

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099403.D
 Acq On : 27 Apr 2019 6:43
 Operator : JU/SJ
 Sample : K2533-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B008-042219

Quant Time: Apr 29 01:51:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3304	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	12968	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	9720	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	26220	0.40	ng	0.01
27) Chrysene-d12	21.37	240	29969	0.40	ng	0.00
34) Perylene-d12	23.87	264	33556	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	3660	0.45	ng	0.01
5) Phenol-d6	6.98	99	5171	0.45	ng	0.00
8) Nitrobenzene-d5	8.98	82	4638	0.46	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9278	0.41	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2337	0.72	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13903	0.36	ng	0.00
25) Fluoranthene-d10	19.22	212	129836	0.41	ng	0.00
29) Terphenyl-d14	19.82	244	22488	0.38	ng	0.00

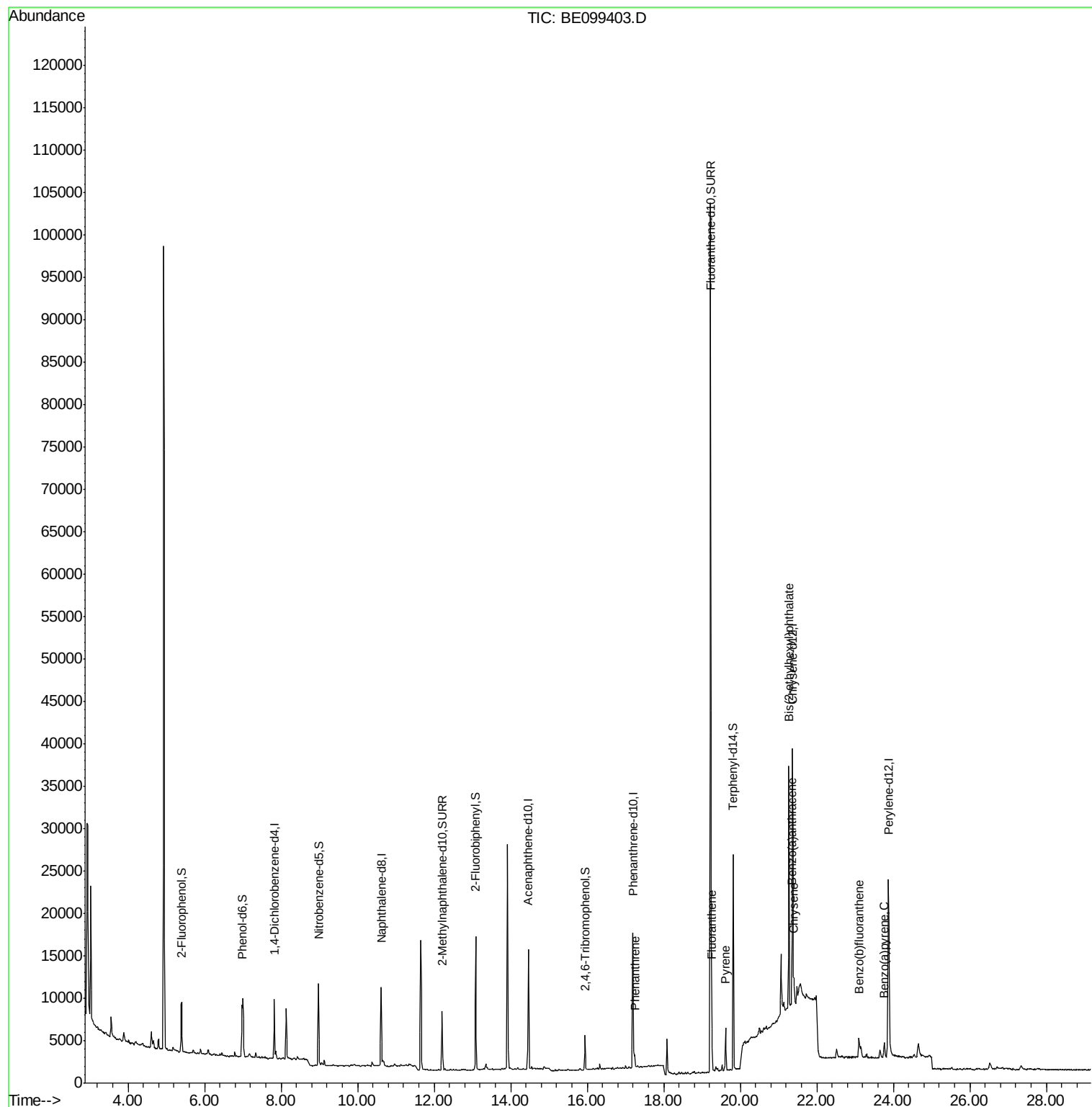
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.24	178	1738	0.025	ng	95
26) Fluoranthene	19.25	202	4663	0.050	ng	97
28) Pyrene	19.61	202	4742	0.054	ng	# 93
30) Benzo(a)anthracene	21.35	228	2990	0.034	ng	# 74
31) Chrysene	21.40	228	2848	0.030	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.27	149	28611	0.357	ng	# 100
35) Benzo(b)fluoranthene	23.10	252	3758	0.037	ng	# 25
37) Benzo(a)pyrene	23.76	252	2438	0.026	ng	# 7

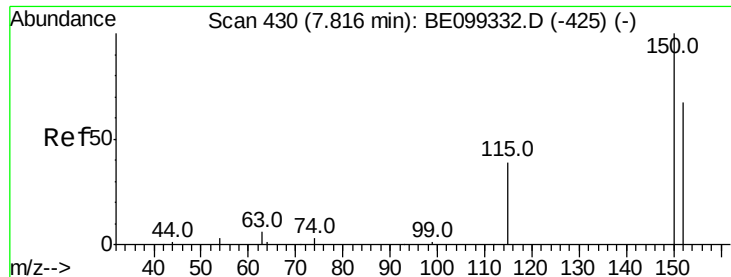
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

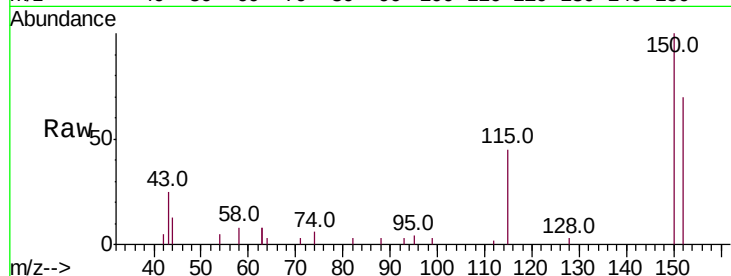
Tot Ion:152 Resp: 3304

Ion Ratio Lower Upper

152 100

150 143.2 119.5 179.3

115 64.4 47.5 71.3

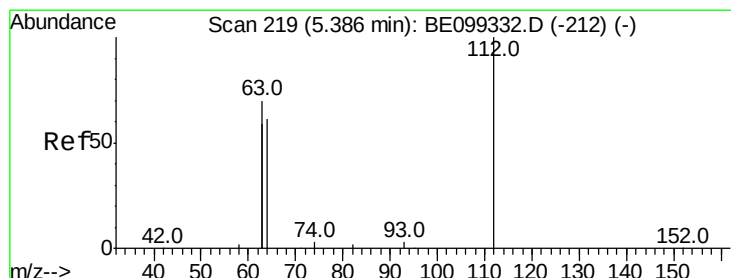
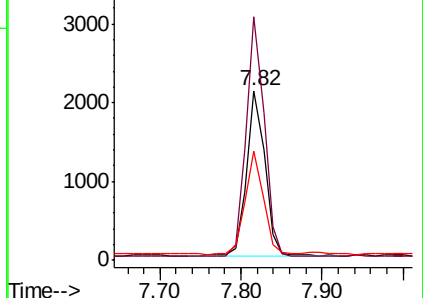
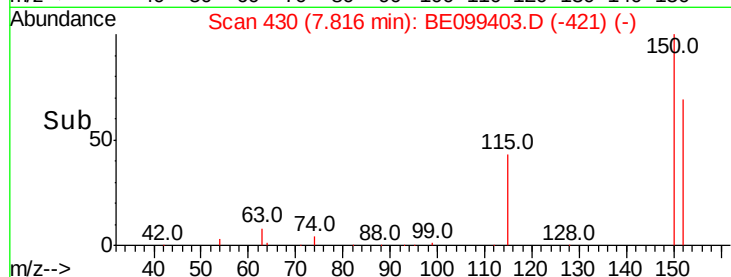


Abundance

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: 0.453 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

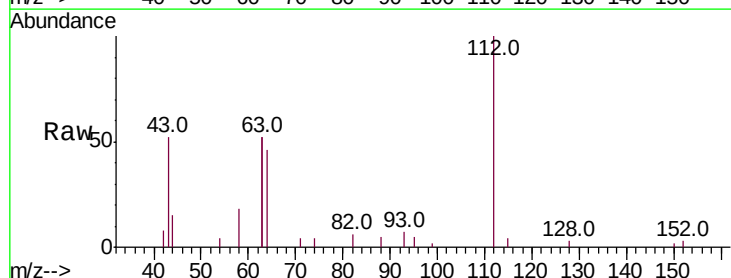
Tgt Ion:112 Resp: 3660

Ion Ratio Lower Upper

112 100

64 55.3 44.9 67.3

63 128.5 97.4 146.0

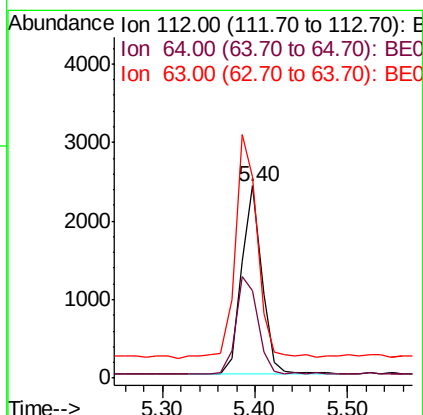
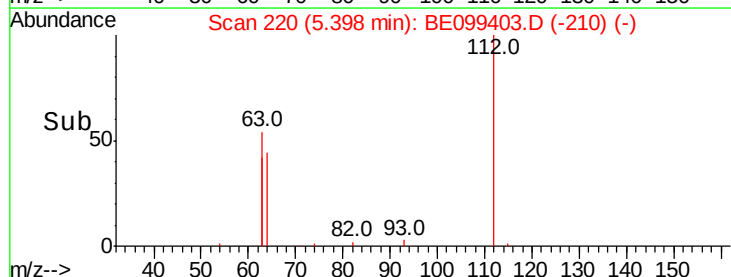


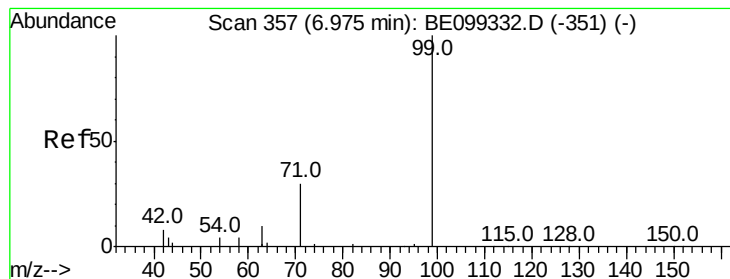
Abundance

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: 0.449 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

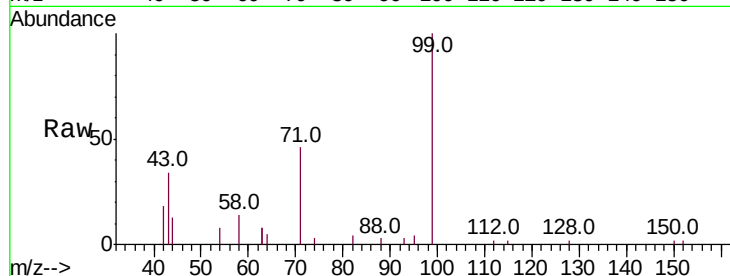
Tot Ion: 99 Resp: 5171

Ion Ratio Lower Upper

99 100

42 21.7 11.7 17.5#

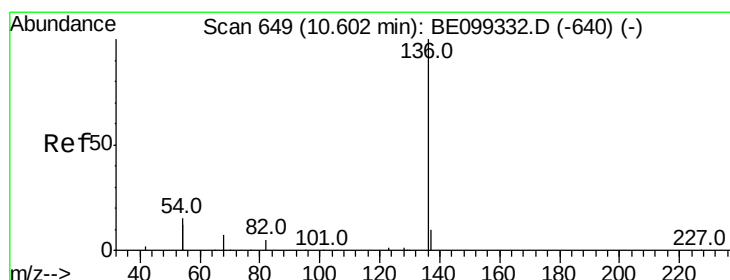
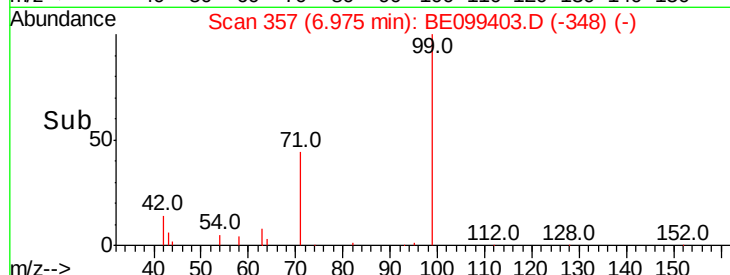
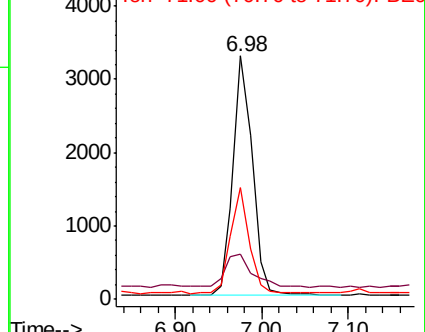
71 41.8 29.6 44.4



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: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Tgt Ion: 136 Resp: 12968

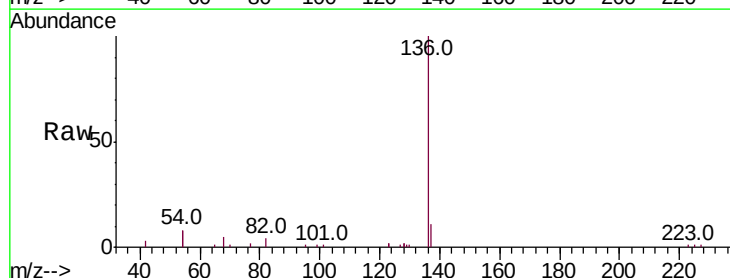
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 15.8 23.8 35.8#

68 4.6 6.4 9.6#

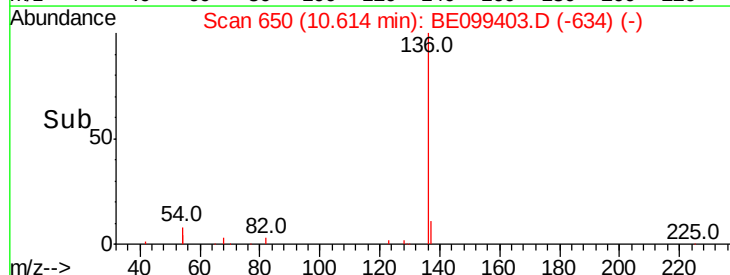
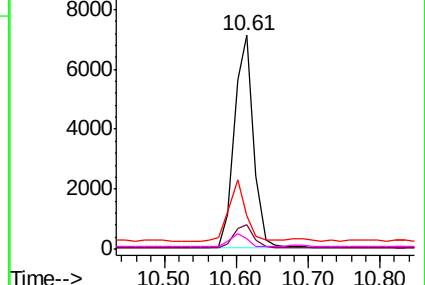


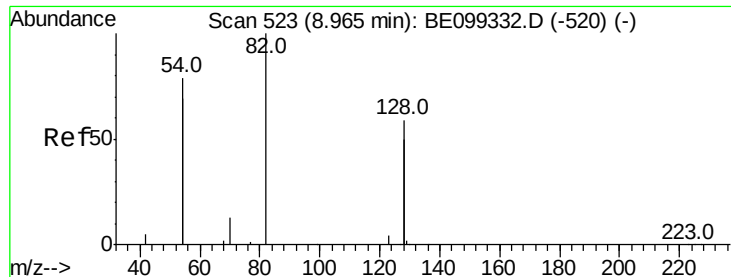
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.461 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

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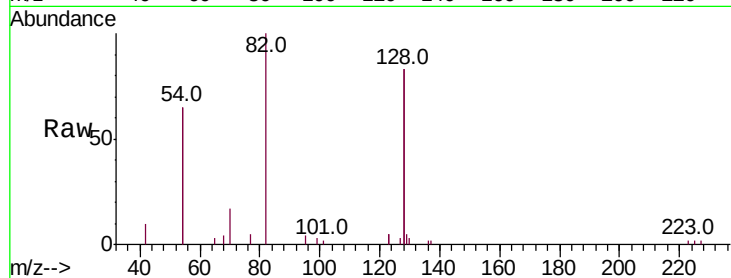
Tot Ion: 82 Resp: 4638

Ion Ratio Lower Upper

82 100

128 167.0 91.7 137.5#

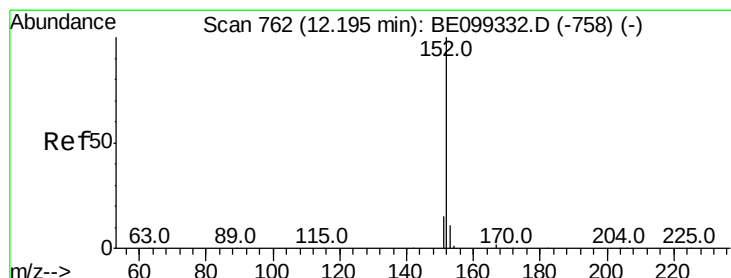
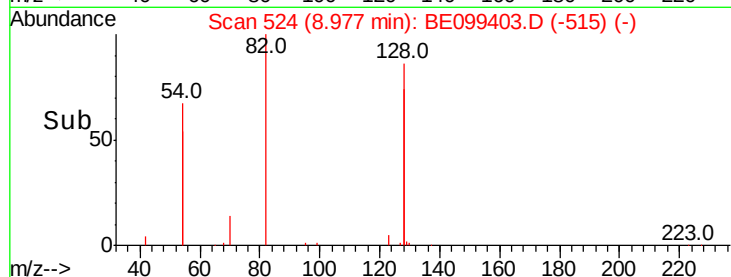
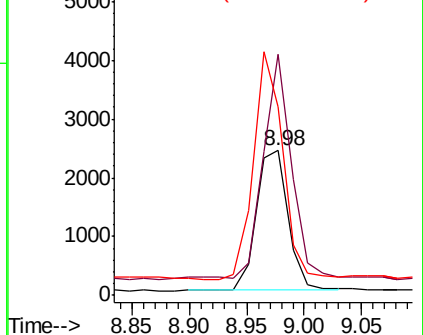
54 130.3 122.8 184.2



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: 0.405 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099403.D

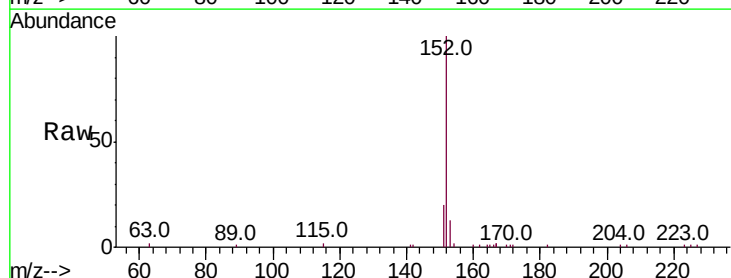
Acq: 27 Apr 2019 6:43

Tgt Ion: 152 Resp: 9278

Ion Ratio Lower Upper

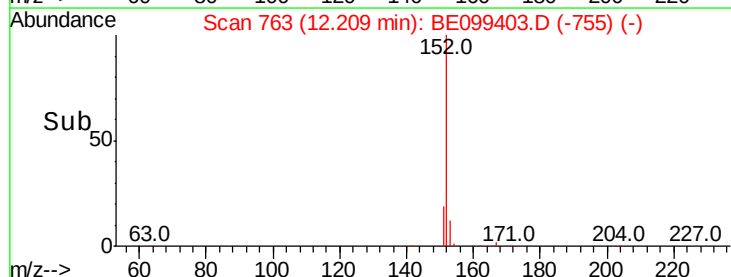
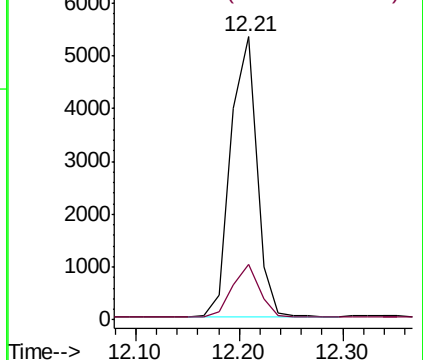
152 100

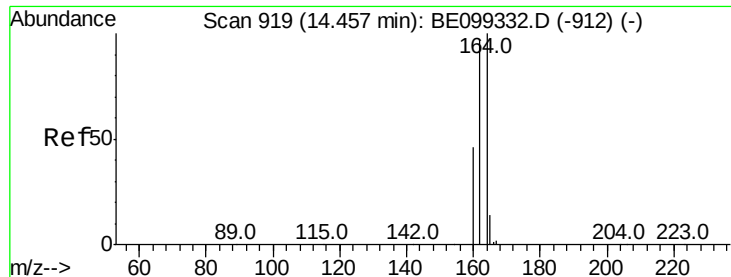
151 19.8 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

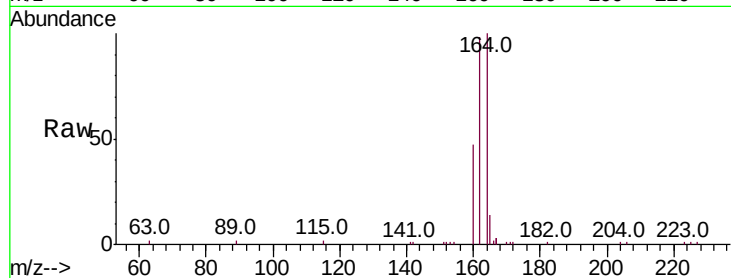




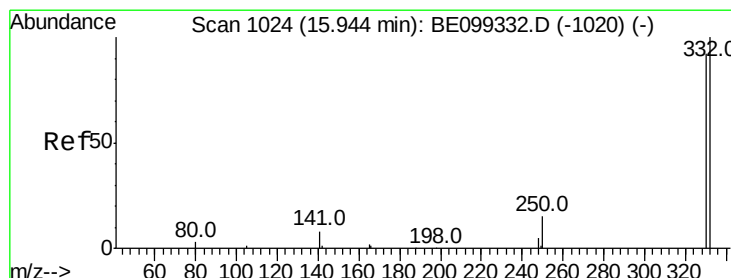
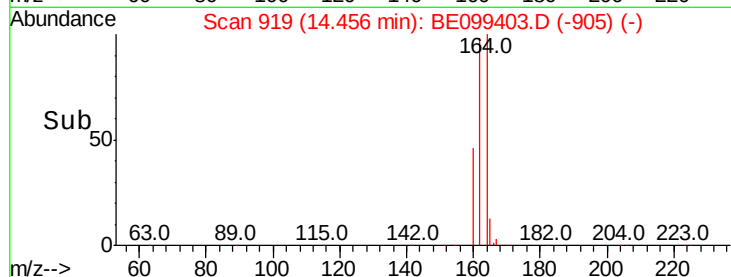
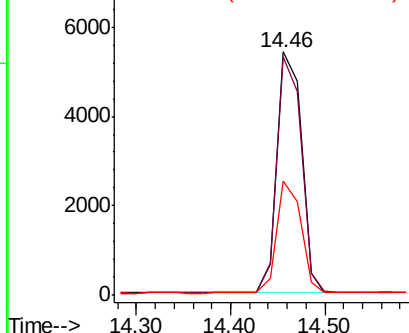
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

Instrument :
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Tot Ion:164 Resp: 9720
 Ion Ratio Lower Upper
 164 100
 162 98.1 77.8 116.6
 160 46.7 37.1 55.7

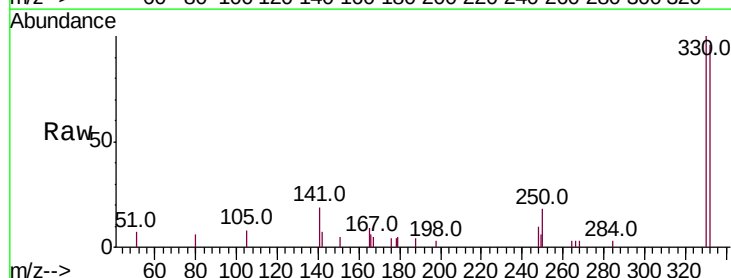


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

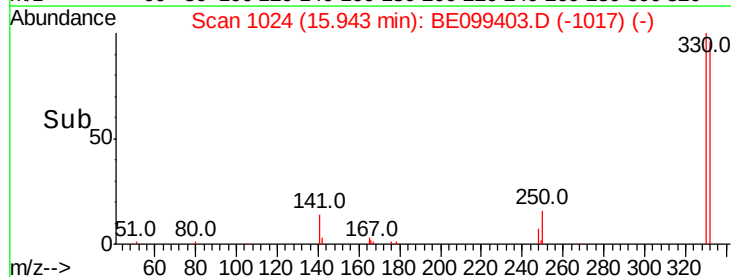
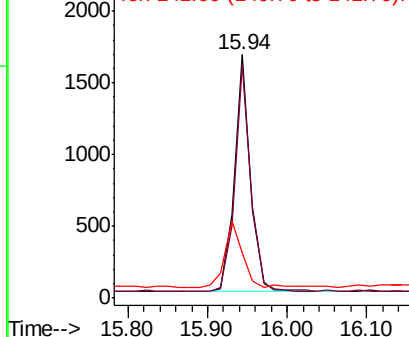


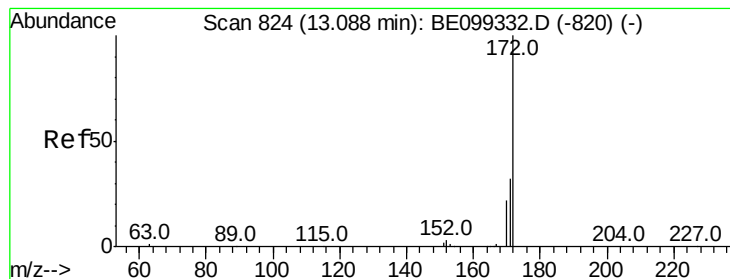
#14
 2,4,6-Tribromophenol
 Concen: 0.724 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

Tgt Ion:330 Resp: 2337
 Ion Ratio Lower Upper
 330 100
 332 94.7 82.5 123.7
 141 32.5 24.9 37.3



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

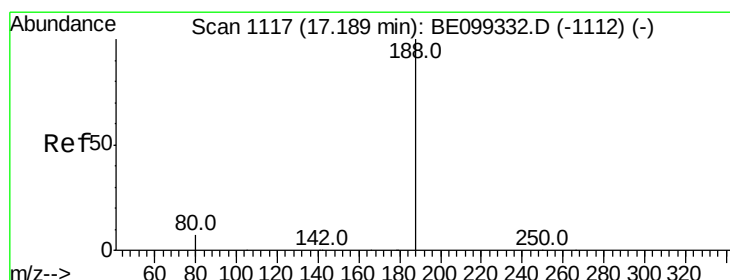
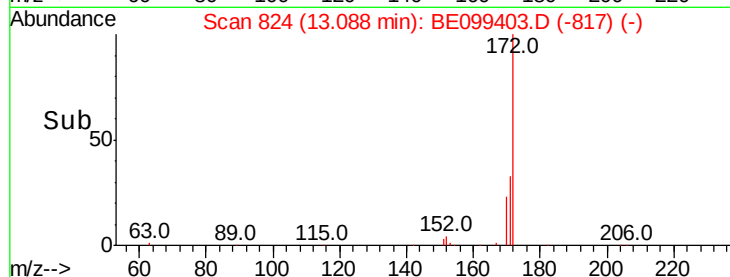
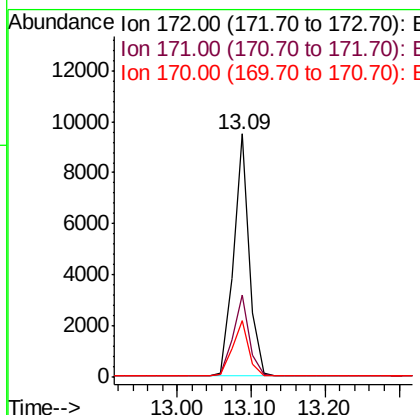
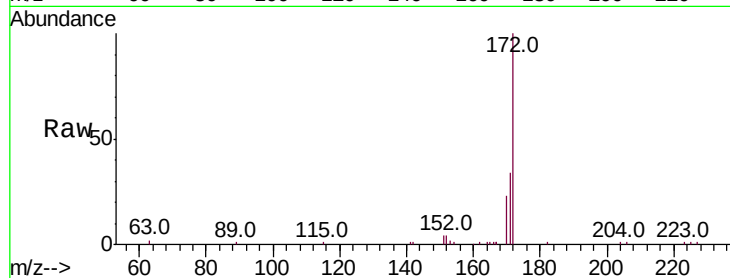




#15
 2-Fluorobiphenyl
 Concen: 0.364 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

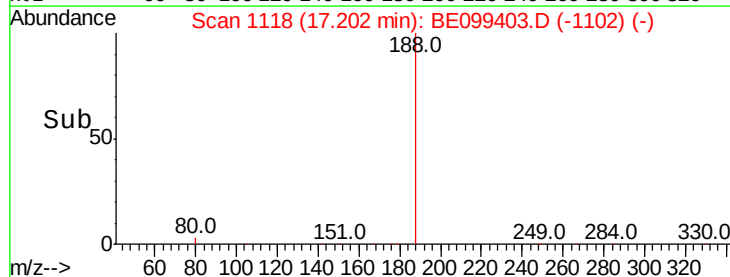
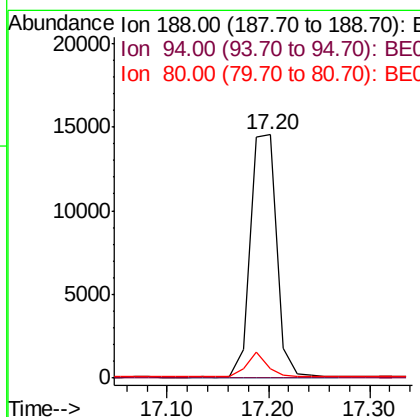
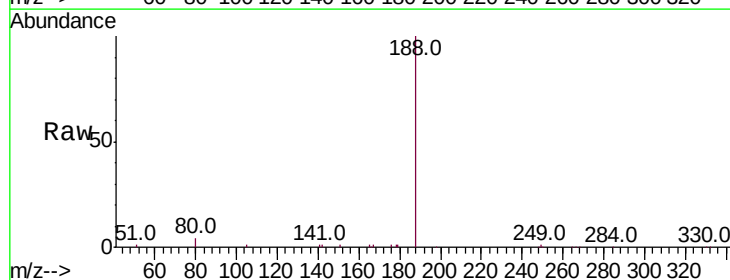
Instrument :
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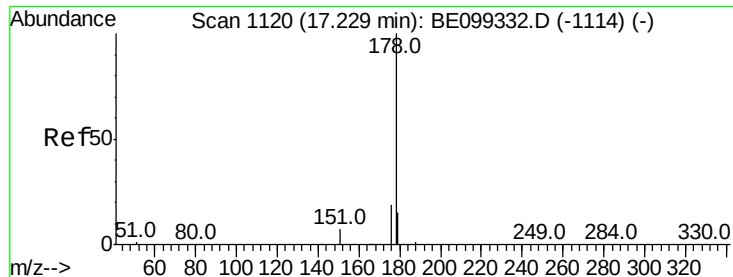
Tot Ion:172 Resp: 13903
 Ion Ratio Lower Upper
 172 100
 171 33.6 26.2 39.2
 170 23.2 18.1 27.1



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

Tgt Ion:188 Resp: 26220
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 4.1 6.2 9.4#





#23

Phenanthrene

Concen: 0.025 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

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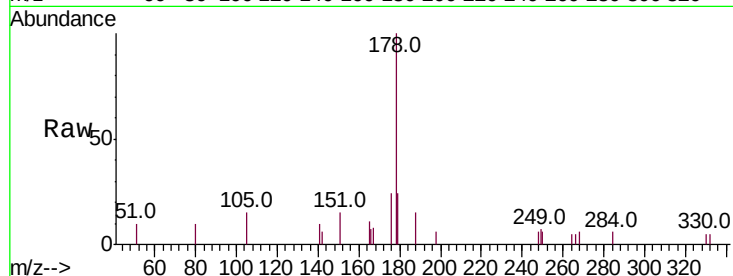
Tot Ion:178 Resp: 1738

Ion Ratio Lower Upper

178 100

176 22.2 15.3 22.9

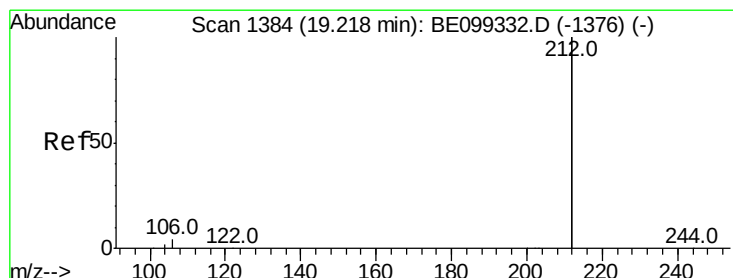
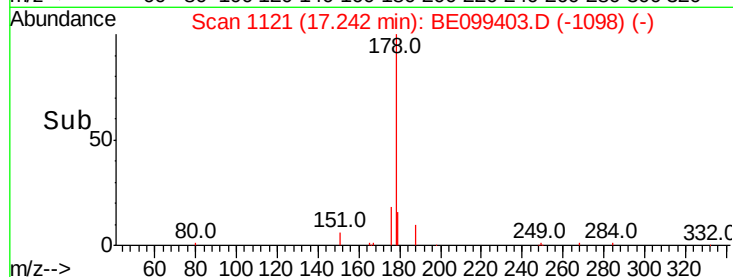
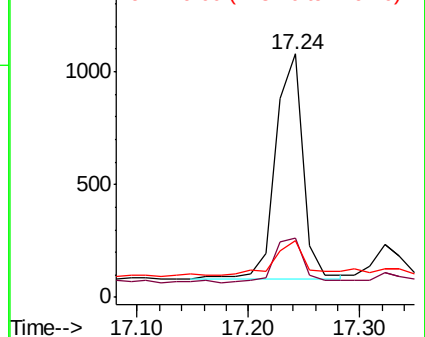
179 16.2 12.4 18.6



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: 0.412 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

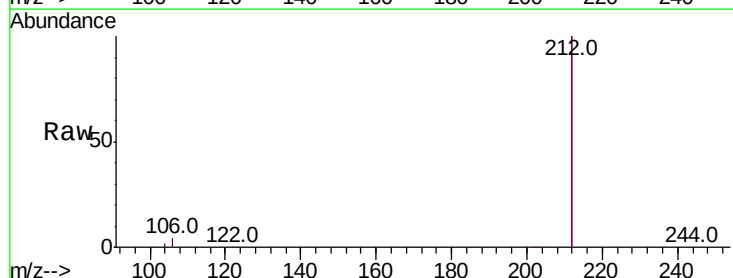
Tgt Ion:212 Resp: 129836

Ion Ratio Lower Upper

212 100

106 1.9 1.8 2.6

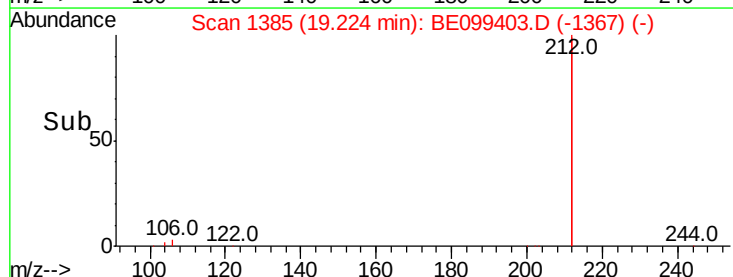
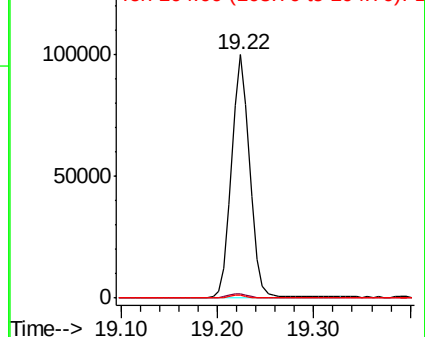
104 1.1 1.0 1.4

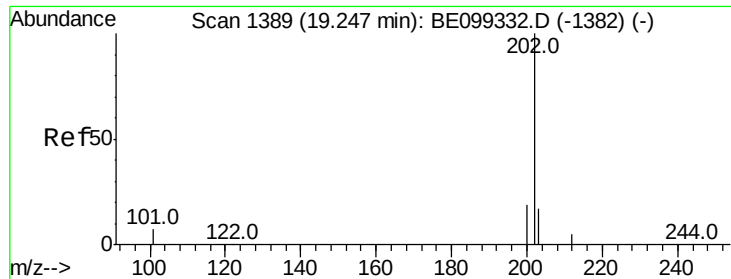


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

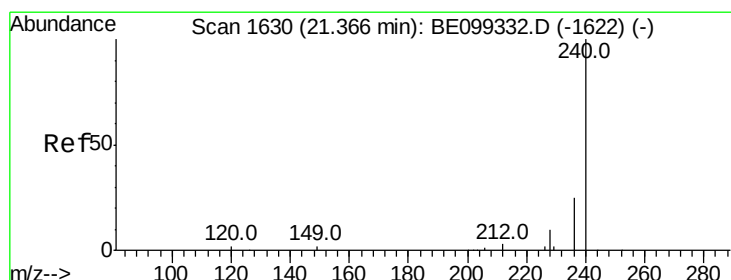
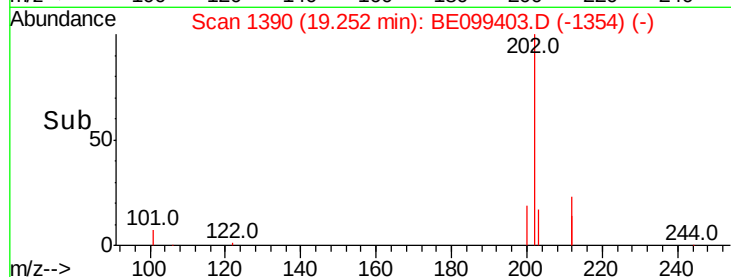
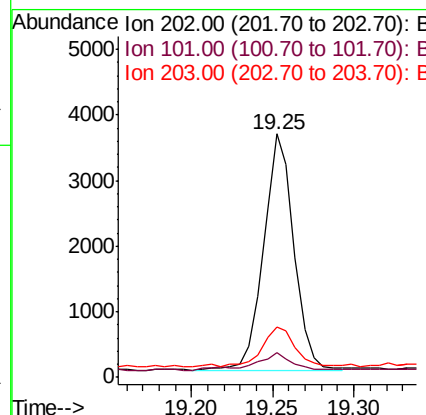
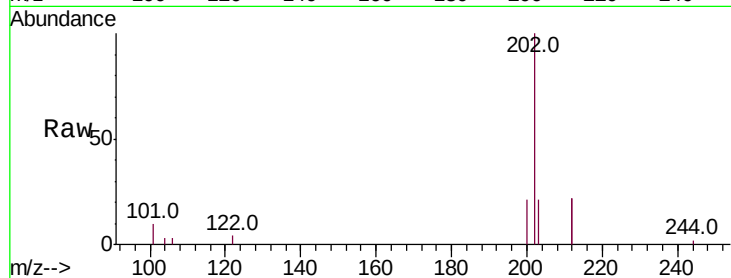




#26
 Fluoranthene
 Concen: 0.050 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

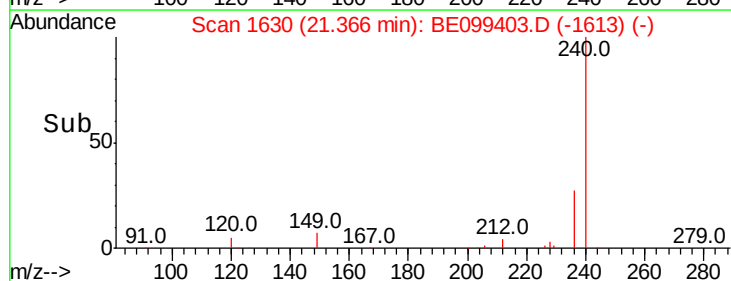
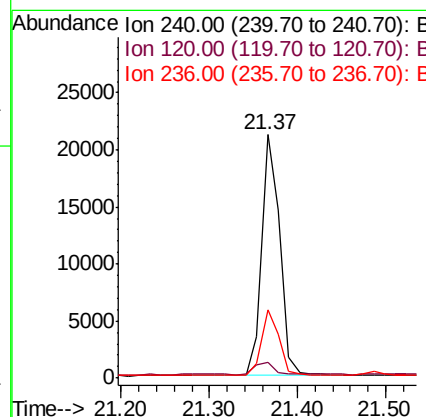
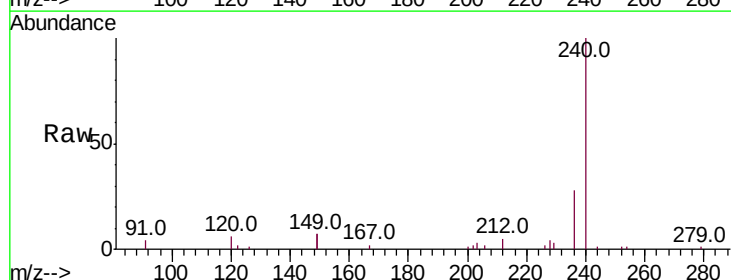
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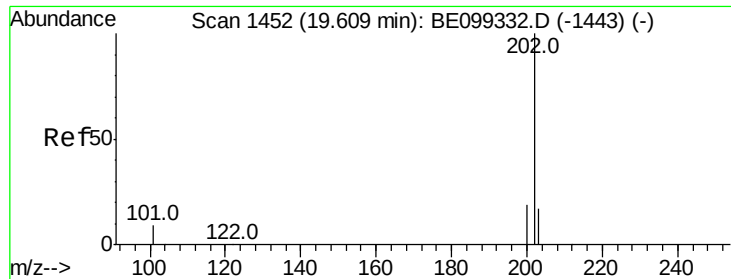
Tot Ion:202 Resp: 4663
 Ion Ratio Lower Upper
 202 100
 101 9.2 6.4 9.6
 203 18.0 13.5 20.3



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

Tgt Ion:240 Resp: 29969
 Ion Ratio Lower Upper
 240 100
 120 6.4 2.2 3.2#
 236 28.1 20.2 30.4

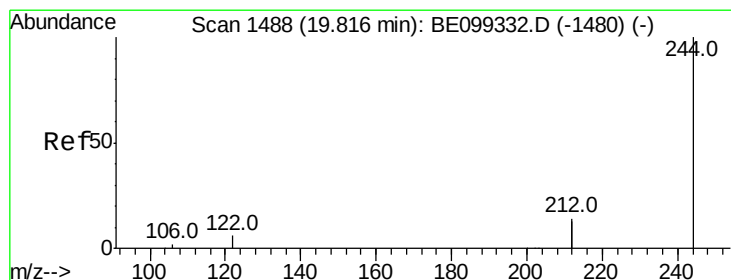
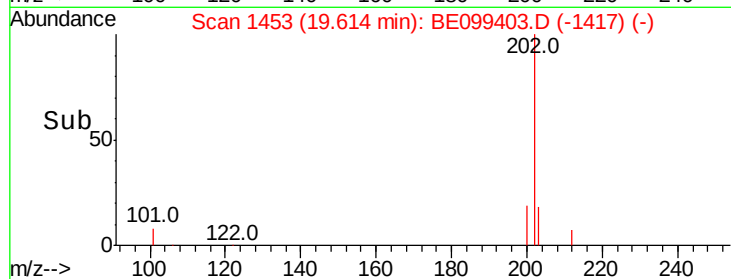
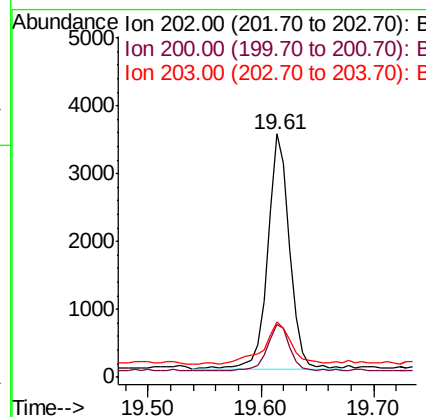
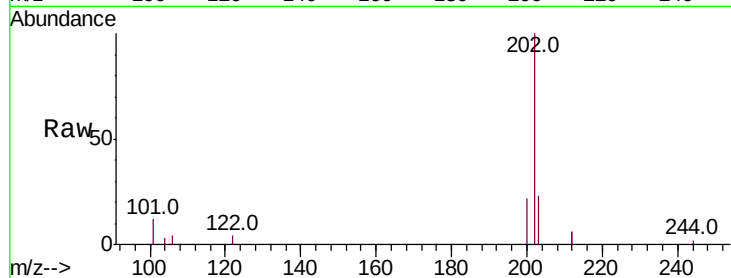




#28
Pvrene
Concen: 0.054 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

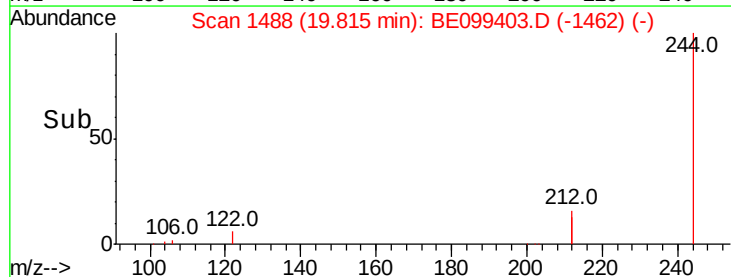
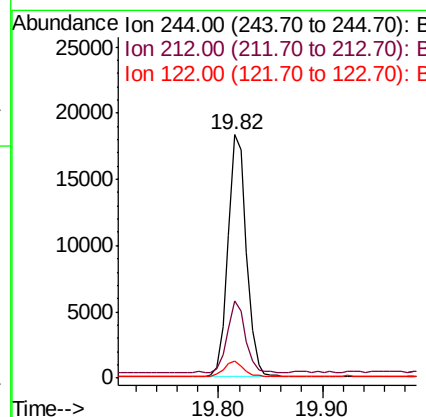
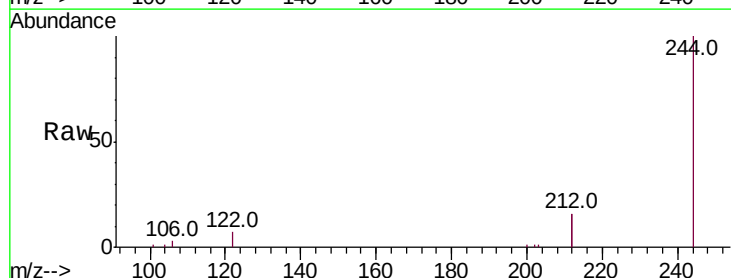
Instrument :
BNA_E
ClientSampleId :
PST-028-B008-042219

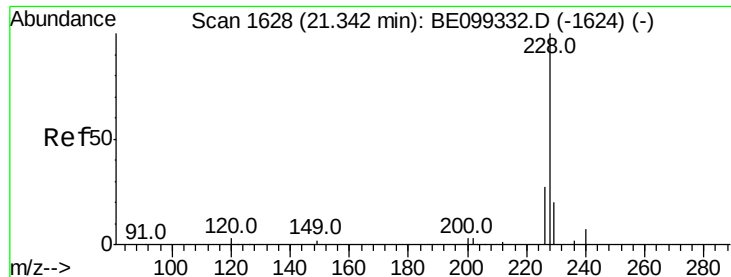
Tot Ion:202 Resp: 4742
Ion Ratio Lower Upper
202 100
200 20.4 15.7 23.5
203 22.5 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.381 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

Tgt Ion:244 Resp: 22488
Ion Ratio Lower Upper
244 100
212 31.5 22.6 33.8
122 6.8 4.6 7.0





#30

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

Instrument :

BNA_E

ClientSampleId :

PST-028-B008-042219

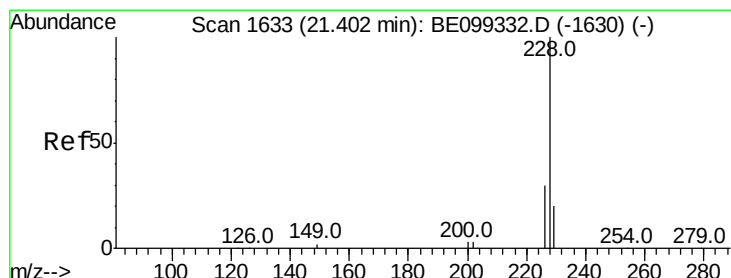
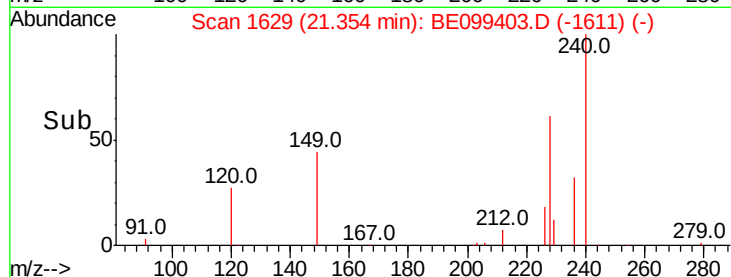
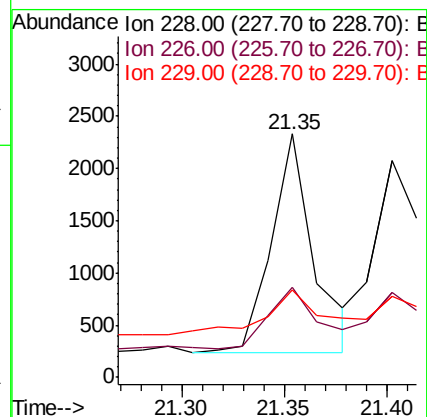
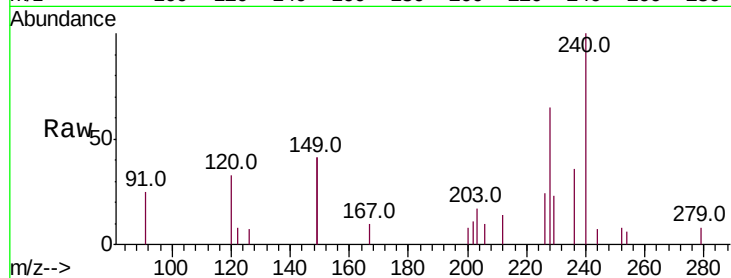
Tot Ion:228 Resp: 2990

Ion Ratio Lower Upper

228 100

226 37.1 22.0 33.0#

229 36.1 15.8 23.8#



#31

Chrysene

Concen: 0.030 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099403.D

Acq: 27 Apr 2019 6:43

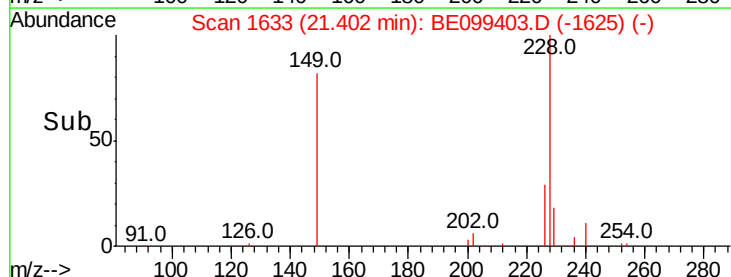
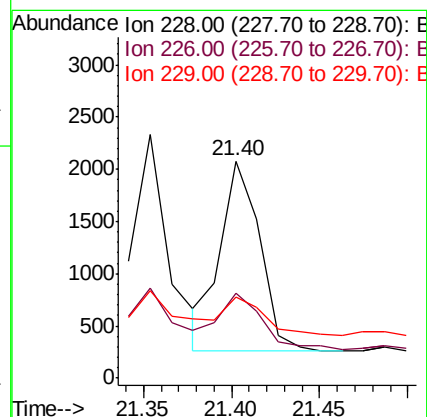
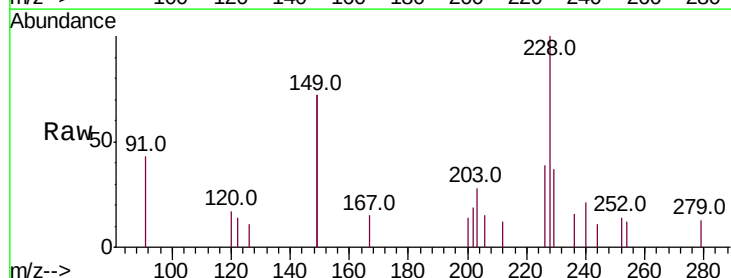
Tgt Ion:228 Resp: 2848

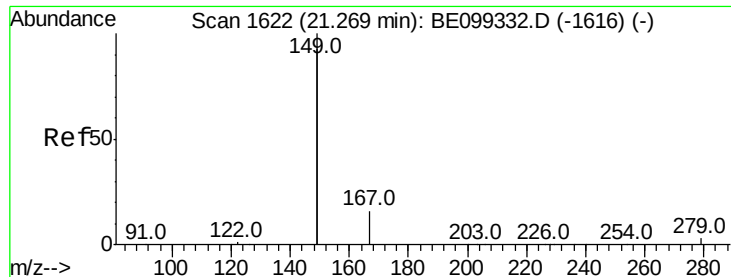
Ion Ratio Lower Upper

228 100

226 39.4 23.4 35.2#

229 37.4 16.2 24.2#

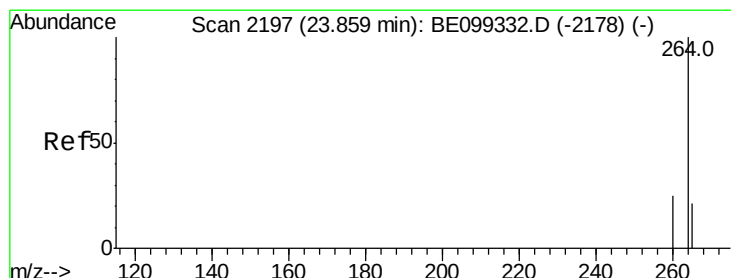
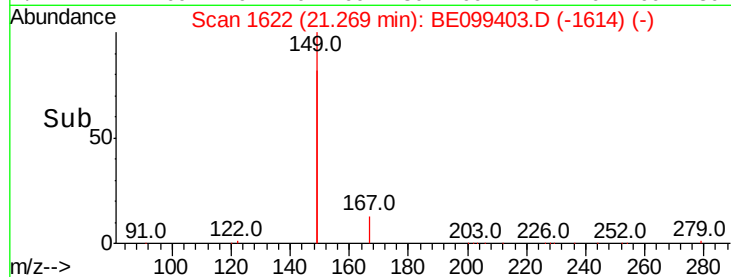
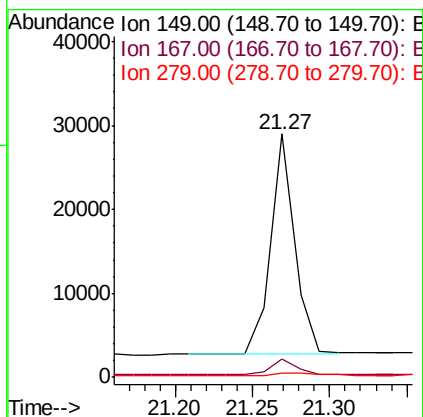
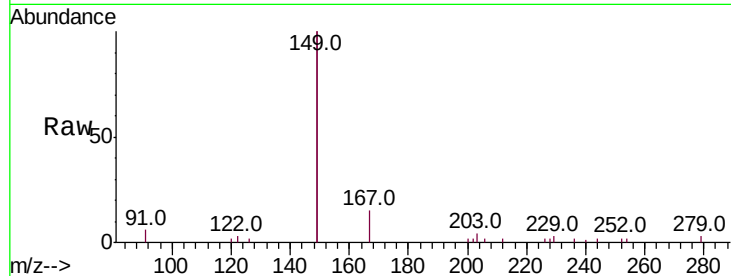




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.357 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

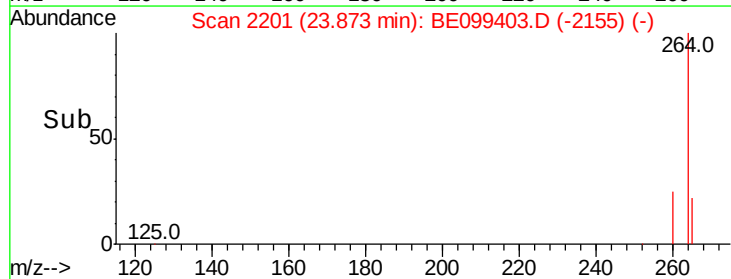
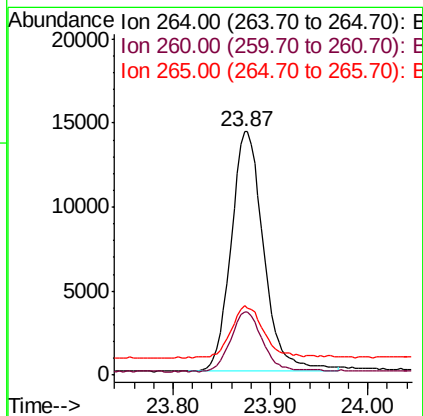
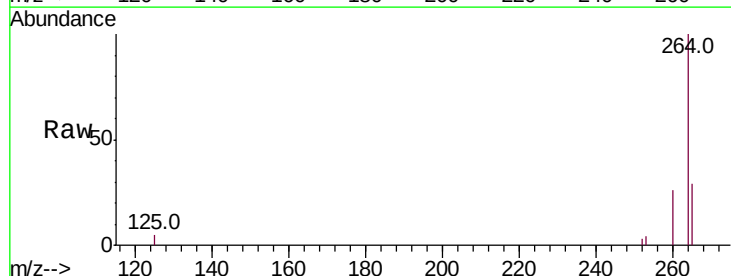
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B008-042219

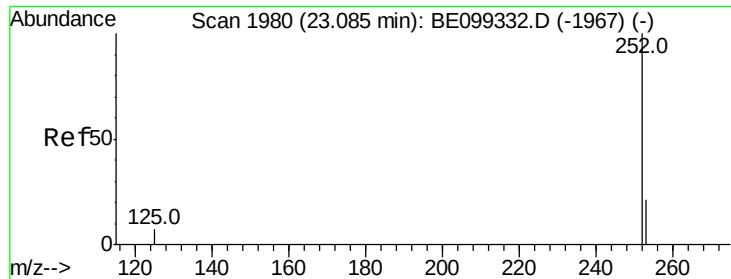
Tot Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.0	9.0
279	1.8	1.1	1.7#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BE099403.D
 Acq: 27 Apr 2019 6:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	28.5	19.9	29.9

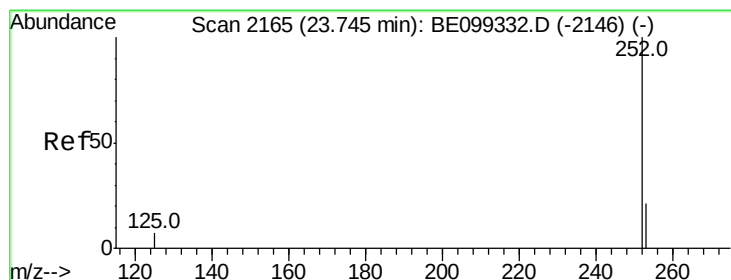
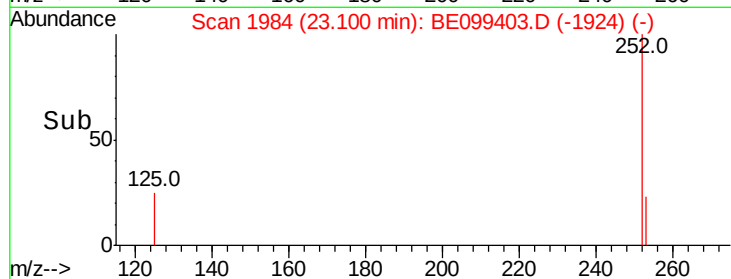
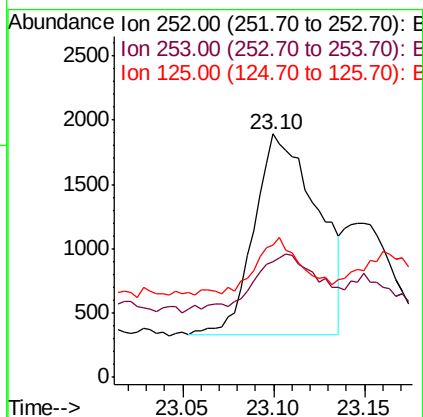
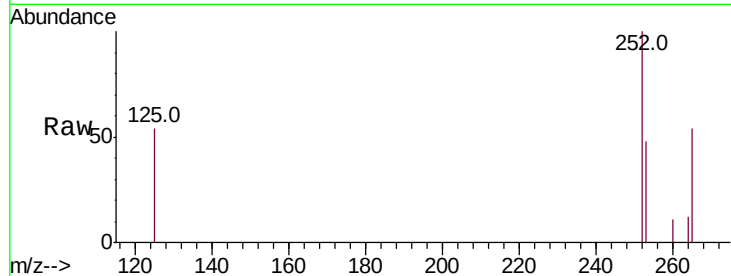




#35
Benzo(b)fluoranthene
Concen: 0.037 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

Instrument :
BNA_E
ClientSampleId :
PST-028-B008-042219

Tot Ion:252 Resp: 3758
Ion Ratio Lower Upper
252 100
253 47.6 17.3 25.9#
125 54.2 5.8 8.6#



#37
Benzo(a)pyrene
Concen: 0.026 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.01 min
Lab File: BE099403.D
Acq: 27 Apr 2019 6:43

Tgt Ion:252 Resp: 2438
Ion Ratio Lower Upper
252 100
253 56.1 17.6 26.4#
125 61.3 6.5 9.7#

