

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099497.D
 Acq On : 2 May 2019 17:33
 Operator : JU/SJ
 Sample : K2589-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519

Quant Time: May 03 02:10:13 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	7.81	152	2584	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8946	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6456	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20569	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29137	0.40	ng	0.00
34) Perylene-d12	23.87	264	32728	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2937	0.41	ng	0.00
5) Phenol-d6	6.97	99	4219	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	3340	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5686	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1957	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	8503	0.35	ng	0.00
25) Fluoranthene-d10	19.22	212	91954	0.33	ng	0.00
29) Terphenyl-d14	19.82	244	18421	0.35	ng	0.00

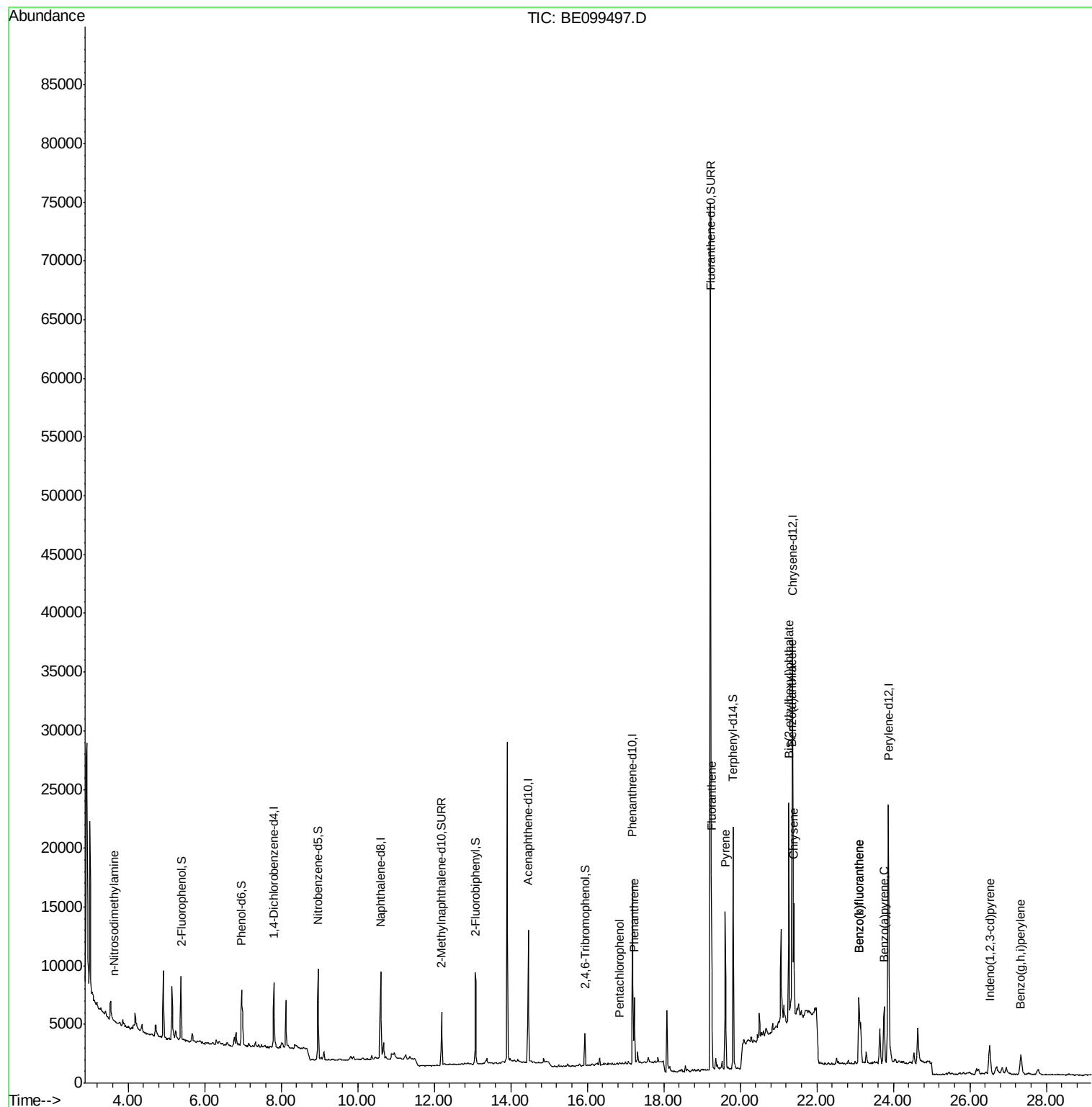
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.63	42	83	0.039	ng	# 1
22) Pentachlorophenol	16.84	266	76	0.227	ng	# 65
23) Phenanthrene	17.23	178	5725	0.108	ng	# 98
26) Fluoranthene	19.25	202	13943	0.175	ng	# 99
28) Pyrene	19.61	202	13202	0.174	ng	# 95
30) Benzo(a)anthracene	21.35	228	9609	0.104	ng	# 93
31) Chrysene	21.40	228	8312	0.091	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.27	149	20734	0.087	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.52	276	4628	0.043	ng	# 97
35) Benzo(b)fluoranthene	23.10	252	10938	0.116	ng	# 76
36) Benzo(k)fluoranthene	23.10	252	10938	0.120	ng	# 77
37) Benzo(a)pyrene	23.75	252	7176	0.080	ng	# 74
39) Benzo(a,h,i)perylene	27.33	276	4421	0.048	ng	# 87

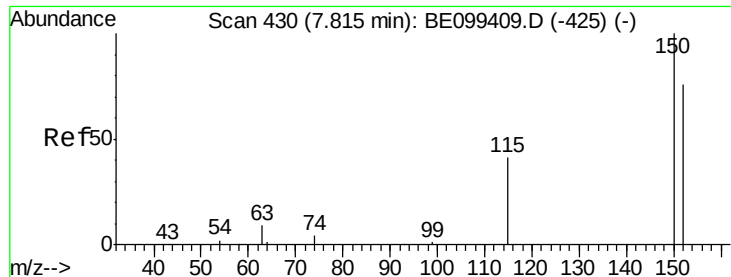
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

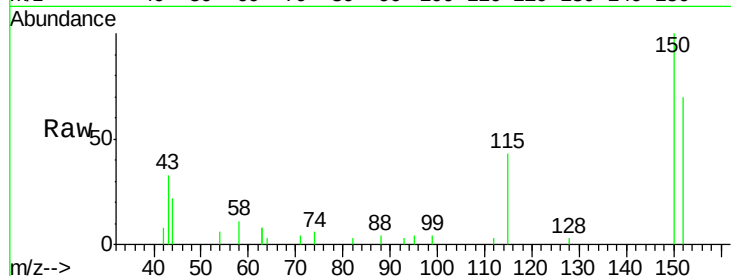
Tot Ion:152 Resp: 2584

Ion Ratio Lower Upper

152 100

150 143.8 104.8 157.2

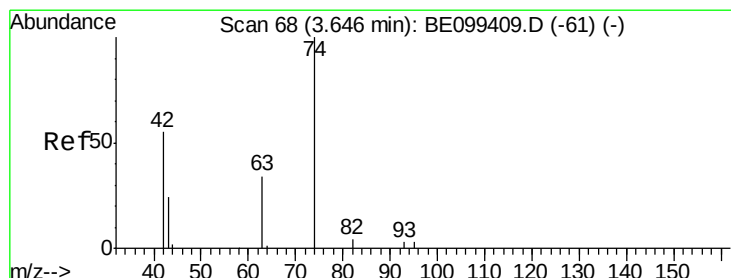
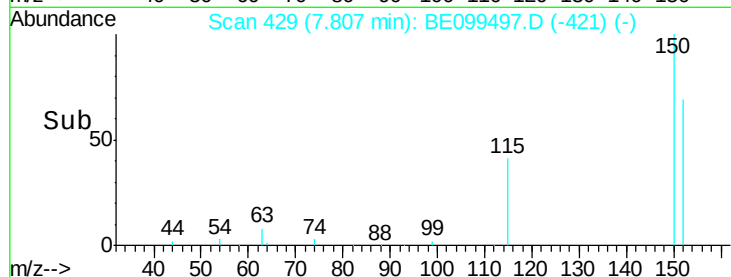
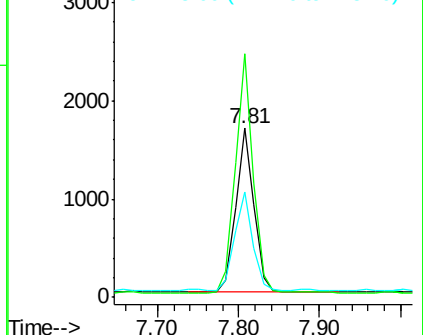
115 62.1 46.6 69.8



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: 0.039 ng

RT: 3.63 min Scan# 66

Delta R.T. -0.02 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

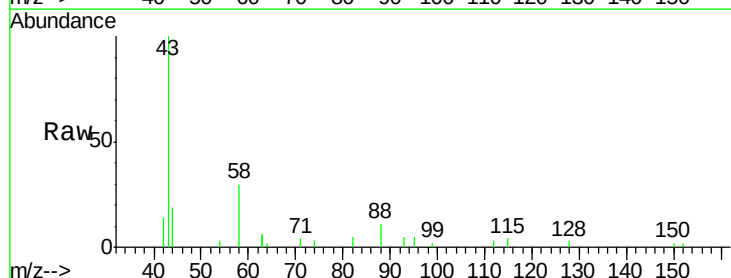
Tgt Ion: 42 Resp: 83

Ion Ratio Lower Upper

42 100

74 32.5 141.6 212.4#

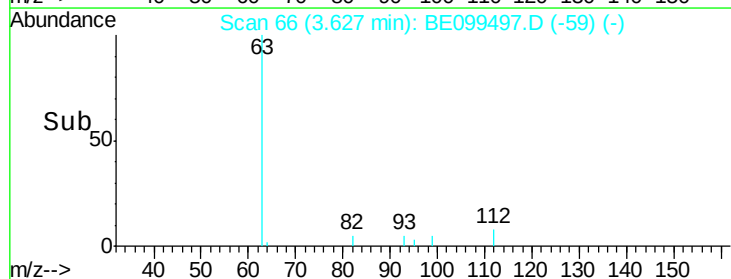
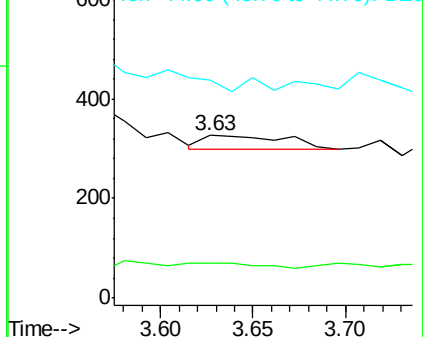
44 0.0 0.0 0.0

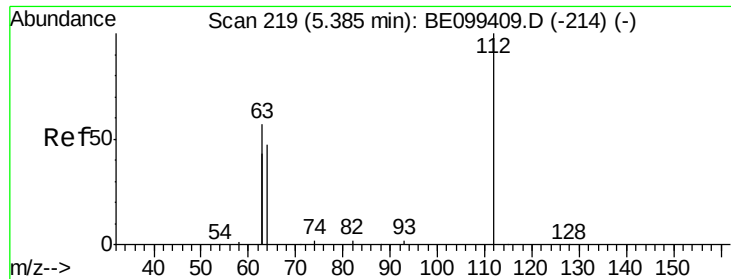


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.411 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

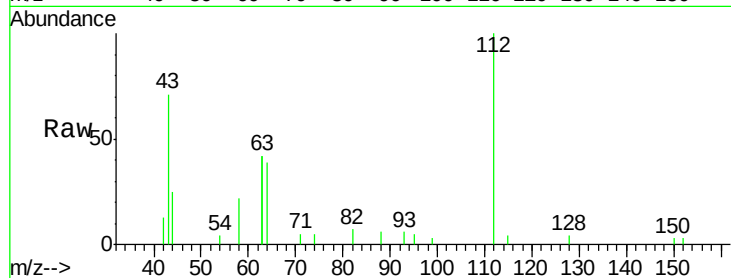
Tot Ion:112 Resp: 2937

Ion Ratio Lower Upper

112 100

64 57.0 47.4 71.0

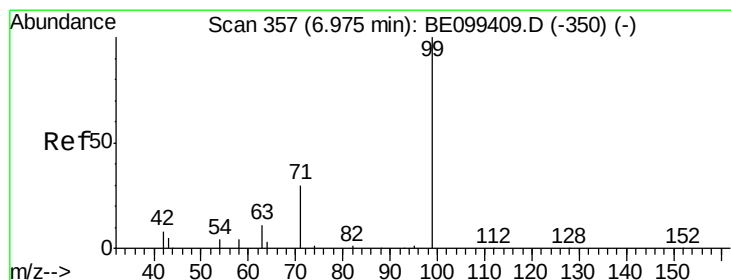
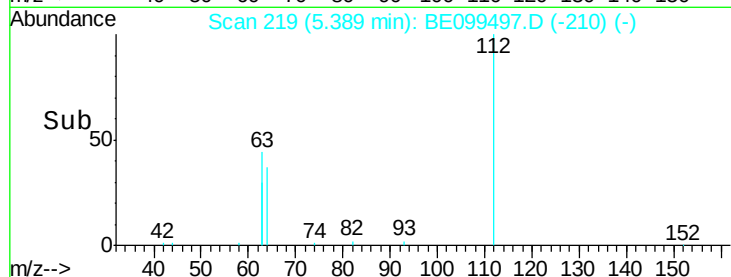
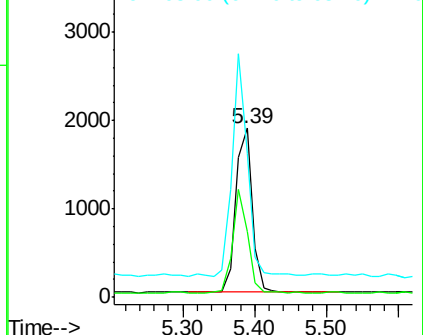
63 125.5 104.3 156.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.444 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

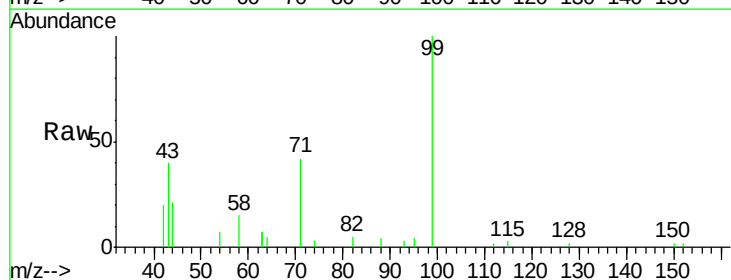
Tgt Ion: 99 Resp: 4219

Ion Ratio Lower Upper

99 100

42 18.6 14.9 22.3

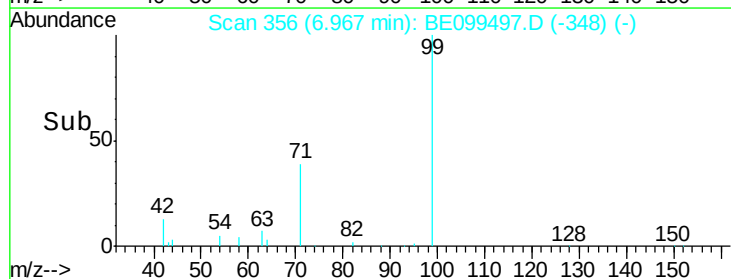
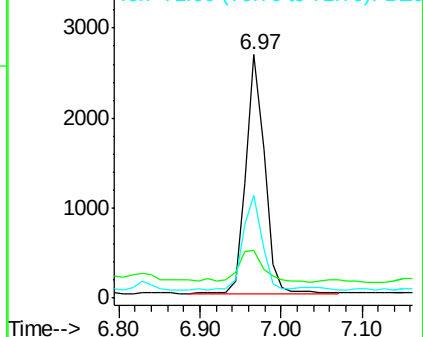
71 40.2 33.0 49.6

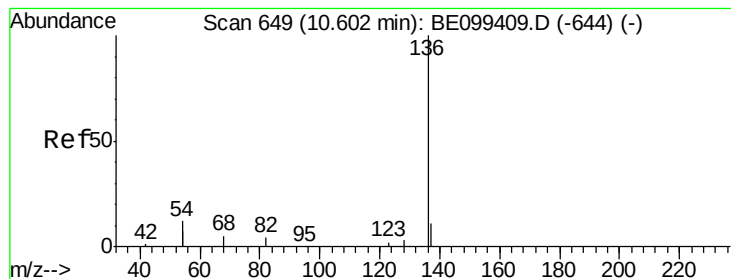


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

Tot Ion:136 Resp: 8946

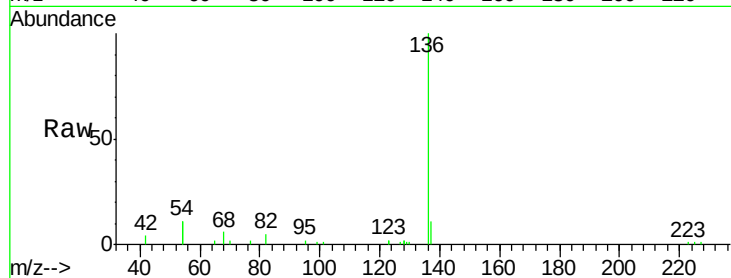
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 22.5 18.5 27.7

68 6.4 4.7 7.1

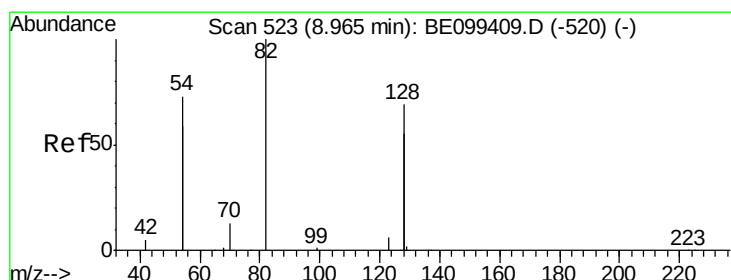
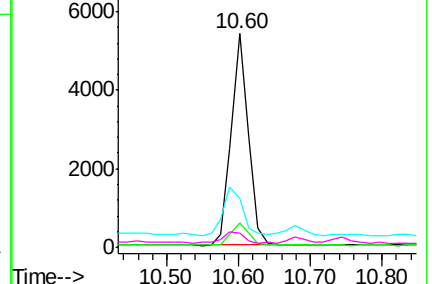
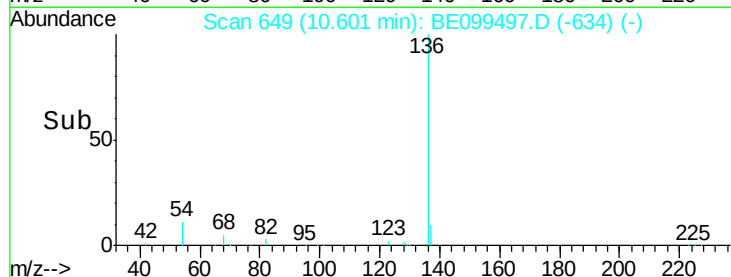


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.398 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

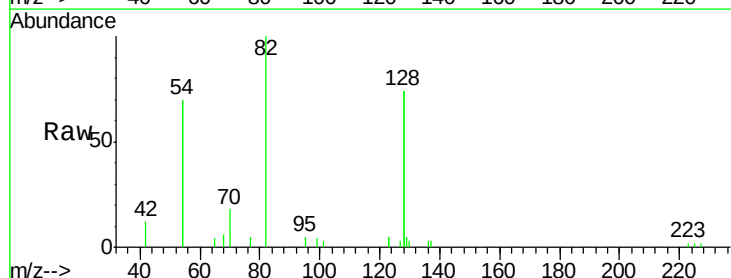
Tgt Ion: 82 Resp: 3340

Ion Ratio Lower Upper

82 100

128 148.1 107.0 160.4

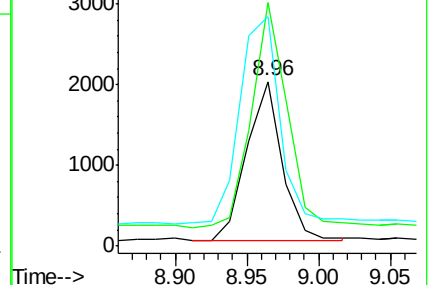
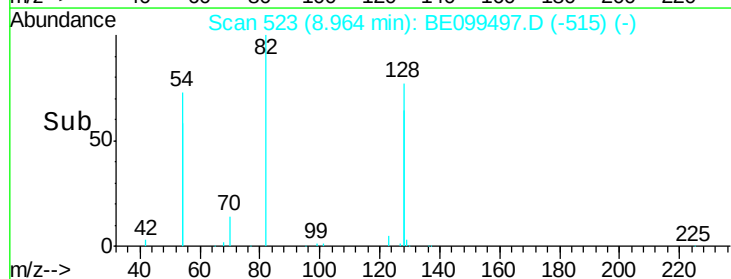
54 139.7 113.1 169.7

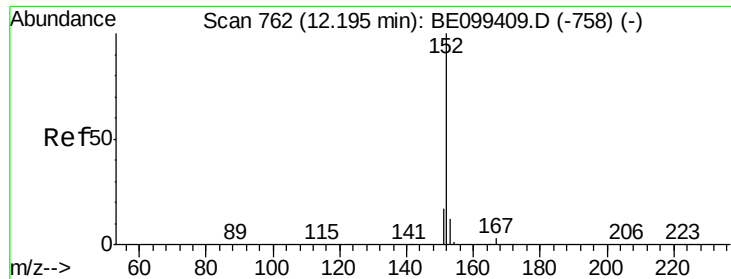


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

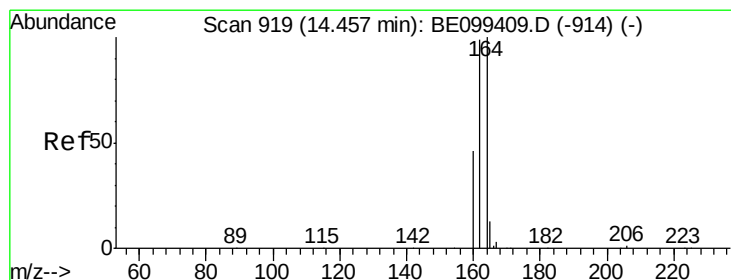
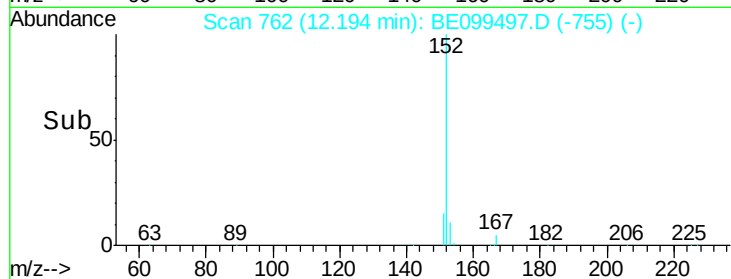
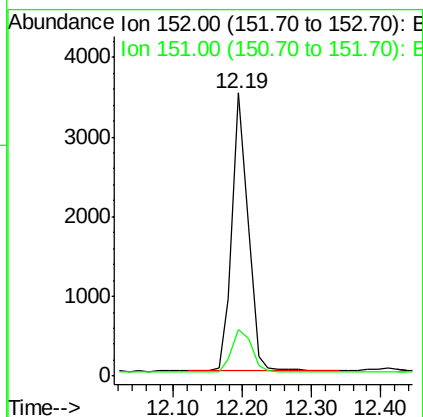
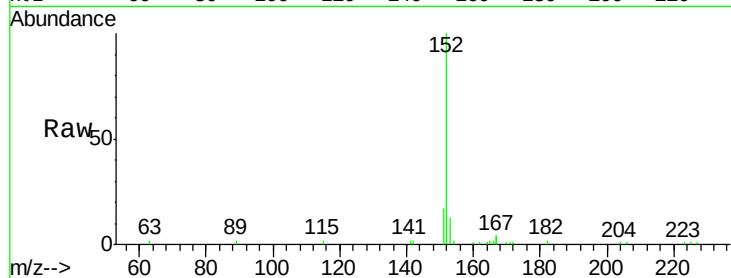




#11
 2-Methylnaphthalene-d10
 Concen: 0.353 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

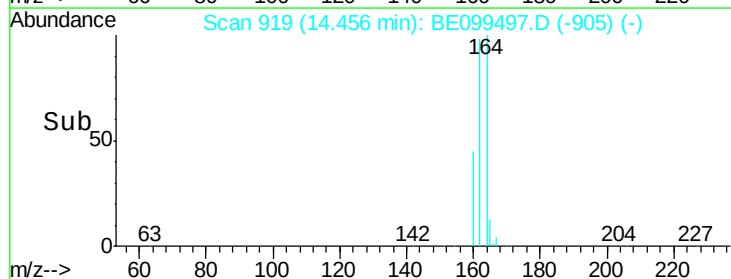
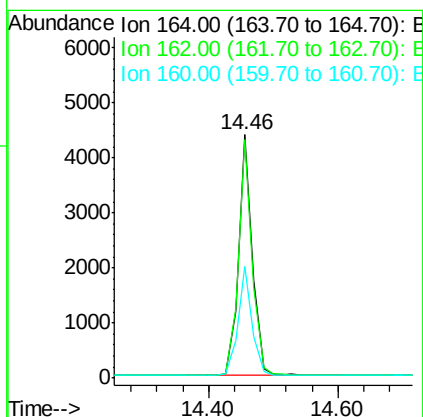
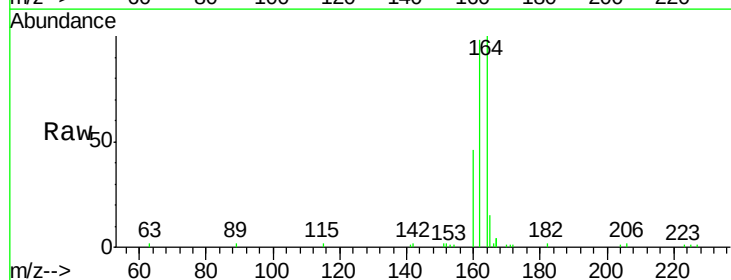
Instrument :
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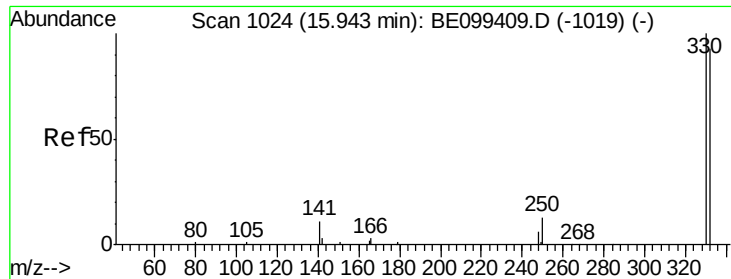
Tot Ion:152 Resp: 5686
 Ion Ratio Lower Upper
 152 100
 151 18.7 15.5 23.3



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Tgt Ion:164 Resp: 6456
 Ion Ratio Lower Upper
 164 100
 162 97.8 79.0 118.4
 160 46.0 37.0 55.4

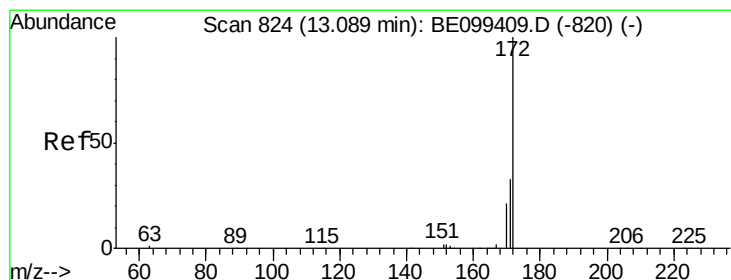
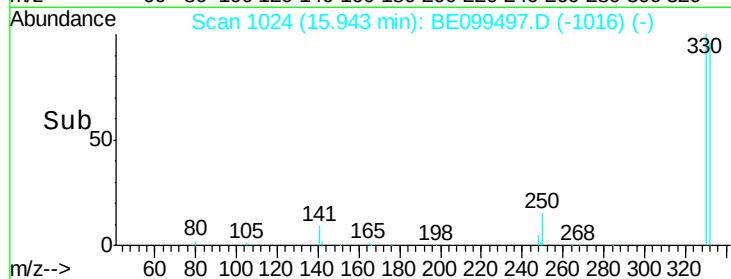
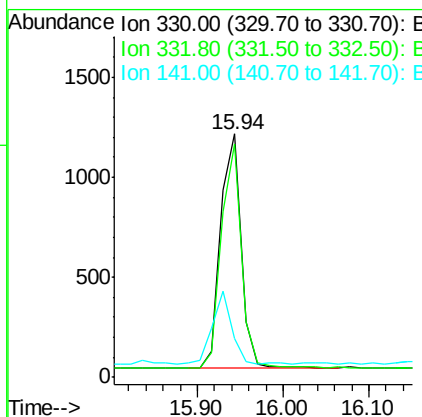
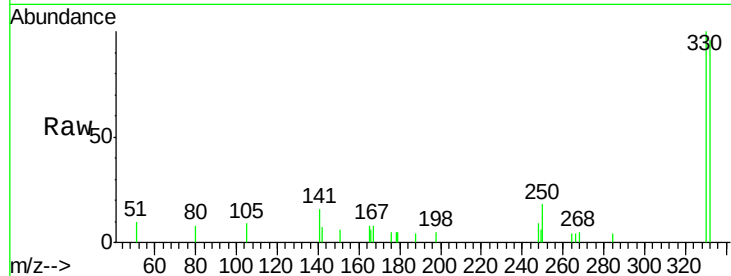




#14
 2,4,6-Tribromophenol
 Concen: 0.481 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

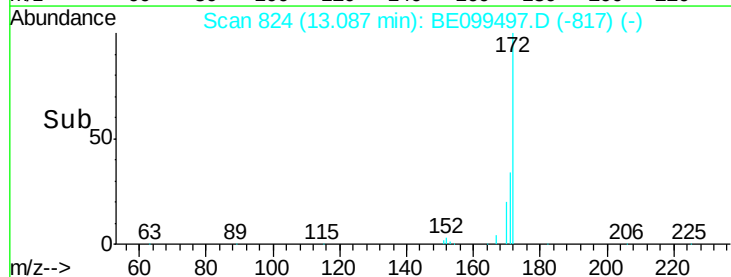
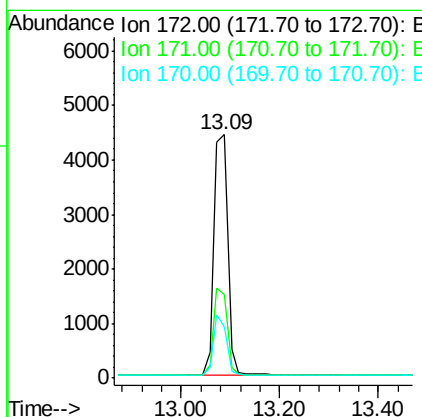
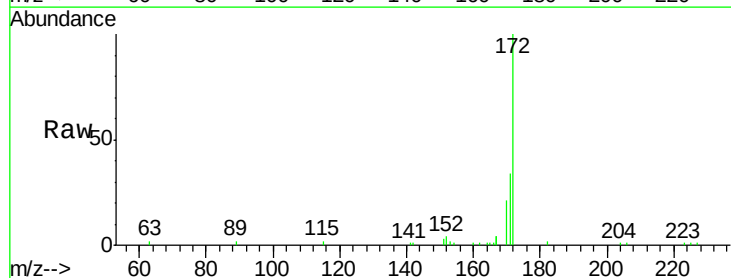
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519

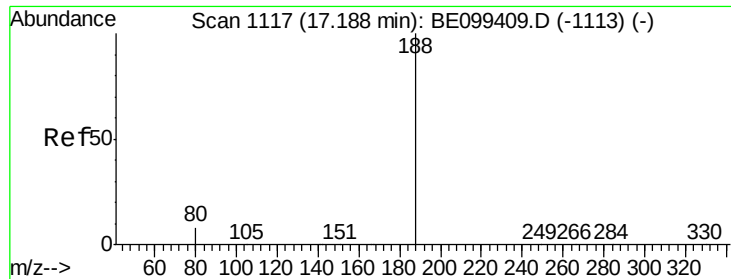
Tot Ion:330 Resp: 1957
 Ion Ratio Lower Upper
 330 100
 332 94.3 71.5 107.3
 141 28.9 24.0 36.0



#15
 2-Fluorobiphenyl
 Concen: 0.345 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Tgt Ion:172 Resp: 8503
 Ion Ratio Lower Upper
 172 100
 171 34.4 26.6 39.8
 170 21.0 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: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

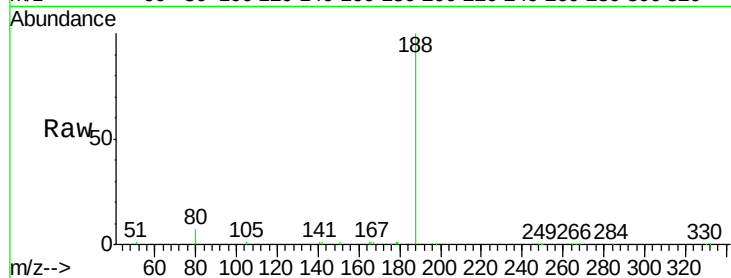
Tot Ion:188 Resp: 20569

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

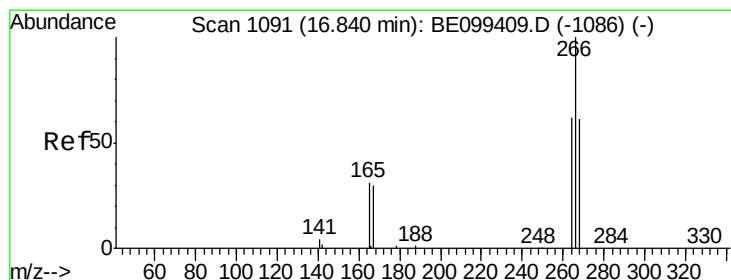
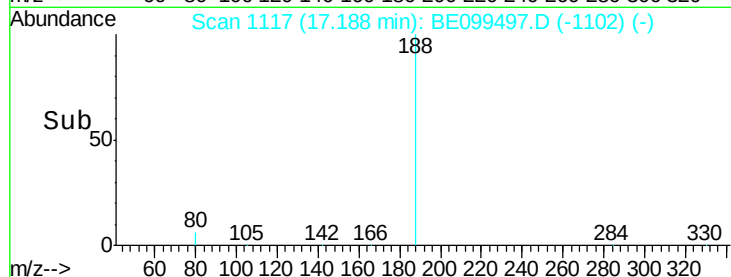
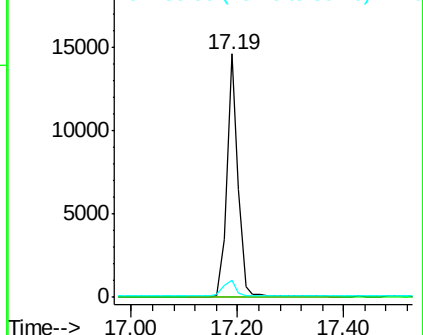
80 6.9 6.7 10.1



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: 0.227 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

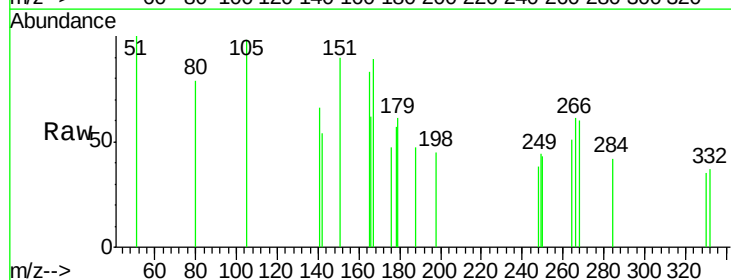
Tgt Ion:266 Resp: 76

Ion Ratio Lower Upper

266 100

264 83.3 50.8 76.2#

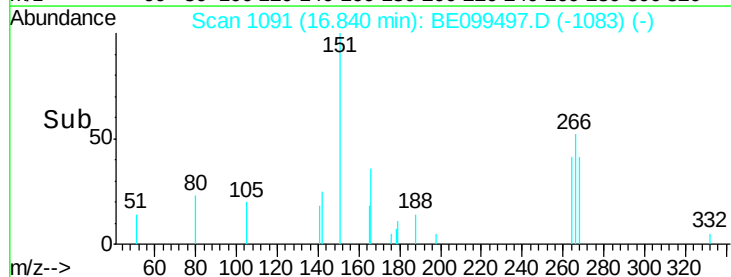
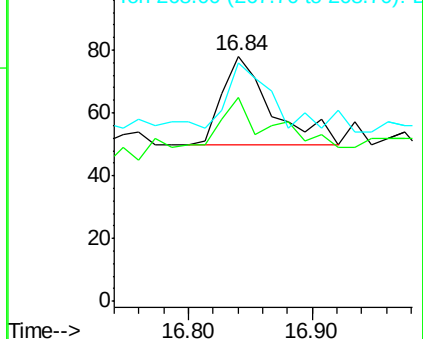
268 97.4 50.5 75.7#

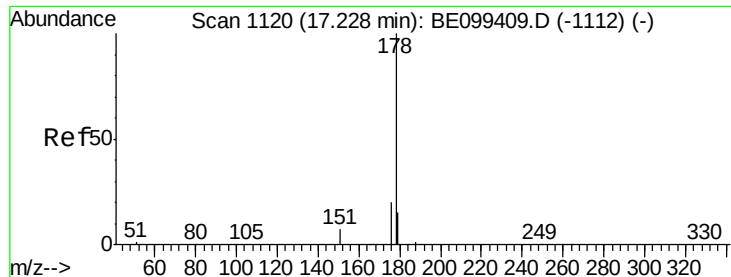


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.108 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

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ClientSampleId :

PST-001-B196-042519

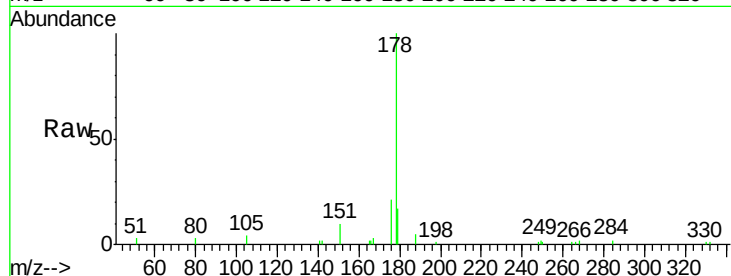
Tot Ion:178 Resp: 5725

Ion Ratio Lower Upper

178 100

176 20.3 15.6 23.4

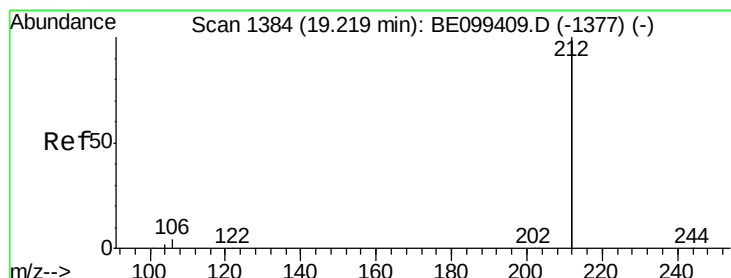
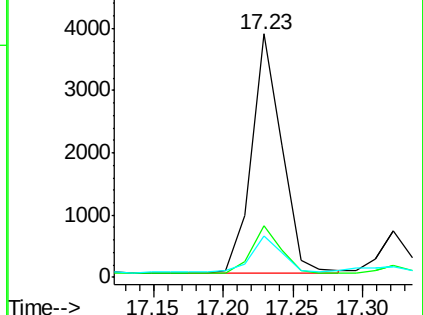
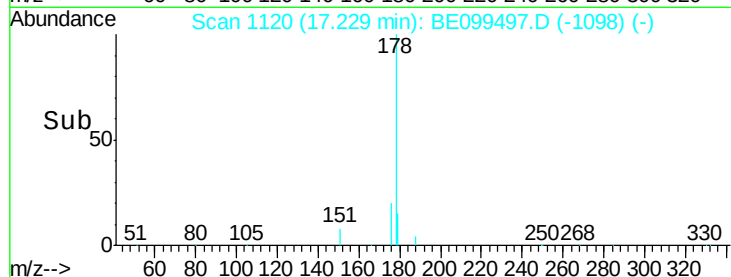
179 16.0 12.0 18.0



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: 0.332 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

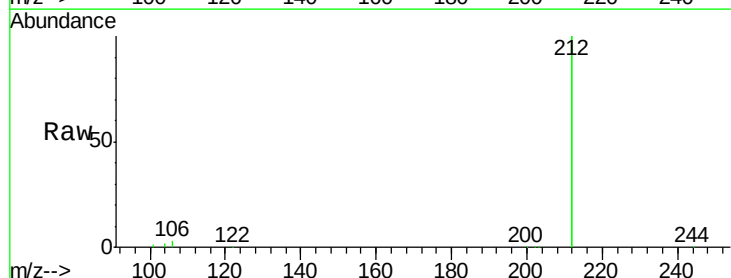
Tgt Ion:212 Resp: 91954

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

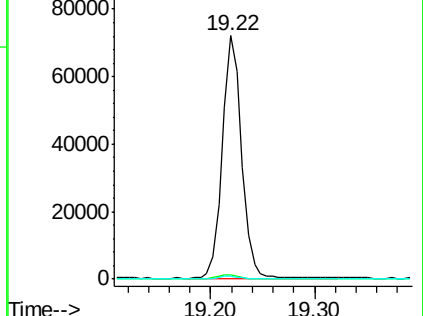
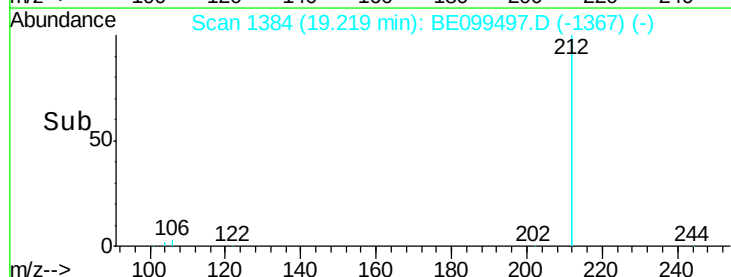
104 1.3 0.9 1.3

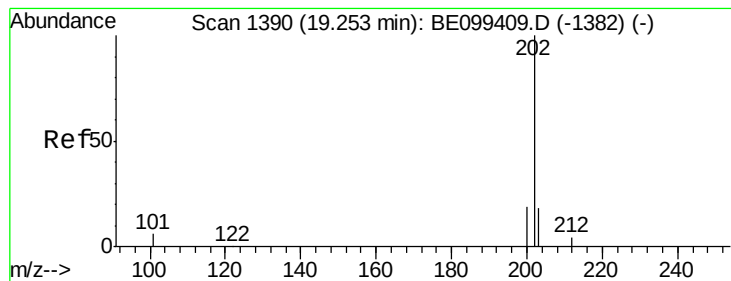


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.175 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

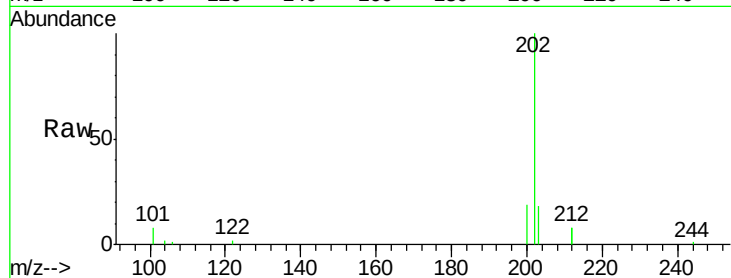
Tot Ion:202 Resp: 13943

Ion Ratio Lower Upper

202 100

101 8.1 5.4 8.0#

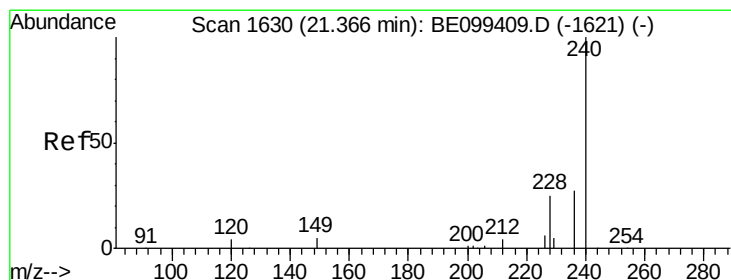
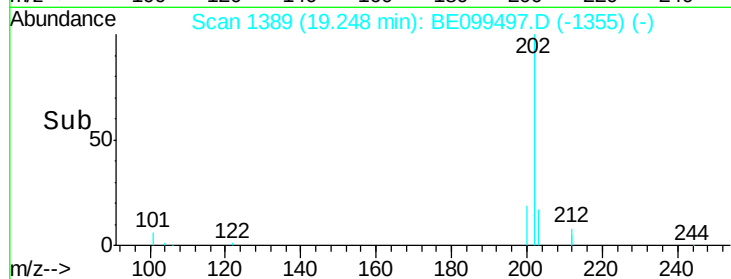
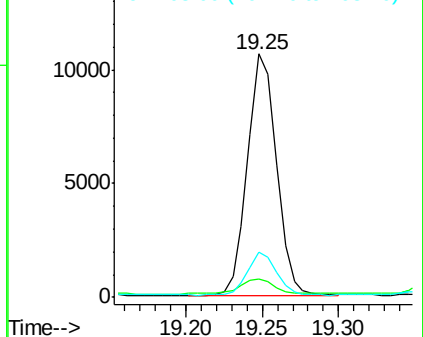
203 17.6 13.9 20.9



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: BE099497.D

Acq: 2 May 2019 17:33

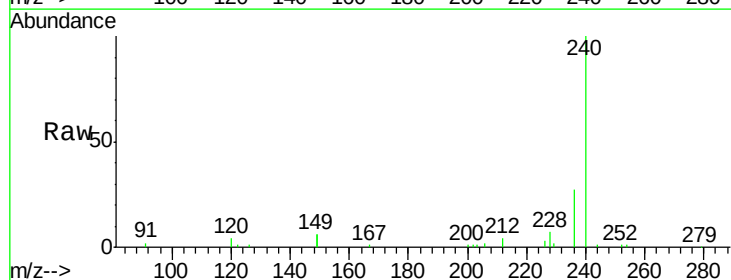
Tgt Ion:240 Resp: 29137

Ion Ratio Lower Upper

240 100

120 4.4 4.0 6.0

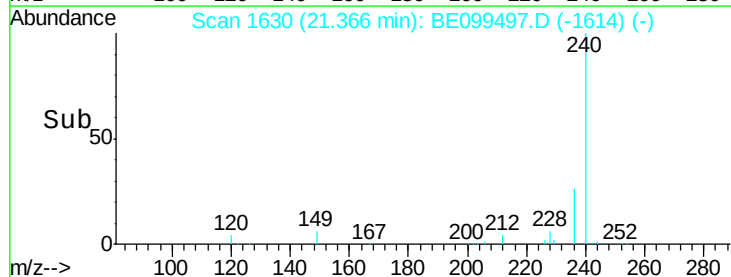
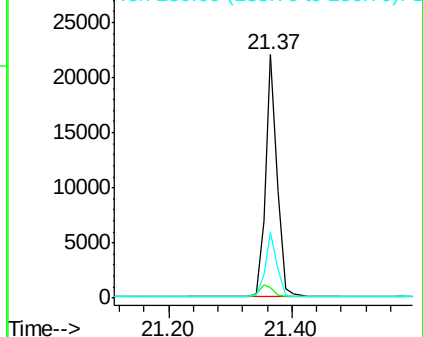
236 26.9 22.0 33.0

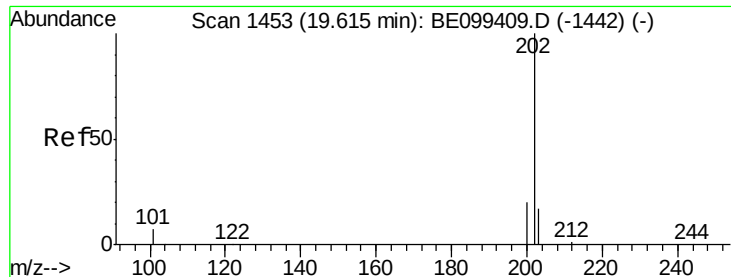


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

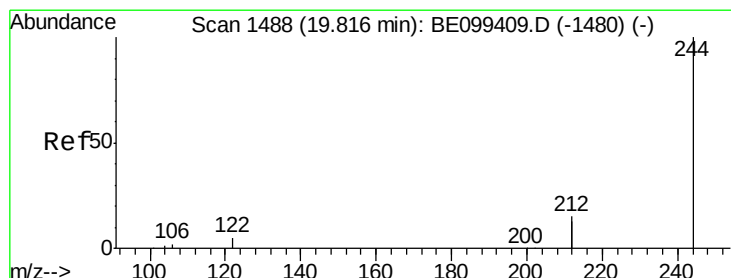
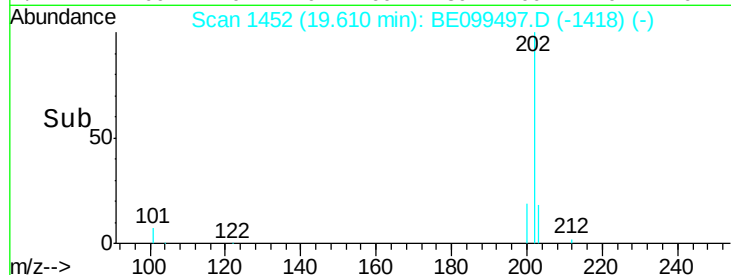
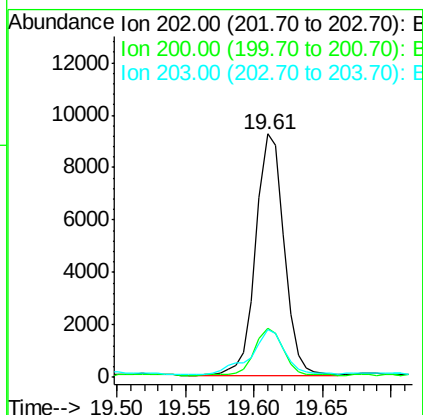
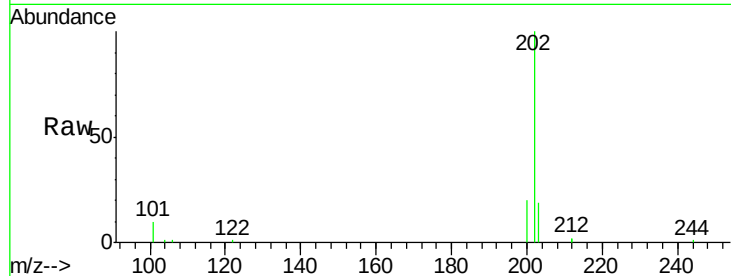




#28
Pvrene
Concen: 0.174 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

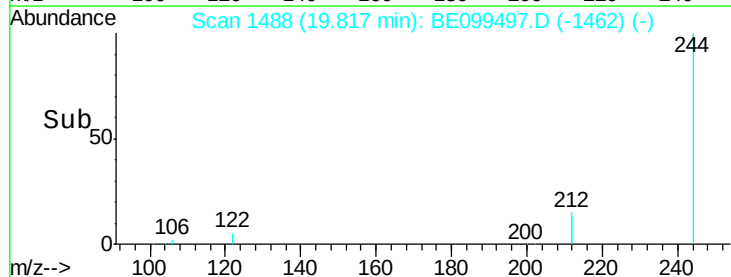
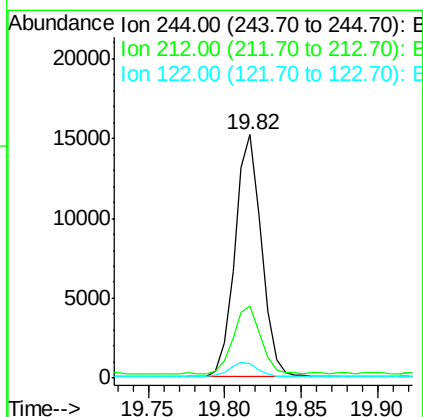
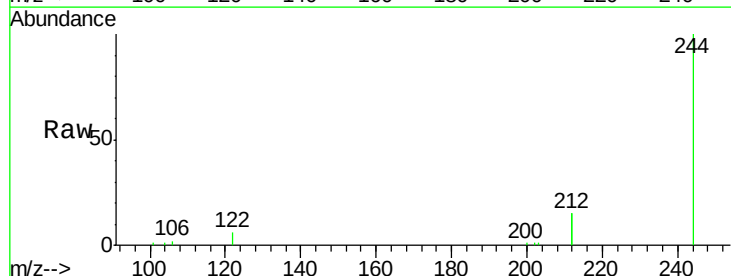
Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519

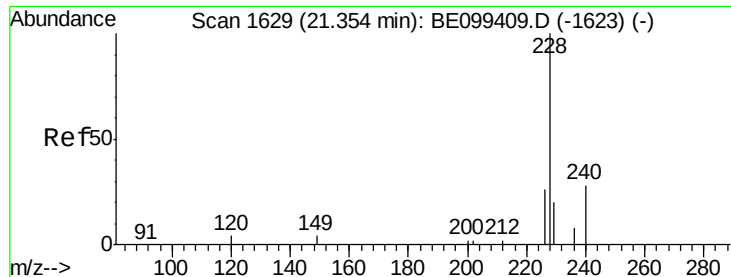
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	21.6	13.9	20.9



#29
Terphenyl-d14
Concen: 0.345 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.9	23.2	34.8
122	5.9	4.2	6.4





#30

Benzo(a)anthracene

Concen: 0.104 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

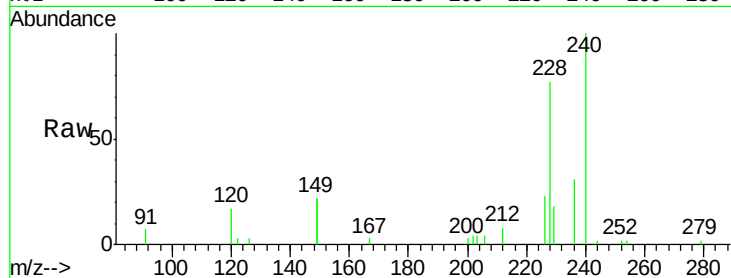
Tot Ion:228 Resp: 9609

Ion Ratio Lower Upper

228 100

226 30.0 21.0 31.6

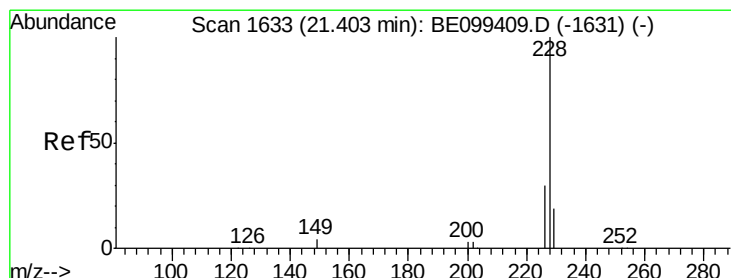
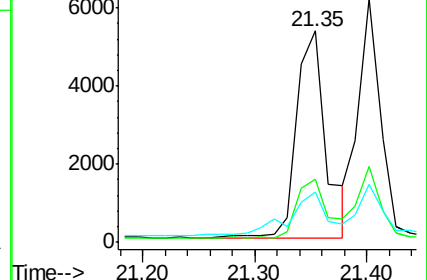
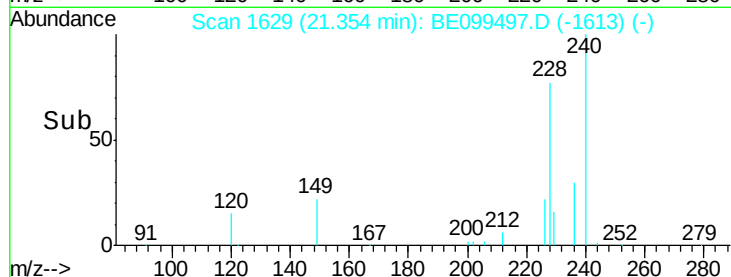
229 23.8 16.6 25.0



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: 0.091 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

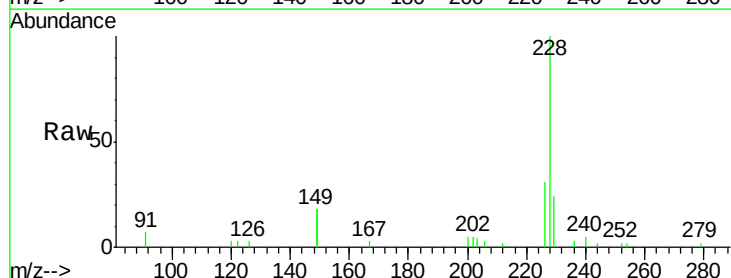
Tgt Ion:228 Resp: 8312

Ion Ratio Lower Upper

228 100

226 31.4 24.0 36.0

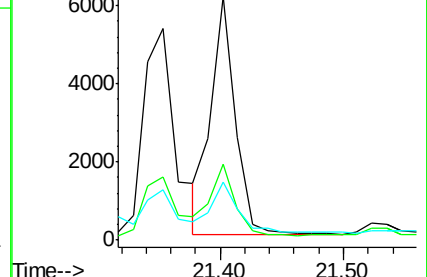
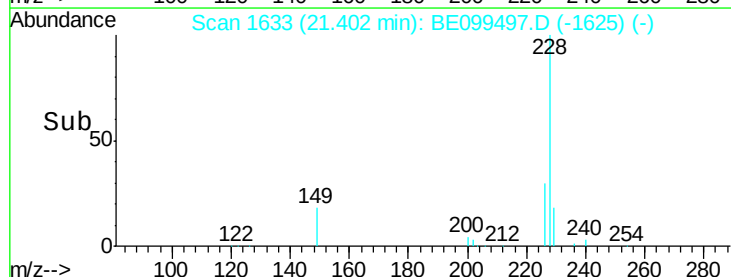
229 23.7 15.8 23.8

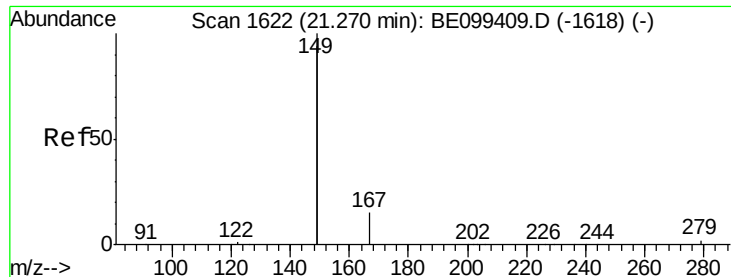


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.087 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

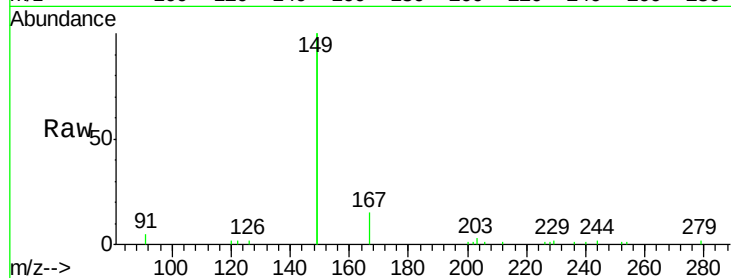
Tot Ion:149 Resp: 20734

Ion Ratio Lower Upper

149 100

167 7.2 5.8 8.6

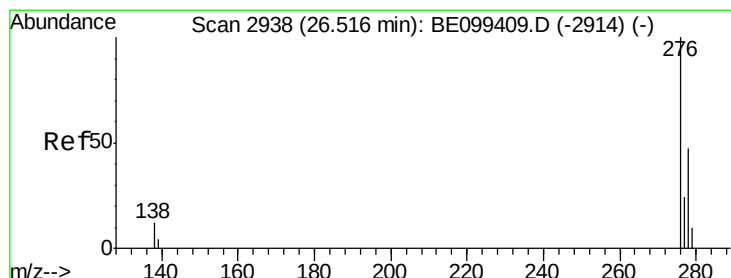
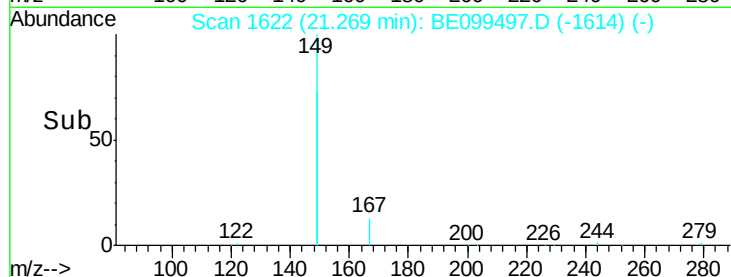
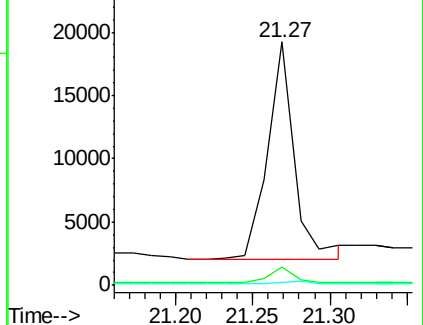
279 1.4 1.0 1.6



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: 0.043 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

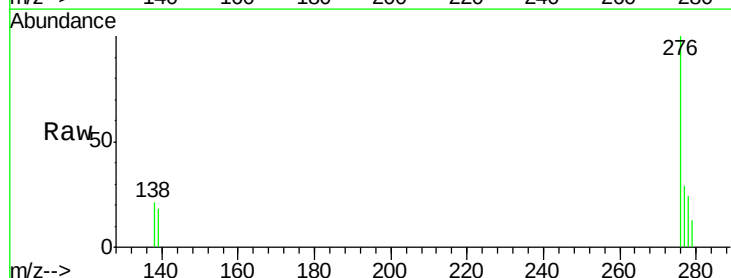
Tgt Ion:276 Resp: 4628

Ion Ratio Lower Upper

276 100

138 15.8 10.2 15.2#

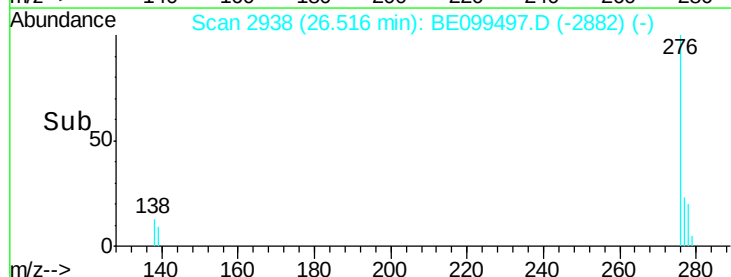
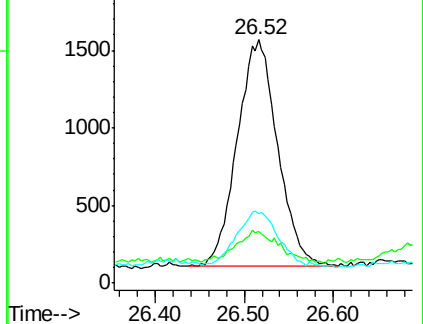
277 24.1 19.2 28.8

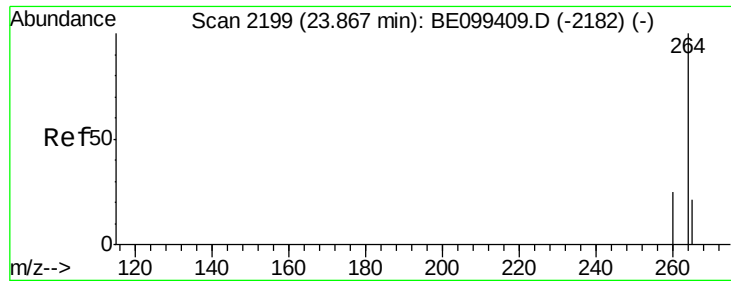


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

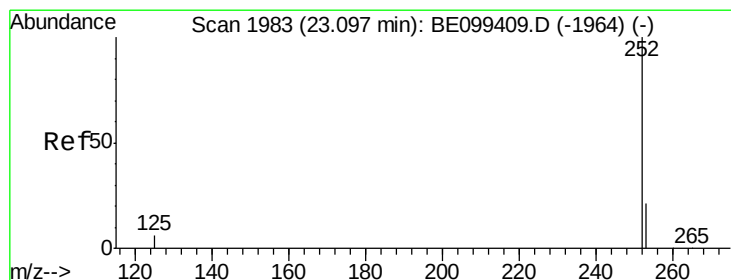
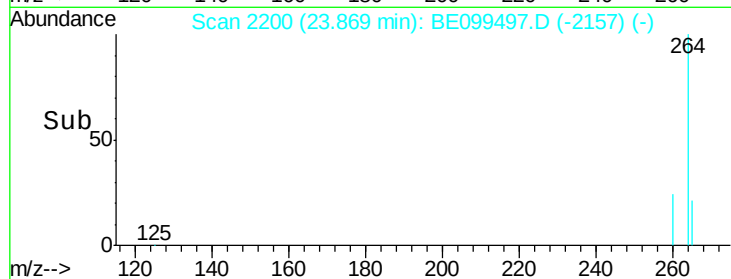
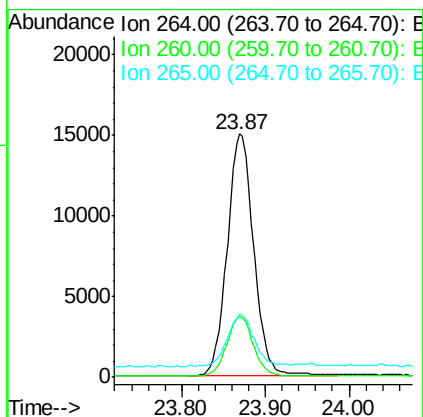
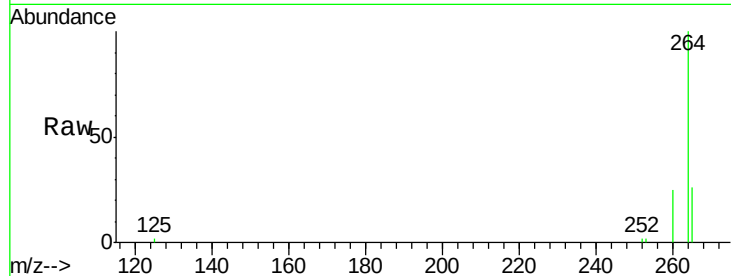




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

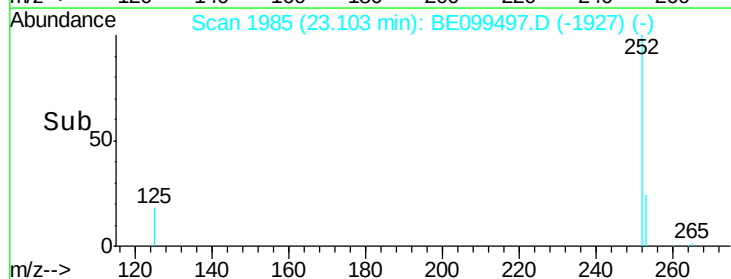
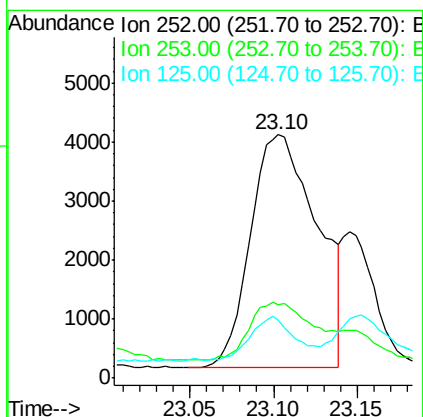
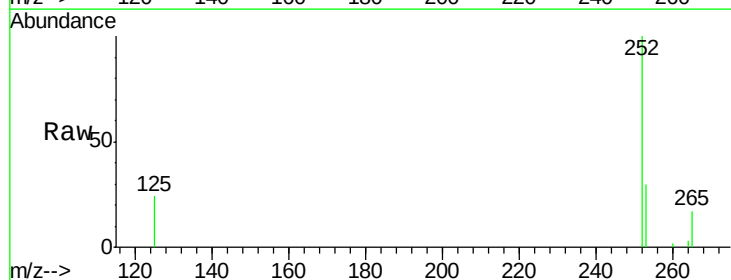
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519

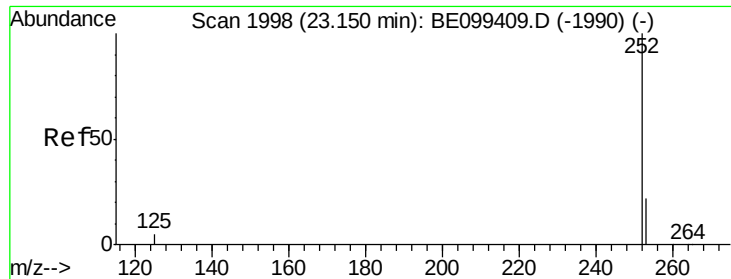
Tot Ion:264 Resp: 32728
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.2 30.2
 265 25.8 21.3 31.9



#35
 Benzo(b)fluoranthene
 Concen: 0.116 ng
 RT: 23.10 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Tgt Ion:252 Resp: 10938
 Ion Ratio Lower Upper
 252 100
 253 30.3 18.1 27.1#
 125 24.1 5.6 8.4#





#36

Benzo(k)fluoranthene

Concen: 0.120 ng

RT: 23.10 min Scan# 1985

Delta R.T. -0.05 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

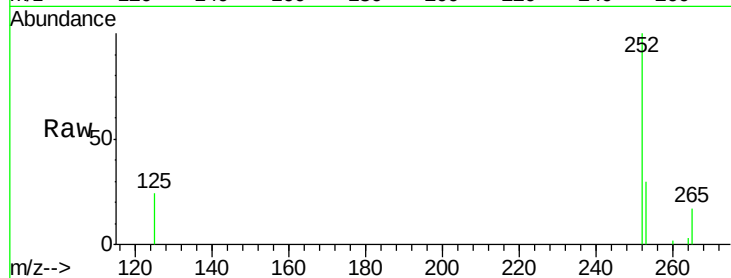
Tot Ion:252 Resp: 10938

Ion Ratio Lower Upper

252 100

253 30.3 18.4 27.6#

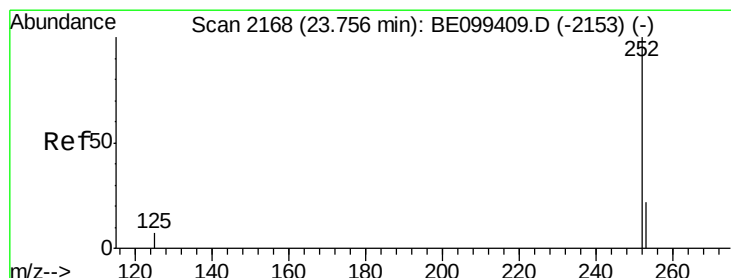
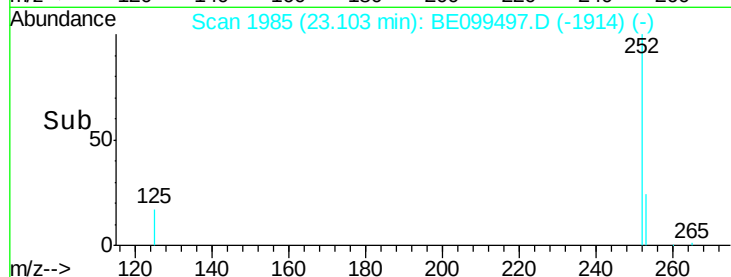
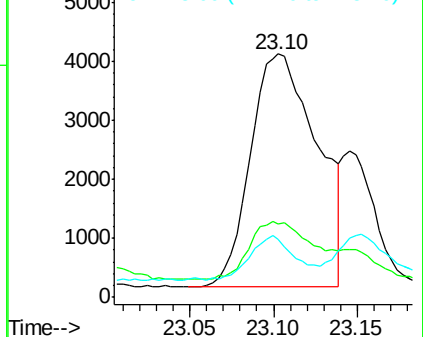
125 24.1 5.0 7.4#



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: 0.080 ng

RT: 23.75 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

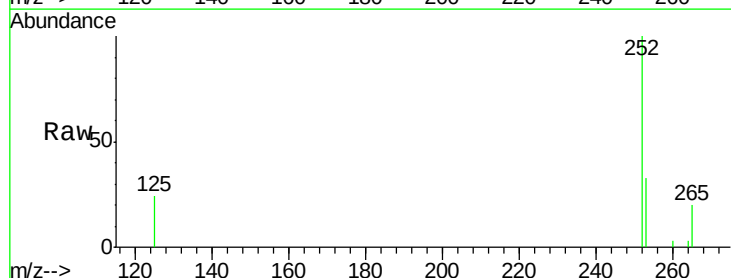
Tgt Ion:252 Resp: 7176

Ion Ratio Lower Upper

252 100

253 33.1 18.9 28.3#

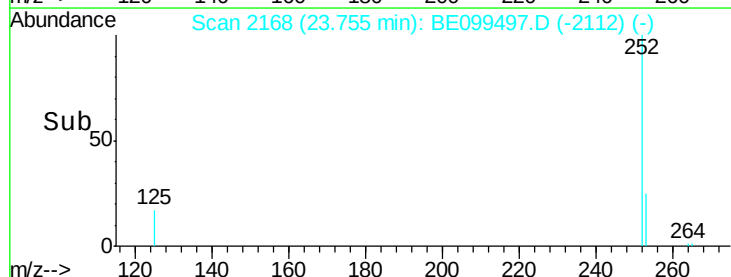
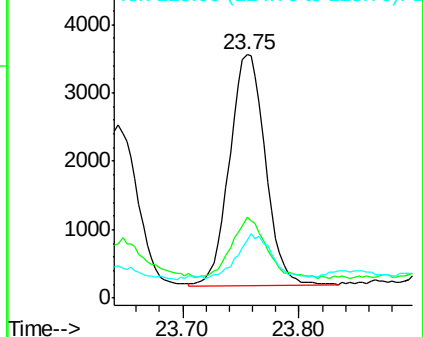
125 24.0 6.7 10.1#

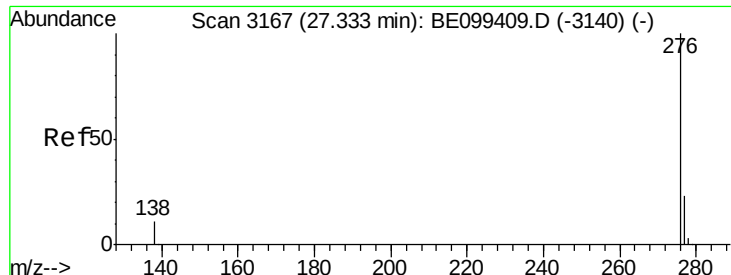


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.048 ng

RT: 27.33 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519

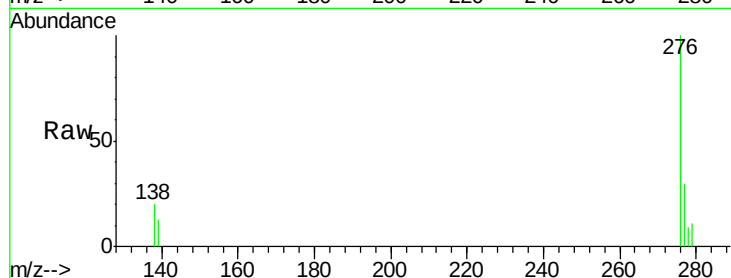
Tot Ion:276 Resp: 4421

Ion Ratio Lower Upper

276 100

277 29.5 19.5 29.3#

138 19.6 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

