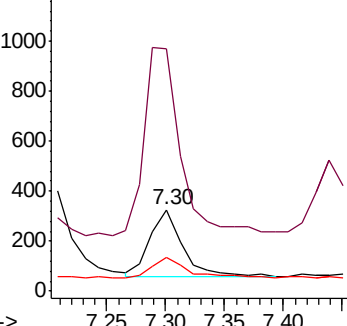
95 32.8 27.1 40.7

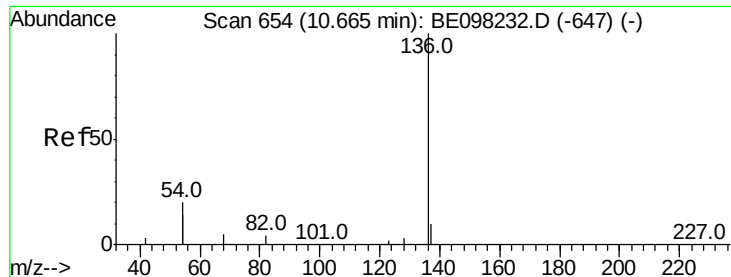


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6488

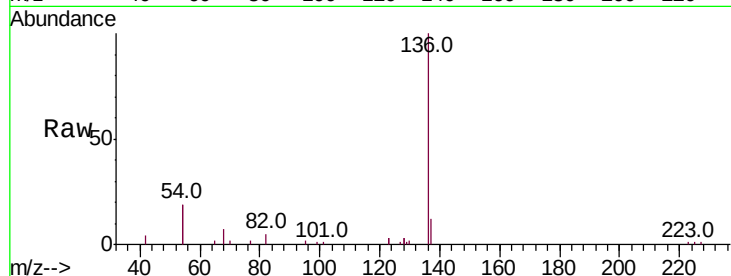
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 37.4 31.3 46.9

68 6.9 4.8 7.2

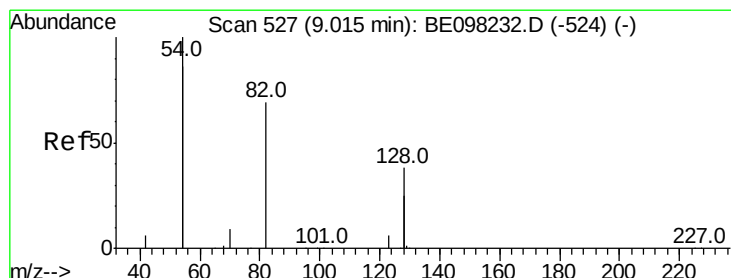
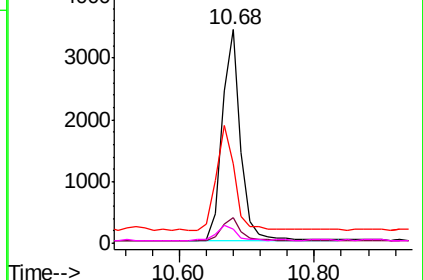
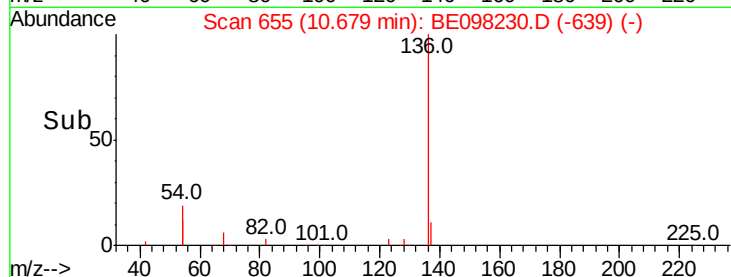


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.090 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

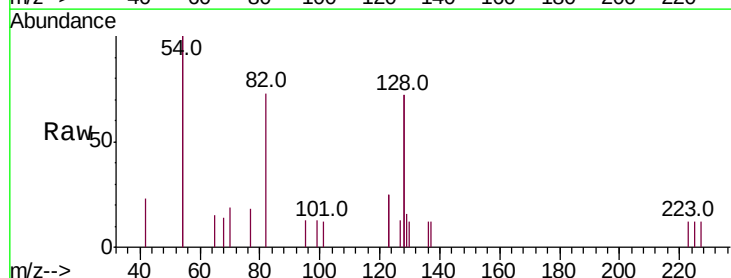
Tgt Ion: 82 Resp: 583

Ion Ratio Lower Upper

82 100

128 197.1 96.1 144.1#

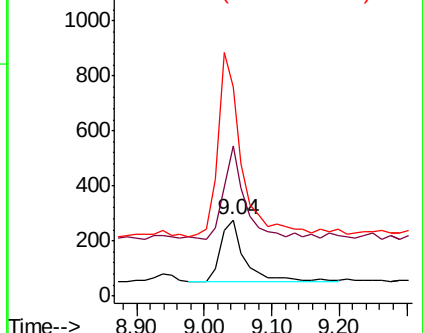
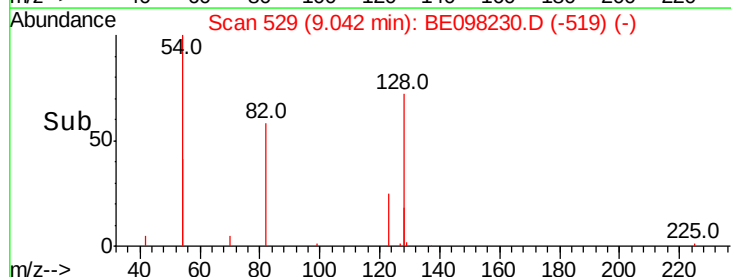
54 273.6 232.0 348.0

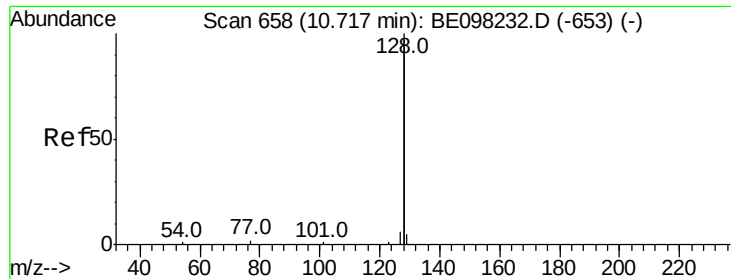


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.105 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

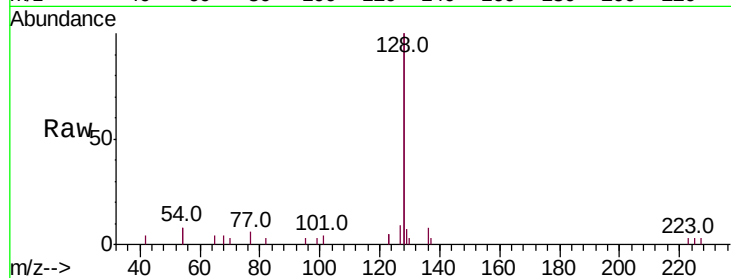
Tot Ion:128 Resp: 6919

Ion Ratio Lower Upper

128 100

129 3.7 2.6 4.0

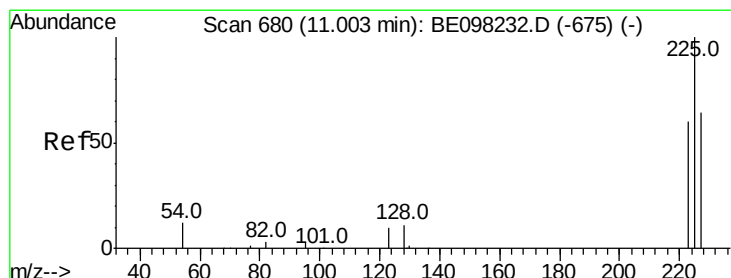
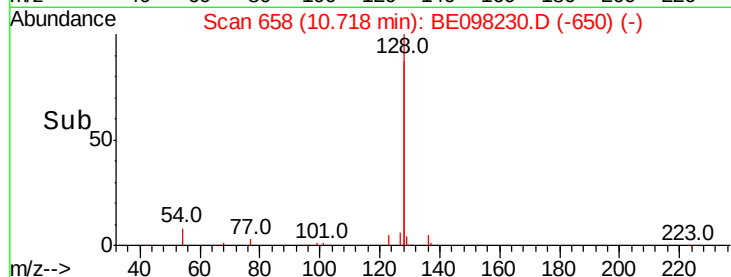
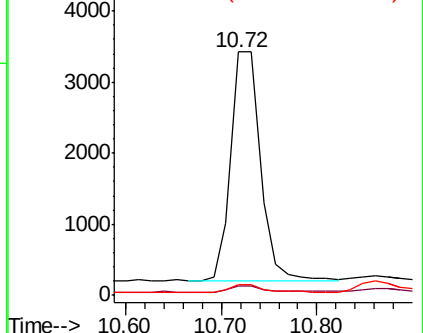
127 4.5 2.8 4.2#



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



#10

Hexachlorobutadiene

Concen: 0.102 ng

RT: 11.00 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

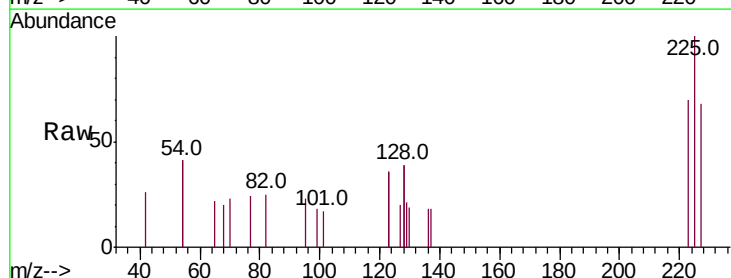
Tgt Ion:225 Resp: 418

Ion Ratio Lower Upper

225 100

223 60.3 50.5 75.7

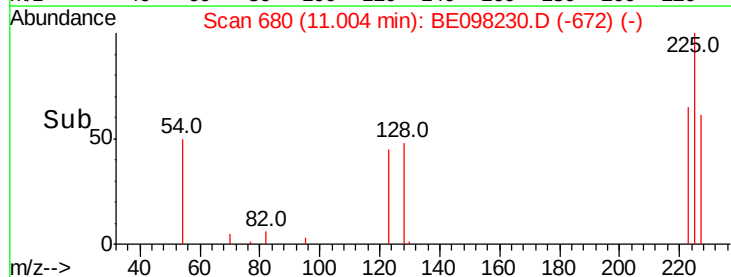
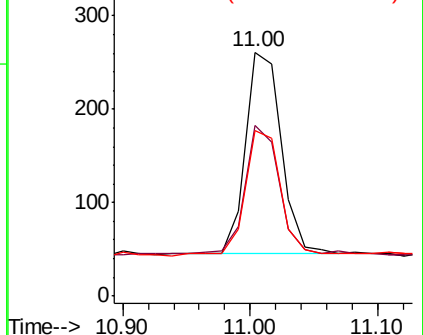
227 62.0 50.3 75.5

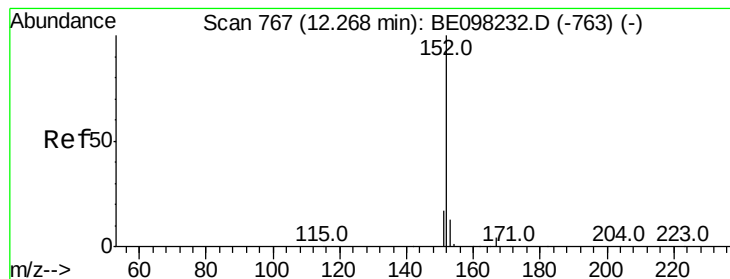


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.107 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

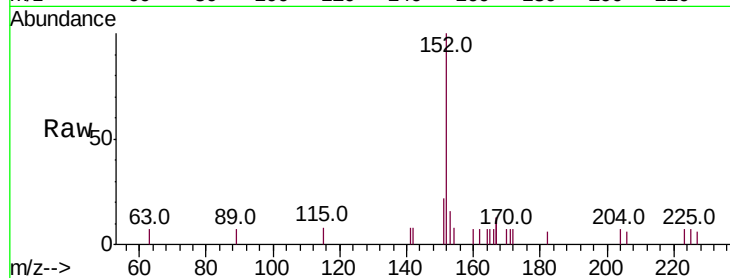
ClientSampleId :

Tot Ion:152 Resp: 1217

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

800

600

400

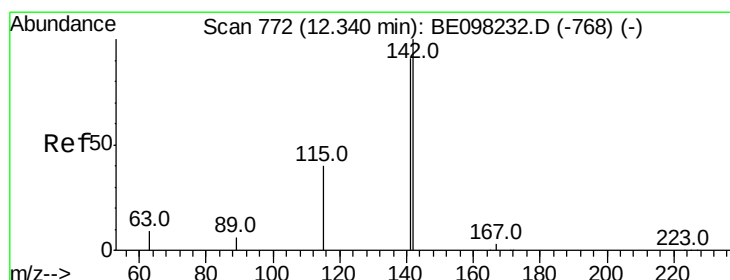
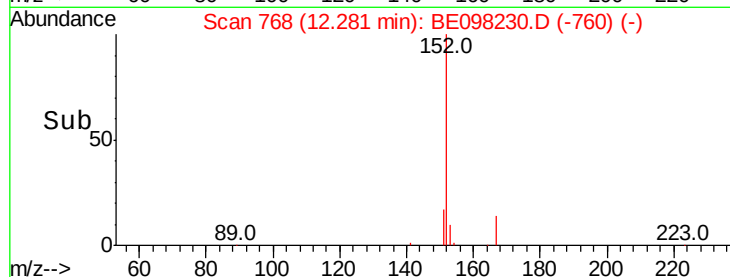
200

0

12.28

12.20 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.101 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

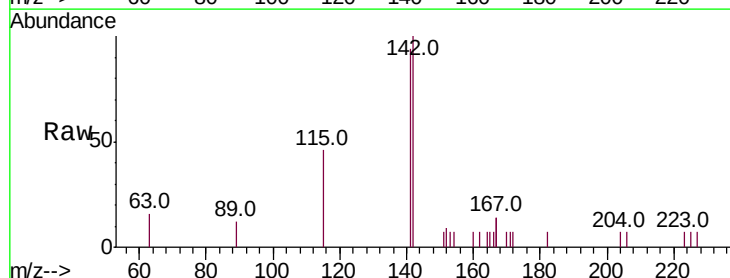
Tgt Ion:142 Resp: 1161

Ion Ratio Lower Upper

142 100

141 93.7 76.3 114.5

115 45.9 35.8 53.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

800

600

400

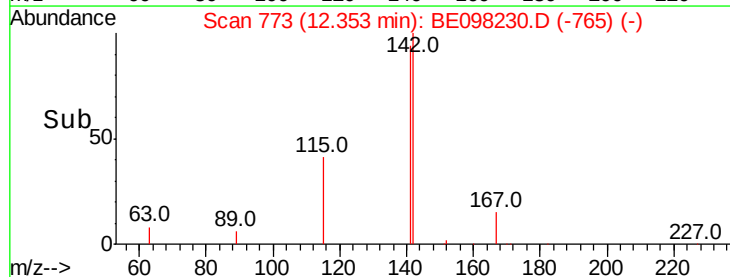
200

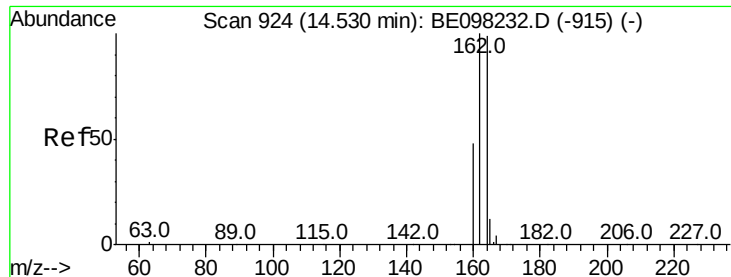
0

12.35

12.25 12.30 12.35 12.40

Time-->

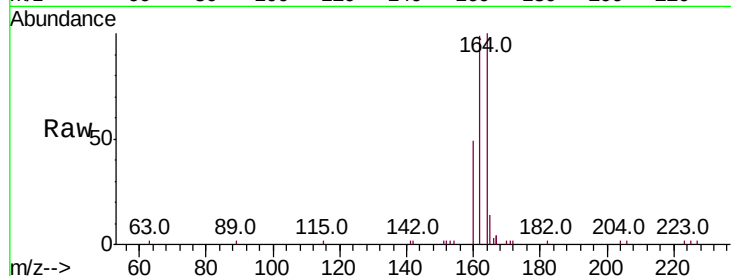




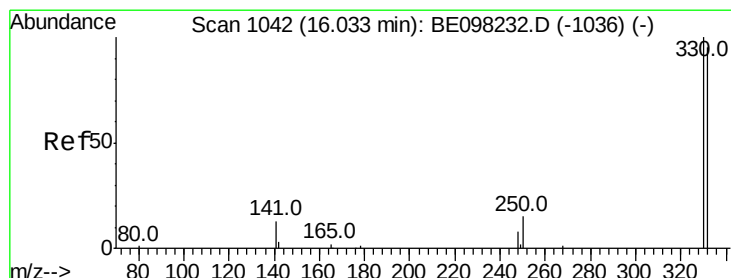
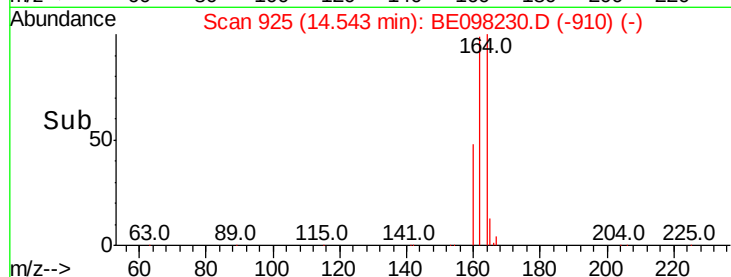
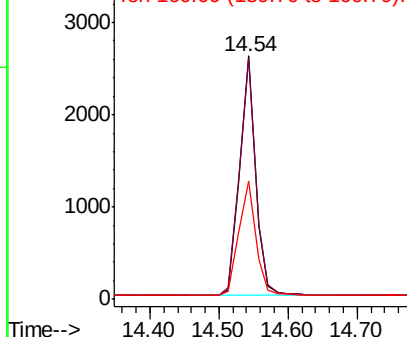
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE098230.D
Acq: 16 Nov 2018 15:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4126
Ion Ratio Lower Upper
164 100
162 99.0 81.8 122.6
160 48.5 39.4 59.0

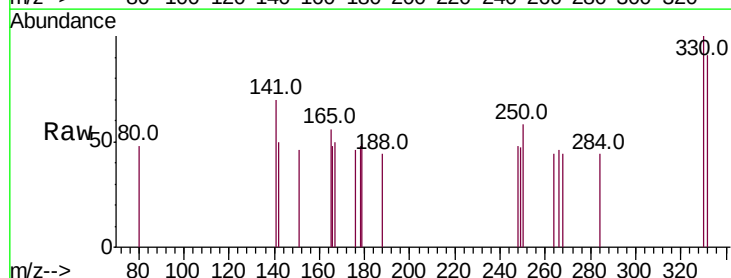


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

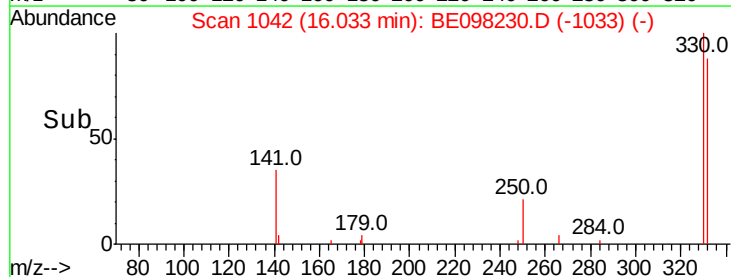
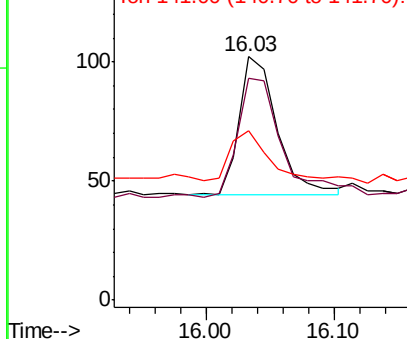


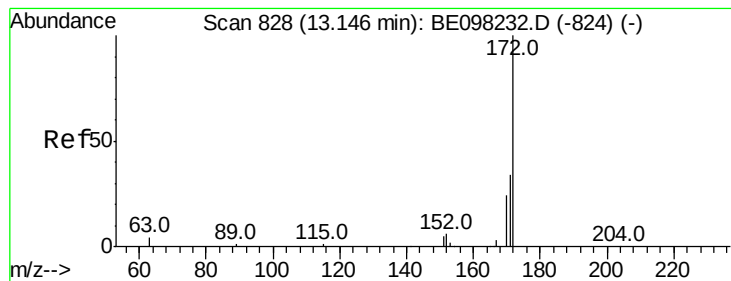
#14
2,4,6-Tribromophenol
Concen: 0.068 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE098230.D
Acq: 16 Nov 2018 15:26

Tgt Ion:330 Resp: 122
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 42.6 33.6 50.4



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: 0.119 ng

RT: 13.16 min Scan# 829

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

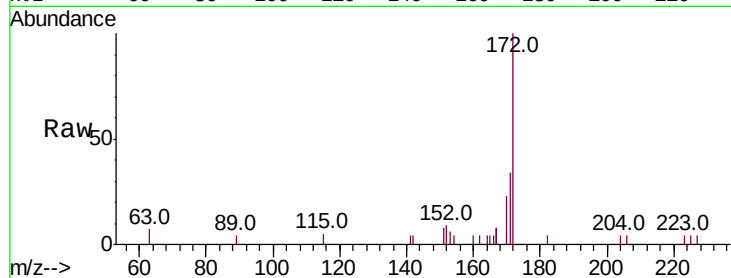
Tot Ion:172 Resp: 2050

Ion Ratio Lower Upper

172 100

171 34.1 27.3 40.9

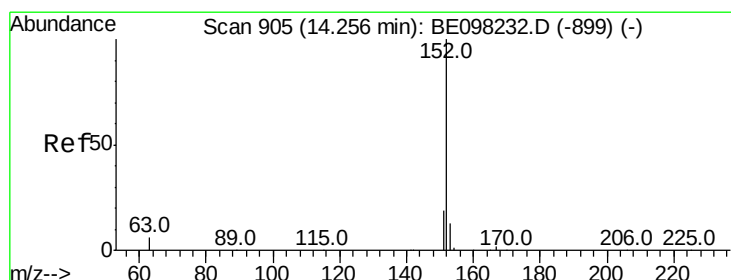
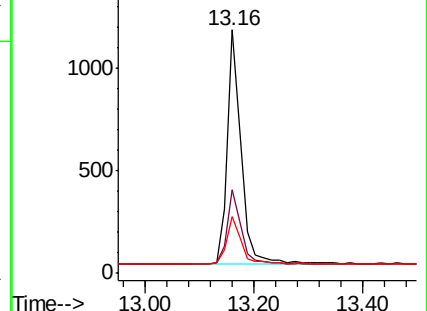
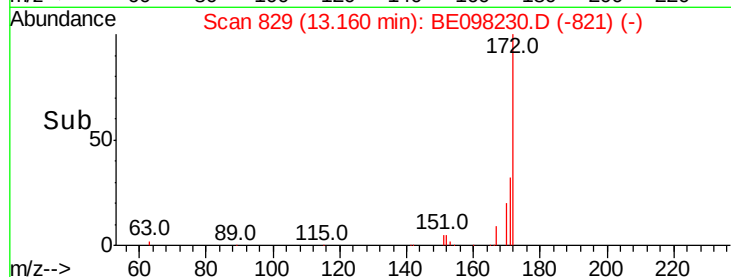
170 23.1 19.4 29.0



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



#16

Acenaphthylene

Concen: 0.104 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

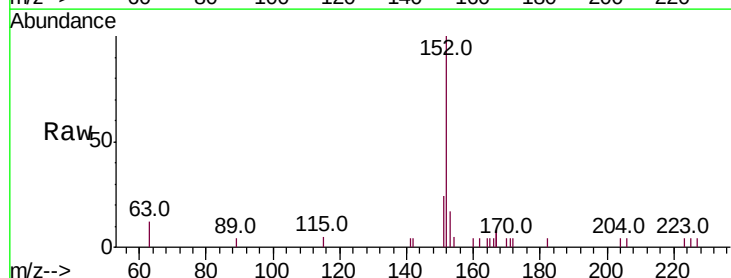
Tgt Ion:152 Resp: 1964

Ion Ratio Lower Upper

152 100

151 22.4 16.4 24.6

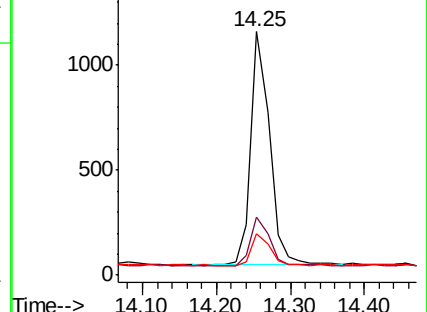
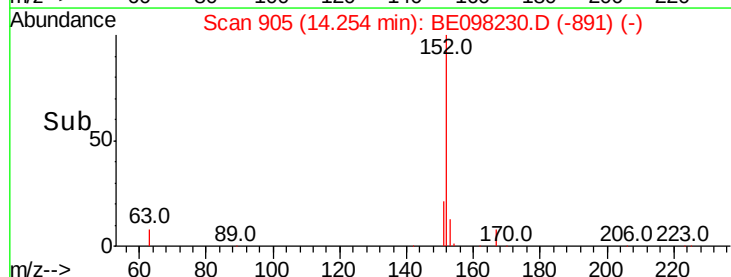
153 13.2 10.6 15.8

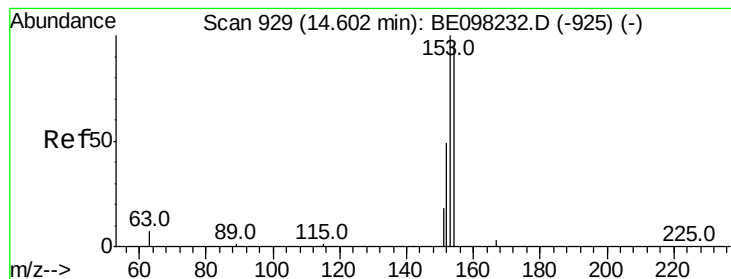


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.101 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

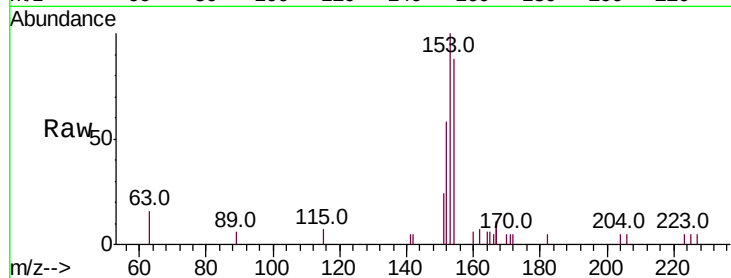
Tot Ion:154 Resp: 1162

Ion Ratio Lower Upper

154 100

153 116.6 92.1 138.1

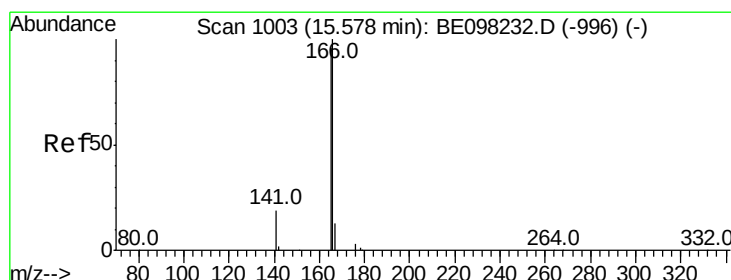
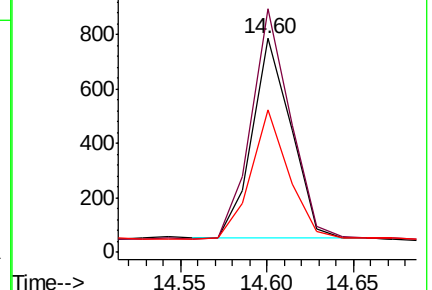
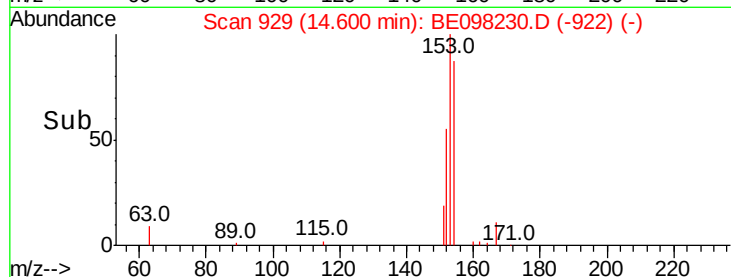
152 62.8 46.2 69.2



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: 0.102 ng

RT: 15.58 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

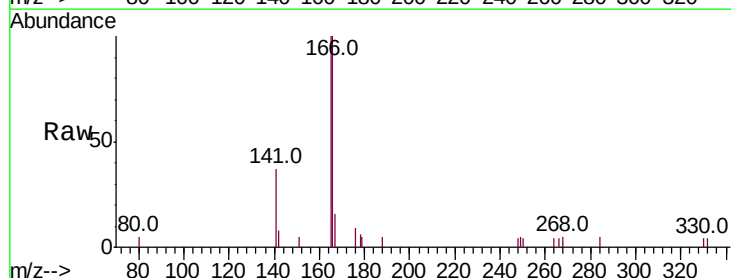
Tgt Ion:166 Resp: 1505

Ion Ratio Lower Upper

166 100

165 96.7 80.1 120.1

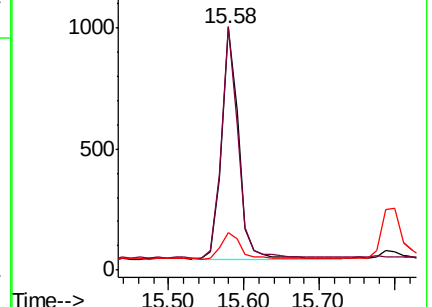
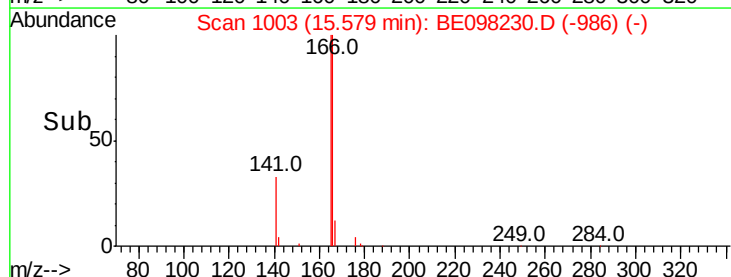
167 13.4 10.8 16.2

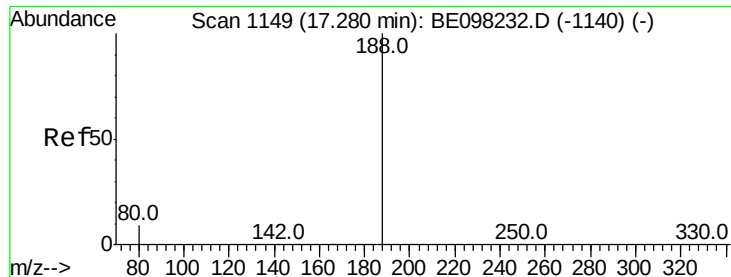


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

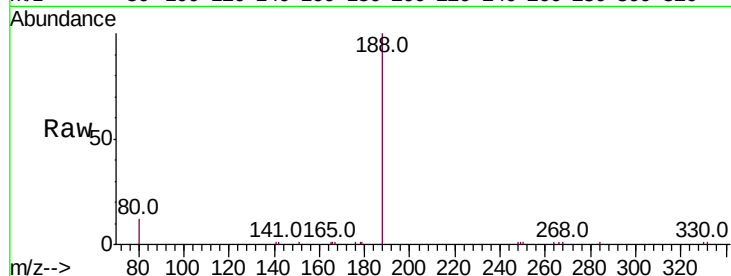
Tot Ion:188 Resp: 9670

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

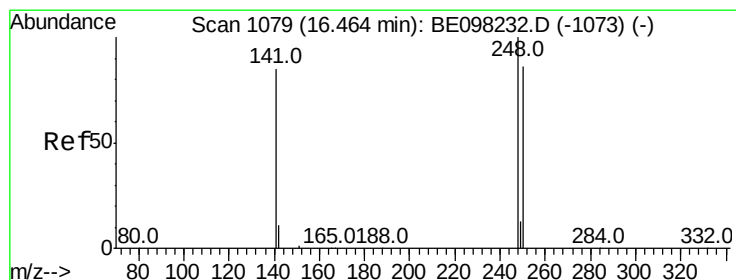
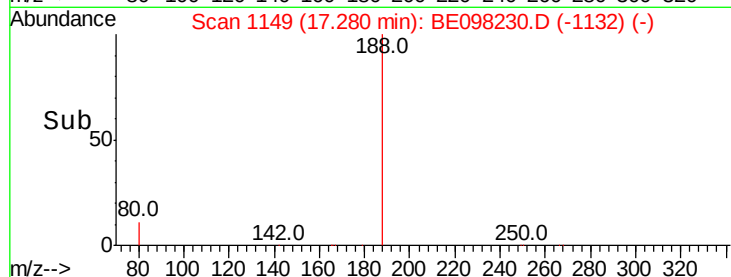
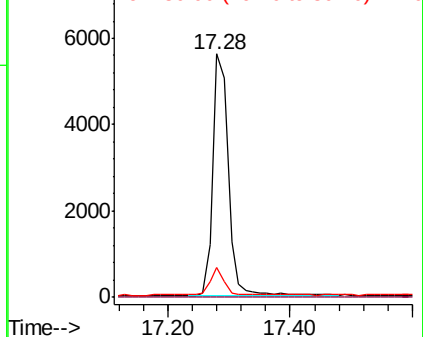
80 12.4 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.101 ng

RT: 16.48 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

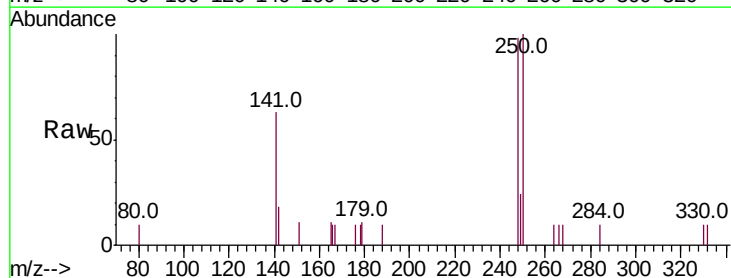
Tgt Ion:248 Resp: 595

Ion Ratio Lower Upper

248 100

250 101.9 77.6 116.4

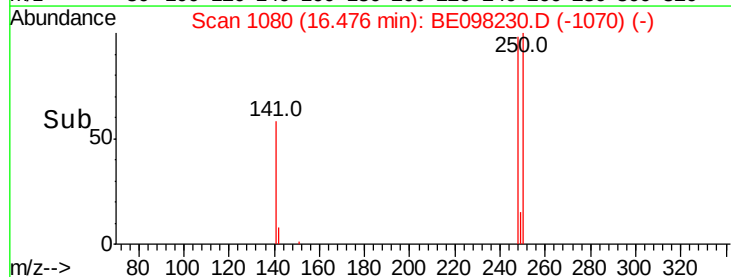
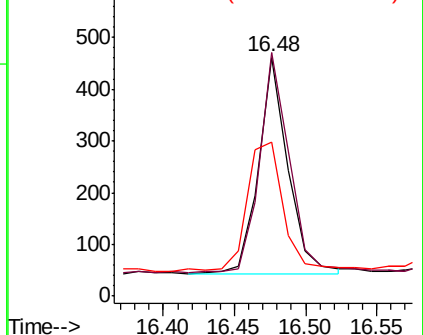
141 64.5 65.8 98.8#

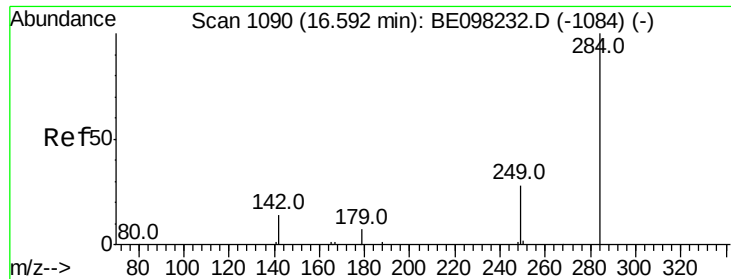


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

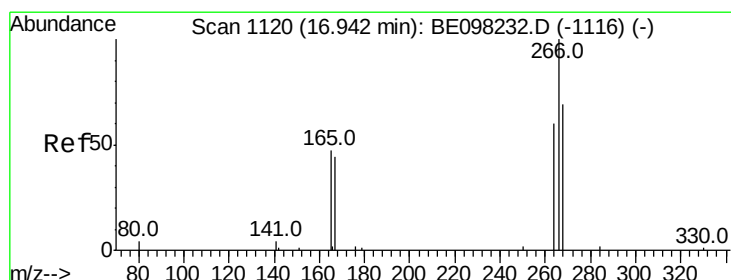
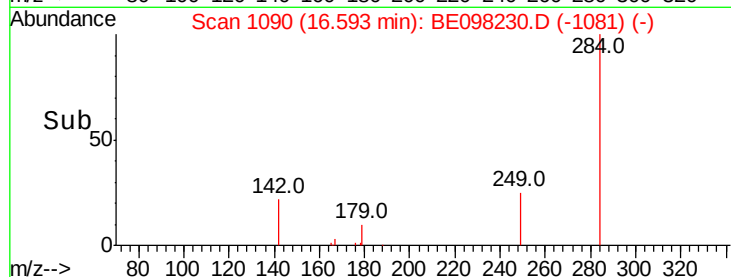
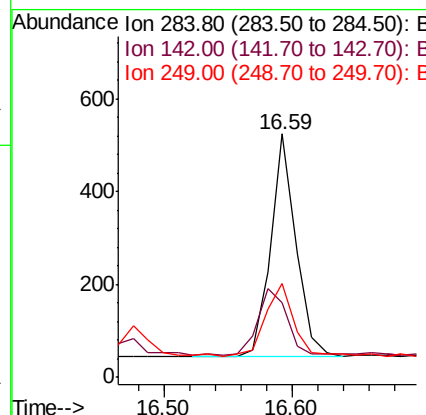
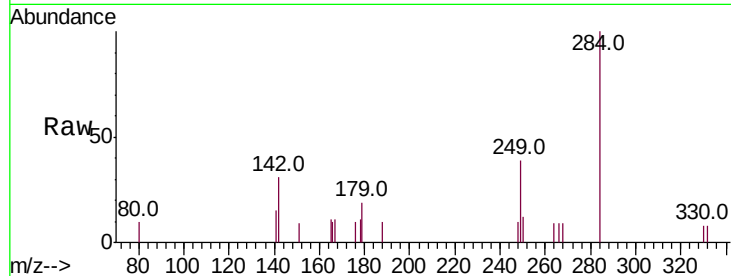




#21
 Hexachlorobenzene
 Concen: 0.108 ng
 RT: 16.59 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BE098230.D
 Acq: 16 Nov 2018 15:26

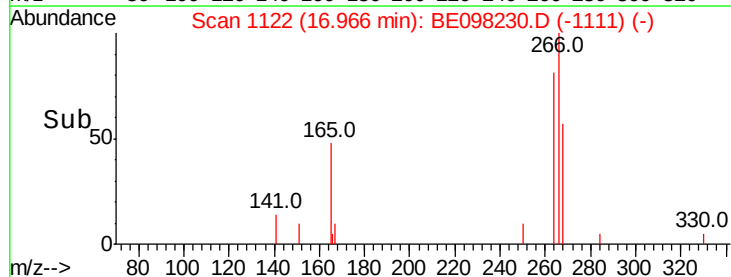
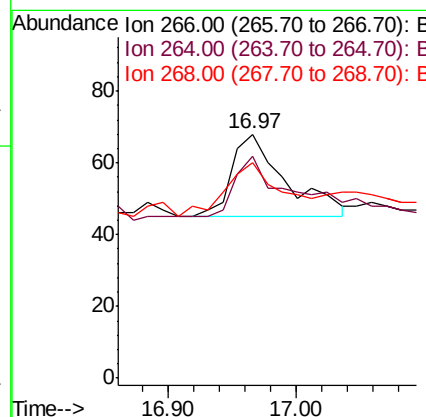
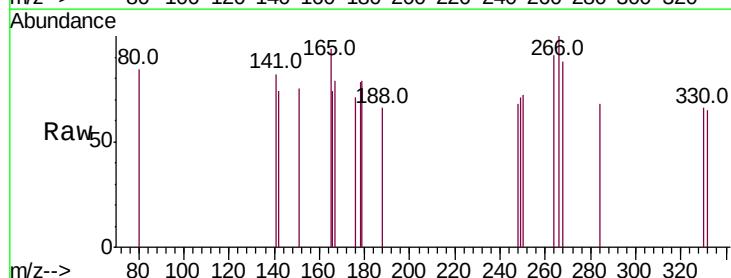
Instrument :
 BNA_E
 ClientSampleId :

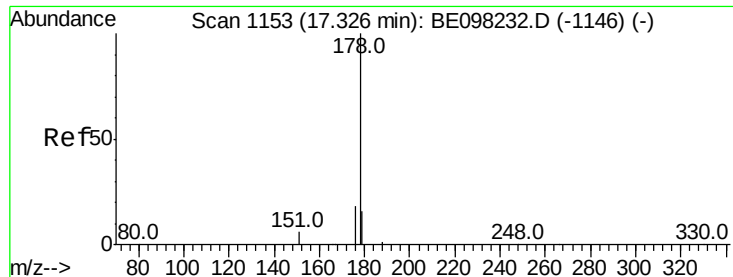
Tot Ion:	284	Resp:	664
Ion	Ratio	Lower	Upper
284	100		
142	33.7	26.5	39.7
249	35.4	28.4	42.6



#22
 Pentachlorophenol
 Concen: 0.063 ng
 RT: 16.97 min Scan# 1122
 Delta R.T. 0.02 min
 Lab File: BE098230.D
 Acq: 16 Nov 2018 15:26

Tgt Ion:	266	Resp:	67
Ion	Ratio	Lower	Upper
266	100		
264	91.2	57.6	86.4#
268	88.2	56.8	85.2#





#23

Phenanthrene

Concen: 0.106 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

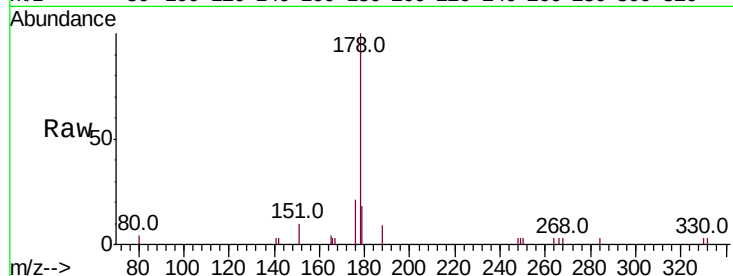
Tot Ion:178 Resp: 2565

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

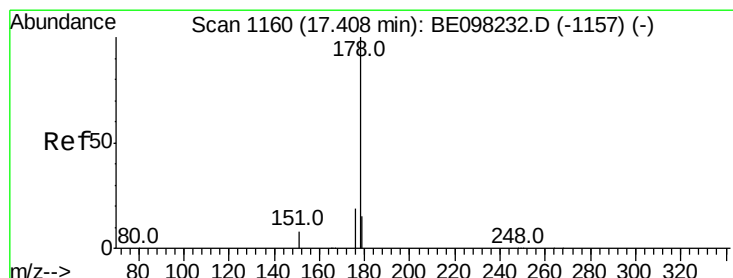
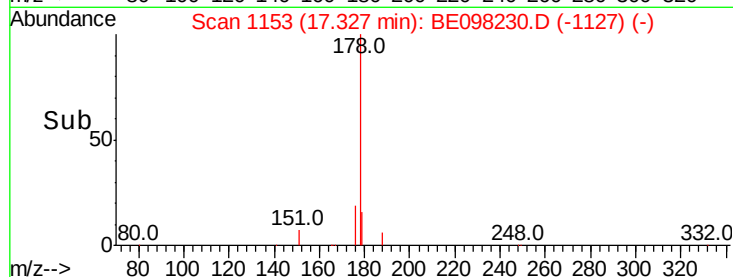
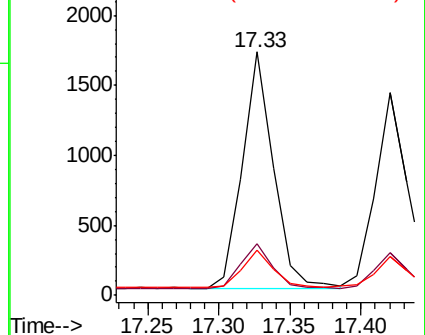
179 16.7 12.3 18.5



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: 0.096 ng

RT: 17.42 min Scan# 1161

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

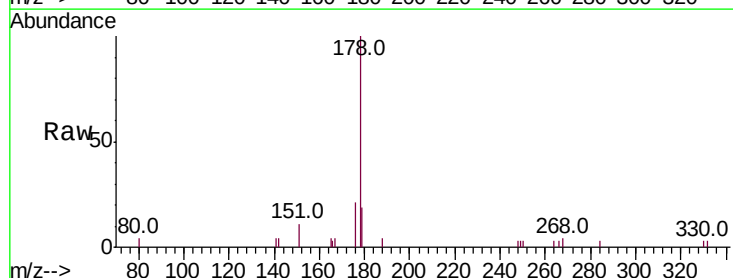
Tgt Ion:178 Resp: 2153

Ion Ratio Lower Upper

178 100

176 20.4 15.7 23.5

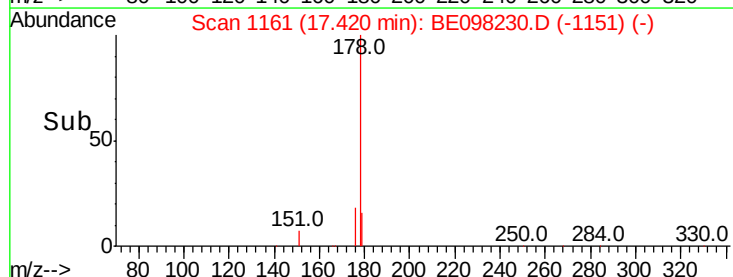
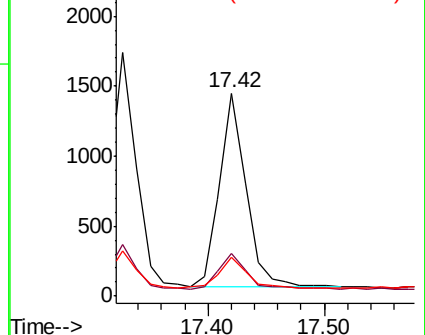
179 16.3 12.1 18.1

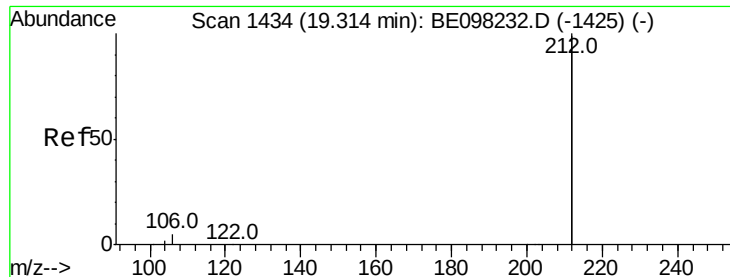


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.097 ng

RT: 19.32 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampled :

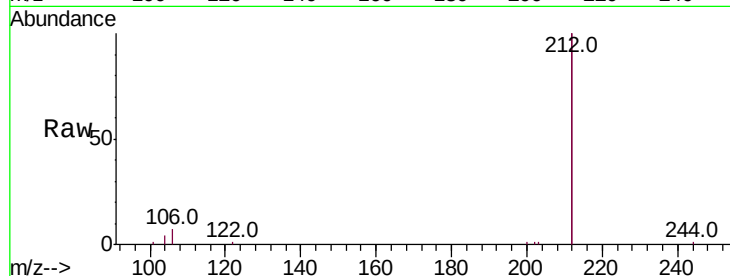
Tot Ion:212 Resp: 11712

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

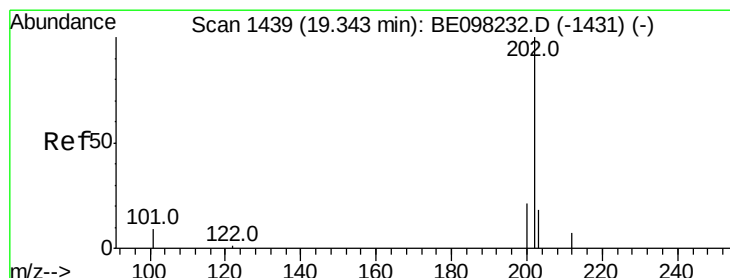
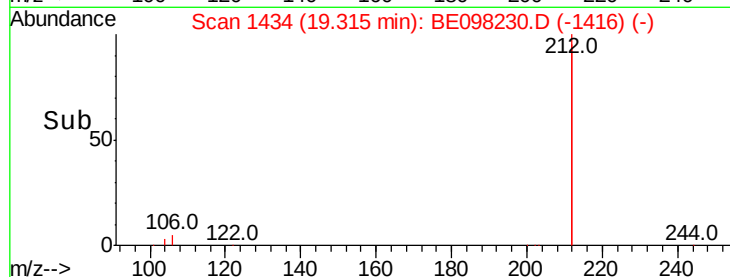
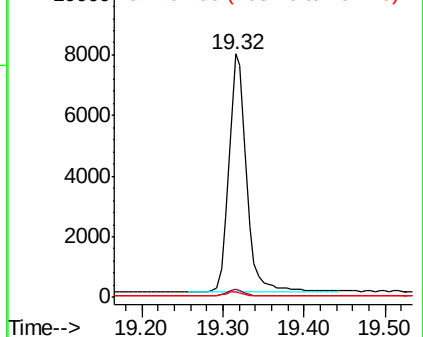
104 1.4 1.1 1.7



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: 0.099 ng

RT: 19.34 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

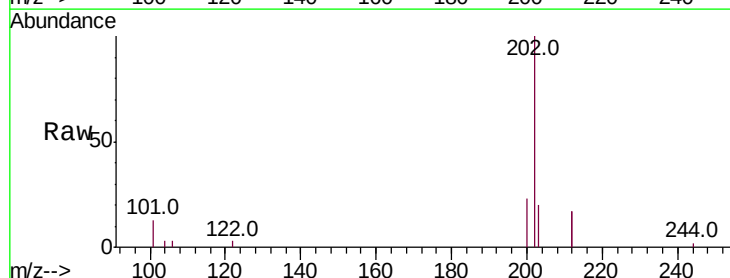
Tgt Ion:202 Resp: 2941

Ion Ratio Lower Upper

202 100

101 9.8 7.0 10.6

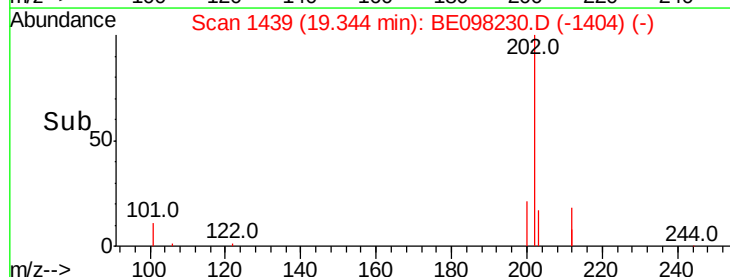
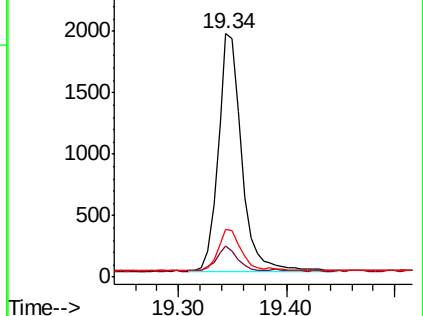
203 17.3 13.7 20.5

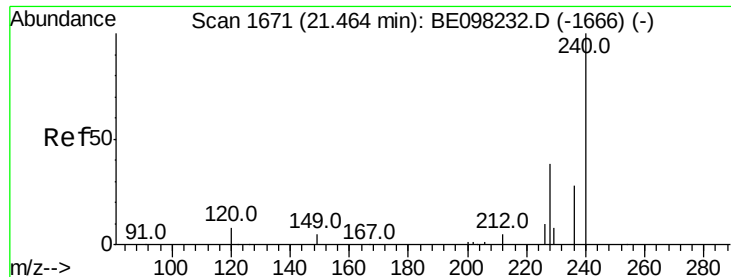


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.47 min Scan# 1672

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

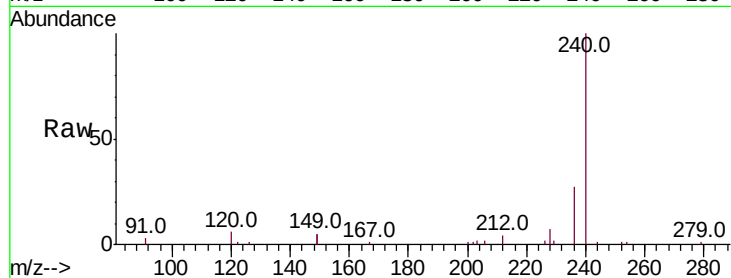
Tot Ion:240 Resp: 10044

Ion Ratio Lower Upper

240 100

120 6.1 4.8 7.2

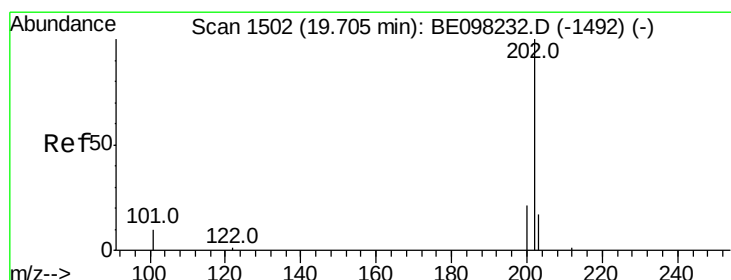
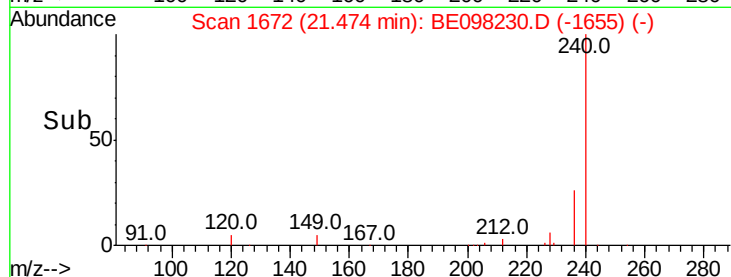
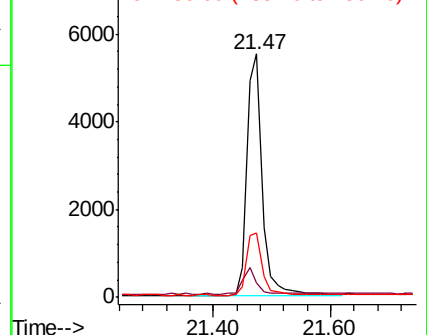
236 26.5 21.4 32.0



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



#28

Pyrene

Concen: 0.110 ng

RT: 19.71 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

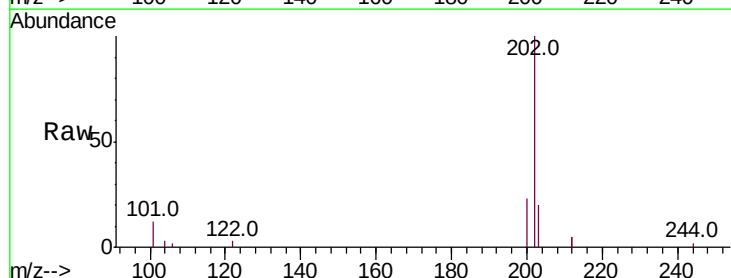
Tgt Ion:202 Resp: 3036

Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

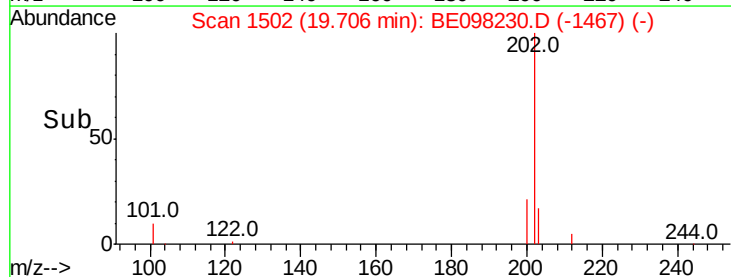
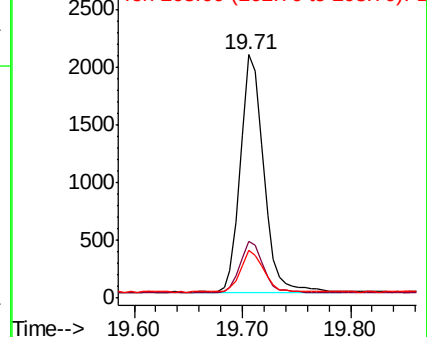
203 17.8 14.2 21.4

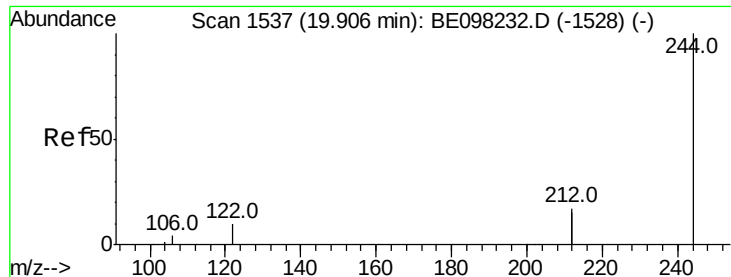


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.110 ng

RT: 19.91 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

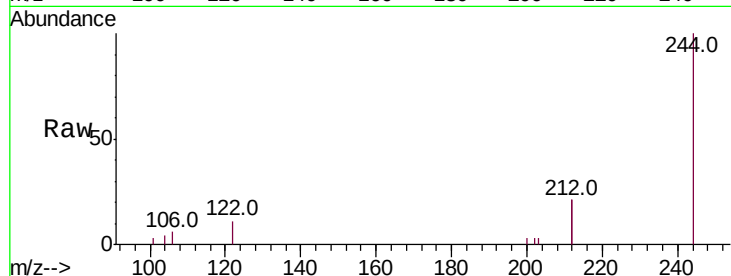
Tot Ion:244 Resp: 2517

Ion Ratio Lower Upper

244 100

212 42.7 26.8 40.2#

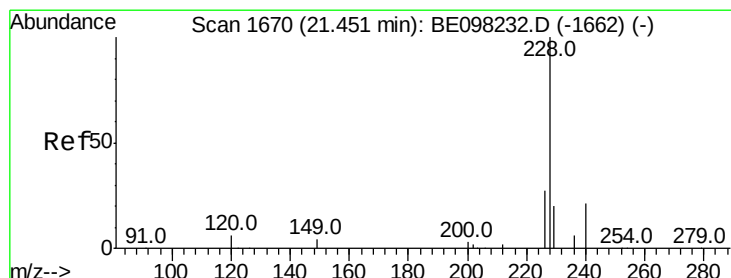
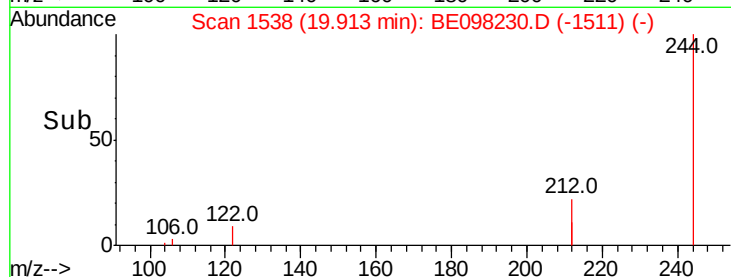
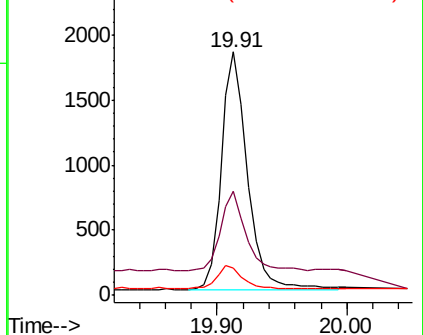
122 11.2 7.0 10.6#



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



#30

Benzo(a)anthracene

Concen: 0.108 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

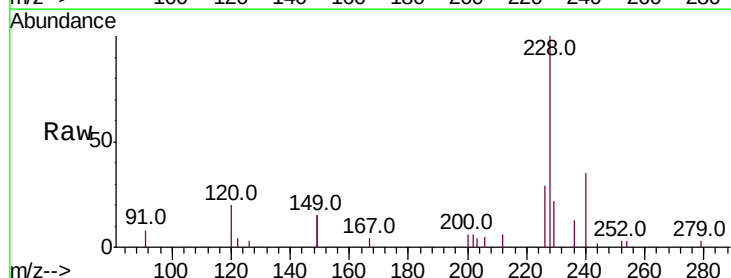
Tgt Ion:228 Resp: 3090

Ion Ratio Lower Upper

228 100

226 28.5 20.7 31.1

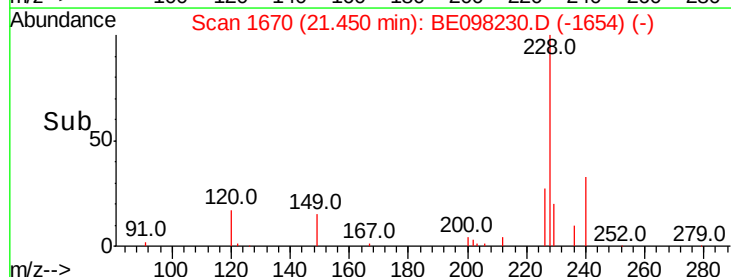
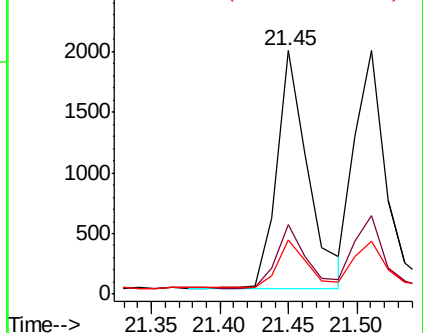
229 22.3 16.2 24.4

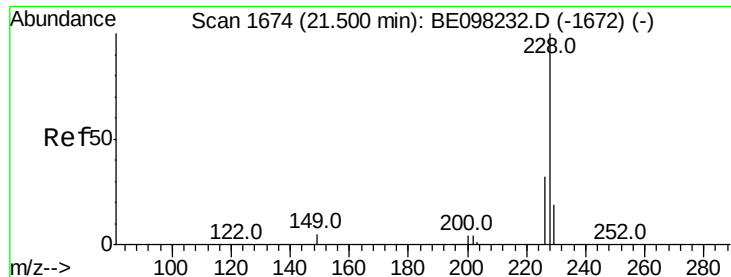


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.105 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

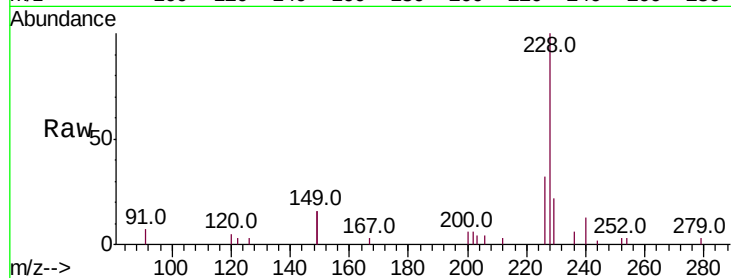
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 3037

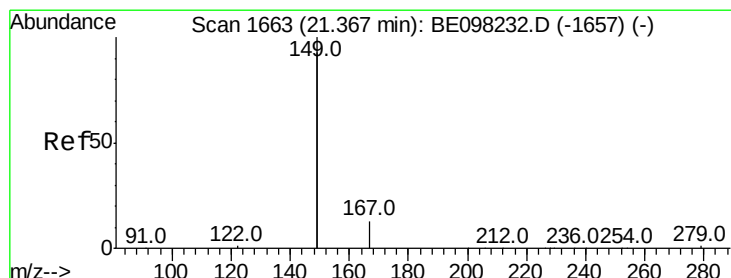
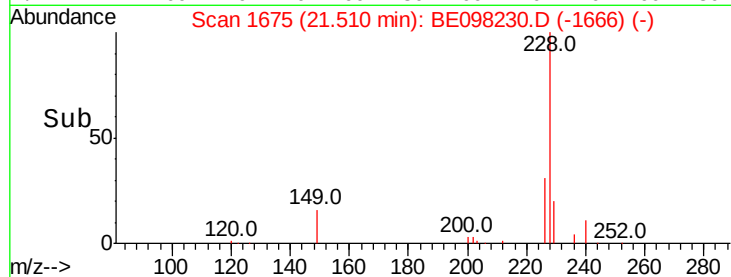
Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.6	36.8
229	21.8	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.38 min Scan# 1664

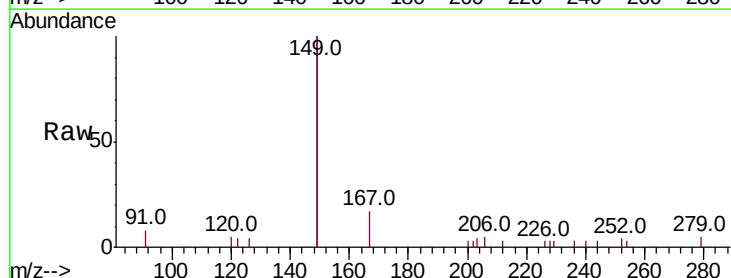
Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Tgt Ion:149 Resp: 4697

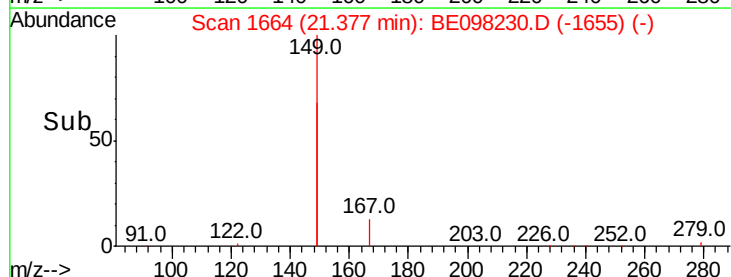
Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.6	8.4
279	1.9	0.9	1.3#

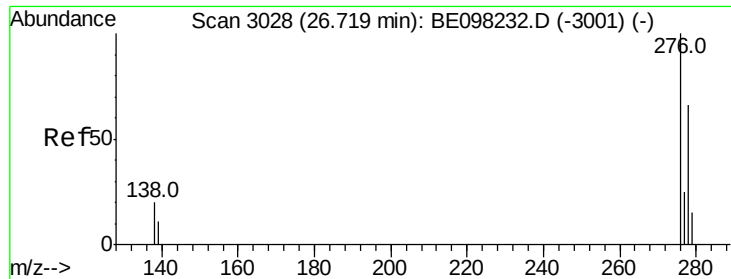


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.084 ng

RT: 26.72 min Scan# 3029

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

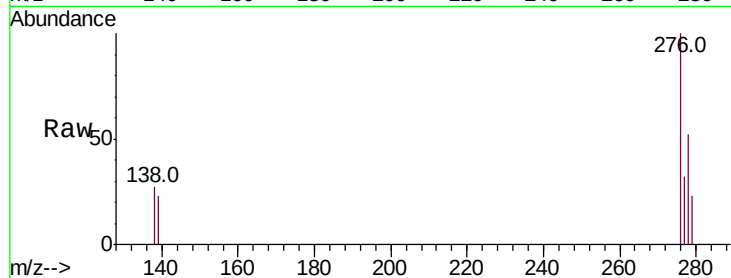
Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 2242

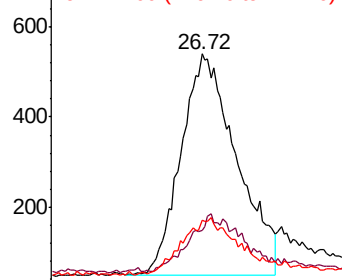
Ion	Ratio	Lower	Upper
276	100		
138	13.6	6.4	9.6#
277	24.5	18.9	28.3



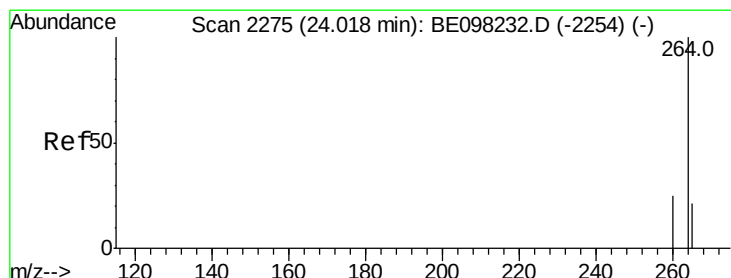
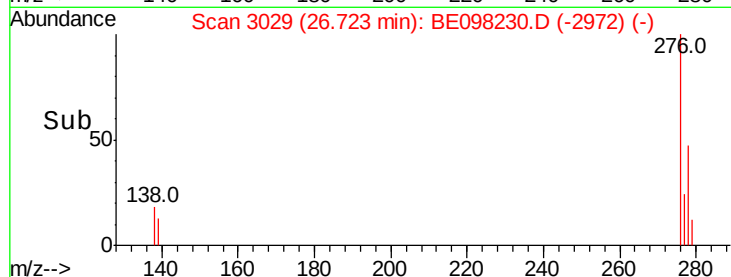
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.02 min Scan# 2275

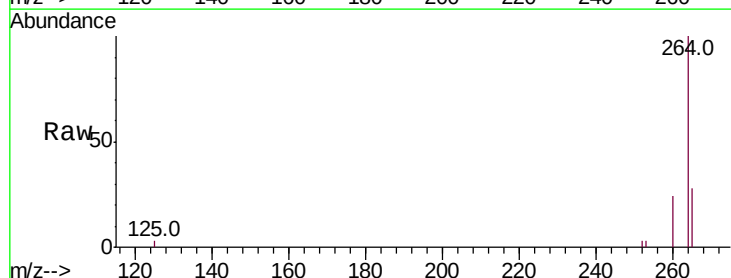
Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Tgt Ion:264 Resp: 9430

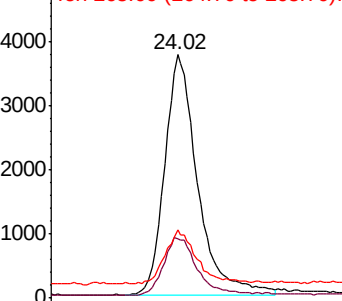
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.9	29.9
265	28.1	21.3	31.9



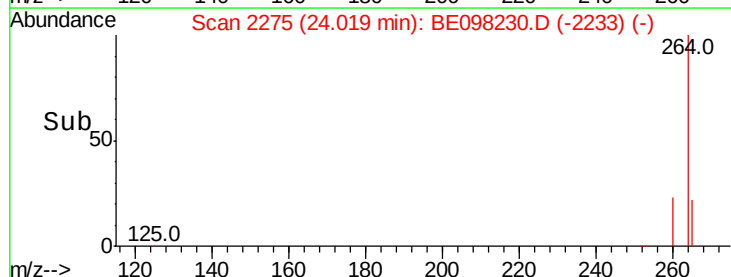
Abundance Ion 264.00 (263.70 to 264.70): E

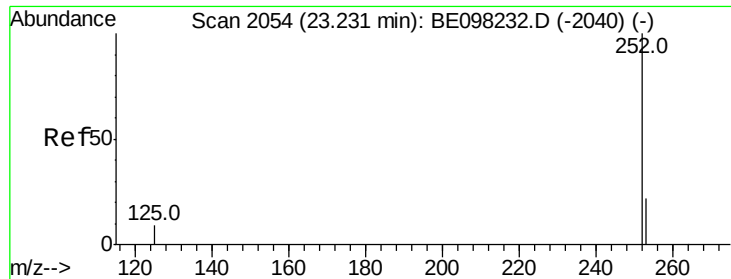
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#35

Benzo(b)fluoranthene

Concen: 0.099 ng

RT: 23.24 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

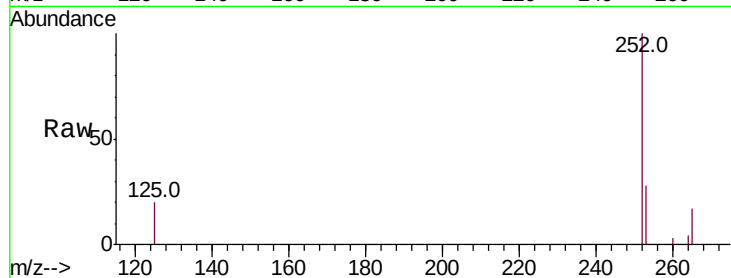
Tot Ion:252 Resp: 2649

Ion Ratio Lower Upper

252 100

253 28.3 19.4 29.0

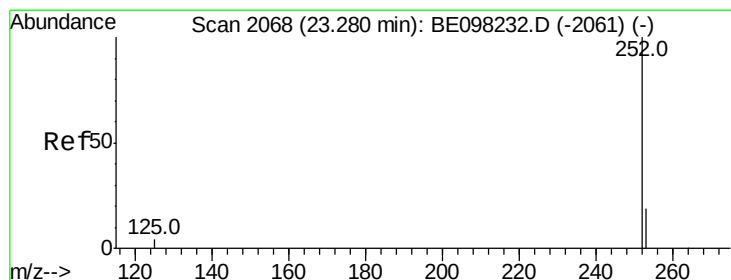
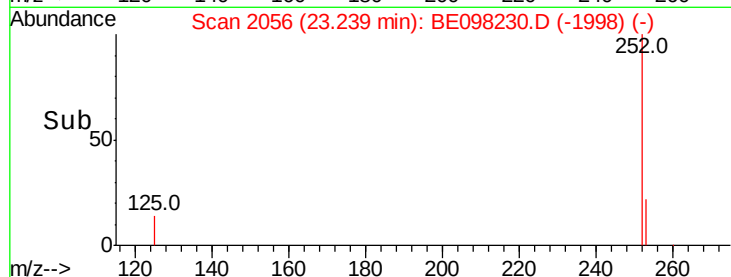
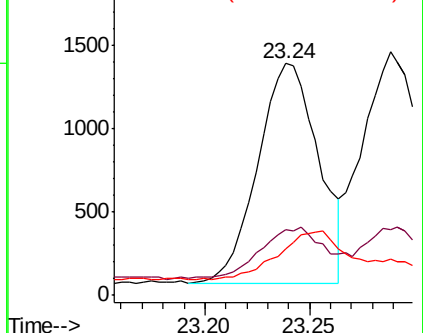
125 20.2 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.109 ng

RT: 23.29 min Scan# 2070

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

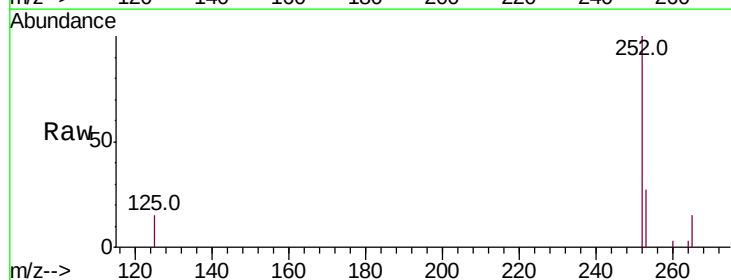
Tgt Ion:252 Resp: 3065

Ion Ratio Lower Upper

252 100

253 26.8 18.6 28.0

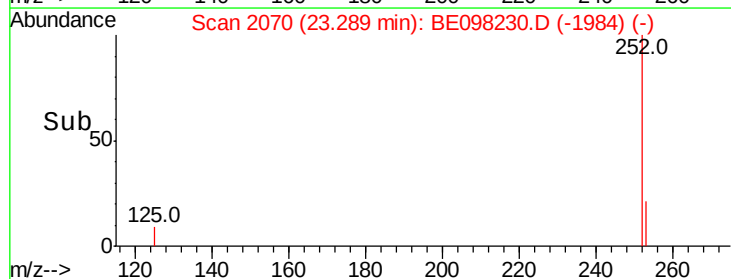
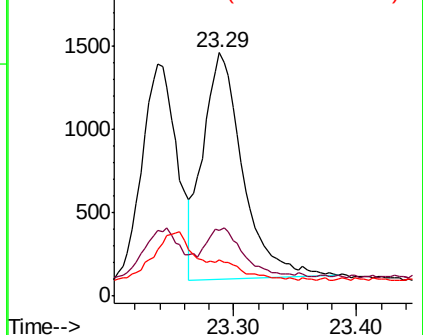
125 14.7 7.4 11.0#

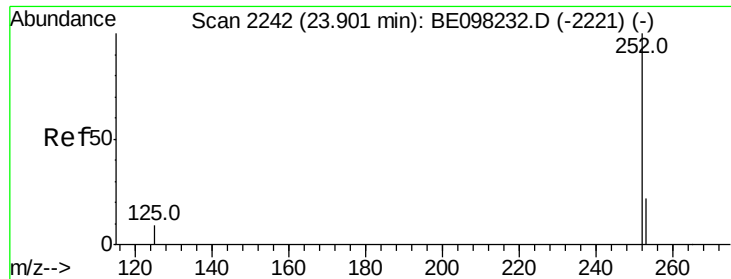


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.103 ng

RT: 23.91 min Scan# 2245

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampled :

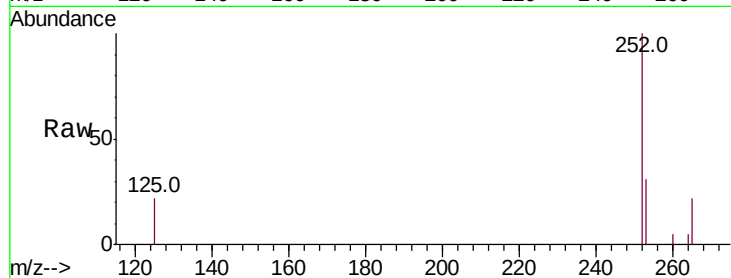
Tot Ion:252 Resp: 2640

Ion Ratio Lower Upper

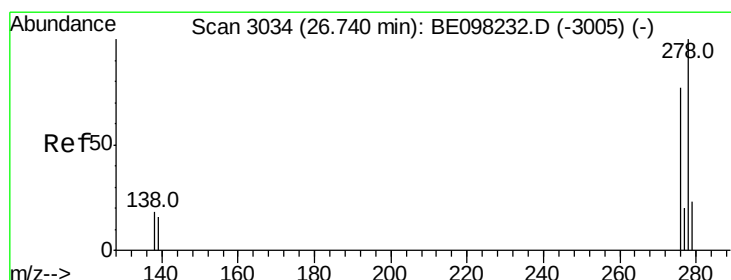
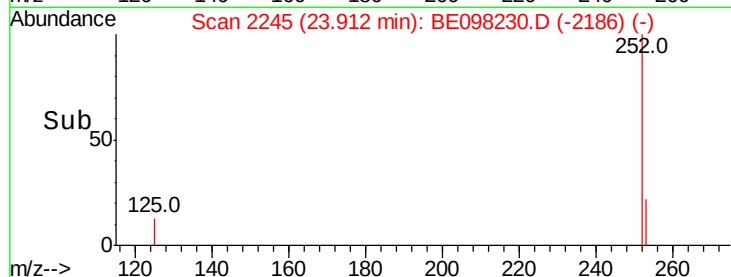
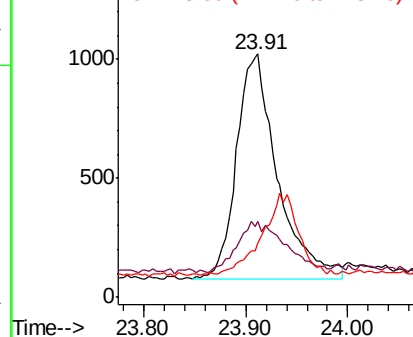
252 100

253 31.0 18.6 27.8#

125 22.1 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.085 ng

RT: 26.75 min Scan# 3036

Delta R.T. 0.01 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

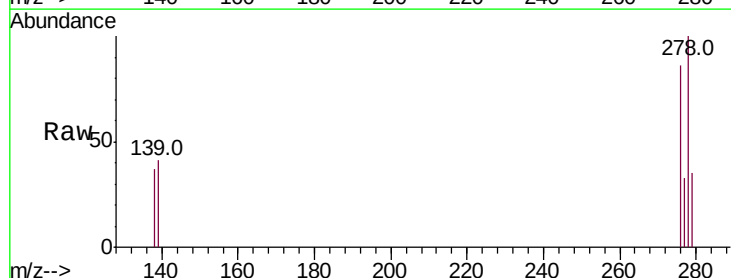
Tgt Ion:278 Resp: 1867

Ion Ratio Lower Upper

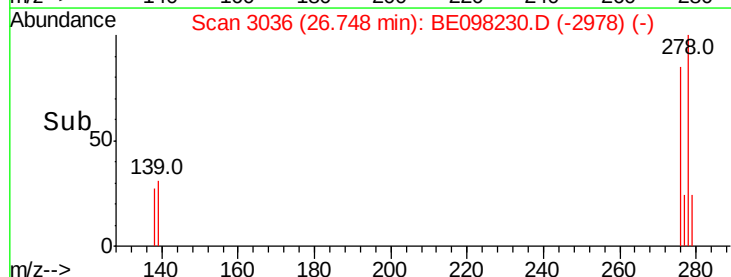
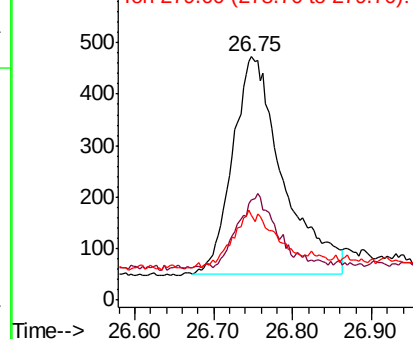
278 100

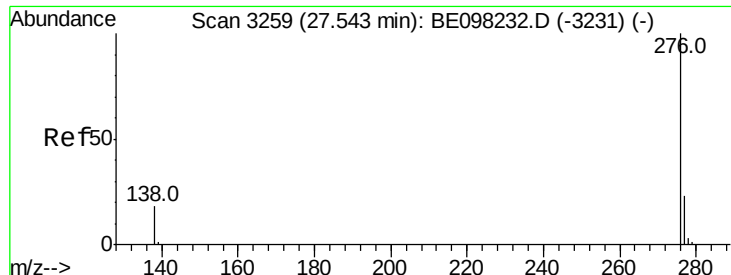
139 41.4 16.4 24.6#

279 34.9 21.3 31.9#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.093 ng

RT: 27.54 min Scan# 3259

Delta R.T. 0.00 min

Lab File: BE098230.D

Acq: 16 Nov 2018 15:26

Instrument :

BNA_E

ClientSampleId :

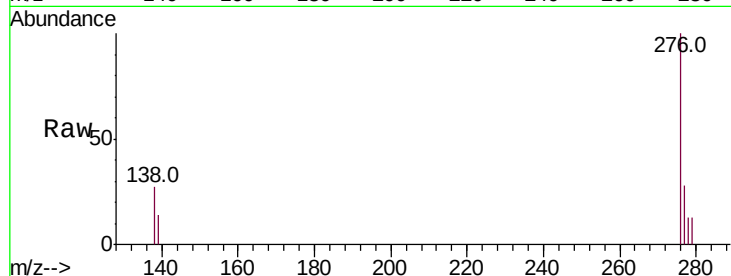
Tot Ion:276 Resp: 2132

Ion Ratio Lower Upper

276 100

277 28.2 20.4 30.6

138 27.4 13.2 19.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

