

Data Path : Z:\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095714.D
 Acq On : 7 Mar 2018 1:09
 Operator : SJ/JU
 Sample : J1811-10 20X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 07 03:03:58 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1404	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5667	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3387	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7532	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7714	0.40	ng	0.00
34) Perylene-d12	24.43	264	7281	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.85	112	5	0.00	ng	-0.06
5) Phenol-d6	7.57	99	61	0.01	ng	0.01
8) Nitrobenzene-d5	9.61	82	87	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.81	152	120	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	16	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	171	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	962	0.01	ng	0.00
29) Terphenyl-d14	20.25	244	166	0.01	ng	0.00

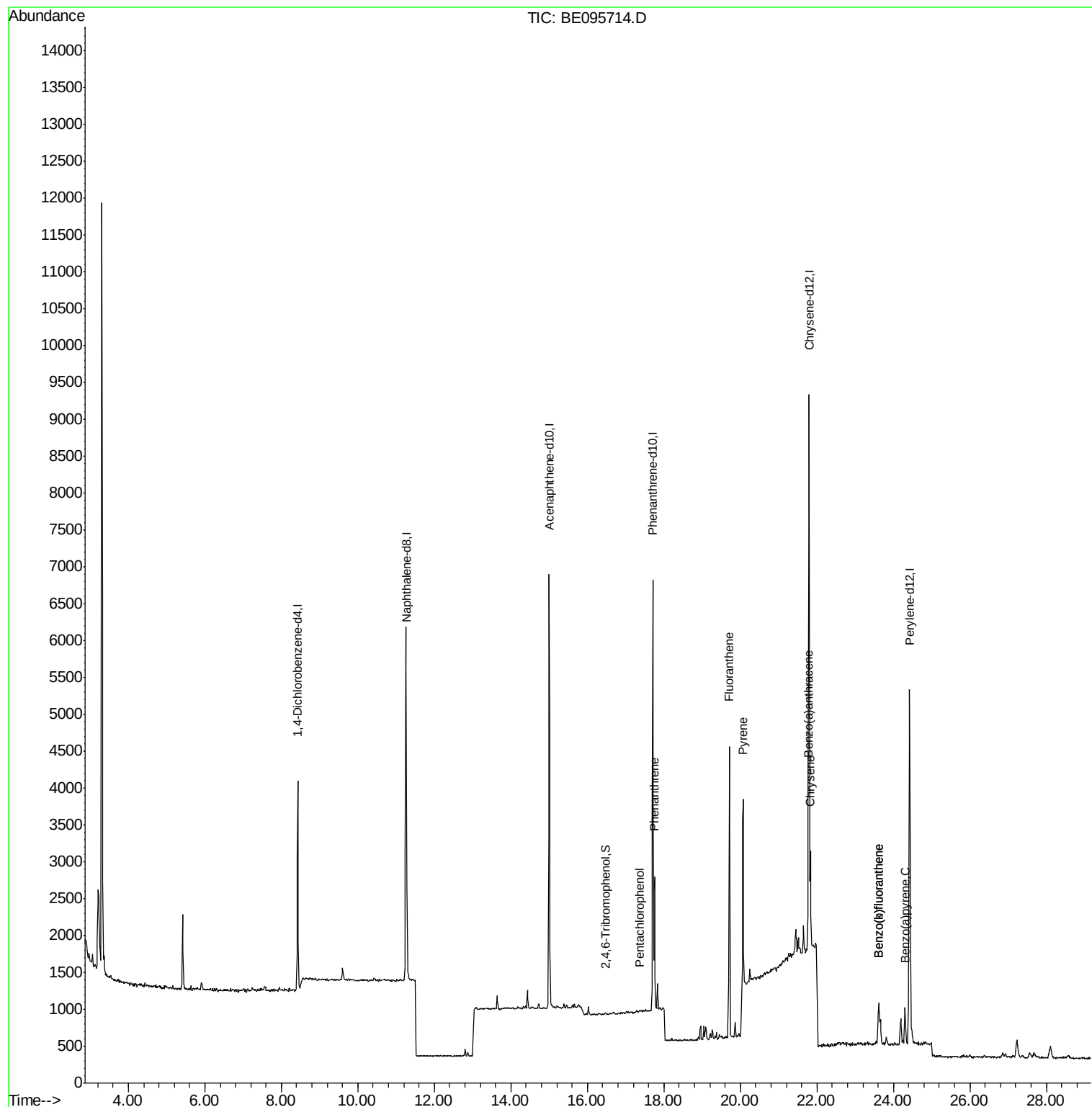
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	17.37	266	6	0.182	ng	96
23) Phenanthrene	17.75	178	2026	0.086	ng	99
26) Fluoranthene	19.72	202	3491	0.121	ng	# 97
28) Pyrene	20.07	202	3374	0.107	ng	96
30) Benzo(a)anthracene	21.78	228	1329	0.053	ng	# 87
31) Chrysene	21.84	228	1248	0.050	ng	# 90
35) Benzo(b)fluoranthene	23.61	252	1192	0.046	ng	# 79
36) Benzo(k)fluoranthene	23.61	252	1192	0.046	ng	# 58
37) Benzo(a)pyrene	24.30	252	821	0.035	ng	# 56

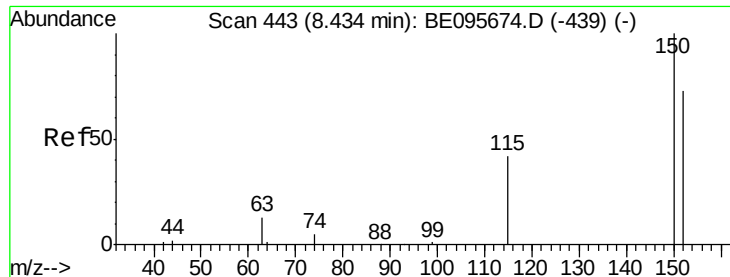
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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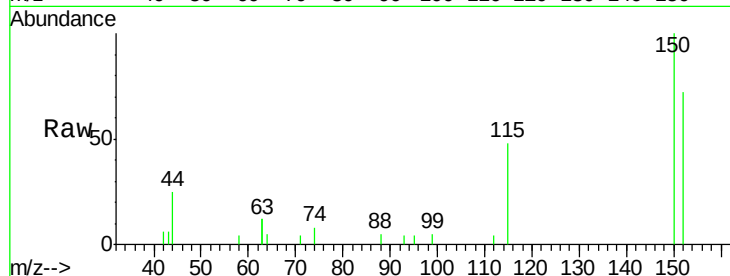


#1

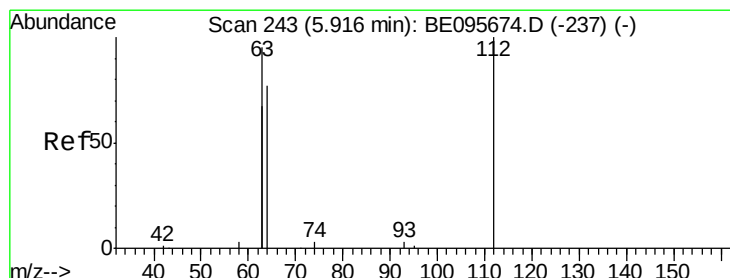
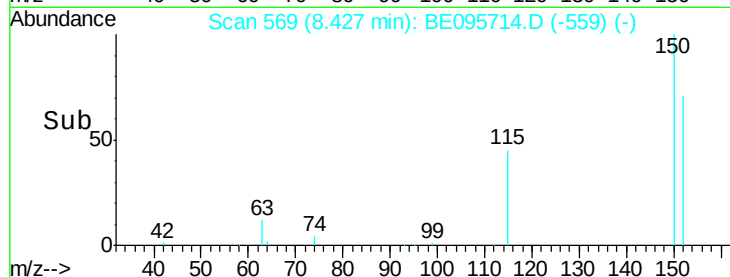
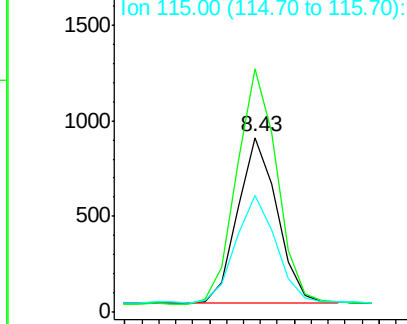
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095714.D
Acq: 7 Mar 2018 1:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1404
Ion Ratio Lower Upper
152 100
150 139.1 117.2 175.8
115 66.5 57.0 85.6



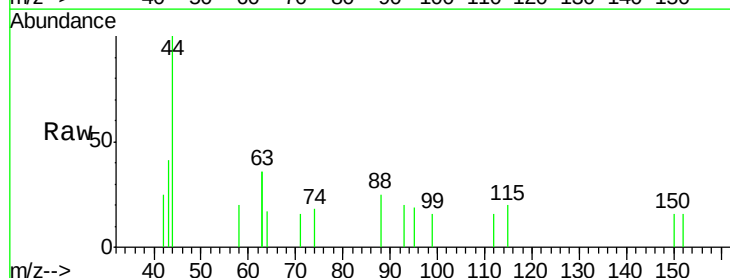
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



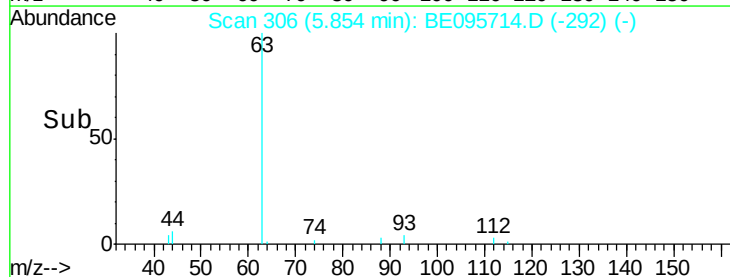
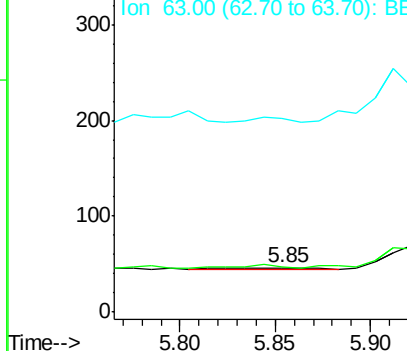
#4

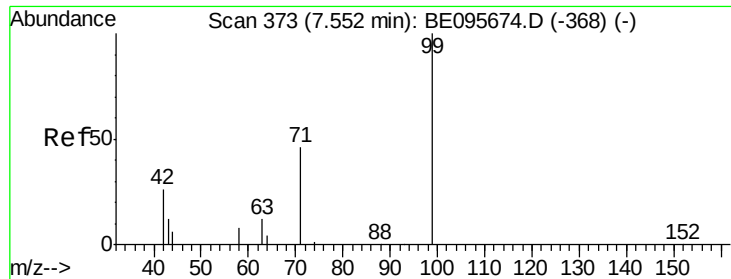
2-Fluorophenol
Concen: 0.001 ng
RT: 5.85 min Scan# 306
Delta R.T. -0.06 min
Lab File: BE095714.D
Acq: 7 Mar 2018 1:09

Tgt Ion:112 Resp: 5
Ion Ratio Lower Upper
112 100
64 80.0 60.1 90.1
63 140.0 116.8 175.2



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





#5

Phenol-d6

Concen: 0.012 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.01 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampled :

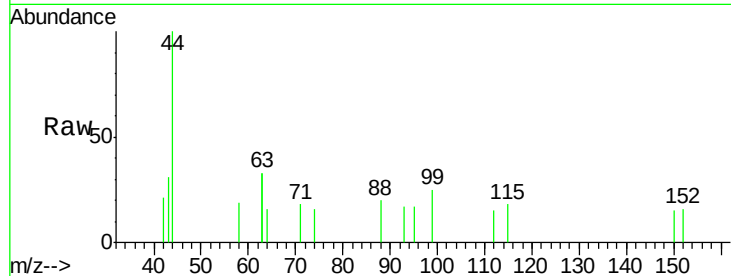
Tot Ion: 99 Resp: 61

Ion Ratio Lower Upper

99 100

42 42.6 20.2 30.2#

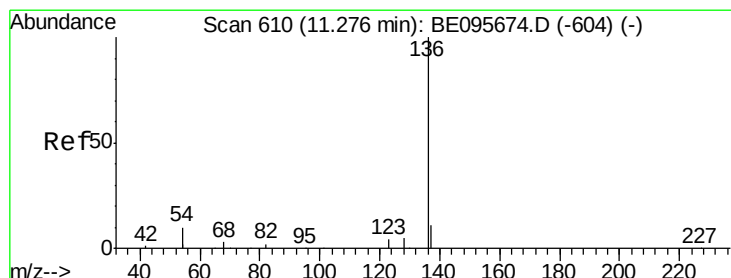
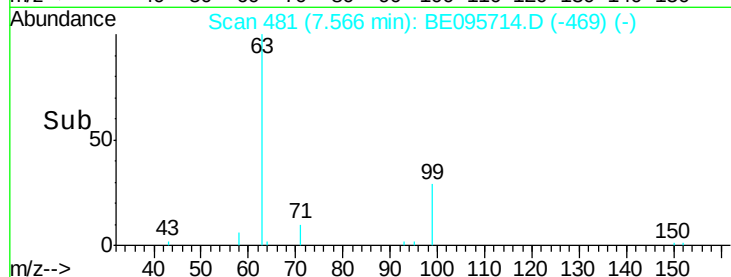
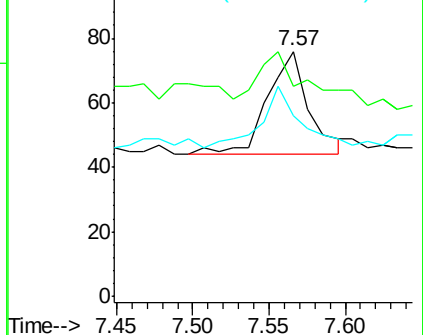
71 57.4 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Tgt Ion: 136 Resp: 5667

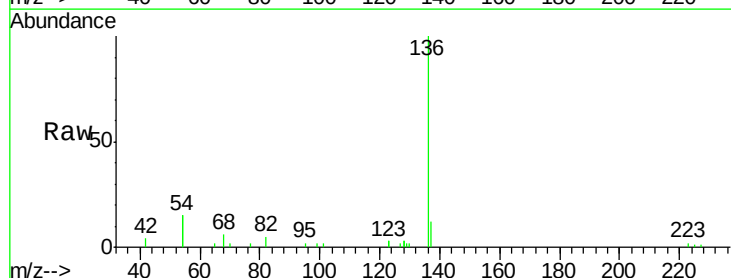
Ion Ratio Lower Upper

136 100

137 12.0 9.5 14.3

54 29.3 29.1 43.7

68 5.9 6.2 9.2#

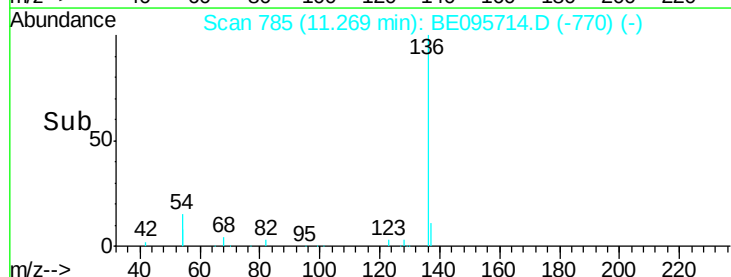
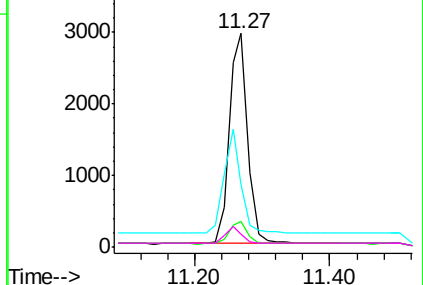


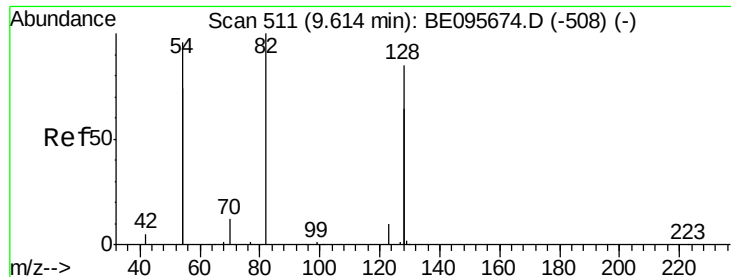
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.015 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

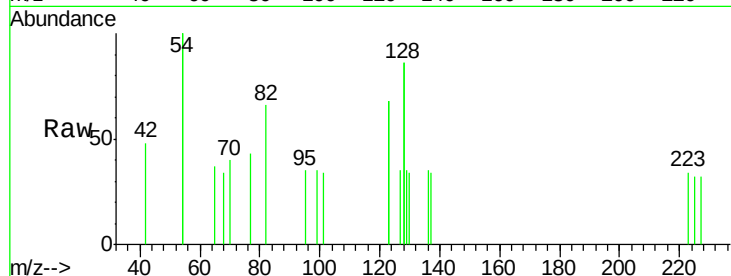
Tot Ion: 82 Resp: 87

Ion Ratio Lower Upper

82 100

128 260.0 150.0 225.0#

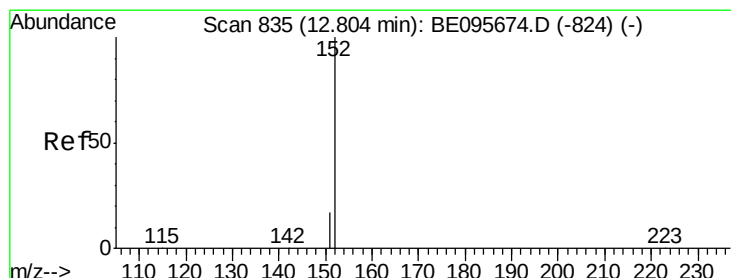
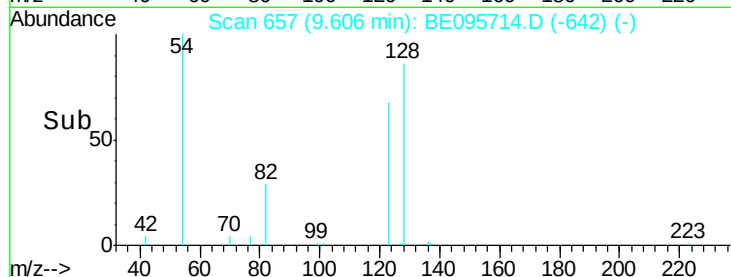
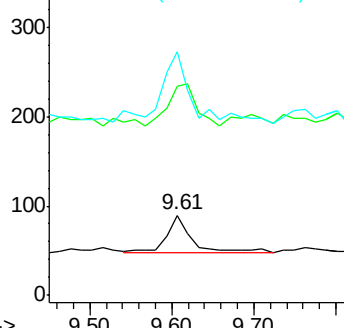
54 302.2 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095674.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BE095674.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BE095674.D (-508) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.013 ng

RT: 12.81 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE095714.D

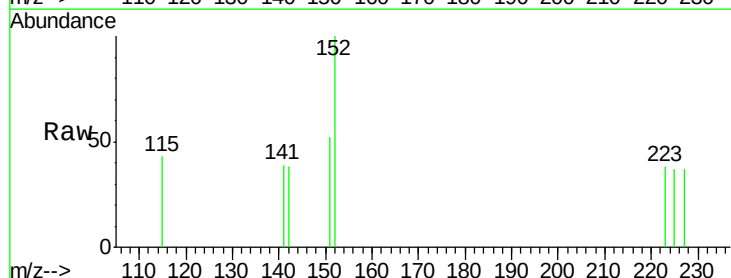
Acq: 7 Mar 2018 1:09

Tgt Ion: 152 Resp: 120

Ion Ratio Lower Upper

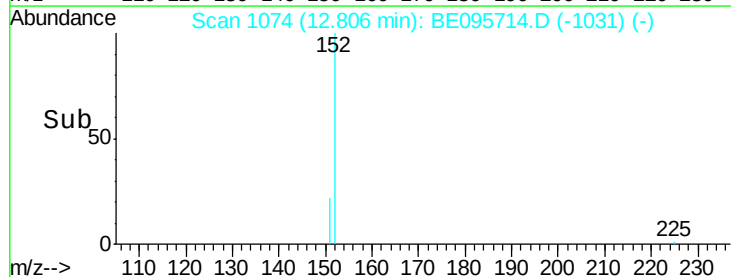
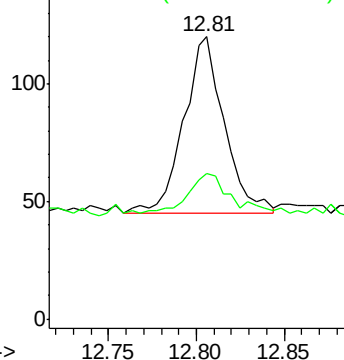
152 100

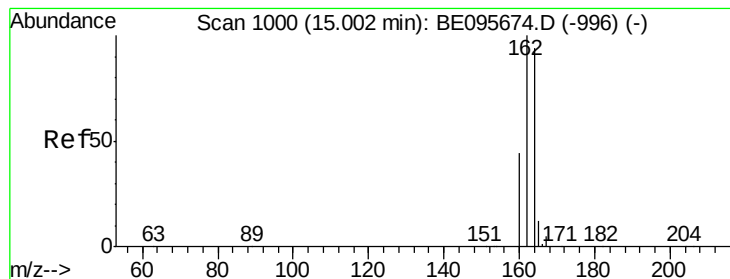
151 25.0 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): BE095674.D (-824) (-)

Ion 151.00 (150.70 to 151.70): BE095674.D (-824) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

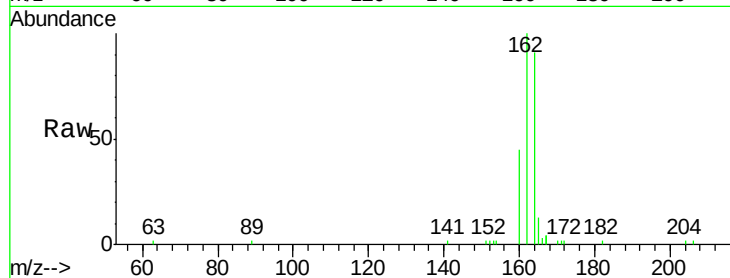
Tot Ion:164 Resp: 3387

Ion Ratio Lower Upper

164 100

162 109.8 83.1 124.7

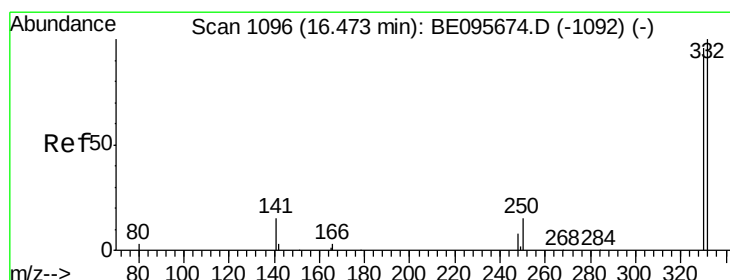
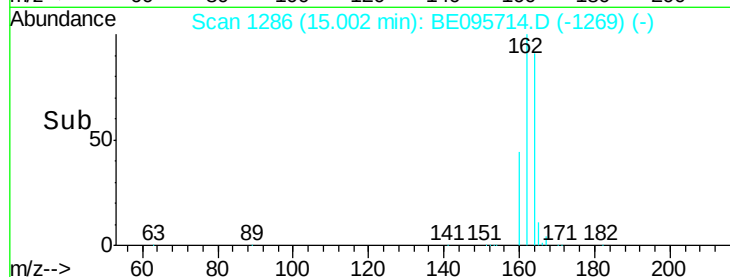
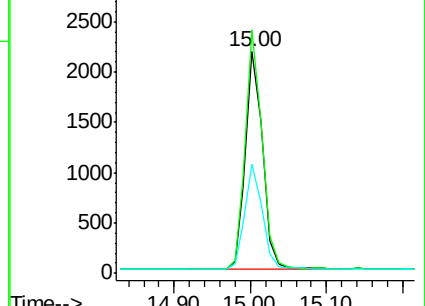
160 49.2 37.1 55.7



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: 0.125 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

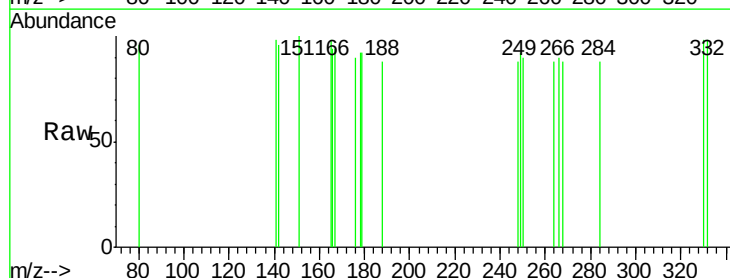
Tgt Ion:330 Resp: 16

Ion Ratio Lower Upper

330 100

332 125.0 152.7 229.1#

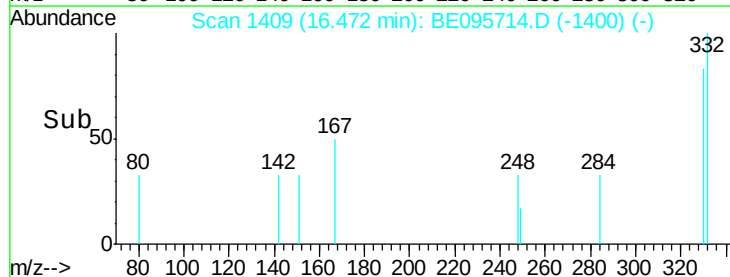
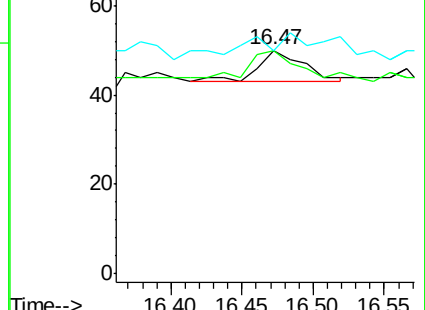
141 93.8 33.7 50.5#

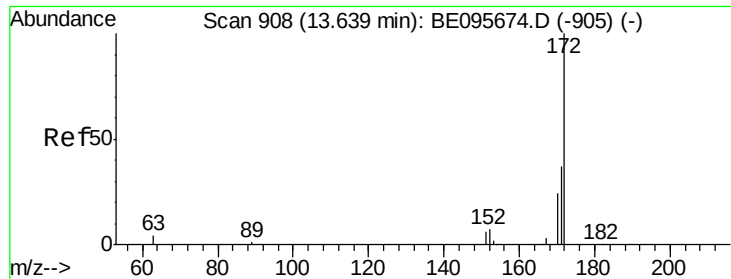


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

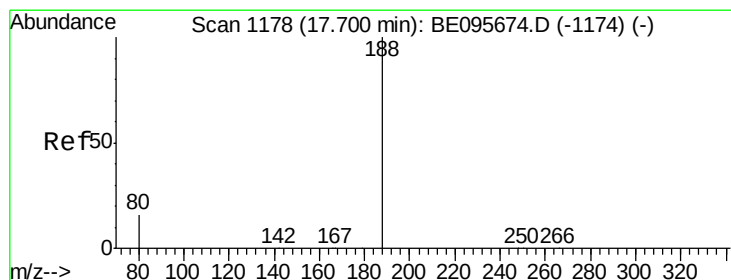
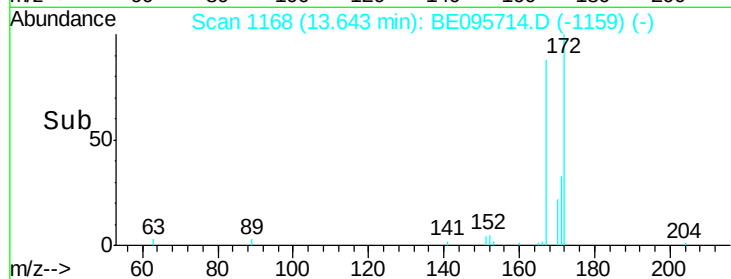
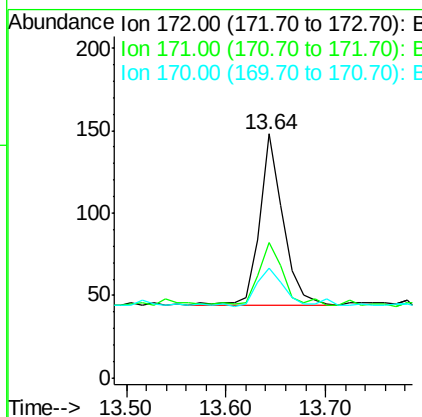
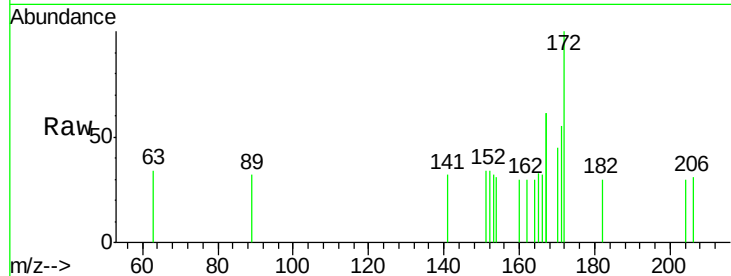




#15
2-Fluorobiphenyl
Concen: 0.011 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095714.D
Acq: 7 Mar 2018 1:09

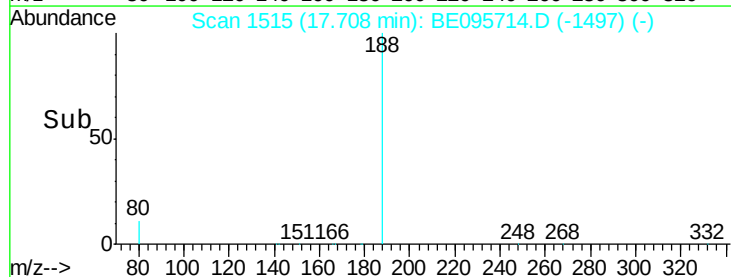
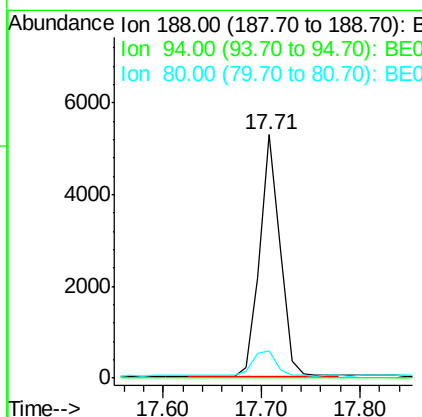
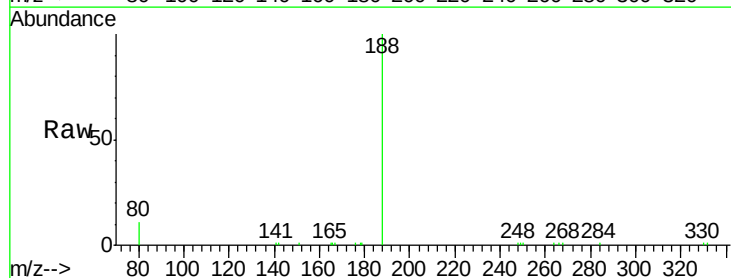
Instrument :
BNA_E
ClientSampleId :

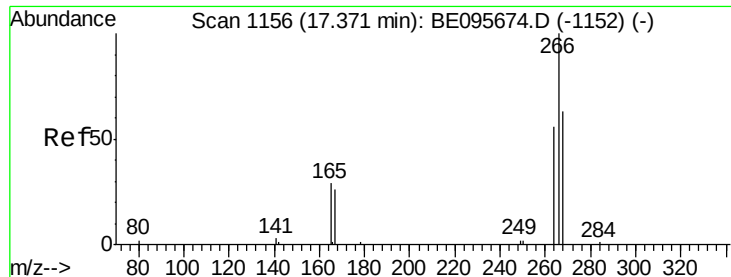
Tot Ion:172 Resp: 171
Ion Ratio Lower Upper
172 100
171 55.4 29.9 44.9#
170 45.3 21.8 32.8#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BE095714.D
Acq: 7 Mar 2018 1:09

Tgt Ion:188 Resp: 7532
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 11.4 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.182 ng

RT: 17.37 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

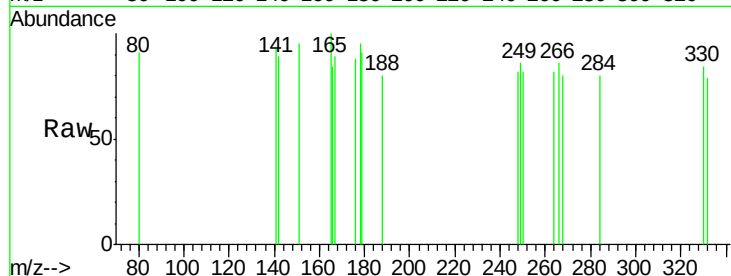
Tot Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 95.8 72.5 108.7

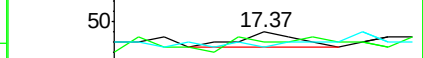
268 93.8 73.8 110.6



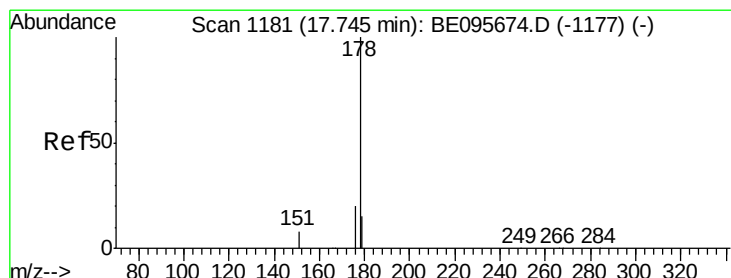
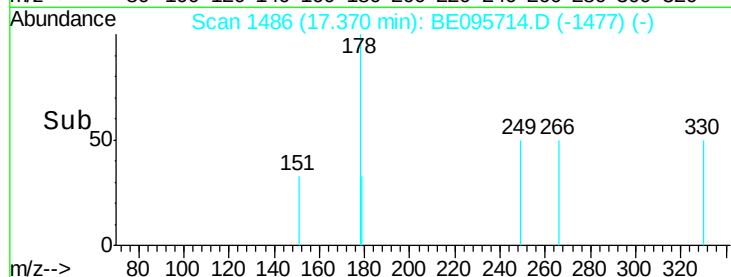
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time--> 17.30 17.35 17.40



#23

Phenanthrene

Concen: 0.086 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

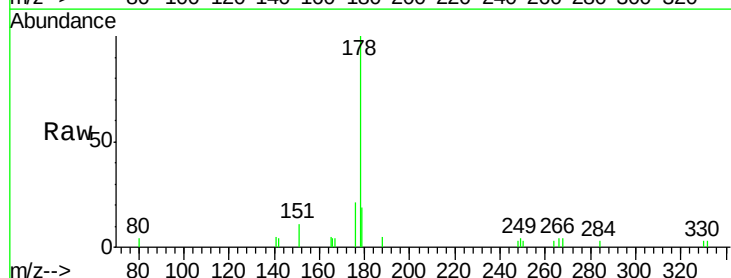
Tgt Ion:178 Resp: 2026

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.5 11.8 17.6



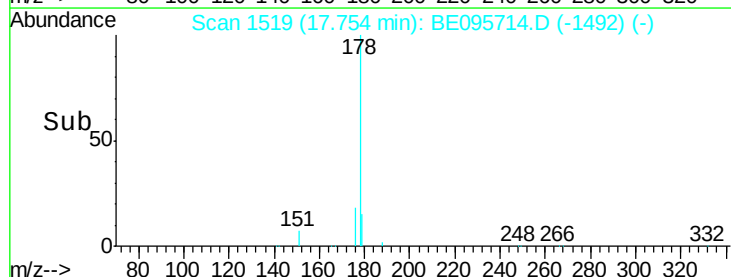
Abundance Ion 178.00 (177.70 to 178.70): E

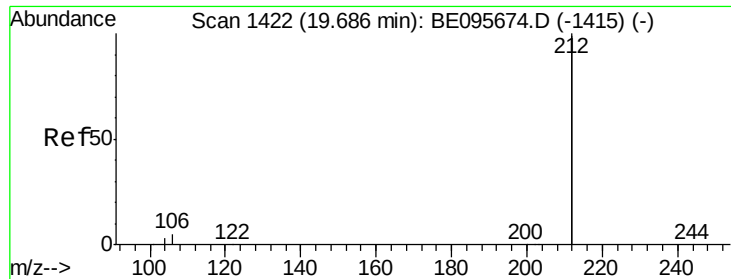
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.70 17.75 17.80

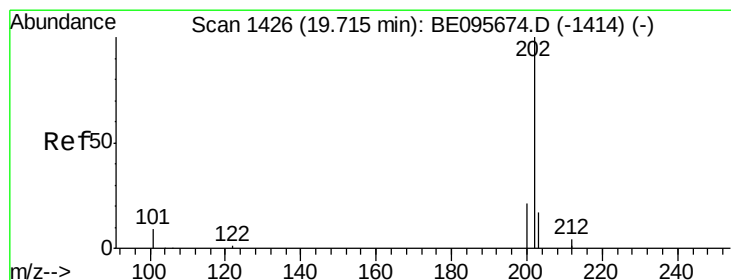
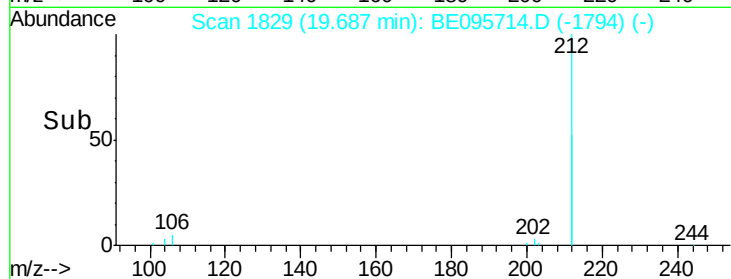
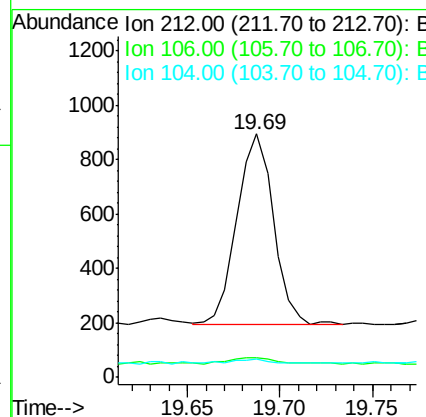
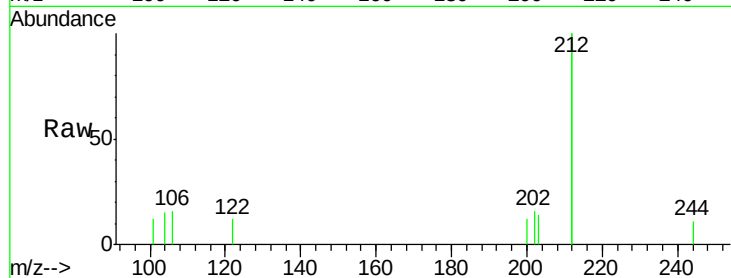




#25
 Fluoranthene-d10
 Concen: 0.010 ng
 RT: 19.69 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE095714.D
 Acq: 7 Mar 2018 1:09

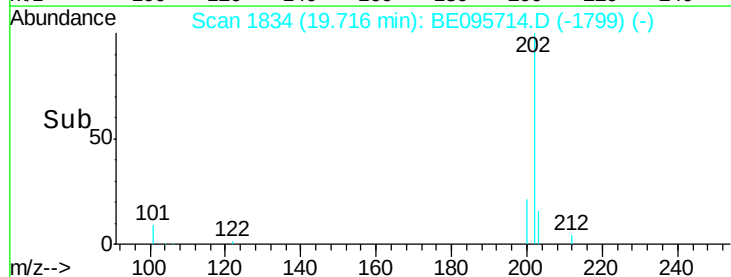
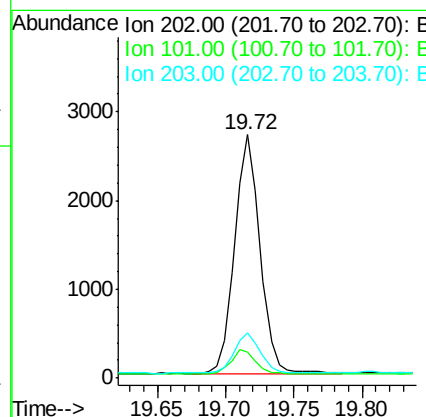
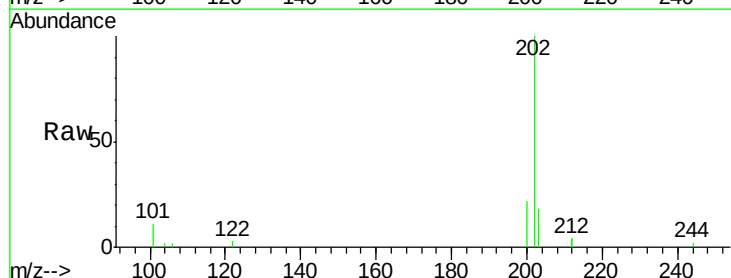
Instrument :
 BNA_E
 ClientSampleId :

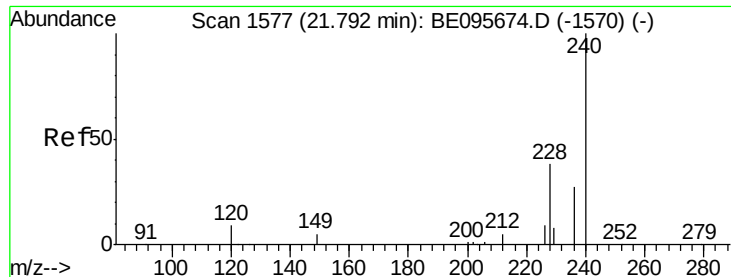
Tot Ion:212 Resp: 962
 Ion Ratio Lower Upper
 212 100
 106 4.3 2.8 4.2#
 104 1.8 1.6 2.4



#26
 Fluoranthene
 Concen: 0.121 ng
 RT: 19.72 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BE095714.D
 Acq: 7 Mar 2018 1:09

Tgt Ion:202 Resp: 3491
 Ion Ratio Lower Upper
 202 100
 101 9.8 9.8 14.8#
 203 17.1 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.80 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

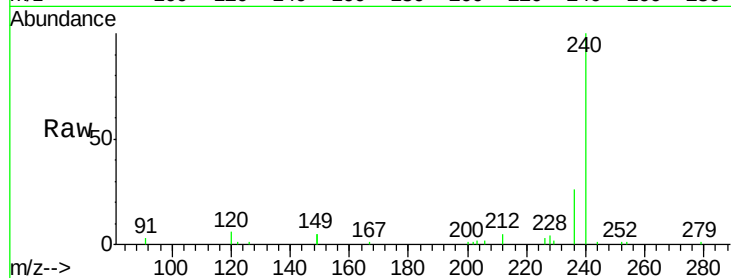
Tot Ion:240 Resp: 7714

Ion Ratio Lower Upper

240 100

120 6.4 5.5 8.3

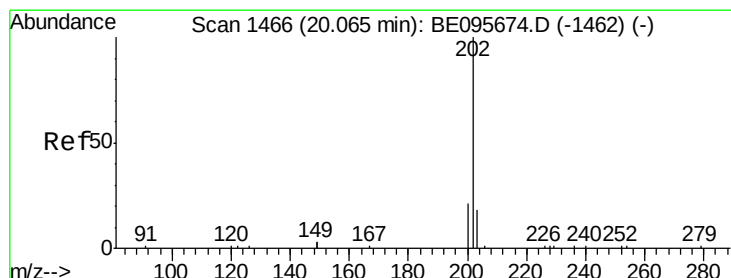
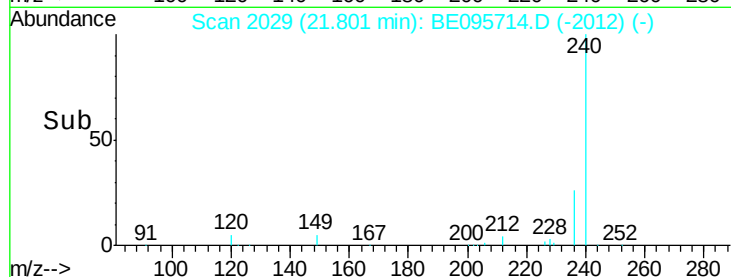
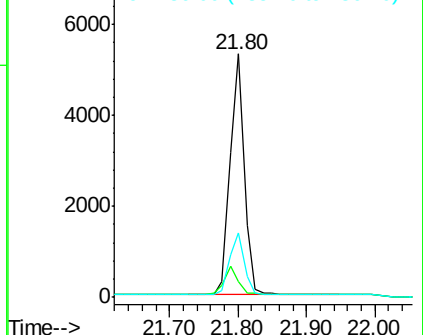
236 26.5 20.7 31.1



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: 0.107 ng

RT: 20.07 min Scan# 1886

Delta R.T. 0.01 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

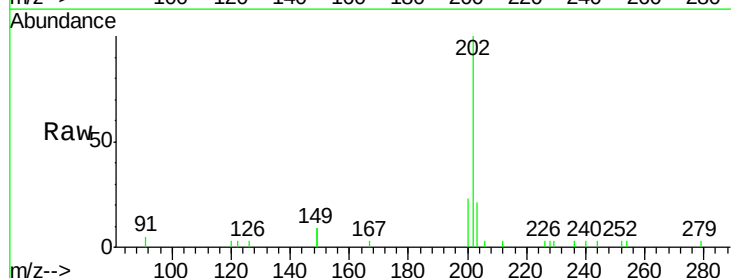
Tgt Ion:202 Resp: 3374

Ion Ratio Lower Upper

202 100

200 22.6 16.6 25.0

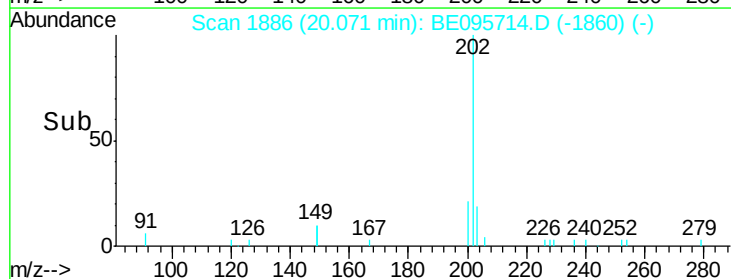
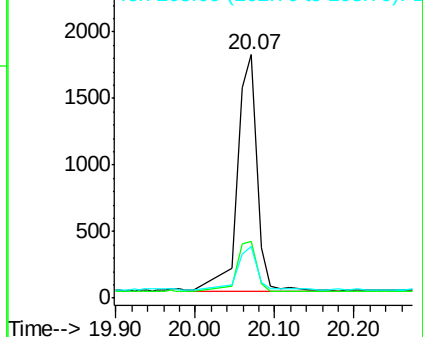
203 19.1 13.8 20.8

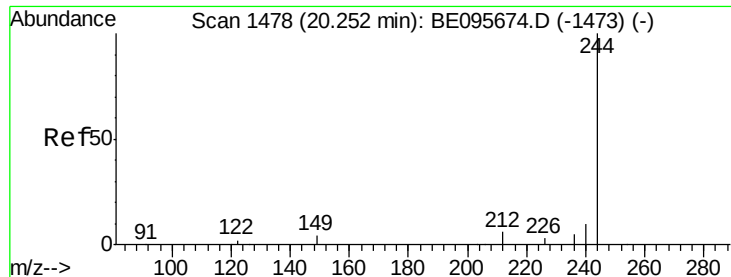


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.011 ng

RT: 20.25 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

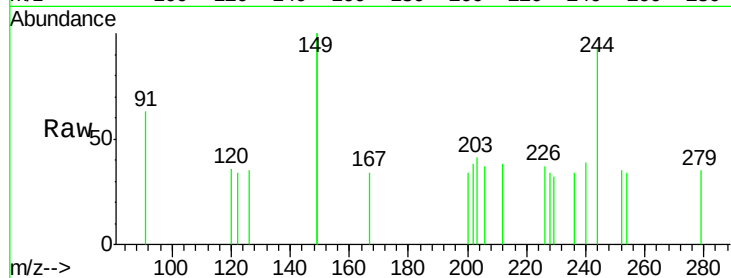
Tot Ion:244 Resp: 166

Ion Ratio Lower Upper

244 100

212 40.4 25.4 38.0#

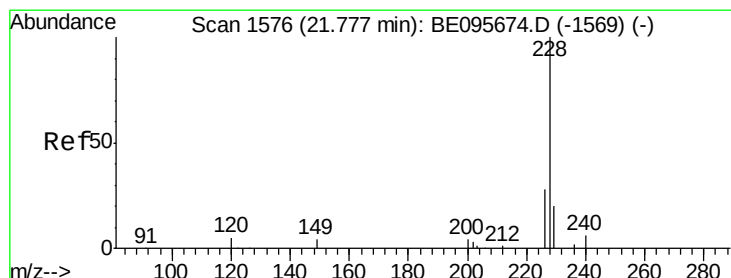
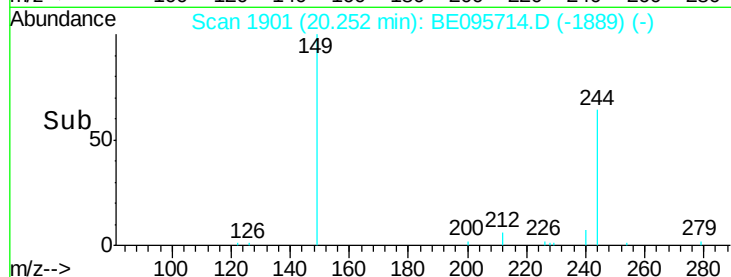
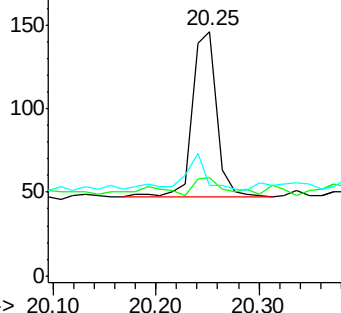
122 37.0 8.1 12.1#



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: 0.053 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

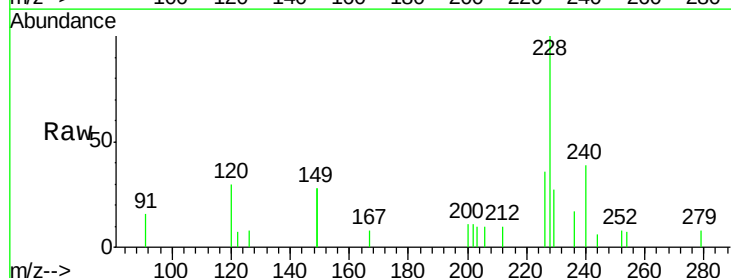
Tgt Ion:228 Resp: 1329

Ion Ratio Lower Upper

228 100

226 35.9 24.0 36.0

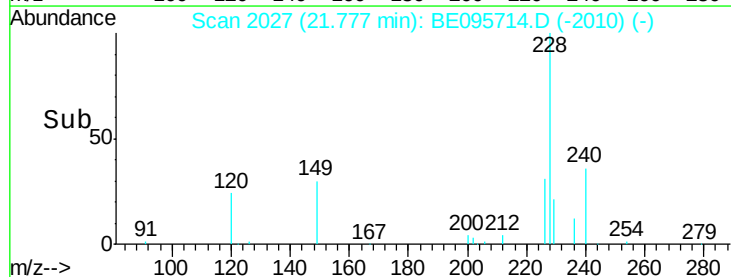
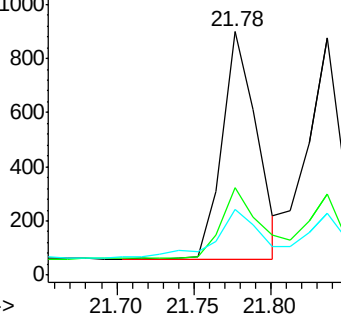
229 27.3 16.0 24.0#

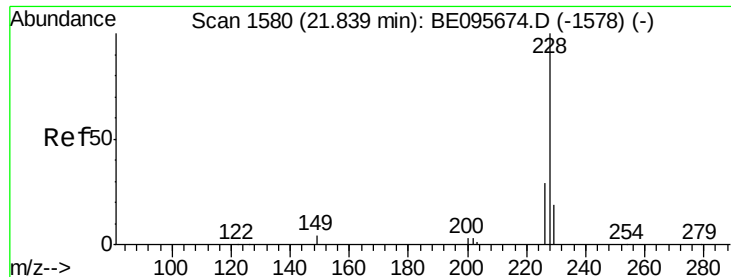


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.050 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

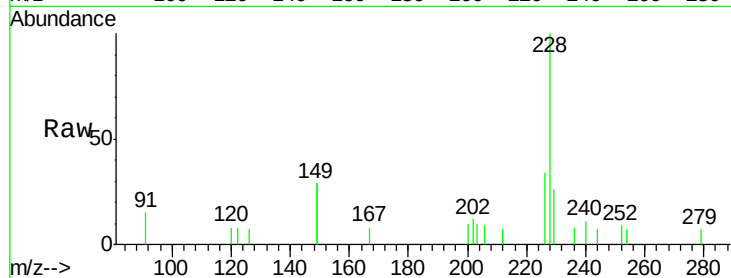
Tot Ion:228 Resp: 1248

Ion Ratio Lower Upper

228 100

226 34.4 24.0 36.0

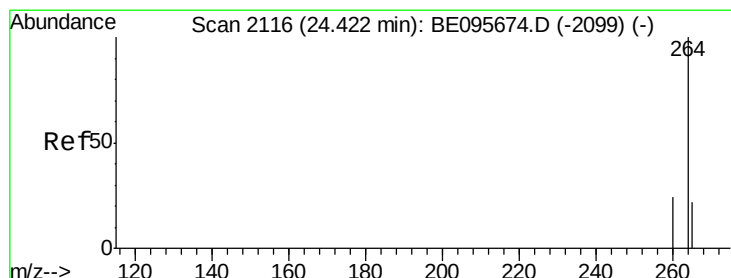
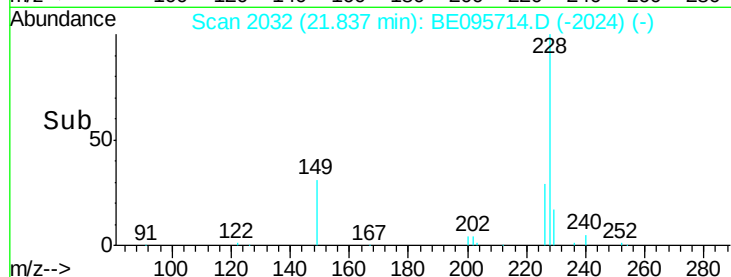
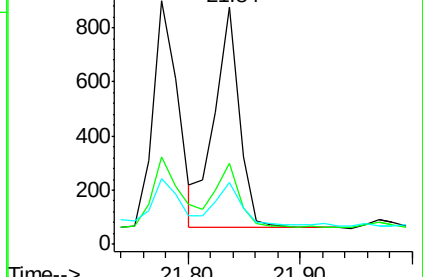
229 26.2 16.0 24.0#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.43 min Scan# 2719

Delta R.T. 0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

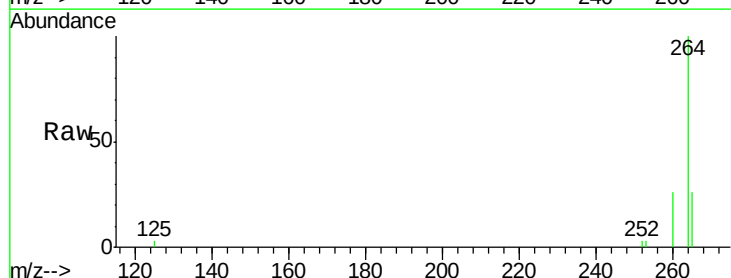
Tgt Ion:264 Resp: 7281

Ion Ratio Lower Upper

264 100

260 26.5 20.5 30.7

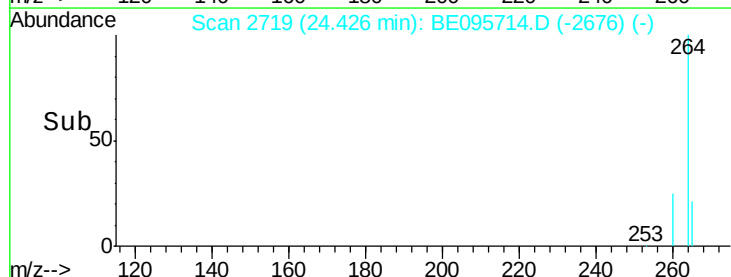
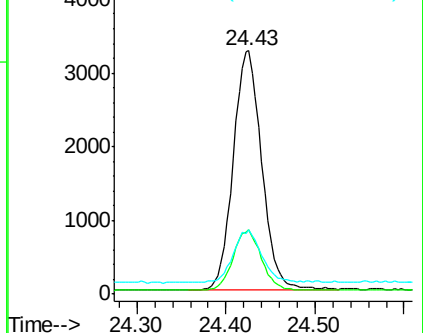
265 26.3 22.8 34.2

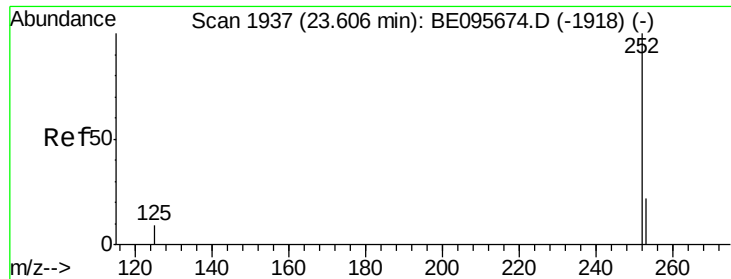


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

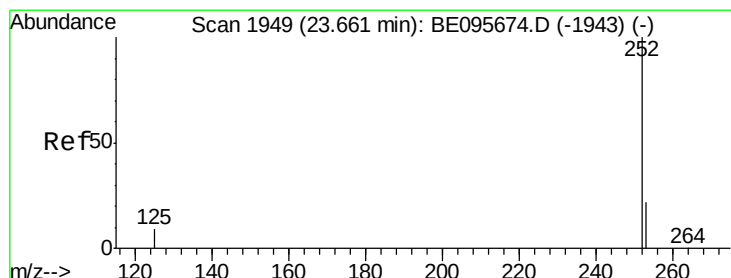
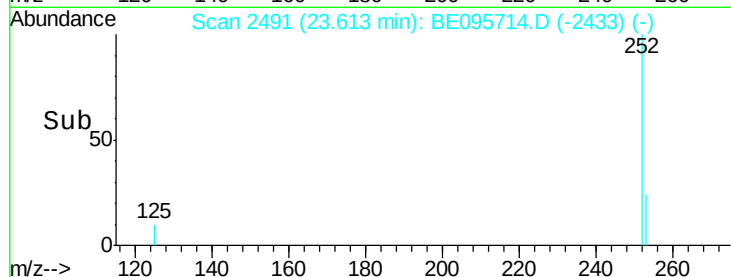
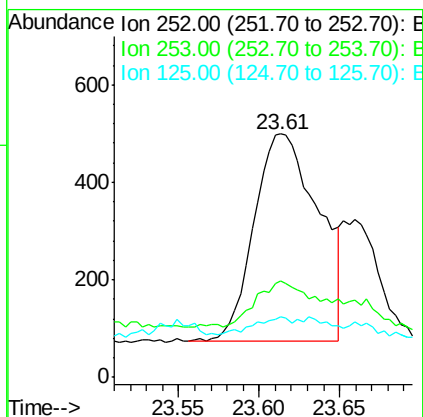
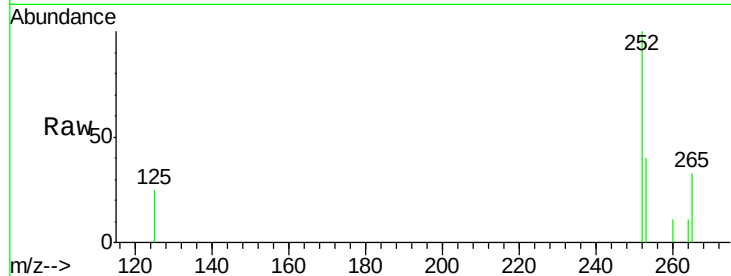




#35
Benzo(b)fluoranthene
Concen: 0.046 ng
RT: 23.61 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BE095714.D
Acq: 7 Mar 2018 1:09

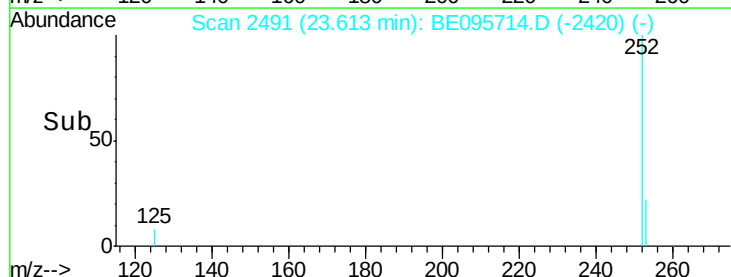
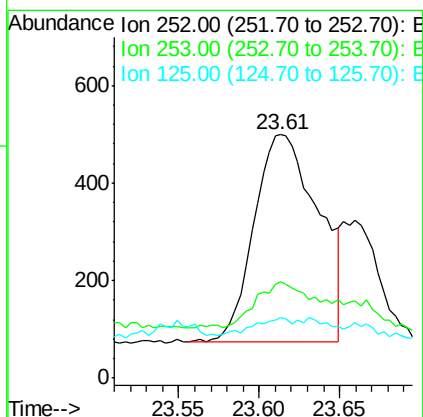
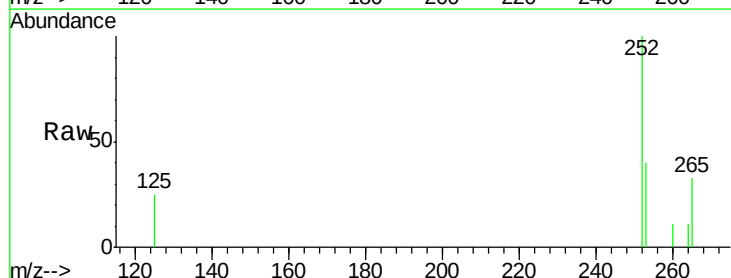
Instrument :
BNA_E
ClientSampleId :

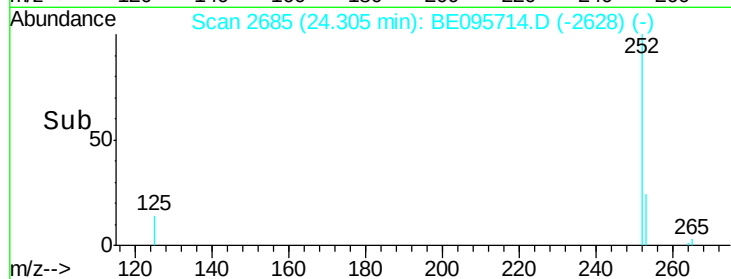
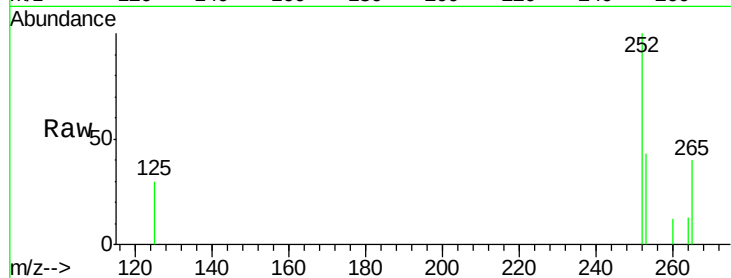
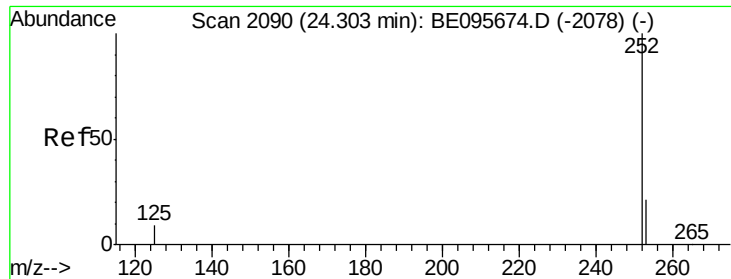
Tot Ion:252 Resp: 1192
Ion Ratio Lower Upper
252 100
253 39.9 20.0 30.0#
125 24.6 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.046 ng
RT: 23.61 min Scan# 2491
Delta R.T. -0.05 min
Lab File: BE095714.D
Acq: 7 Mar 2018 1:09

Tgt Ion:252 Resp: 1192
Ion Ratio Lower Upper
252 100
253 39.9 16.0 24.0#
125 24.6 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.035 ng

RT: 24.30 min Scan# 2685

Delta R.T. 0.00 min

Lab File: BE095714.D

Acq: 7 Mar 2018 1:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	252	Resp:	821
Ion Ratio	Lower	Upper	
252	100		
253	43.3	16.0	24.0#
125	29.8	12.0	18.0#

