

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099504.D
 Acq On : 2 May 2019 21:43
 Operator : JU/SJ
 Sample : K2589-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

Quant Time: May 03 02:11:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2236	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8052	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6006	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18780	0.40	ng	0.00
27) Chrysene-d12	21.36	240	25660	0.40	ng	0.00
34) Perylene-d12	23.87	264	29907	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2242	0.36	ng	0.00
5) Phenol-d6	6.96	99	3150	0.38	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2551	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4516	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1484	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6811	0.30	ng	-0.02
25) Fluoranthene-d10	19.22	212	81028	0.32	ng	0.00
29) Terphenyl-d14	19.82	244	15634	0.33	ng	0.00

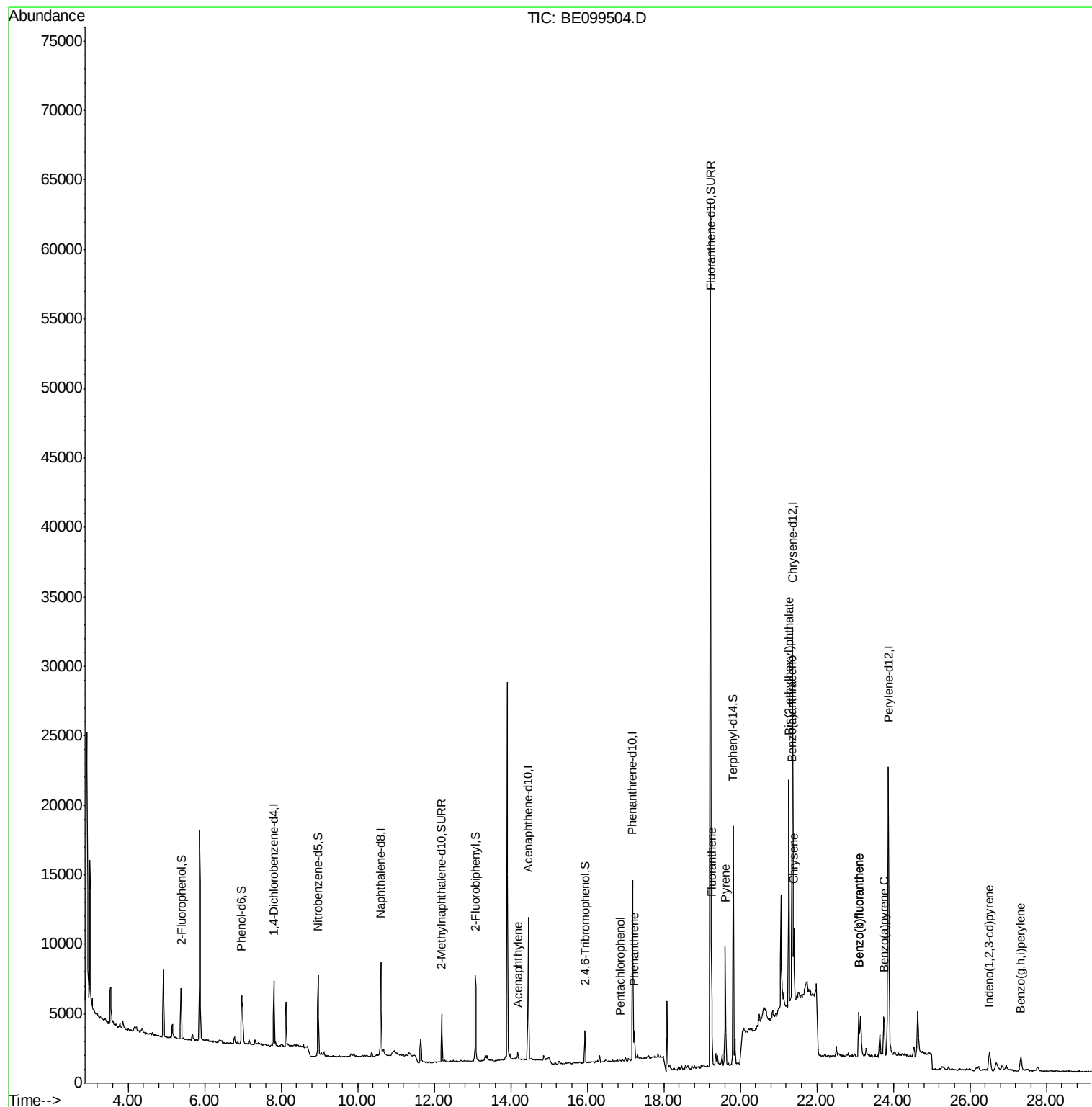
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.18	152	725	0.025	ng	95
22) Pentachlorophenol	16.85	266	34	0.221	ng	# 61
23) Phenanthrene	17.23	178	2141	0.044	ng	96
26) Fluoranthene	19.25	202	7347	0.101	ng	# 98
28) Pyrene	19.62	202	8282	0.124	ng	96
30) Benzo(a)anthracene	21.35	228	5515	0.067	ng	# 83
31) Chrysene	21.40	228	4557	0.057	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.27	149	17970	0.084	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.51	276	2572	0.027	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	5445	0.063	ng	# 45
36) Benzo(k)fluoranthene	23.10	252	5445	0.065	ng	# 46
37) Benzo(a)pyrene	23.76	252	3954	0.048	ng	# 49
39) Benzo(a,h,i)perylene	27.33	276	2523	0.030	ng	# 74

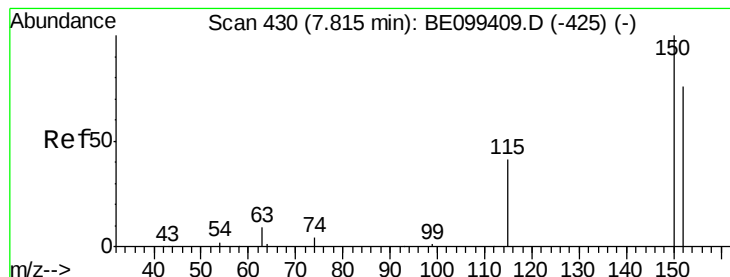
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

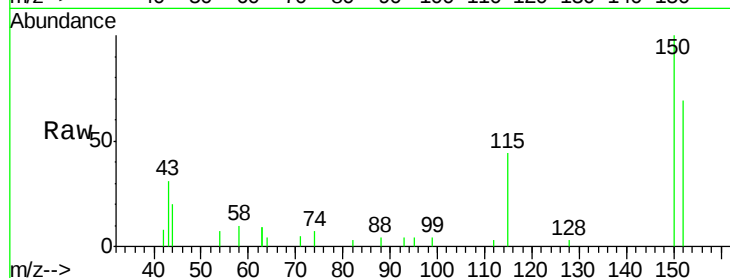
Tot Ion:152 Resp: 2236

Ion Ratio Lower Upper

152 100

150 145.9 104.8 157.2

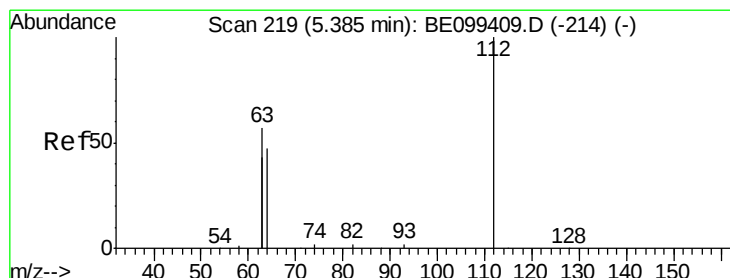
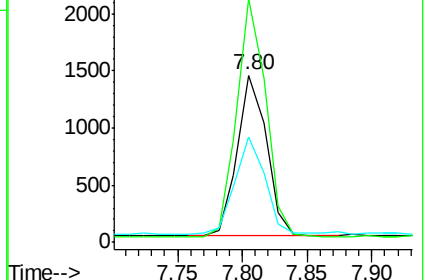
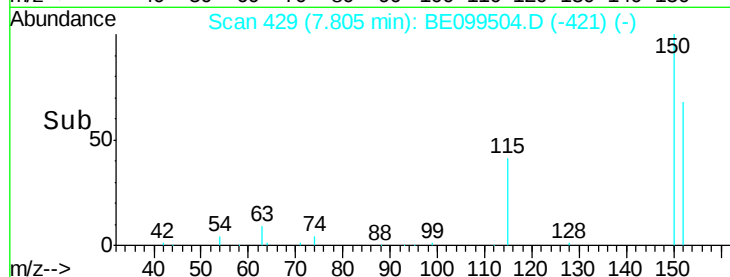
115 63.4 46.6 69.8



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: 0.363 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

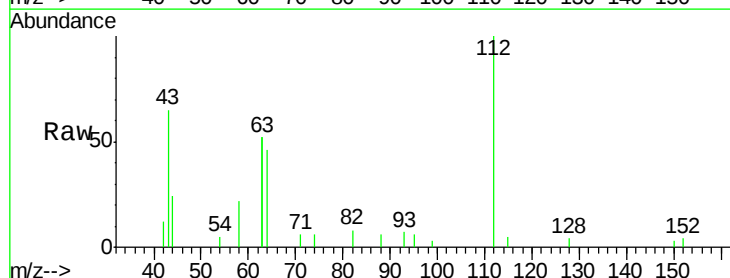
Tgt Ion:112 Resp: 2242

Ion Ratio Lower Upper

112 100

64 56.2 47.4 71.0

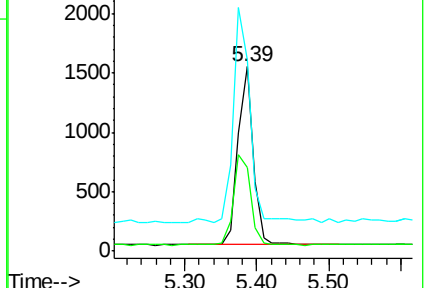
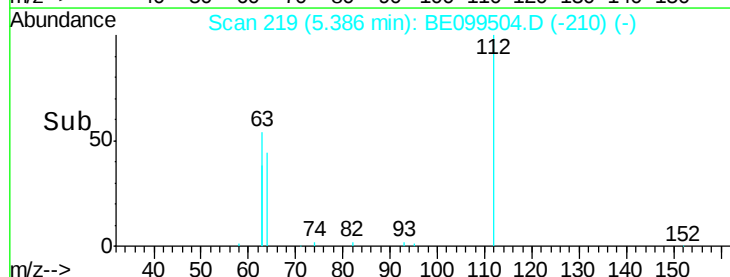
63 128.1 104.3 156.5

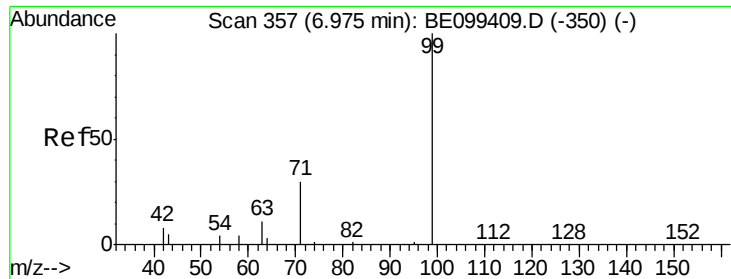


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.383 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

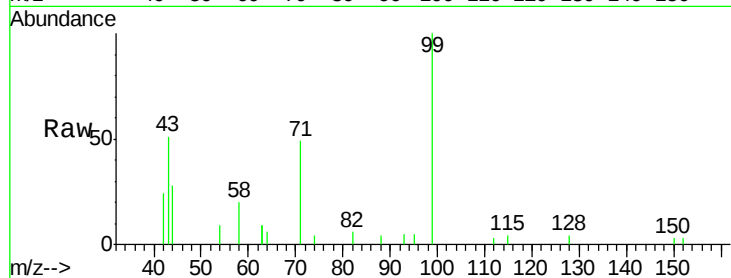
Tot Ion: 99 Resp: 3150

Ion Ratio Lower Upper

99 100

42 20.9 14.9 22.3

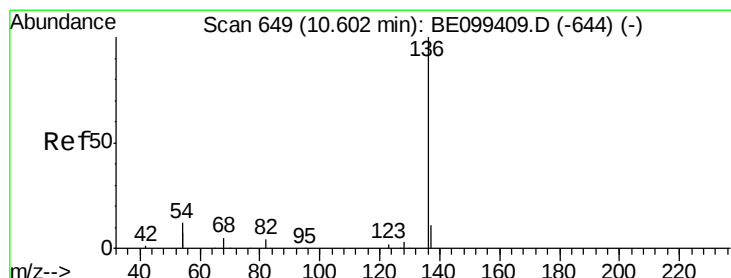
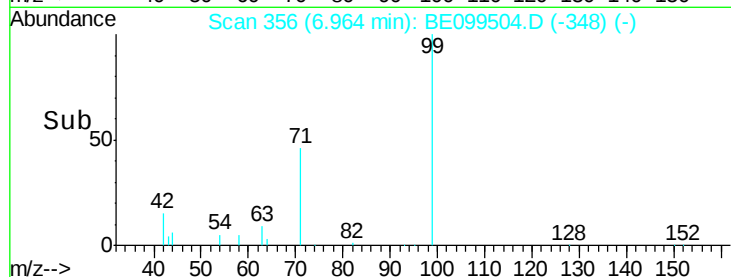
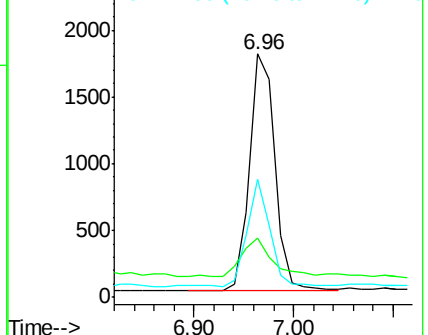
71 39.3 33.0 49.6



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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Tgt Ion: 136 Resp: 8052

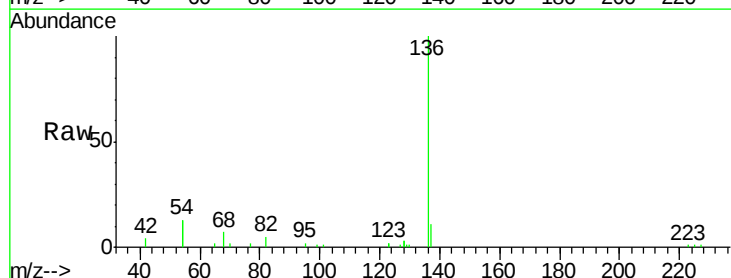
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 25.9 18.5 27.7

68 6.7 4.7 7.1

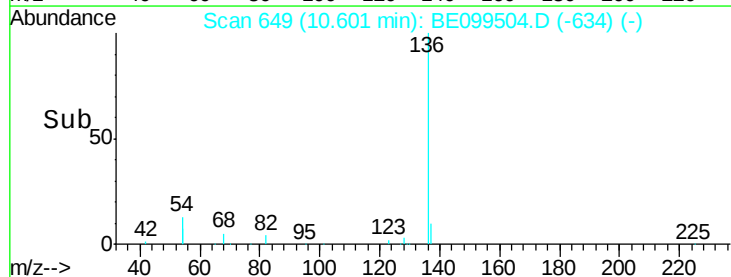
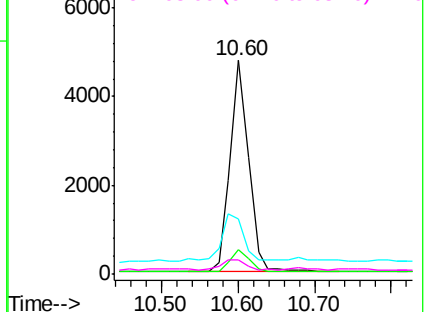


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.338 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

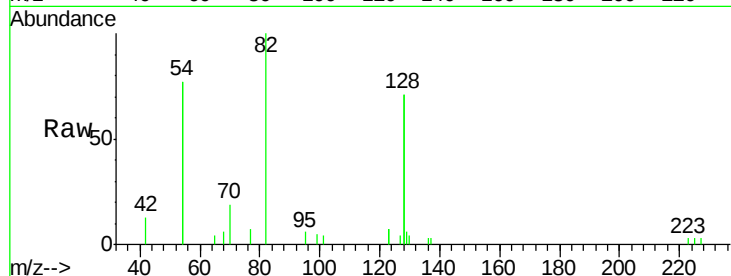
Tot Ion: 82 Resp: 2551

Ion Ratio Lower Upper

82 100

128 142.2 107.0 160.4

54 154.7 113.1 169.7

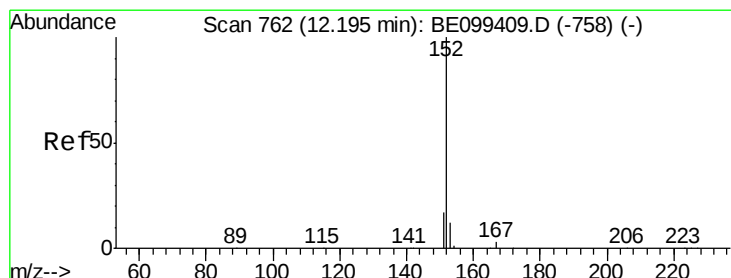
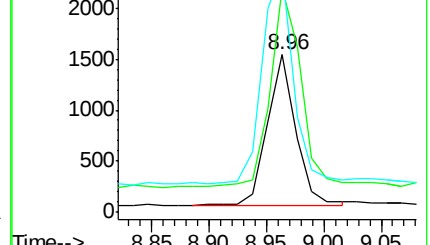
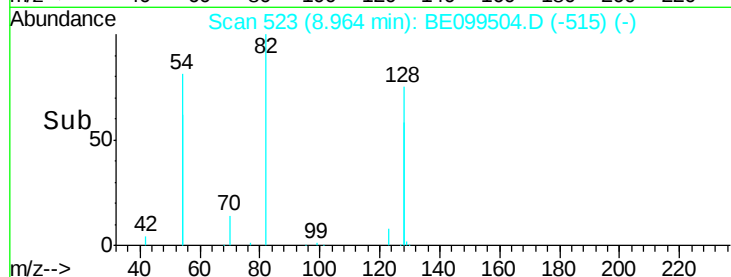


Abundance Ion 82.00 (81.70 to 82.70): BE099504.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099504.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099504.D (-515) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.311 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099504.D

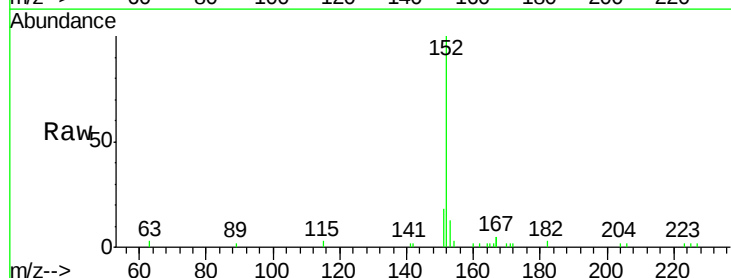
Acq: 2 May 2019 21:43

Tgt Ion: 152 Resp: 4516

Ion Ratio Lower Upper

152 100

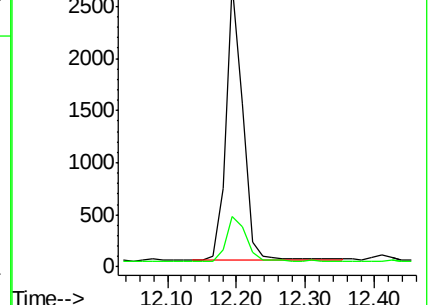
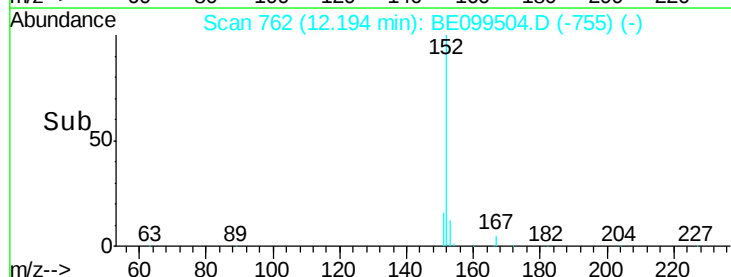
151 20.7 15.5 23.3

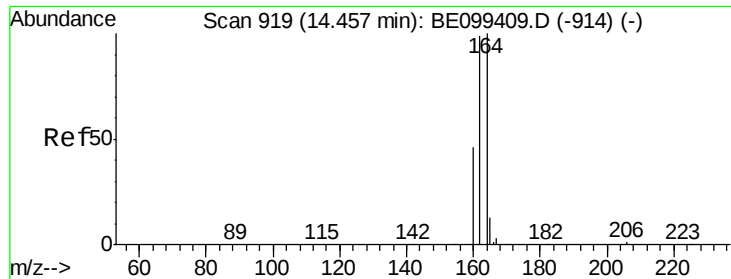


Abundance Ion 152.00 (151.70 to 152.70): BE099504.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099504.D (-755) (-)

Time-->

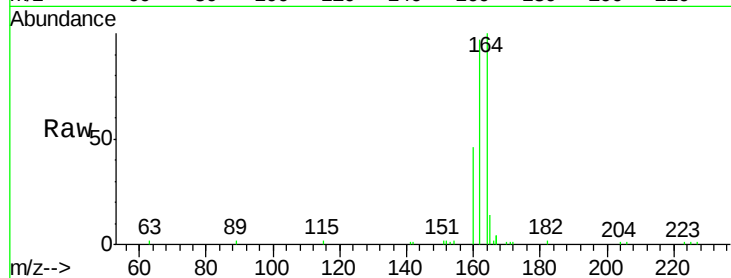




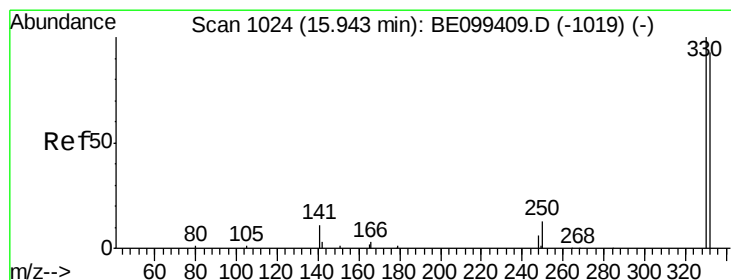
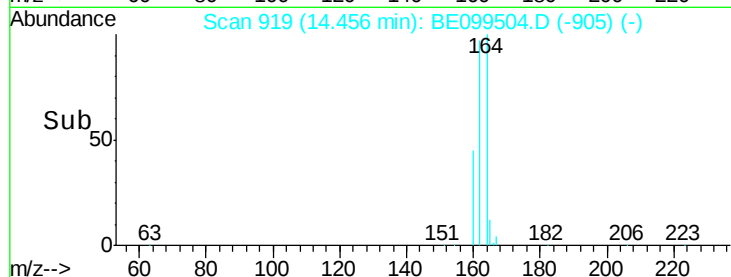
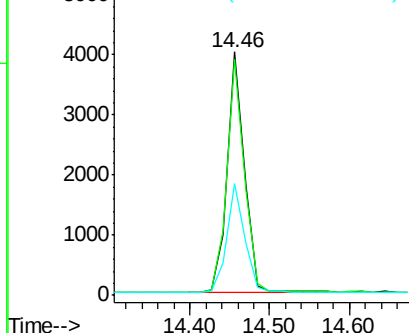
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

Tot Ion:164 Resp: 6006
Ion Ratio Lower Upper
164 100
162 97.2 79.0 118.4
160 46.2 37.0 55.4

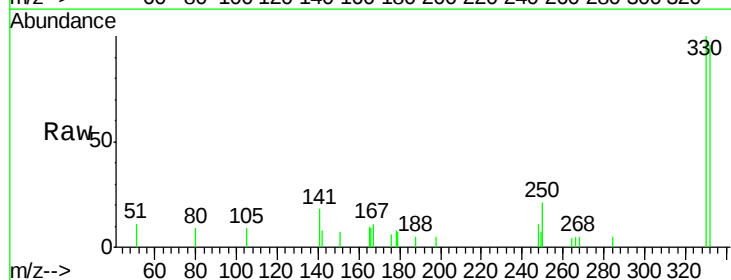


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

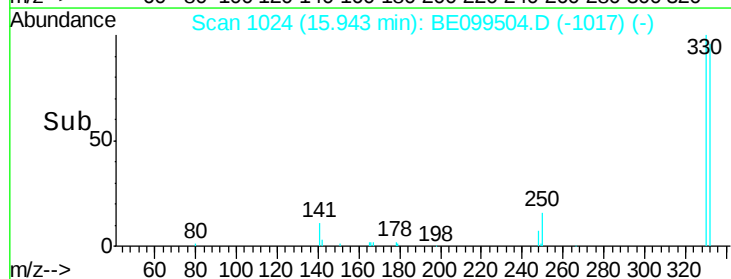
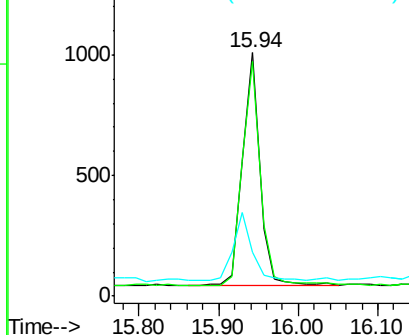


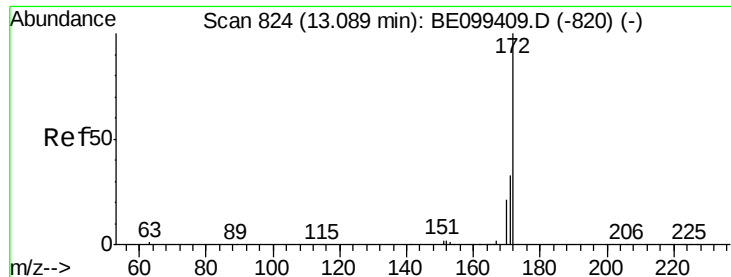
#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion:330 Resp: 1484
Ion Ratio Lower Upper
330 100
332 98.7 71.5 107.3
141 31.6 24.0 36.0



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

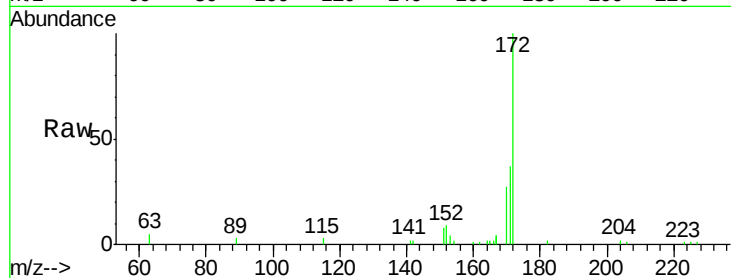




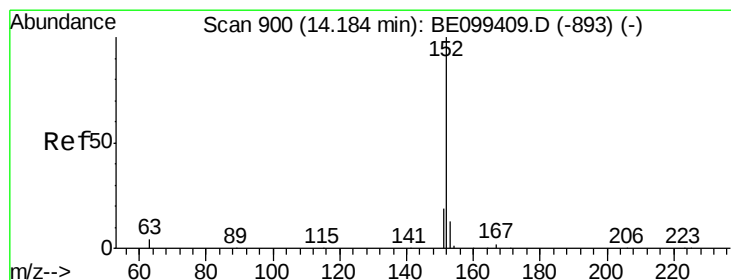
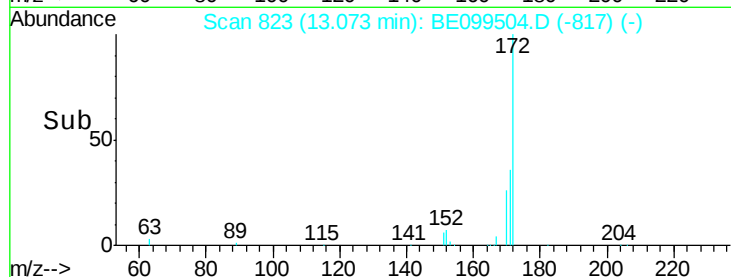
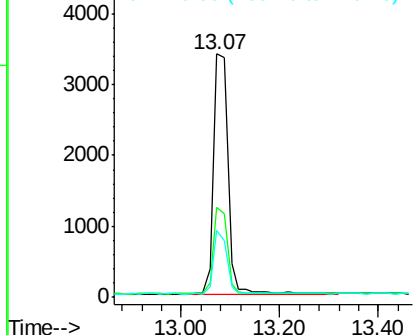
#15
 2-Fluorobiphenyl
 Concen: 0.297 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

Tot Ion:172 Resp: 6811
 Ion Ratio Lower Upper
 172 100
 171 36.8 26.6 39.8
 170 27.3 17.0 25.6#

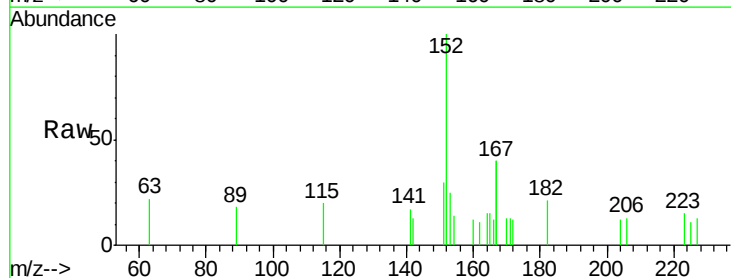


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

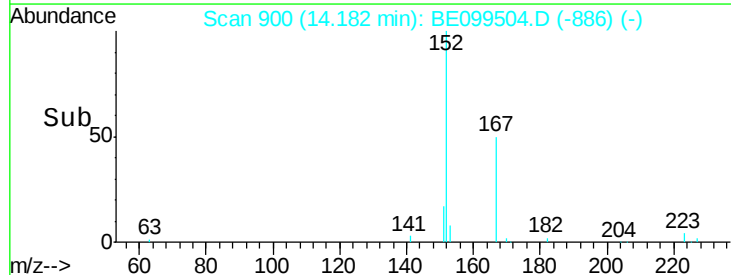
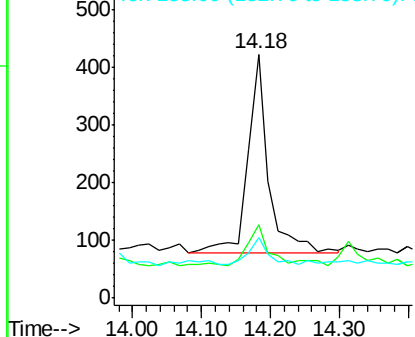


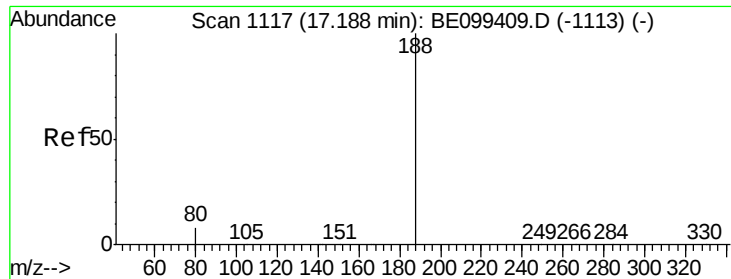
#16
 Acenaphthylene
 Concen: 0.025 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Tgt Ion:152 Resp: 725
 Ion Ratio Lower Upper
 152 100
 151 22.6 15.4 23.2
 153 12.1 9.8 14.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

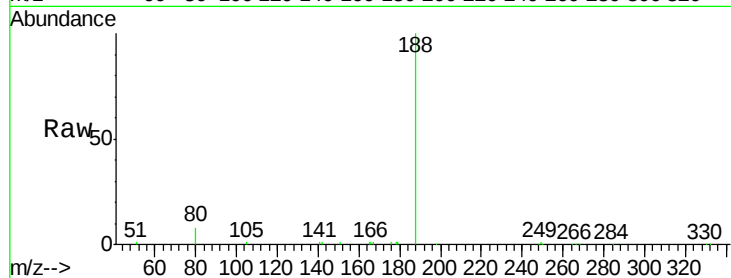
Tot Ion:188 Resp: 18780

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 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

15000

10000

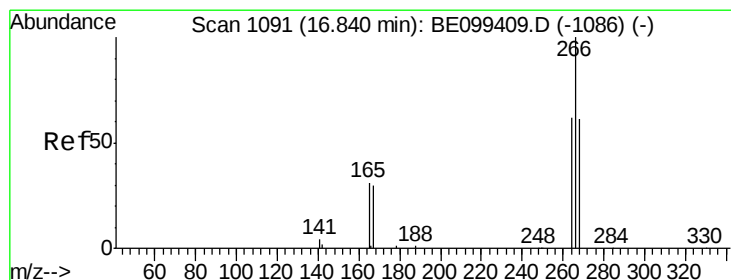
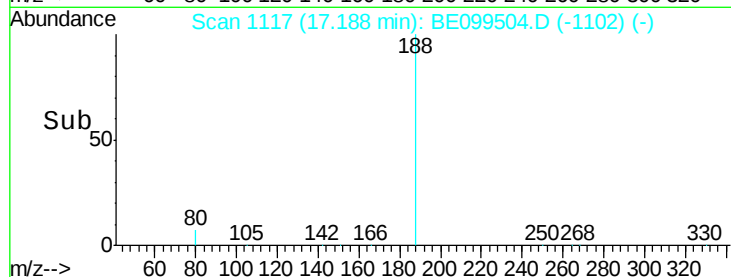
5000

0

17.19

17.10 17.20

Time-->



#22

Pentachlorophenol

Concen: 0.221 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

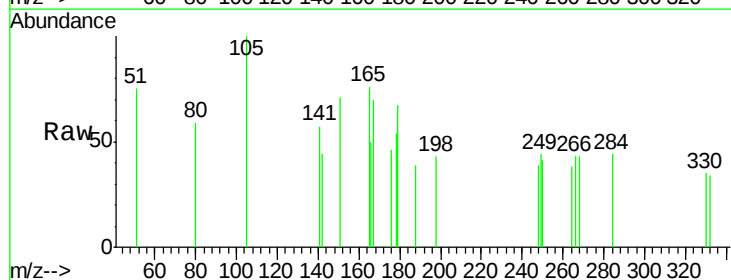
Tgt Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 87.9 50.8 76.2#

268 100.0 50.5 75.7#



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

80

60

40

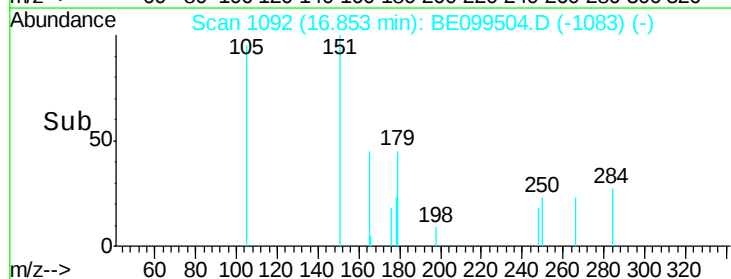
20

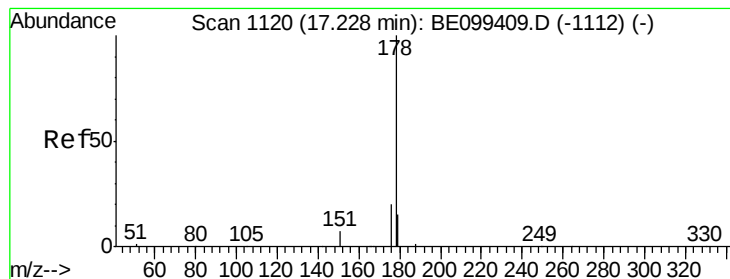
0

16.85

16.80

Time-->





#23

Phenanthrene

Concen: 0.044 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

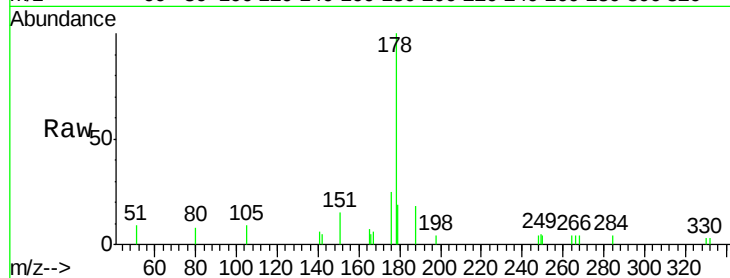
Tot Ion:178 Resp: 2141

Ion Ratio Lower Upper

178 100

176 21.3 15.6 23.4

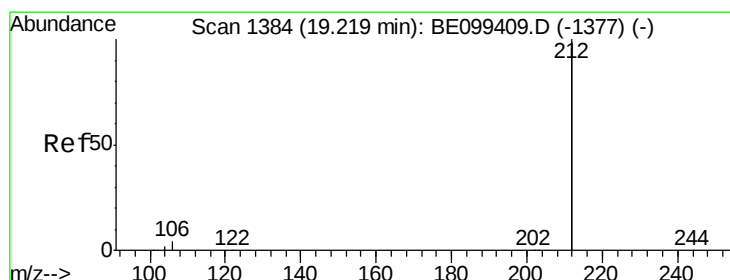
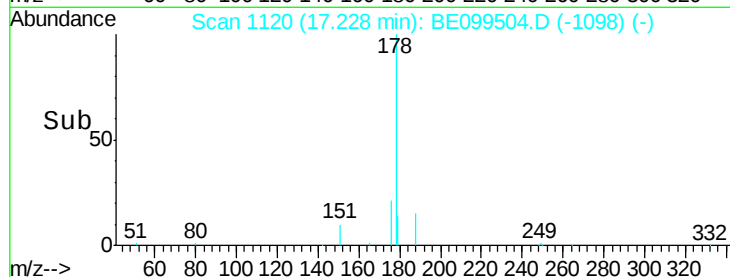
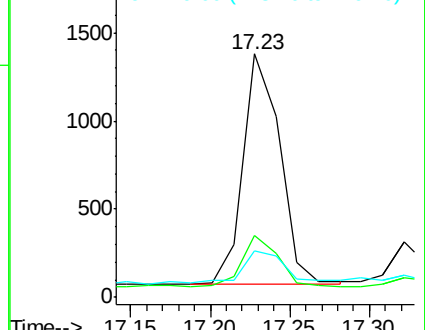
179 16.6 12.0 18.0



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: 0.320 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

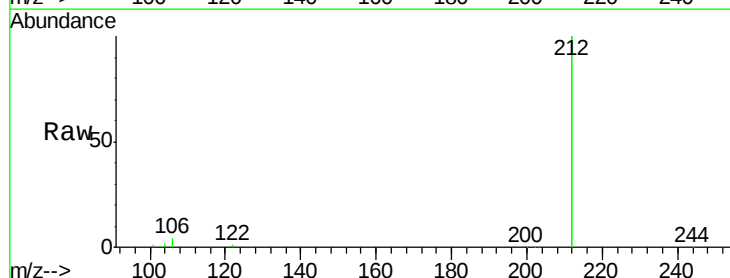
Tgt Ion:212 Resp: 81028

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

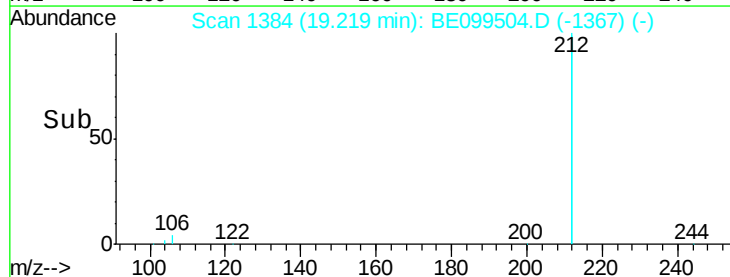
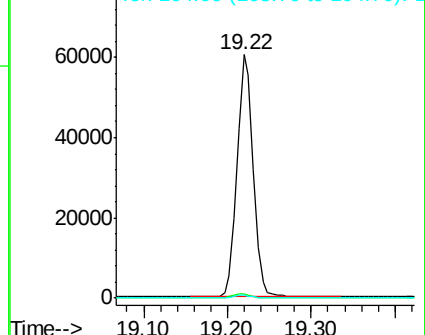
104 1.1 0.9 1.3

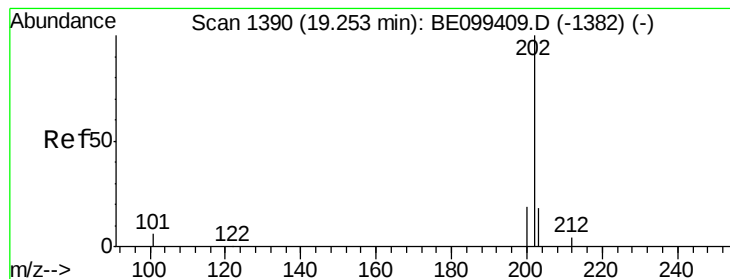


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.101 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

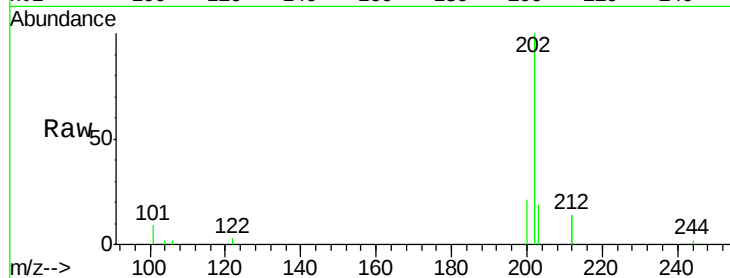
Tot Ion:202 Resp: 7347

Ion Ratio Lower Upper

202 100

101 8.1 5.4 8.0#

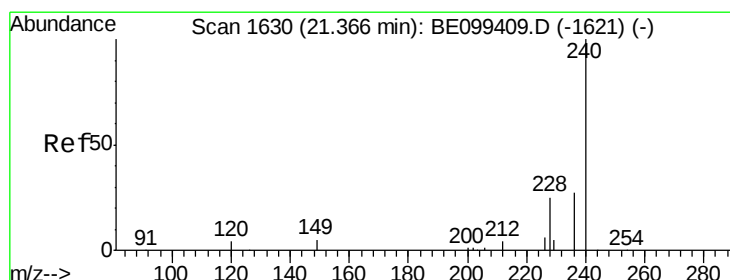
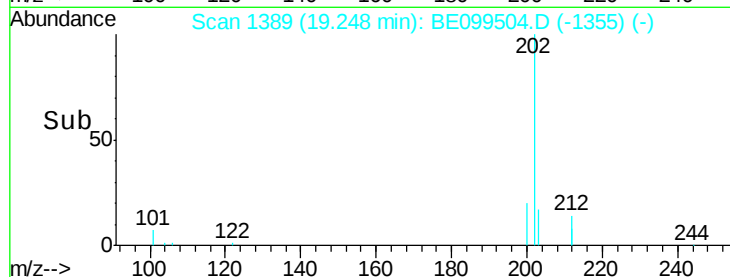
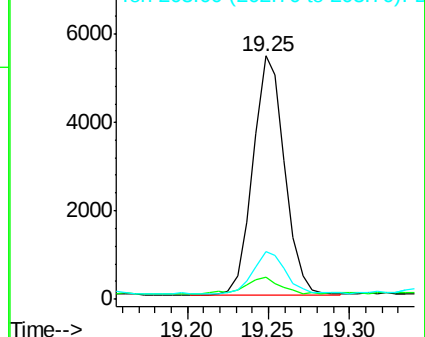
203 17.8 13.9 20.9



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: 21.36 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

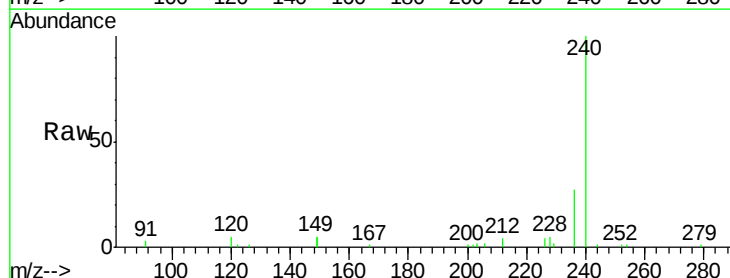
Tgt Ion:240 Resp: 25660

Ion Ratio Lower Upper

240 100

120 4.6 4.0 6.0

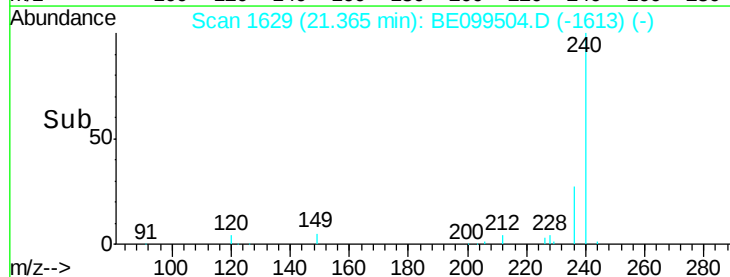
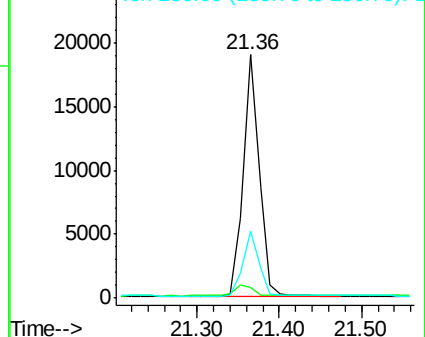
236 27.5 22.0 33.0

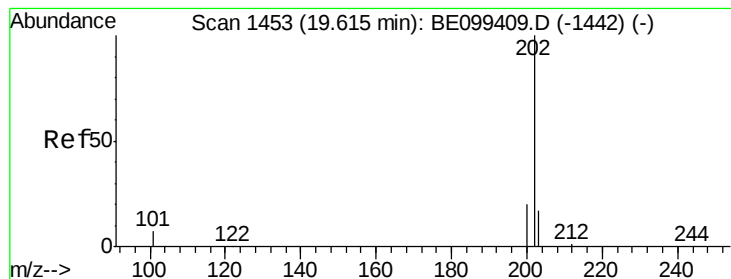


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.124 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

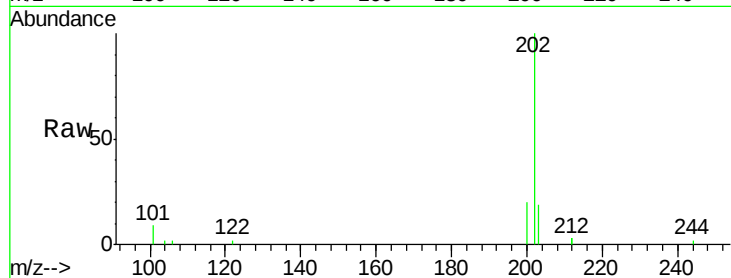
Tot Ion:202 Resp: 8282

Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

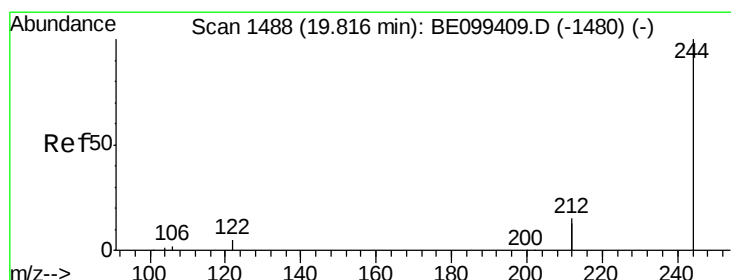
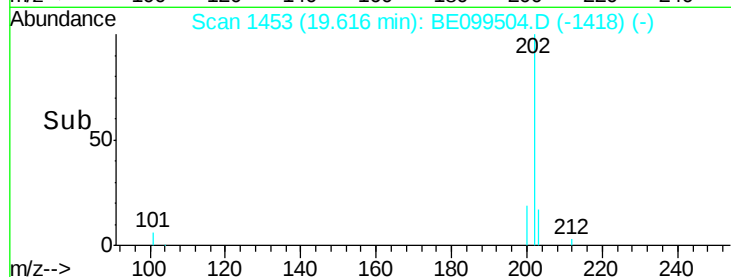
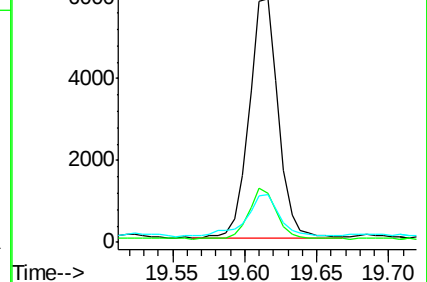
203 20.5 13.9 20.9



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: 0.333 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

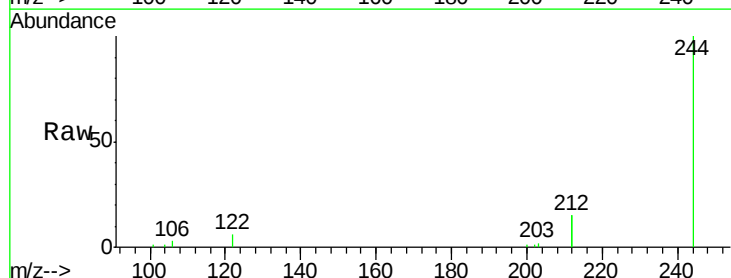
Tgt Ion:244 Resp: 15634

Ion Ratio Lower Upper

244 100

212 29.0 23.2 34.8

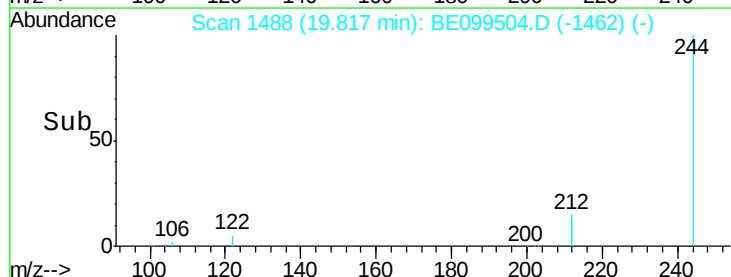
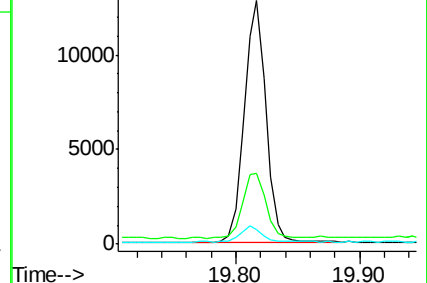
122 6.0 4.2 6.4

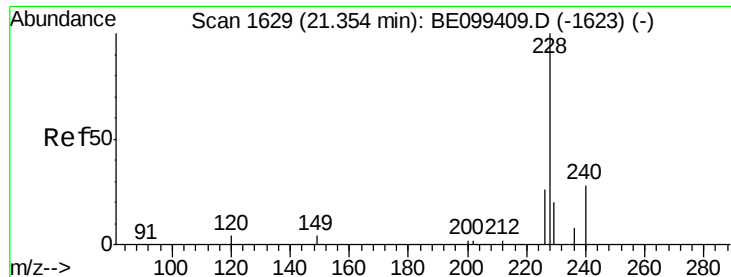


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.067 ng

RT: 21.35 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

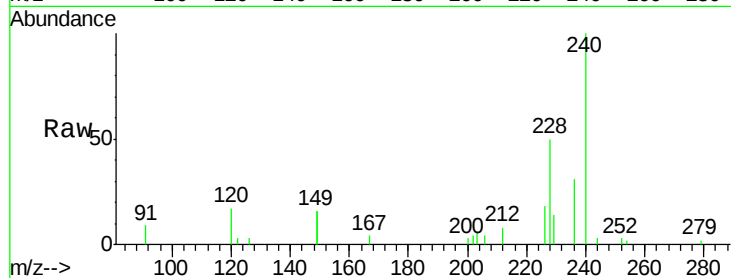
Tot Ion:228 Resp: 5515

Ion Ratio Lower Upper

228 100

226 35.3 21.0 31.6#

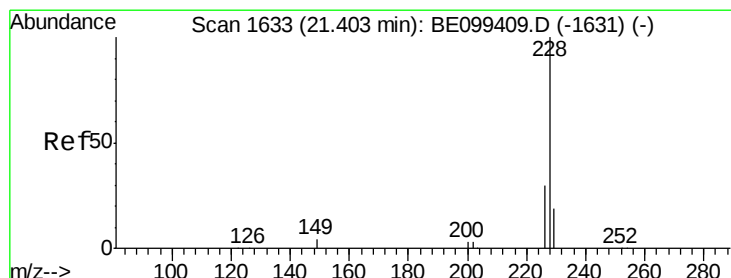
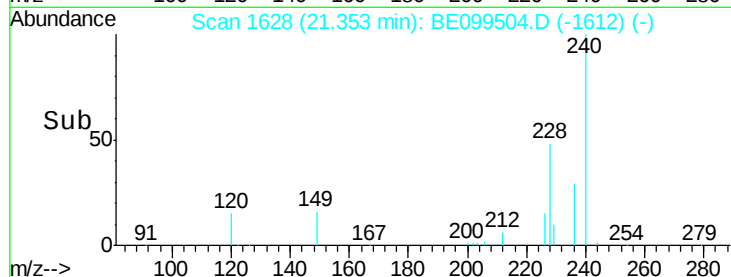
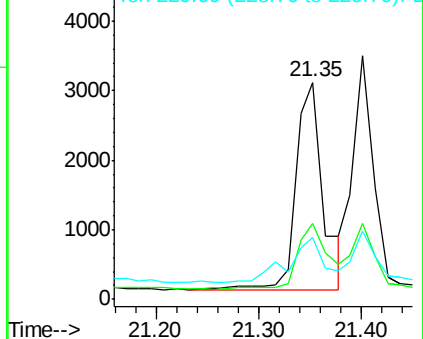
229 28.7 16.6 25.0#



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: 0.057 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

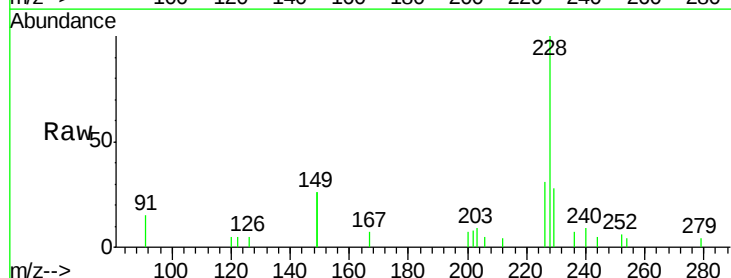
Tgt Ion:228 Resp: 4557

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

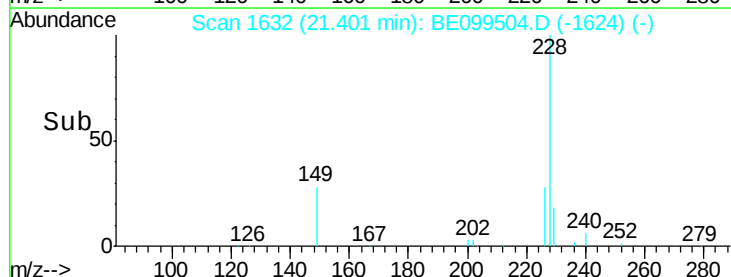
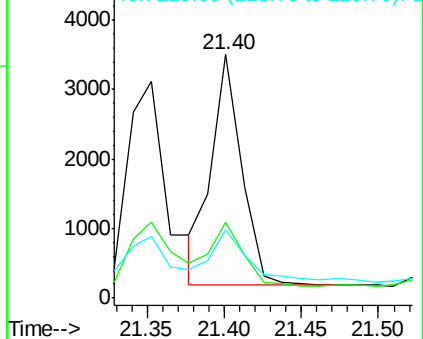
229 27.9 15.8 23.8#

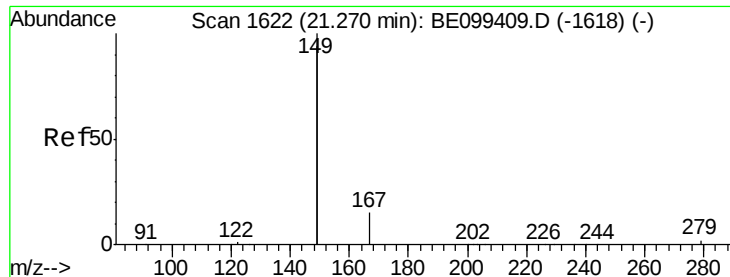


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.084 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

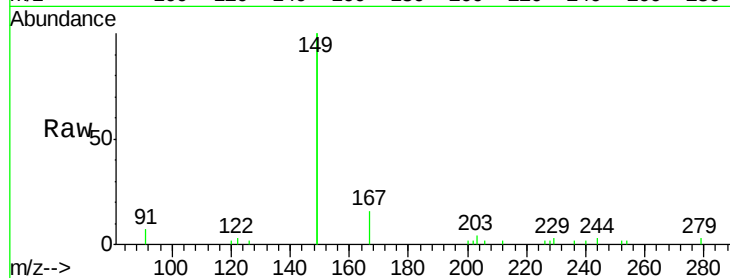
Tot Ion:149 Resp: 17970

Ion Ratio Lower Upper

149 100

167 7.0 5.8 8.6

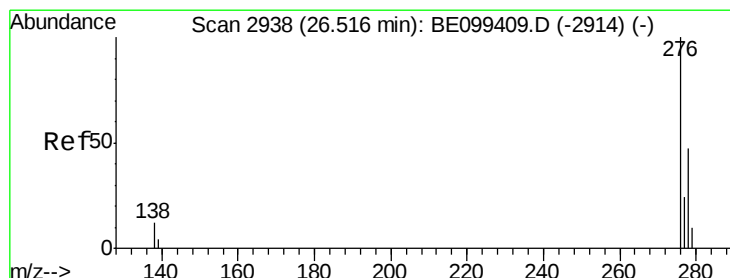
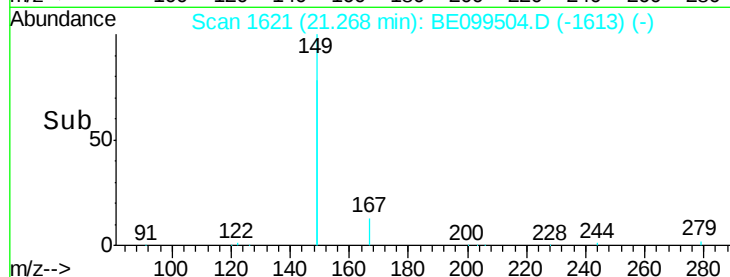
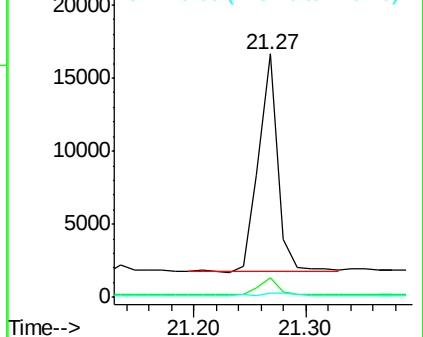
279 1.7 1.0 1.6#



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: 0.027 ng

RT: 26.51 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

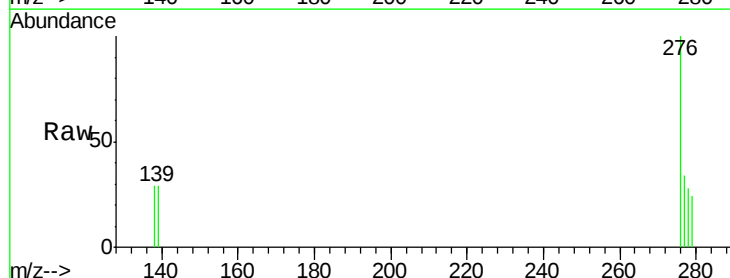
Tgt Ion:276 Resp: 2572

Ion Ratio Lower Upper

276 100

138 5.5 10.2 15.2#

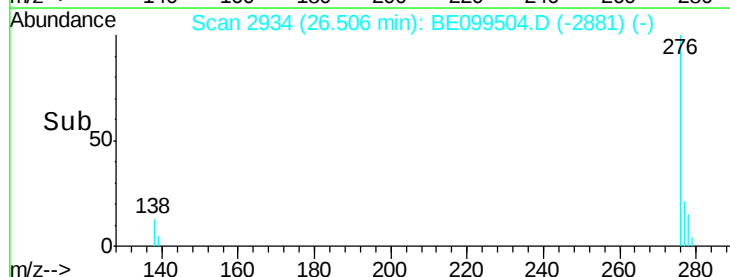
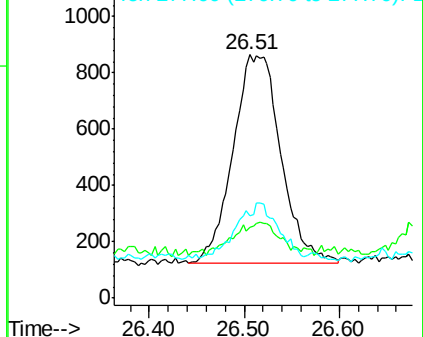
277 23.4 19.2 28.8

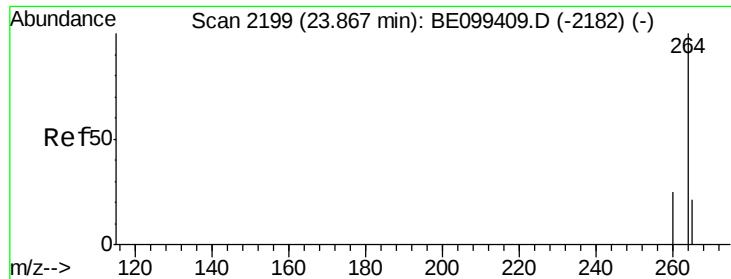


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

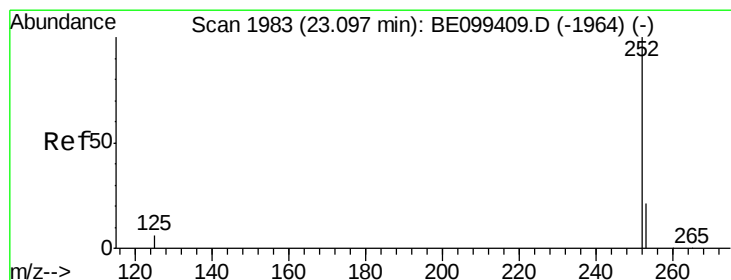
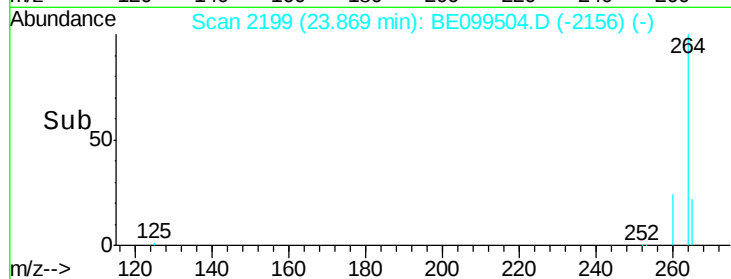
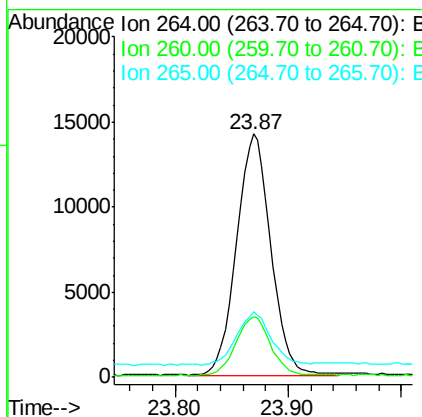
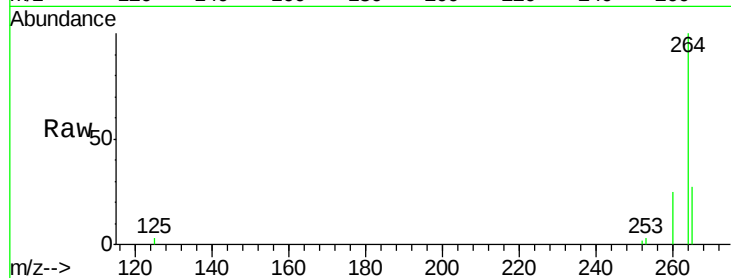




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

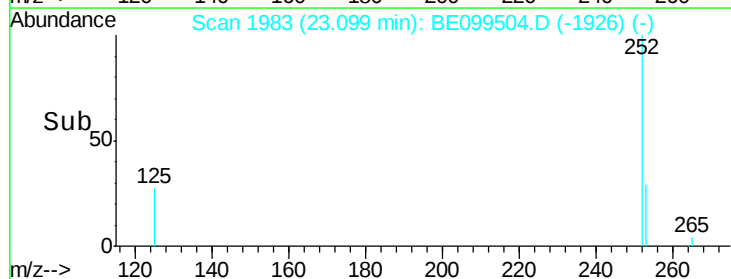
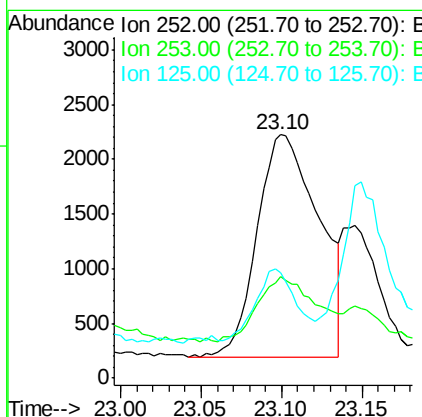
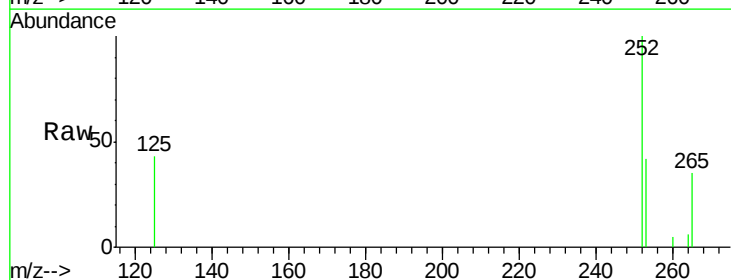
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW016-042419

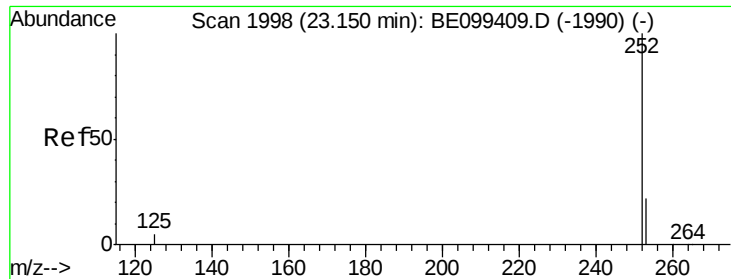
Tot Ion:264 Resp: 29907
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.2 30.2
 265 26.8 21.3 31.9



#35
 Benzo(b)fluoranthene
 Concen: 0.063 ng
 RT: 23.10 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: BE099504.D
 Acq: 2 May 2019 21:43

Tgt Ion:252 Resp: 5445
 Ion Ratio Lower Upper
 252 100
 253 41.8 18.1 27.1#
 125 43.1 5.6 8.4#

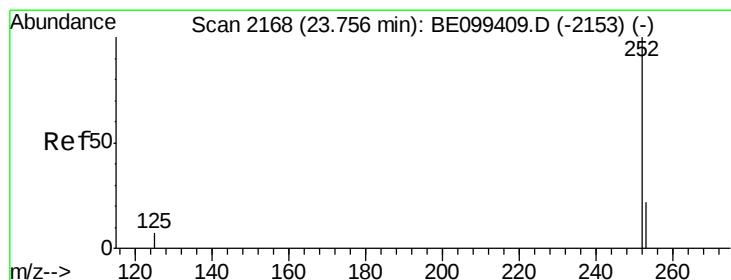
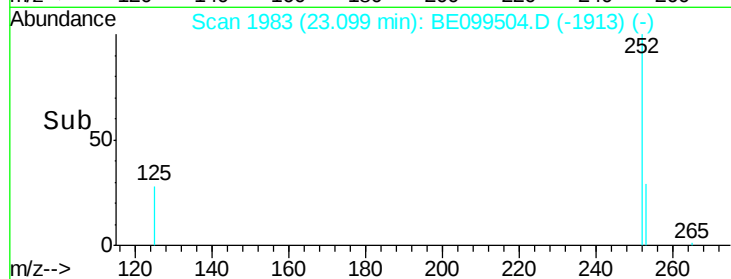
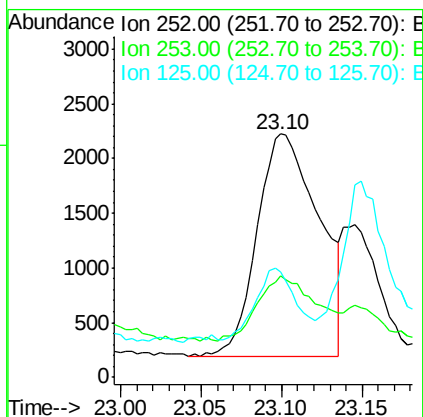
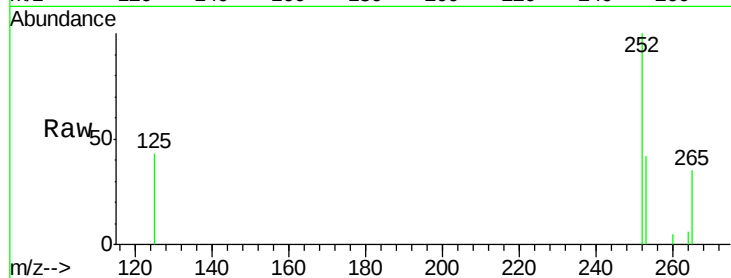




#36
Benzo(k)fluoranthene
Concen: 0.065 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.05 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

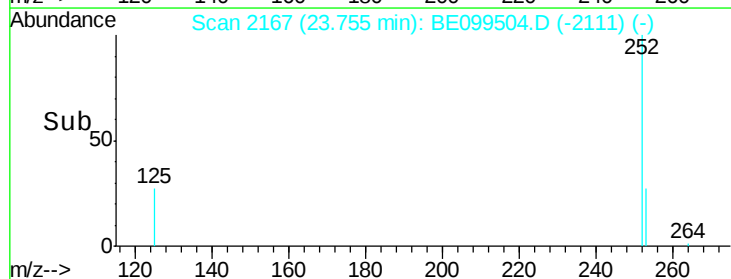
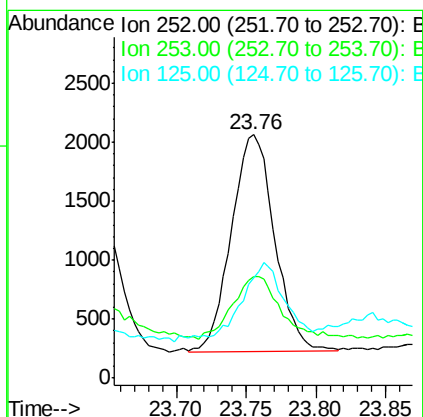
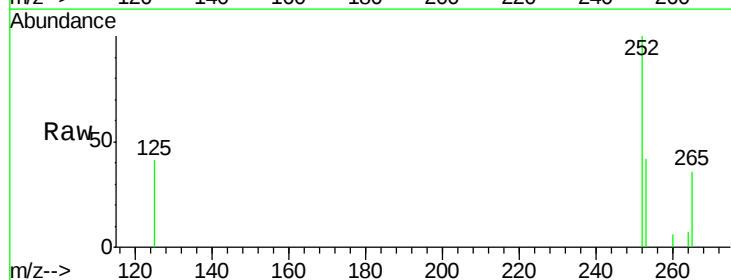
Instrument :
BNA_E
ClientSampleId :
PST-001-SW016-042419

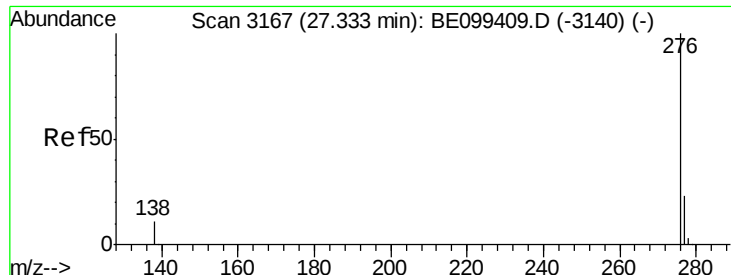
Tot Ion:252 Resp: 5445
Ion Ratio Lower Upper
252 100
253 41.8 18.4 27.6#
125 43.1 5.0 7.4#



#37
Benzo(a)pyrene
Concen: 0.048 ng
RT: 23.76 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099504.D
Acq: 2 May 2019 21:43

Tgt Ion:252 Resp: 3954
Ion Ratio Lower Upper
252 100
253 41.8 18.9 28.3#
125 41.2 6.7 10.1#





#39

Benzo(a,h,i)perylene

Concen: 0.030 ng

RT: 27.33 min Scan# 3166

Delta R.T. 0.00 min

Lab File: BE099504.D

Acq: 2 May 2019 21:43

Instrument :

BNA_E

ClientSampleId :

PST-001-SW016-042419

Tot Ion: 276 Resp: 2523

Ion Ratio Lower Upper

276 100

277 34.0 19.5 29.3#

138 27.4 9.6 14.4#

