

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099427.D
 Acq On : 30 Apr 2019 15:33
 Operator : JU/SJ
 Sample : K2587-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B163-042319

Quant Time: Apr 30 23:58:18 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	2686	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9299	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6293	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19541	0.40	ng	0.00
27) Chrysene-d12	21.37	240	31902	0.40	ng	0.00
34) Perylene-d12	23.86	264	38916	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2950	0.40	ng	0.00
5) Phenol-d6	6.96	99	4243	0.43	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3146	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6041	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1459	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	8922	0.37	ng	-0.02
25) Fluoranthene-d10	19.22	212	96608	0.37	ng	0.00
29) Terphenyl-d14	19.81	244	20333	0.35	ng	0.00

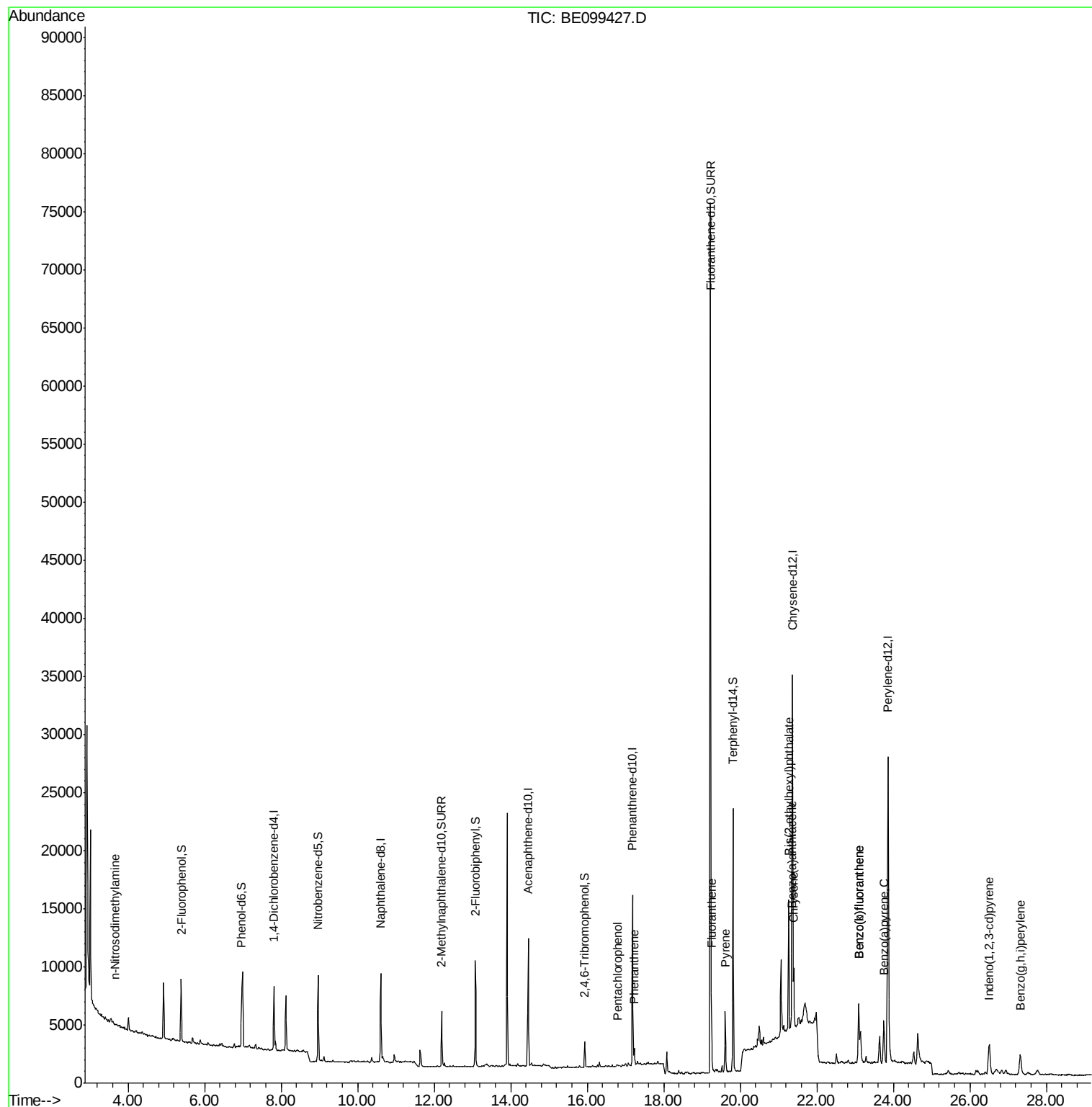
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	50	0.022	ng	# 1
22) Pentachlorophenol	16.79	266	2	0.216	ng	# 70
23) Phenanthrene	17.23	178	1318	0.026	ng	# 92
26) Fluoranthene	19.25	202	4685	0.062	ng	# 98
28) Pyrene	19.61	202	4808	0.058	ng	# 95
30) Benzo(a)anthracene	21.34	228	4259	0.042	ng	# 90
31) Chrysene	21.40	228	5146	0.052	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.27	149	15181	0.034	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.51	276	4686	0.040	ng	# 96
35) Benzo(b)fluoranthene	23.09	252	8125	0.072	ng	# 58
36) Benzo(k)fluoranthene	23.09	252	8125	0.075	ng	# 59
37) Benzo(a)pyrene	23.75	252	5157	0.049	ng	# 57
39) Benzo(a,h,i)perylene	27.32	276	4770	0.044	ng	# 87

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

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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: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

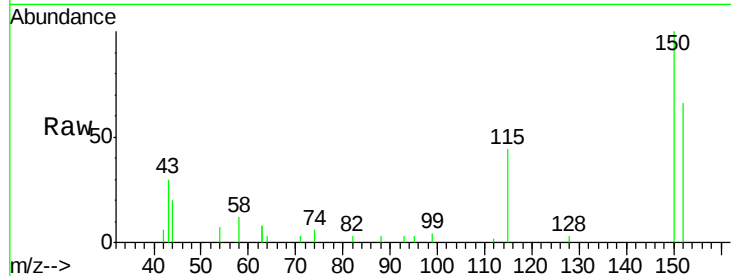
Tot Ion:152 Resp: 2686

Ion Ratio Lower Upper

152 100

150 152.3 104.8 157.2

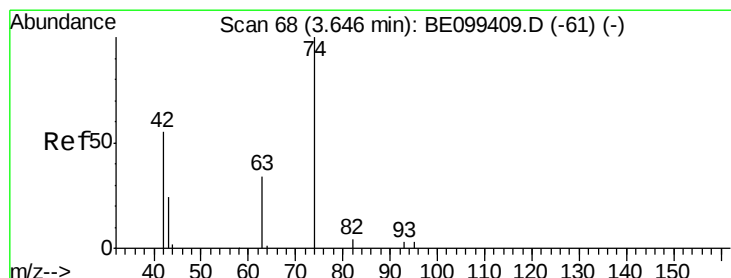
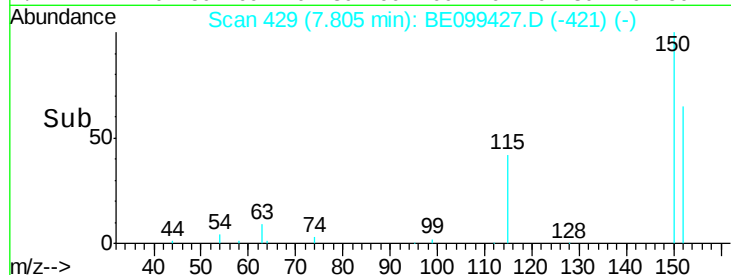
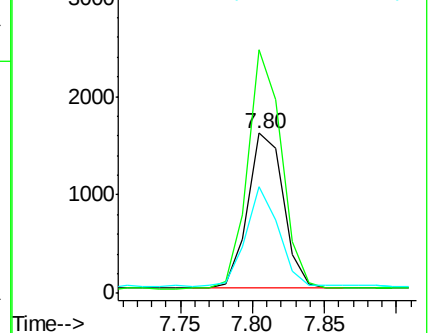
115 67.1 46.6 69.8



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



#3

n-Nitrosodimethylamine

Concen: 0.022 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

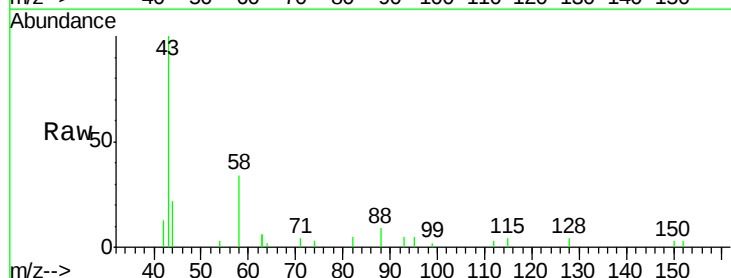
Tgt Ion: 42 Resp: 50

Ion Ratio Lower Upper

42 100

74 0.0 141.6 212.4#

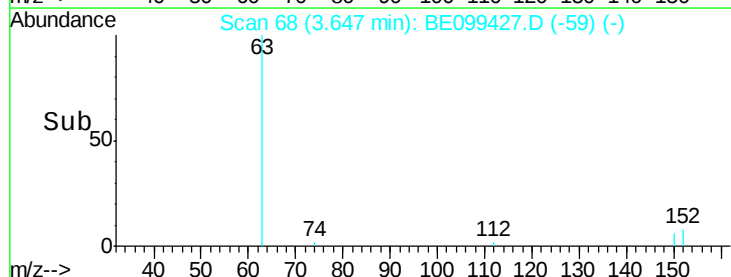
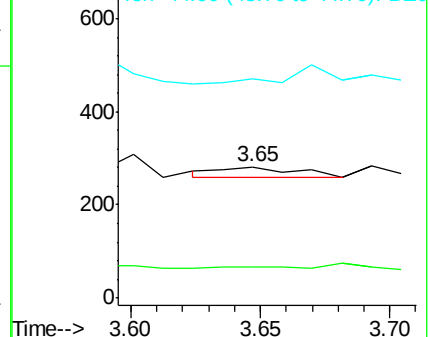
44 0.0 0.0 0.0

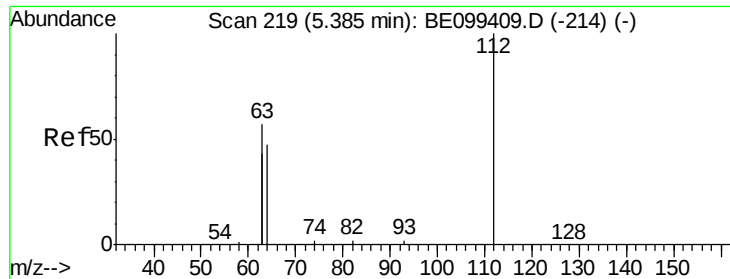


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.397 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

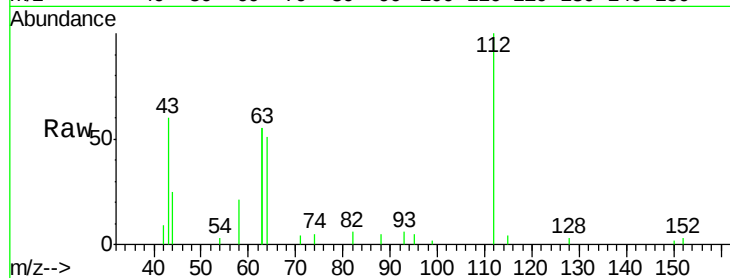
Tot Ion:112 Resp: 2950

Ion Ratio Lower Upper

112 100

64 56.4 47.4 71.0

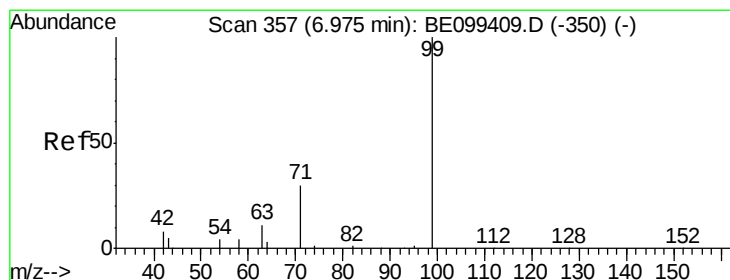
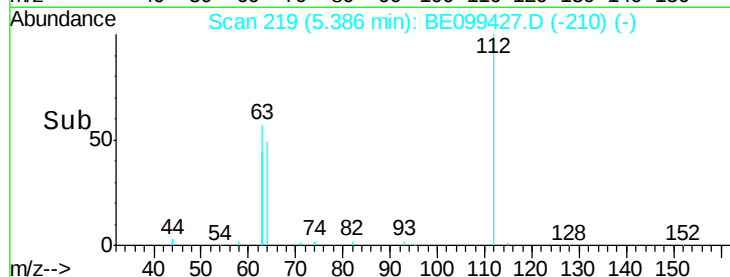
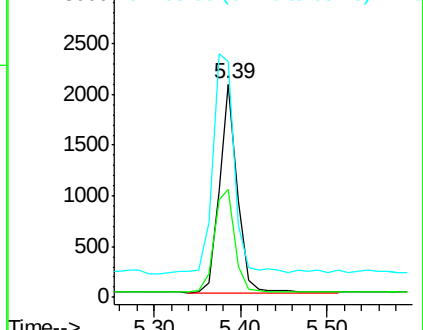
63 128.6 104.3 156.5



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: 0.430 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

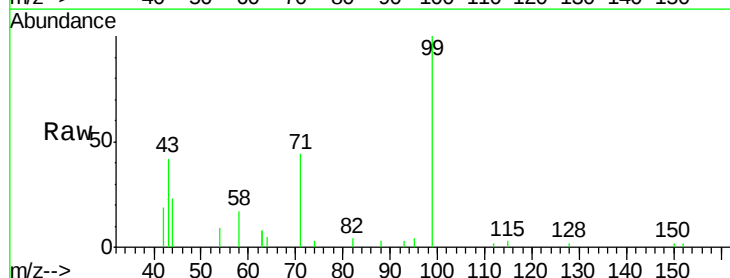
Tgt Ion: 99 Resp: 4243

Ion Ratio Lower Upper

99 100

42 16.8 14.9 22.3

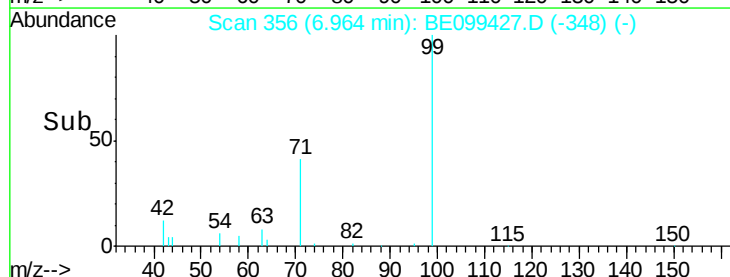
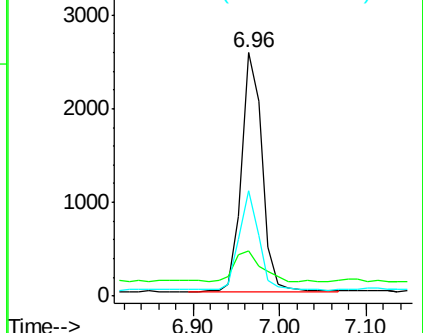
71 40.3 33.0 49.6

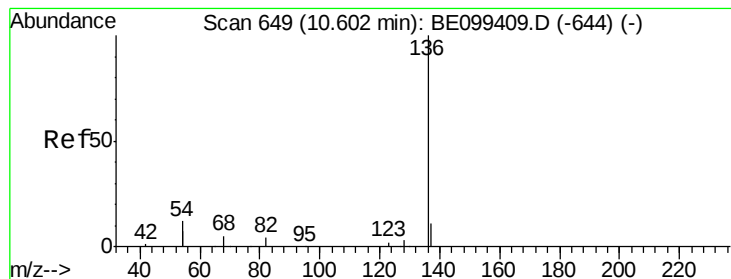


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

Tot Ion:136 Resp: 9299

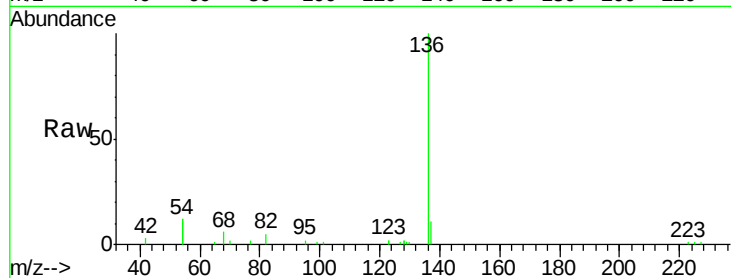
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.8

54 23.3 18.5 27.7

68 5.9 4.7 7.1

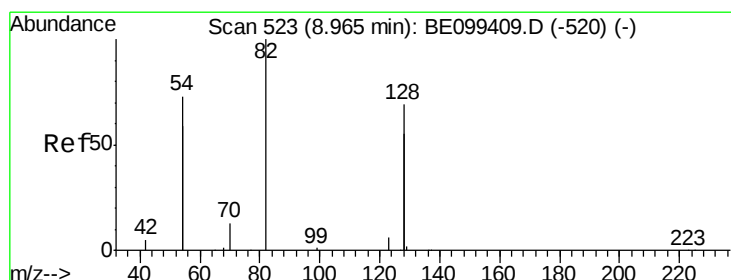
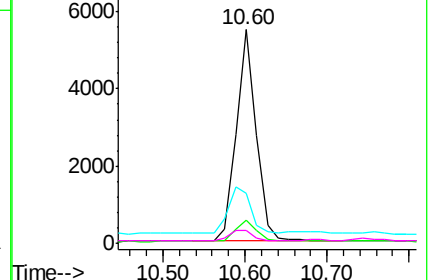
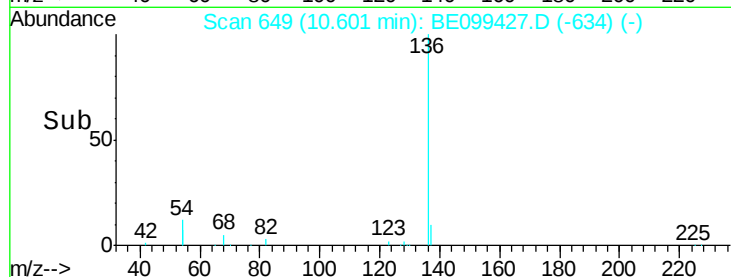


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.361 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

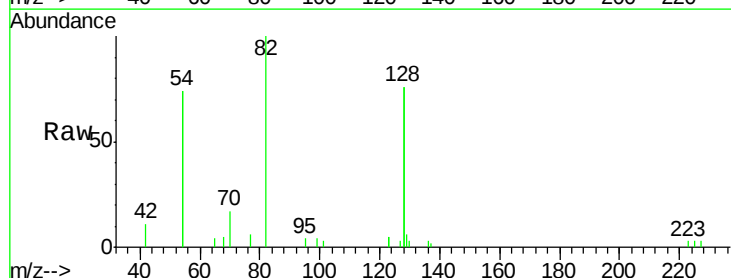
Tgt Ion: 82 Resp: 3146

Ion Ratio Lower Upper

82 100

128 151.6 107.0 160.4

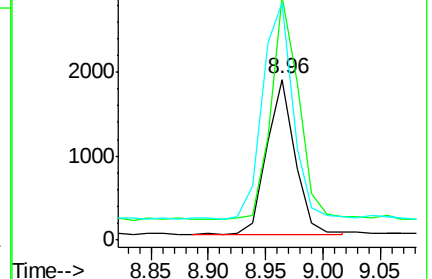
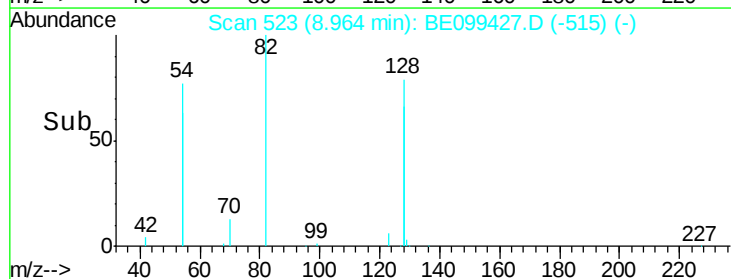
54 147.8 113.1 169.7

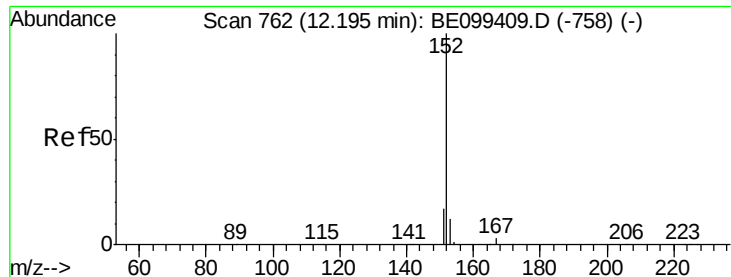


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

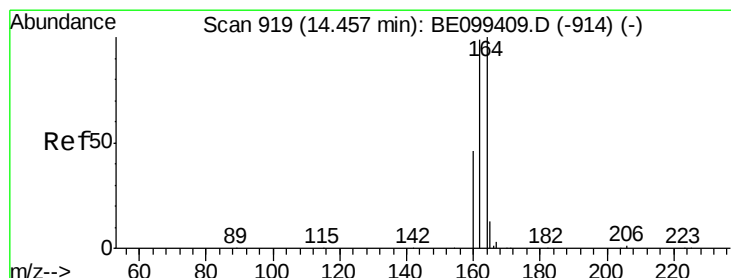
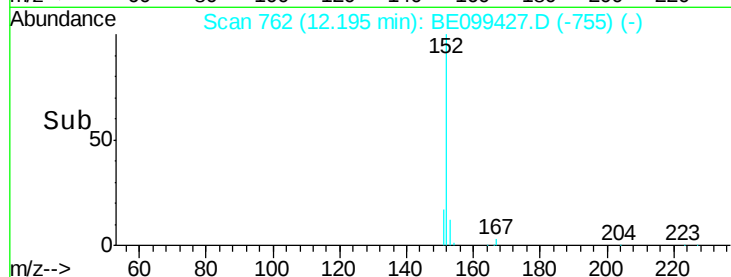
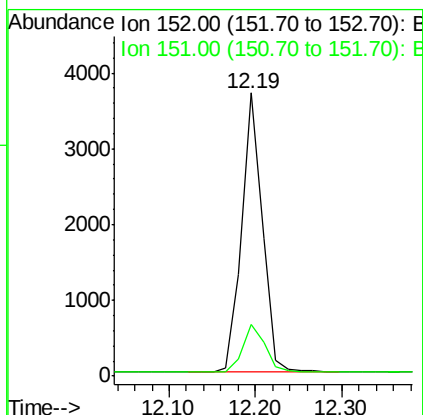
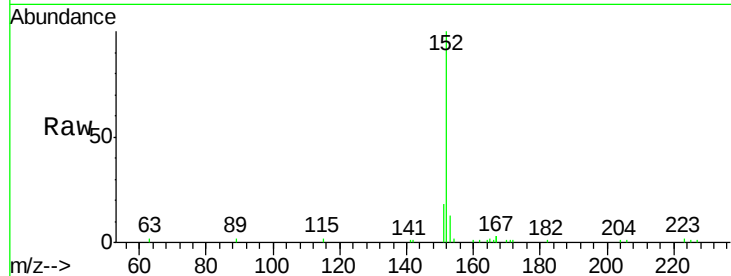




#11
 2-Methylnaphthalene-d10
 Concen: 0.361 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

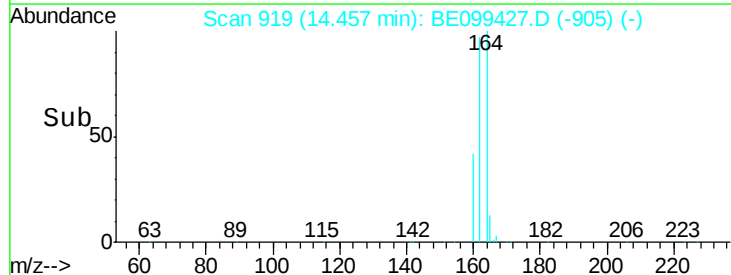
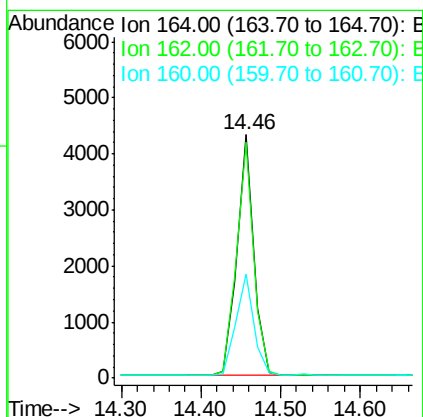
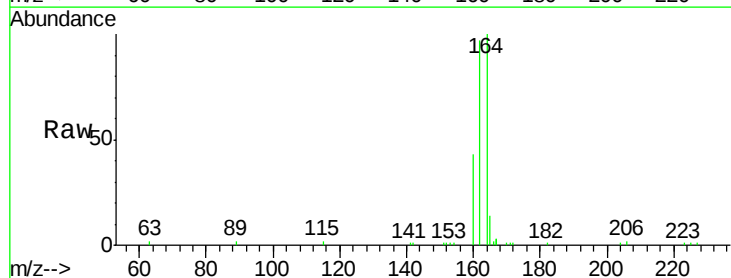
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B163-042319

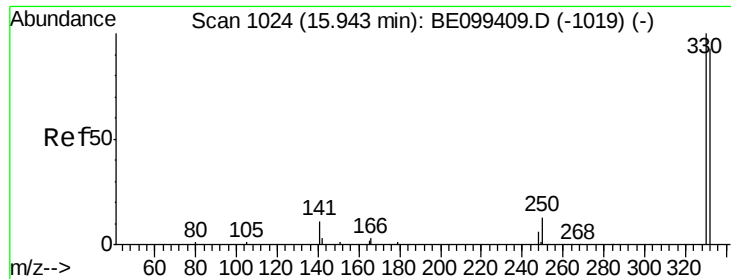
Tot Ion:152 Resp: 6041
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.5 23.3



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Tgt Ion:164 Resp: 6293
 Ion Ratio Lower Upper
 164 100
 162 97.1 79.0 118.4
 160 42.8 37.0 55.4

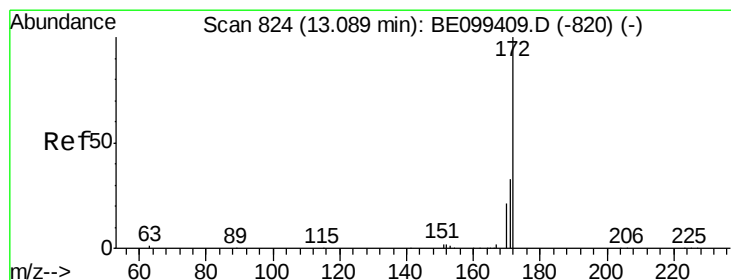
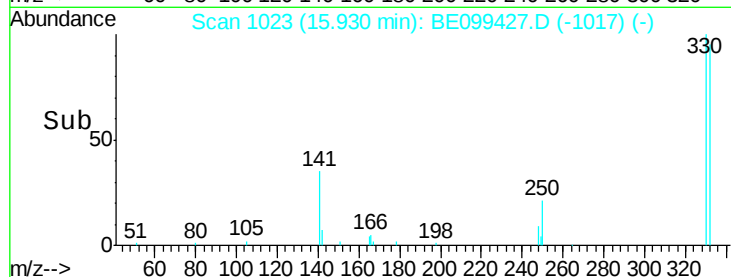
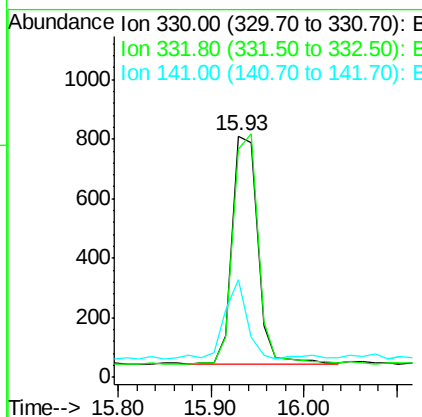
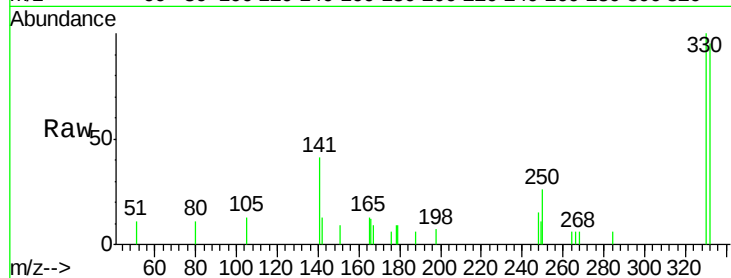




#14
 2,4,6-Tribromophenol
 Concen: 0.368 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

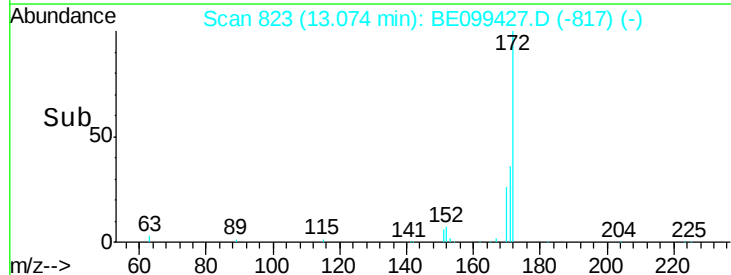
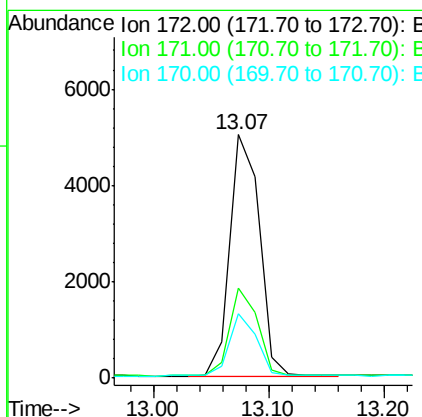
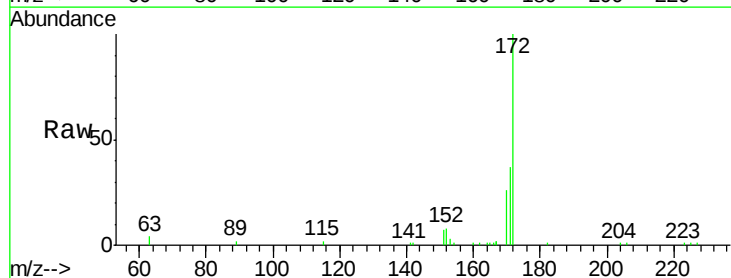
Instrument :
 BNA_E
 ClientSampleId :
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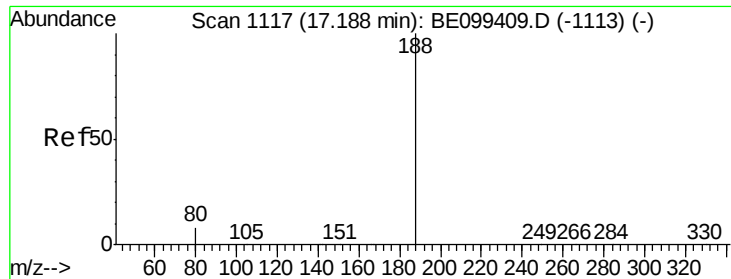
Tot Ion:330 Resp: 1459
 Ion Ratio Lower Upper
 330 100
 332 98.6 71.5 107.3
 141 29.7 24.0 36.0



#15
 2-Fluorobiphenyl
 Concen: 0.372 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099427.D
 Acq: 30 Apr 2019 15:33

Tgt Ion:172 Resp: 8922
 Ion Ratio Lower Upper
 172 100
 171 37.0 26.6 39.8
 170 26.5 17.0 25.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

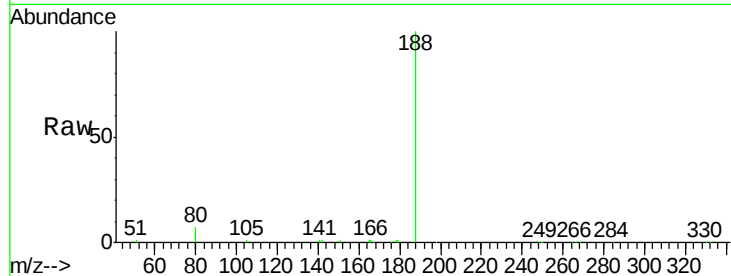
Tot Ion:188 Resp: 19541

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

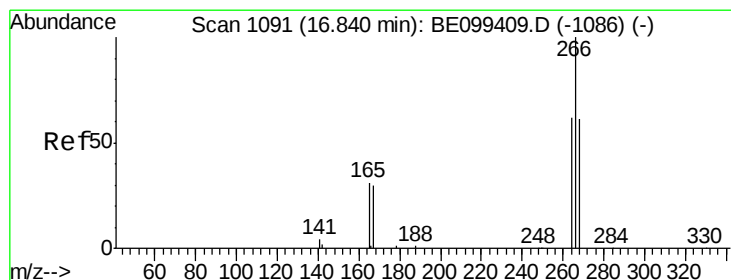
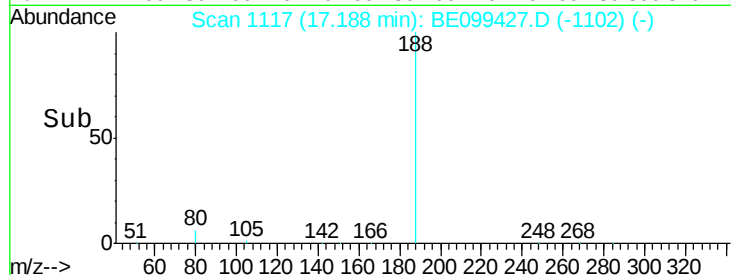
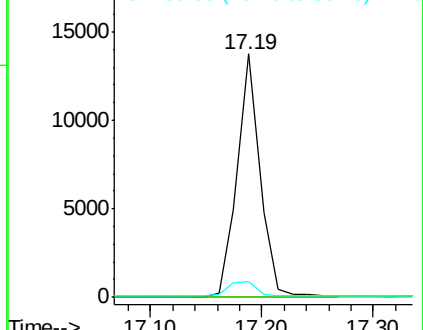
80 6.6 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.216 ng

RT: 16.79 min Scan# 1087

Delta R.T. -0.05 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

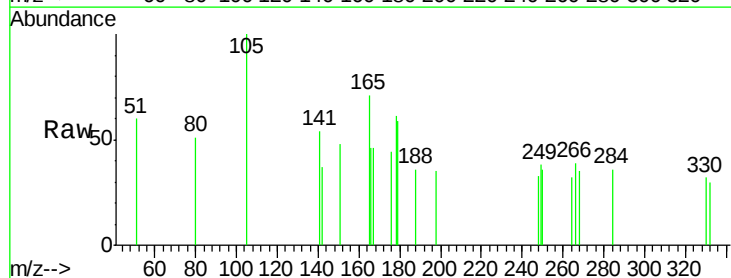
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 82.5 50.8 76.2#

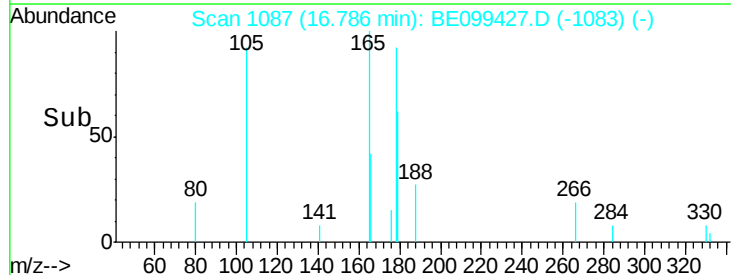
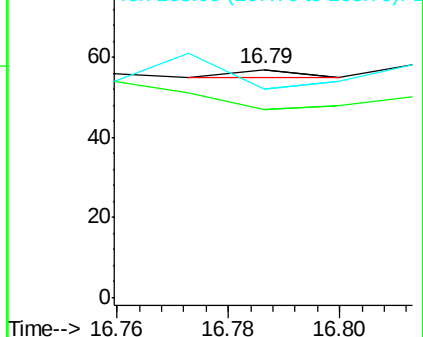
268 91.2 50.5 75.7#

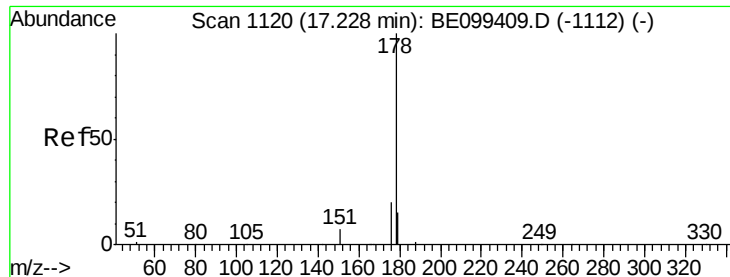


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.026 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099427.D

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Instrument :

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ClientSampleId :

PST-004-B163-042319

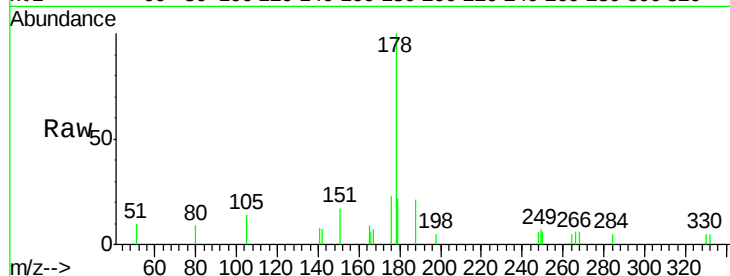
Tot Ion:178 Resp: 1318

Ion Ratio Lower Upper

178 100

176 20.9 15.6 23.4

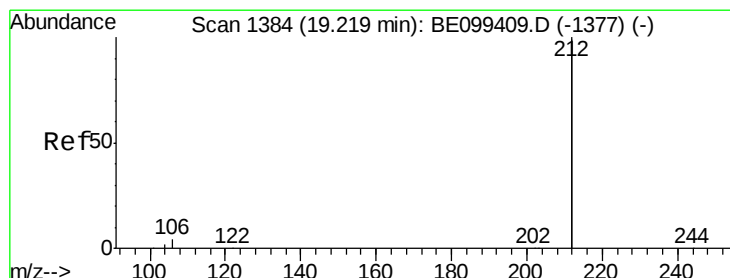
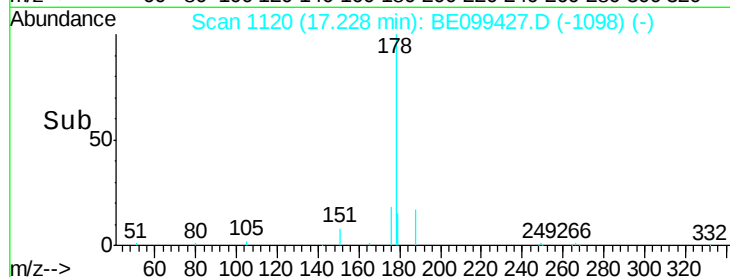
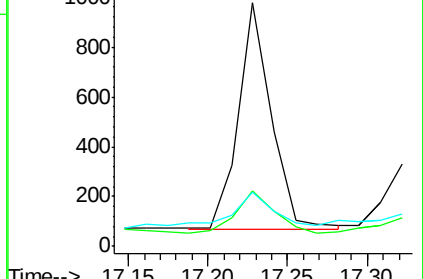
179 21.2 12.0 18.0#



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: 0.367 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

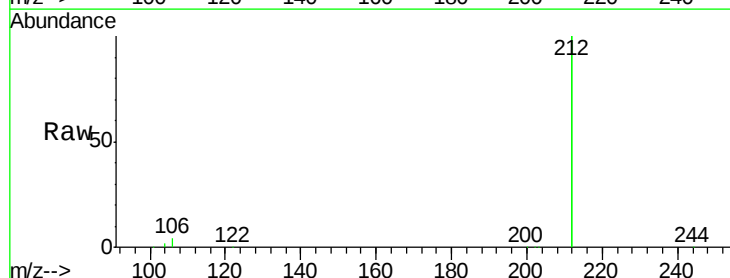
Tgt Ion:212 Resp: 96608

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

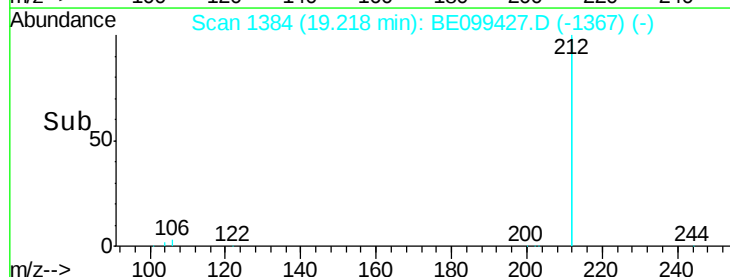
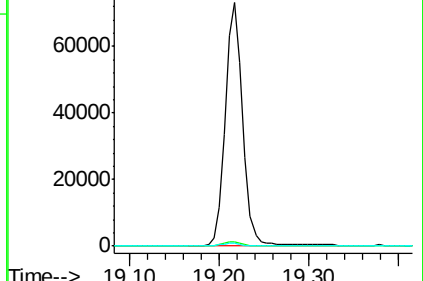
104 1.1 0.9 1.3

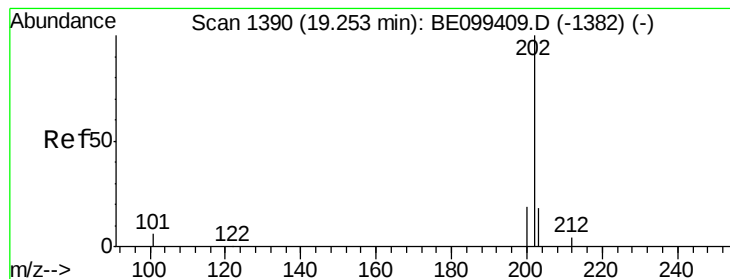


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.062 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

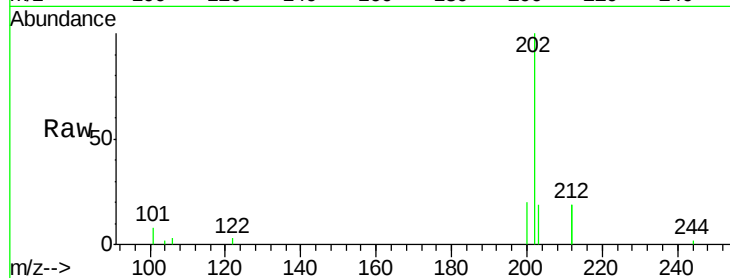
Tot Ion:202 Resp: 4685

Ion Ratio Lower Upper

202 100

101 8.8 5.4 8.0#

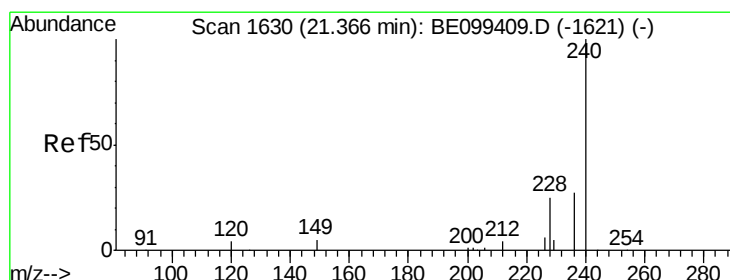
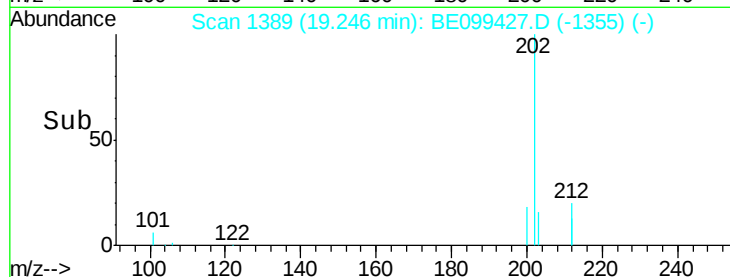
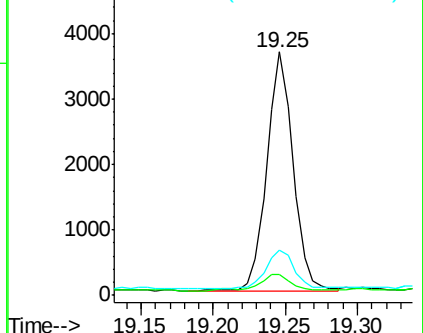
203 17.5 13.9 20.9



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: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

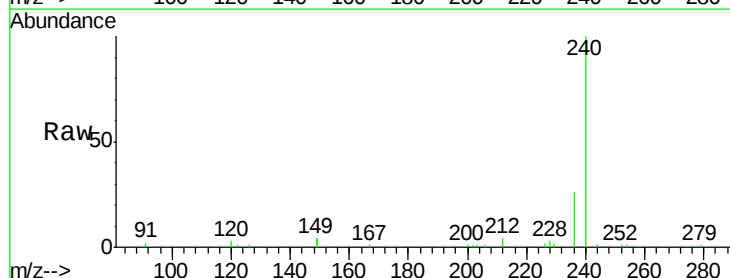
Tgt Ion:240 Resp: 31902

Ion Ratio Lower Upper

240 100

120 3.2 4.0 6.0#

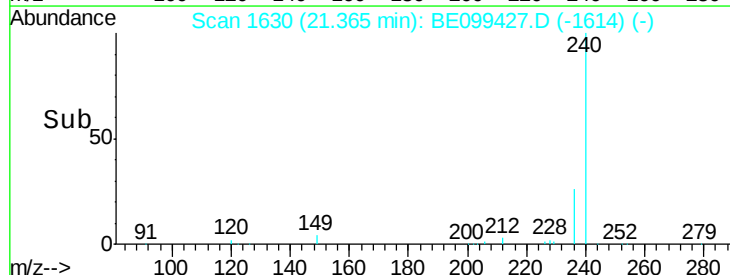
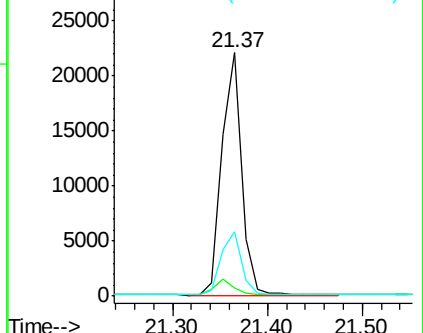
236 26.5 22.0 33.0

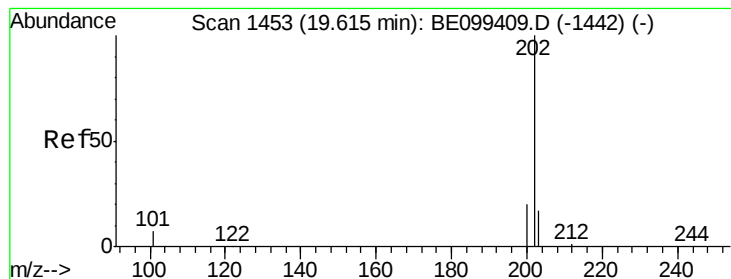


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.058 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

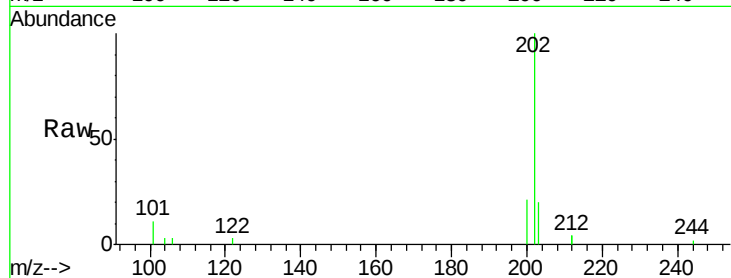
Tot Ion:202 Resp: 4808

Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

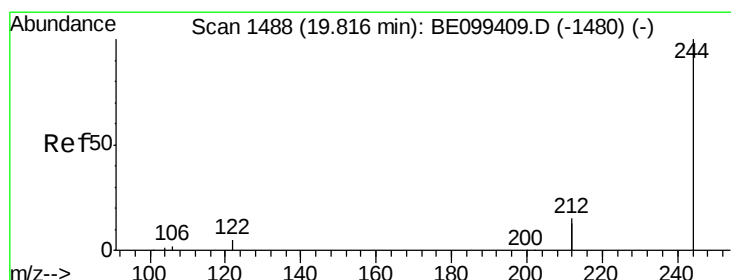
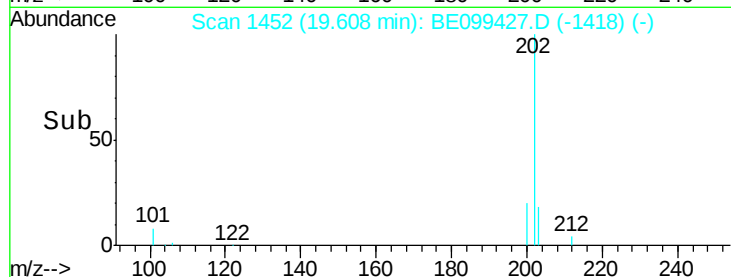
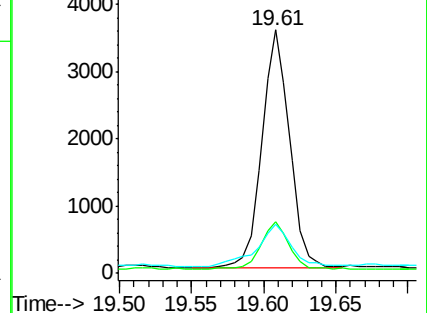
203 22.3 13.9 20.9#



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: 0.348 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

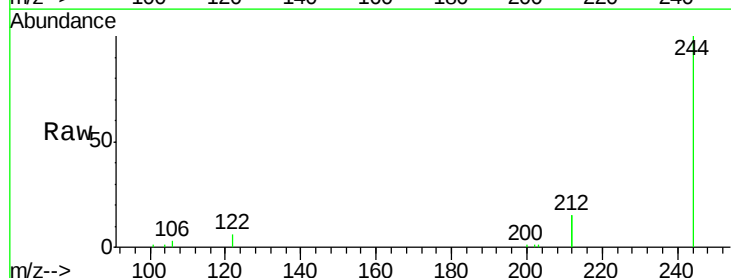
Tgt Ion:244 Resp: 20333

Ion Ratio Lower Upper

244 100

212 29.8 23.2 34.8

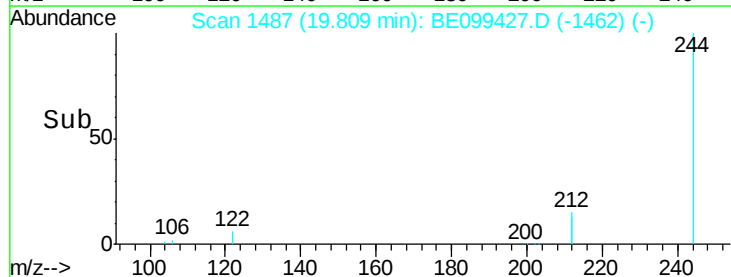
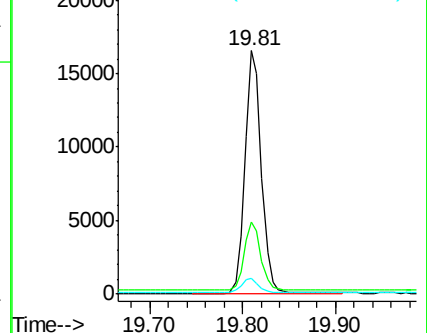
122 6.4 4.2 6.4#

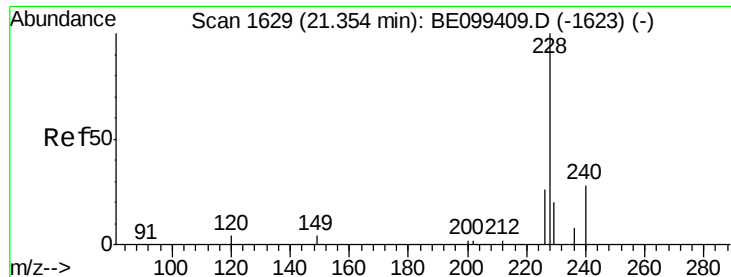


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.042 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

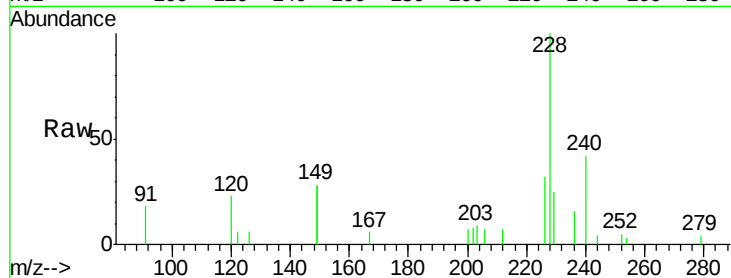
Tot Ion:228 Resp: 4259

Ion Ratio Lower Upper

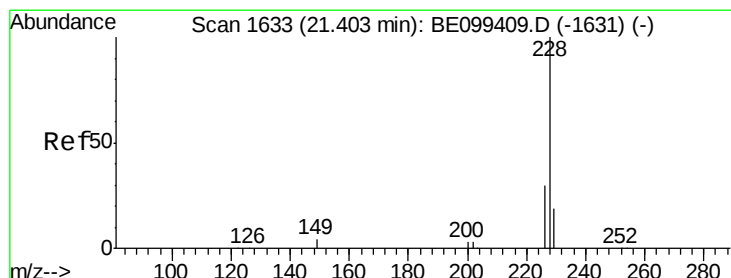
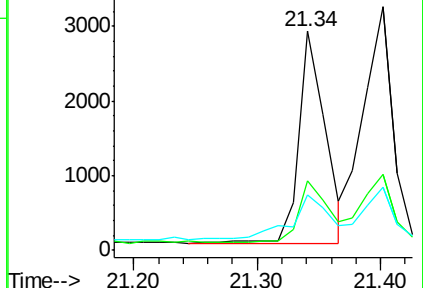
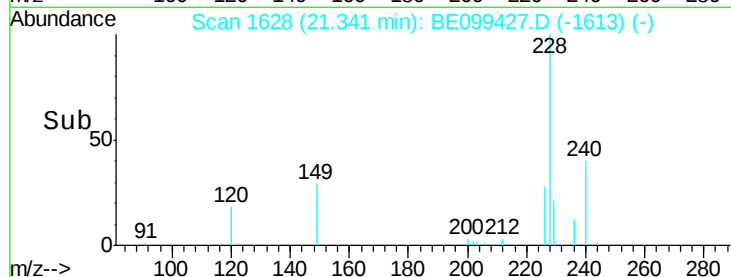
228 100

226 31.8 21.0 31.6#

229 25.3 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: 0.052 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

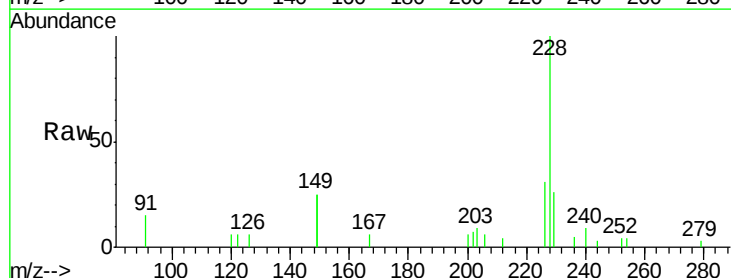
Tgt Ion:228 Resp: 5146

Ion Ratio Lower Upper

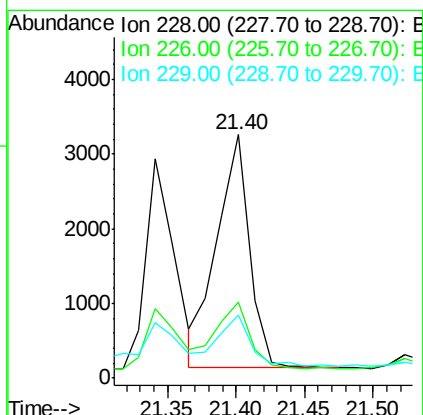
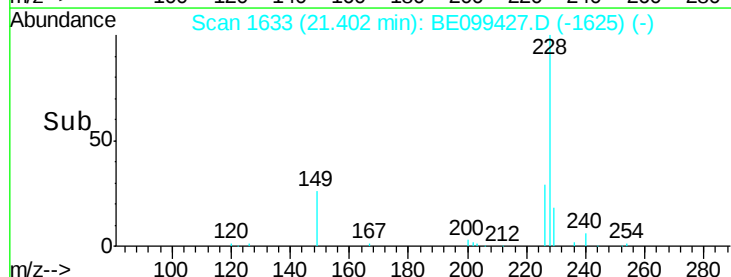
228 100

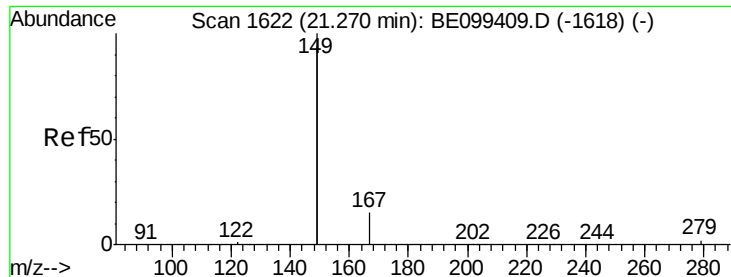
226 31.2 24.0 36.0

229 25.7 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: 0.034 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

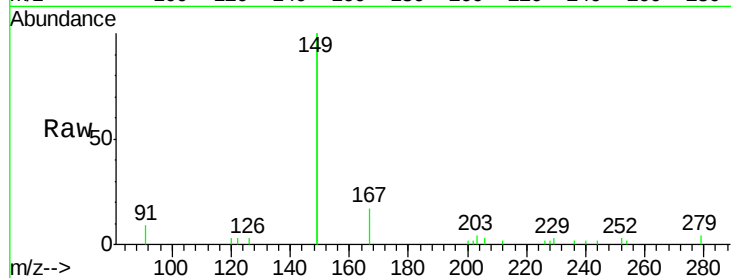
Tot Ion:149 Resp: 15181

Ion Ratio Lower Upper

149 100

167 7.2 5.8 8.6

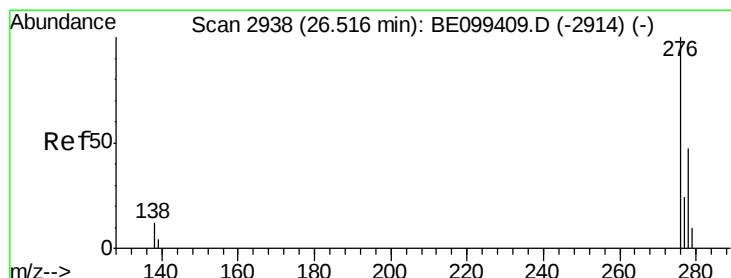
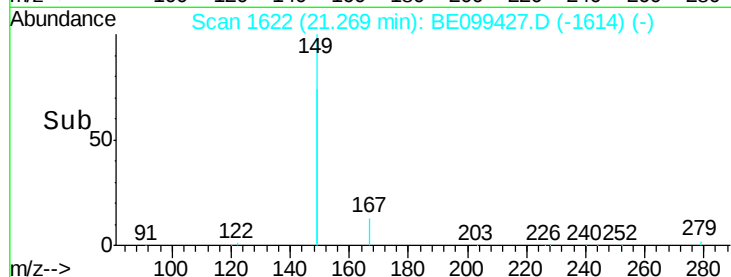
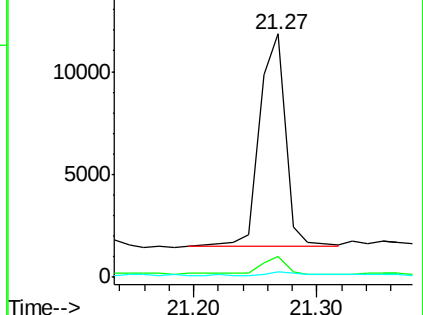
279 1.6 1.0 1.6#



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: 0.040 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

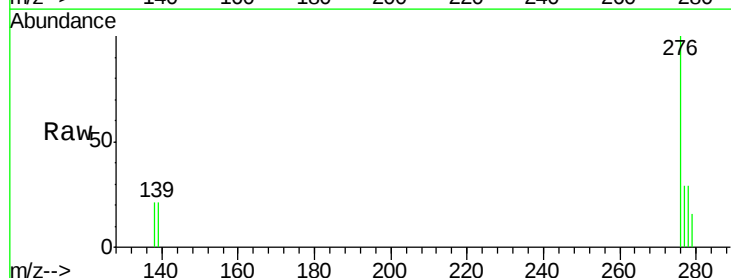
Tgt Ion:276 Resp: 4686

Ion Ratio Lower Upper

276 100

138 16.3 10.2 15.2#

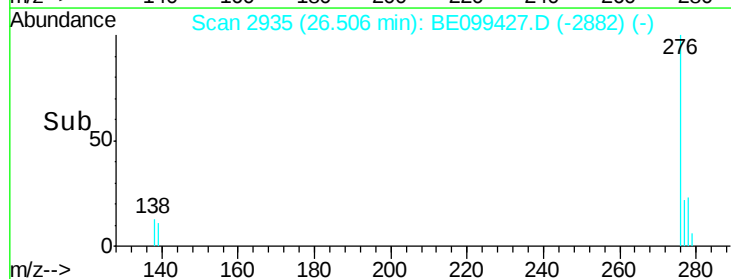
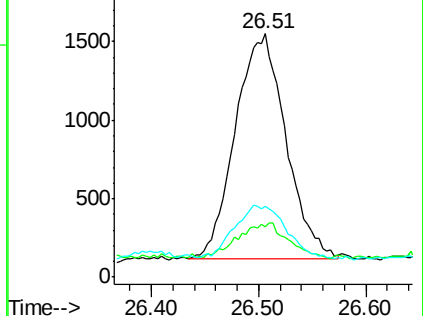
277 24.8 19.2 28.8

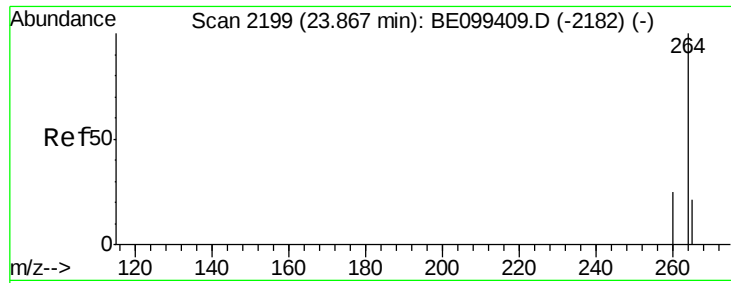


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

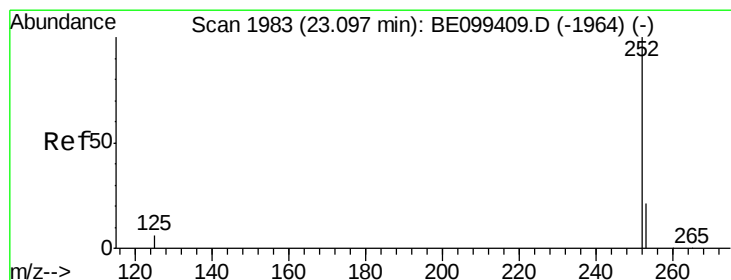
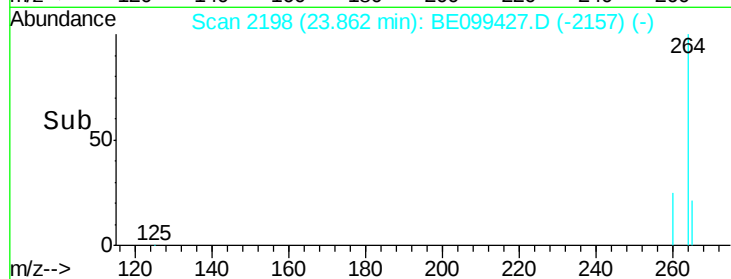
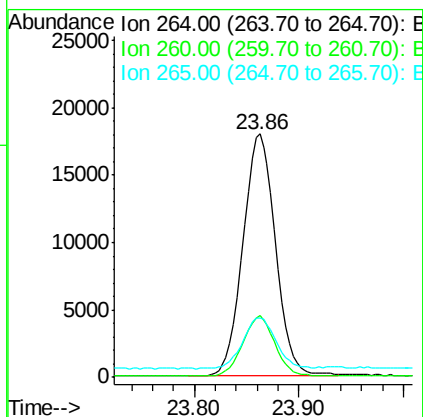
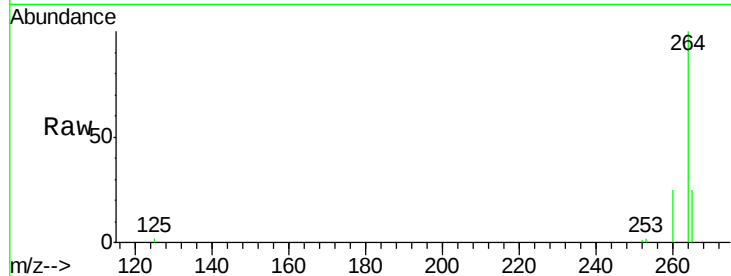




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

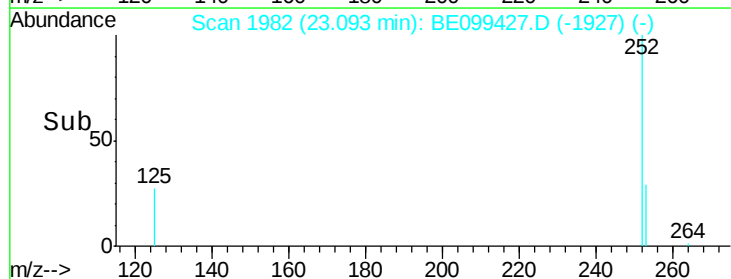
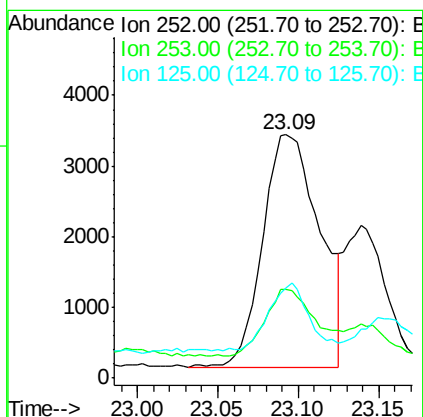
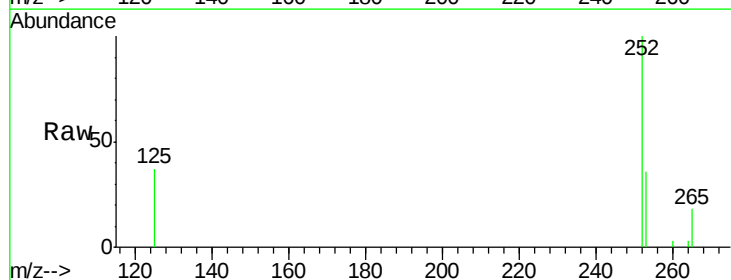
Instrument :
BNA_E
ClientSampleId :
PST-004-B163-042319

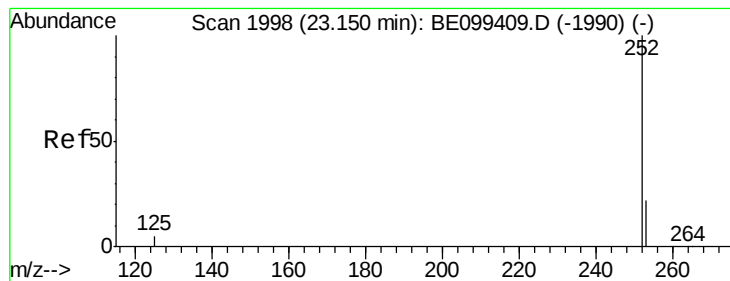
Tot Ion:264 Resp: 38916
Ion Ratio Lower Upper
264 100
260 25.4 20.2 30.2
265 24.6 21.3 31.9



#35
Benzo(b)fluoranthene
Concen: 0.072 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099427.D
Acq: 30 Apr 2019 15:33

Tgt Ion:252 Resp: 8125
Ion Ratio Lower Upper
252 100
253 36.2 18.1 27.1#
125 36.9 5.6 8.4#





#36

Benzo(k)fluoranthene

Concen: 0.075 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.06 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

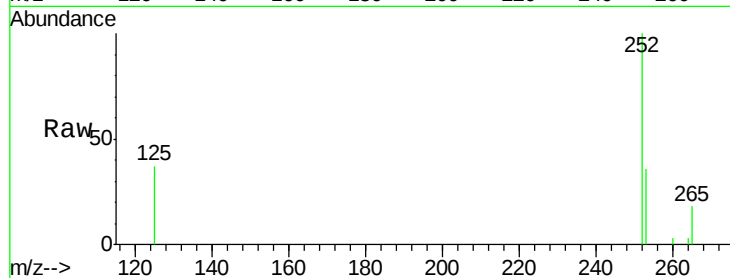
Tot Ion:252 Resp: 8125

Ion Ratio Lower Upper

252 100

253 36.2 18.4 27.6#

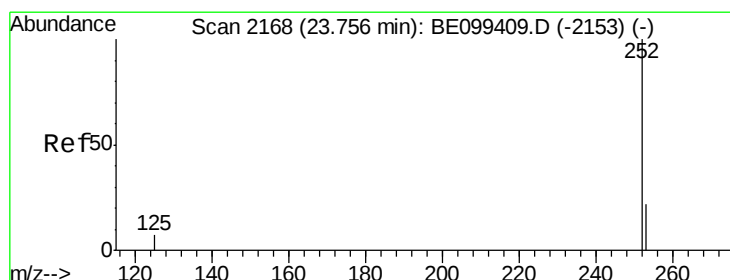
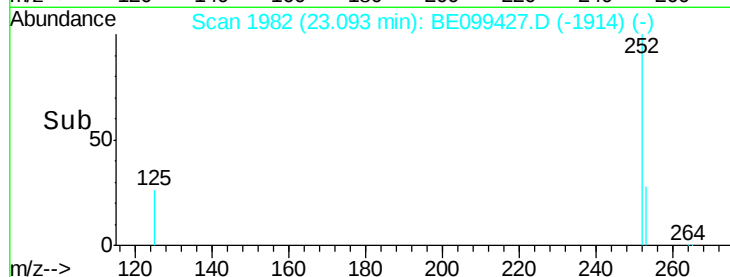
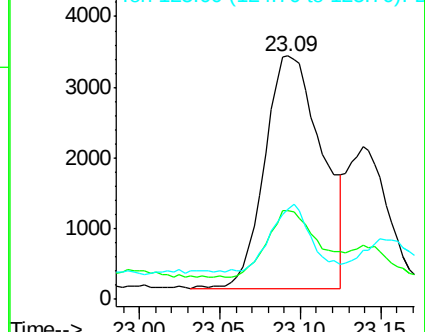
125 36.9 5.0 7.4#



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: 0.049 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

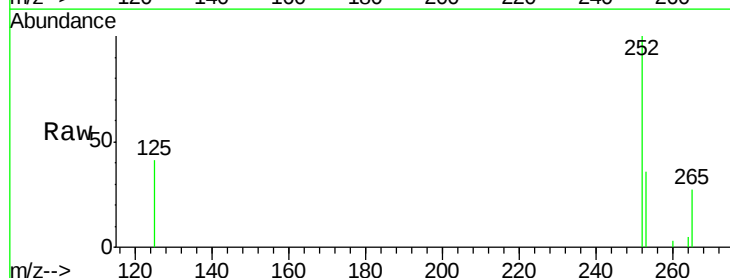
Tgt Ion:252 Resp: 5157

Ion Ratio Lower Upper

252 100

253 36.4 18.9 28.3#

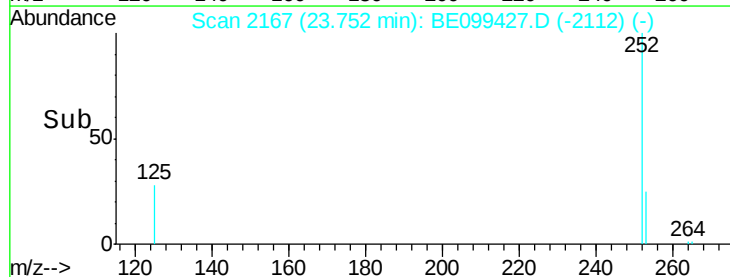
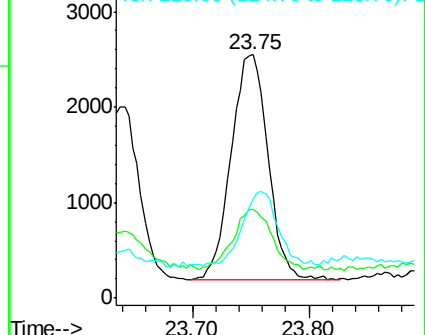
125 40.7 6.7 10.1#

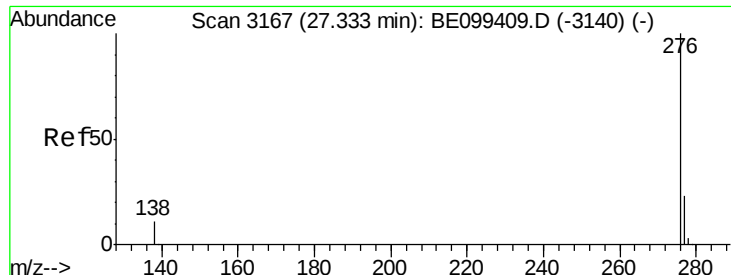


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.044 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099427.D

Acq: 30 Apr 2019 15:33

Instrument :

BNA_E

ClientSampleId :

PST-004-B163-042319

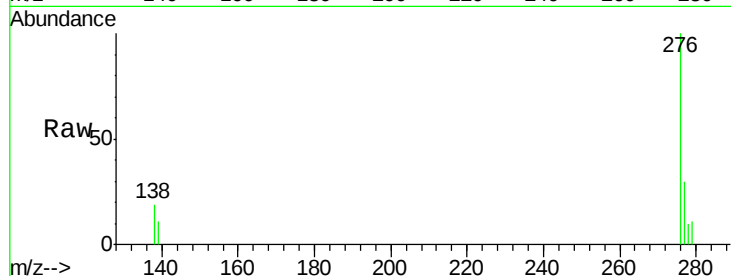
Tot Ion: 276 Resp: 4770

Ion Ratio Lower Upper

276 100

277 29.9 19.5 29.3#

138 19.0 9.6 14.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

