

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099114.D
 Acq On : 23 Mar 2019 16:24
 Operator : JU/SJ
 Sample : K2014-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW041-031919

Quant Time: Mar 24 03:20:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3425	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13567	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8837	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	25401	0.40	ng	0.00
27) Chrysene-d12	21.39	240	37359	0.40	ng	0.00
34) Perylene-d12	23.90	264	40522	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4663	0.46	ng	0.00
5) Phenol-d6	6.99	99	6730	0.46	ng	0.00
8) Nitrobenzene-d5	8.99	82	4442	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9605	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1626	0.63	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15217	0.43	ng	-0.01
25) Fluoranthene-d10	19.24	212	147596	0.44	ng	0.00
29) Terphenyl-d14	19.84	244	29234	0.37	ng	0.00

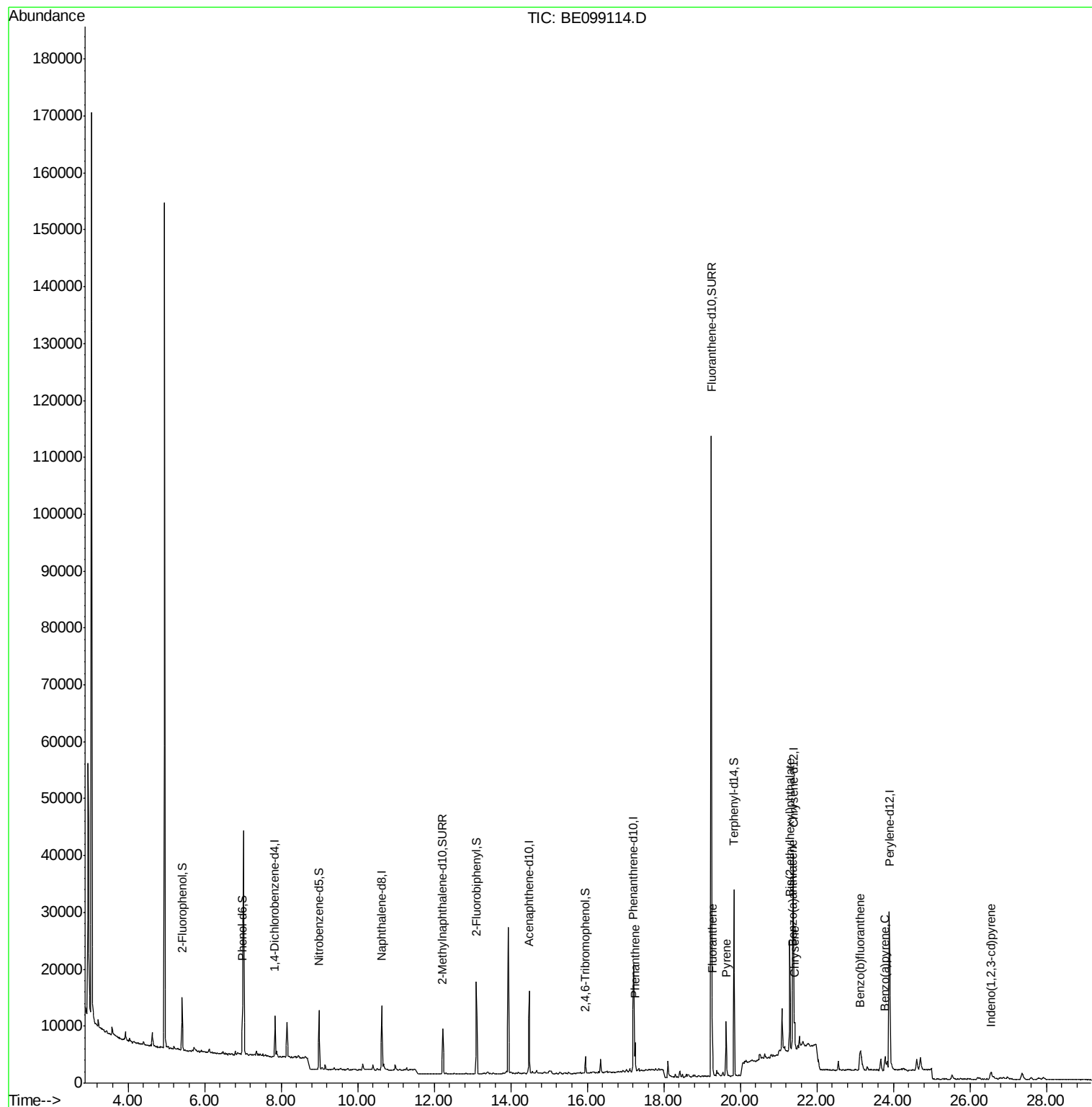
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.25	178	5025	0.067	ng	99
26) Fluoranthene	19.27	202	8130	0.077	ng	96
28) Pyrene	19.63	202	8741	0.069	ng	# 96
30) Benzo(a)anthracene	21.37	228	5034	0.038	ng	94
31) Chrysene	21.43	228	5126	0.039	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.29	149	23102	0.135	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	2839	0.020	ng	# 81
35) Benzo(b)fluoranthene	23.13	252	6402	0.046	ng	# 65
37) Benzo(a)pyrene	23.78	252	4306	0.033	ng	# 75

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

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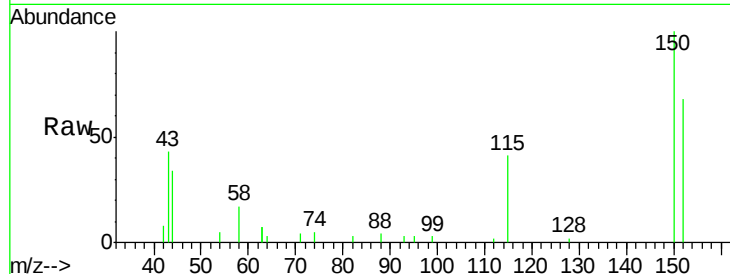


#1

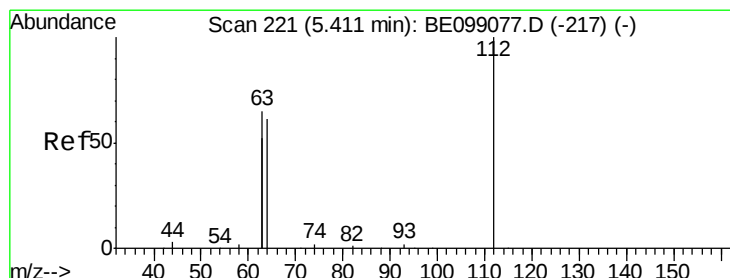
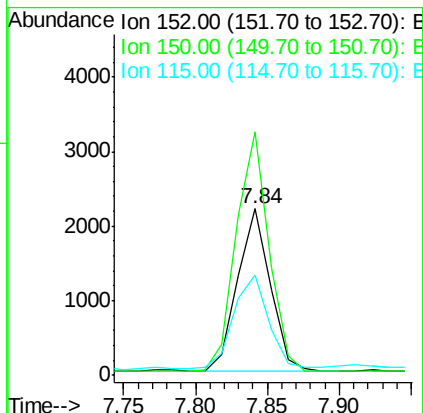
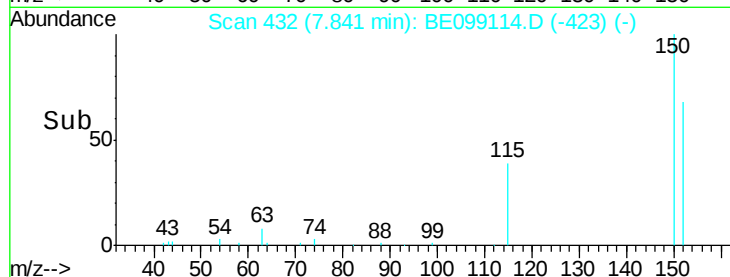
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

Tot Ion:152 Resp: 3425
Ion Ratio Lower Upper
152 100
150 146.2 122.5 183.7
115 60.4 57.4 86.2



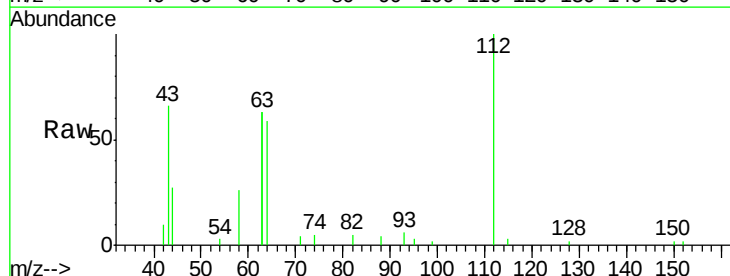
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



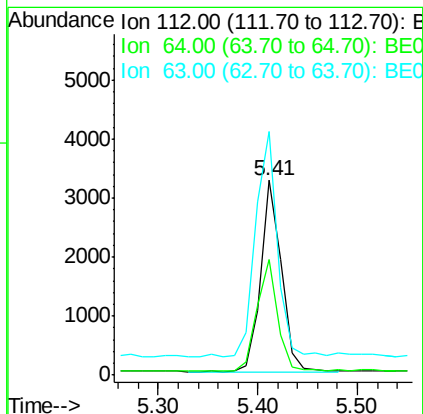
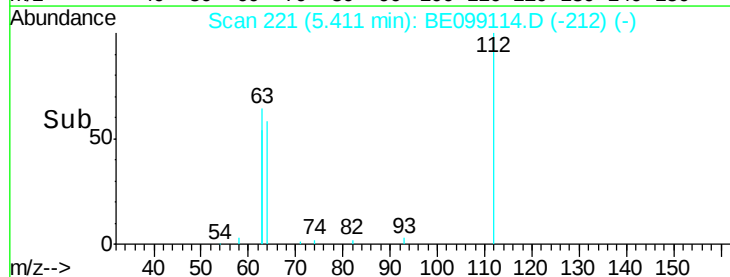
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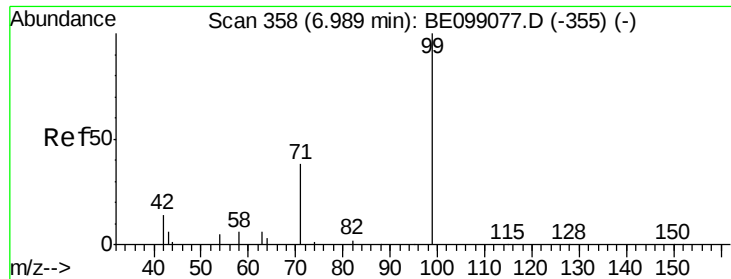
2-Fluorophenol
Concen: 0.457 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion:112 Resp: 4663
Ion Ratio Lower Upper
112 100
64 57.0 57.9 86.9#
63 123.6 158.3 237.5#



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: 0.458 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

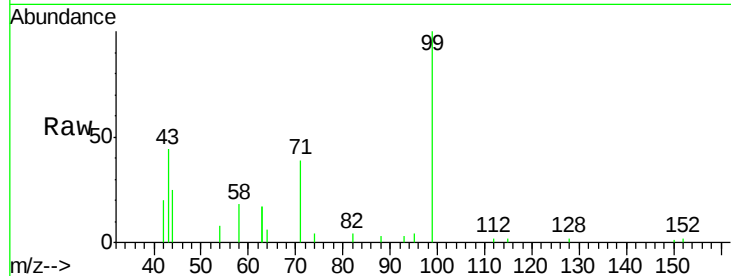
Tot Ion: 99 Resp: 6730

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

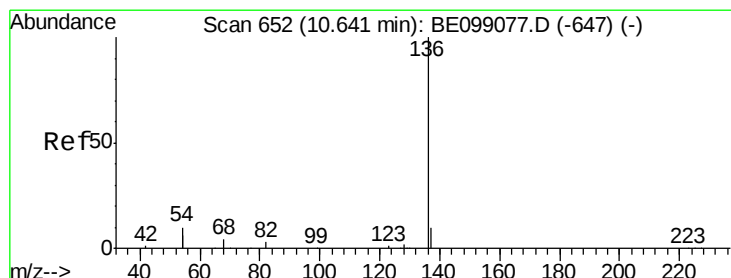
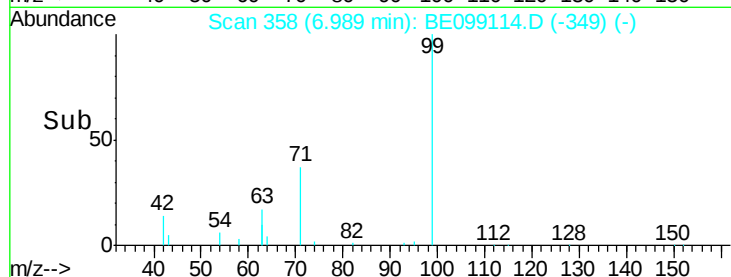
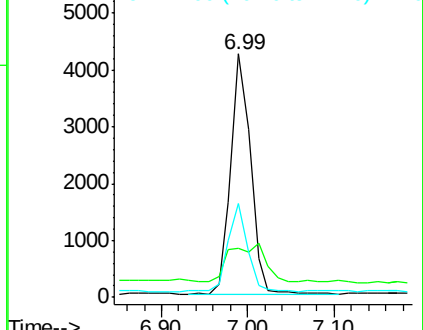
71 37.0 35.7 53.5



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: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Tgt Ion: 136 Resp: 13567

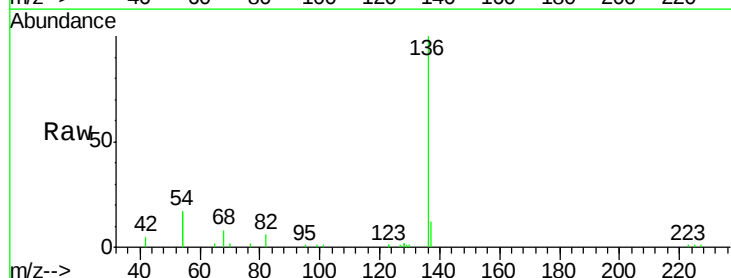
Ion Ratio Lower Upper

136 100

137 11.6 11.4 17.0

54 33.4 39.3 58.9#

68 8.3 6.7 10.1

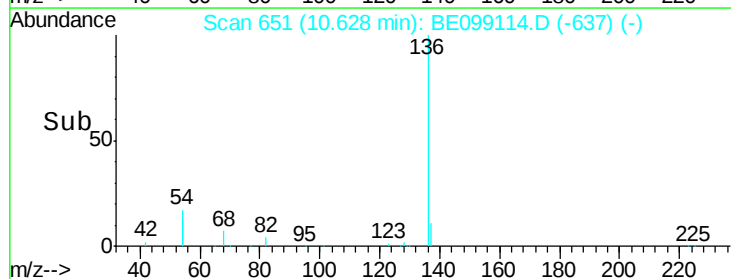
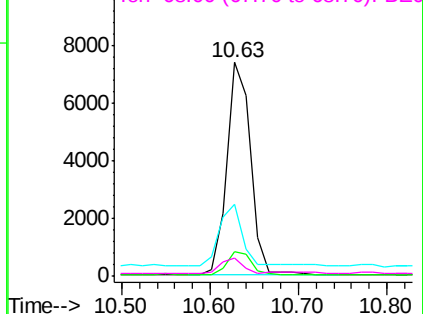


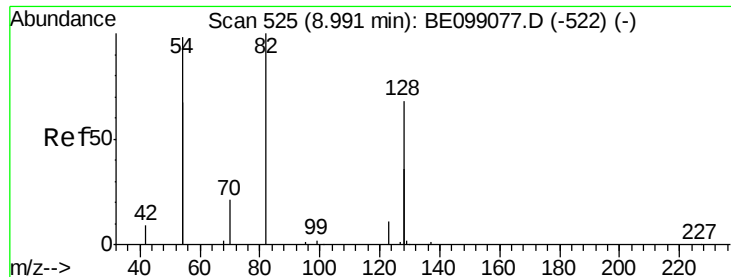
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.749 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

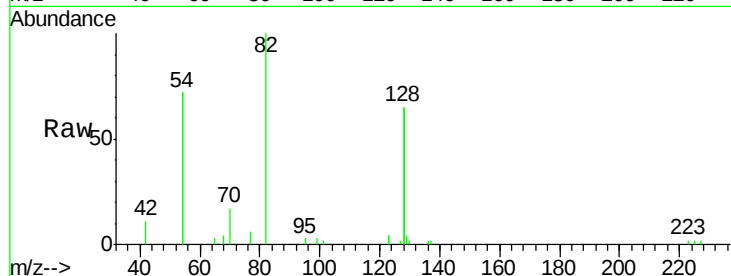
Tot Ion: 82 Resp: 4442

Ion Ratio Lower Upper

82 100

128 129.7 123.8 185.8

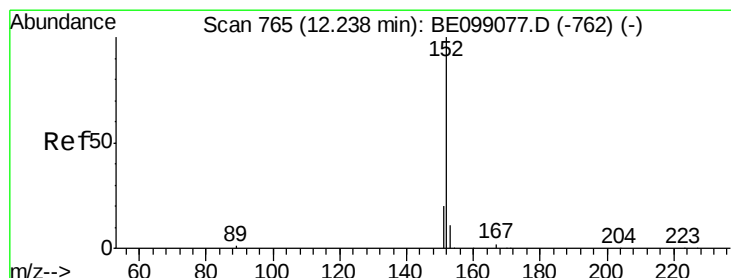
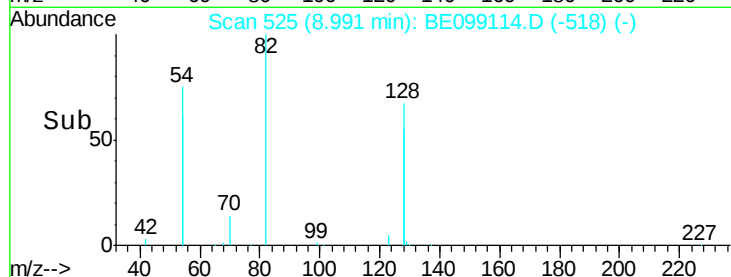
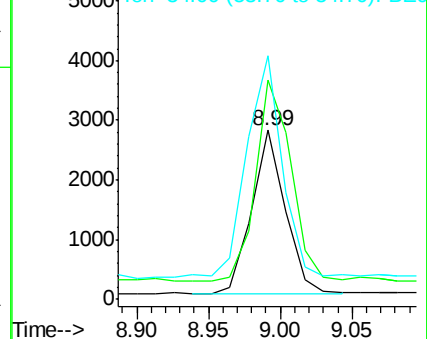
54 144.2 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.393 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099114.D

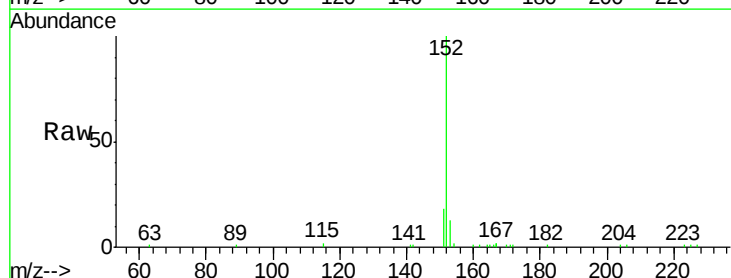
Acq: 23 Mar 2019 16:24

Tgt Ion: 152 Resp: 9605

Ion Ratio Lower Upper

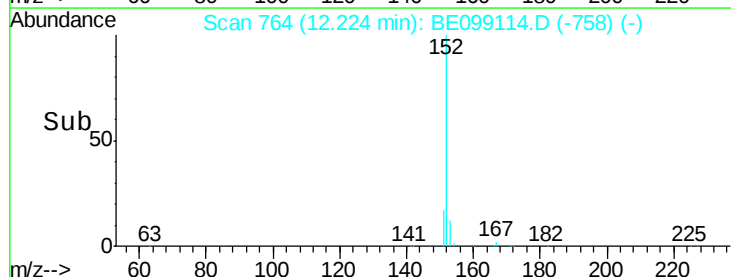
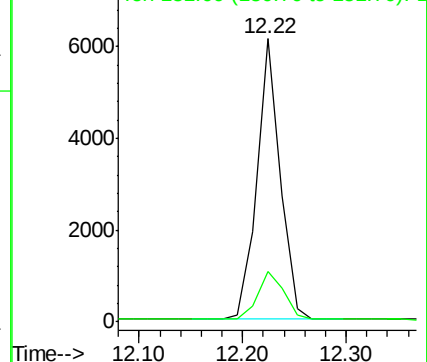
152 100

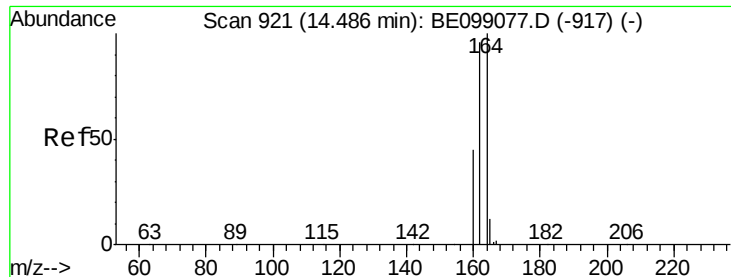
151 19.1 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

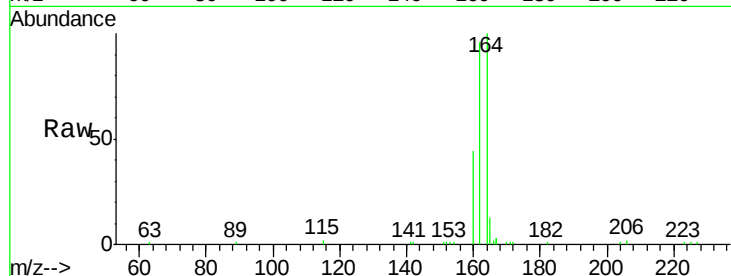




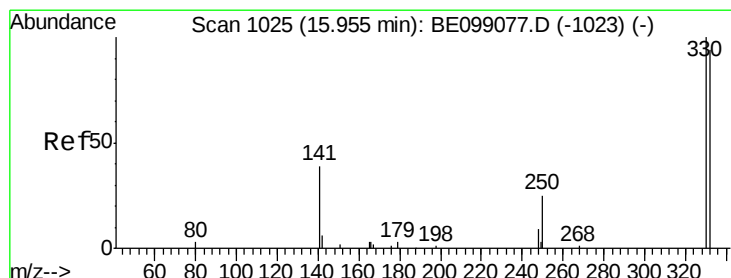
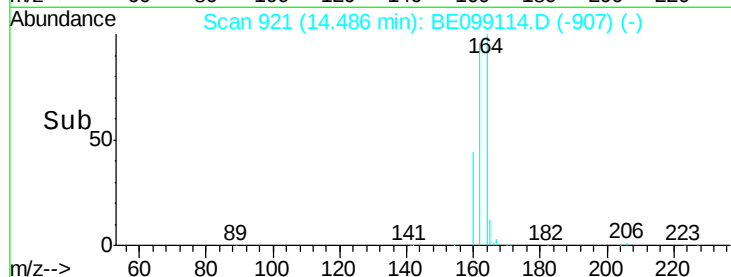
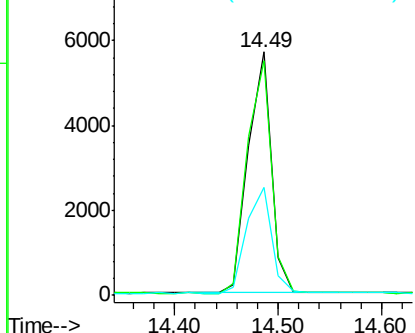
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

Tot Ion:164 Resp: 8837
Ion Ratio Lower Upper
164 100
162 96.4 80.2 120.2
160 44.3 37.8 56.8

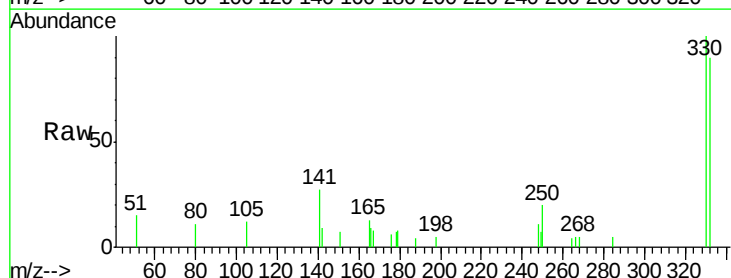


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

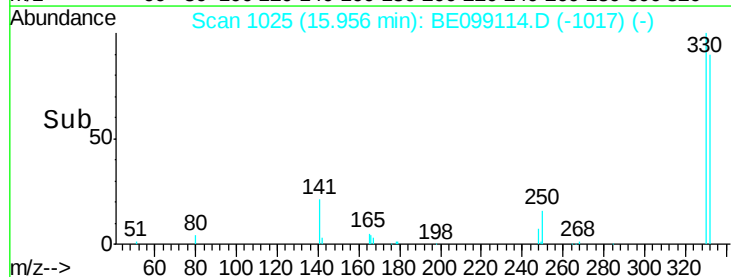
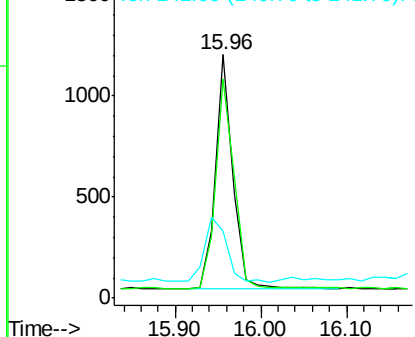


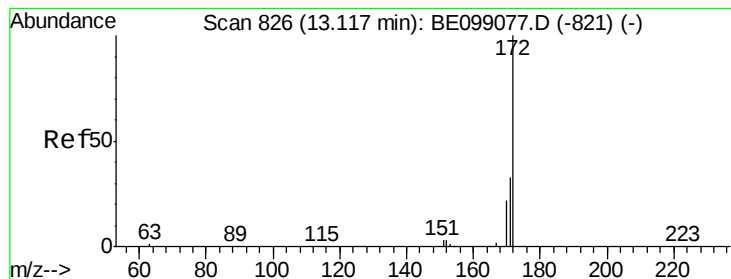
#14
2,4,6-Tribromophenol
Concen: 0.626 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion:330 Resp: 1626
Ion Ratio Lower Upper
330 100
332 94.5 77.6 116.4
141 35.9 31.0 46.4



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.433 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

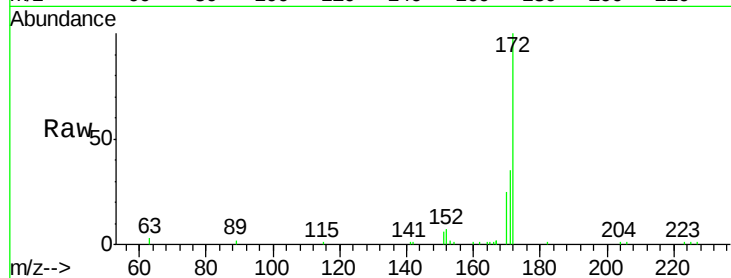
Tot Ion:172 Resp: 15217

Ion Ratio Lower Upper

172 100

171 35.0 28.0 42.0

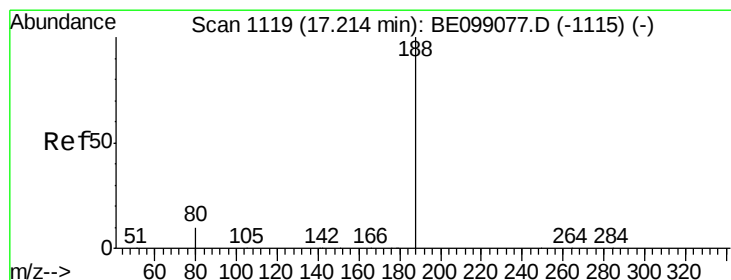
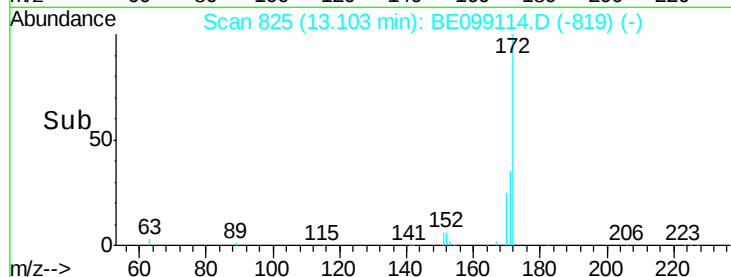
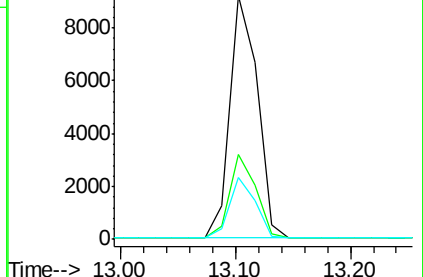
170 25.4 17.7 26.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

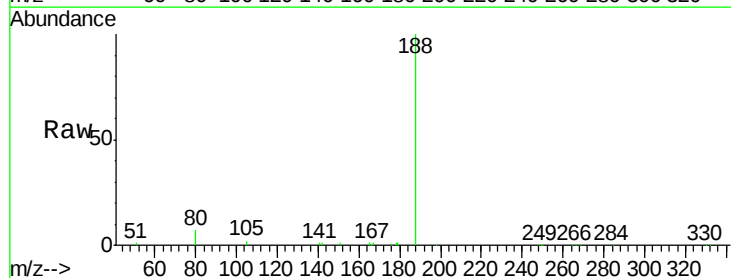
Tgt Ion:188 Resp: 25401

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

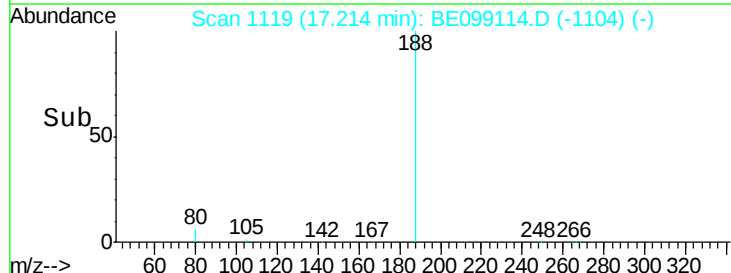
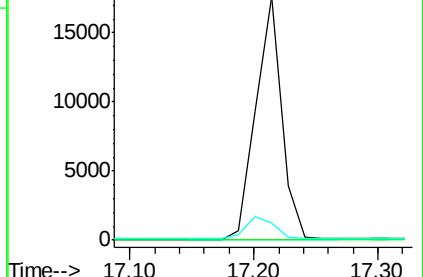
80 7.2 6.3 9.5

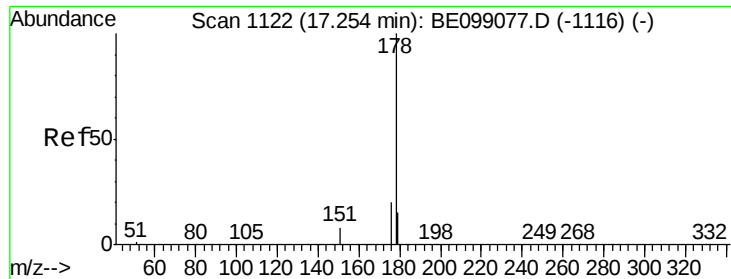


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.067 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

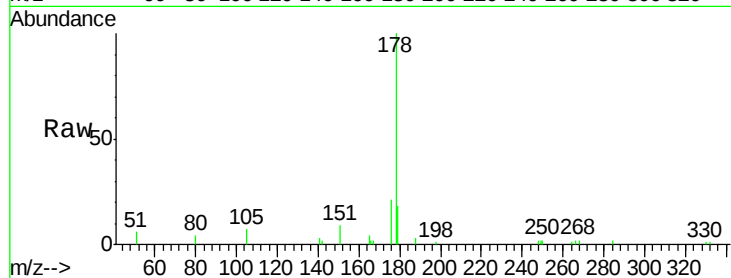
Tot Ion:178 Resp: 5025

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

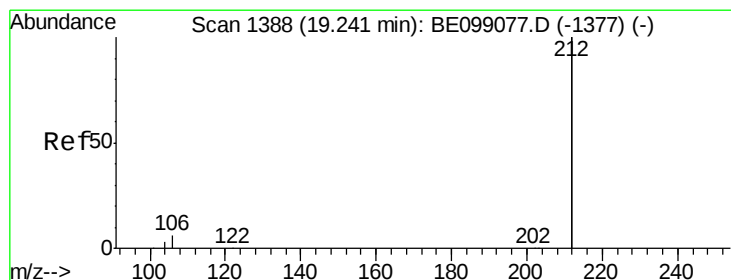
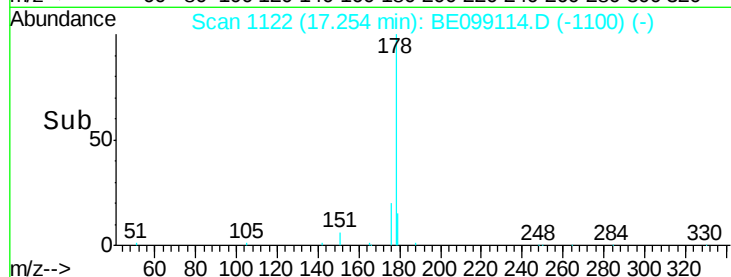
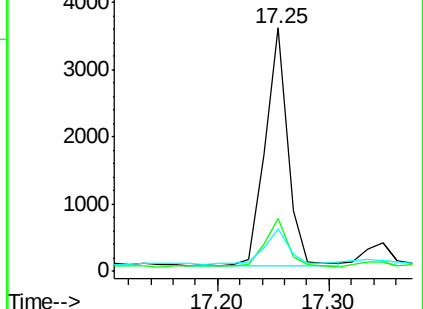
179 16.0 12.1 18.1



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: 0.436 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

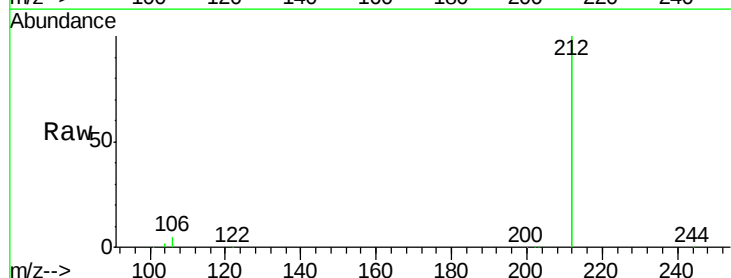
Tgt Ion:212 Resp: 147596

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

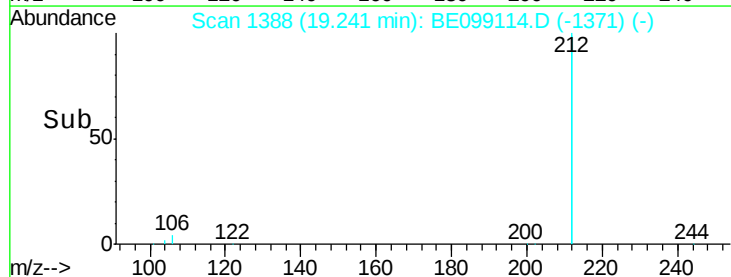
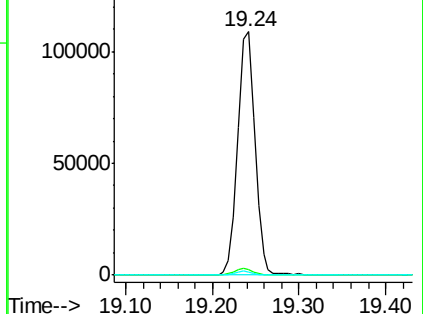
104 1.5 1.0 1.6

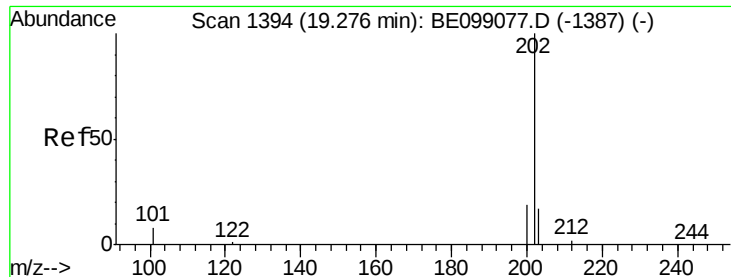


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

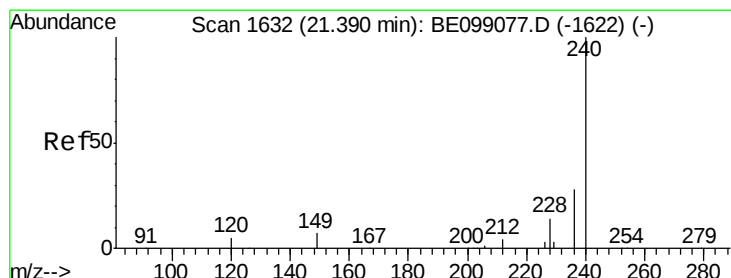
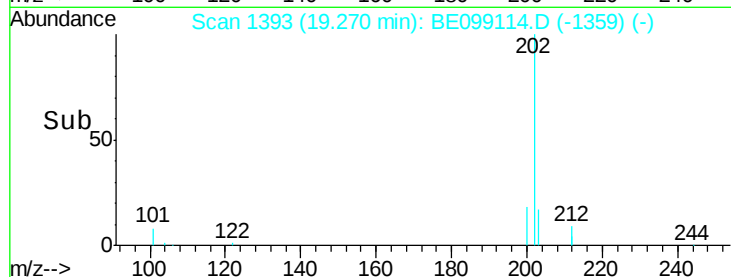
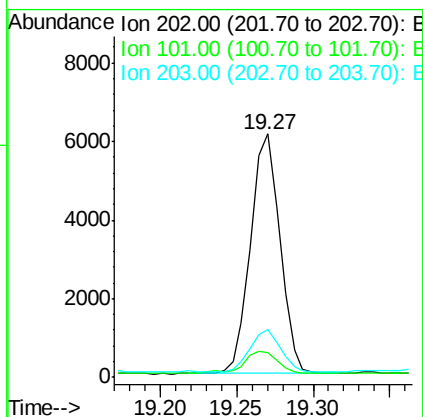
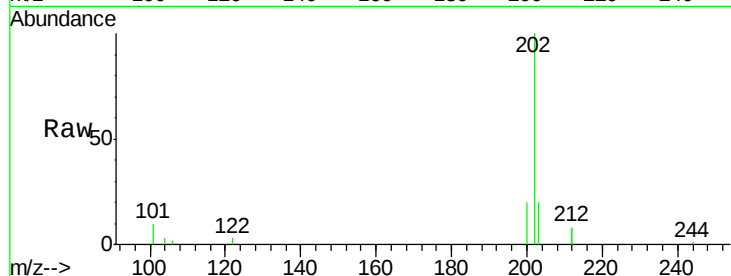




#26
Fluoranthene
Concen: 0.077 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

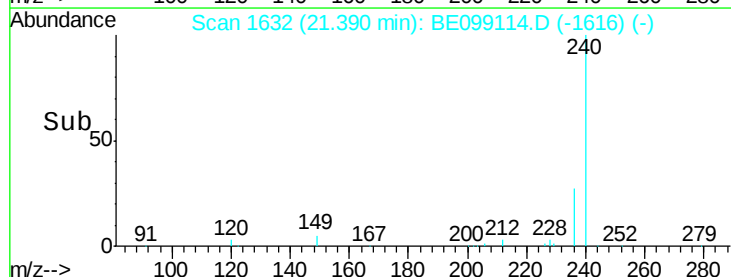
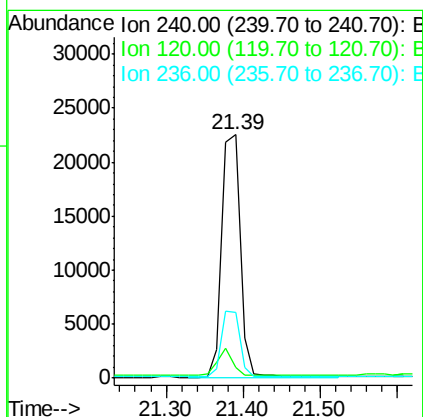
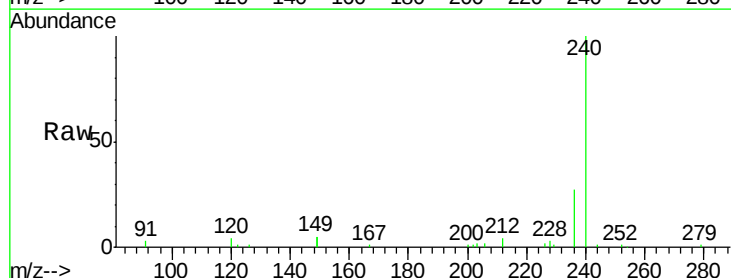
Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

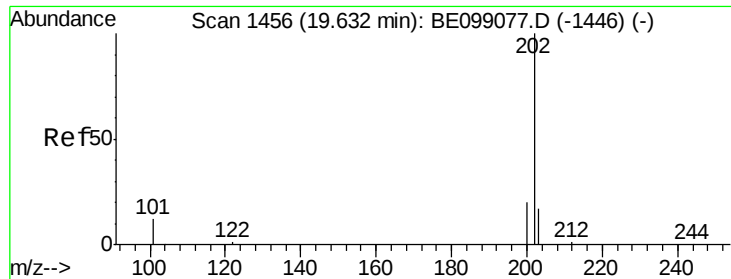
Tot Ion:202 Resp: 8130
Ion Ratio Lower Upper
202 100
101 10.8 7.3 10.9
203 18.2 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion:240 Resp: 37359
Ion Ratio Lower Upper
240 100
120 4.2 5.0 7.4#
236 27.0 22.7 34.1

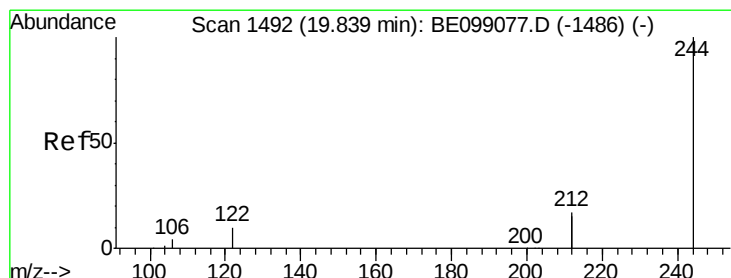
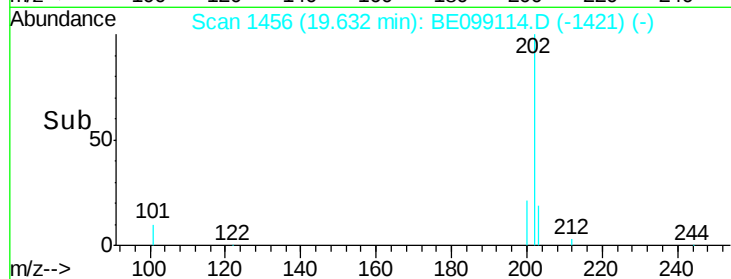
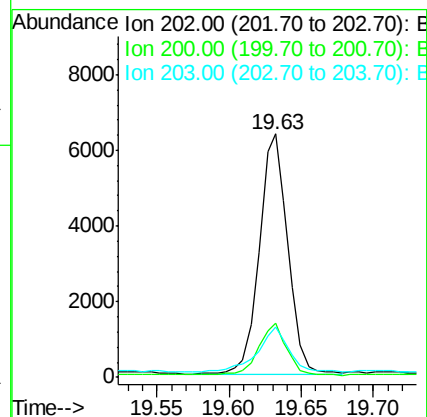
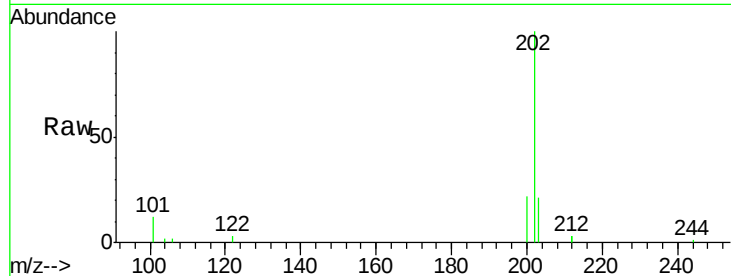




#28
Pvrene
Concen: 0.069 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

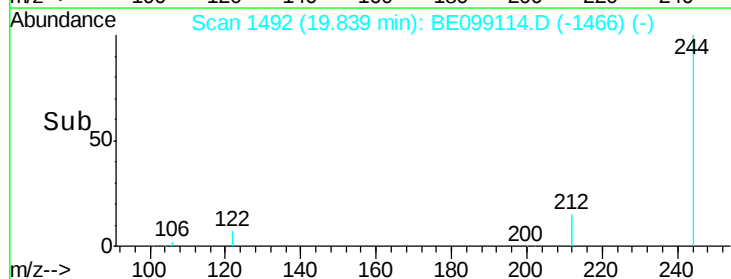
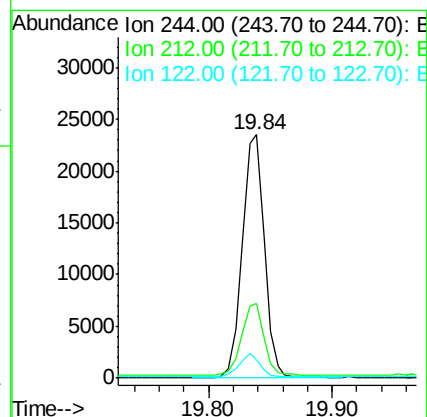
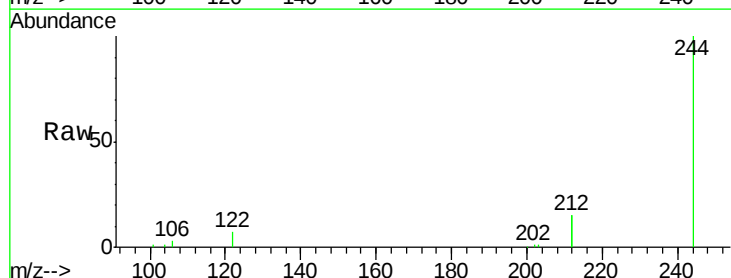
Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

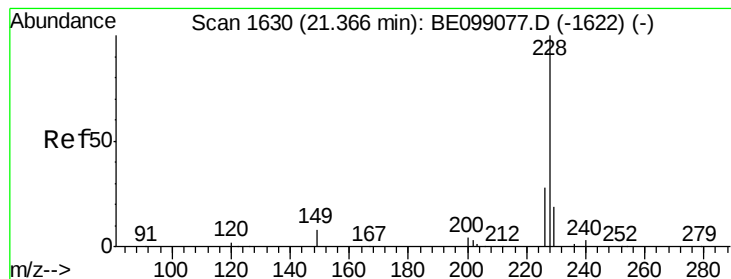
Tot Ion:202 Resp: 8741
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 21.3 14.2 21.2#



#29
Terphenyl-d14
Concen: 0.370 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion:244 Resp: 29234
Ion Ratio Lower Upper
244 100
212 30.7 29.4 44.2
122 7.3 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.038 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

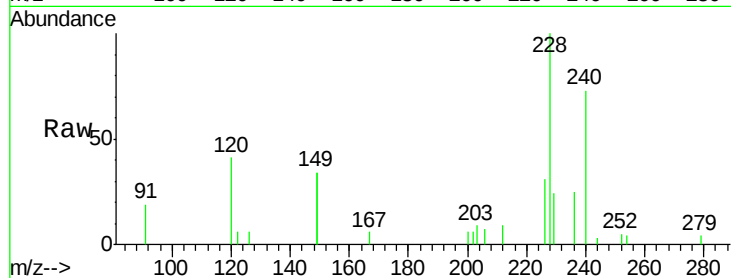
Tot Ion:228 Resp: 5034

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

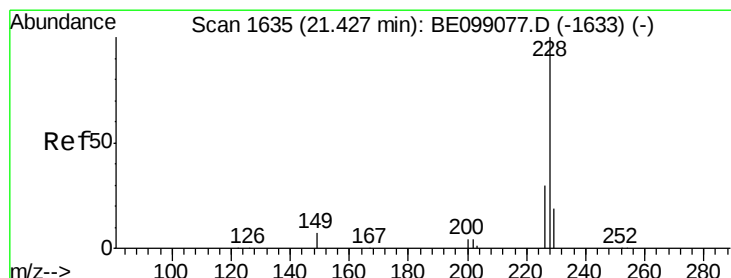
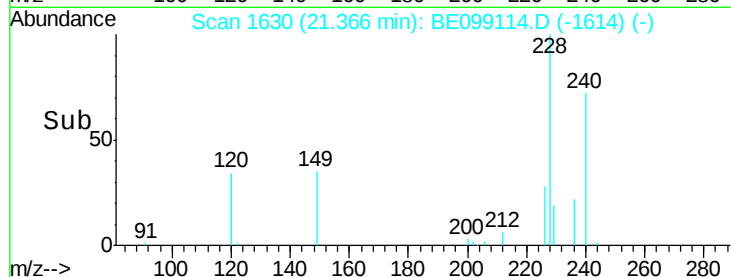
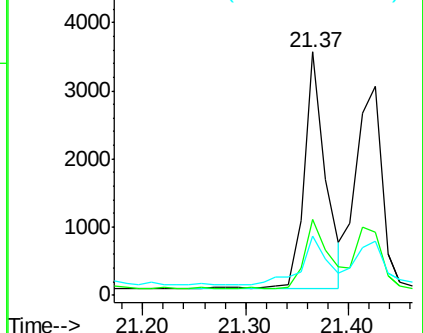
229 24.3 16.5 24.7



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: 0.039 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

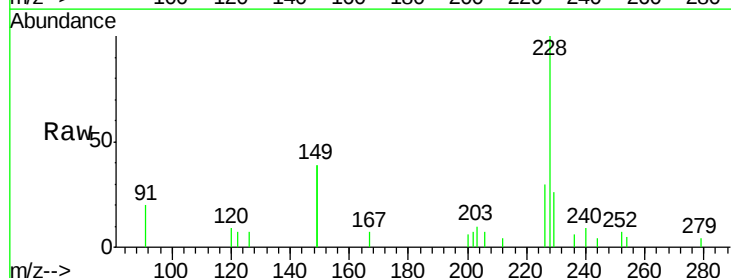
Tgt Ion:228 Resp: 5126

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

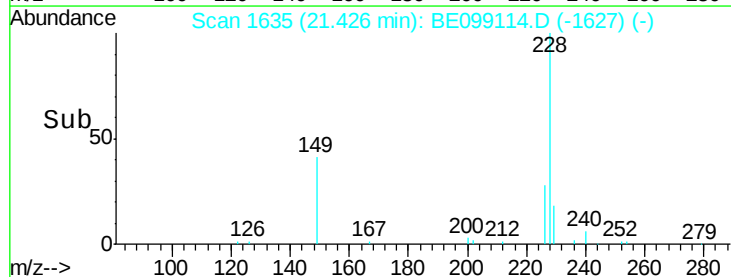
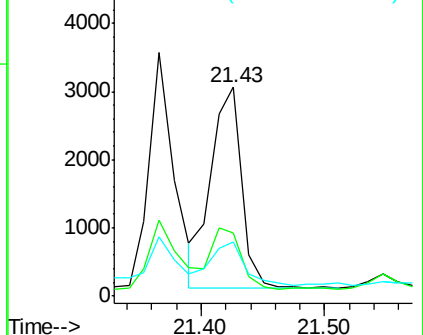
229 26.2 16.1 24.1#

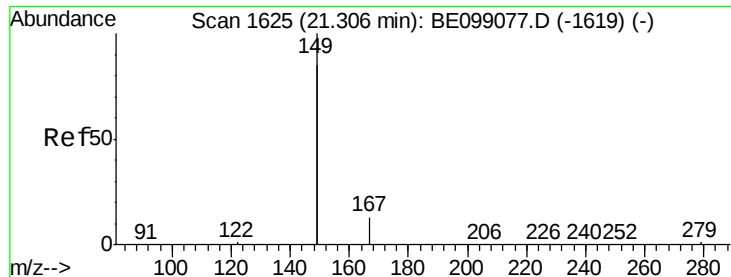


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.135 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

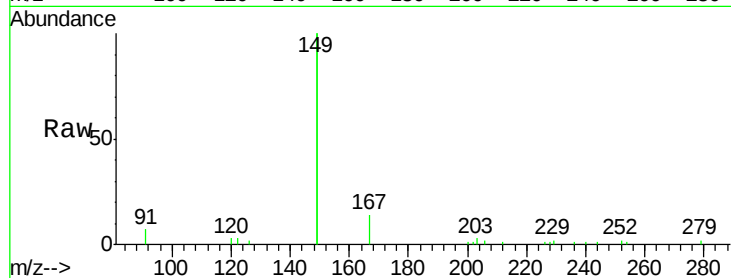
Tot Ion:149 Resp: 23102

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

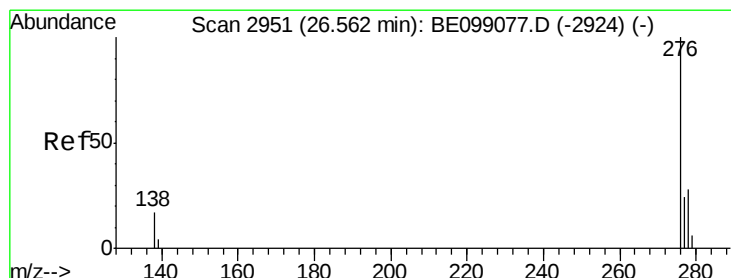
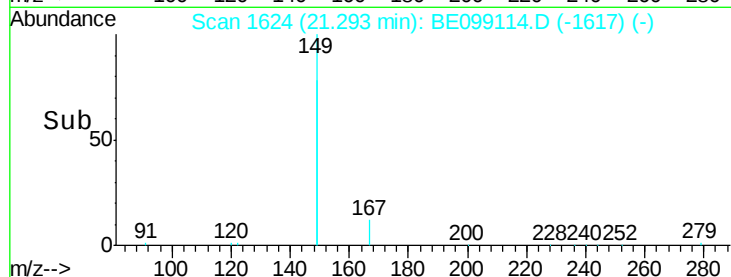
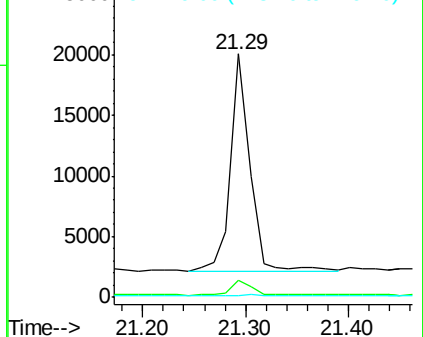
279 1.0 1.0 1.4



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: 0.020 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

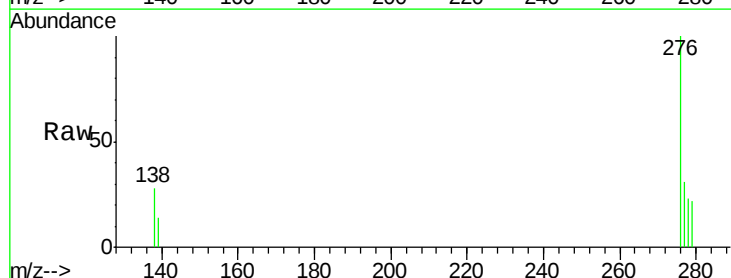
Tgt Ion:276 Resp: 2839

Ion Ratio Lower Upper

276 100

138 15.5 13.8 20.8

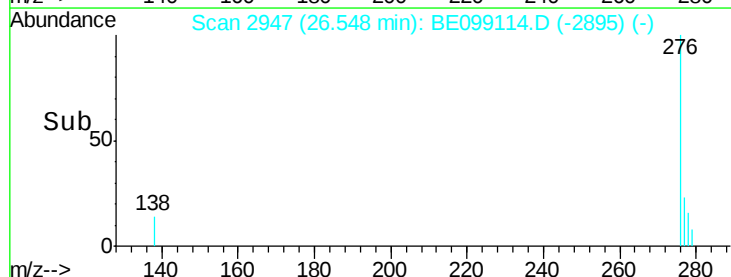
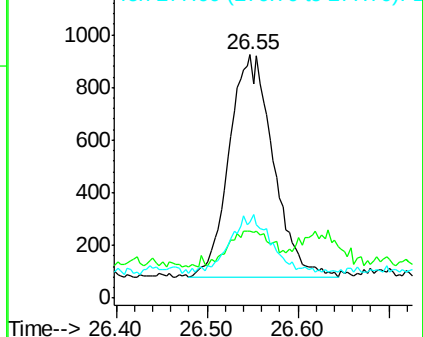
277 9.8 19.5 29.3#

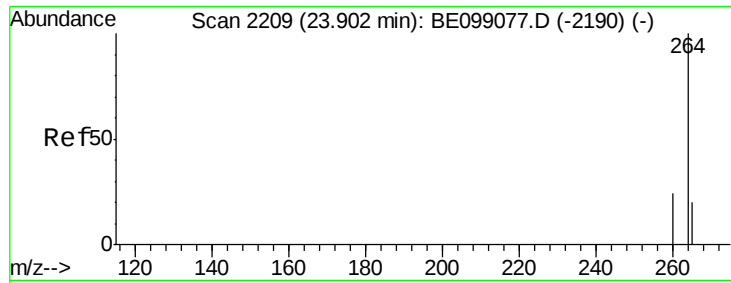


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

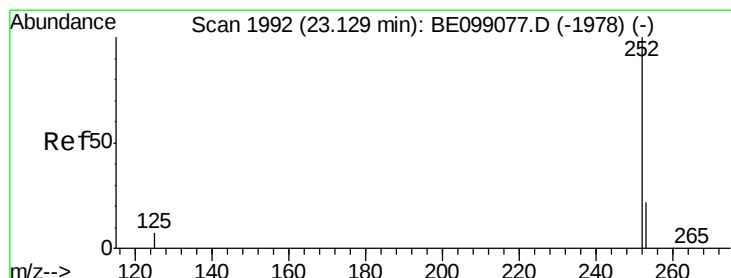
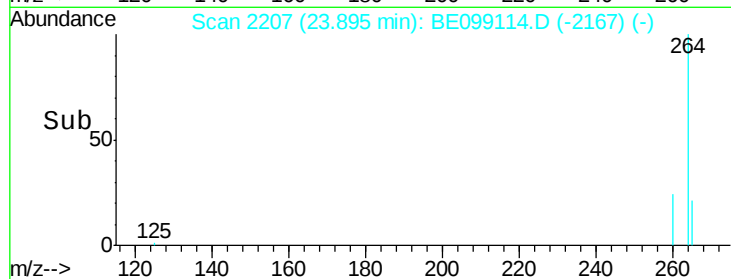
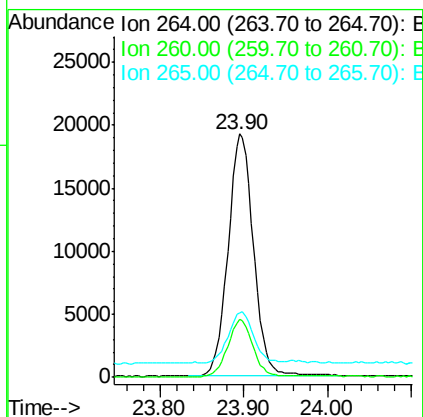
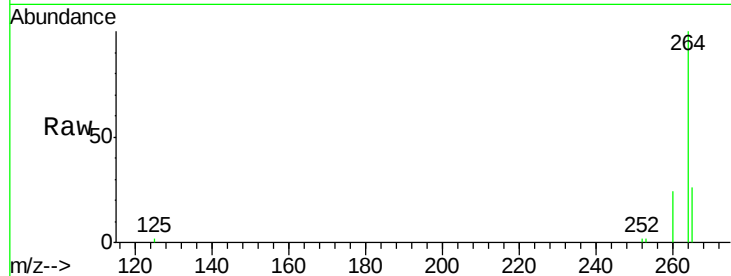




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

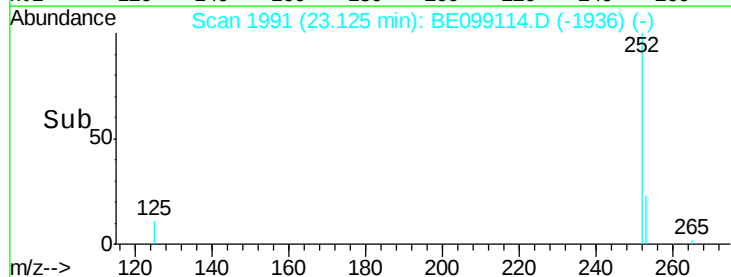
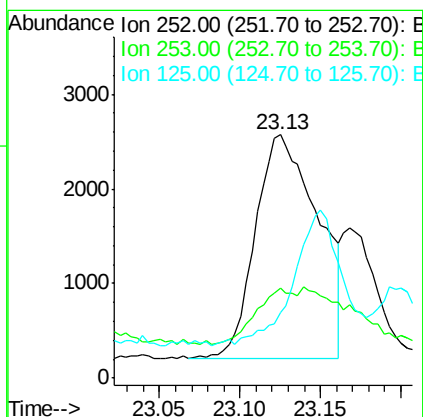
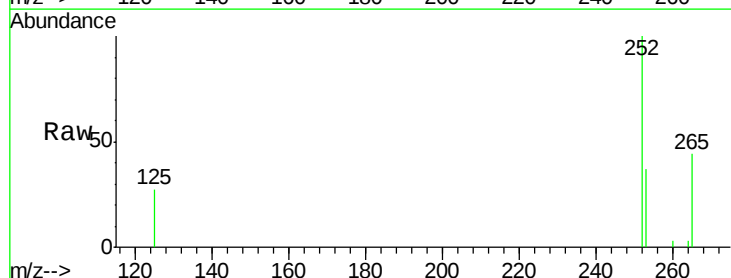
Instrument :
BNA_E
ClientSampleId :
PST-026-SW041-031919

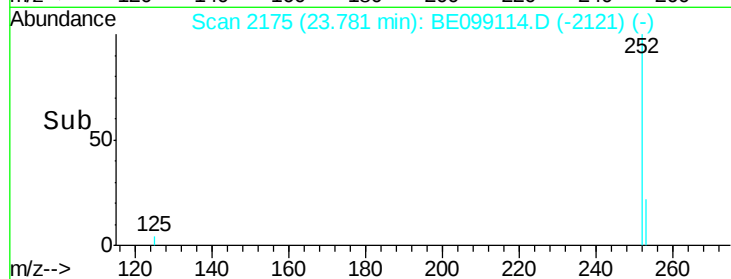
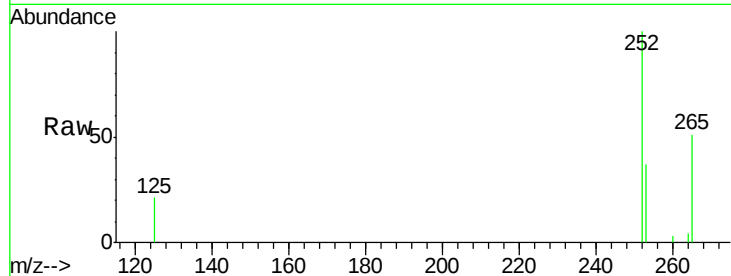
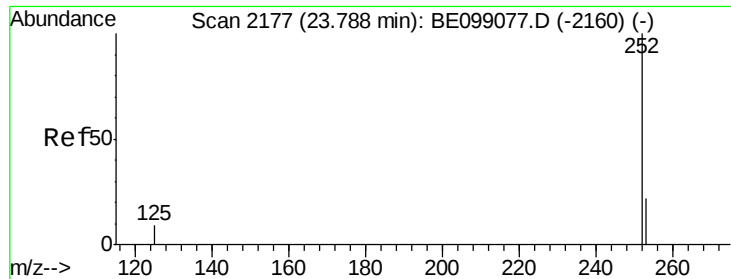
Tot Ion:264 Resp: 40522
Ion Ratio Lower Upper
264 100
260 23.9 21.2 31.8
265 26.4 24.6 36.8



#35
Benzo(b)fluoranthene
Concen: 0.046 ng
RT: 23.13 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099114.D
Acq: 23 Mar 2019 16:24

Tgt Ion:252 Resp: 6402
Ion Ratio Lower Upper
252 100
253 36.8 18.2 27.2#
125 27.0 7.3 10.9#





#37

Benzo(a)pyrene

Concen: 0.033 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE099114.D

Acq: 23 Mar 2019 16:24

Instrument :

BNA_E

ClientSampleId :

PST-026-SW041-031919

Tot Ion: 252 Resp: 4306

Ion Ratio Lower Upper

252 100

253 37.3 19.9 29.9#

125 20.9 9.0 13.4#

