

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099403.D
 Acq On : 27 Apr 2019 6:43
 Operator : JU/SJ
 Sample : K2533-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B008-042219

Quant Time: Apr 29 00:57:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3304	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	12968	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	9720	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	26220	0.40	ng	0.01
27) Chrysene-d12	21.37	240	29969	0.40	ng	0.00
34) Perylene-d12	23.87	264	33556	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	3660	0.45	ng	0.01
5) Phenol-d6	6.98	99	5171	0.45	ng	0.00
8) Nitrobenzene-d5	8.98	82	4638	0.46	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9278	0.41	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2337	0.72	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13903	0.36	ng	0.00
25) Fluoranthene-d10	19.22	212	129836	0.41	ng	0.00
29) Terphenyl-d14	19.82	244	22488	0.38	ng	0.00

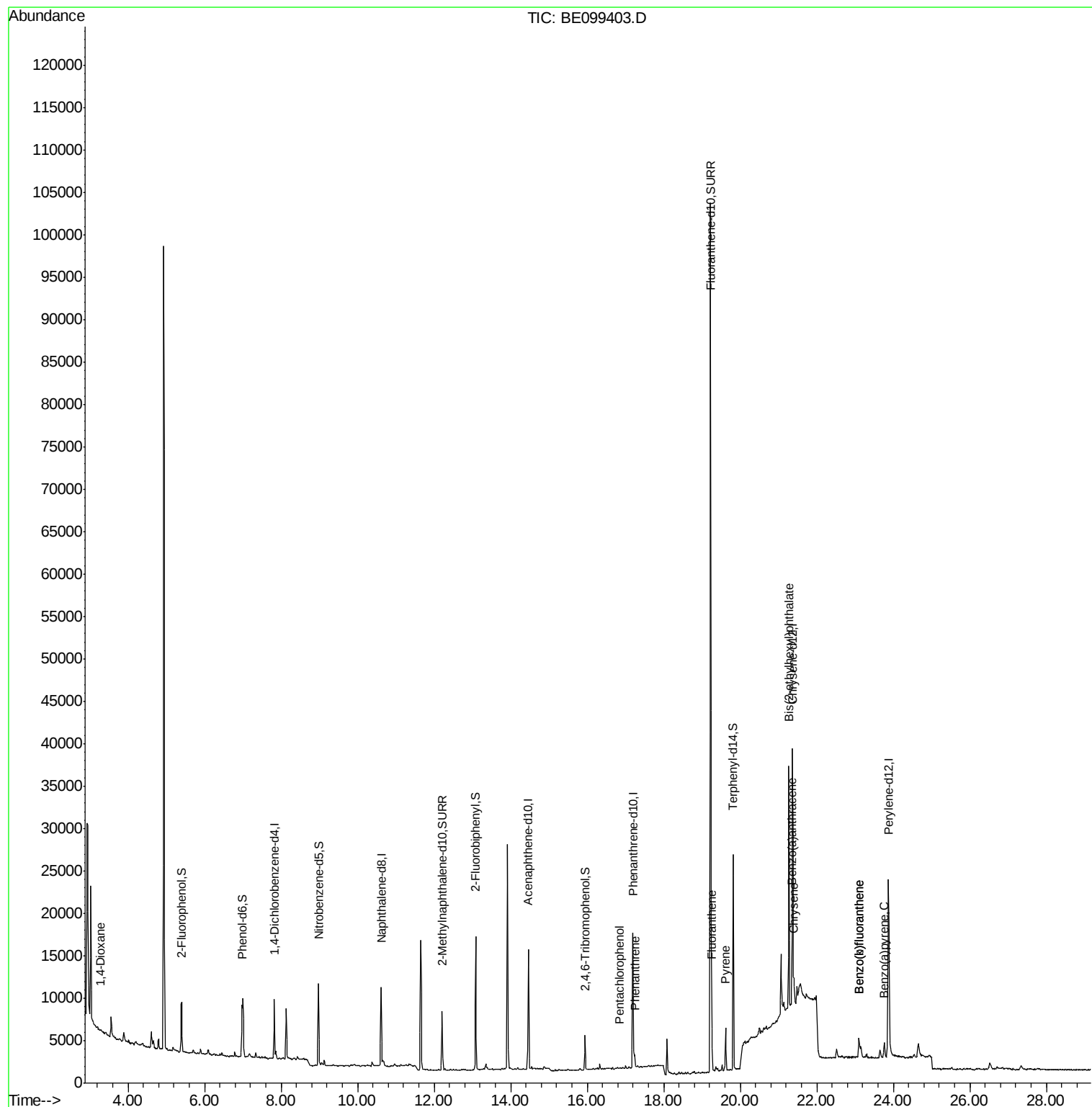
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	183	0.040	ng	# 79
22) Pentachlorophenol	16.84	266	24	0.224	ng	# 74
23) Phenanthrene	17.24	178	1738	0.025	ng	95
26) Fluoranthene	19.25	202	4663	0.050	ng	97
28) Pyrene	19.61	202	4742	0.054	ng	# 93
30) Benzo(a)anthracene	21.35	228	2990	0.034	ng	# 74
31) Chrysene	21.40	228	2848	0.030	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.27	149	28611	0.357	ng	# 100
35) Benzo(b)fluoranthene	23.10	252	3758	0.037	ng	# 25
36) Benzo(k)fluoranthene	23.10	252	3758	0.037	ng	# 29
37) Benzo(a)pyrene	23.76	252	2438	0.026	ng	# 7

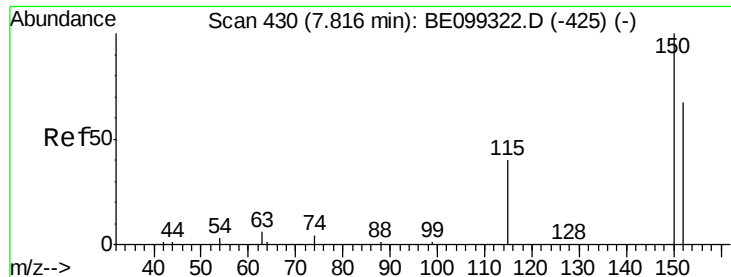
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

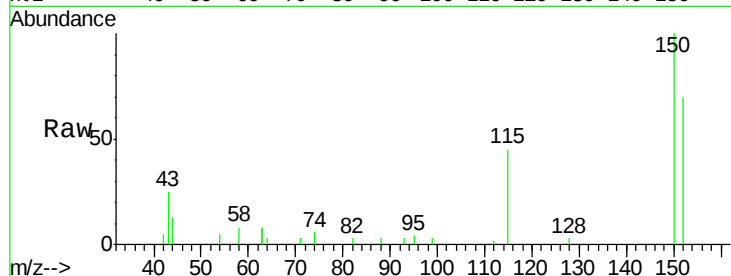
Tot Ion:152 Resp: 3304

Ion Ratio Lower Upper

152 100

150 143.2 119.5 179.3

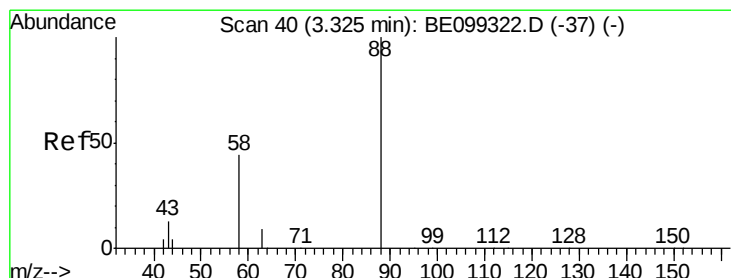
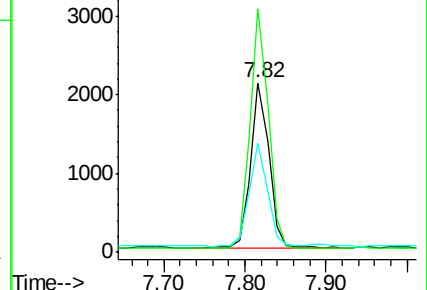
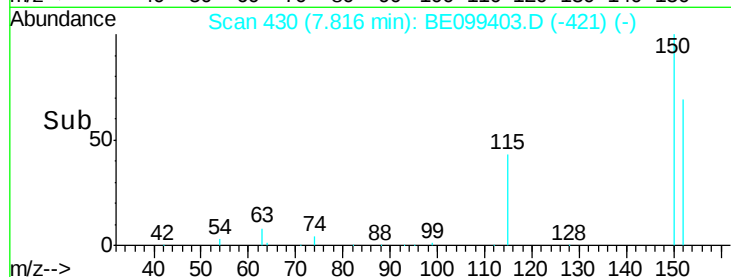
115 64.4 47.5 71.3



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: 0.040 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.05 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

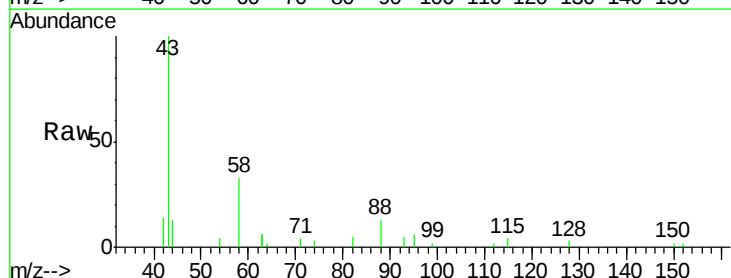
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

58 69.9 49.1 73.7

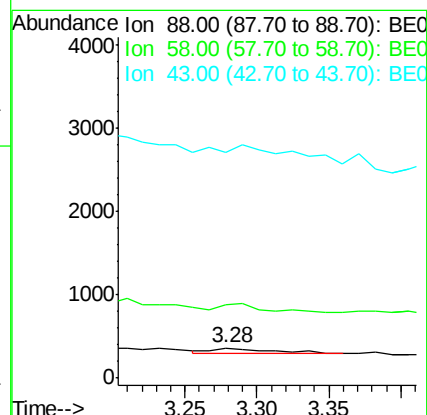
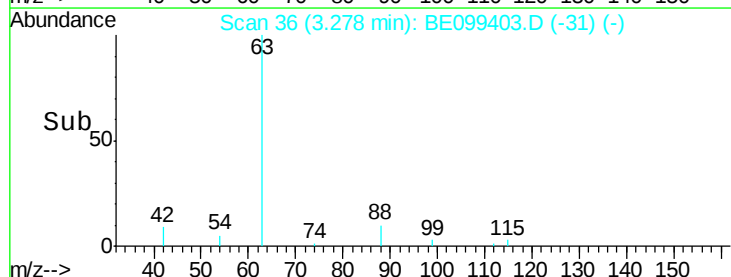
43 0.0 17.9 26.9#

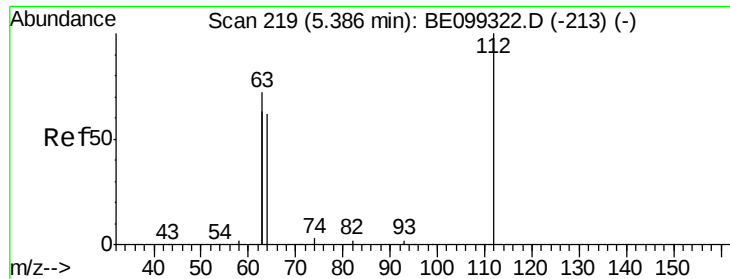


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.453 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

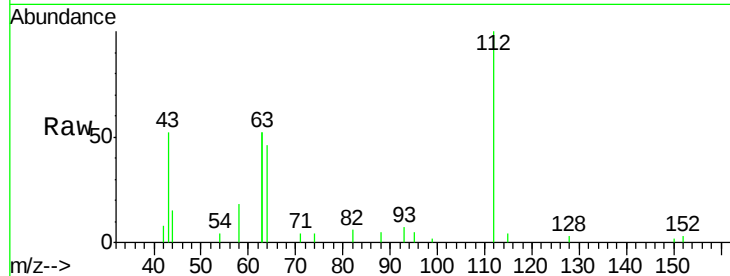
Tot Ion:112 Resp: 3660

Ion Ratio Lower Upper

112 100

64 55.3 44.9 67.3

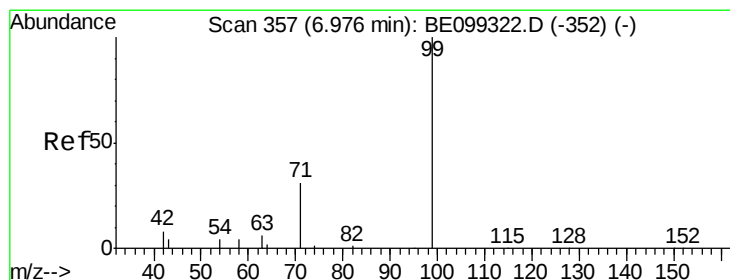
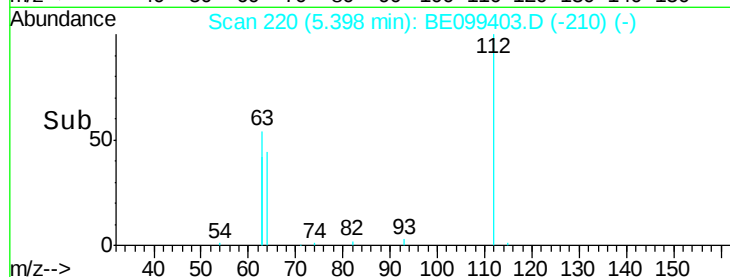
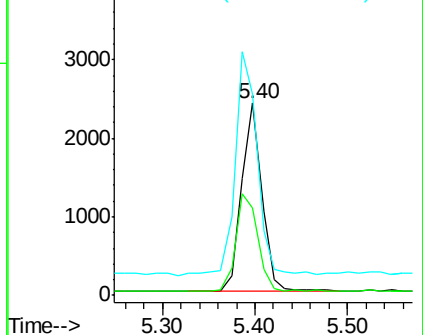
63 128.5 97.4 146.0



Abundance Ion 112.00 (111.70 to 112.70): BE099322.D (-213) (-)

Ion 64.00 (63.70 to 64.70): BE099322.D (-213) (-)

Ion 63.00 (62.70 to 63.70): BE099322.D (-213) (-)



#5

Phenol-d6

Concen: 0.449 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

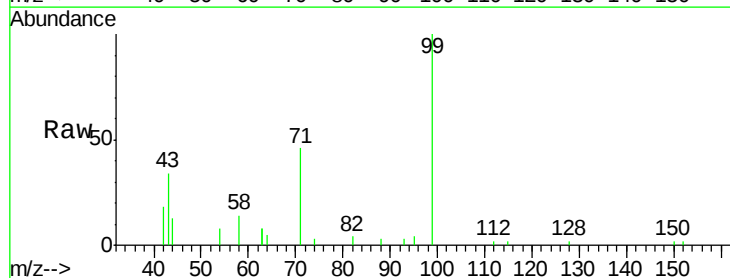
Tgt Ion: 99 Resp: 5171

Ion Ratio Lower Upper

99 100

42 21.7 11.7 17.5#

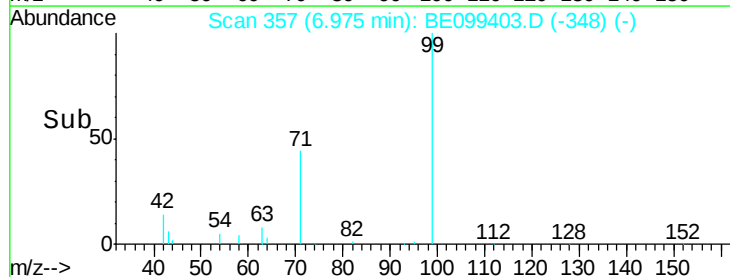
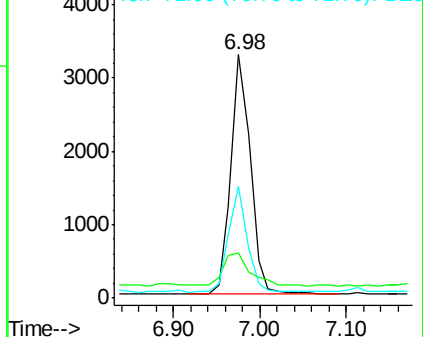
71 41.8 29.6 44.4

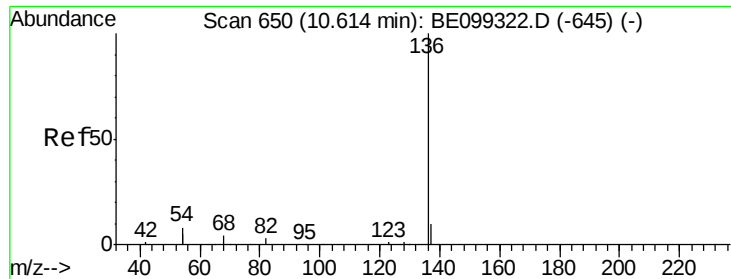


Abundance Ion 99.00 (98.70 to 99.70): BE099322.D (-352) (-)

Ion 42.00 (41.70 to 42.70): BE099322.D (-352) (-)

Ion 71.00 (70.70 to 71.70): BE099322.D (-352) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

Tot Ion:136 Resp: 12968

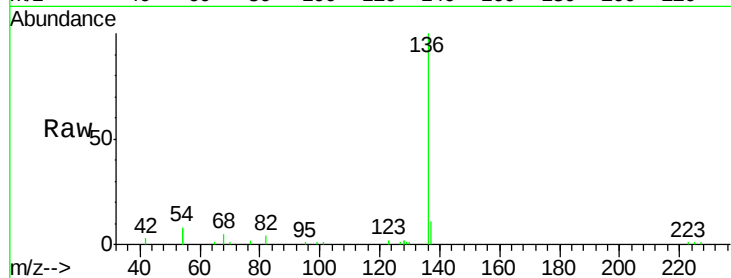
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 15.8 23.8 35.8#

68 4.6 6.4 9.6#

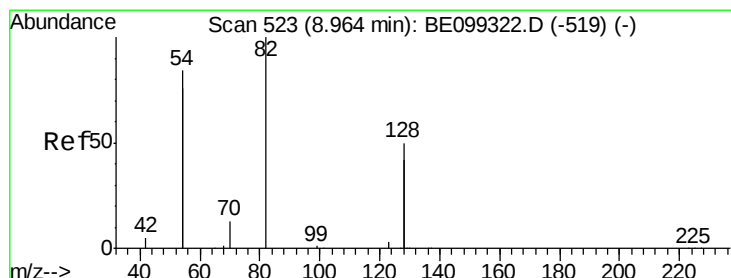
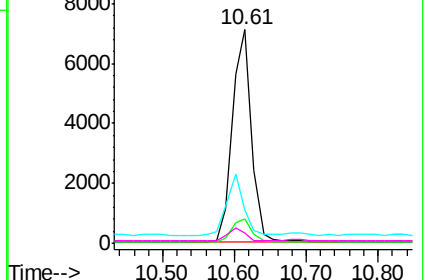
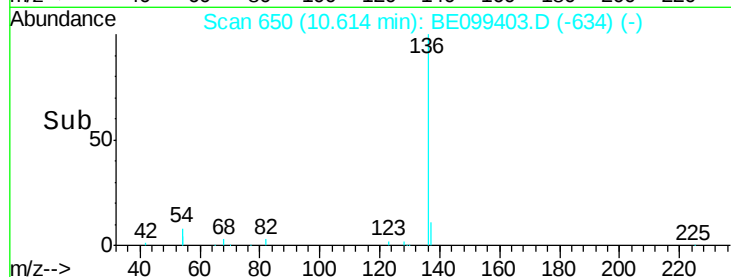


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.461 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

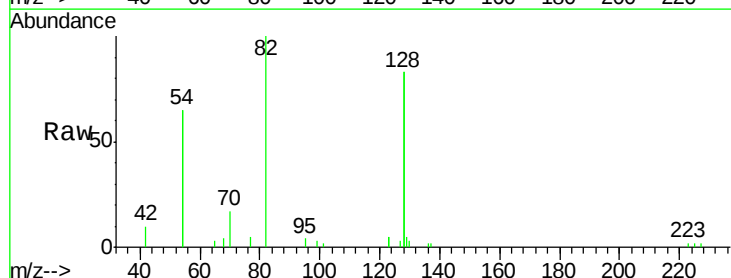
Tgt Ion: 82 Resp: 4638

Ion Ratio Lower Upper

82 100

128 167.0 91.7 137.5#

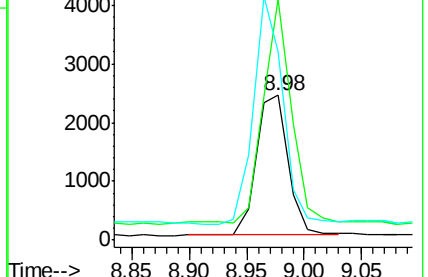
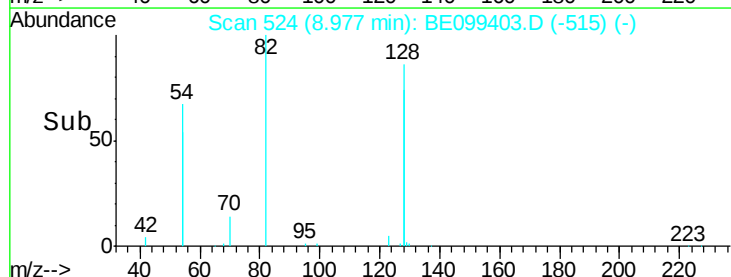
54 130.3 122.8 184.2

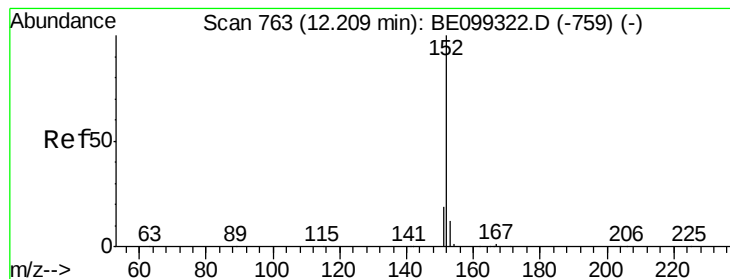


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

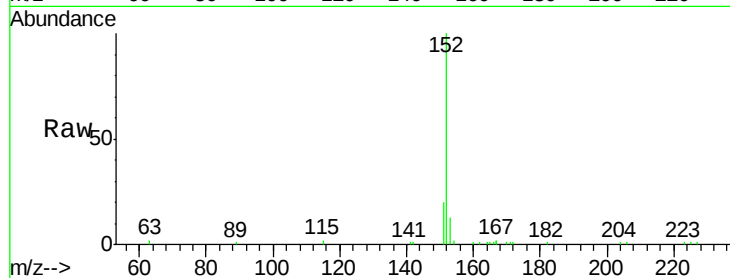
PST-028-B008-042219

Tot Ion:152 Resp: 9278

Ion Ratio Lower Upper

152 100

151 19.8 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

6000

5000

4000

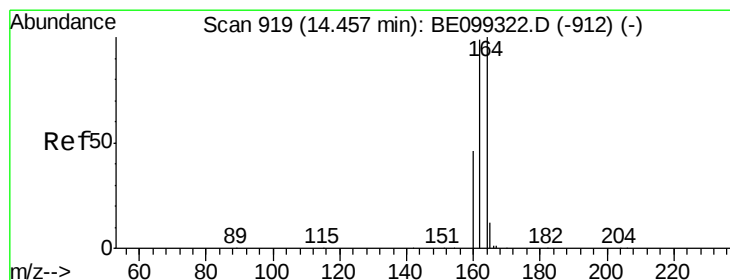
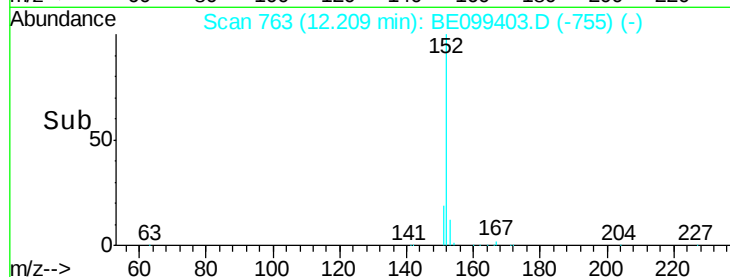
3000

2000

1000

0

Time--> 12.10 12.20 12.30



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

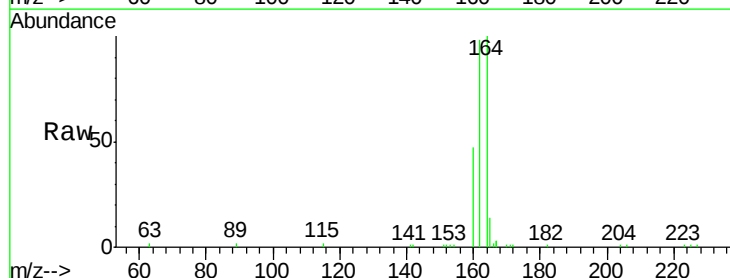
Tgt Ion:164 Resp: 9720

Ion Ratio Lower Upper

164 100

162 98.1 77.8 116.6

160 46.7 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

14.46

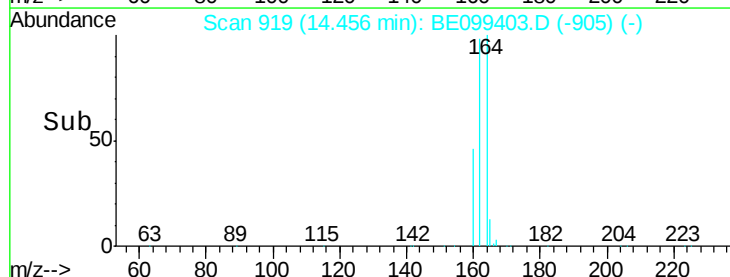
6000

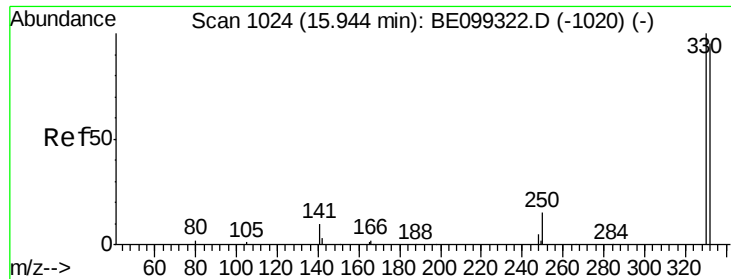
4000

2000

0

Time--> 14.30 14.40 14.50

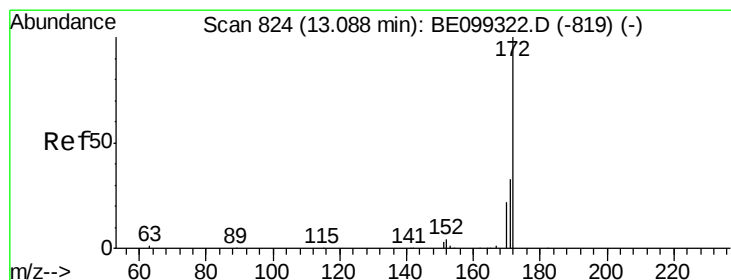
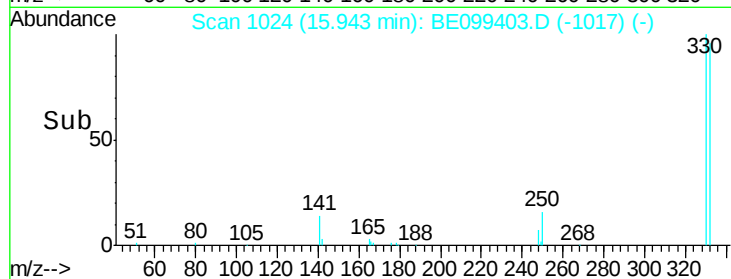
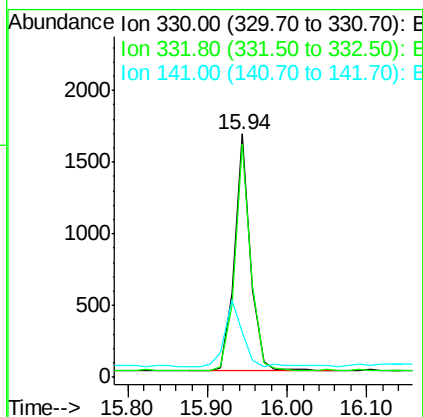
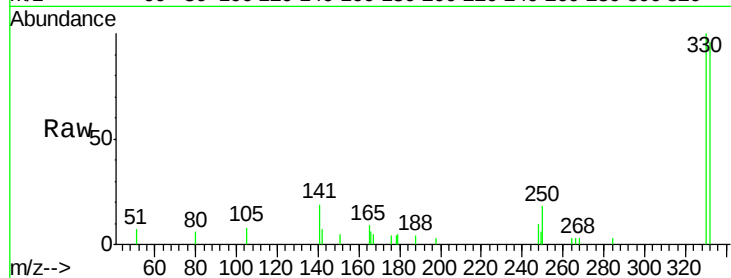




#14
 2,4,6-Tribromophenol
 Concen: 0.724 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

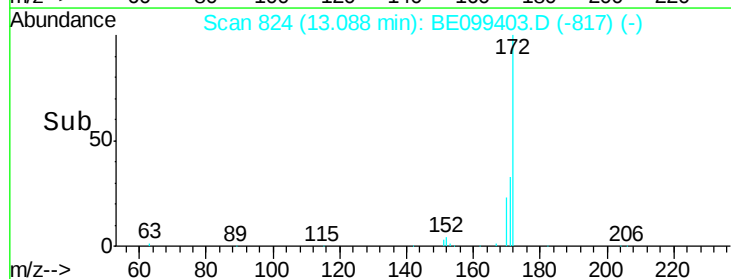
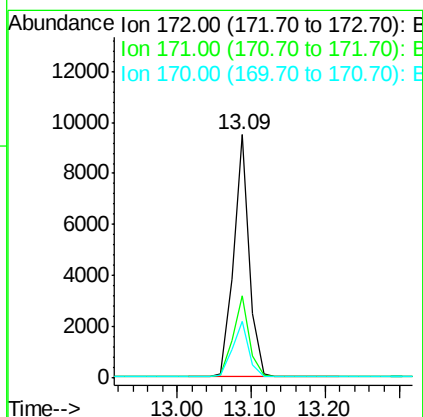
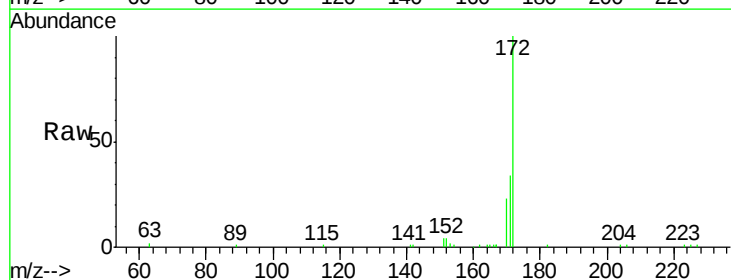
Instrument :
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 PST-028-B008-042219

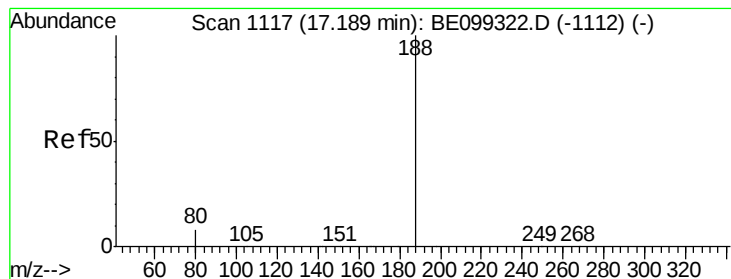
Tot Ion:330 Resp: 2337
 Ion Ratio Lower Upper
 330 100
 332 94.7 82.5 123.7
 141 32.5 24.9 37.3



#15
 2-Fluorobiphenyl
 Concen: 0.364 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

Tgt Ion:172 Resp: 13903
 Ion Ratio Lower Upper
 172 100
 171 33.6 26.2 39.2
 170 23.2 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

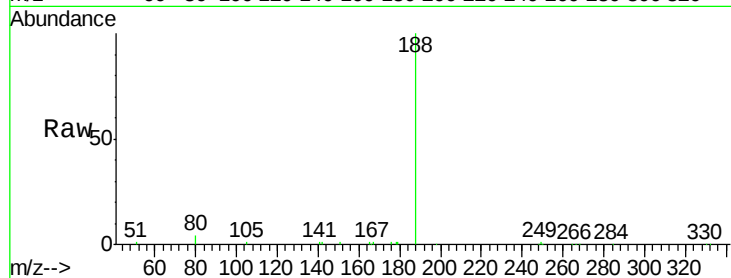
Tot Ion:188 Resp: 26220

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

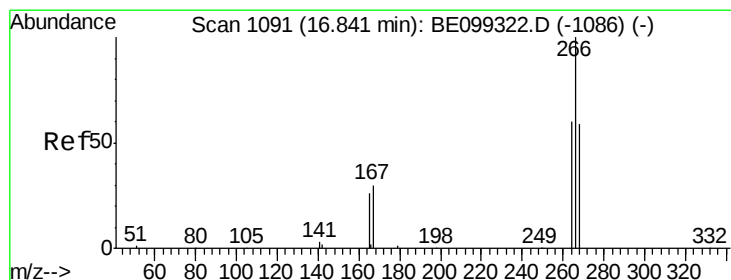
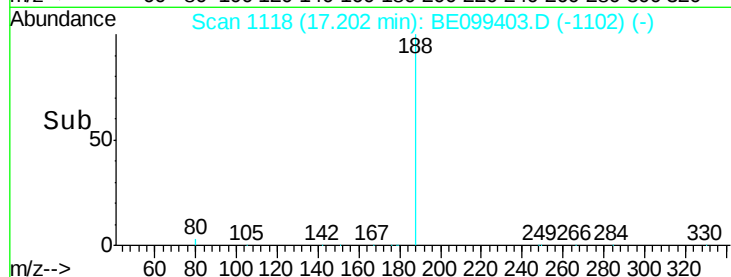
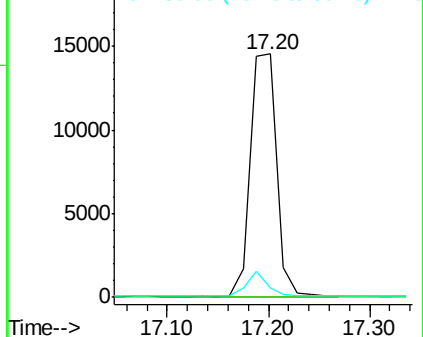
80 4.1 6.2 9.4#



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: 0.224 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

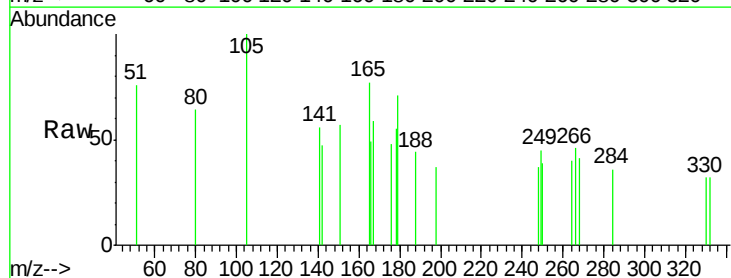
Tgt Ion:266 Resp: 24

Ion Ratio Lower Upper

266 100

264 88.1 54.5 81.7#

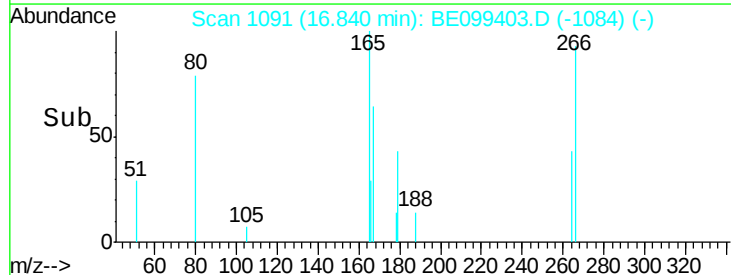
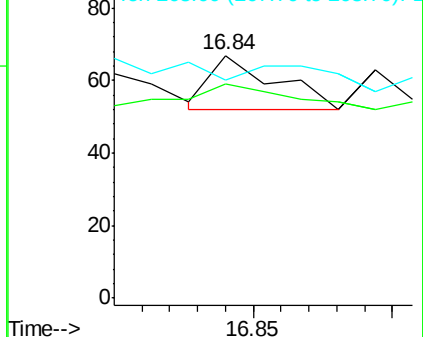
268 89.6 54.3 81.5#

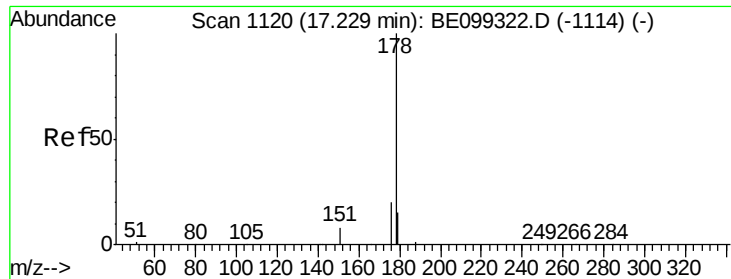


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

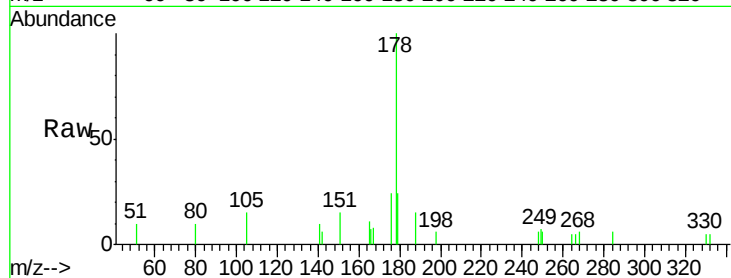




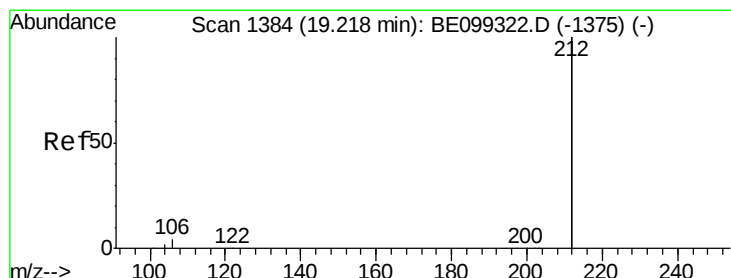
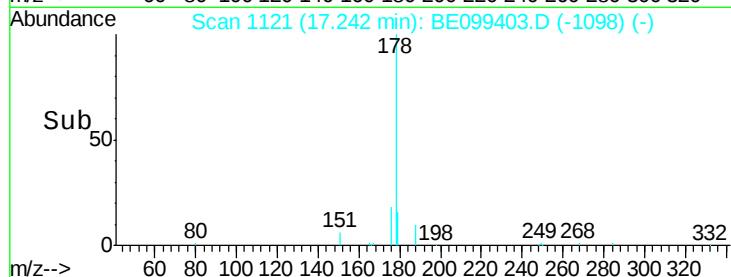
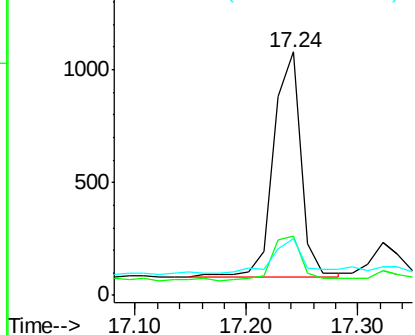
#23
Phenanthrene
Concen: 0.025 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

Instrument :
BNA_E
ClientSampleId :
PST-028-B008-042219

Tot Ion:178 Resp: 1738
Ion Ratio Lower Upper
178 100
176 22.2 15.3 22.9
179 16.2 12.4 18.6

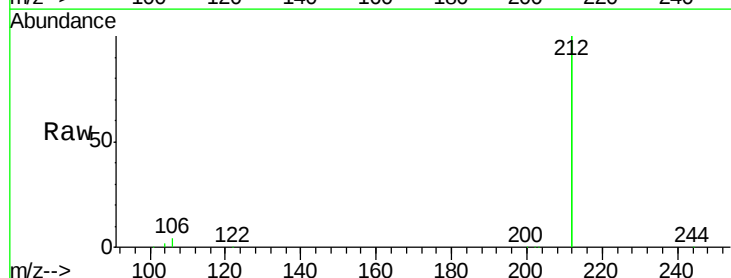


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

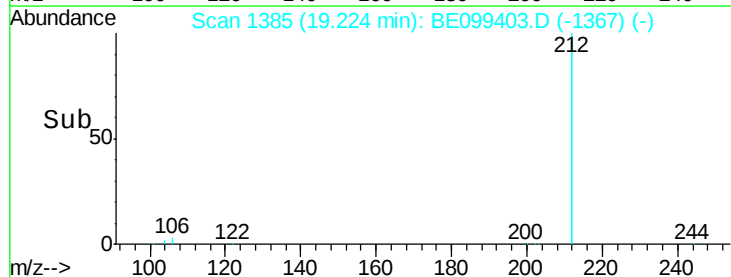
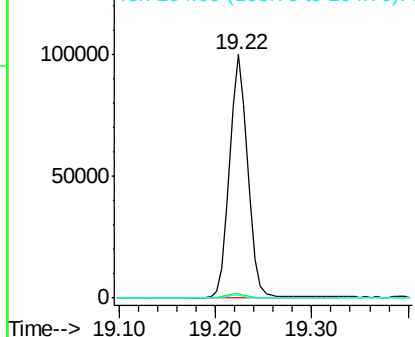


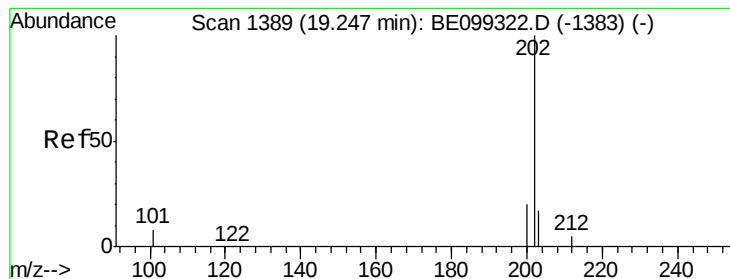
#25
Fluoranthene-d10
Concen: 0.412 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

Tgt Ion:212 Resp: 129836
Ion Ratio Lower Upper
212 100
106 1.9 1.8 2.6
104 1.1 1.0 1.4



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: 0.050 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

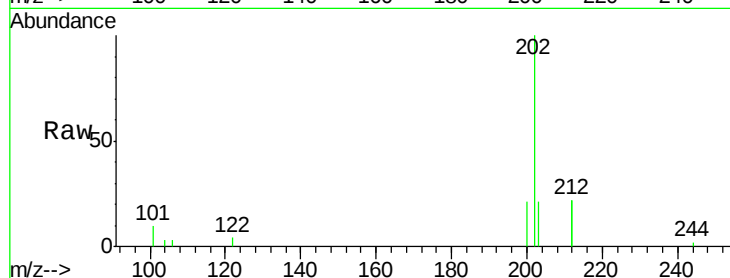
Tot Ion:202 Resp: 4663

Ion Ratio Lower Upper

202 100

101 9.2 6.4 9.6

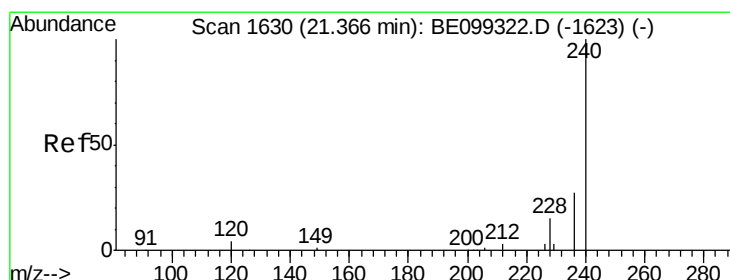
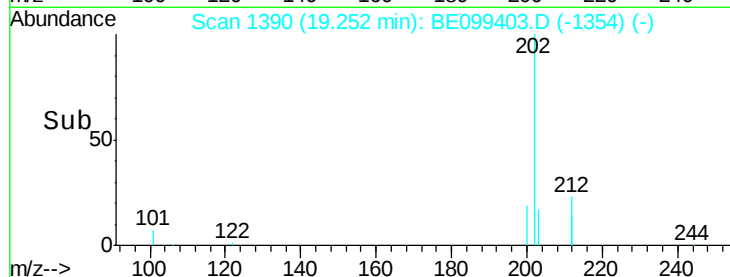
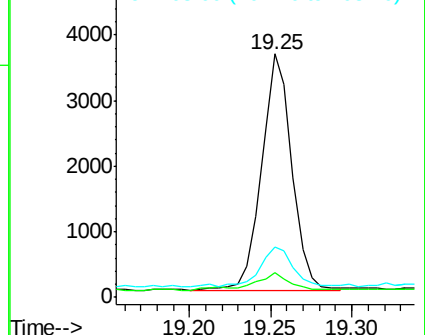
203 18.0 13.5 20.3



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: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

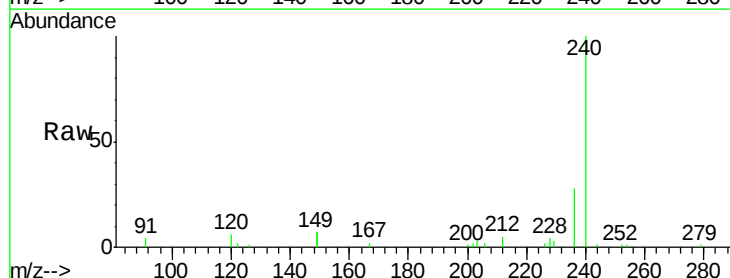
Tgt Ion:240 Resp: 29969

Ion Ratio Lower Upper

240 100

120 6.4 2.2 3.2#

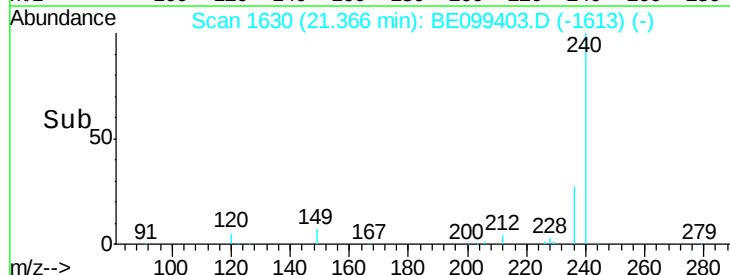
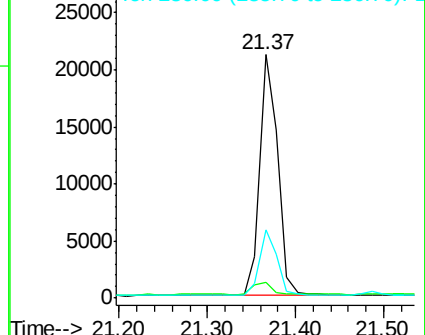
236 28.1 20.2 30.4

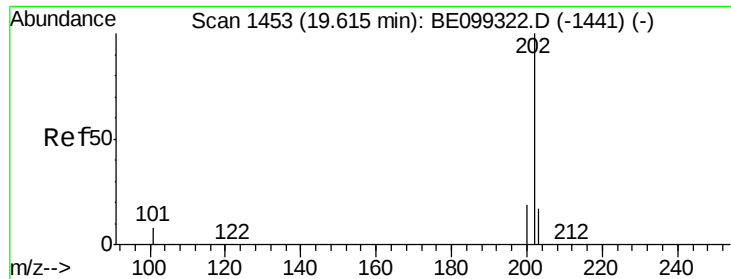


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

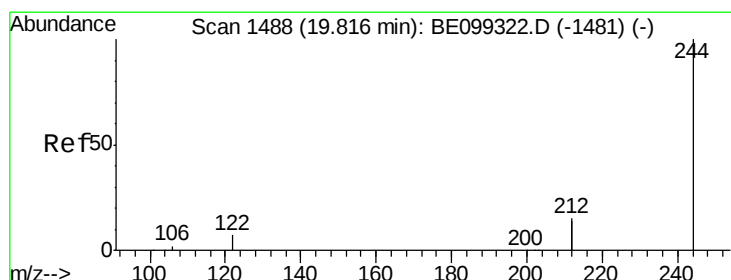
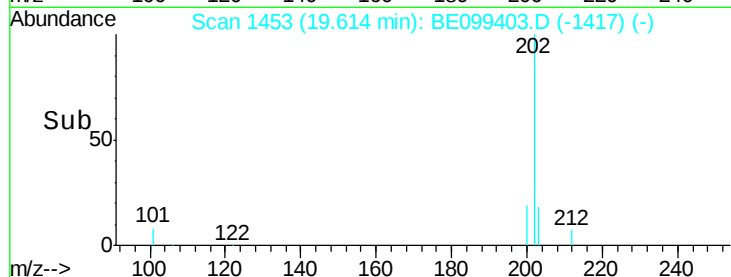
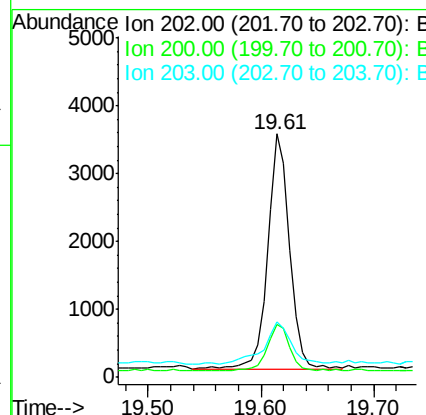
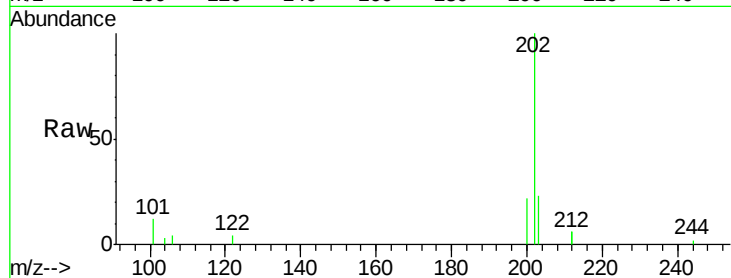




#28
Pvrene
Concen: 0.054 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

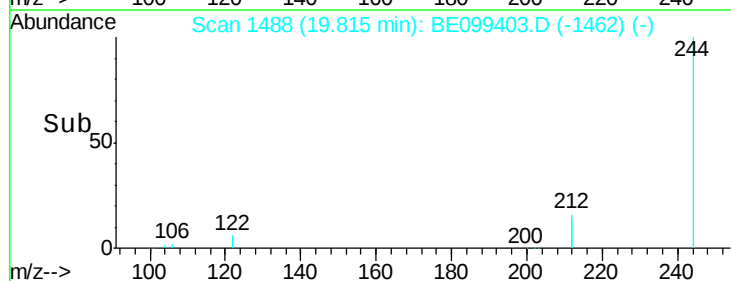
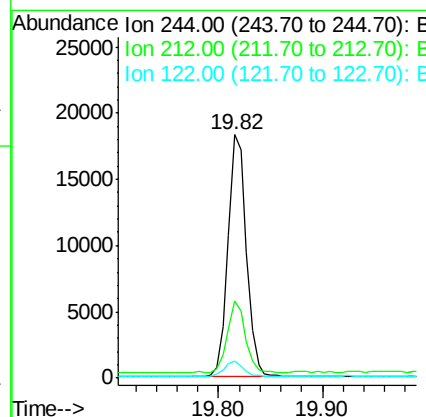
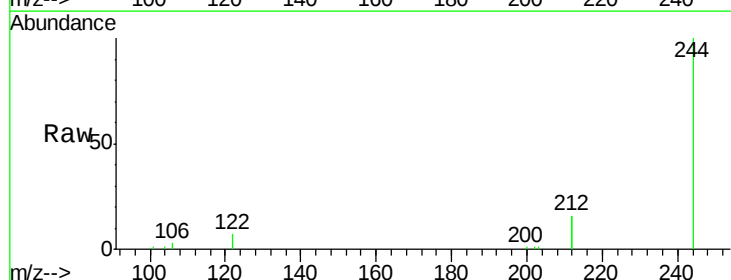
Instrument :
BNA_E
ClientSampleId :
PST-028-B008-042219

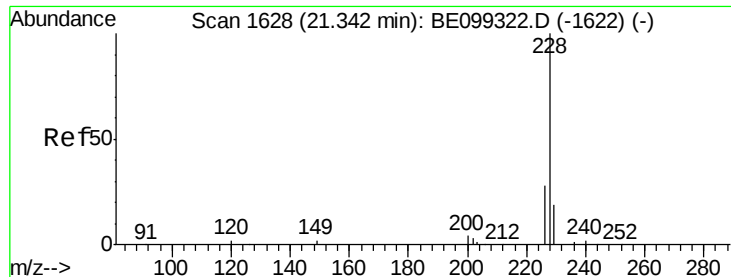
Tot Ion:202 Resp: 4742
Ion Ratio Lower Upper
202 100
200 20.4 15.7 23.5
203 22.5 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.381 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

Tgt Ion:244 Resp: 22488
Ion Ratio Lower Upper
244 100
212 31.5 22.6 33.8
122 6.8 4.6 7.0





#30

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

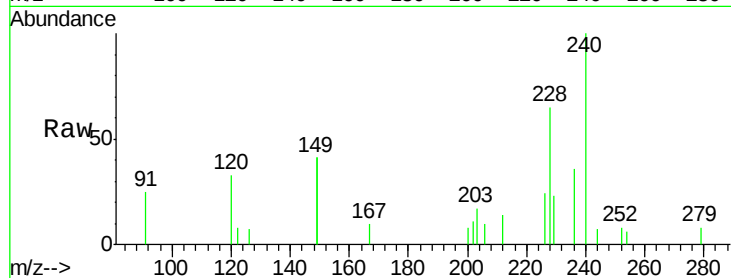
Tot Ion:228 Resp: 2990

Ion Ratio Lower Upper

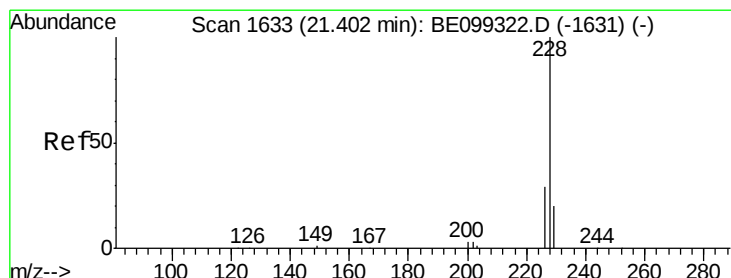
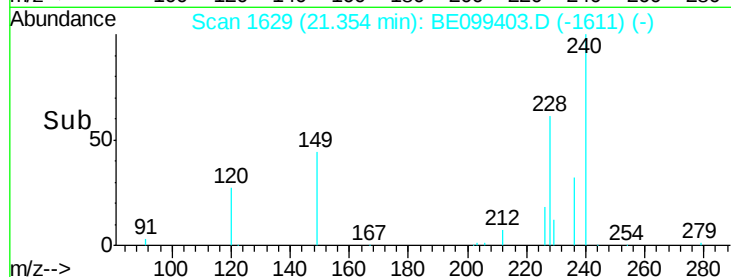
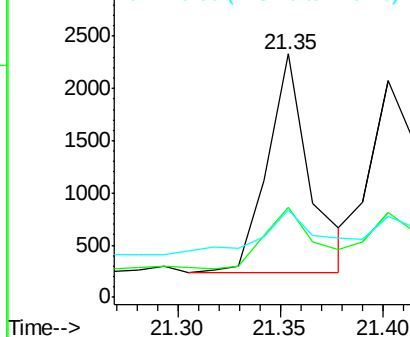
228 100

226 37.1 22.0 33.0#

229 36.1 15.8 23.8#



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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

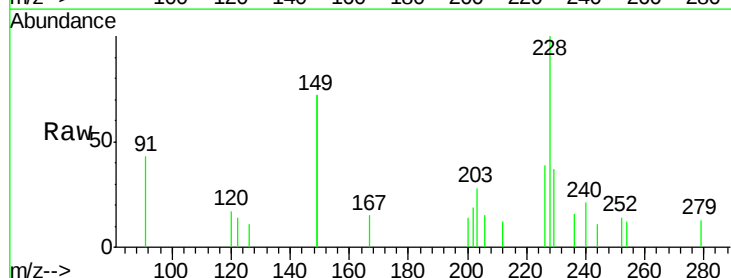
Tgt Ion:228 Resp: 2848

Ion Ratio Lower Upper

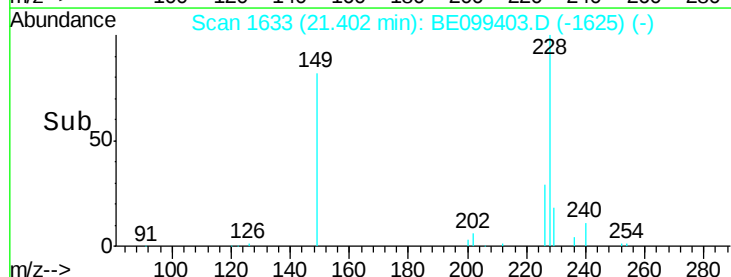
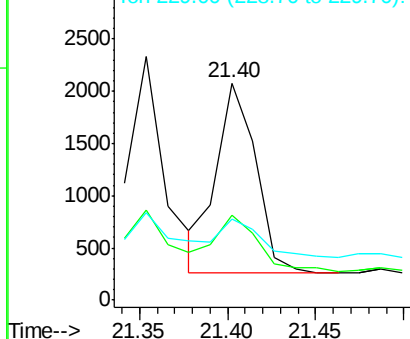
228 100

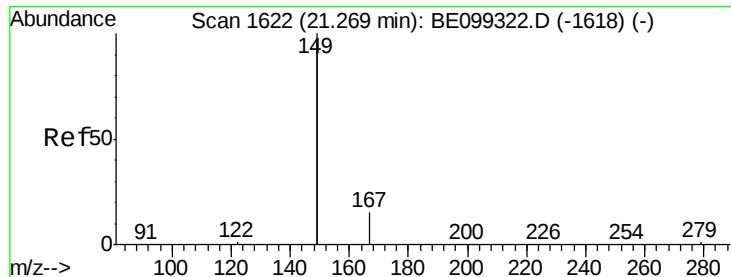
226 39.4 23.4 35.2#

229 37.4 16.2 24.2#



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: 0.357 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

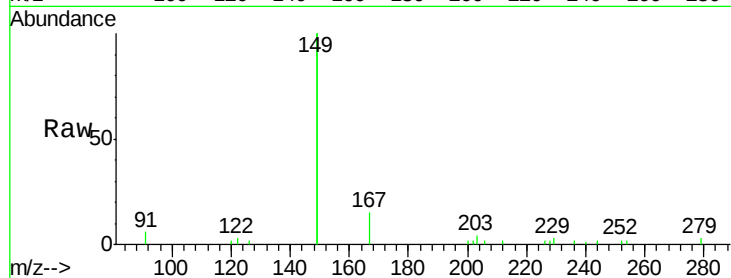
Tot Ion:149 Resp: 28611

Ion Ratio Lower Upper

149 100

167 7.6 6.0 9.0

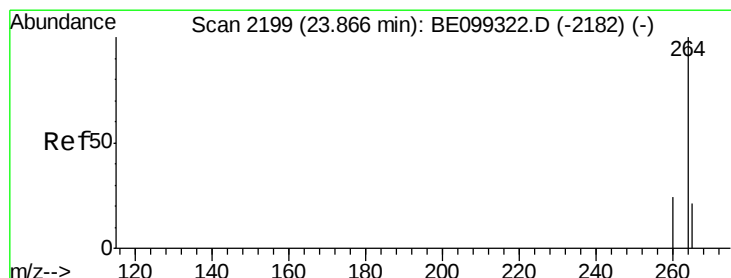
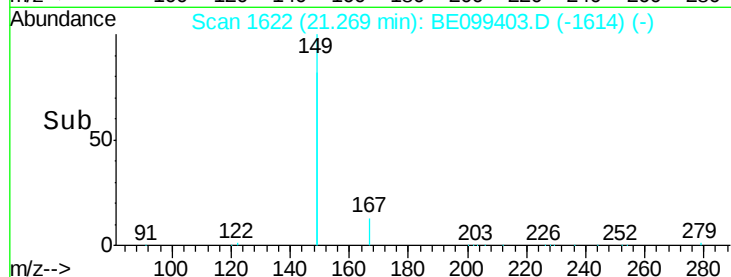
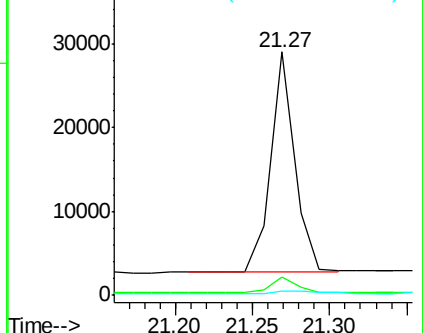
279 1.8 1.1 1.7#



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: 23.87 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

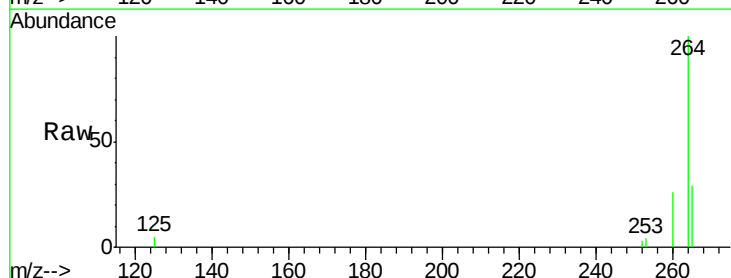
Tgt Ion:264 Resp: 33556

Ion Ratio Lower Upper

264 100

260 25.7 20.1 30.1

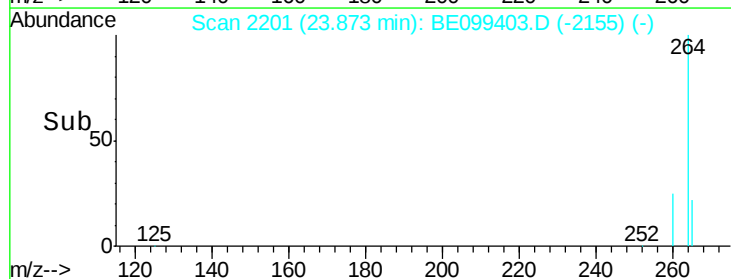
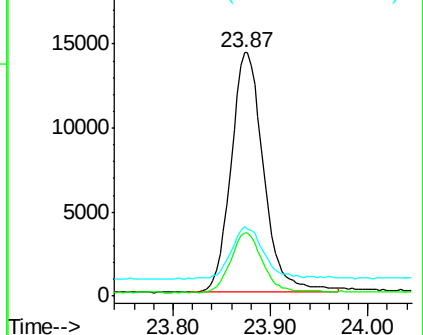
265 28.5 19.9 29.9

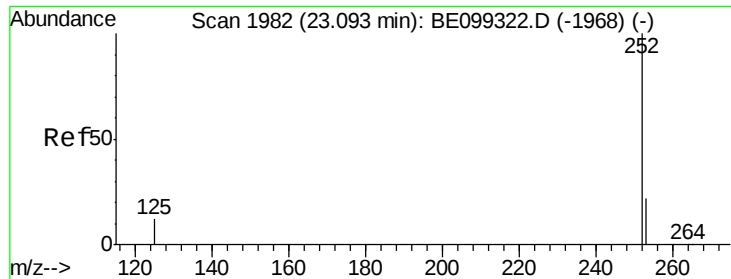


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.037 ng

RT: 23.10 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

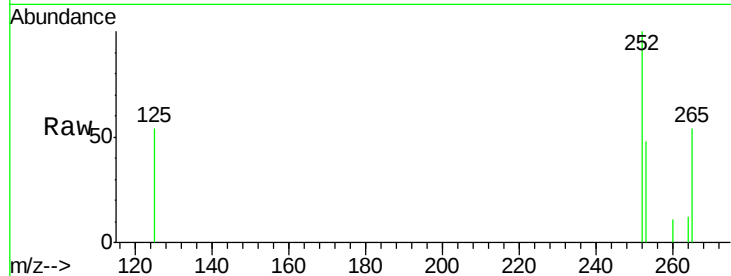
Tot Ion:252 Resp: 3758

Ion Ratio Lower Upper

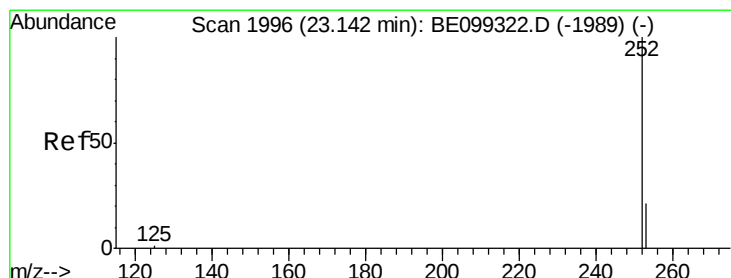
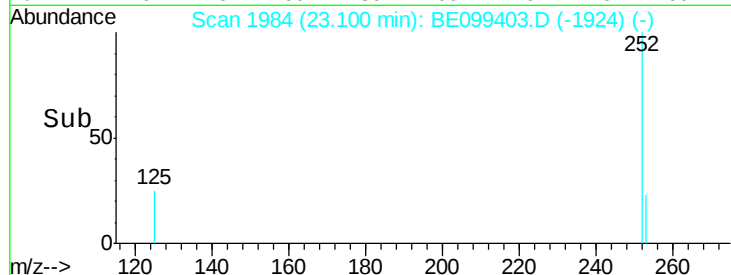
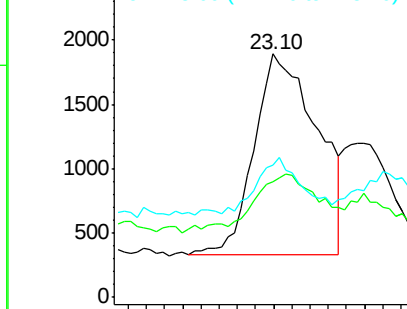
252 100

253 47.6 17.3 25.9#

125 54.2 5.8 8.6#



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: 0.037 ng

RT: 23.10 min Scan# 1984

Delta R.T. -0.04 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

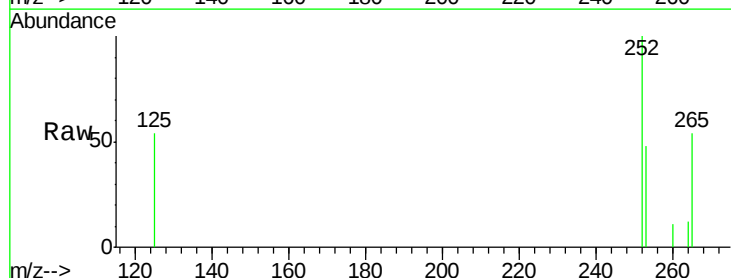
Tgt Ion:252 Resp: 3758

Ion Ratio Lower Upper

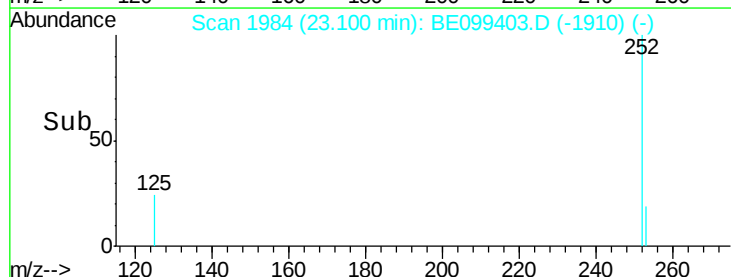
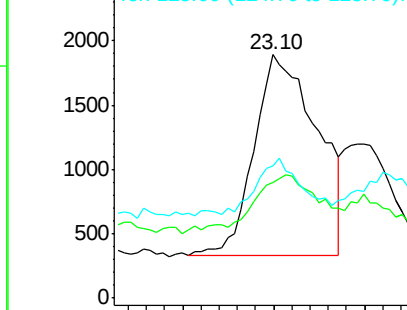
252 100

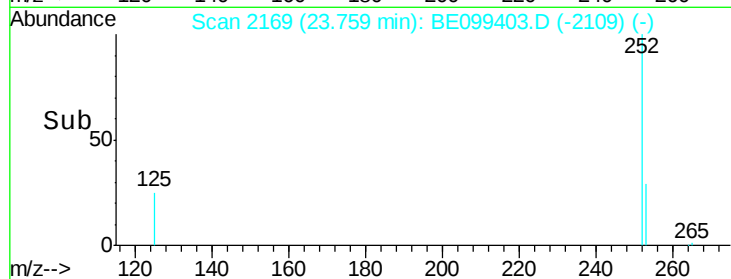
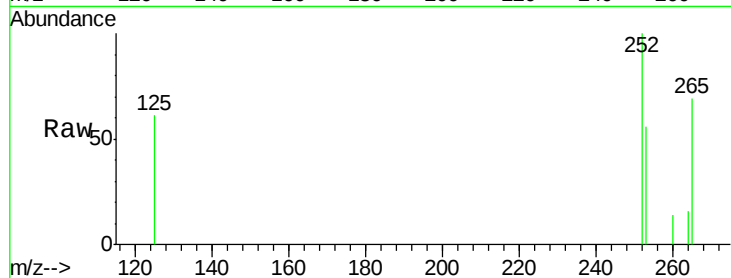
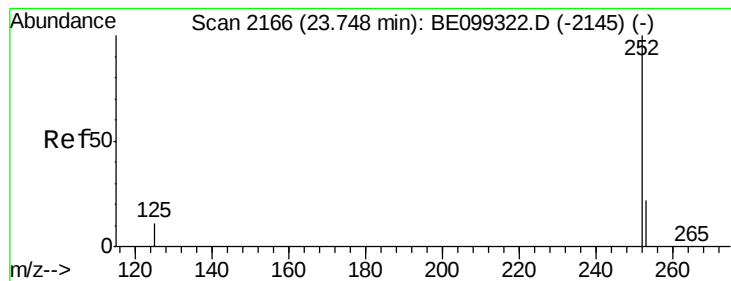
253 47.6 18.4 27.6#

125 54.2 5.4 8.0#



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: 0.026 ng

RT: 23.76 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

Tot Ion: 252 Resp: 2438

Ion Ratio Lower Upper

252 100

253 56.1 17.6 26.4#

125 61.3 6.5 9.7#

