

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099097.D
 Acq On : 23 Mar 2019 1:49
 Operator : JU/SJ
 Sample : K1947-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

Quant Time: Mar 23 02:35:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 00:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3510	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	13631	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8915	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23866	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35939	0.40	ng	0.00
34) Perylene-d12	23.90	264	40748	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4806	0.46	ng	0.00
5) Phenol-d6	6.99	99	6927	0.46	ng	0.00
8) Nitrobenzene-d5	9.15	82	254	0.04	ng	0.15
11) 2-Methylnaphthalene-d10	12.22	152	9168	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1901	0.73	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	14826	0.42	ng	0.00
25) Fluoranthene-d10	19.24	212	116735	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	28005	0.37	ng	0.00

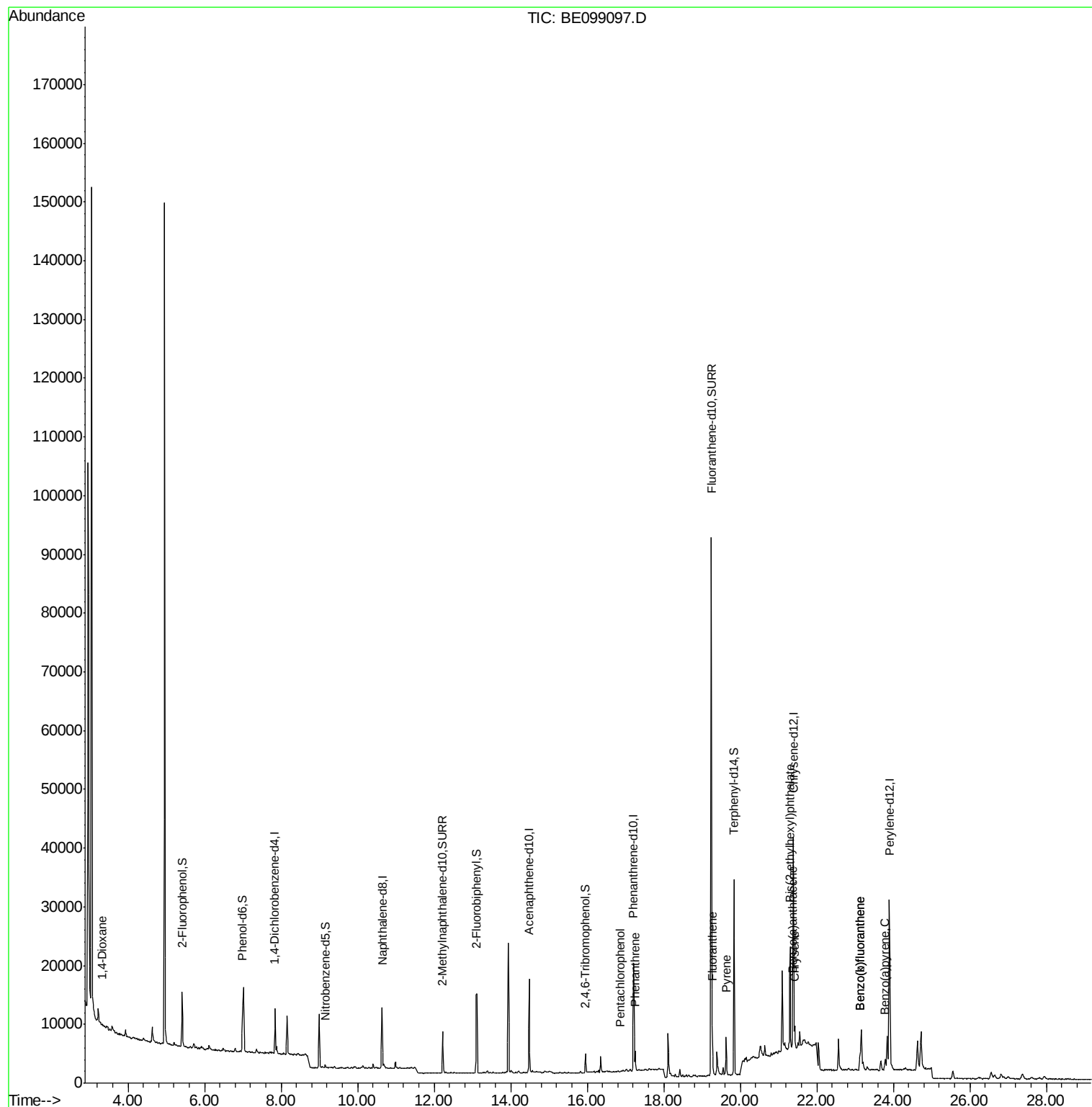
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	229	0.042	ng	# 26
22) Pentachlorophenol	16.87	266	36	0.258	ng	# 95
23) Phenanthrene	17.25	178	3341	0.047	ng	# 93
26) Fluoranthene	19.27	202	5922	0.059	ng	# 88
28) Pyrene	19.63	202	5696	0.047	ng	# 95
30) Benzo(a)anthracene	21.37	228	2940	0.023	ng	# 87
31) Chrysene	21.43	228	3746	0.030	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.31	149	23339	0.142	ng	# 98
35) Benzo(b)fluoranthene	23.13	252	7446	0.053	ng	# 59
36) Benzo(k)fluoranthene	23.13	252	7446	0.054	ng	# 62
37) Benzo(a)pyrene	23.78	252	3079	0.024	ng	# 67

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. 0.00 min

Lab File: BE099097.D

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Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

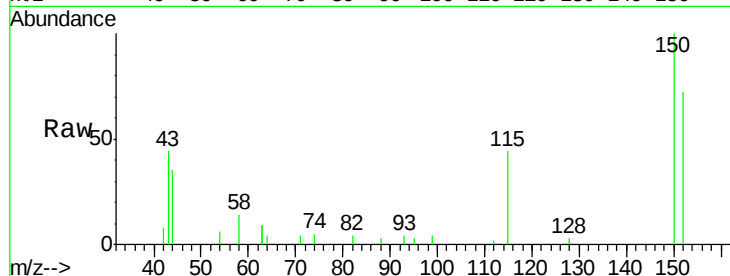
Tgt Ion:152 Resp: 3510

Ion Ratio Lower Upper

152 100

150 139.8 122.5 183.7

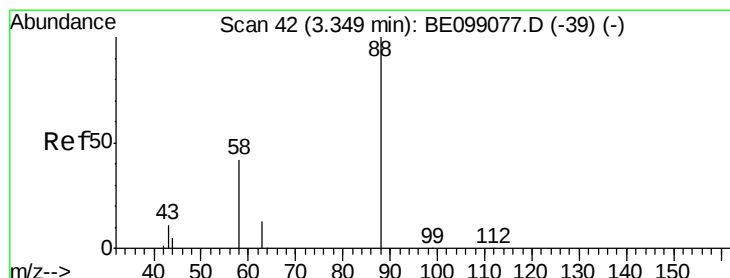
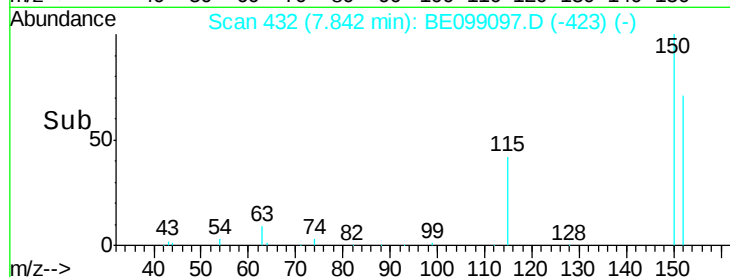
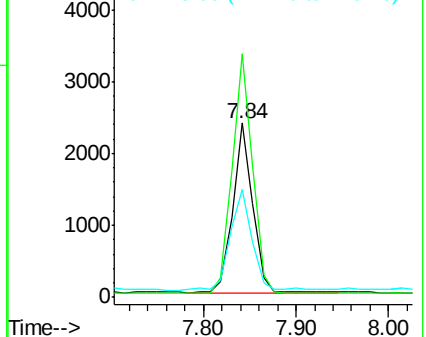
115 62.1 57.4 86.2



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: 0.042 ng

RT: 3.33 min Scan# 40

Delta R.T. -0.02 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

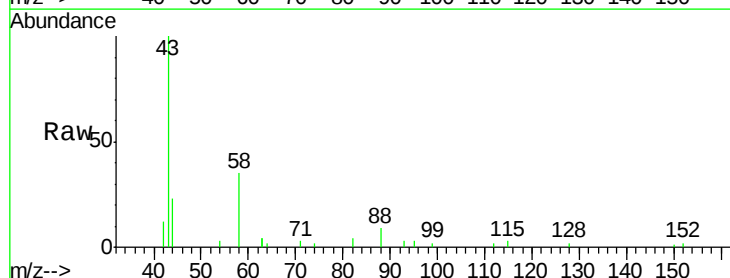
Tgt Ion: 88 Resp: 229

Ion Ratio Lower Upper

88 100

58 0.0 52.0 78.0#

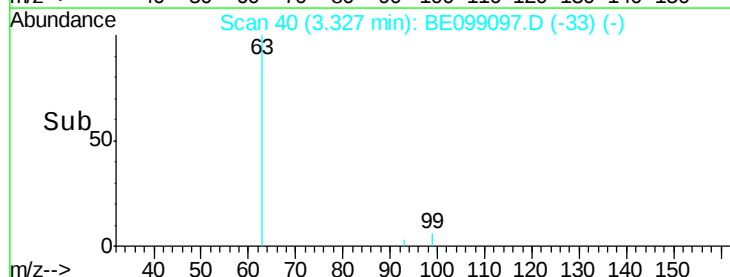
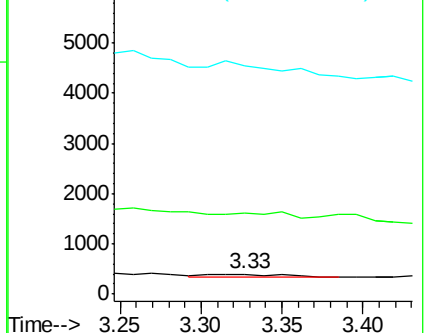
43 0.0 24.0 36.0#

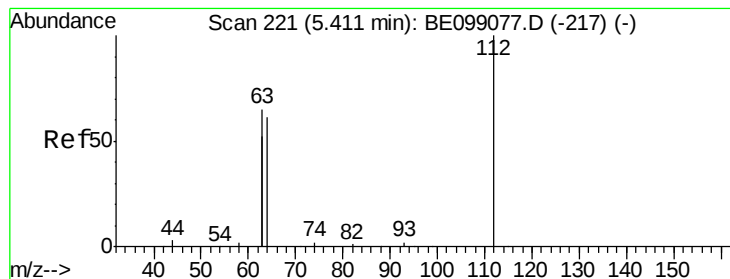


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.460 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

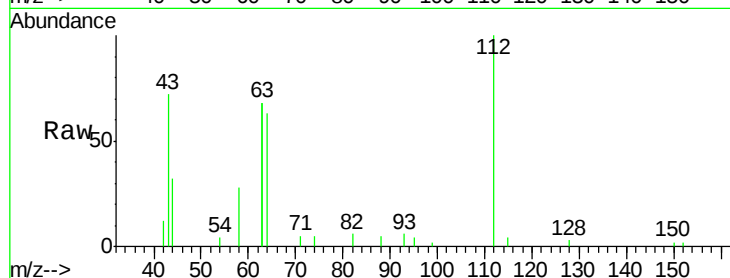
Tgt Ion: 112 Resp: 4806

Ion Ratio Lower Upper

112 100

64 58.7 57.9 86.9

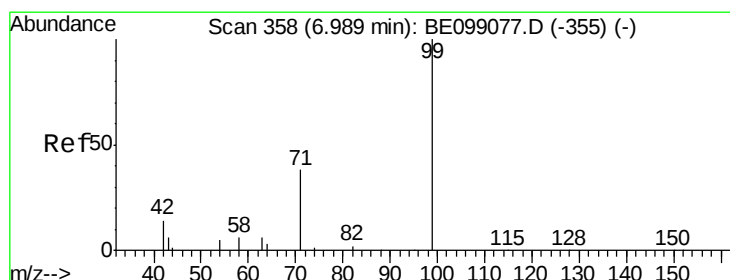
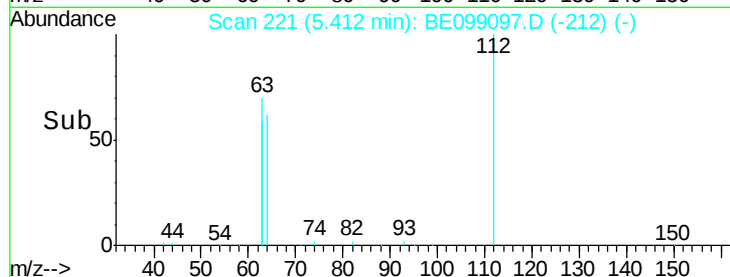
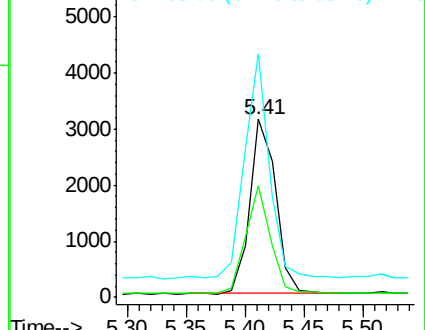
63 122.7 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE099097.D (-217) (-)

Ion 64.00 (63.70 to 64.70): BE099097.D (-217) (-)

Ion 63.00 (62.70 to 63.70): BE099097.D (-217) (-)



#5

Phenol-d6

Concen: 0.460 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

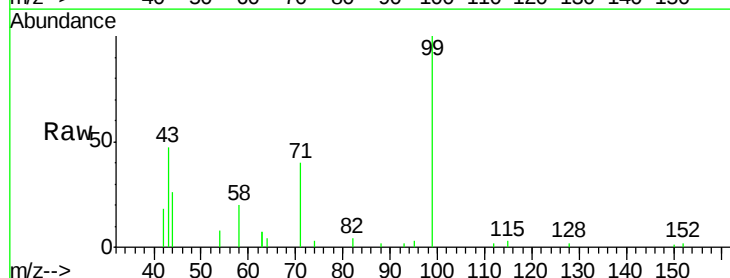
Tgt Ion: 99 Resp: 6927

Ion Ratio Lower Upper

99 100

42 18.2 24.2 36.2#

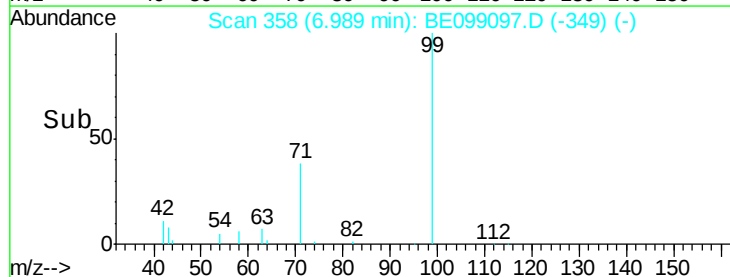
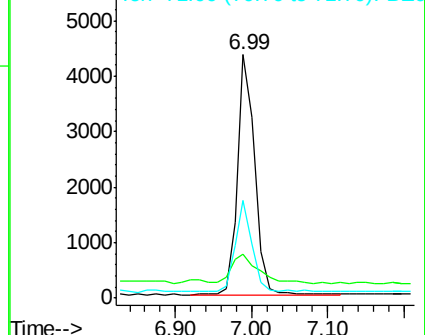
71 38.6 35.7 53.5

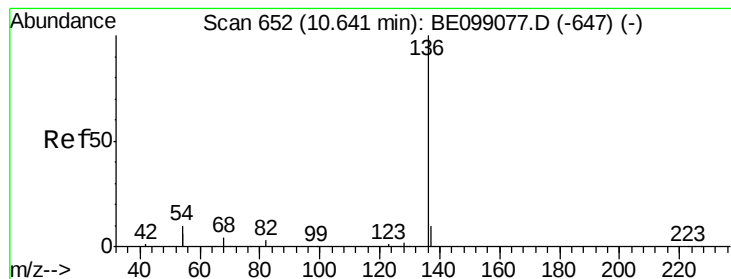


Abundance Ion 99.00 (98.70 to 99.70): BE099097.D (-355) (-)

Ion 42.00 (41.70 to 42.70): BE099097.D (-355) (-)

Ion 71.00 (70.70 to 71.70): BE099097.D (-355) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

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PST-025-B035-031319

Tgt Ion: 136 Resp: 13631

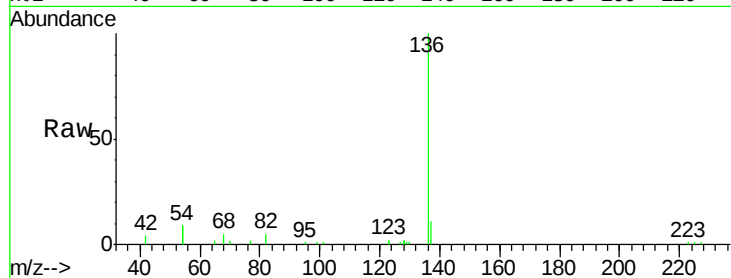
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 18.9 39.3 58.9#

68 5.2 6.7 10.1#

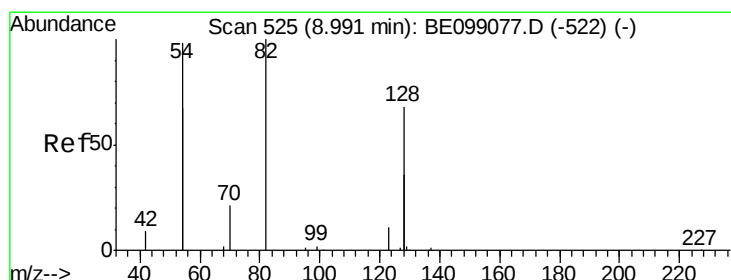
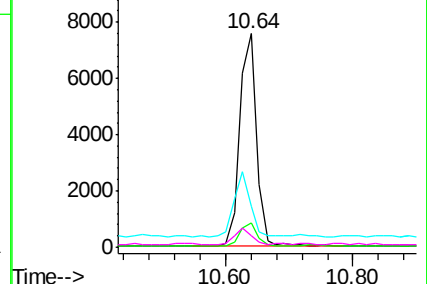
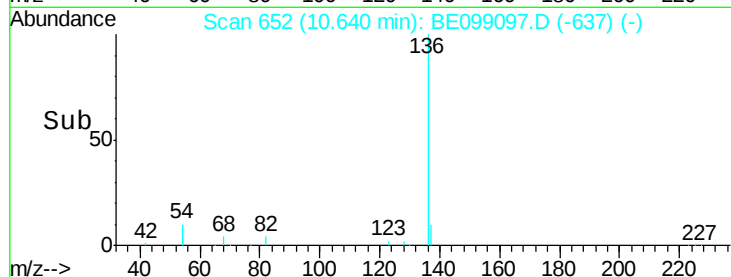


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.043 ng

RT: 9.15 min Scan# 537

Delta R.T. 0.15 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

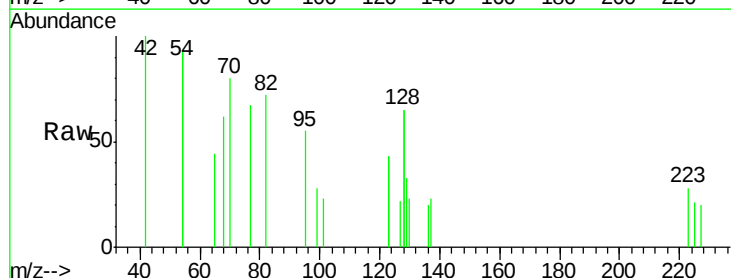
Tgt Ion: 82 Resp: 254

Ion Ratio Lower Upper

82 100

128 179.8 123.8 185.8

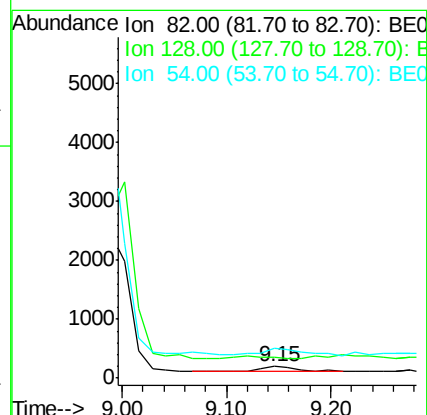
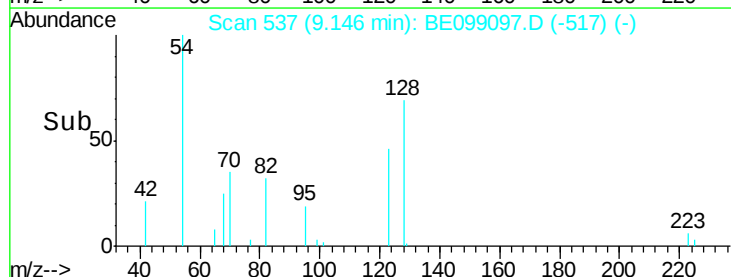
54 259.6 203.4 305.2

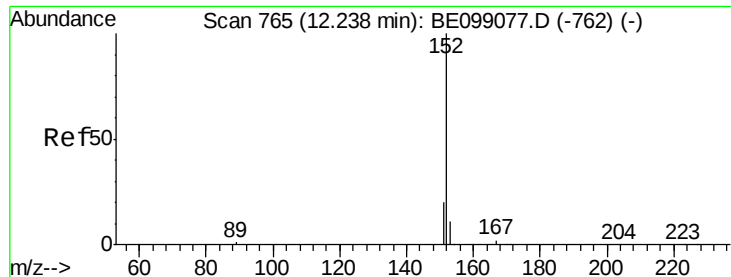


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

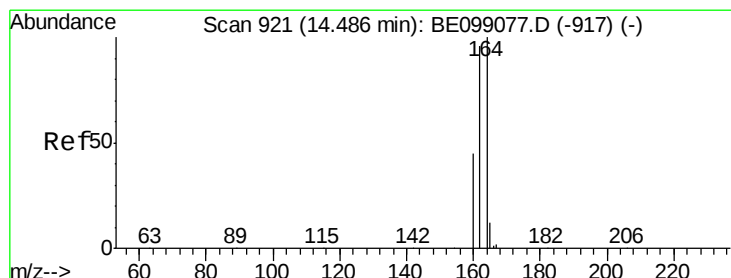
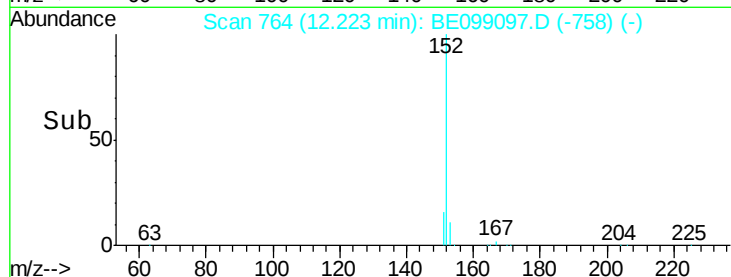
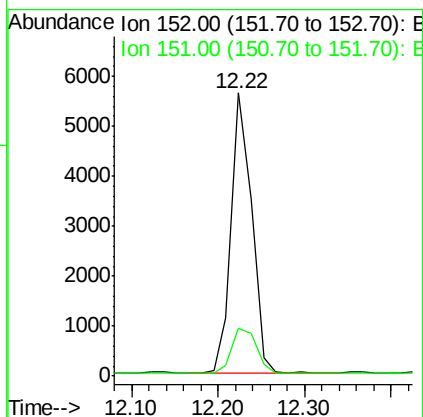
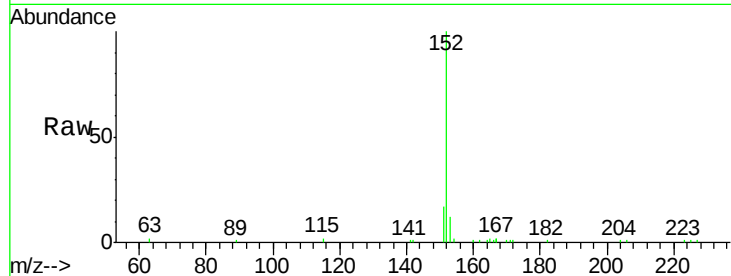




#11
 2-Methylnaphthalene-d10
 Concen: 0.373 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

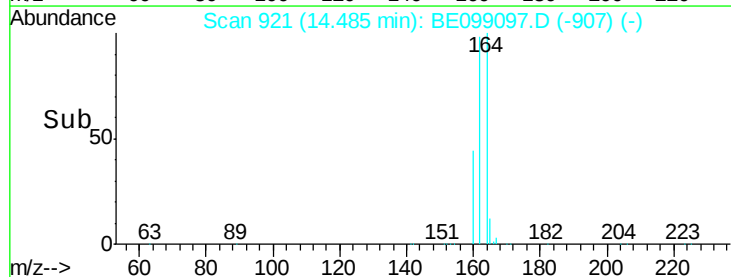
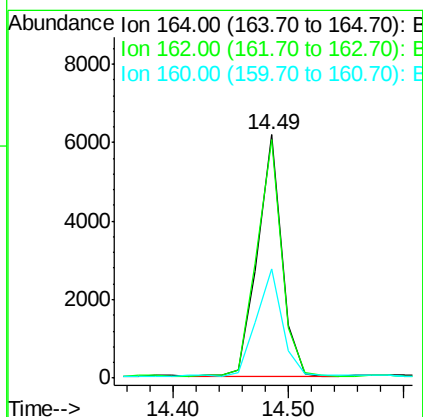
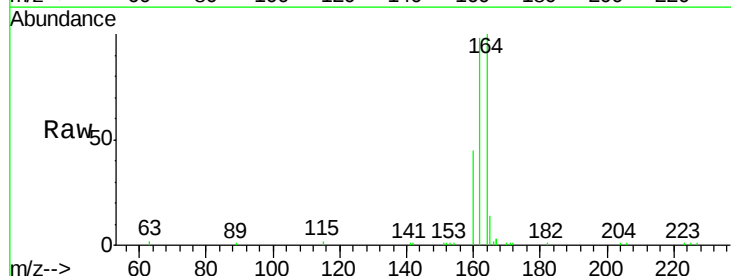
Instrument :
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 PST-025-B035-031319

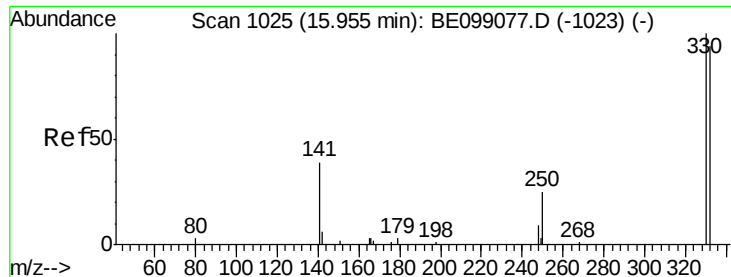
Tgt Ion:152 Resp: 9168
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion:164 Resp: 8915
 Ion Ratio Lower Upper
 164 100
 162 98.2 80.2 120.2
 160 44.7 37.8 56.8

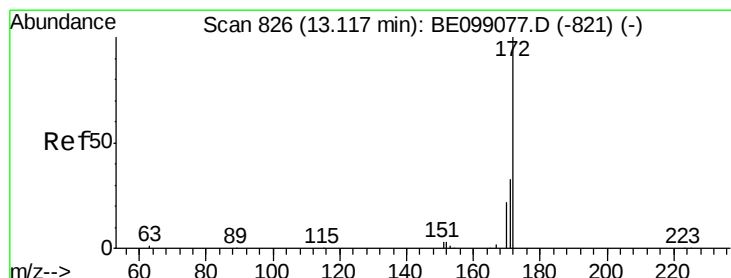
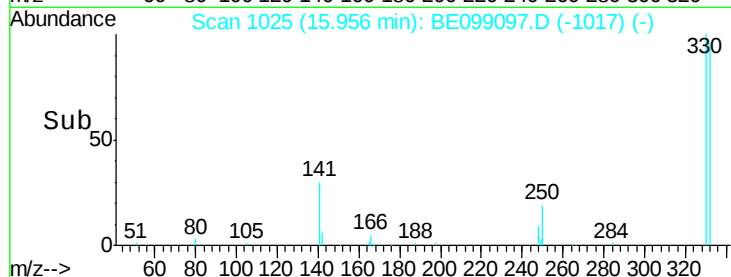
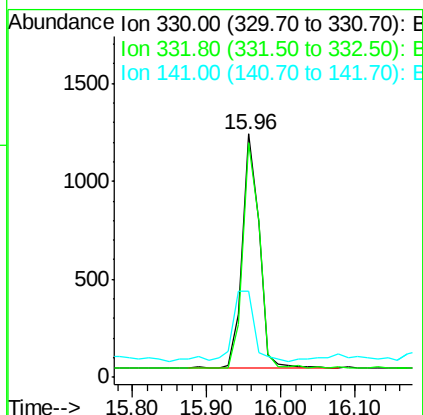
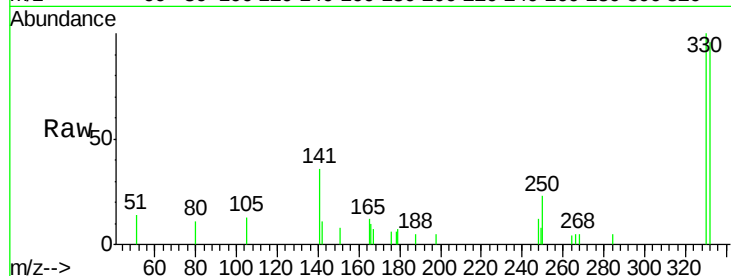




#14
 2,4,6-Tribromophenol
 Concen: 0.725 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

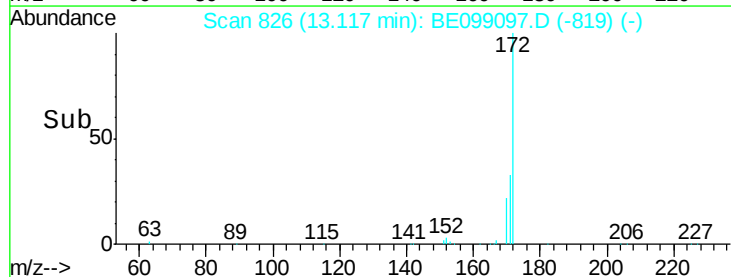
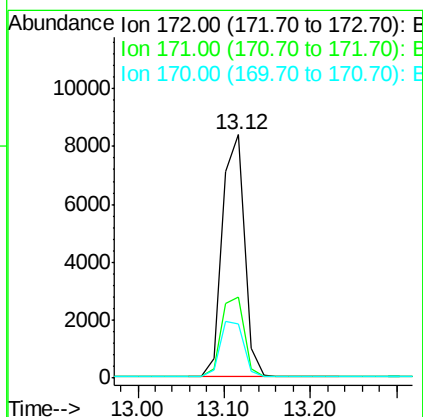
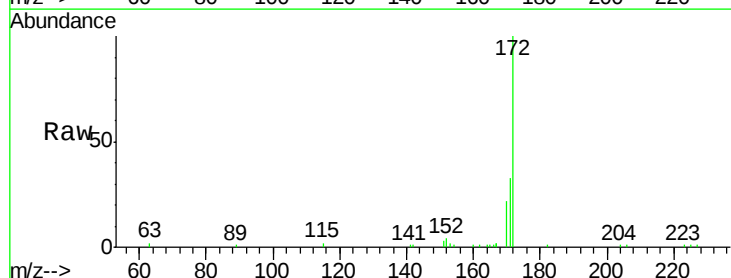
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

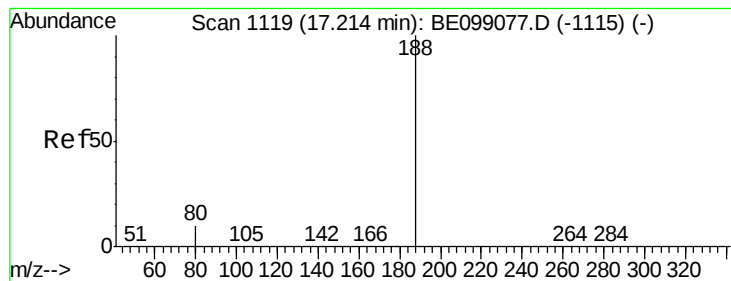
Tgt Ion:330 Resp: 1901
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.6 116.4
 141 37.7 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.418 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion:172 Resp: 14826
 Ion Ratio Lower Upper
 172 100
 171 33.4 28.0 42.0
 170 22.2 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

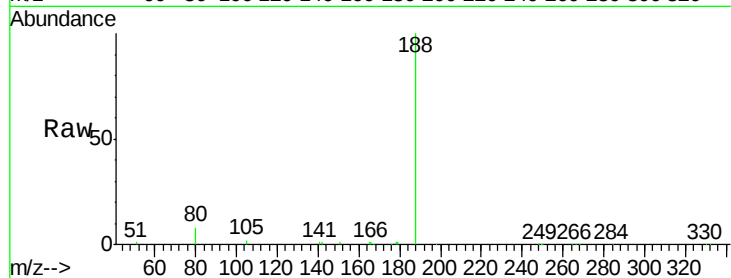
Tgt Ion:188 Resp: 23866

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

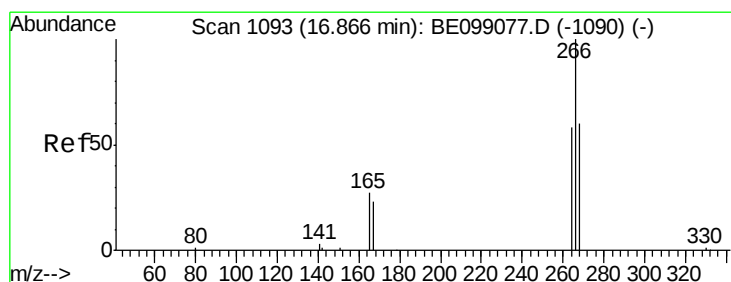
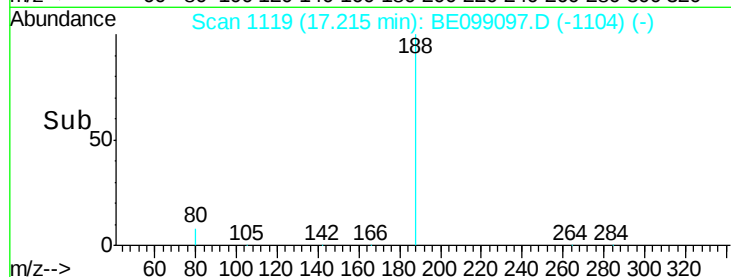
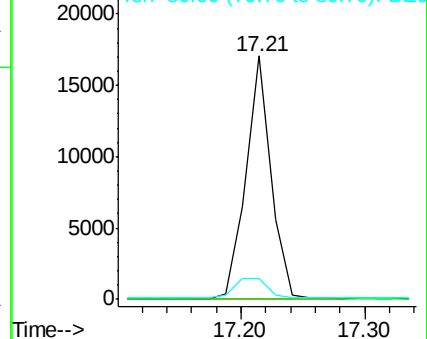
80 8.4 6.3 9.5



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: 0.258 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

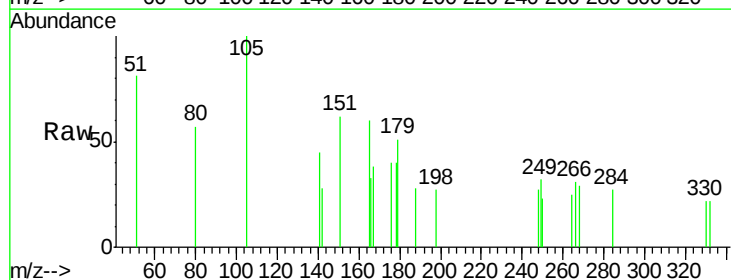
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 79.1 66.6 100.0

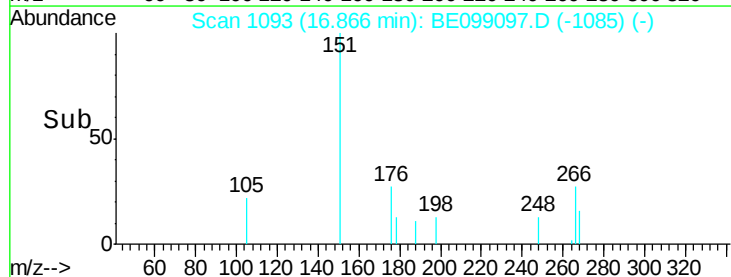
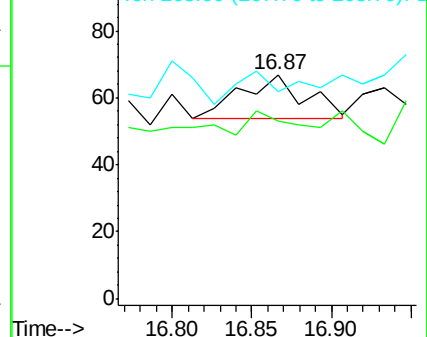
268 92.5 69.8 104.8

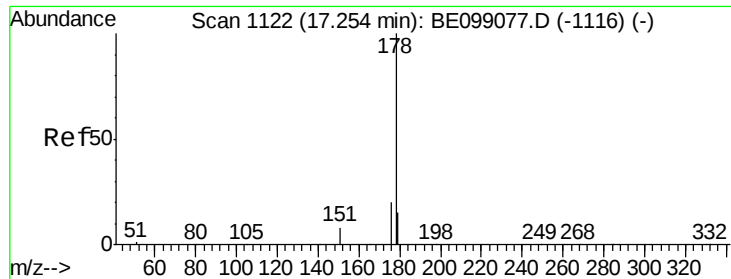


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.047 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

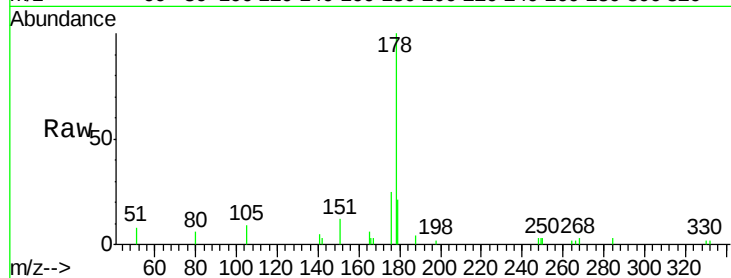
Tgt Ion:178 Resp: 3341

Ion Ratio Lower Upper

178 100

176 22.9 16.0 24.0

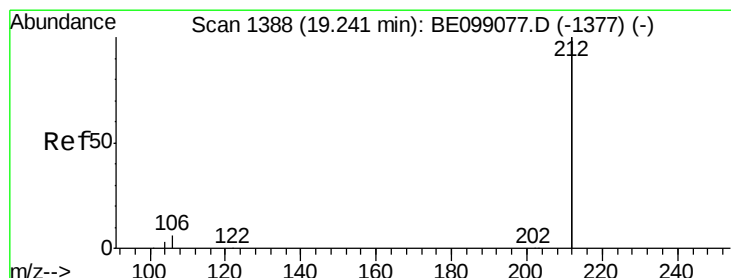
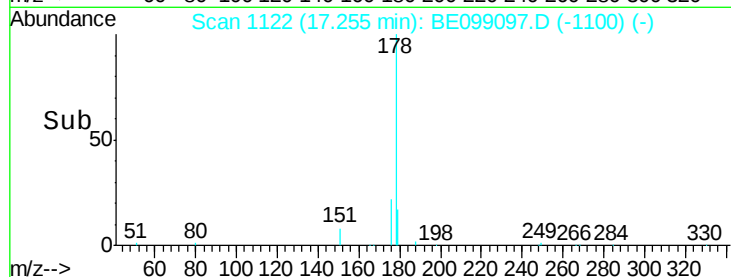
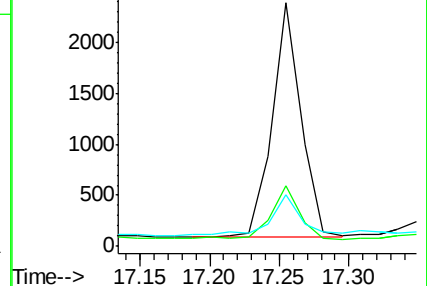
179 18.2 12.1 18.1#



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: 0.367 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

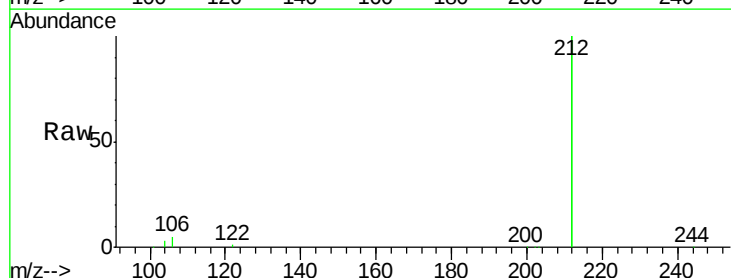
Tgt Ion:212 Resp: 116735

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8

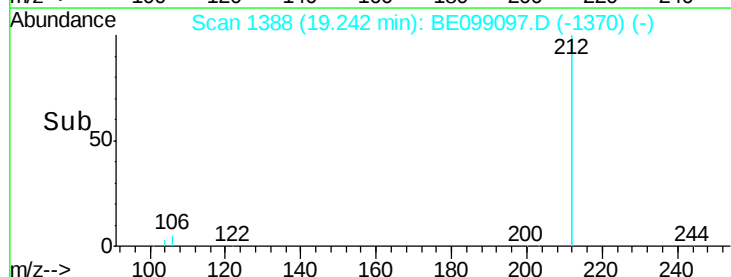
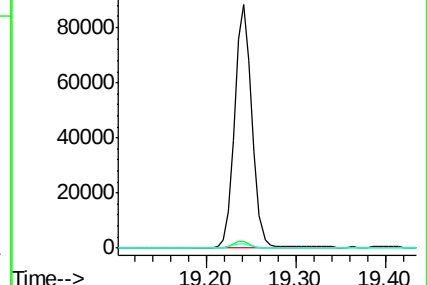
104 1.6 1.0 1.6#

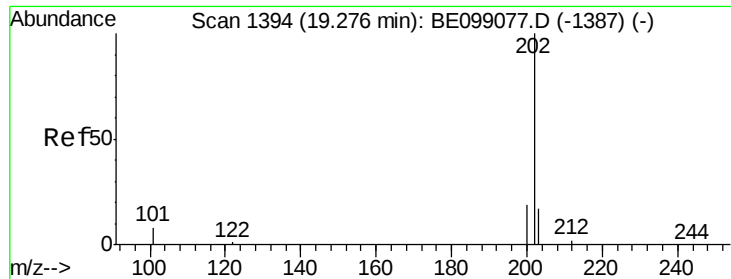


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

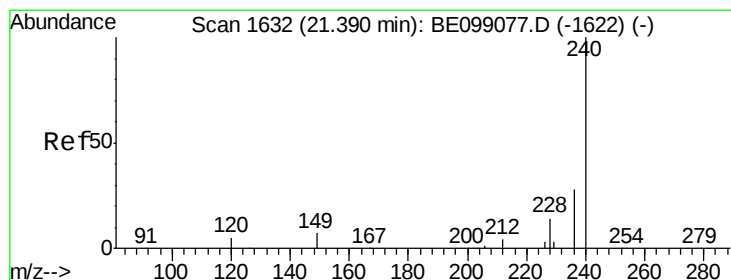
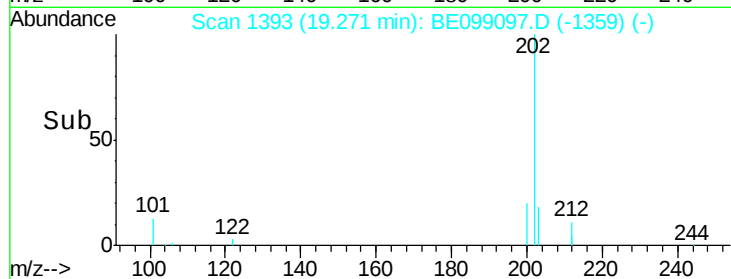
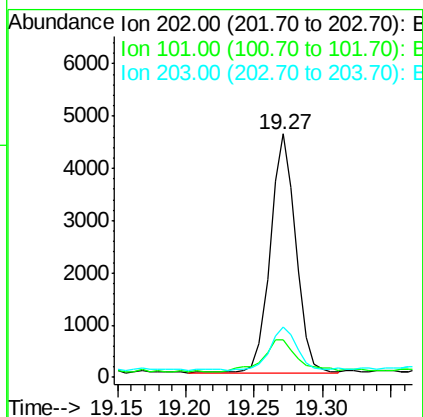
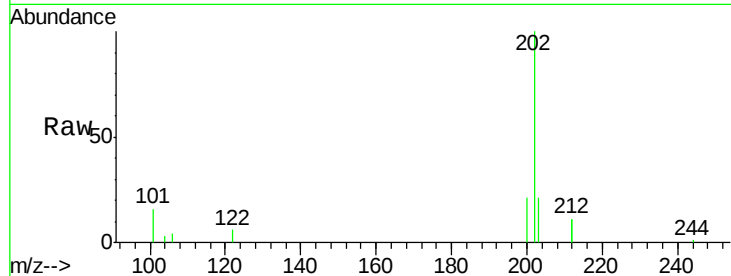




#26
 Fluoranthene
 Concen: 0.059 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

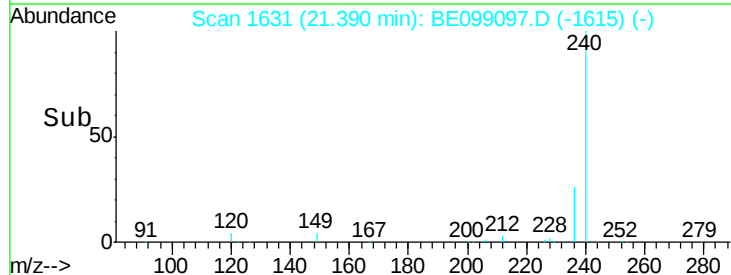
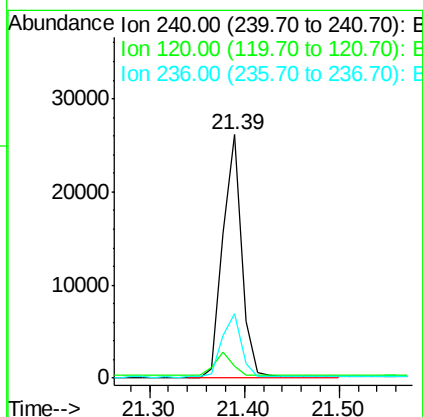
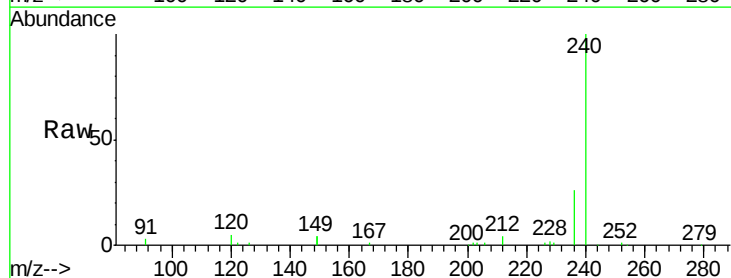
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

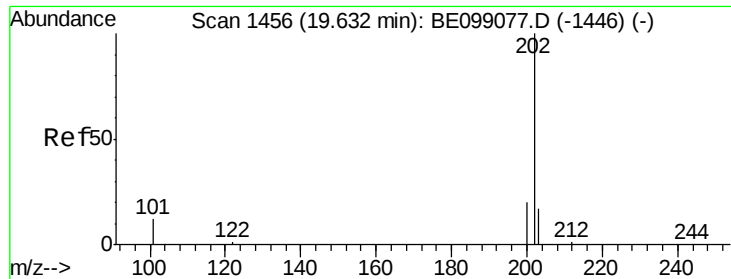
Tgt Ion: 202 Resp: 5922
 Ion Ratio Lower Upper
 202 100
 101 18.3 7.3 10.9#
 203 18.9 13.4 20.2



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion: 240 Resp: 35939
 Ion Ratio Lower Upper
 240 100
 120 5.0 5.0 7.4#
 236 26.3 22.7 34.1





#28

Pyrene

Concen: 0.047 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

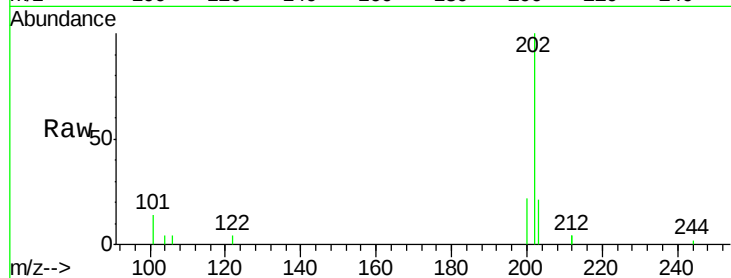
Tgt Ion:202 Resp: 5696

Ion Ratio Lower Upper

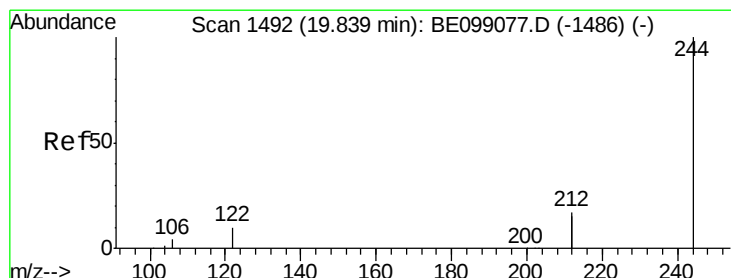
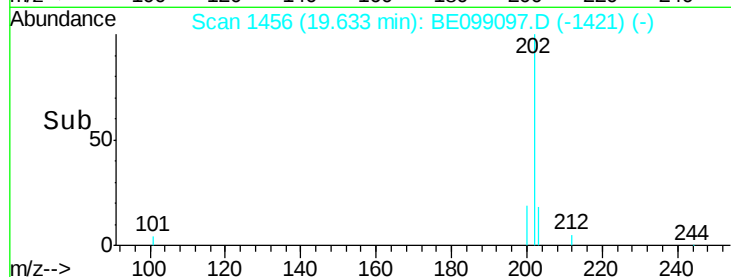
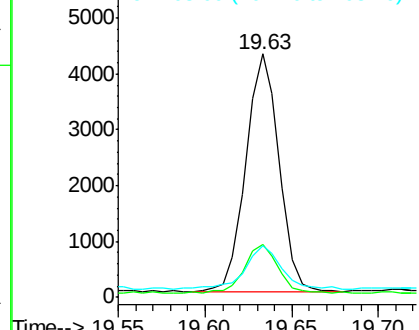
202 100

200 20.7 17.0 25.6

203 21.4 14.2 21.2#



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: 0.368 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

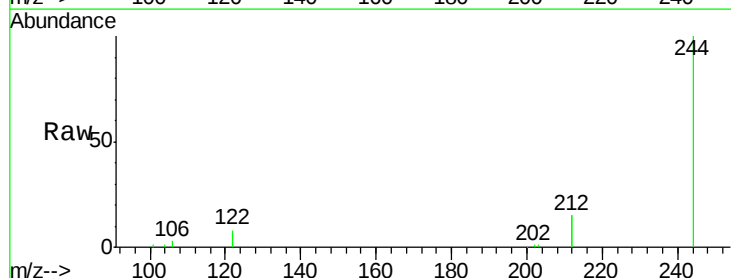
Tgt Ion:244 Resp: 28005

Ion Ratio Lower Upper

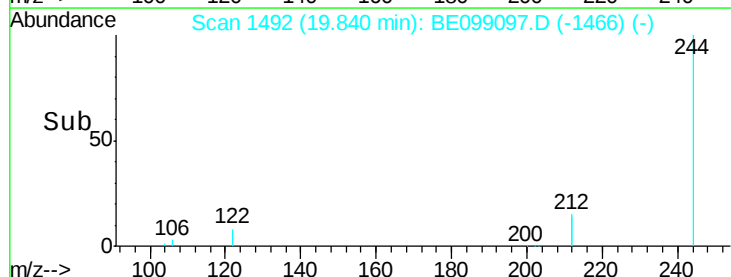
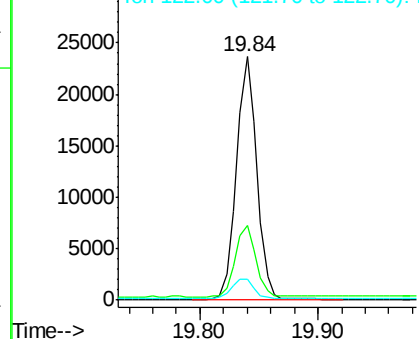
244 100

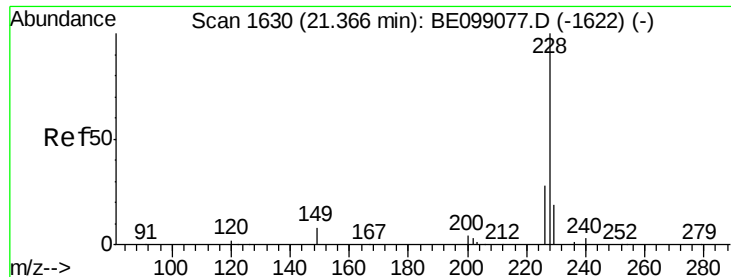
212 30.8 29.4 44.2

122 8.5 7.1 10.7



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: 0.023 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

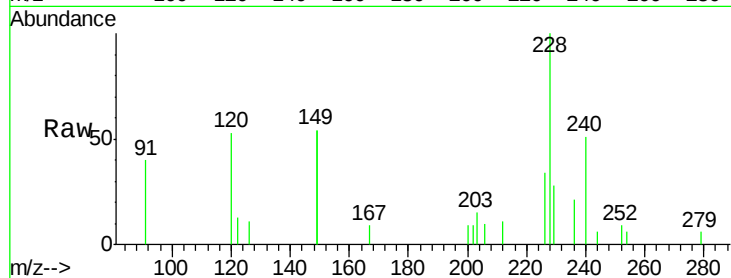
Tgt Ion:228 Resp: 2940

Ion Ratio Lower Upper

228 100

226 33.9 23.0 34.4

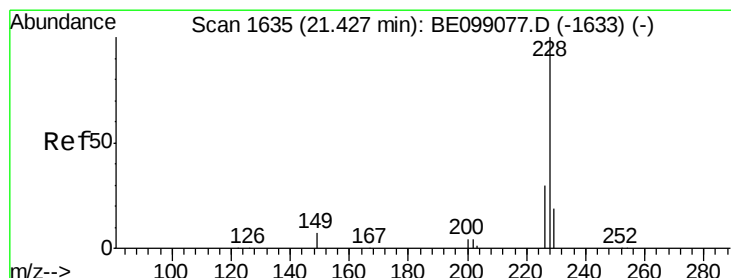
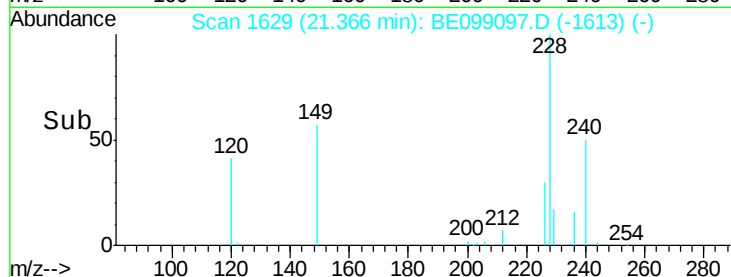
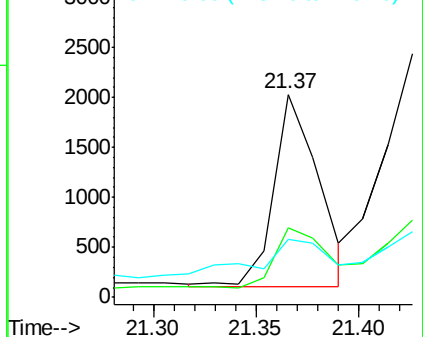
229 28.3 16.5 24.7#



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: 0.030 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

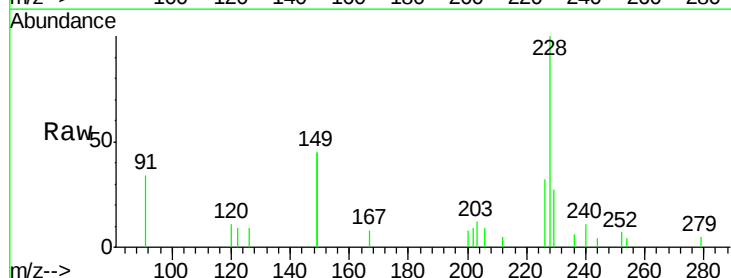
Tgt Ion:228 Resp: 3746

Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

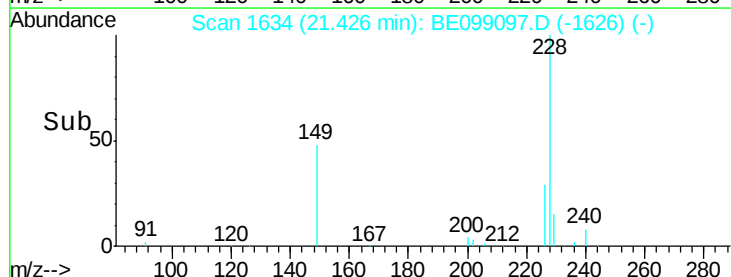
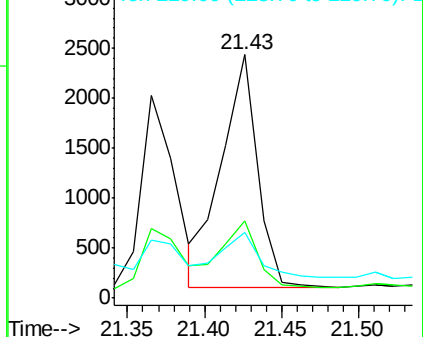
229 26.8 16.1 24.1#

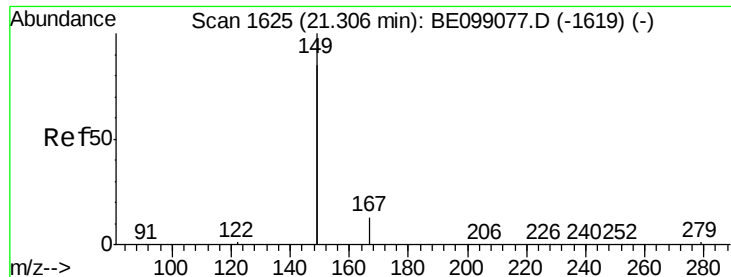


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

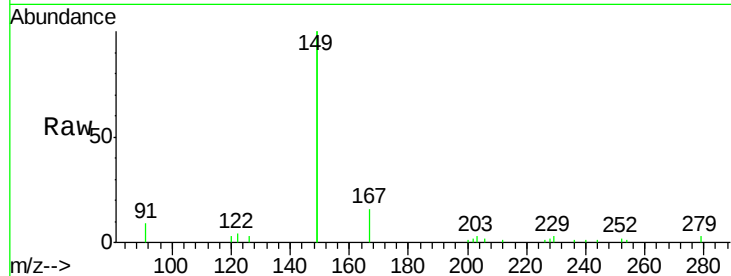




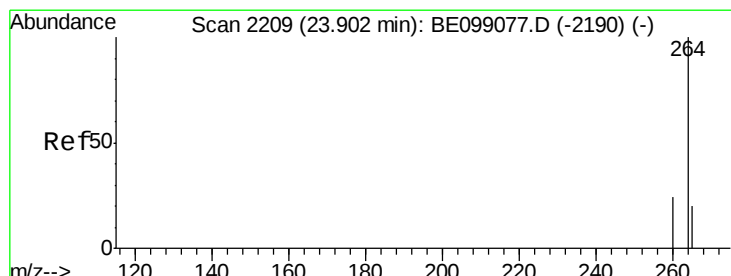
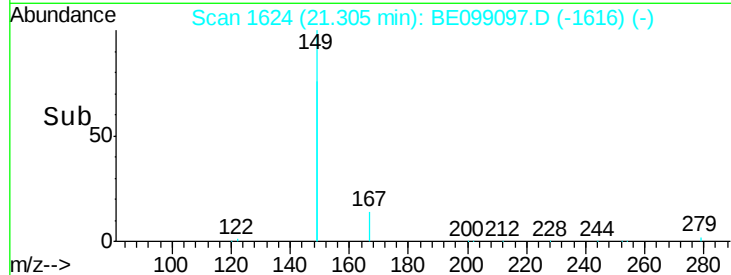
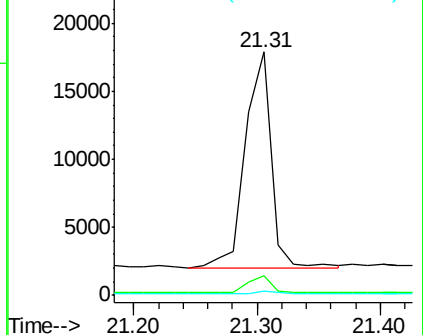
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.142 ng
 RT: 21.31 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

Tgt Ion:149 Resp: 23339
 Ion Ratio Lower Upper
 149 100
 167 7.5 5.4 8.0
 279 1.1 1.0 1.4

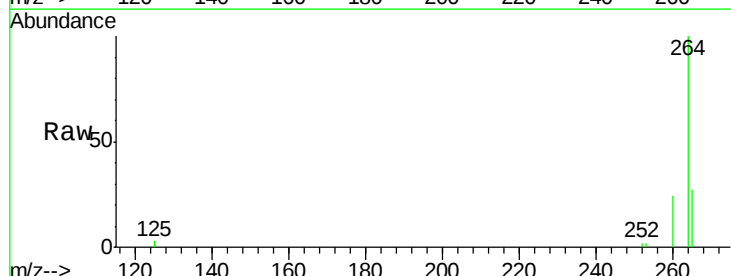


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

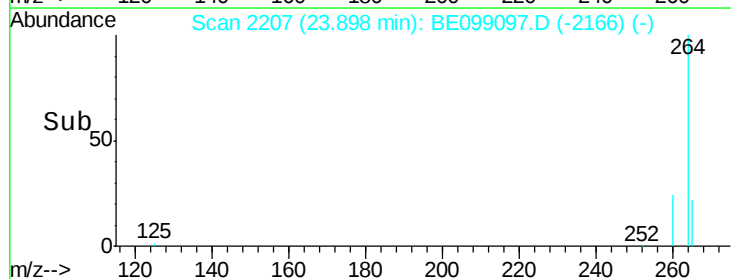
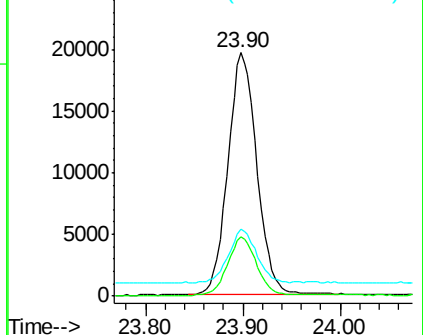


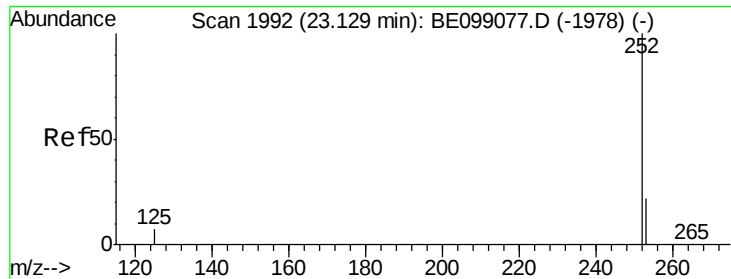
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion:264 Resp: 40748
 Ion Ratio Lower Upper
 264 100
 260 24.2 21.2 31.8
 265 27.3 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.053 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

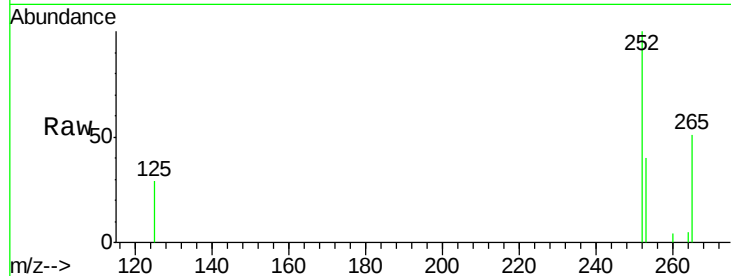
Tgt Ion:252 Resp: 7446

Ion Ratio Lower Upper

252 100

253 40.0 18.2 27.2#

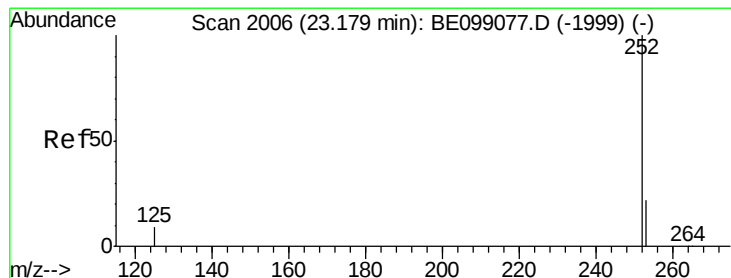
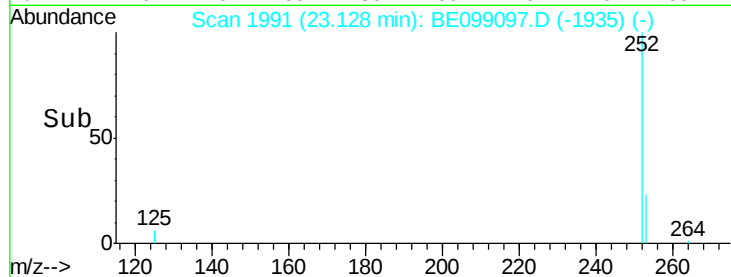
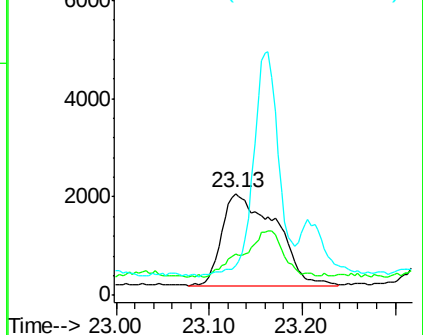
125 29.0 7.3 10.9#



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: 0.054 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

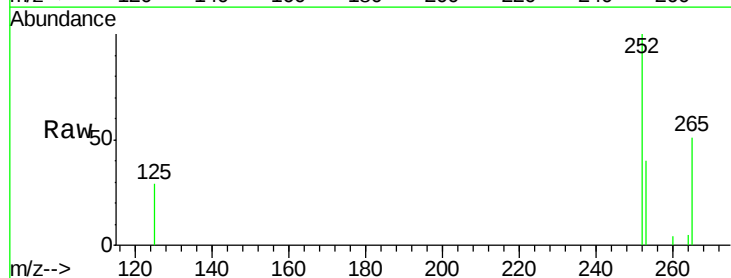
Tgt Ion:252 Resp: 7446

Ion Ratio Lower Upper

252 100

253 40.0 19.3 28.9#

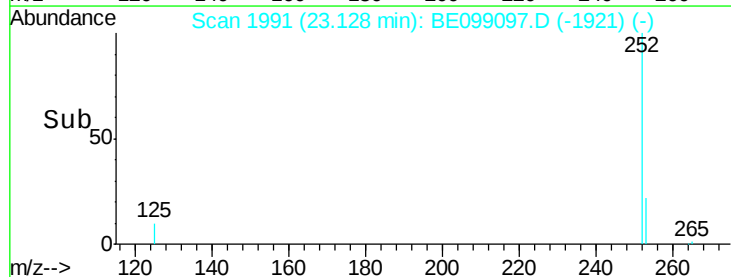
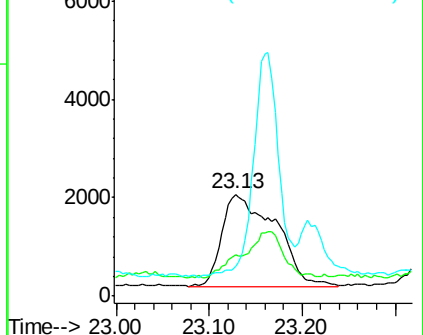
125 29.0 7.5 11.3#

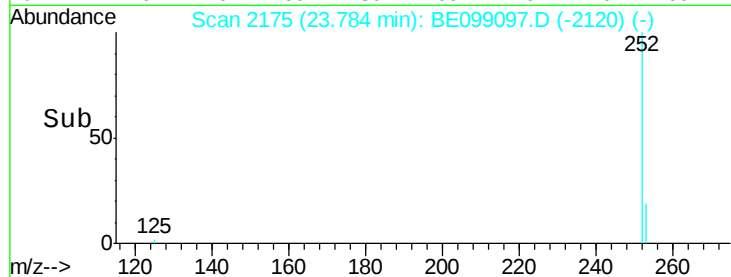
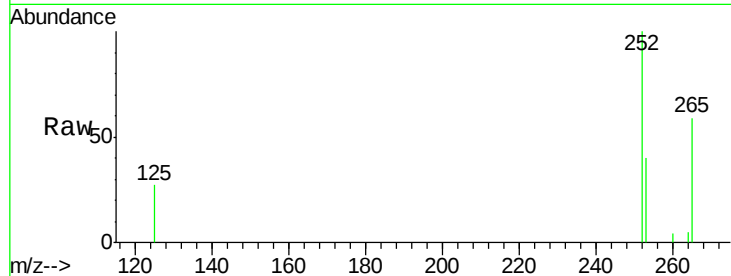
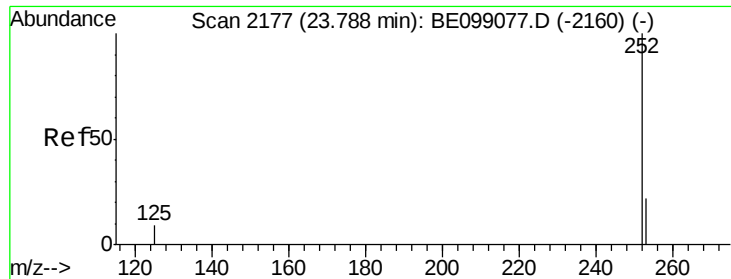


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

Tgt Ion: 252 Resp: 3079

Ion Ratio Lower Upper

252 100

253 39.7 19.9 29.9#

125 27.3 9.0 13.4#

