

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
 Data File : BE098214.D
 Acq On : 13 Nov 2018 18:27
 Operator : SJ/JU
 Sample : J5864-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 13 18:58:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1110	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	5326	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3654	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	8688	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9525	0.40	ng	0.00
34) Perylene-d12	24.01	264	9184	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	860	0.27	ng	0.00
5) Phenol-d6	7.04	99	1477	0.29	ng	0.00
8) Nitrobenzene-d5	9.03	82	1354	0.25	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	2396	0.26	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	377	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	3546	0.23	ng	0.01
25) Fluoranthene-d10	19.31	212	27677	0.26	ng	0.00
29) Terphenyl-d14	19.91	244	5442	0.25	ng	0.00

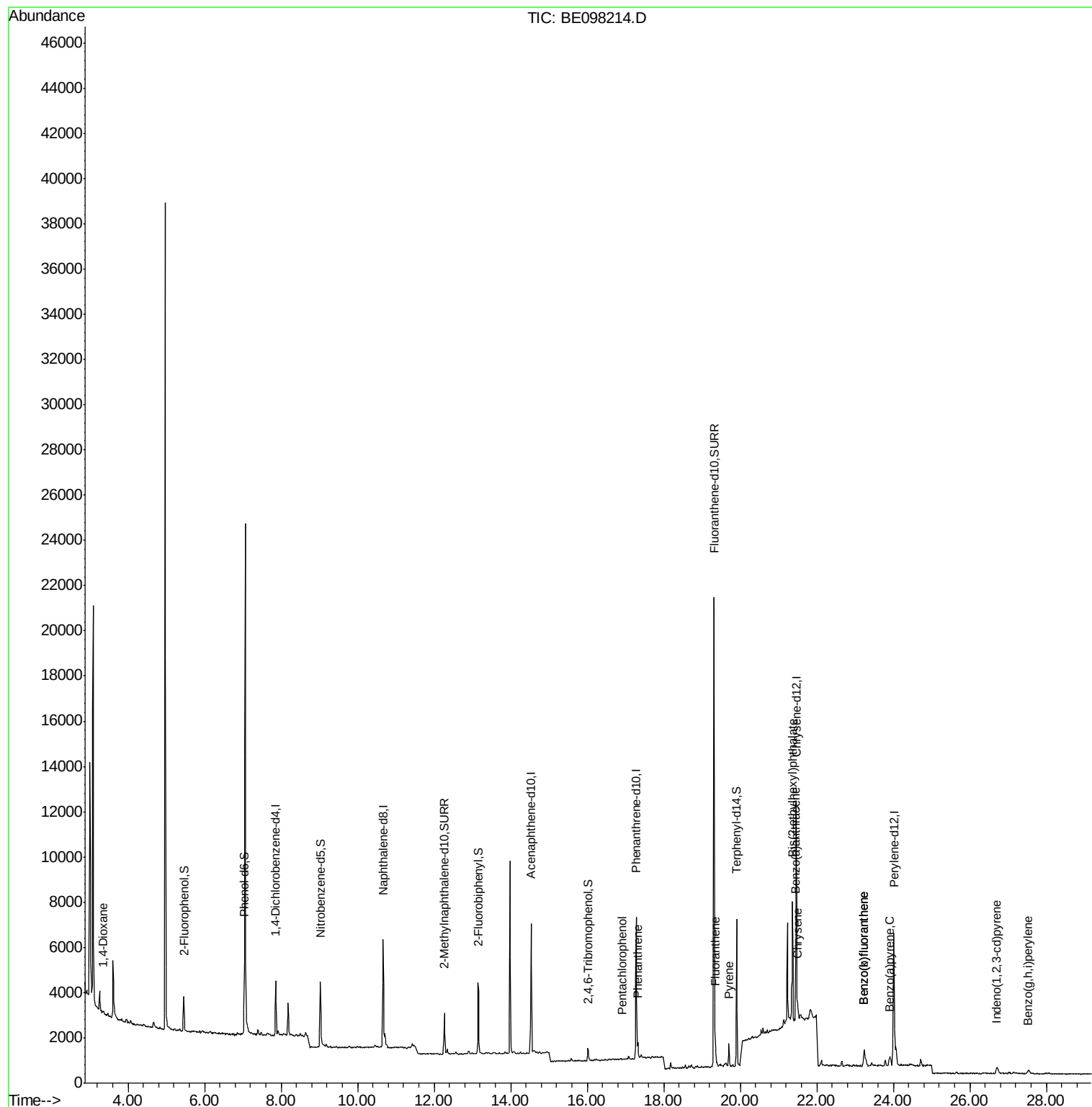
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	126	0.073	ng	# 41
22) Pentachlorophenol	16.92	266	12	0.089	ng	# 72
23) Phenanthrene	17.33	178	785	0.036	ng	# 94
26) Fluoranthene	19.34	202	987	0.037	ng	# 85
28) Pyrene	19.70	202	1038	0.040	ng	# 93
30) Benzo(a)anthracene	21.45	228	853	0.032	ng	# 73
31) Chrysene	21.50	228	692	0.025	ng	# 72
32) Bis(2-ethylhexyl)phthalate	21.37	149	7697	0.137	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.70	276	564	0.022	ng	# 73
35) Benzo(b)fluoranthene	23.24	252	1071	0.041	ng	# 11
36) Benzo(k)fluoranthene	23.24	252	1071	0.039	ng	# 8
37) Benzo(a)pyrene	23.90	252	748	0.030	ng	# 30
39) Benzo(a,h,i)perylene	27.52	276	473	0.021	ng	# 43

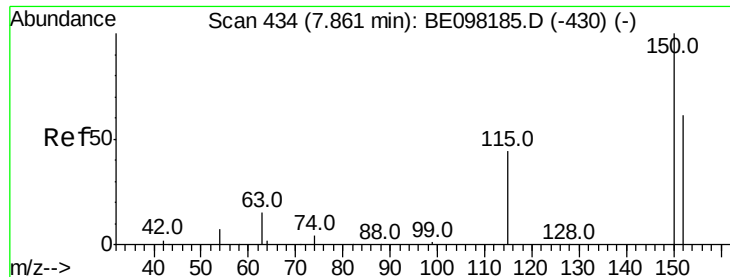
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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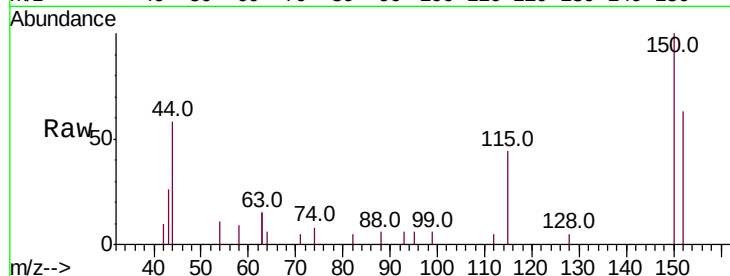


#1

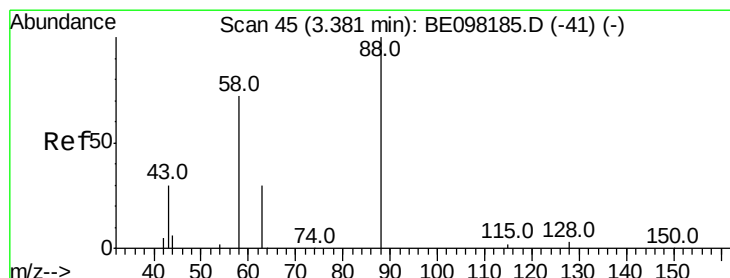
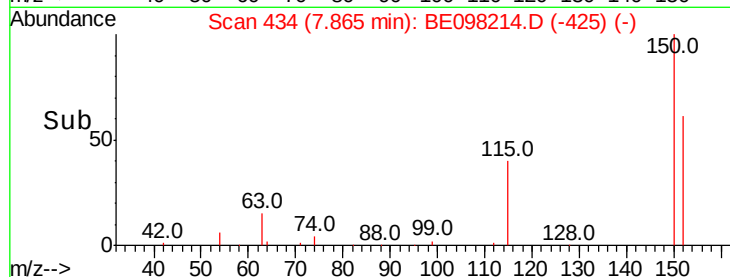
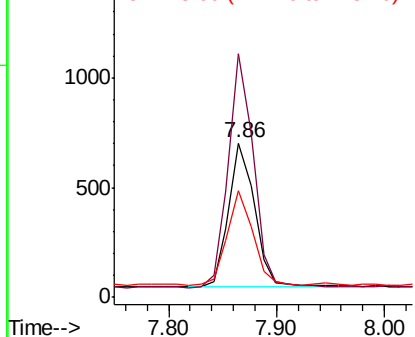
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1110
Ion Ratio Lower Upper
152 100
150 158.0 127.5 191.3
115 69.4 60.3 90.5



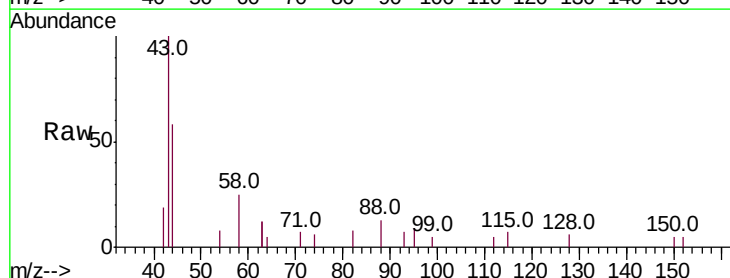
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



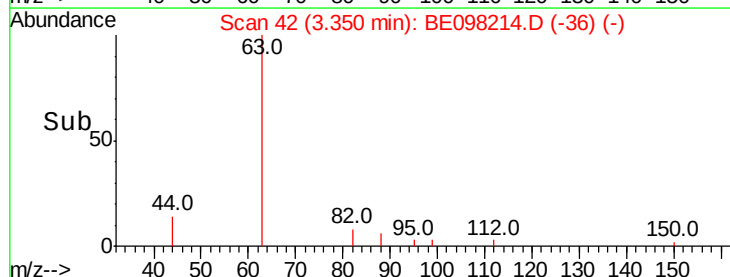
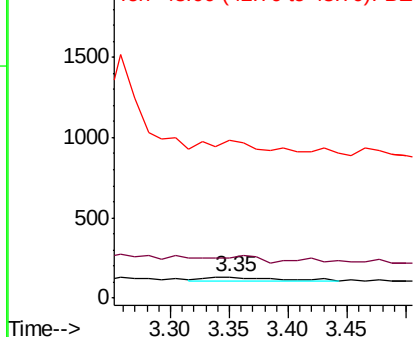
#2

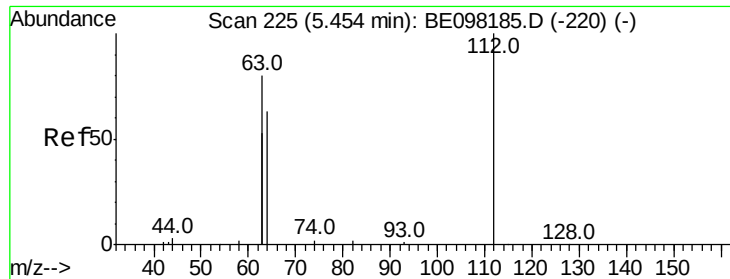
1,4-Dioxane
Concen: 0.073 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.03 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
58 46.0 79.0 118.4#
43 0.0 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





#4

2-Fluorophenol

Concen: 0.274 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampled :

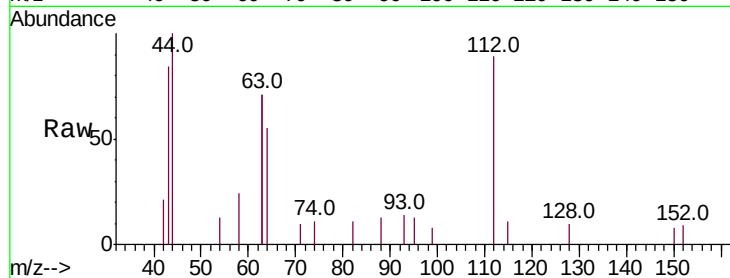
Tot Ion:112 Resp: 860

Ion Ratio Lower Upper

112 100

64 72.7 61.7 92.5

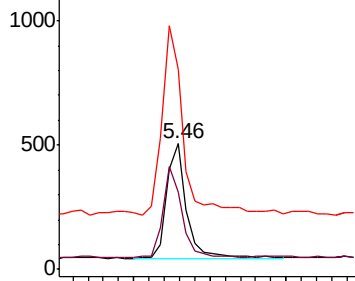
63 173.0 136.2 204.2



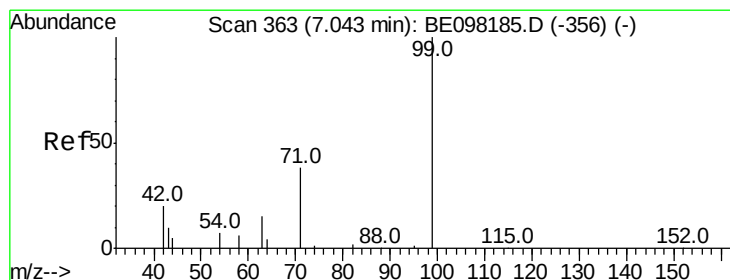
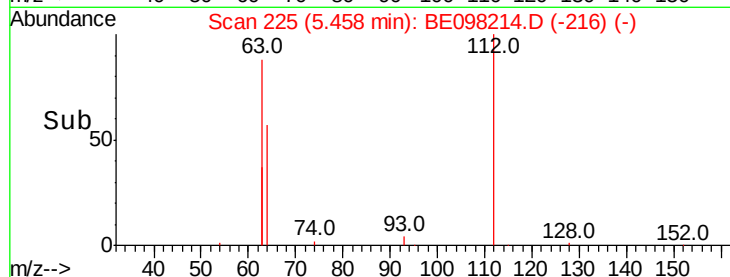
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.293 ng

RT: 7.04 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

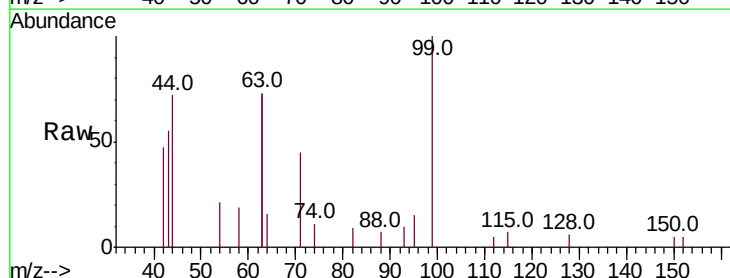
Tgt Ion: 99 Resp: 1477

Ion Ratio Lower Upper

99 100

42 0.0 27.1 40.7#

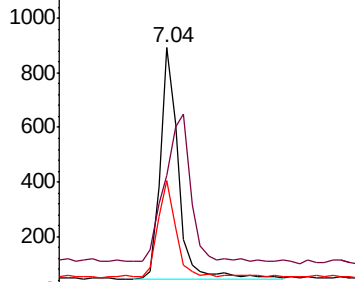
71 40.1 37.0 55.6



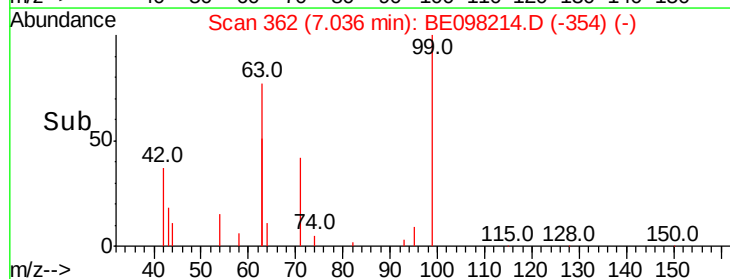
Abundance Ion 99.00 (98.70 to 99.70): BE0

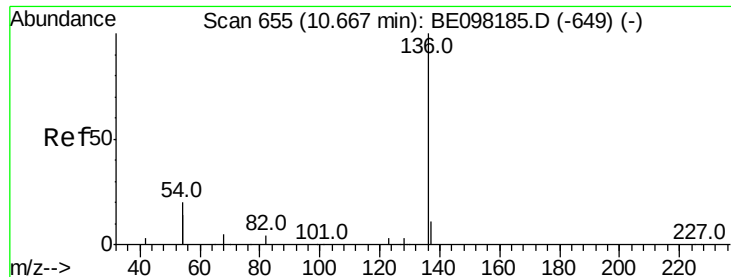
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5326

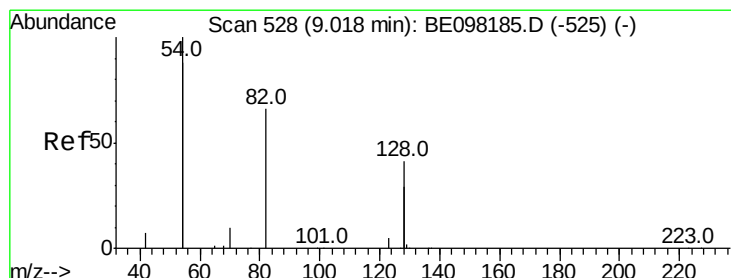
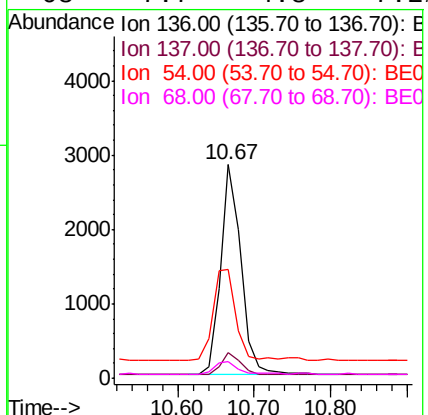
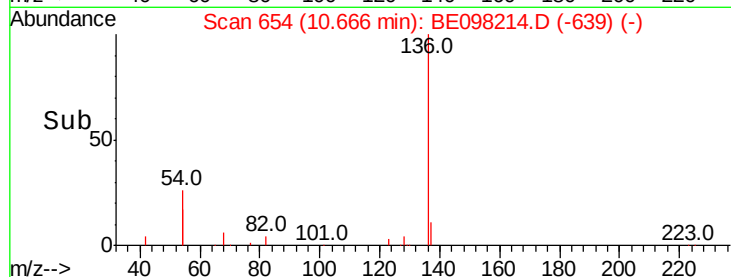
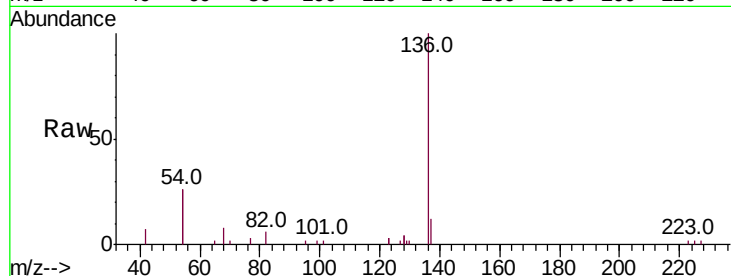
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 51.2 31.3 46.9#

68 7.7 4.8 7.2#



#8

Nitrobenzene-d5

Concen: 0.255 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

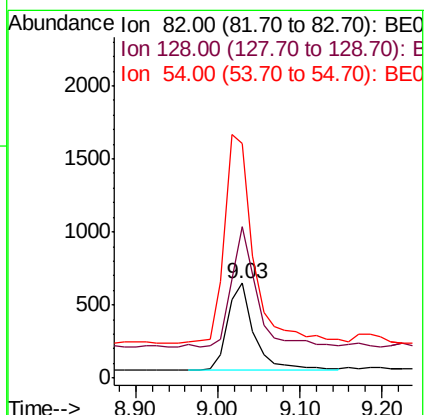
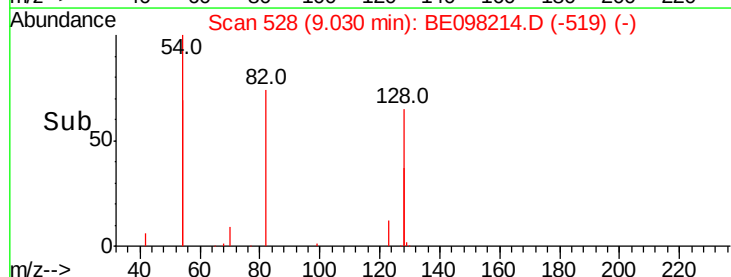
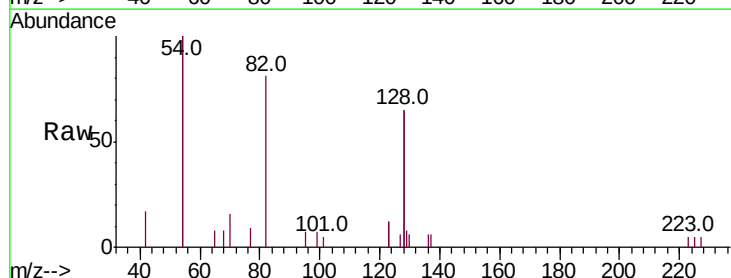
Tgt Ion: 82 Resp: 1354

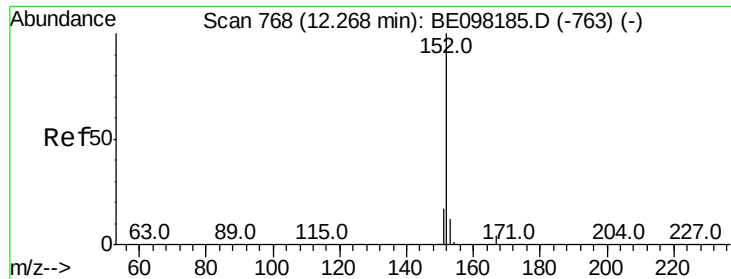
Ion Ratio Lower Upper

82 100

128 159.6 96.1 144.1#

54 247.1 232.0 348.0

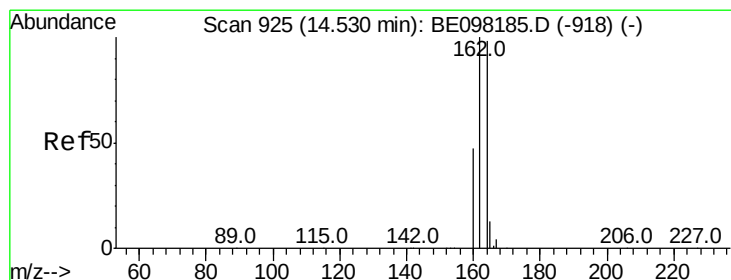
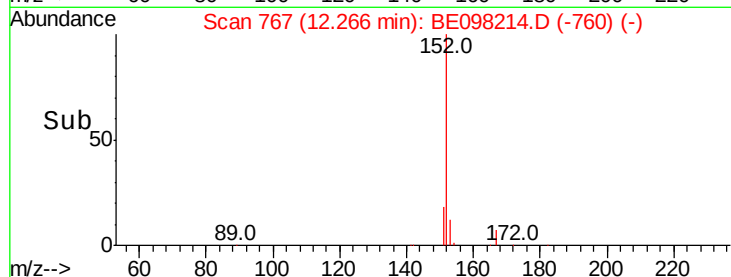
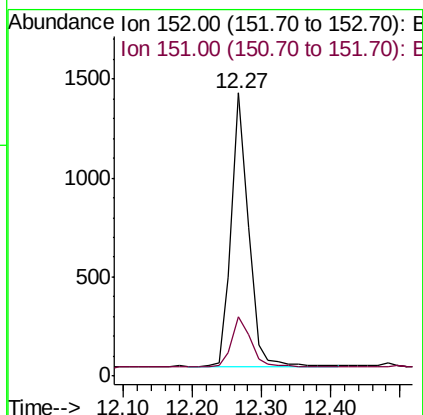
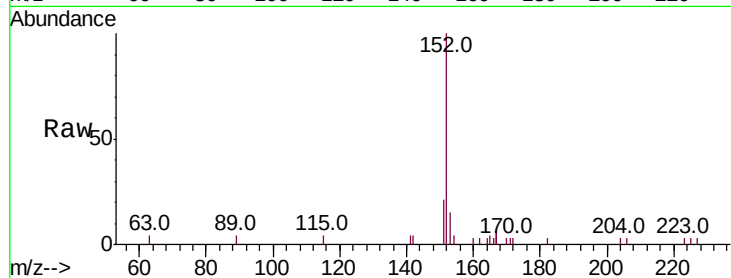




#11
 2-Methylnaphthalene-d10
 Concen: 0.256 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE098214.D
 Acq: 13 Nov 2018 18:27

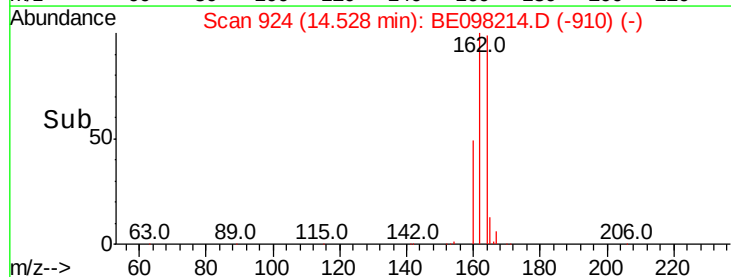
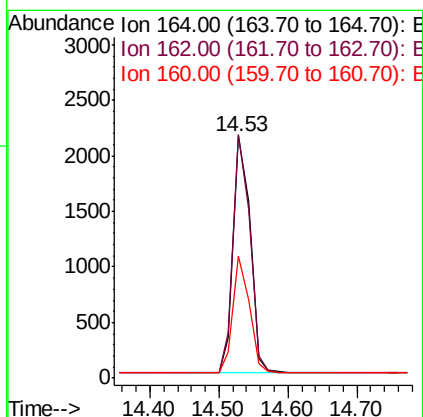
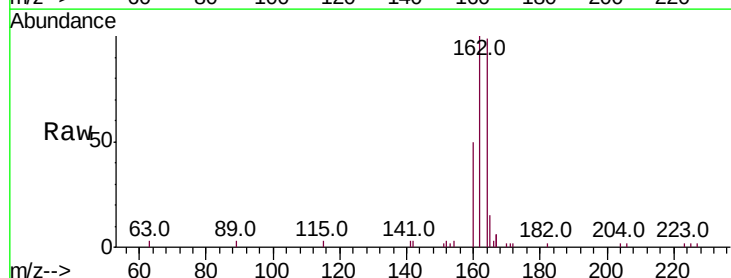
Instrument :
 BNA_E
 ClientSampleId :

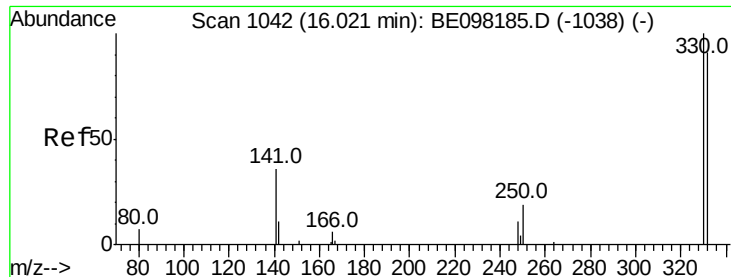
Tot Ion:152 Resp: 2396
 Ion Ratio Lower Upper
 152 100
 151 21.1 15.4 23.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BE098214.D
 Acq: 13 Nov 2018 18:27

Tgt Ion:164 Resp: 3654
 Ion Ratio Lower Upper
 164 100
 162 100.6 81.8 122.6
 160 50.5 39.4 59.0

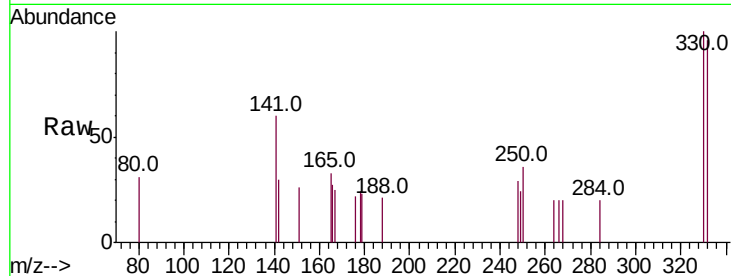




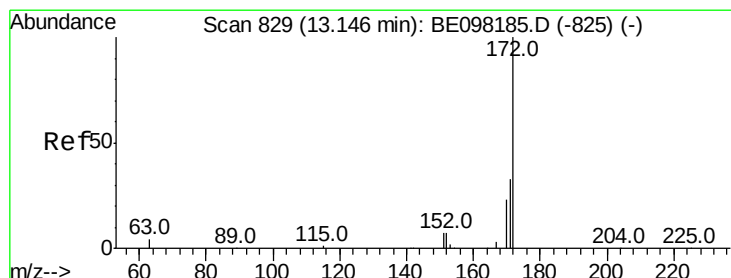
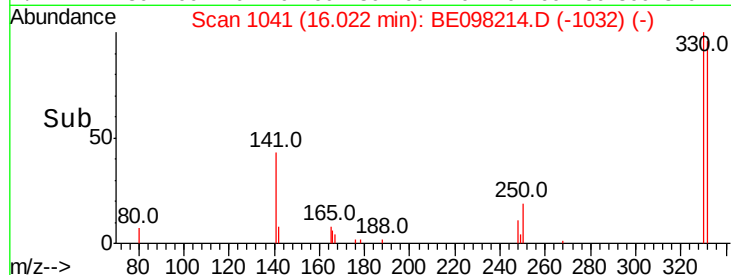
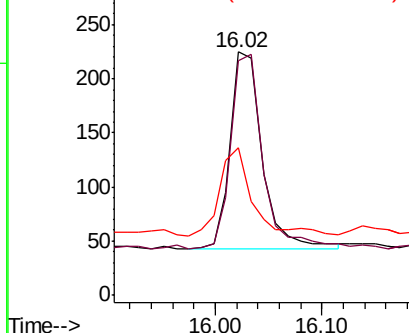
#14
 2,4,6-Tribromophenol
 Concen: 0.237 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BE098214.D
 Acq: 13 Nov 2018 18:27

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 377
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.7 116.5
 141 43.2 33.6 50.4

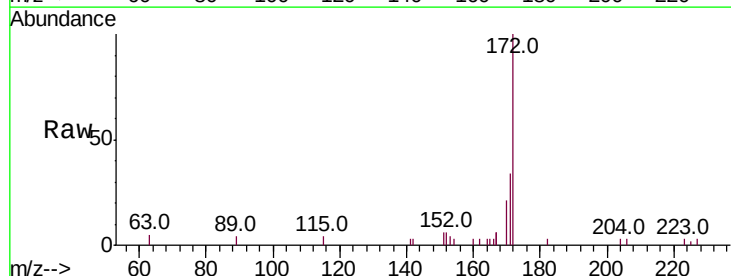


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

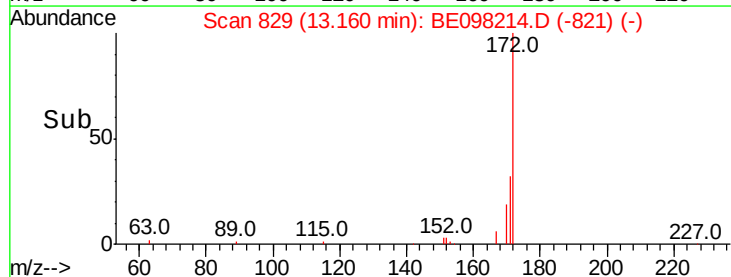
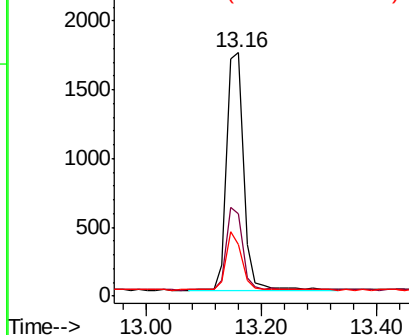


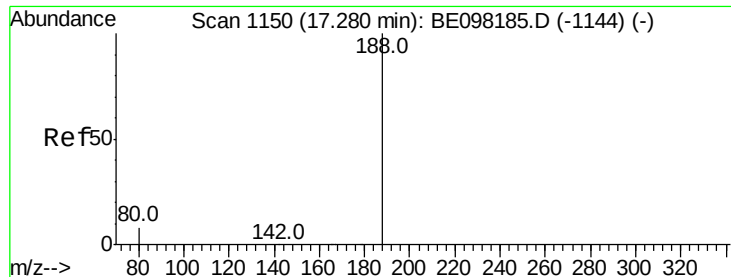
#15
 2-Fluorobiphenyl
 Concen: 0.232 ng
 RT: 13.16 min Scan# 829
 Delta R.T. 0.01 min
 Lab File: BE098214.D
 Acq: 13 Nov 2018 18:27

Tgt Ion:172 Resp: 3546
 Ion Ratio Lower Upper
 172 100
 171 33.7 27.3 40.9
 170 21.1 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampleId :

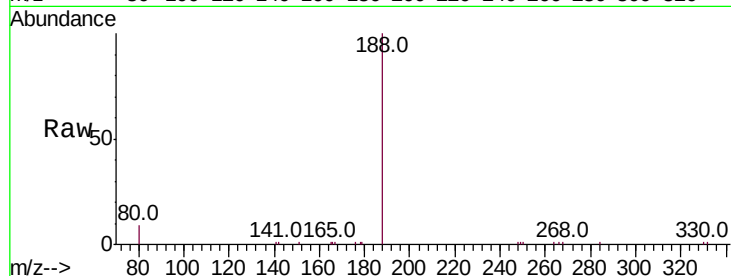
Tot Ion:188 Resp: 8688

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

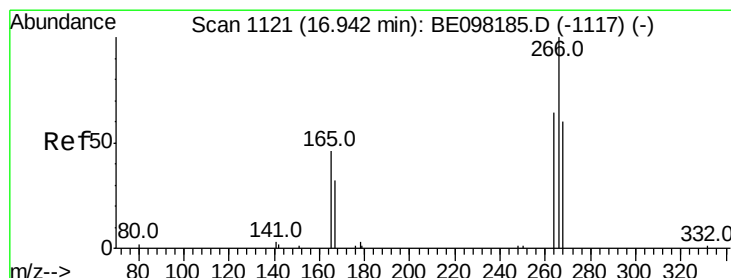
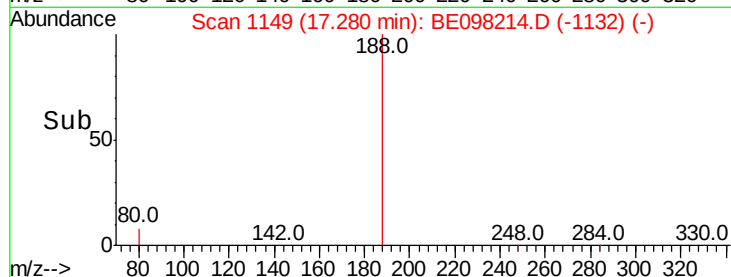
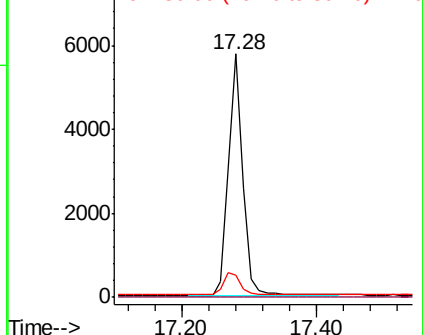
80 9.1 6.7 10.1



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



#22

Pentachlorophenol

Concen: 0.089 ng

RT: 16.92 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

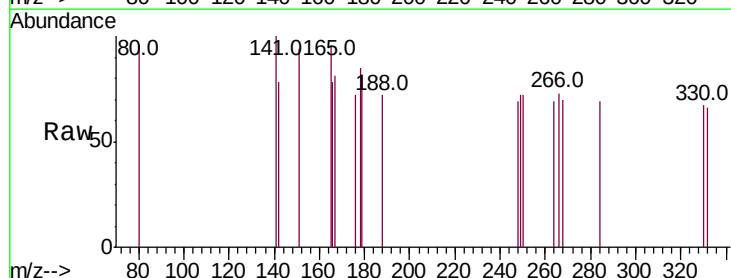
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 93.9 57.6 86.4#

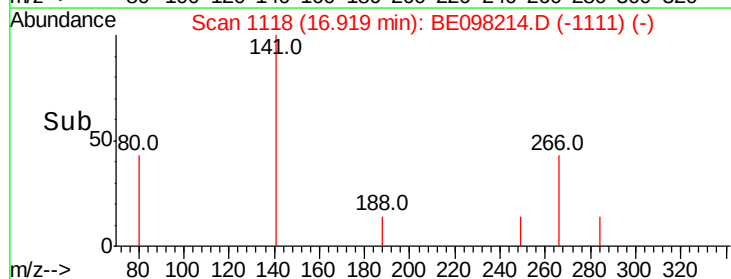
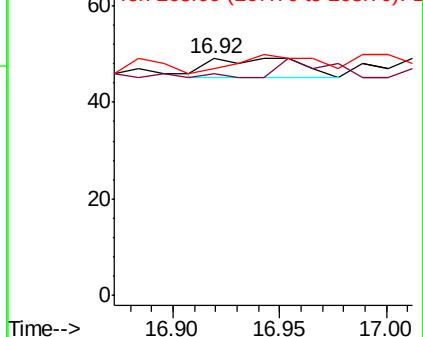
268 95.9 56.8 85.2#

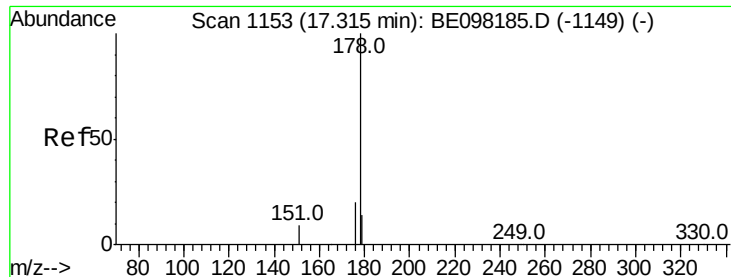


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.036 ng

RT: 17.33 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampleId :

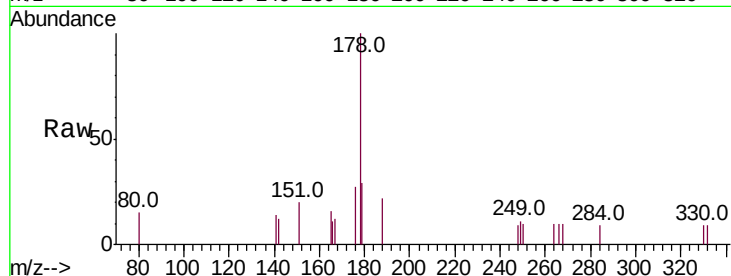
Tot Ion:178 Resp: 785

Ion Ratio Lower Upper

178 100

176 23.3 15.8 23.8

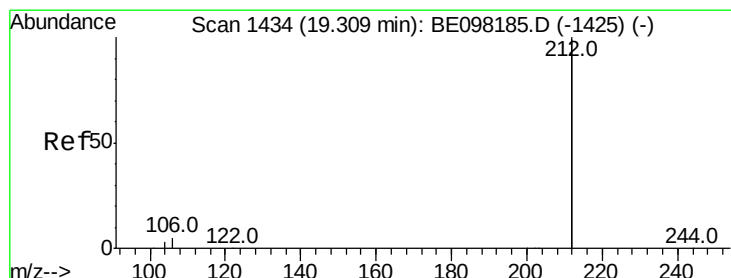
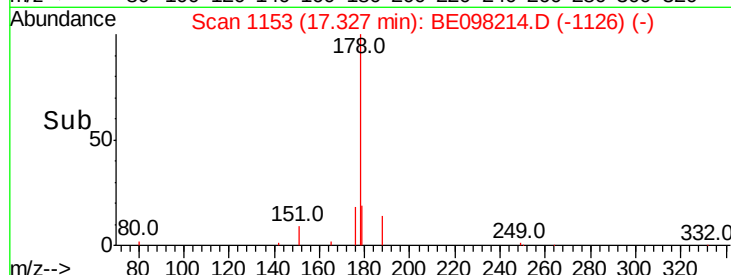
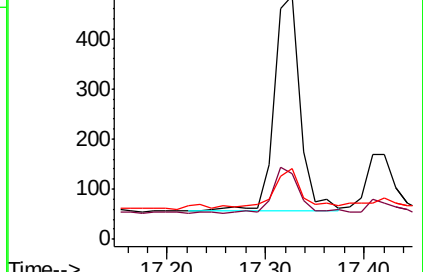
179 16.8 12.3 18.5



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: 0.255 ng

RT: 19.31 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

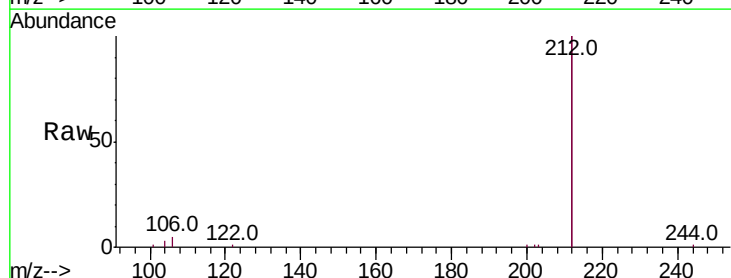
Tgt Ion:212 Resp: 27677

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

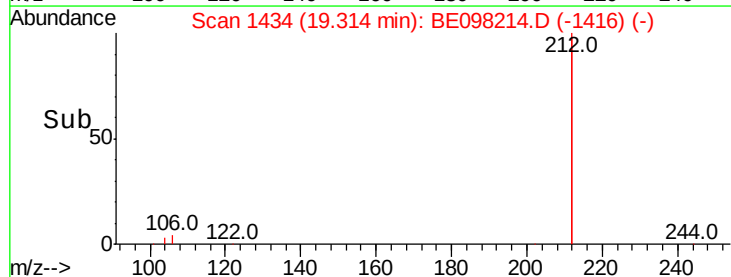
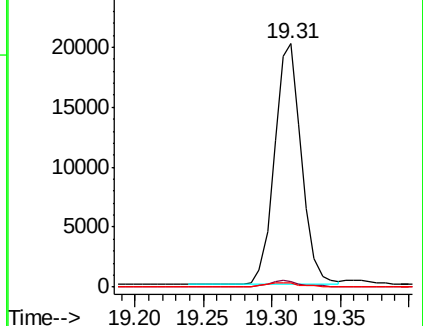
104 1.6 1.1 1.7

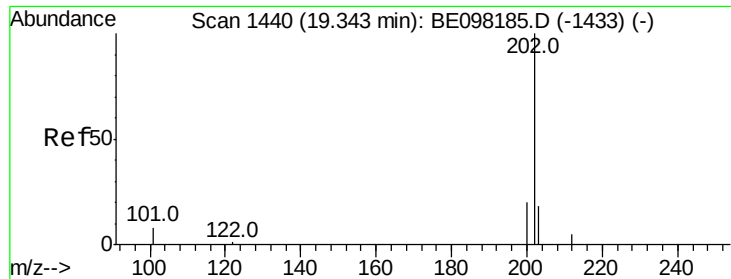


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

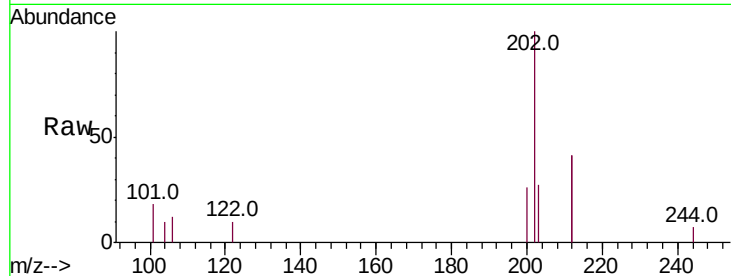




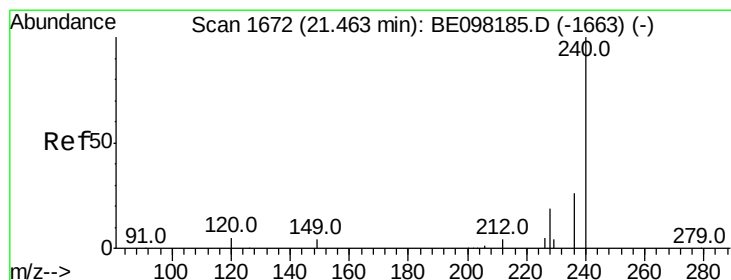
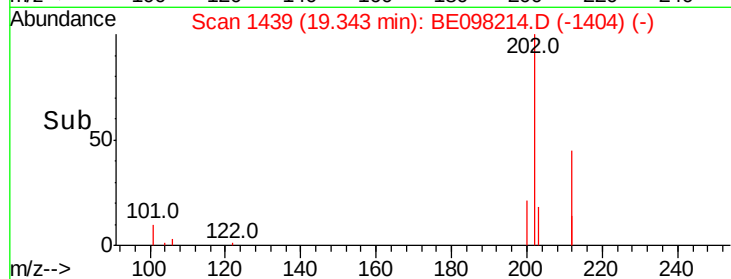
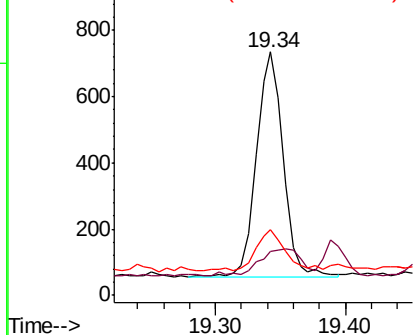
#26
Fluoranthene
Concen: 0.037 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 987
Ion Ratio Lower Upper
202 100
101 19.0 7.0 10.6#
203 20.9 13.7 20.5#

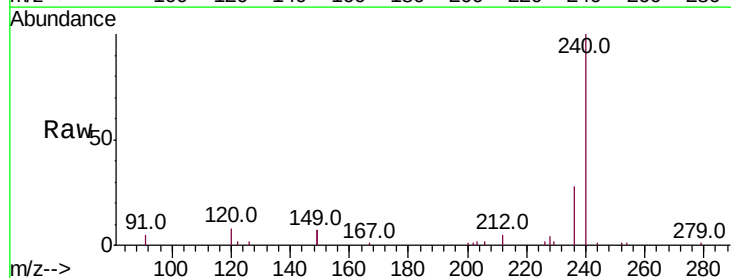


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

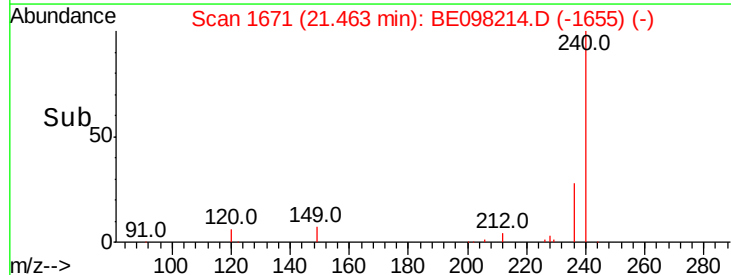
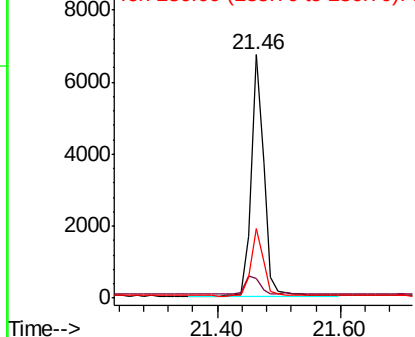


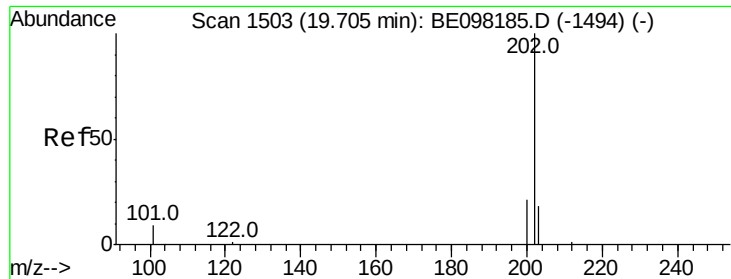
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Tgt Ion:240 Resp: 9525
Ion Ratio Lower Upper
240 100
120 8.1 4.8 7.2#
236 28.5 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

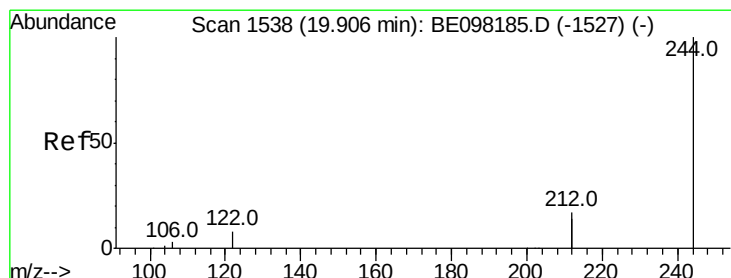
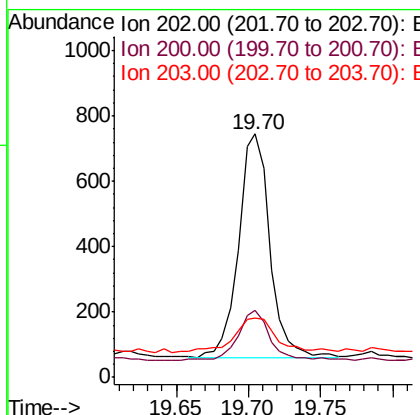
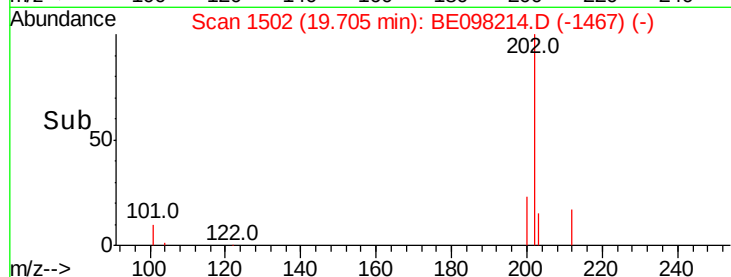
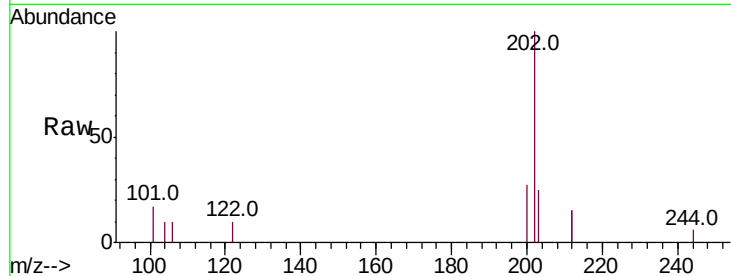




#28
Pvrene
Concen: 0.040 ng
RT: 19.70 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

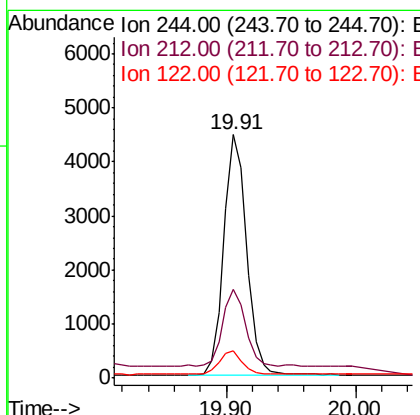
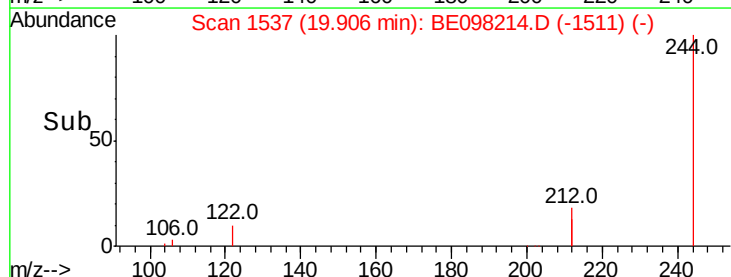
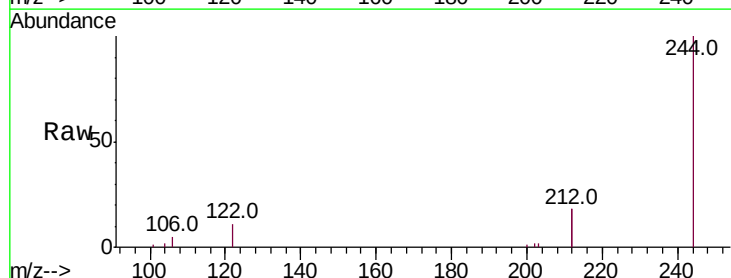
Instrument :
BNA_E
ClientSampleId :

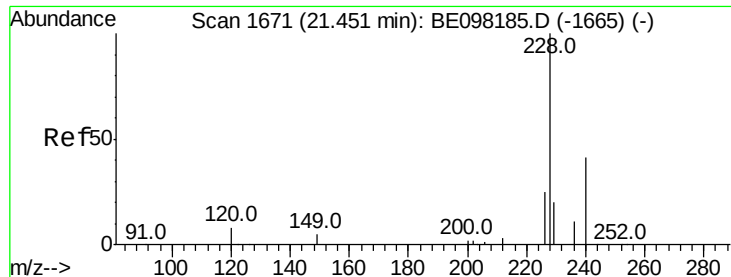
Tot Ion:202 Resp: 1038
Ion Ratio Lower Upper
202 100
200 23.9 17.2 25.8
203 21.9 14.2 21.4#



#29
Terphenyl-d14
Concen: 0.252 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Tgt Ion:244 Resp: 5442
Ion Ratio Lower Upper
244 100
212 36.5 26.8 40.2
122 11.3 7.0 10.6#

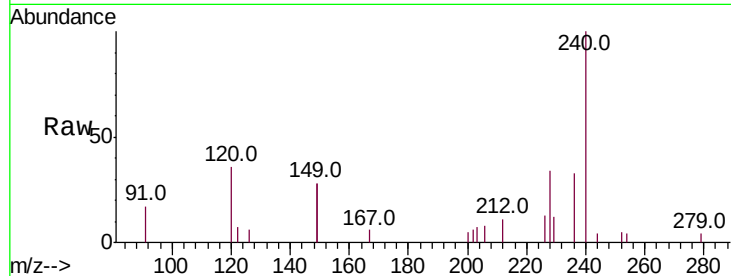




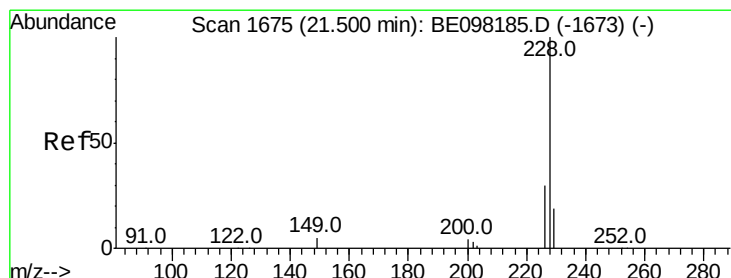
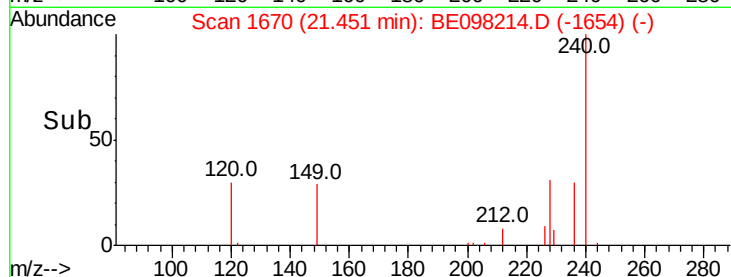
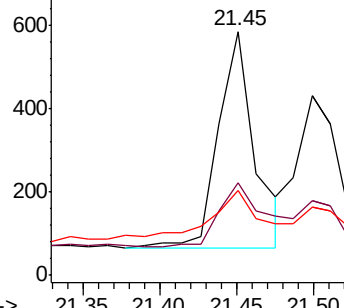
#30
Benzo(a)anthracene
Concen: 0.032 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 853
Ion Ratio Lower Upper
228 100
226 37.7 20.7 31.1#
229 35.0 16.2 24.4#

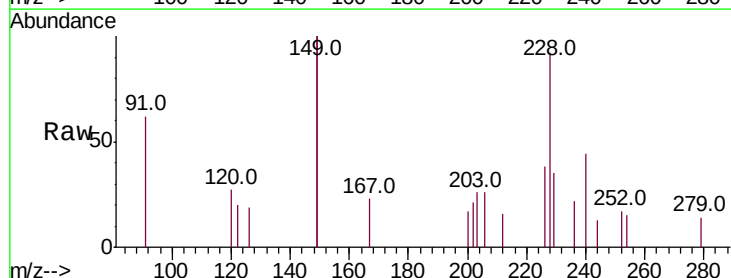


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

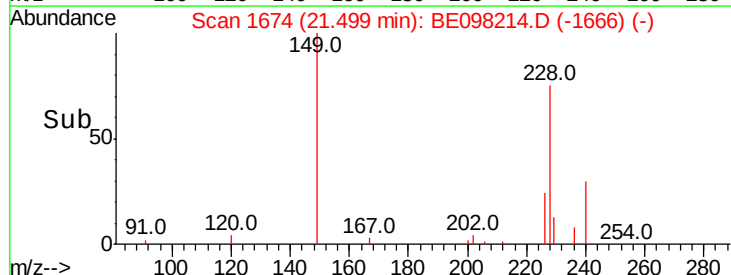
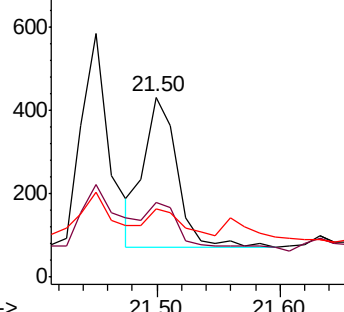


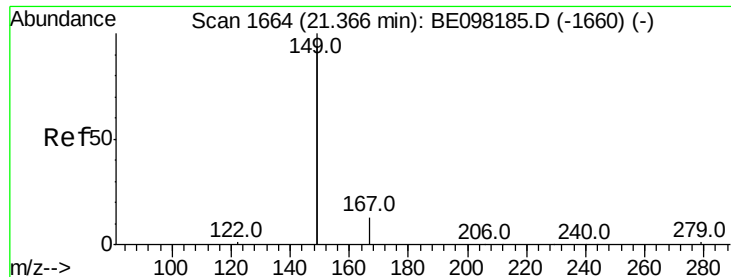
#31
Chrysene
Concen: 0.025 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Tgt Ion:228 Resp: 692
Ion Ratio Lower Upper
228 100
226 41.7 24.6 36.8#
229 38.0 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: 0.137 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampleId :

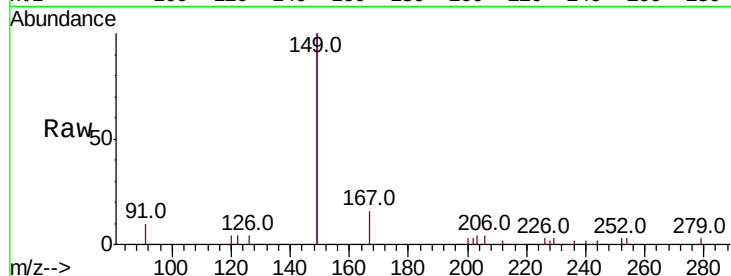
Tot Ion:149 Resp: 7697

Ion Ratio Lower Upper

149 100

167 8.0 5.6 8.4

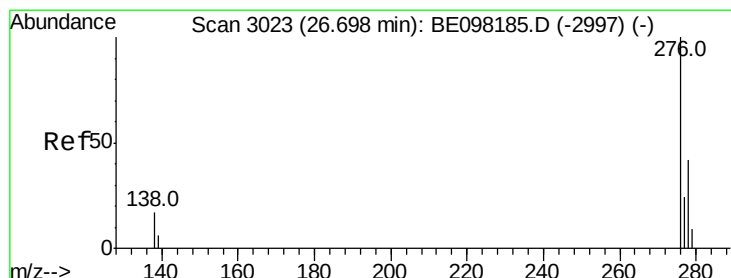
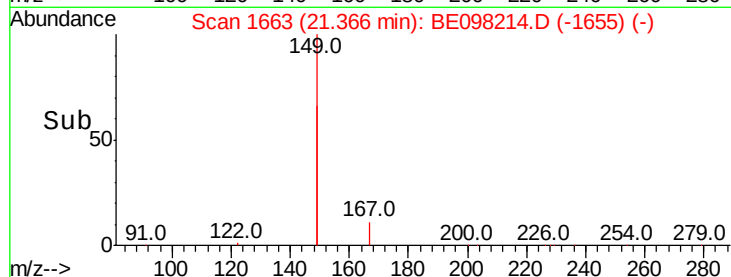
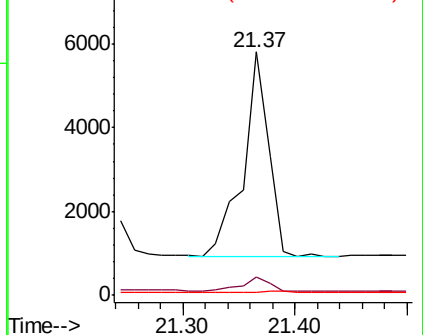
279 1.1 0.9 1.3



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: 0.022 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

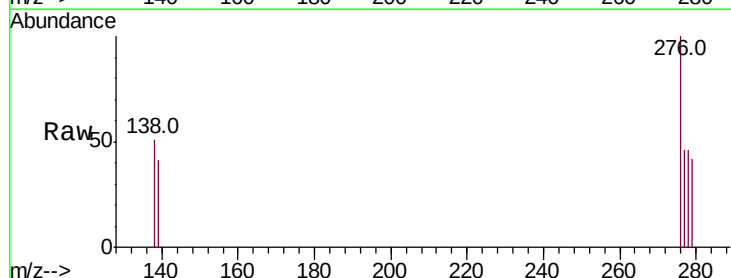
Tgt Ion:276 Resp: 564

Ion Ratio Lower Upper

276 100

138 3.0 6.4 9.6#

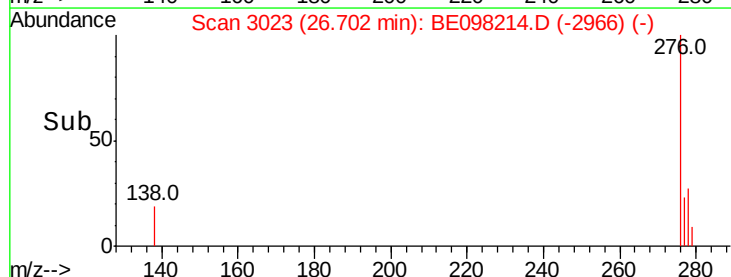
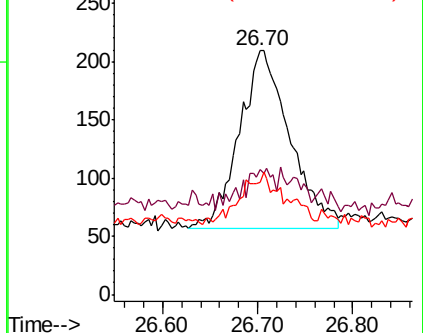
277 8.0 18.9 28.3#

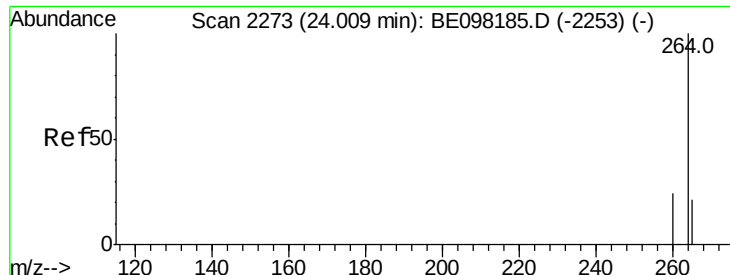


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

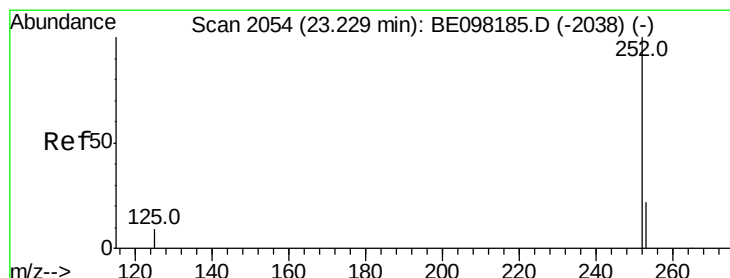
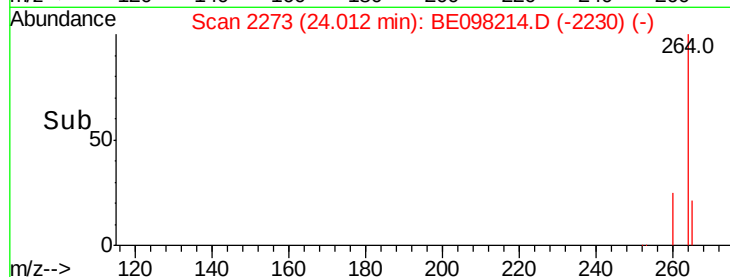
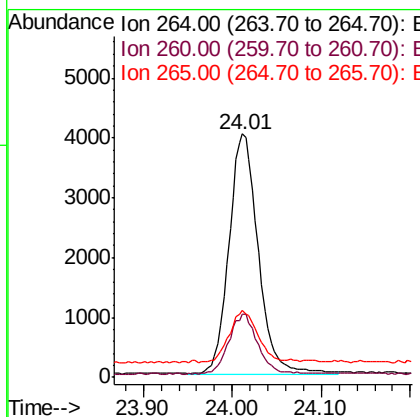
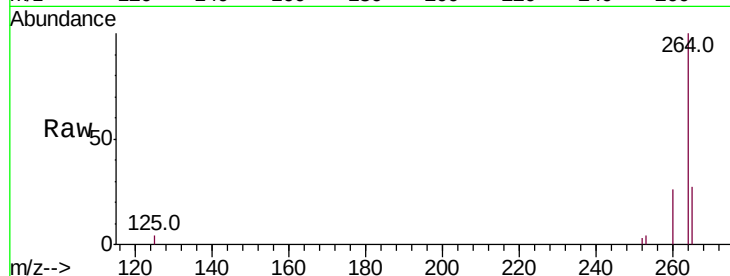




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

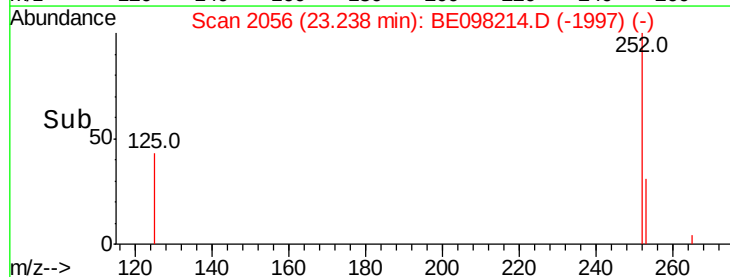
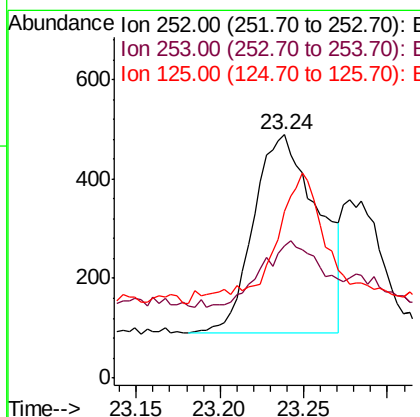
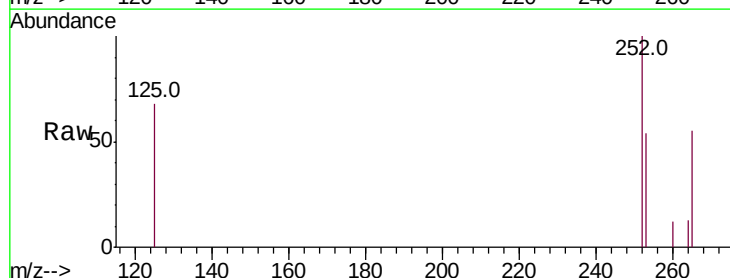
Instrument :
BNA_E
ClientSampleId :

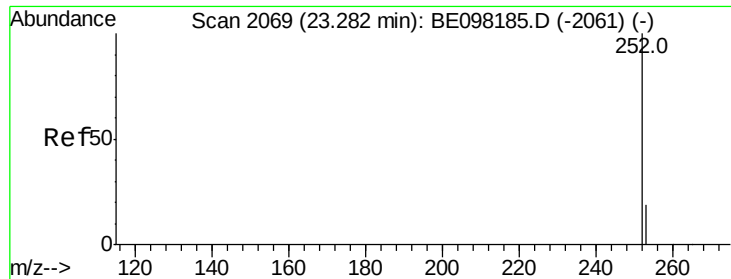
Tot Ion:264 Resp: 9184
Ion Ratio Lower Upper
264 100
260 25.7 19.9 29.9
265 27.5 21.3 31.9



#35
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 23.24 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BE098214.D
Acq: 13 Nov 2018 18:27

Tgt Ion:252 Resp: 1071
Ion Ratio Lower Upper
252 100
253 54.4 19.4 29.0#
125 68.3 8.6 12.8#





#36

Benzo(k)fluoranthene

Concen: 0.039 ng

RT: 23.24 min Scan# 2056

Delta R.T. -0.04 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampled :

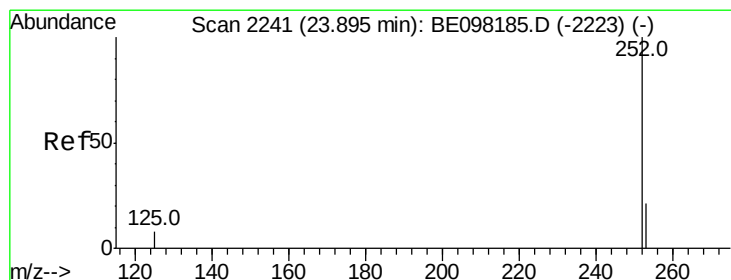
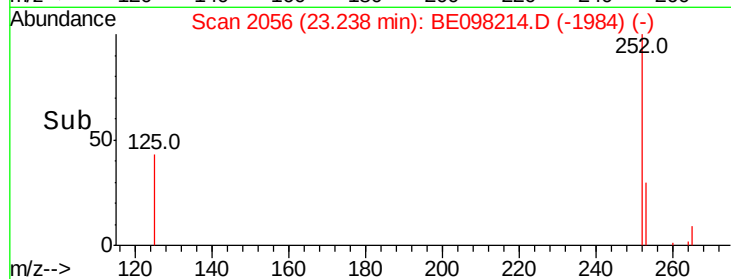
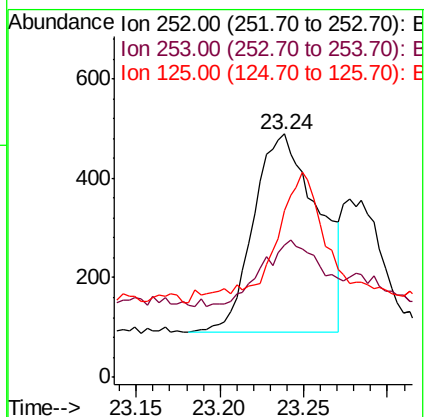
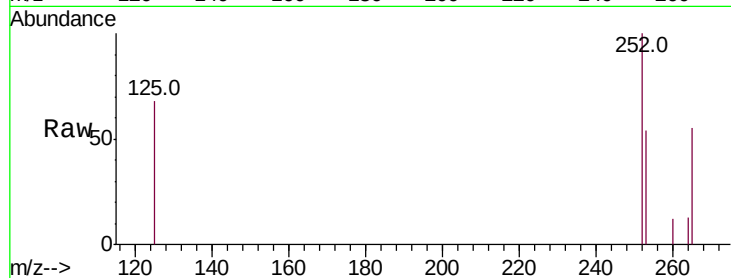
Tot Ion:252 Resp: 1071

Ion Ratio Lower Upper

252 100

253 54.4 18.6 28.0#

125 68.3 7.4 11.0#



#37

Benzo(a)pyrene

Concen: 0.030 ng

RT: 23.90 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

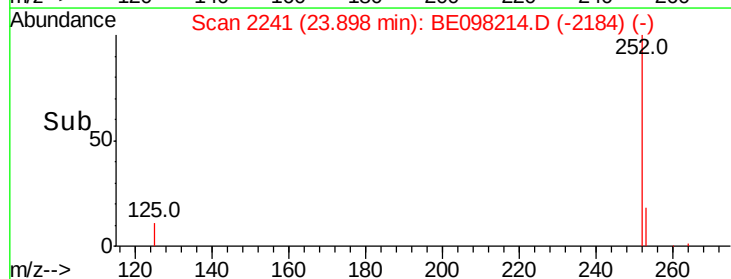
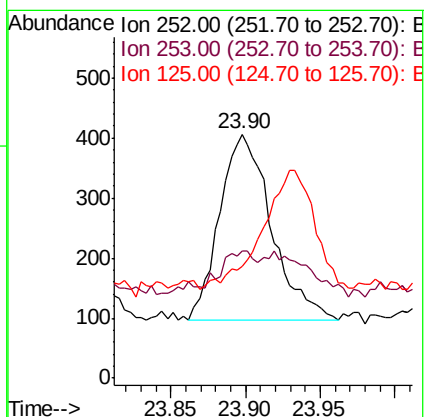
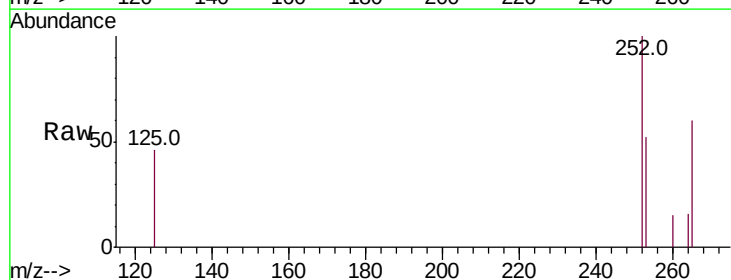
Tgt Ion:252 Resp: 748

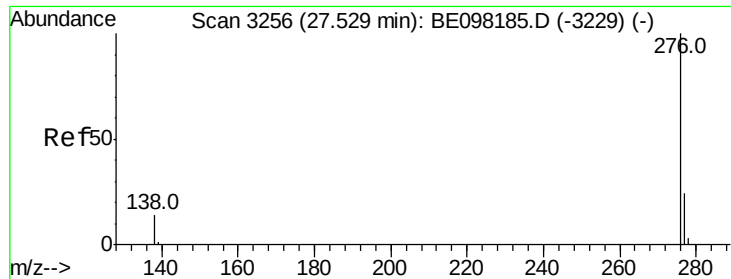
Ion Ratio Lower Upper

252 100

253 52.0 18.6 27.8#

125 45.8 8.0 12.0#





#39

Benzo(a,h,i)perylene

Concen: 0.021 ng

RT: 27.52 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BE098214.D

Acq: 13 Nov 2018 18:27

Instrument :

BNA_E

ClientSampleId :

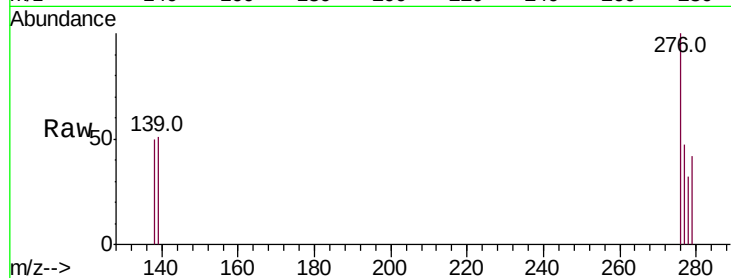
Tot Ion:276 Resp: 473

Ion Ratio Lower Upper

276 100

277 47.5 20.4 30.6#

138 50.3 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

