

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099462.D
 Acq On : 1 May 2019 14:07
 Operator : JU/SJ
 Sample : K2589-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B186-042419

Quant Time: May 02 04:13:42 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	7.82	152	1767	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	6523	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5334	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18246	0.40	ng	0.00
27) Chrysene-d12	21.37	240	23183	0.40	ng	0.00
34) Perylene-d12	23.87	264	26202	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2005	0.41	ng	0.00
5) Phenol-d6	6.98	99	2842	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	2197	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4370	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1458	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	6609	0.32	ng	0.00
25) Fluoranthene-d10	19.22	212	89654	0.36	ng	0.00
29) Terphenyl-d14	19.81	244	18784	0.44	ng	0.00

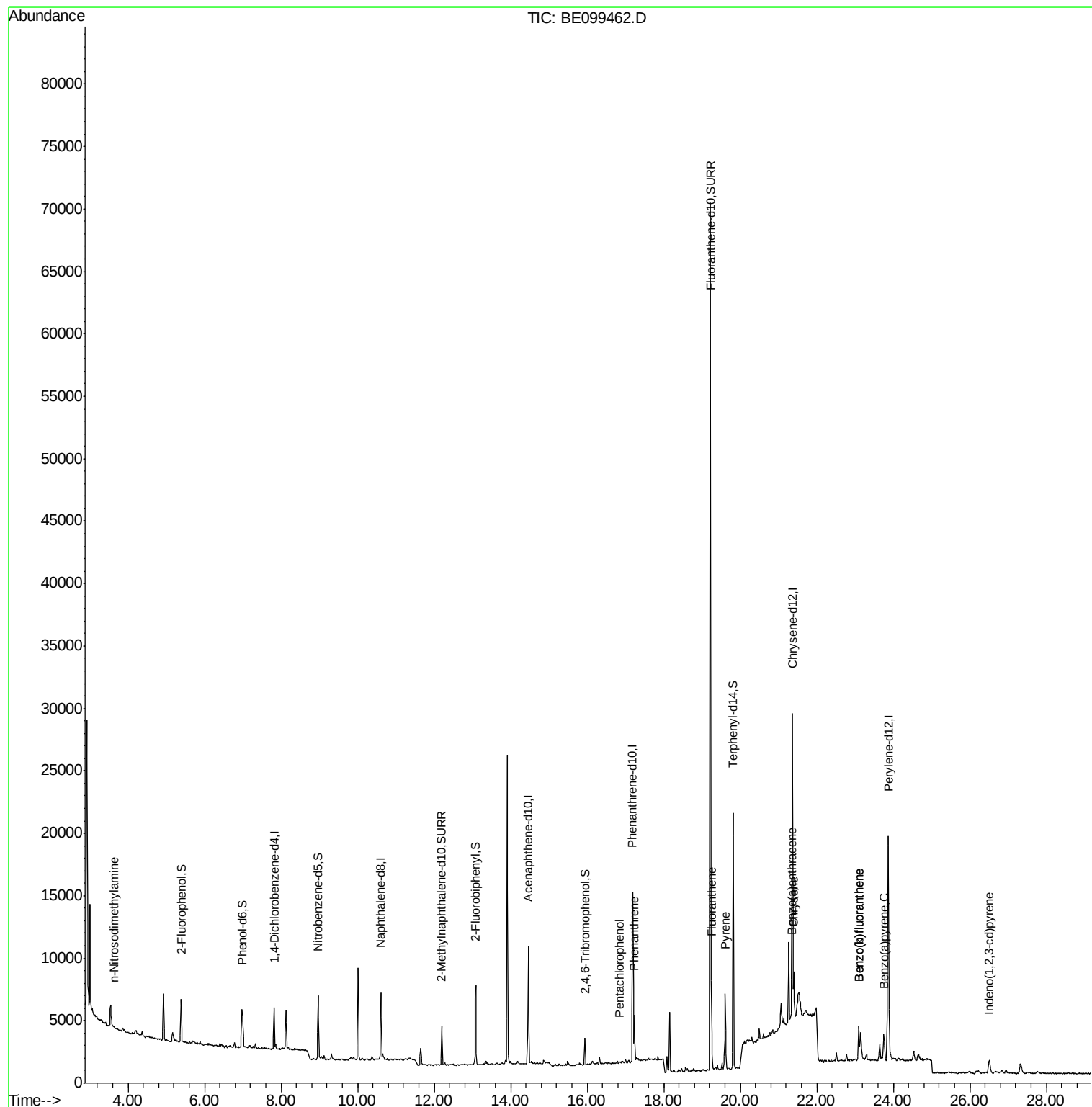
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.62	42	93	0.063	ng	# 1
22) Pentachlorophenol	16.84	266	31	0.221	ng	# 56
23) Phenanthrene	17.23	178	3890	0.083	ng	# 98
26) Fluoranthene	19.25	202	5216	0.074	ng	# 97
28) Pyrene	19.61	202	5670	0.094	ng	# 96
30) Benzo(a)anthracene	21.34	228	2870	0.039	ng	# 84
31) Chrysene	21.40	228	3426	0.047	ng	# 88
33) Indeno(1,2,3-cd)pyrene	26.51	276	2019	0.024	ng	# 97
35) Benzo(b)fluoranthene	23.10	252	4062	0.054	ng	# 32
36) Benzo(k)fluoranthene	23.10	252	4062	0.056	ng	# 34
37) Benzo(a)pyrene	23.75	252	2683	0.038	ng	# 33

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

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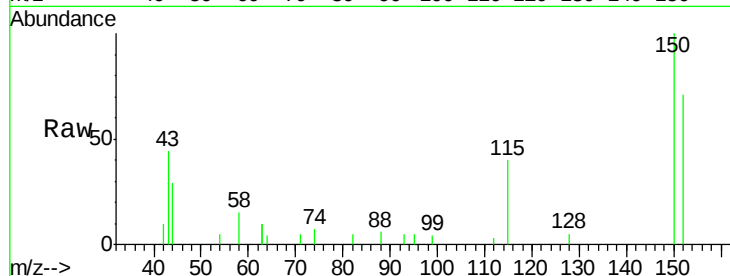


#1

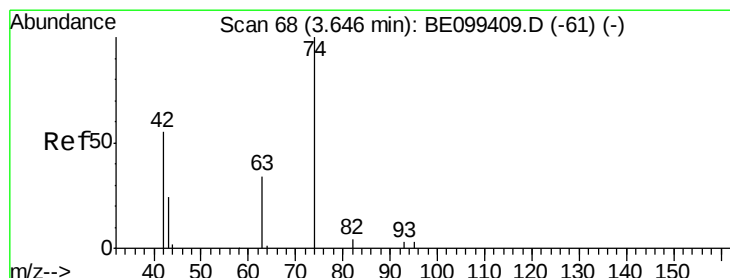
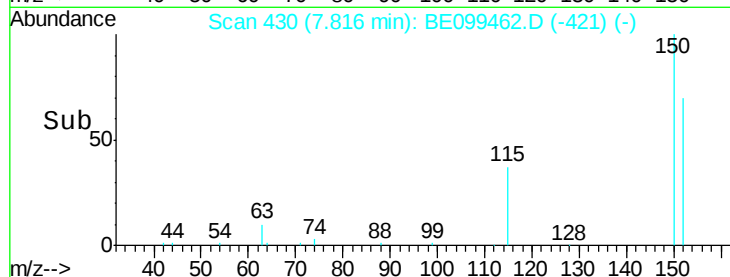
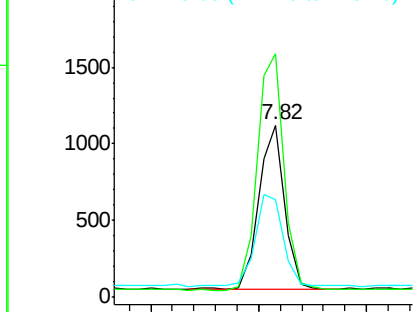
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099462.D
Acq: 1 May 2019 14:07

Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419

Tot Ion:152 Resp: 1767
Ion Ratio Lower Upper
152 100
150 141.6 104.8 157.2
115 57.0 46.6 69.8



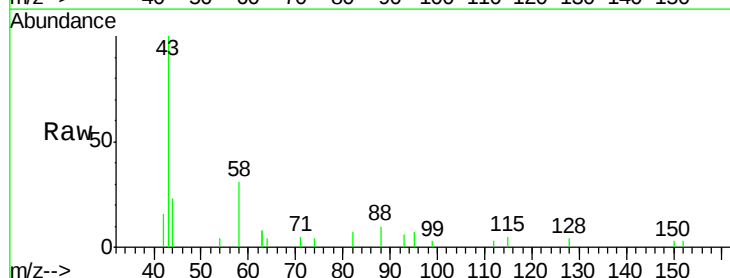
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



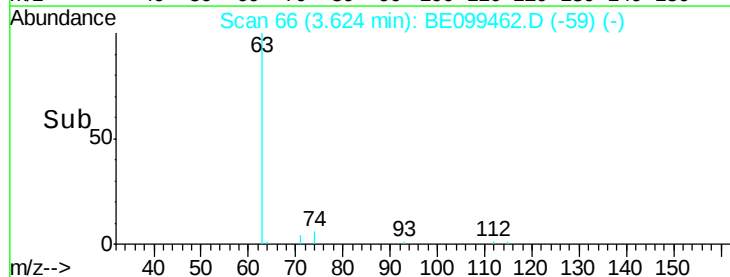
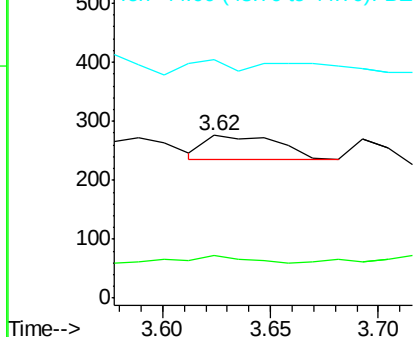
#3

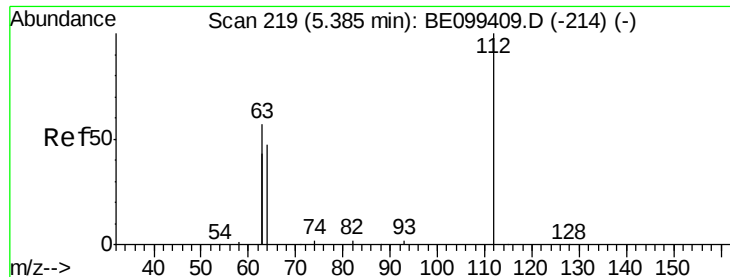
n-Nitrosodimethylamine
Concen: 0.063 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099462.D
Acq: 1 May 2019 14:07

Tgt Ion: 42 Resp: 93
Ion Ratio Lower Upper
42 100
74 26.9 141.6 212.4#
44 37.6 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: 0.410 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

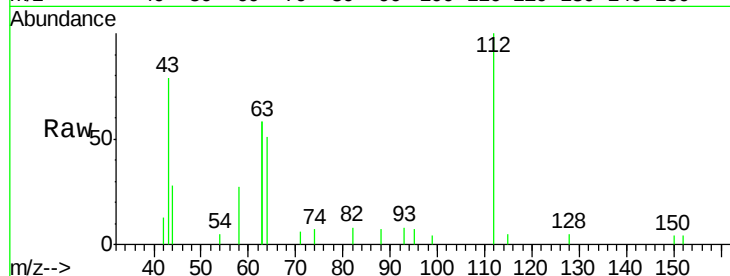
Tot Ion:112 Resp: 2005

Ion Ratio Lower Upper

112 100

64 57.2 47.4 71.0

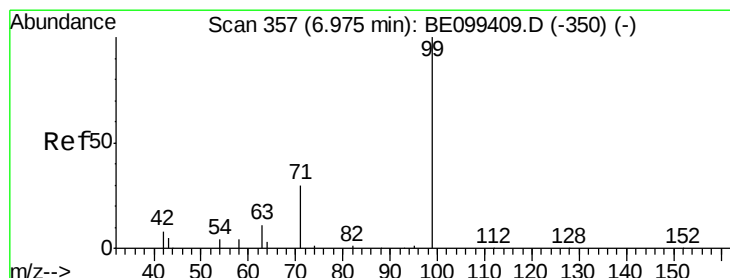
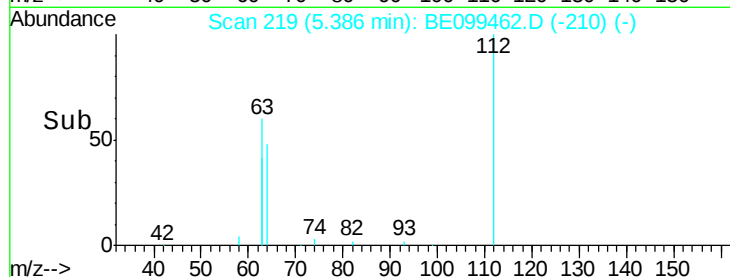
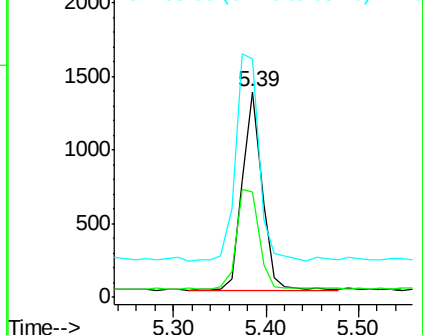
63 124.1 104.3 156.5



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: 0.437 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

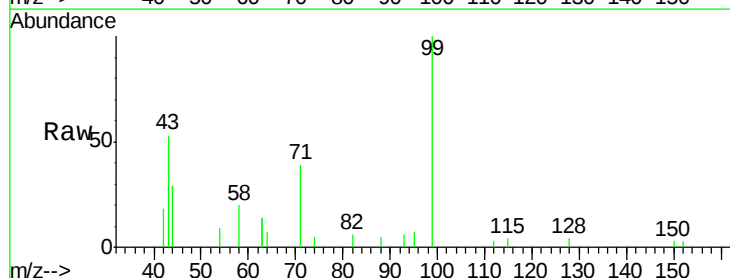
Tgt Ion: 99 Resp: 2842

Ion Ratio Lower Upper

99 100

42 19.3 14.9 22.3

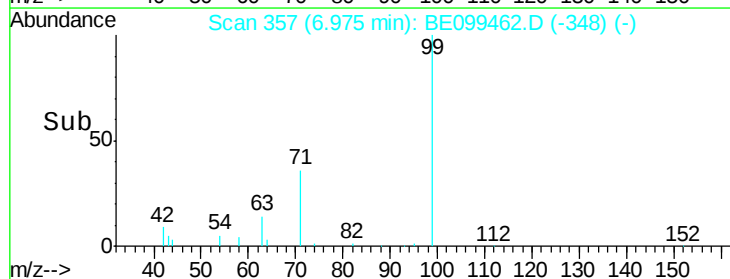
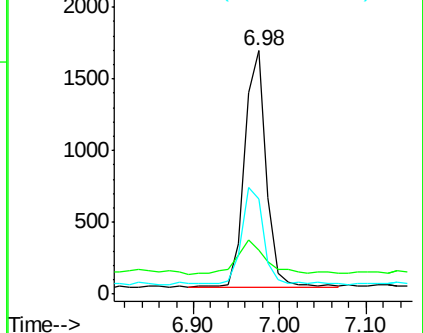
71 40.5 33.0 49.6

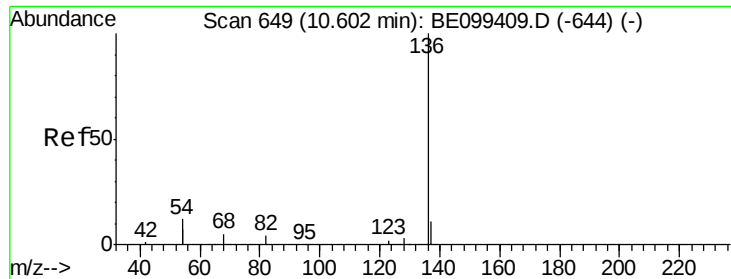


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

Tot Ion:136 Resp: 6523

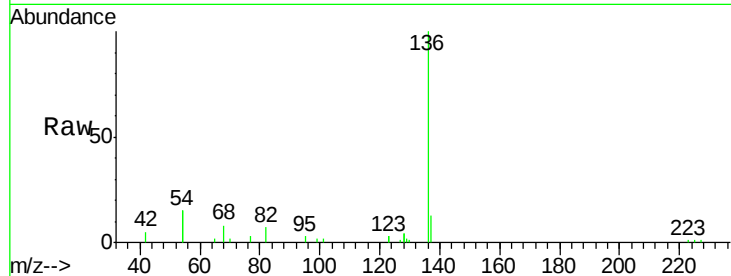
Ion Ratio Lower Upper

136 100

137 12.5 9.8 14.8

54 30.7 18.5 27.7#

68 7.6 4.7 7.1#

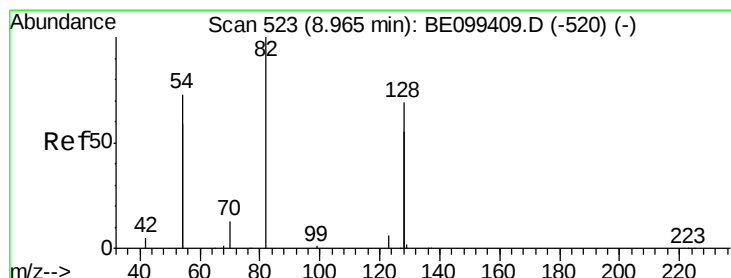
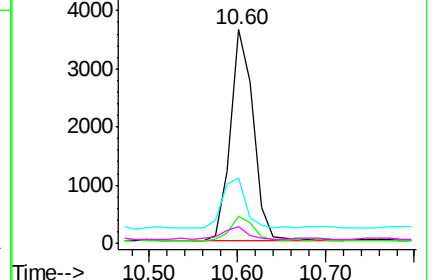
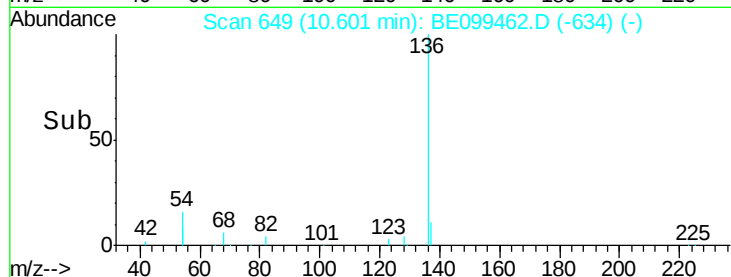


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.359 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

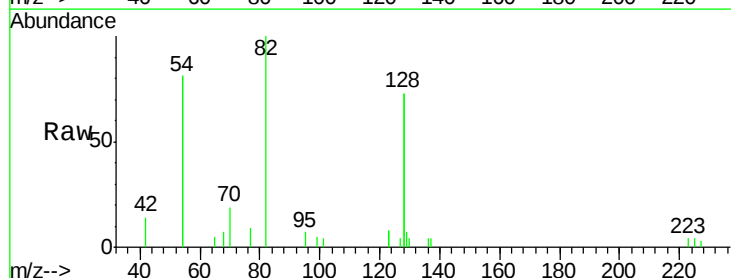
Tgt Ion: 82 Resp: 2197

Ion Ratio Lower Upper

82 100

128 146.2 107.0 160.4

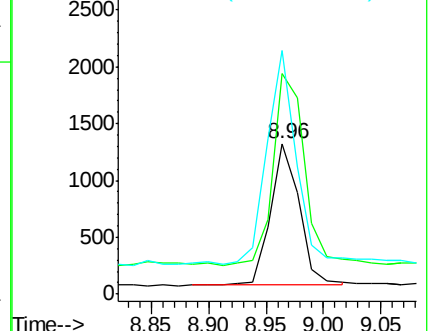
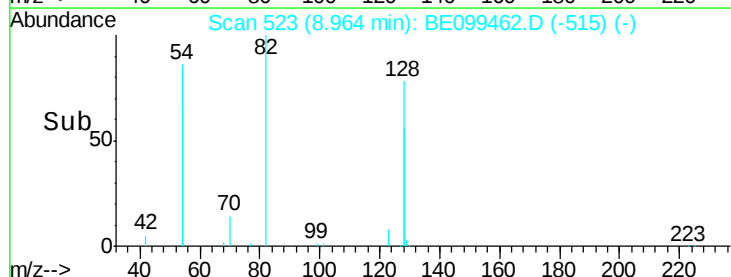
54 161.5 113.1 169.7

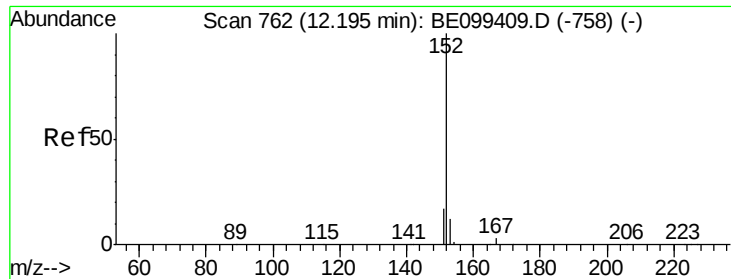


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

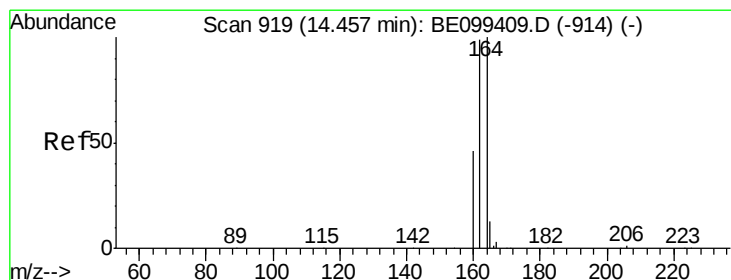
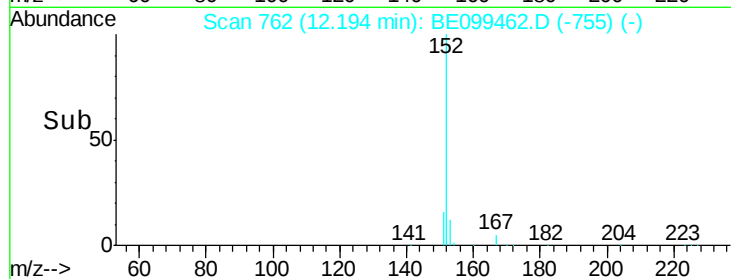
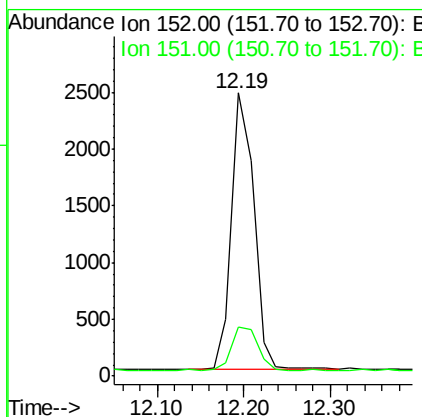
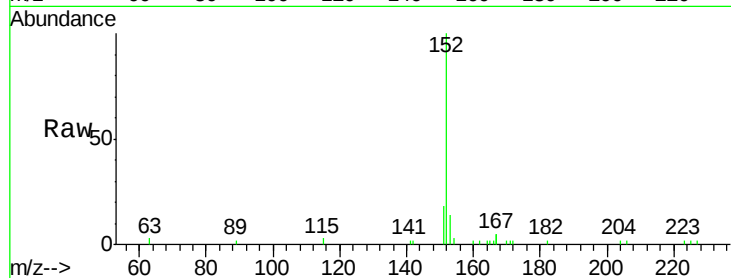




#11
 2-Methylnaphthalene-d10
 Concen: 0.372 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099462.D
 Acq: 1 May 2019 14:07

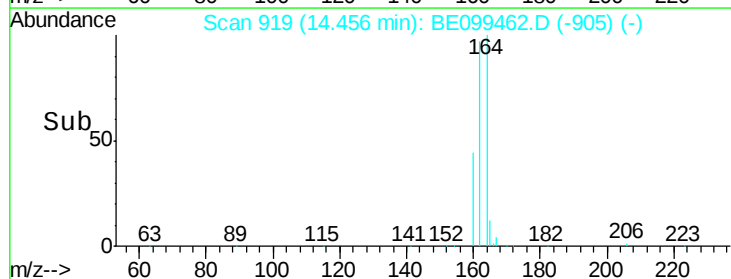
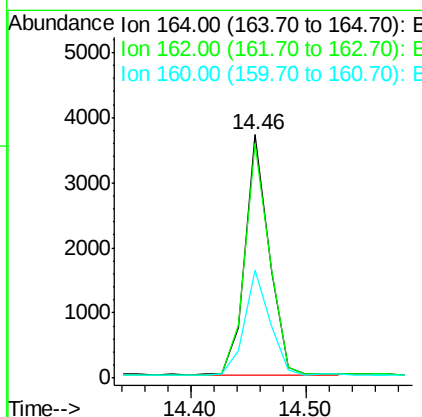
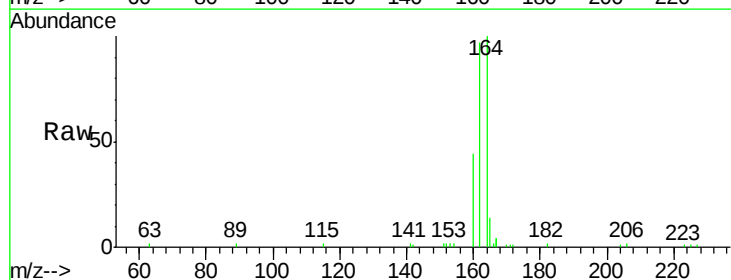
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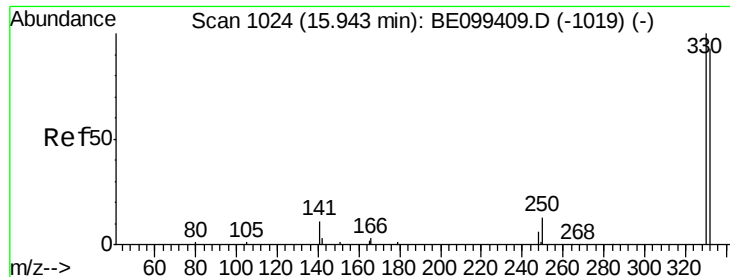
Tot Ion:152 Resp: 4370
 Ion Ratio Lower Upper
 152 100
 151 18.5 15.5 23.3



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099462.D
 Acq: 1 May 2019 14:07

Tgt Ion:164 Resp: 5334
 Ion Ratio Lower Upper
 164 100
 162 96.5 79.0 118.4
 160 44.5 37.0 55.4

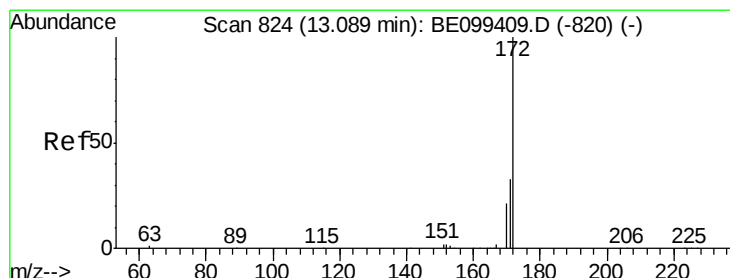
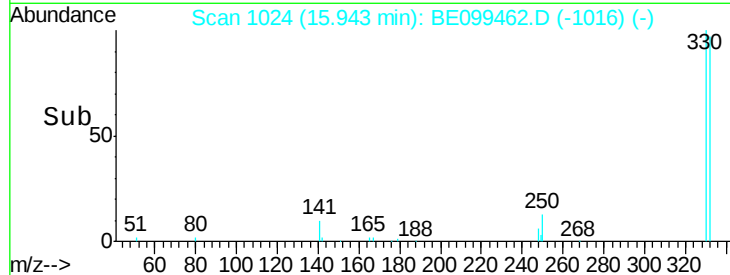
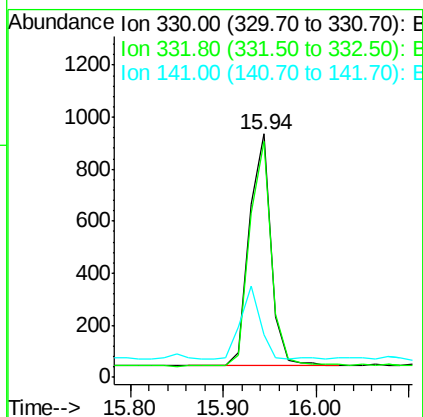
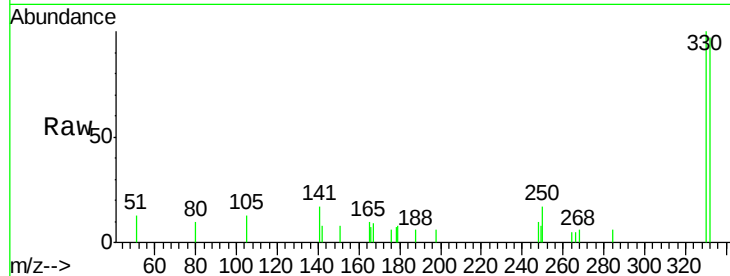




#14
 2,4,6-Tribromophenol
 Concen: 0.434 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099462.D
 Acq: 1 May 2019 14:07

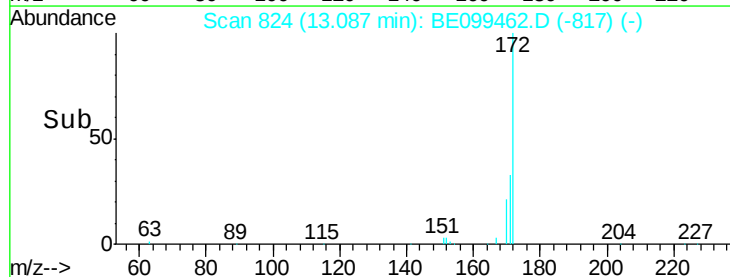
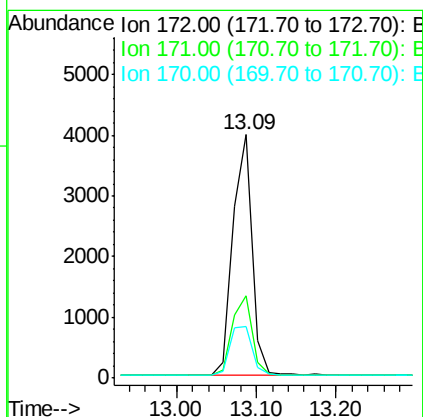
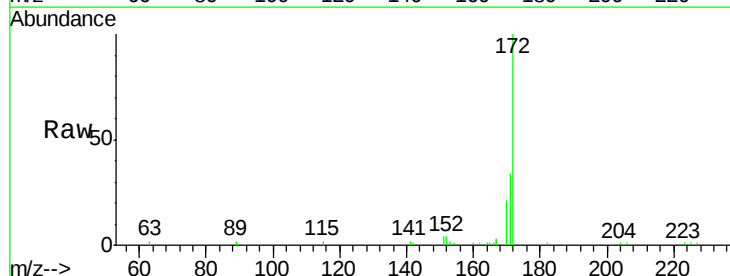
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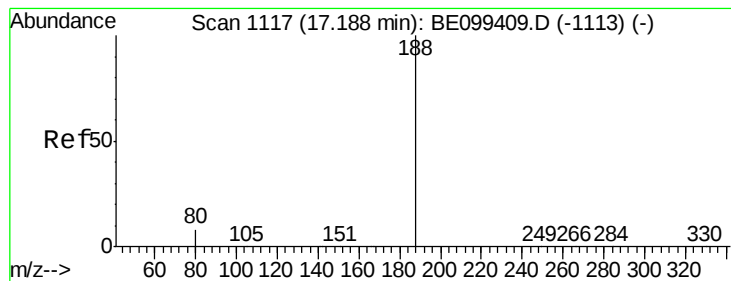
Tot Ion:330 Resp: 1458
 Ion Ratio Lower Upper
 330 100
 332 97.4 71.5 107.3
 141 28.0 24.0 36.0



#15
 2-Fluorobiphenyl
 Concen: 0.325 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099462.D
 Acq: 1 May 2019 14:07

Tgt Ion:172 Resp: 6609
 Ion Ratio Lower Upper
 172 100
 171 33.6 26.6 39.8
 170 21.4 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: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

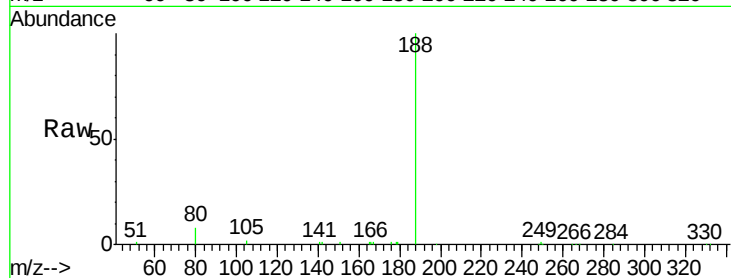
Tot Ion:188 Resp: 18246

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

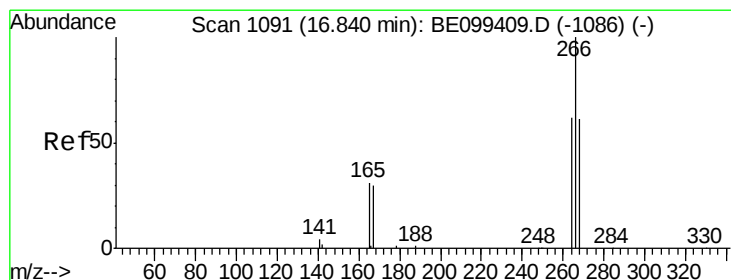
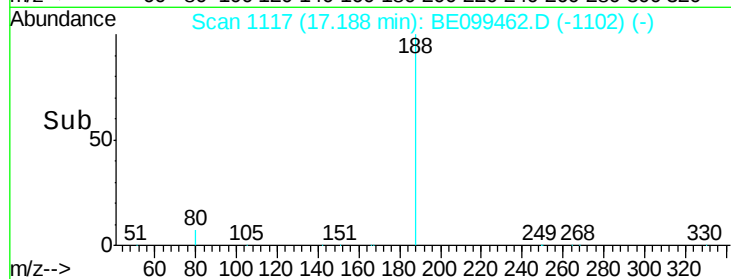
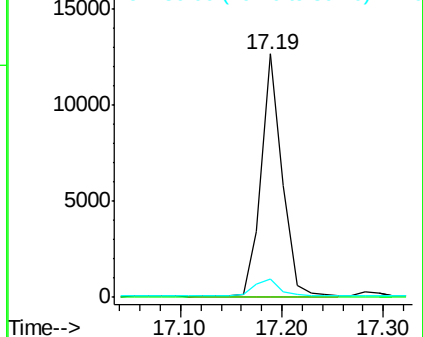
80 7.6 6.7 10.1



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: 0.221 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

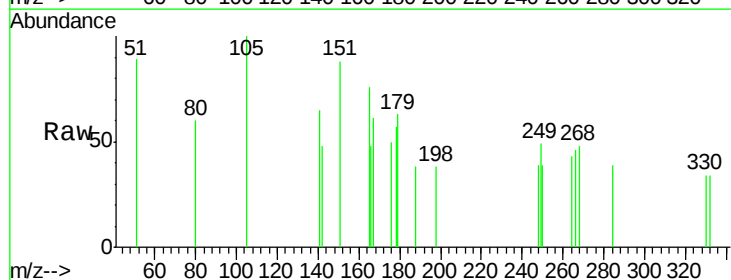
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

264 92.1 50.8 76.2#

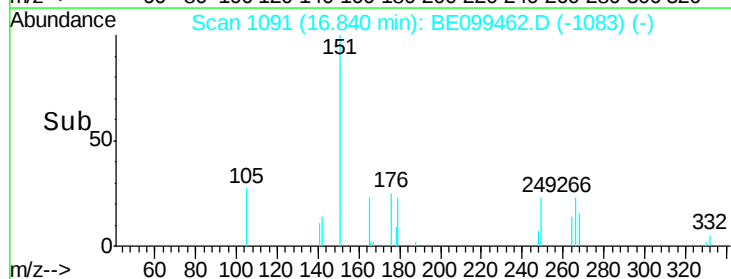
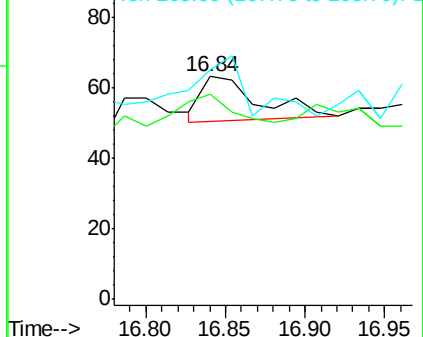
268 103.2 50.5 75.7#

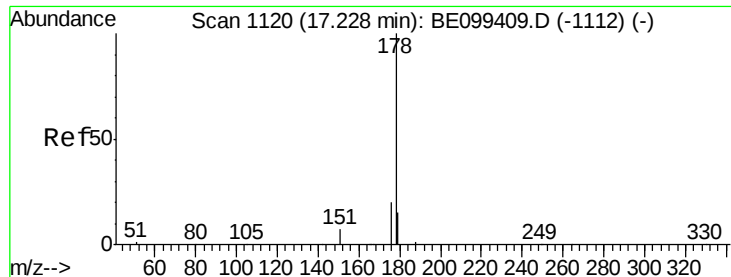


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.083 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

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ClientSampleId :

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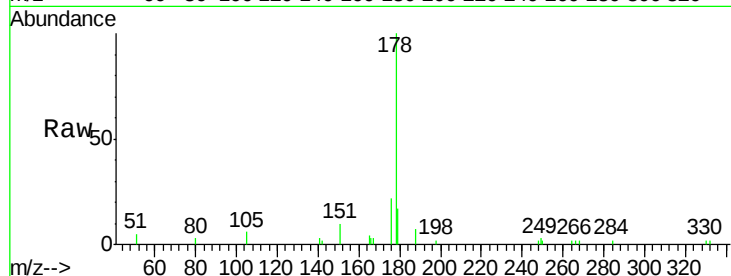
Tot Ion:178 Resp: 3890

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

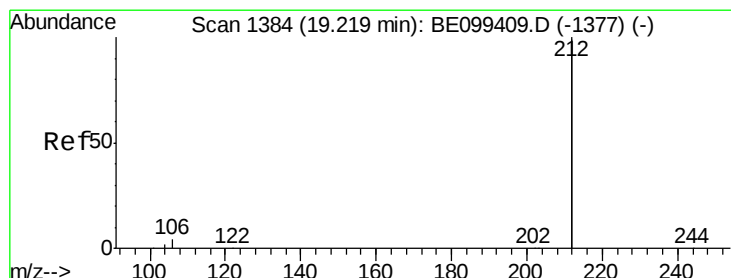
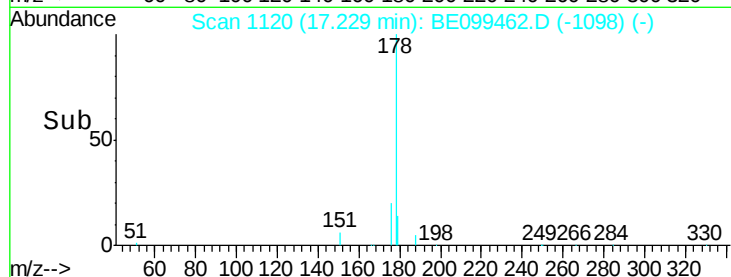
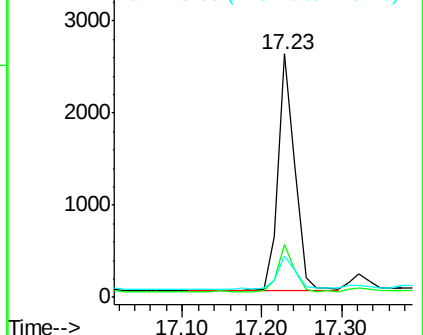
179 16.1 12.0 18.0



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: 0.365 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

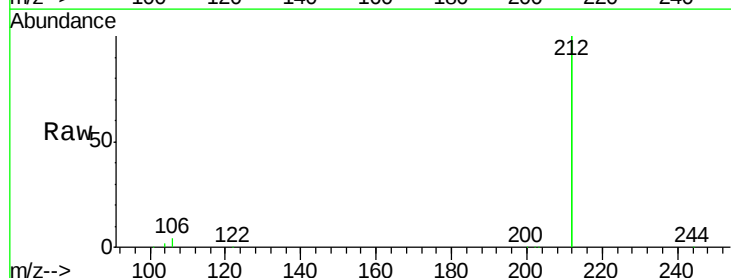
Tgt Ion:212 Resp: 89654

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

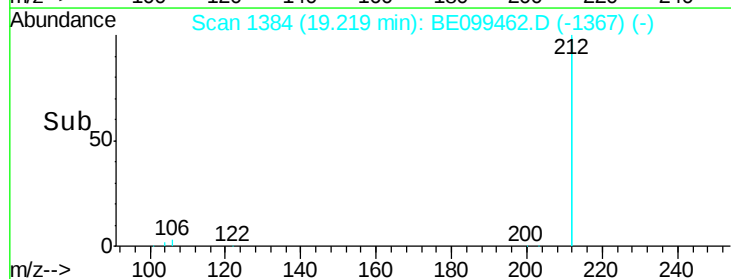
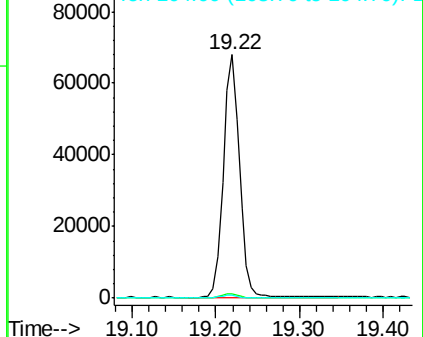
104 1.1 0.9 1.3

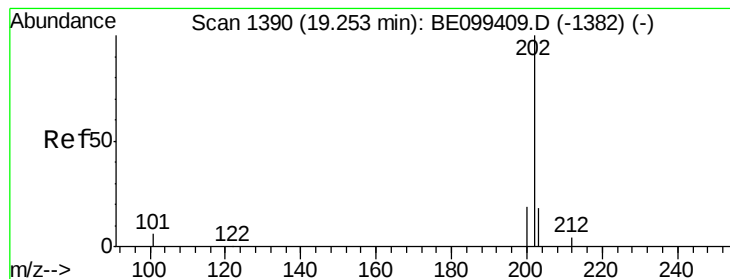


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.074 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

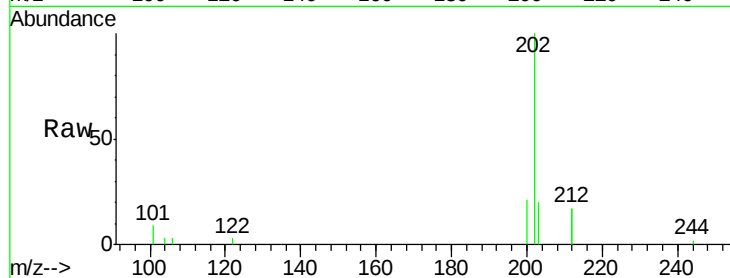
Tot Ion:202 Resp: 5216

Ion Ratio Lower Upper

202 100

101 8.1 5.4 8.0#

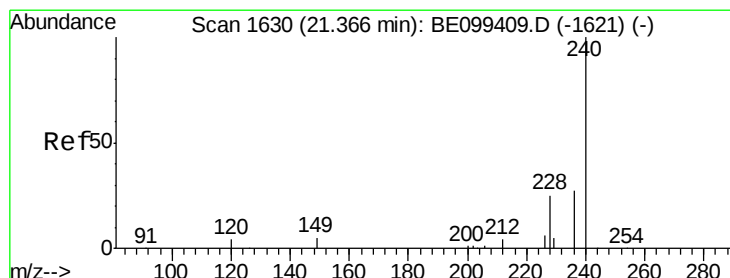
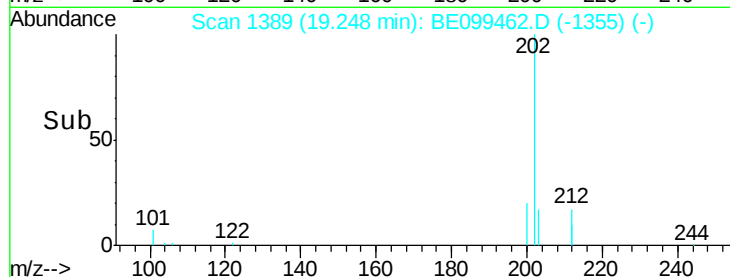
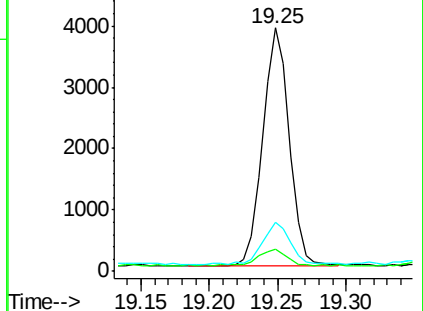
203 18.7 13.9 20.9



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# 1629

Delta R.T. -0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

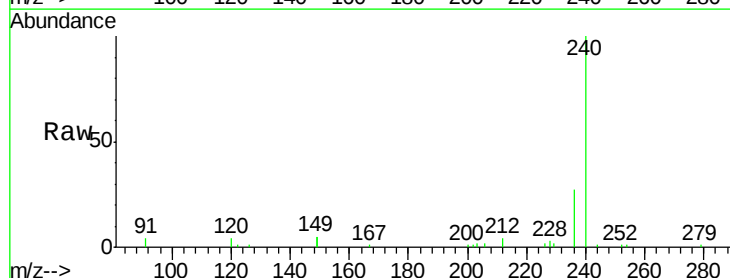
Tgt Ion:240 Resp: 23183

Ion Ratio Lower Upper

240 100

120 4.2 4.0 6.0

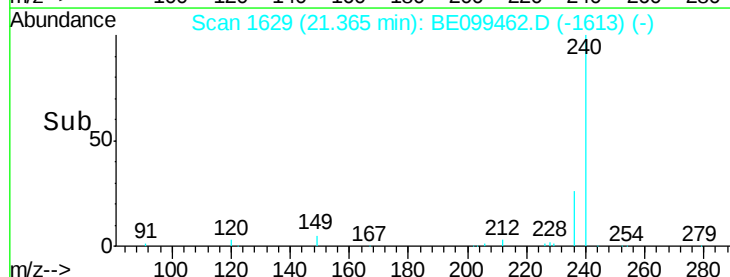
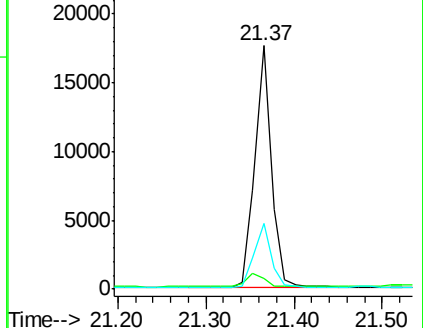
236 26.7 22.0 33.0

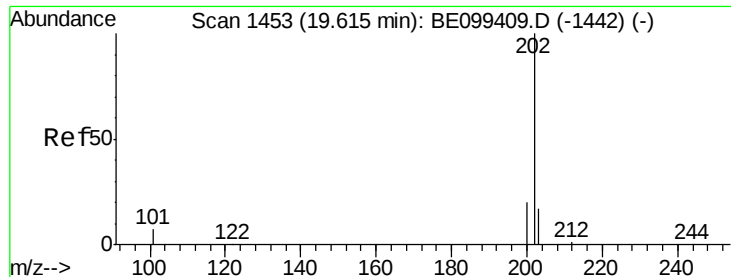


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.094 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

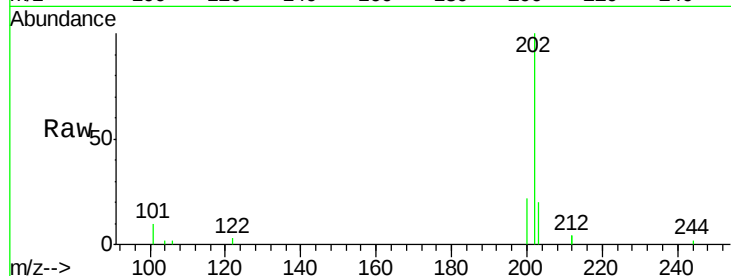
Tot Ion:202 Resp: 5670

Ion Ratio Lower Upper

202 100

200 20.3 15.7 23.5

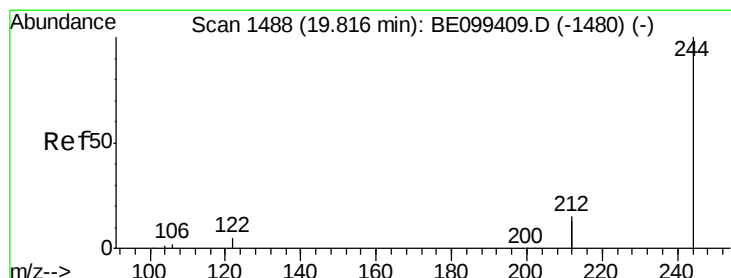
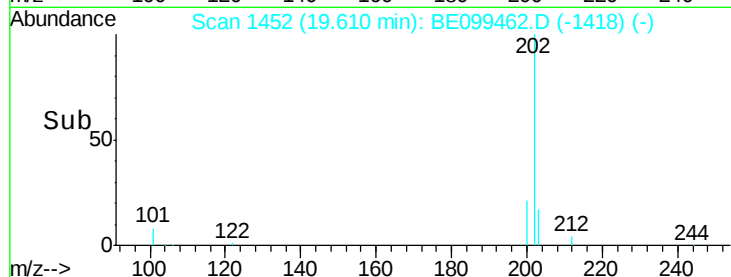
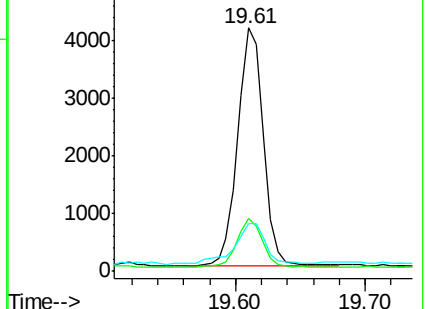
203 20.3 13.9 20.9



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: 0.442 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

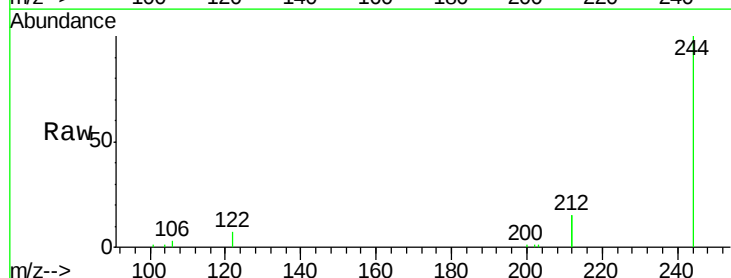
Tgt Ion:244 Resp: 18784

Ion Ratio Lower Upper

244 100

212 29.9 23.2 34.8

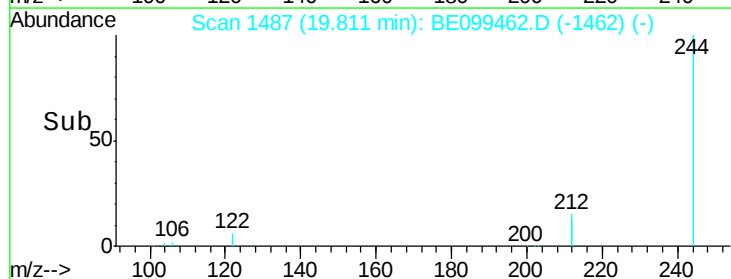
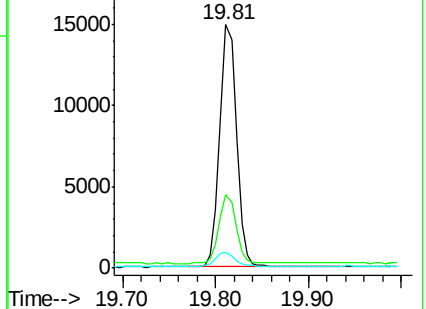
122 6.7 4.2 6.4#

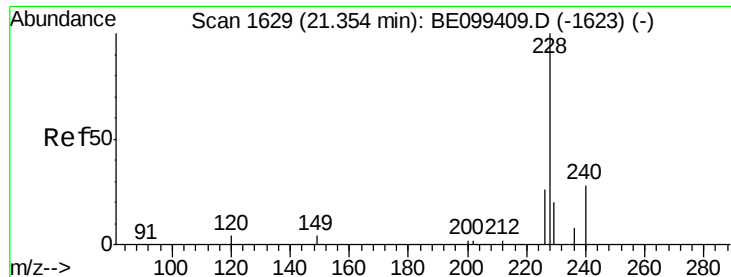


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.039 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

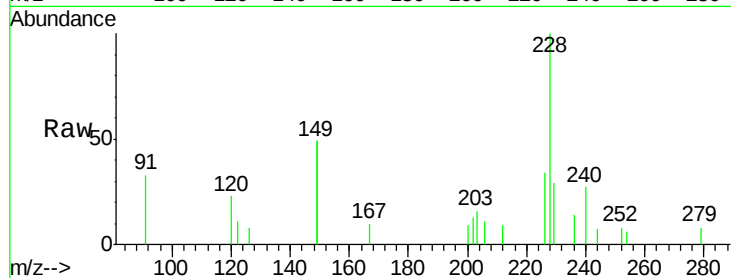
Tot Ion:228 Resp: 2870

Ion Ratio Lower Upper

228 100

226 34.4 21.0 31.6#

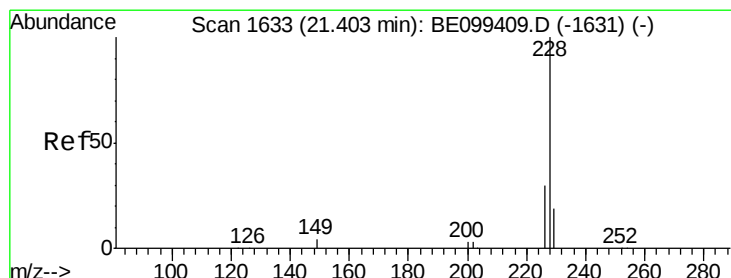
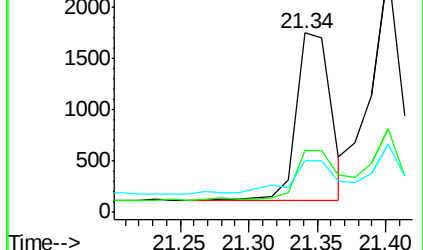
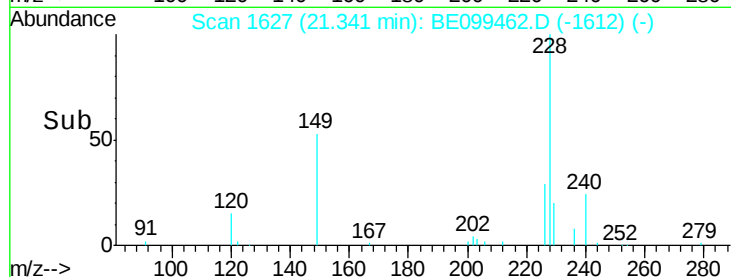
229 28.7 16.6 25.0#



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: 0.047 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

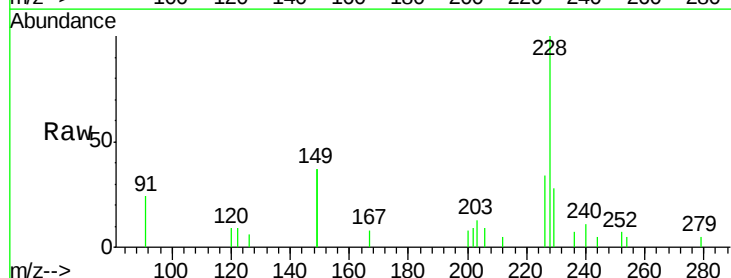
Tgt Ion:228 Resp: 3426

Ion Ratio Lower Upper

228 100

226 34.3 24.0 36.0

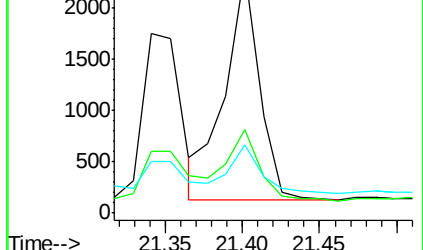
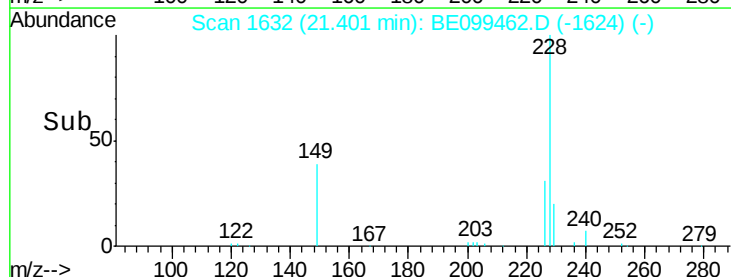
229 27.8 15.8 23.8#

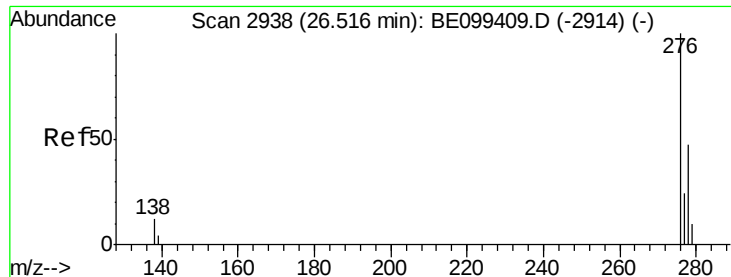


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.024 ng

RT: 26.51 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

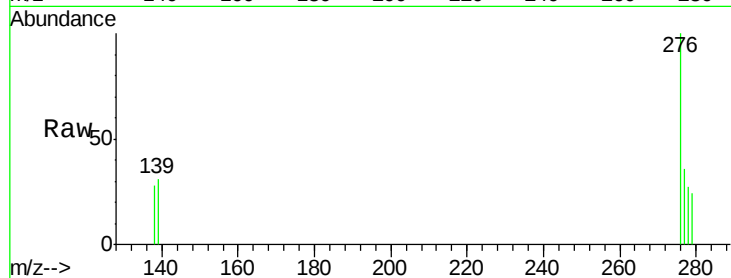
Tot Ion:276 Resp: 2019

Ion Ratio Lower Upper

276 100

138 14.8 10.2 15.2

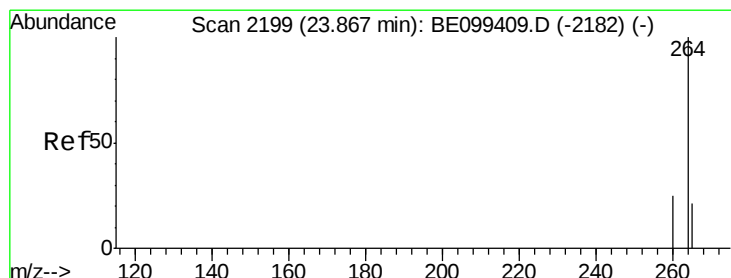
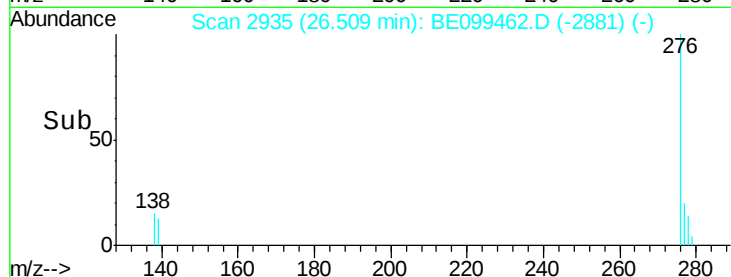
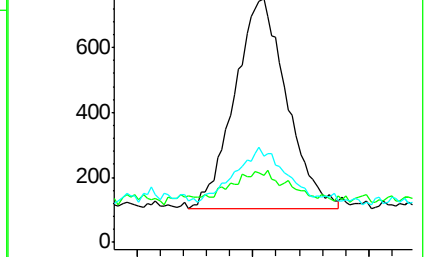
277 25.2 19.2 28.8



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

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

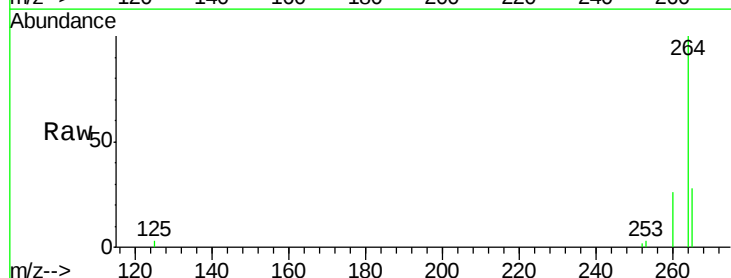
Tgt Ion:264 Resp: 26202

Ion Ratio Lower Upper

264 100

260 25.7 20.2 30.2

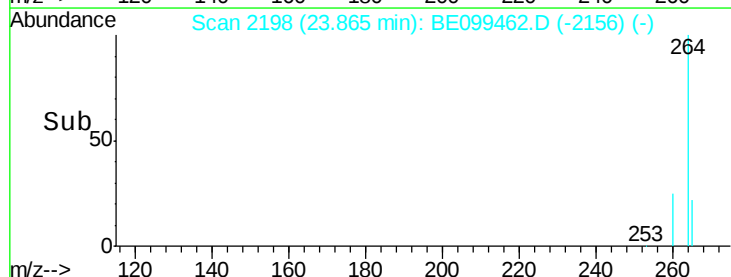
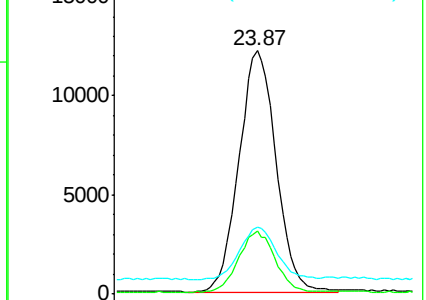
265 27.5 21.3 31.9

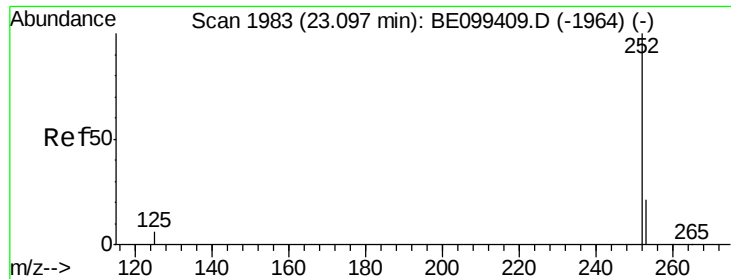


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

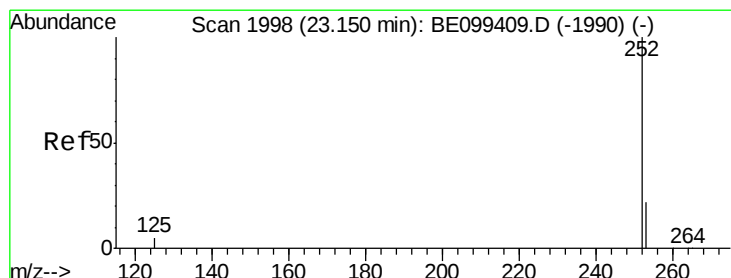
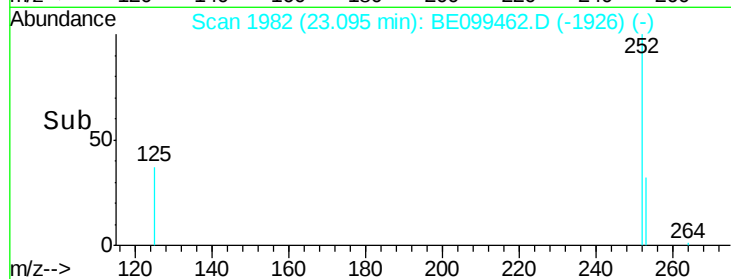
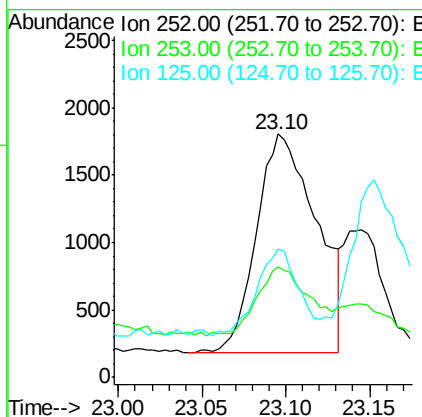
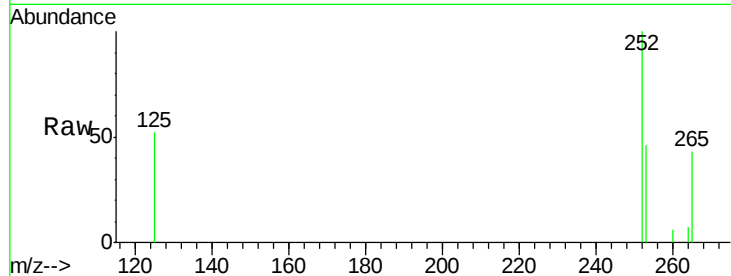




#35
Benzo(b)fluoranthene
Concen: 0.054 ng
RT: 23.10 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099462.D
Acq: 1 May 2019 14:07

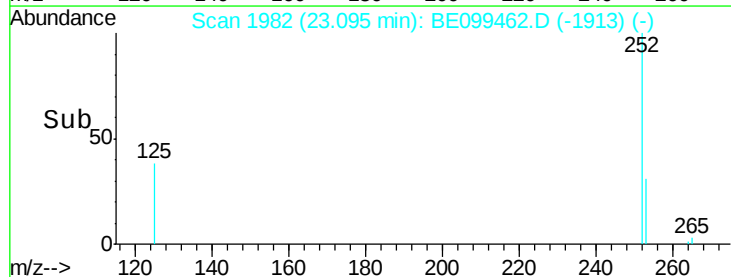
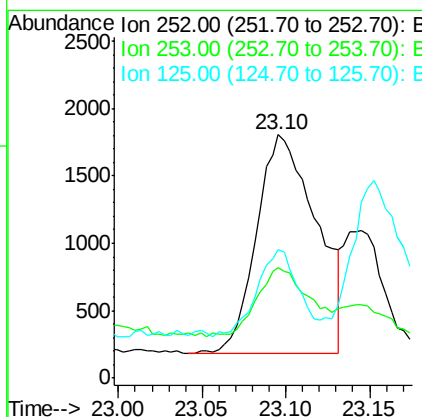
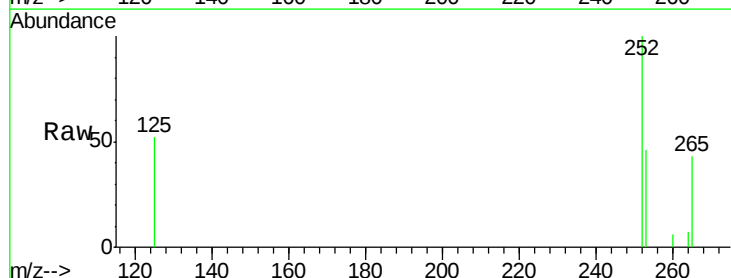
Instrument :
BNA_E
ClientSampleId :
PST-001-B186-042419

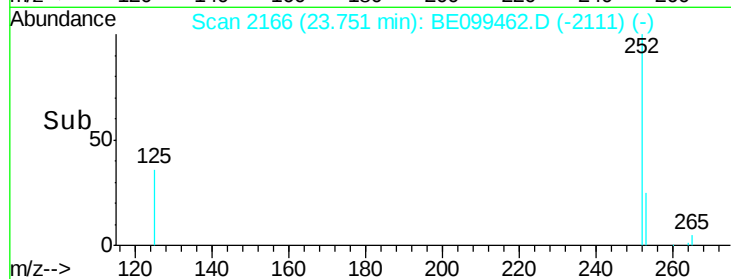
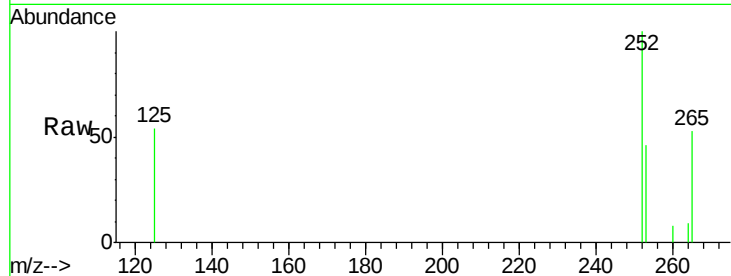
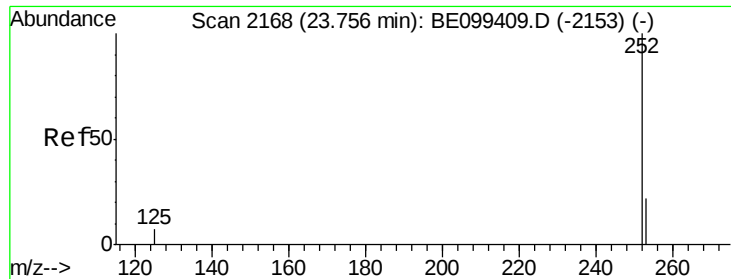
Tot Ion:252 Resp: 4062
Ion Ratio Lower Upper
252 100
253 45.6 18.1 27.1#
125 52.5 5.6 8.4#



#36
Benzo(k)fluoranthene
Concen: 0.056 ng
RT: 23.10 min Scan# 1982
Delta R.T. -0.05 min
Lab File: BE099462.D
Acq: 1 May 2019 14:07

Tgt Ion:252 Resp: 4062
Ion Ratio Lower Upper
252 100
253 45.6 18.4 27.6#
125 52.5 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.038 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BE099462.D

Acq: 1 May 2019 14:07

Instrument :

BNA_E

ClientSampleId :

PST-001-B186-042419

Tot Ion: 252 Resp: 2683

Ion Ratio Lower Upper

252 100

253 45.9 18.9 28.3#

125 54.3 6.7 10.1#

