

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099500.D
 Acq On : 2 May 2019 19:20
 Operator : JU/SJ
 Sample : K2533-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Quant Time: May 03 02:10:46 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	2245	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7990	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5775	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18197	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26590	0.40	ng	0.00
34) Perylene-d12	23.87	264	30578	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1837	0.30	ng	0.00
5) Phenol-d6	6.96	99	2497	0.30	ng	-0.01
8) Nitrobenzene-d5	8.97	82	2077	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	3664	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1114	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	5481	0.25	ng	-0.01
25) Fluoranthene-d10	19.22	212	64140	0.26	ng	0.00
29) Terphenyl-d14	19.82	244	13553	0.28	ng	0.00

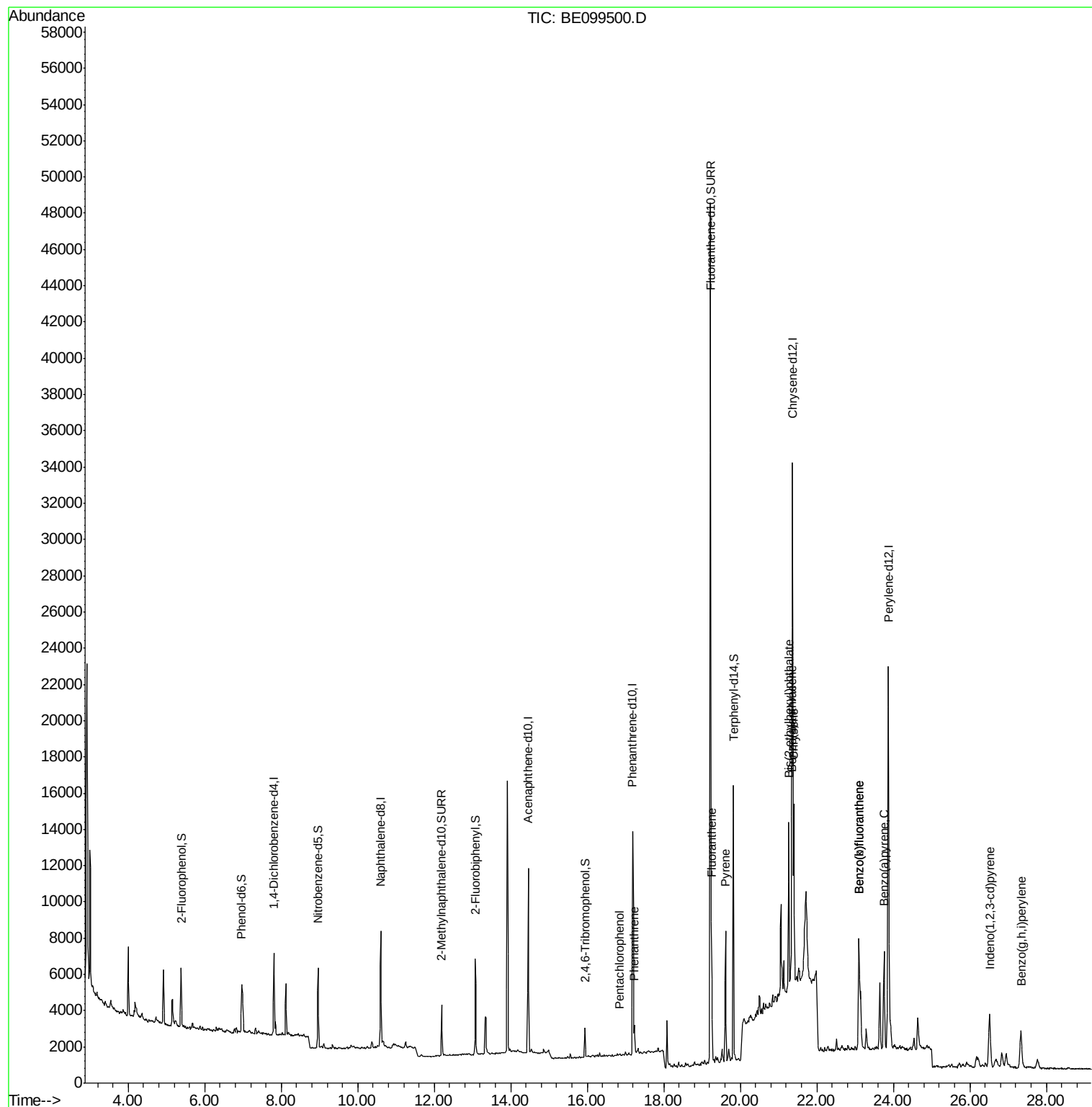
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.84	266	33	0.221	ng	# 56
23) Phenanthrene	17.23	178	1591	0.034	ng	# 94
26) Fluoranthene	19.25	202	6170	0.088	ng	# 98
28) Pyrene	19.61	202	7083	0.102	ng	# 93
30) Benzo(a)anthracene	21.34	228	8455	0.100	ng	94
31) Chrysene	21.40	228	9296	0.112	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	12171	0.030	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	5478	0.056	ng	97
35) Benzo(b)fluoranthene	23.10	252	11333	0.129	ng	# 77
36) Benzo(k)fluoranthene	23.10	252	11333	0.133	ng	# 77
37) Benzo(a)pyrene	23.76	252	8251	0.099	ng	# 79
39) Benzo(a,h,i)perylene	27.34	276	5270	0.062	ng	# 86

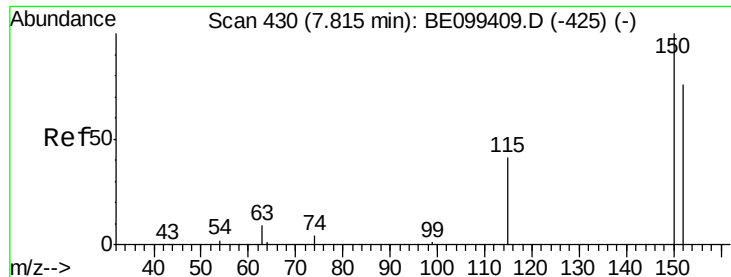
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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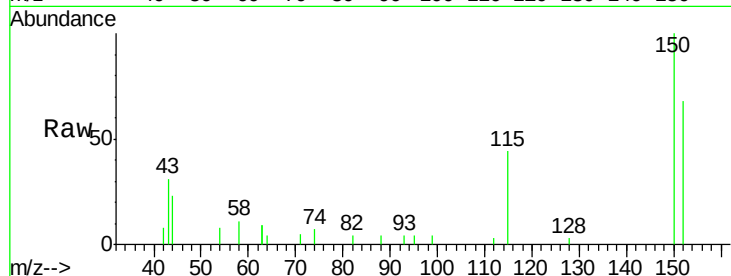


#1

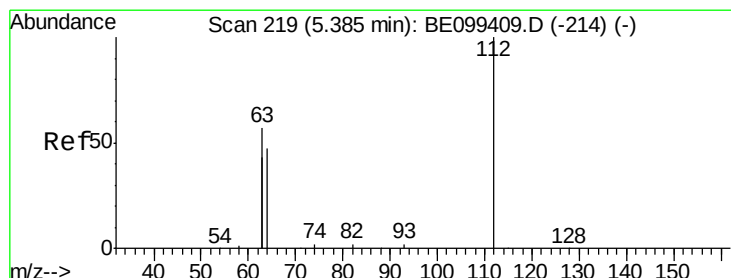
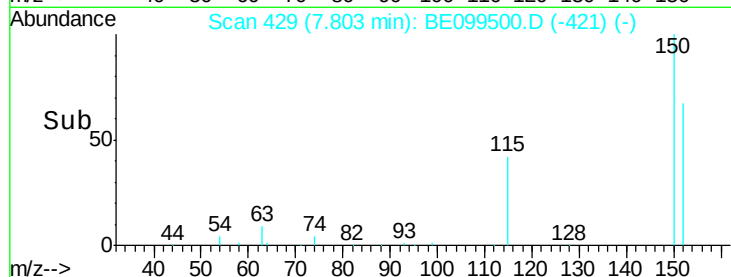
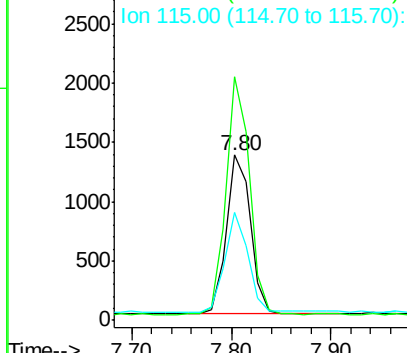
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Instrument :
BNA_E
ClientSampleId :
PST-028-B010-042219

Tot Ion:152 Resp: 2245
Ion Ratio Lower Upper
152 100
150 147.3 104.8 157.2
115 65.1 46.6 69.8



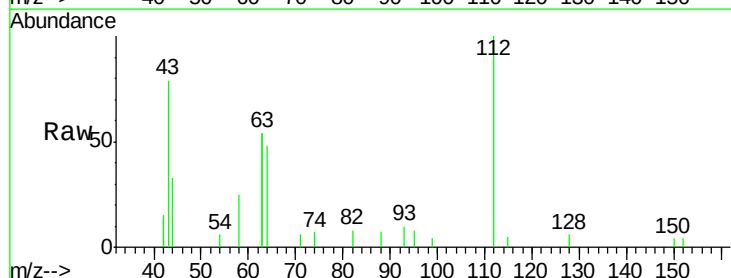
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



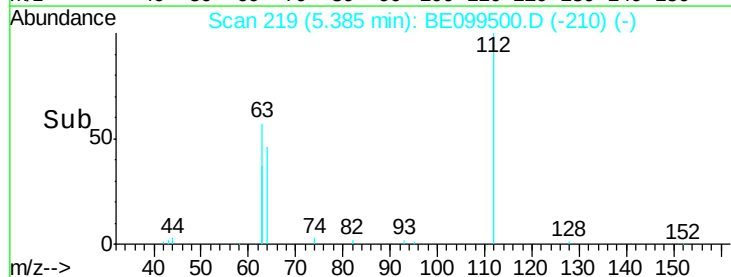
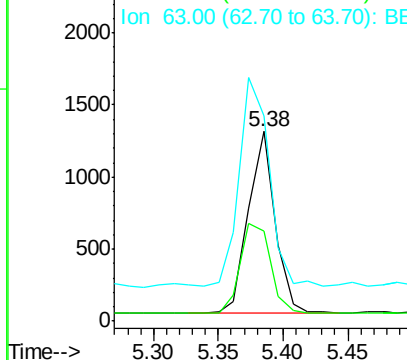
#4

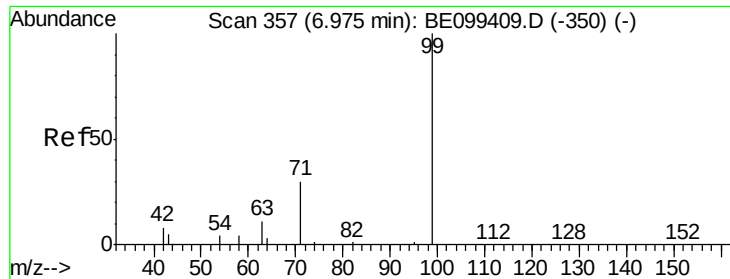
2-Fluorophenol
Concen: 0.296 ng
RT: 5.38 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Tgt Ion:112 Resp: 1837
Ion Ratio Lower Upper
112 100
64 56.3 47.4 71.0
63 125.6 104.3 156.5



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: 0.302 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

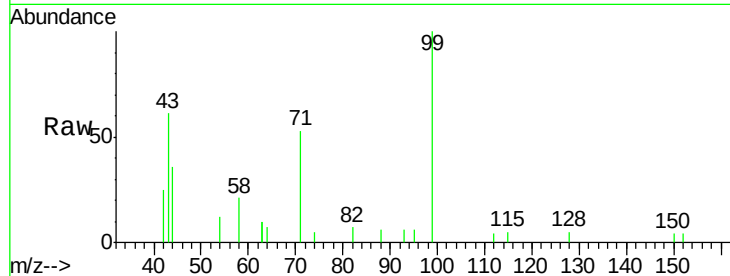
Tot Ion: 99 Resp: 2497

Ion Ratio Lower Upper

99 100

42 19.8 14.9 22.3

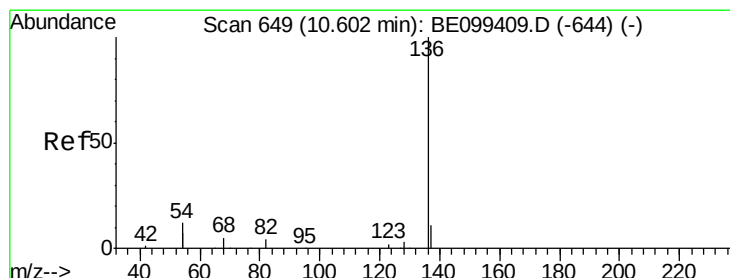
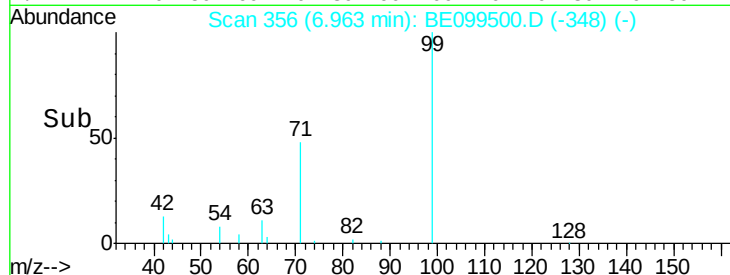
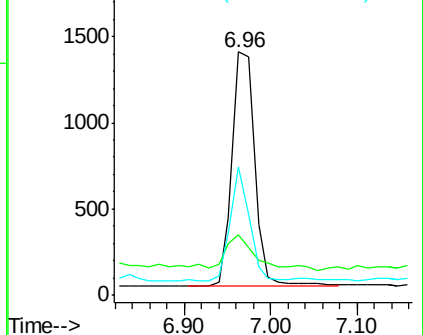
71 40.3 33.0 49.6



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# 650

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Tgt Ion: 136 Resp: 7990

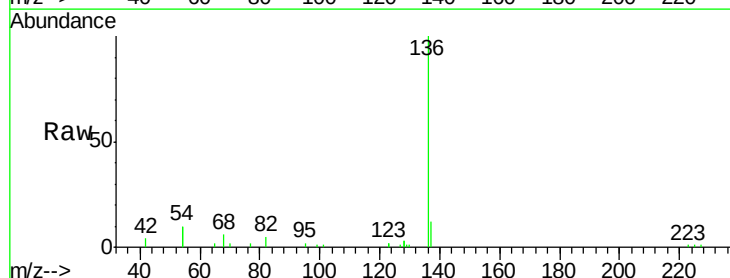
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 20.8 18.5 27.7

68 5.7 4.7 7.1

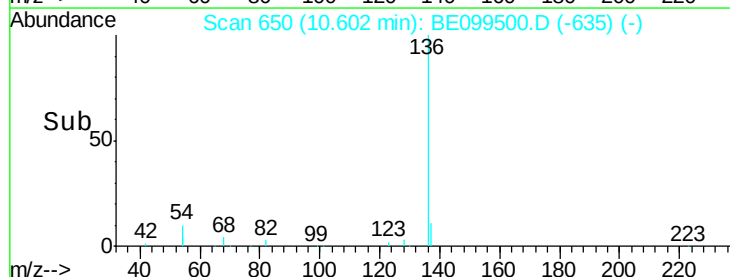
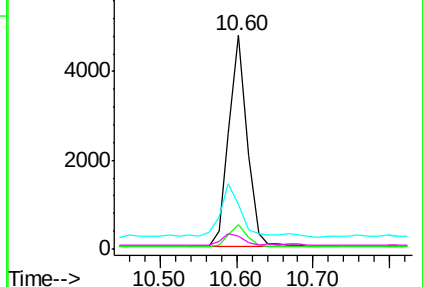


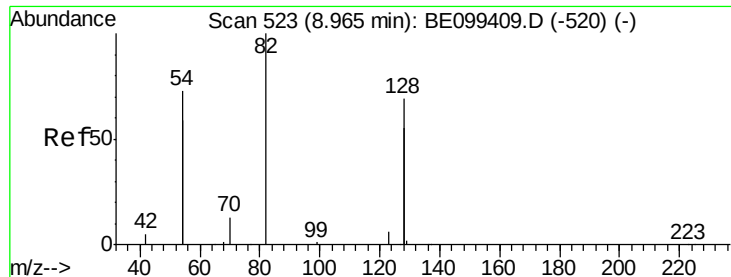
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.277 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

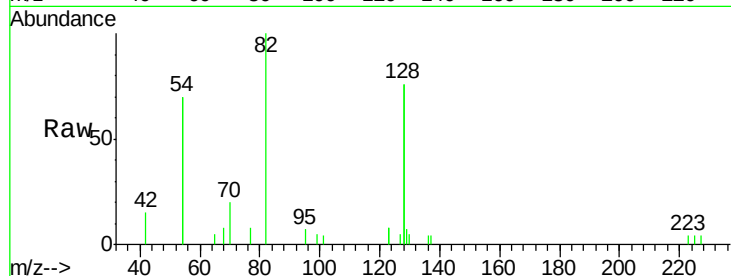
Tot Ion: 82 Resp: 2077

Ion Ratio Lower Upper

82 100

128 151.1 107.0 160.4

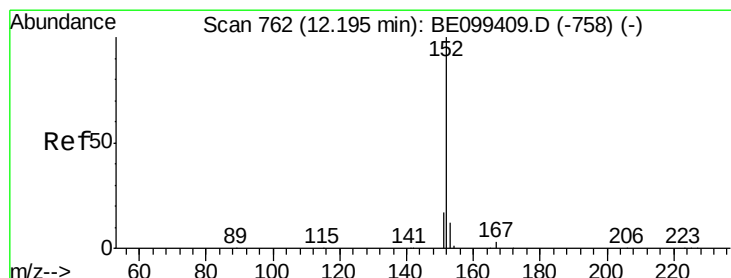
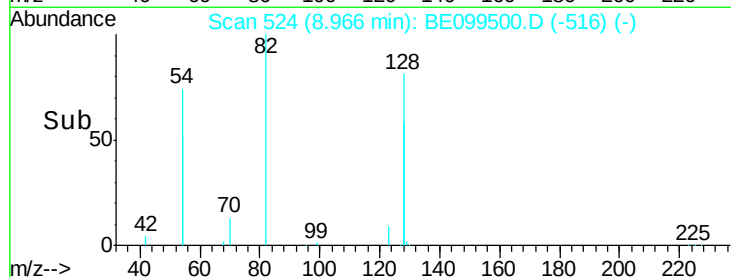
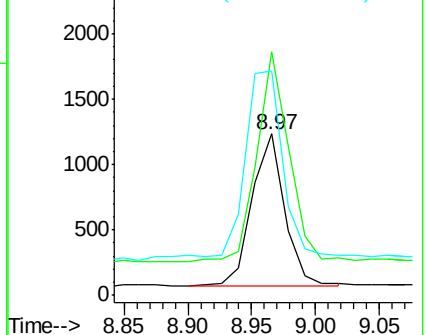
54 139.3 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE099409.D (-520) (-)

Ion 128.00 (127.70 to 128.70): BE099409.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099409.D (-520) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.255 ng

RT: 12.20 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE099500.D

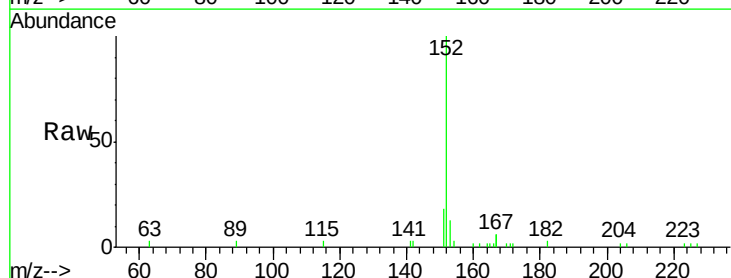
Acq: 2 May 2019 19:20

Tgt Ion: 152 Resp: 3664

Ion Ratio Lower Upper

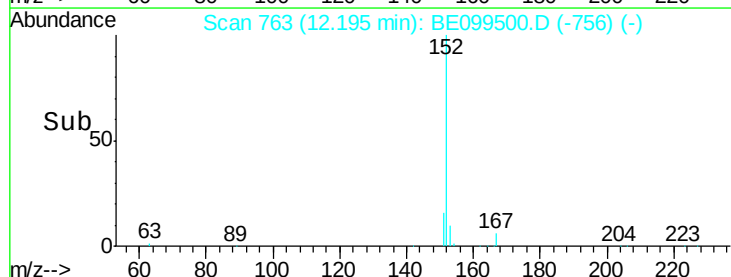
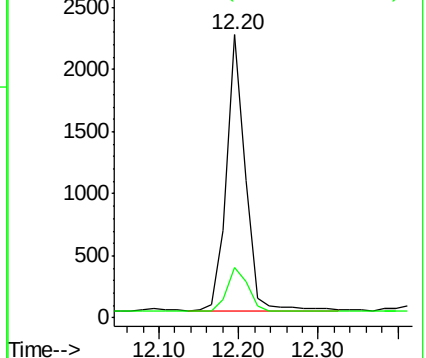
152 100

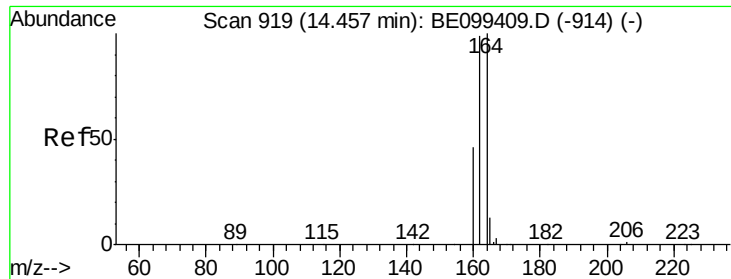
151 17.8 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BE099409.D (-758) (-)

Ion 151.00 (150.70 to 151.70): BE099409.D (-758) (-)

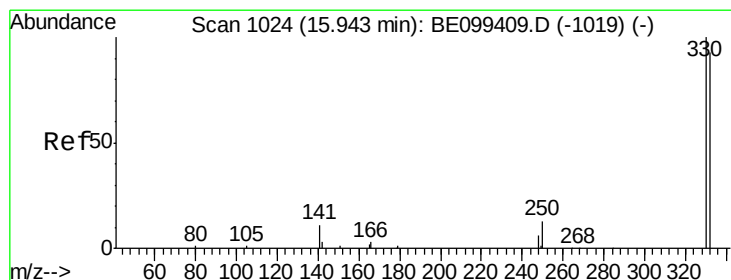
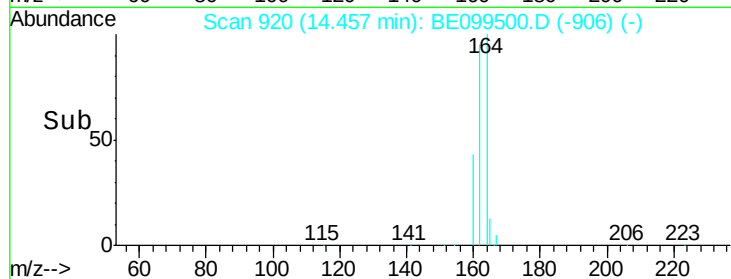
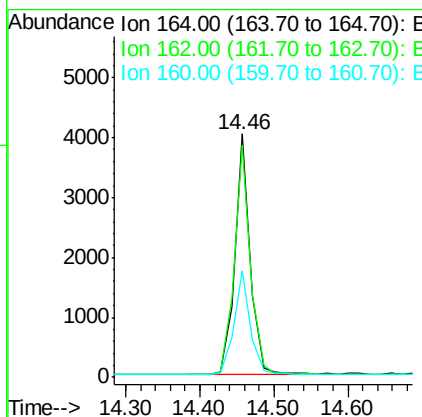
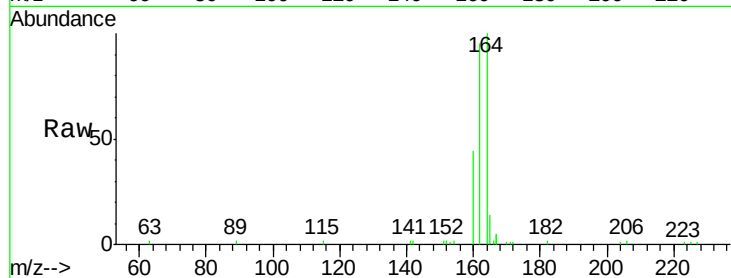




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

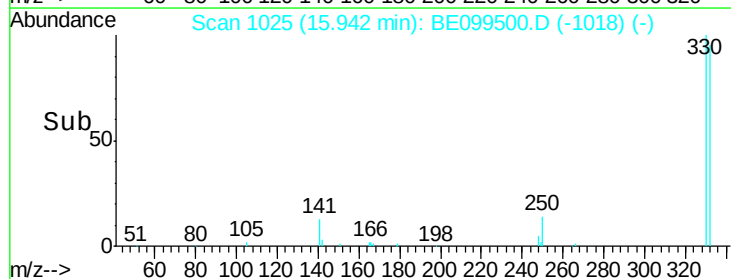
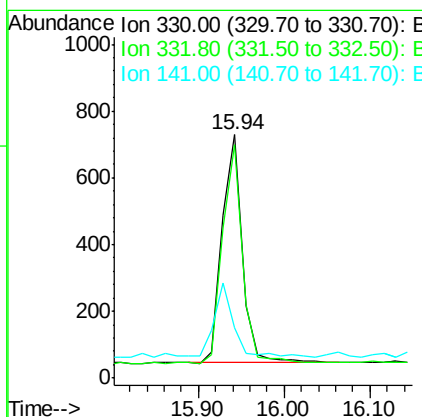
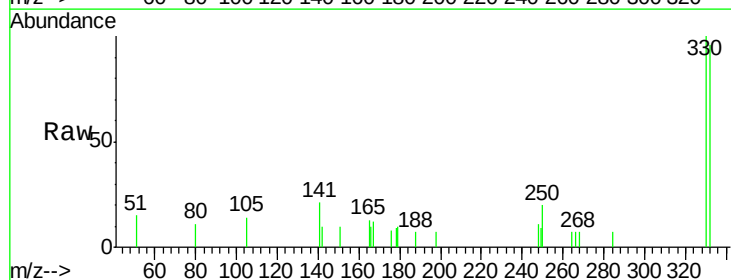
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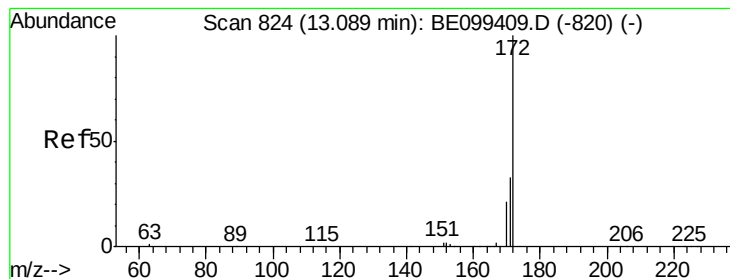
Tot Ion:164 Resp: 5775
 Ion Ratio Lower Upper
 164 100
 162 95.2 79.0 118.4
 160 44.0 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.306 ng
 RT: 15.94 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Tgt Ion:330 Resp: 1114
 Ion Ratio Lower Upper
 330 100
 332 94.6 71.5 107.3
 141 28.7 24.0 36.0

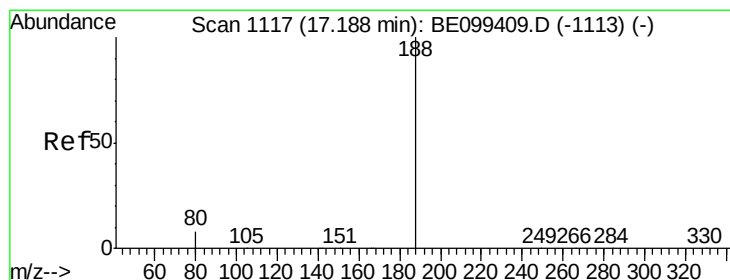
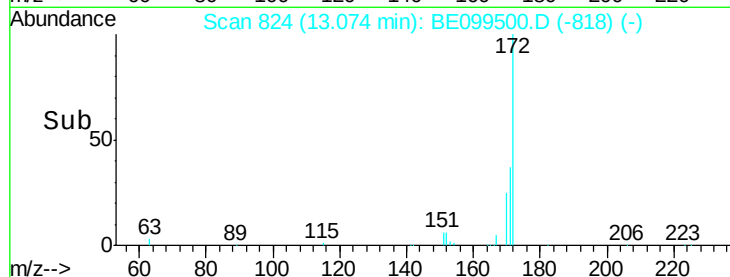
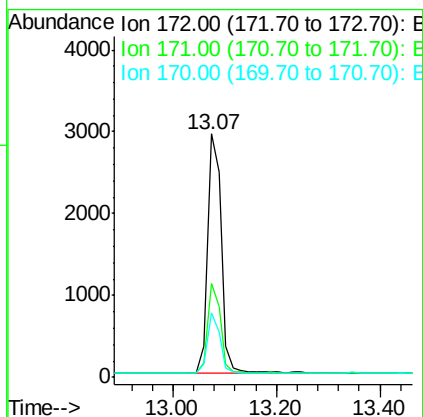
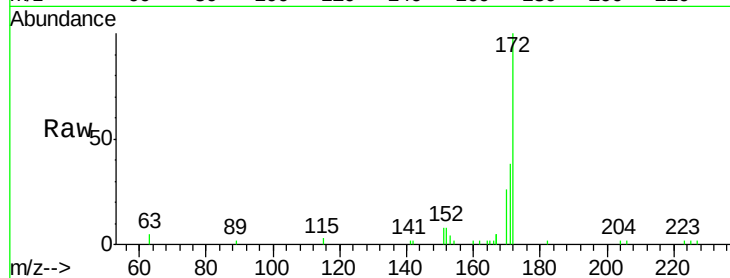




#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 13.07 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

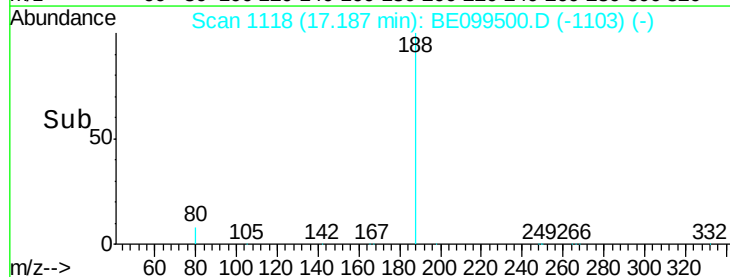
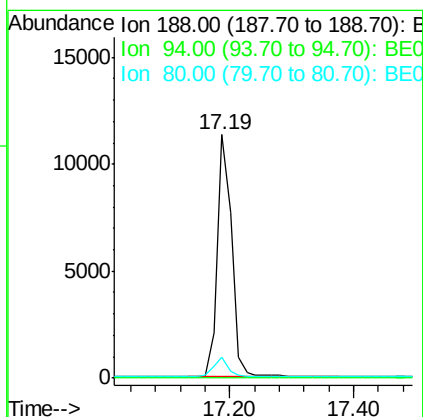
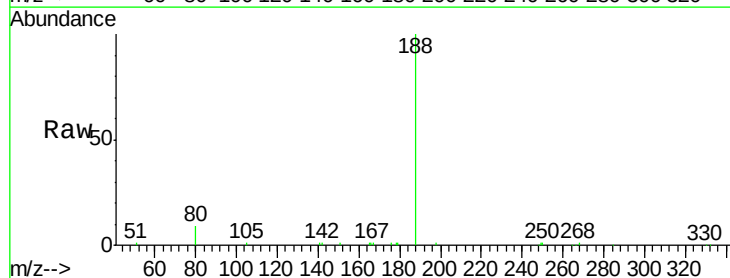
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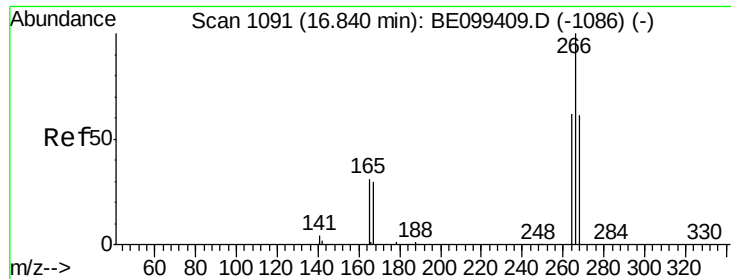
Tot Ion:172 Resp: 5481
Ion Ratio Lower Upper
172 100
171 38.3 26.6 39.8
170 26.5 17.0 25.6#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Tgt Ion:188 Resp: 18197
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.5 6.7 10.1





#22

Pentachlorophenol

Concen: 0.221 ng

RT: 16.84 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

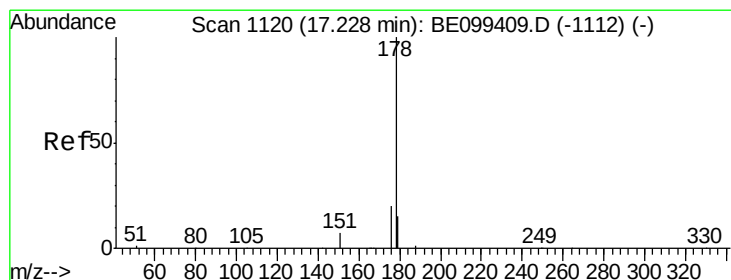
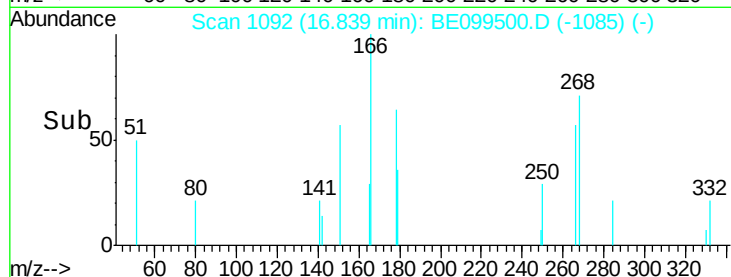
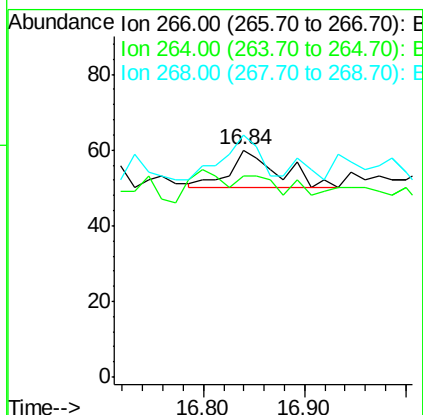
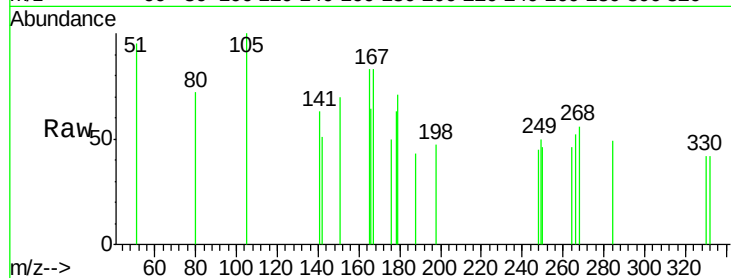
Tot Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 88.3 50.8 76.2#

268 106.7 50.5 75.7#



#23

Phenanthrene

Concen: 0.034 ng

RT: 17.23 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

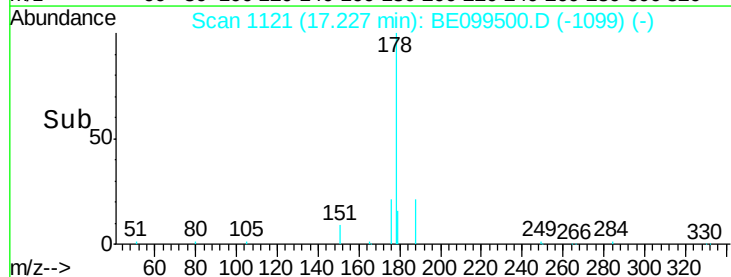
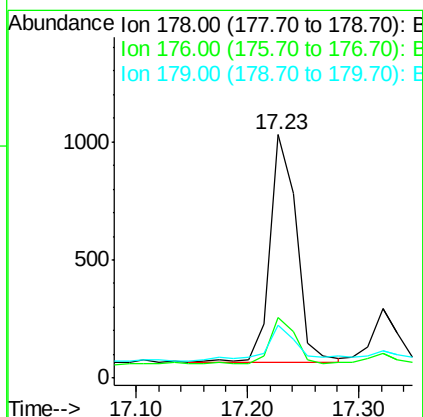
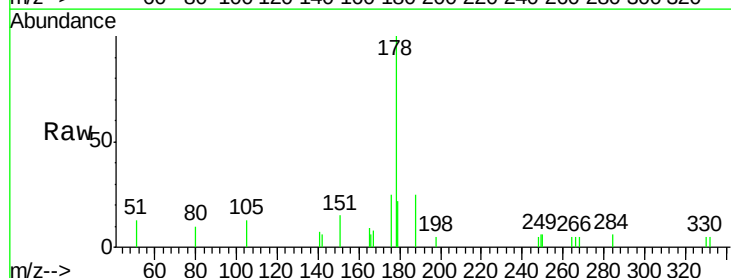
Tgt Ion:178 Resp: 1591

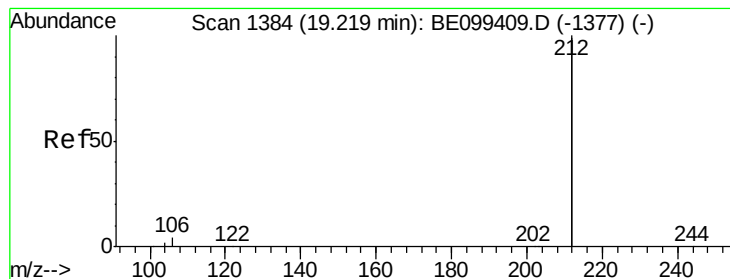
Ion Ratio Lower Upper

178 100

176 20.6 15.6 23.4

179 19.1 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

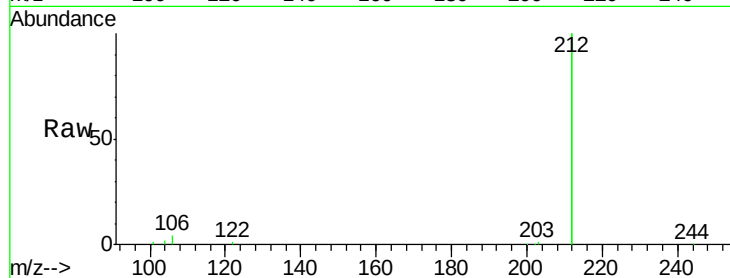
Tot Ion:212 Resp: 64140

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

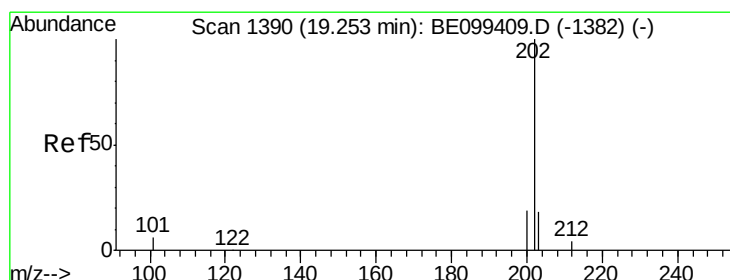
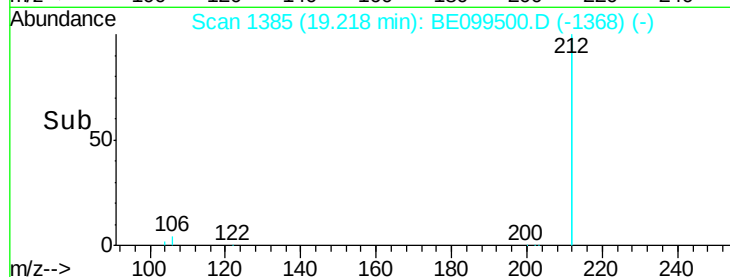
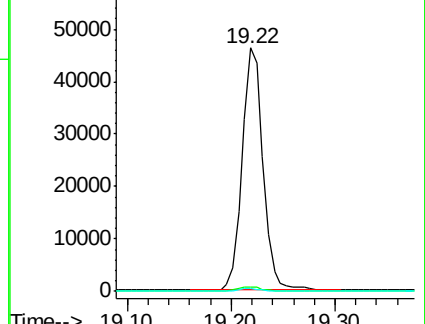
104 1.1 0.9 1.3



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: 0.088 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

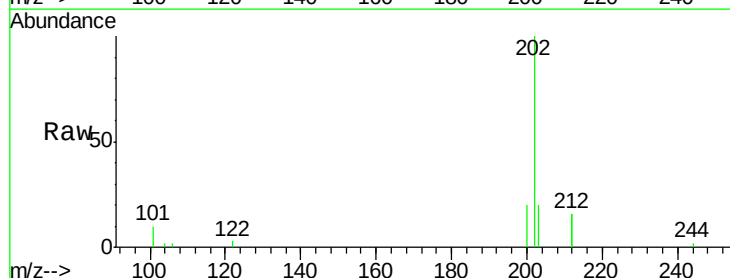
Tgt Ion:202 Resp: 6170

Ion Ratio Lower Upper

202 100

101 9.2 5.4 8.0#

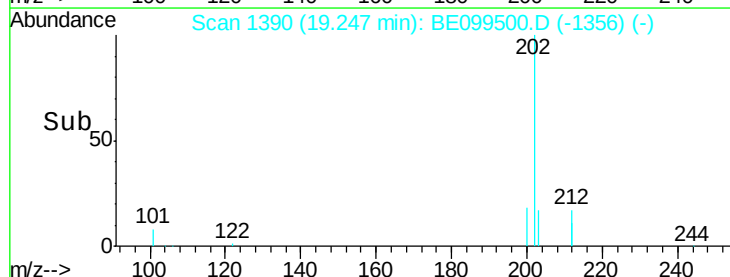
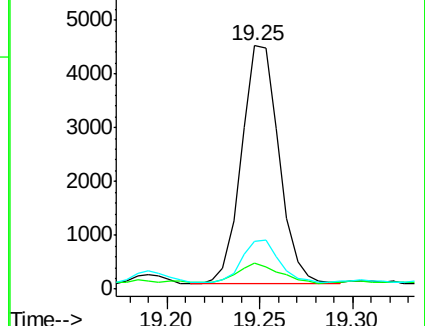
203 17.6 13.9 20.9

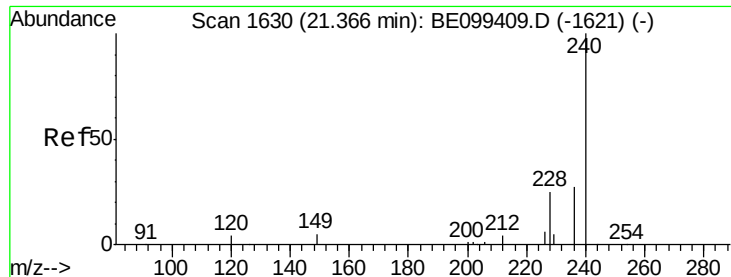


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

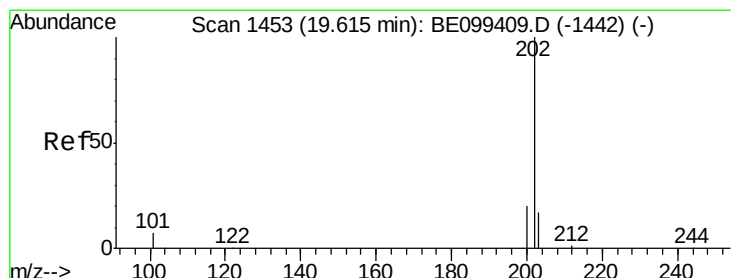
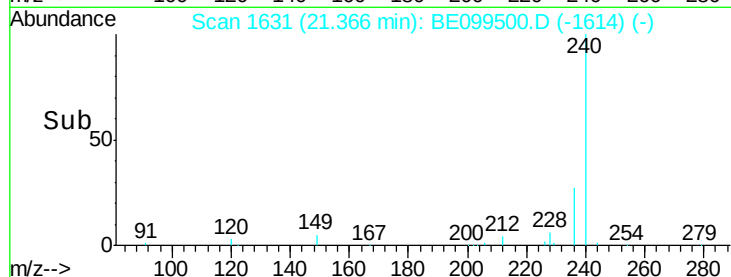
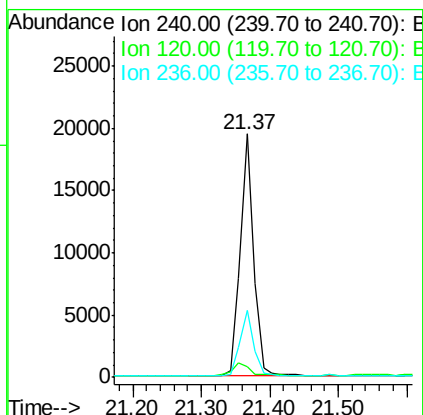
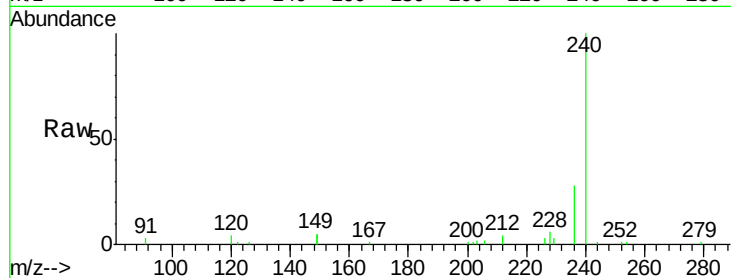




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

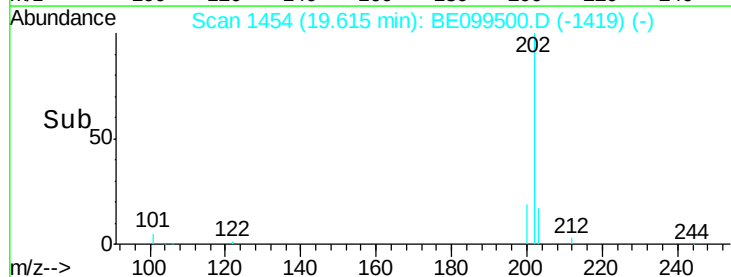
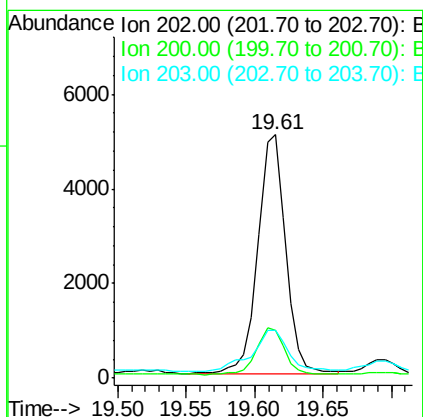
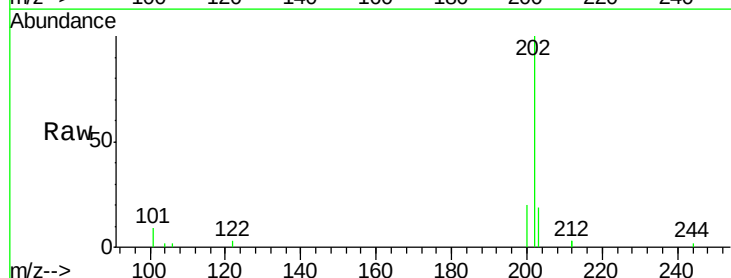
Instrument :
BNA_E
ClientSampleId :
PST-028-B010-042219

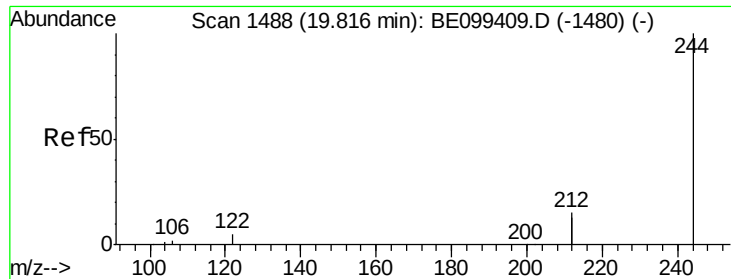
Tot Ion:240 Resp: 26590
Ion Ratio Lower Upper
240 100
120 4.3 4.0 6.0
236 27.6 22.0 33.0



#28
Pyrene
Concen: 0.102 ng
RT: 19.61 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Tgt Ion:202 Resp: 7083
Ion Ratio Lower Upper
202 100
200 20.3 15.7 23.5
203 23.1 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.278 ng

RT: 19.82 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

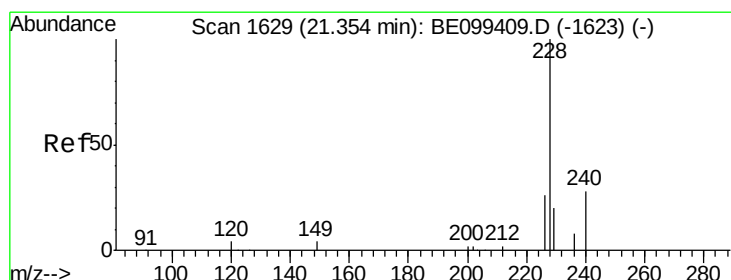
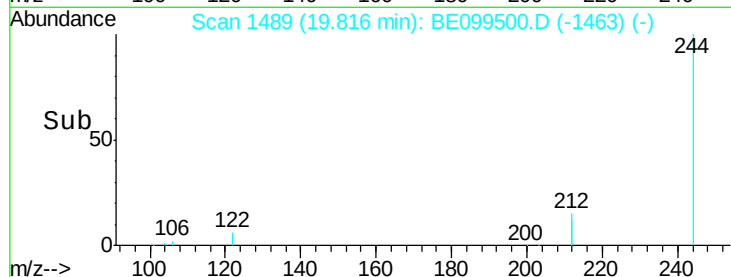
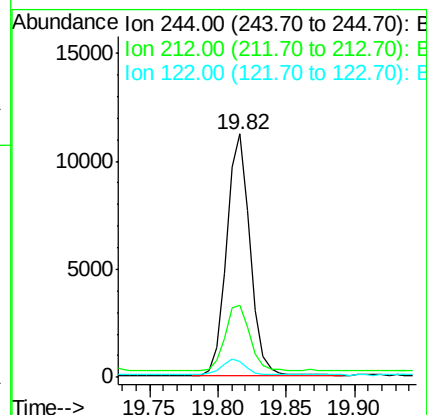
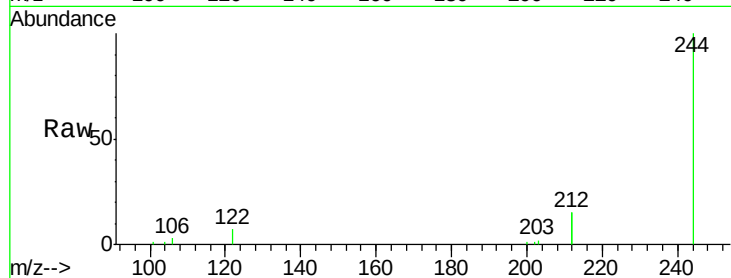
Tot Ion:244 Resp: 13553

Ion Ratio Lower Upper

244 100

212 29.4 23.2 34.8

122 6.6 4.2 6.4#



#30

Benzo(a)anthracene

Concen: 0.100 ng

RT: 21.34 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

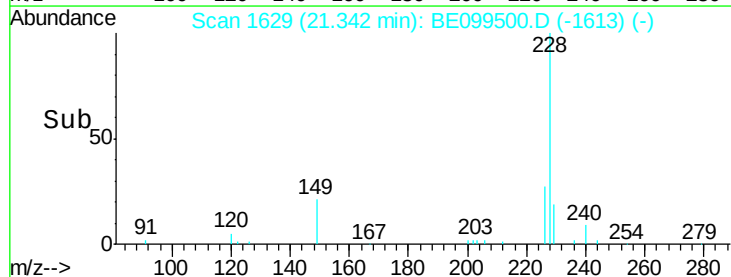
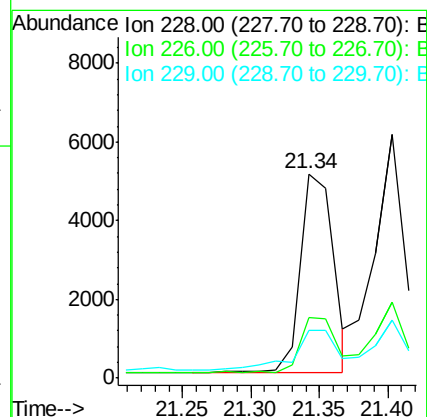
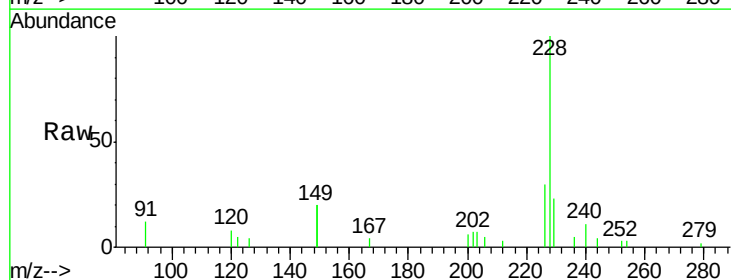
Tgt Ion:228 Resp: 8455

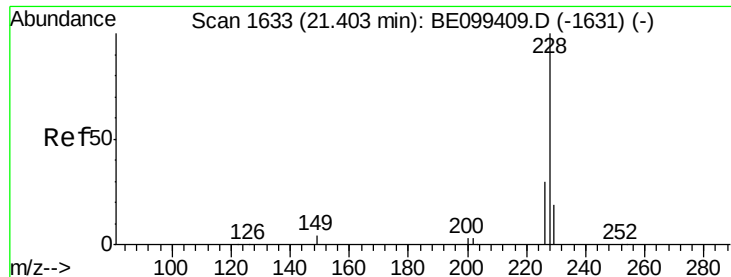
Ion Ratio Lower Upper

228 100

226 29.7 21.0 31.6

229 23.1 16.6 25.0





#31

Chrysene

Concen: 0.112 ng

RT: 21.40 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

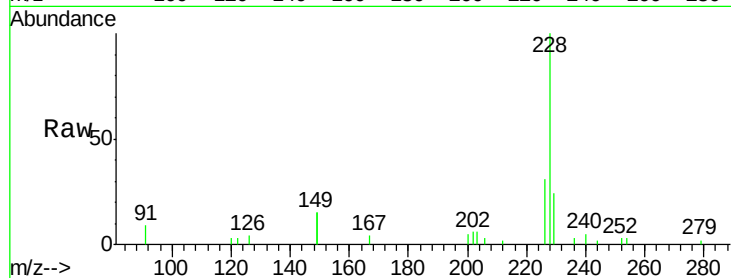
Tot Ion:228 Resp: 9296

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

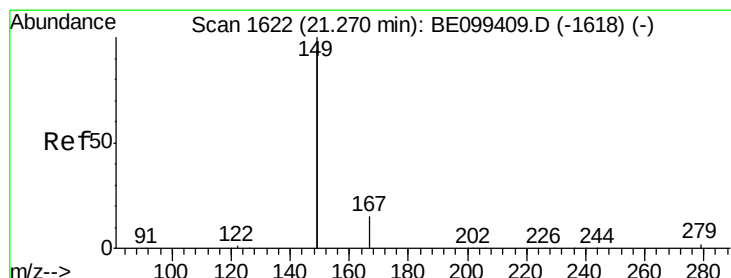
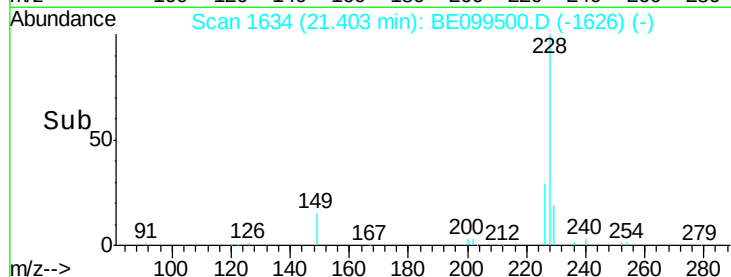
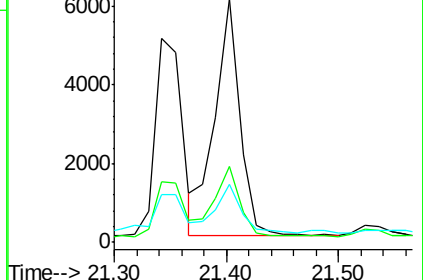
229 23.6 15.8 23.8



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: 0.030 ng

RT: 21.27 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

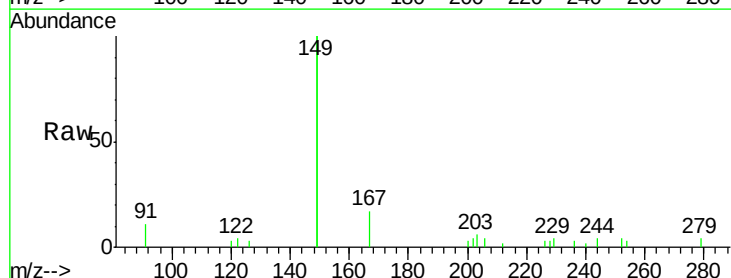
Tgt Ion:149 Resp: 12171

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

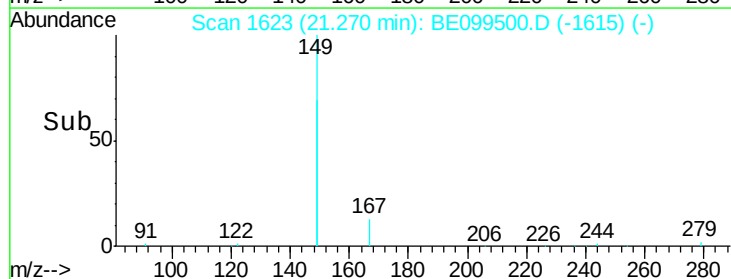
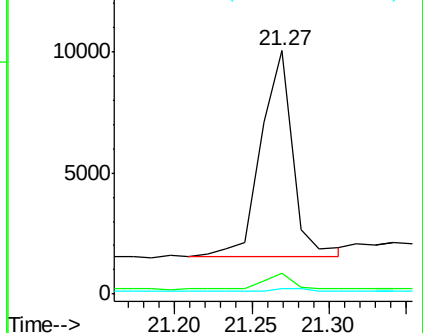
279 1.2 1.0 1.6

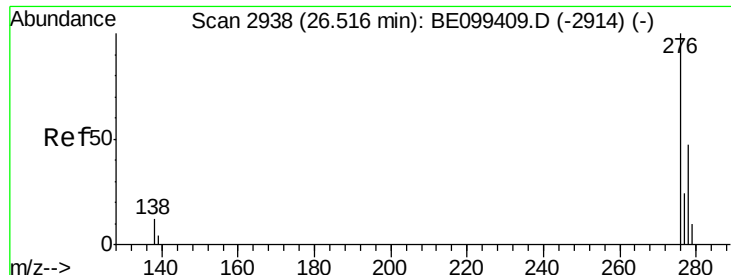


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.056 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

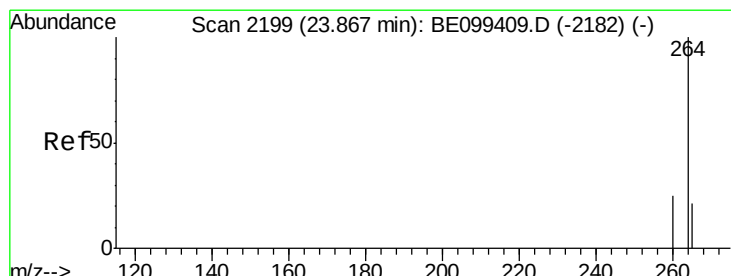
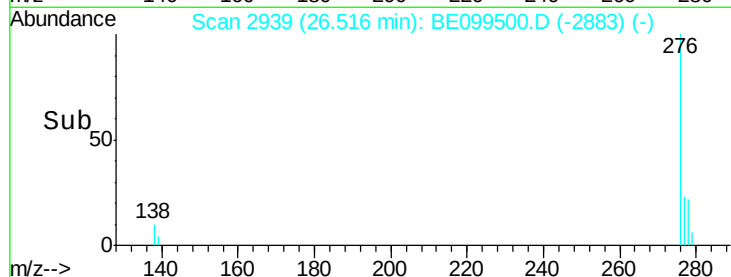
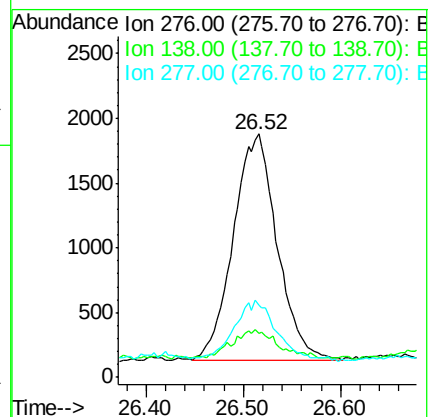
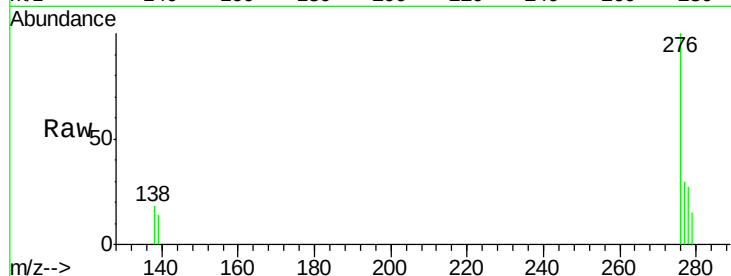
Tot Ion:276 Resp: 5478

Ion Ratio Lower Upper

276 100

138 13.1 10.2 15.2

277 26.3 19.2 28.8



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

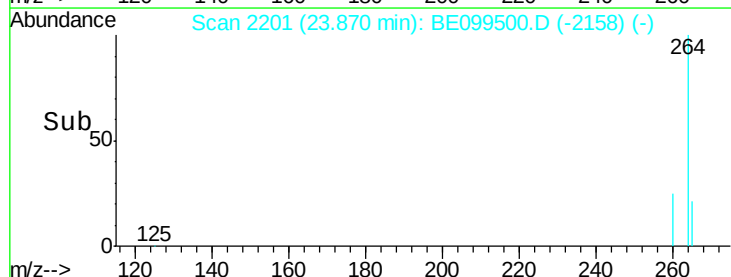
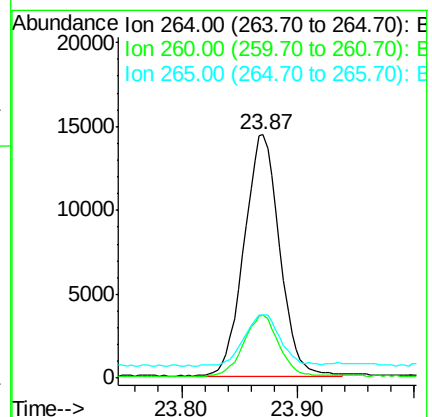
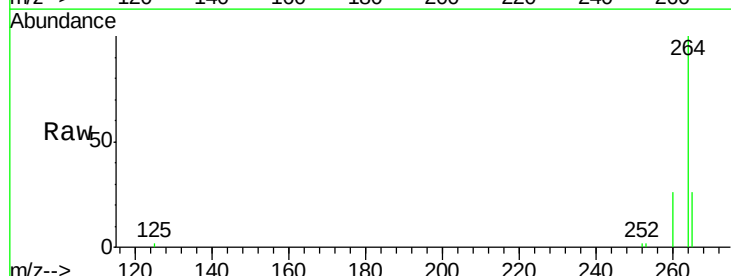
Tgt Ion:264 Resp: 30578

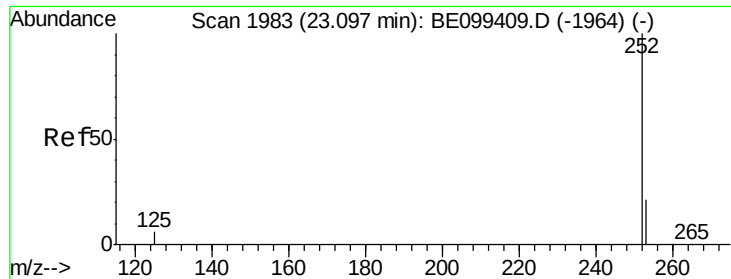
Ion Ratio Lower Upper

264 100

260 25.7 20.2 30.2

265 26.1 21.3 31.9

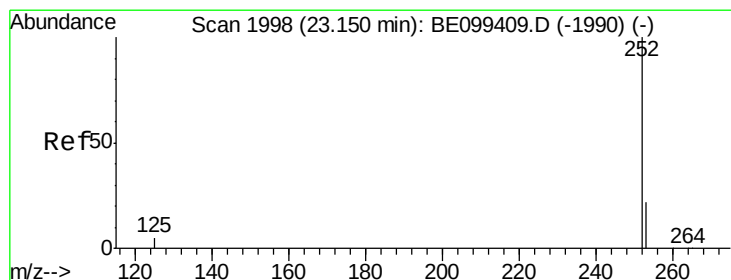
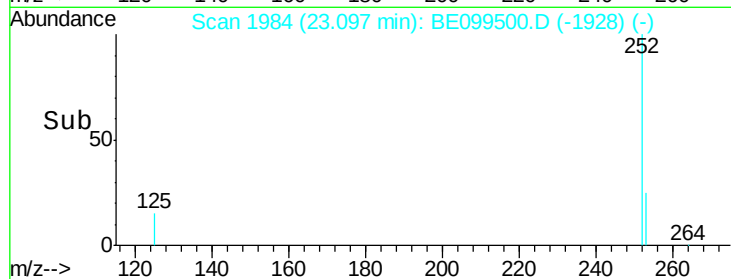
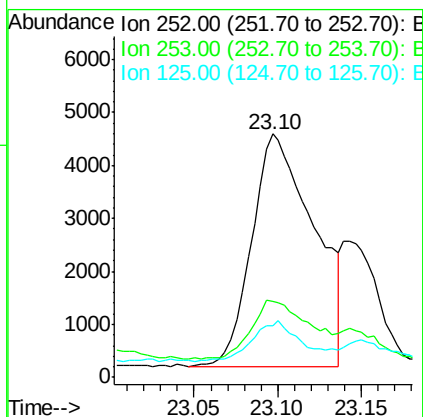
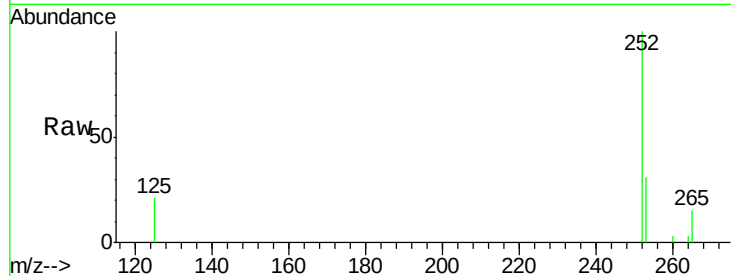




#35
Benzo(b)fluoranthene
Concen: 0.129 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

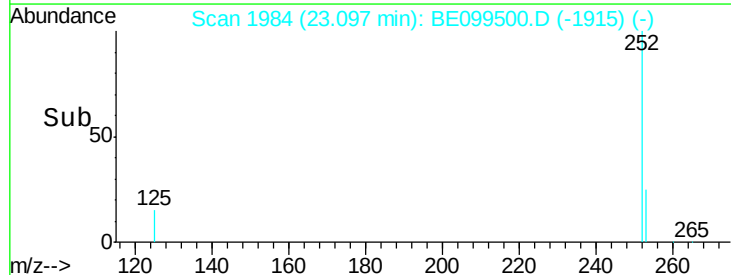
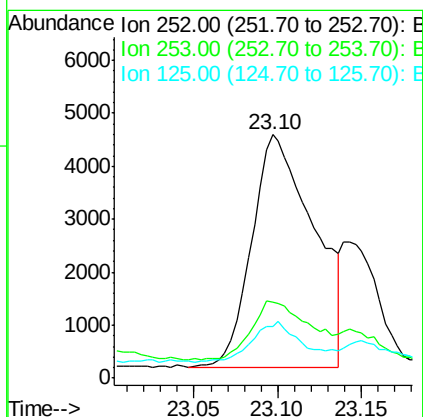
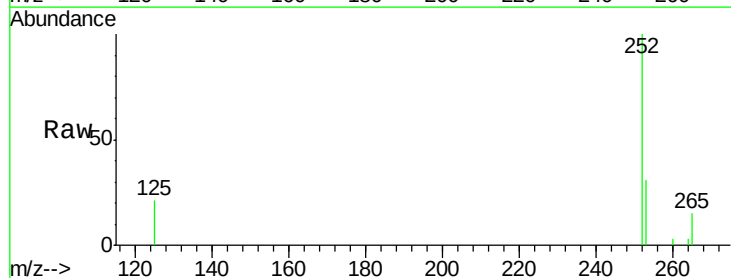
Instrument :
BNA_E
ClientSampleId :
PST-028-B010-042219

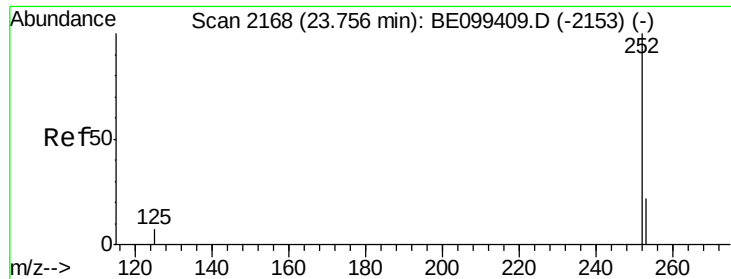
Tot Ion:252 Resp: 11333
Ion Ratio Lower Upper
252 100
253 31.1 18.1 27.1#
125 21.4 5.6 8.4#



#36
Benzo(k)fluoranthene
Concen: 0.133 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.05 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Tgt Ion:252 Resp: 11333
Ion Ratio Lower Upper
252 100
253 31.1 18.4 27.6#
125 21.4 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.099 ng

RT: 23.76 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219

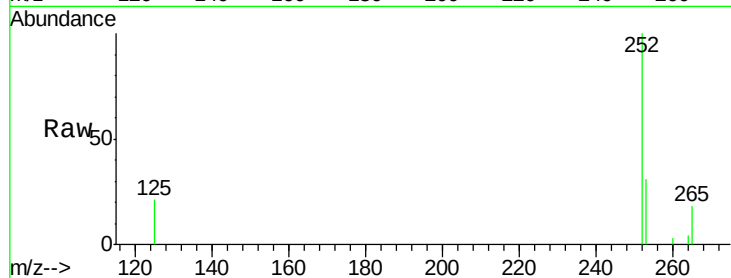
Tot Ion:252 Resp: 8251

Ion Ratio Lower Upper

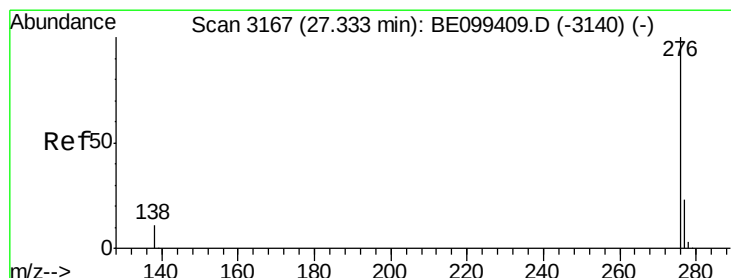
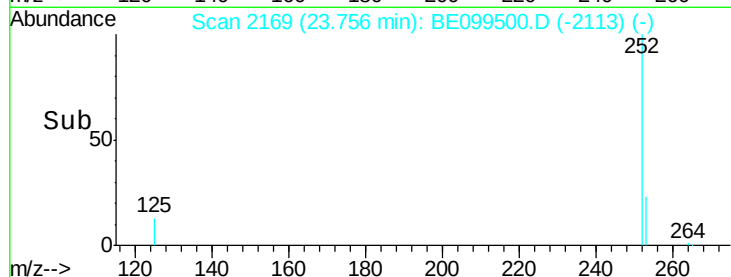
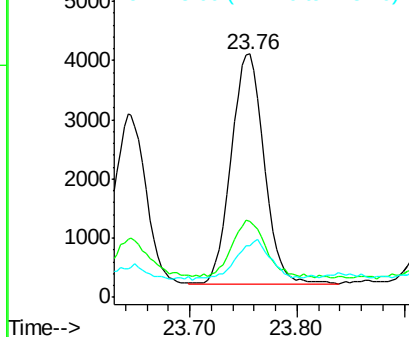
252 100

253 31.4 18.9 28.3#

125 21.2 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(g,h,i)perylene

Concen: 0.062 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

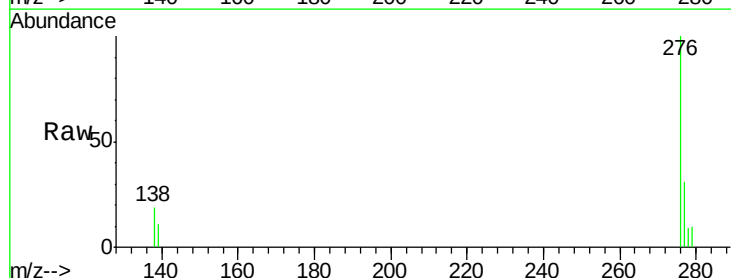
Tgt Ion:276 Resp: 5270

Ion Ratio Lower Upper

276 100

277 30.6 19.5 29.3#

138 19.1 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

