

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099461.D
 Acq On : 1 May 2019 13:16
 Operator : JU/SJ
 Sample : K2589-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B197-042519

Quant Time: May 02 08:10:19 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	1810	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	6600	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5305	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18865	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24016	0.40	ng	0.00
34) Perylene-d12	23.86	264	27666	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2137	0.43	ng	0.00
5) Phenol-d6	6.97	99	2867	0.43	ng	0.00
8) Nitrobenzene-d5	8.96	82	2359	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4487	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1530	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	6766	0.33	ng	-0.02
25) Fluoranthene-d10	19.22	212	85492	0.34	ng	0.00
29) Terphenyl-d14	19.81	244	16821	0.38	ng	0.00

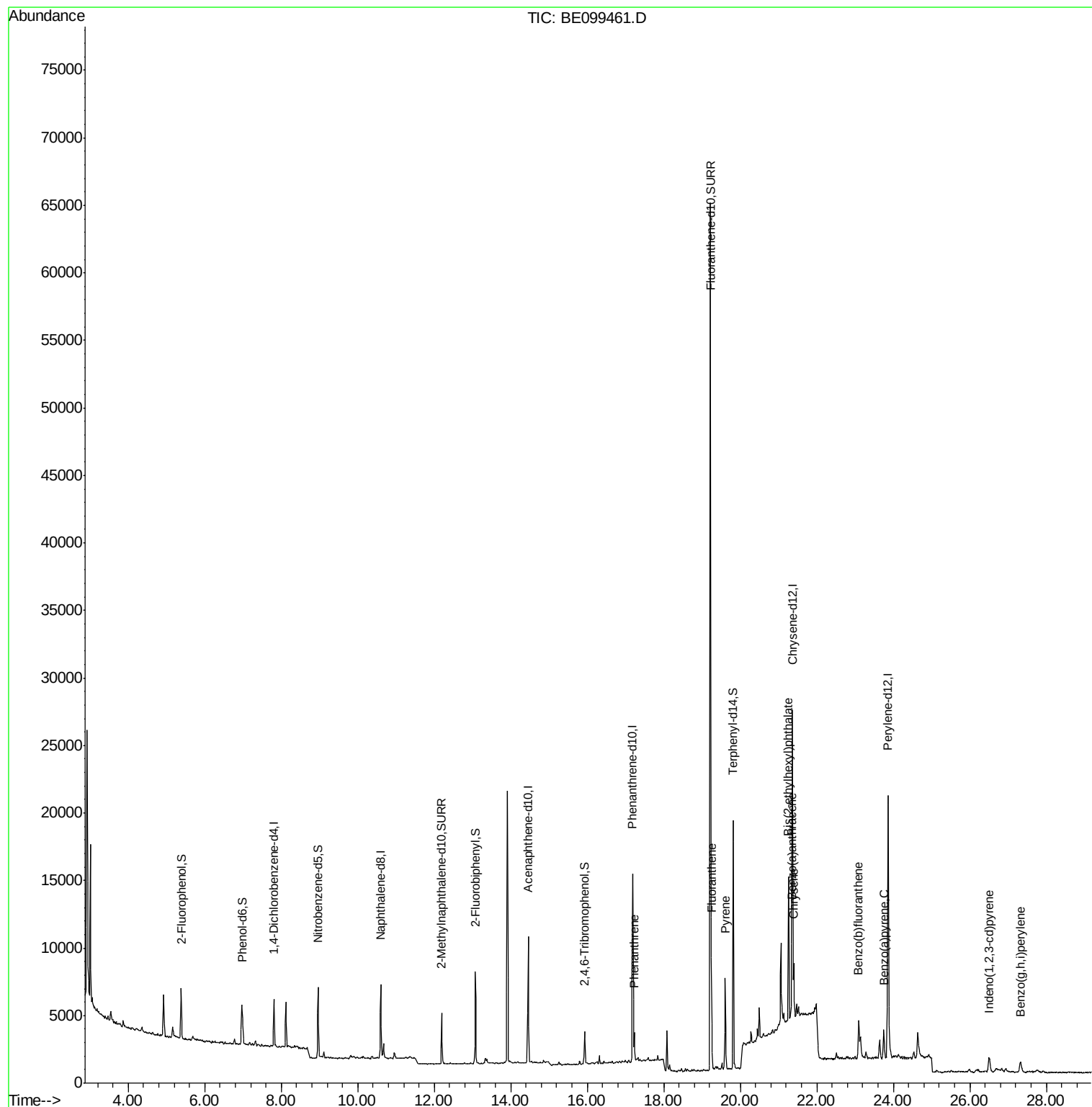
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.23	178	2080	0.043	ng	# 94
26) Fluoranthene	19.25	202	6583	0.090	ng	# 99
28) Pyrene	19.61	202	6328	0.101	ng	# 96
30) Benzo(a)anthracene	21.34	228	3774	0.049	ng	# 88
31) Chrysene	21.40	228	3904	0.052	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.26	149	15388	0.071	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.50	276	2125	0.024	ng	# 91
35) Benzo(b)fluoranthene	23.09	252	4893	0.061	ng	# 48
37) Benzo(a)pyrene	23.75	252	3165	0.042	ng	# 52
39) Benzo(g,h,i)perylene	27.32	276	2123	0.027	ng	# 68

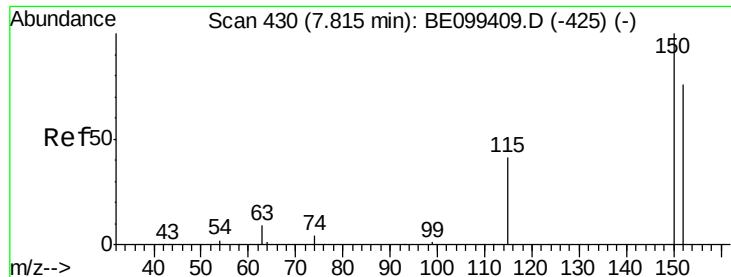
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099461.D

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Instrument :

BNA_E

ClientSampleId :

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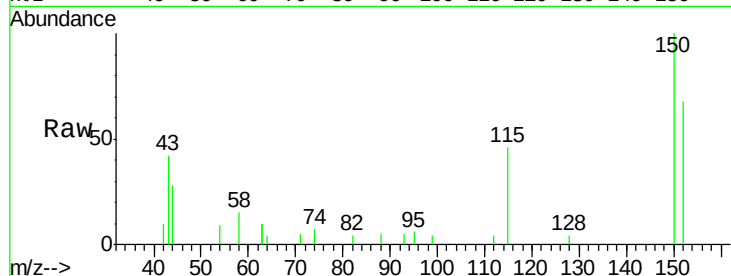
Tgt Ion:152 Resp: 1810

Ion Ratio Lower Upper

152 100

150 146.2 104.8 157.2

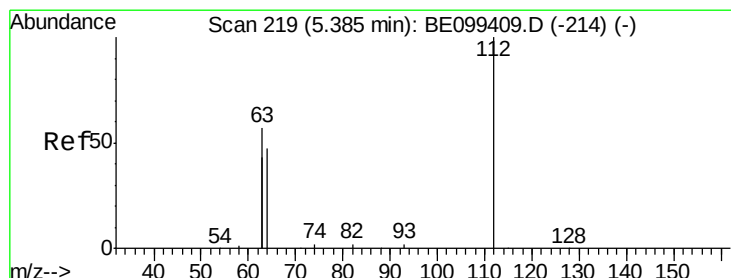
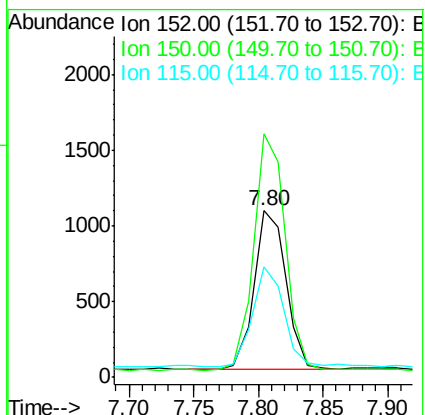
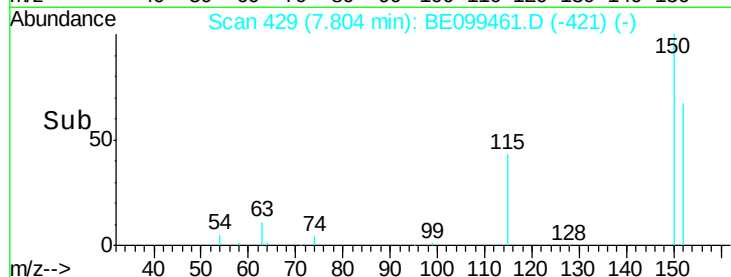
115 66.7 46.6 69.8



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: 0.427 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

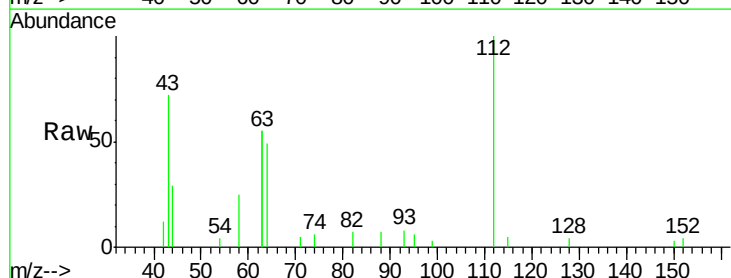
Tgt Ion:112 Resp: 2137

Ion Ratio Lower Upper

112 100

64 53.8 47.4 71.0

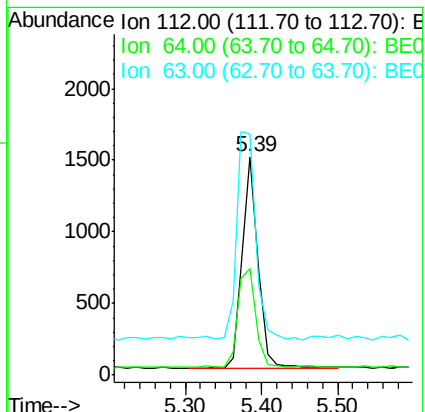
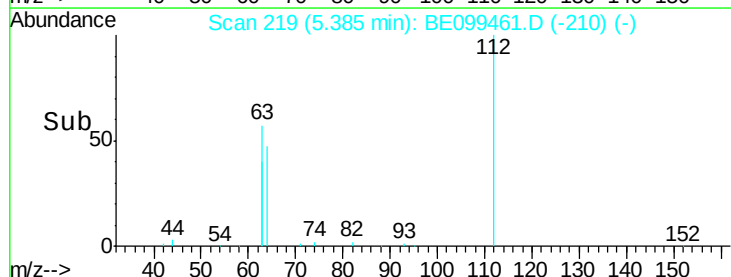
63 120.5 104.3 156.5

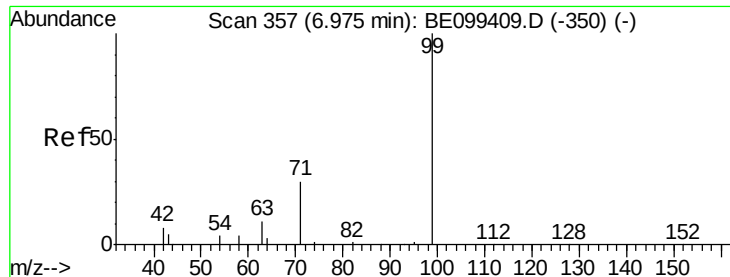


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.431 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

Instrument :

BNA_E

ClientSampleId :

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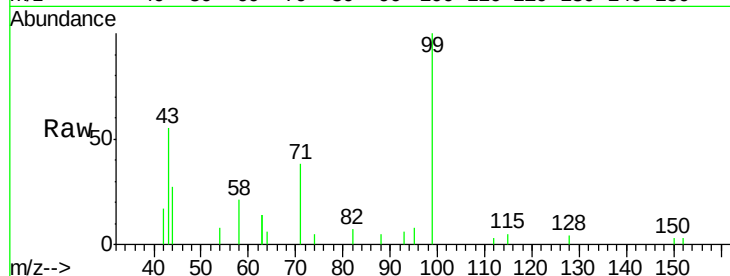
Tgt Ion: 99 Resp: 2867

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

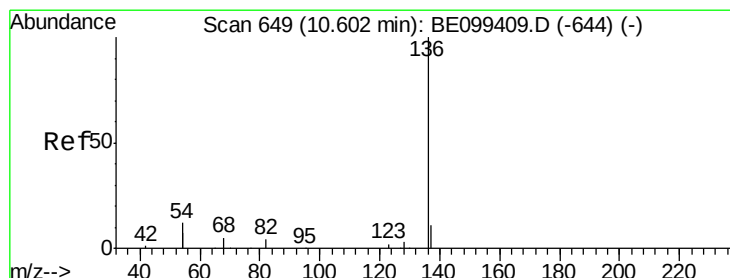
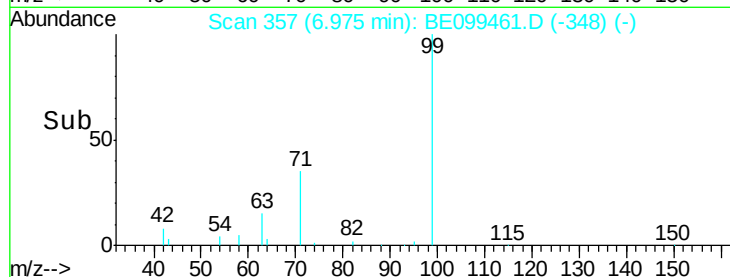
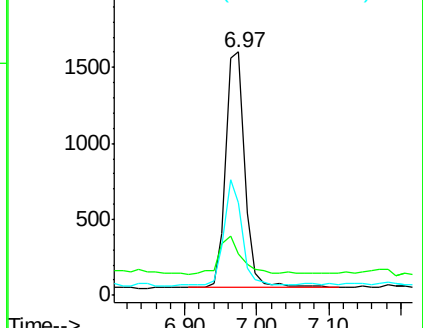
71 42.5 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

Tgt Ion: 136 Resp: 6600

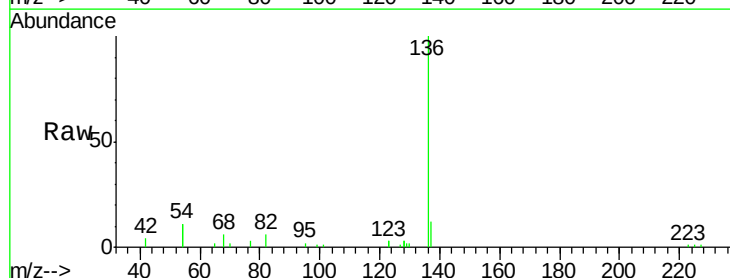
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.8

54 22.1 18.5 27.7

68 6.5 4.7 7.1

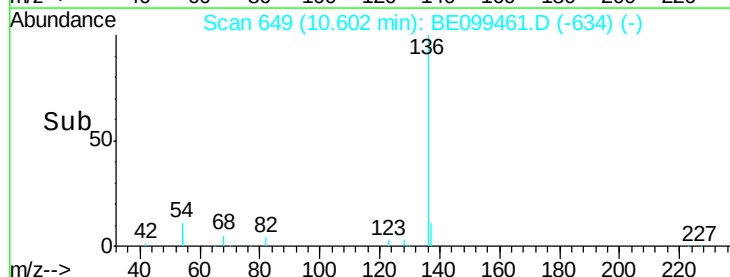
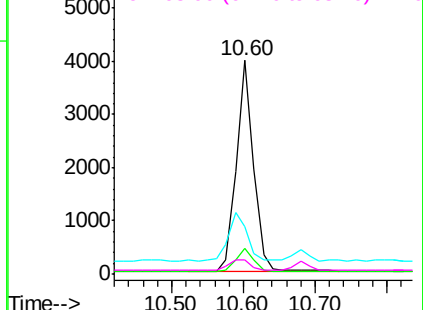


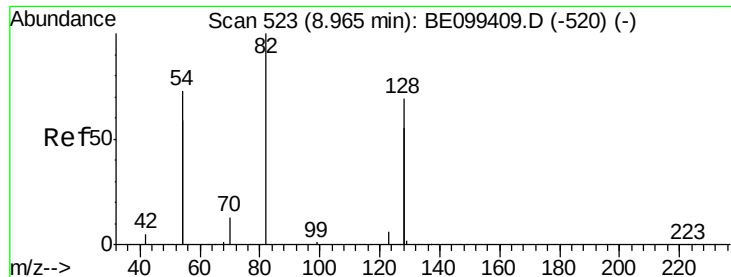
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.381 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

Instrument :

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ClientSampleId :

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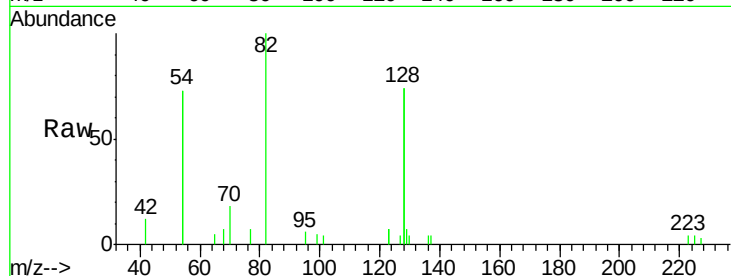
Tgt Ion: 82 Resp: 2359

Ion Ratio Lower Upper

82 100

128 148.3 107.0 160.4

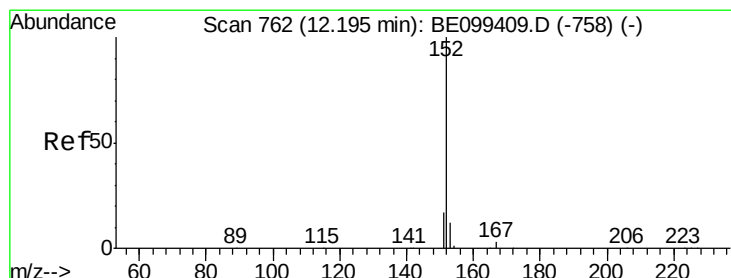
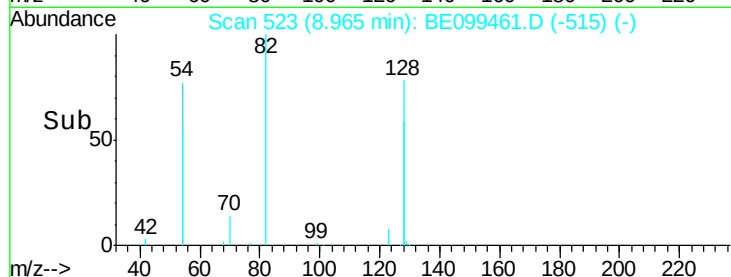
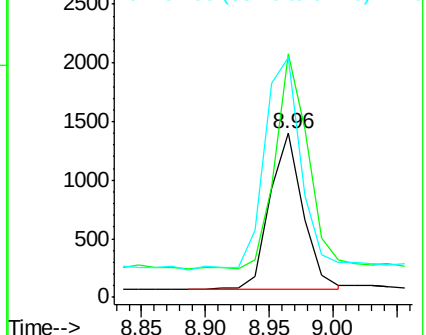
54 146.0 113.1 169.7



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: 0.377 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099461.D

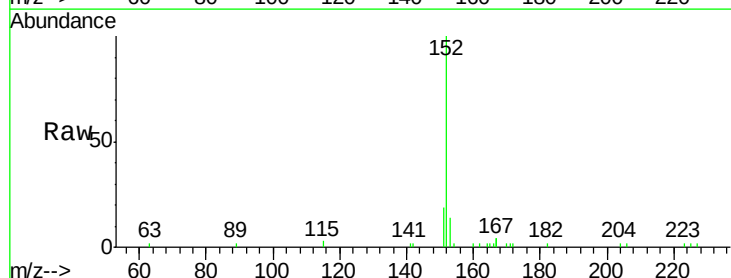
Acq: 1 May 2019 13:16

Tgt Ion: 152 Resp: 4487

Ion Ratio Lower Upper

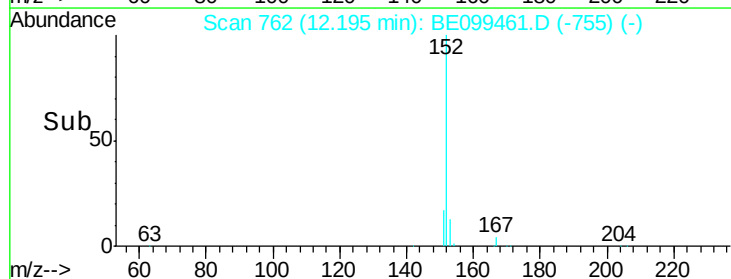
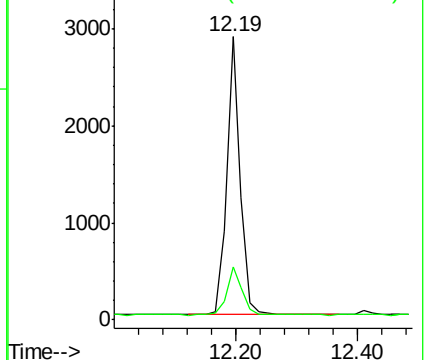
152 100

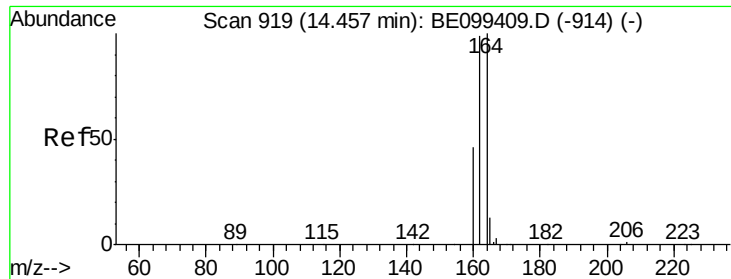
151 19.5 15.5 23.3



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

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

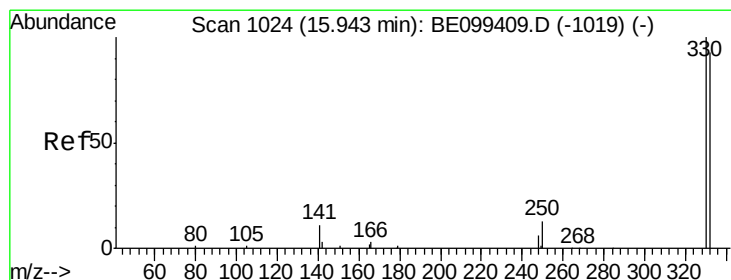
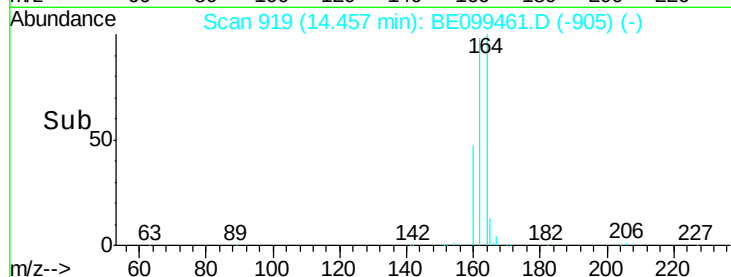
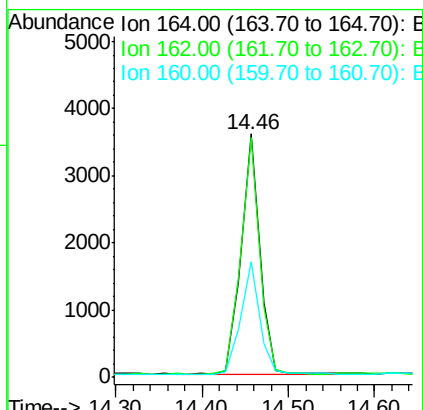
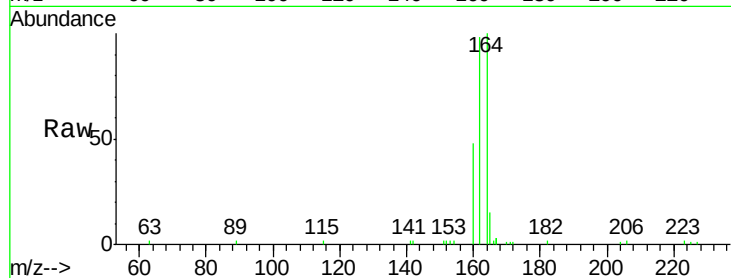




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099461.D
Acq: 1 May 2019 13:16

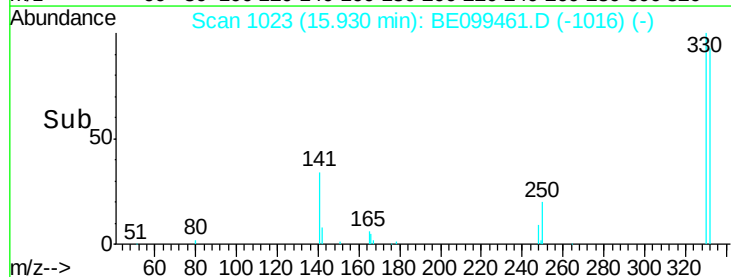
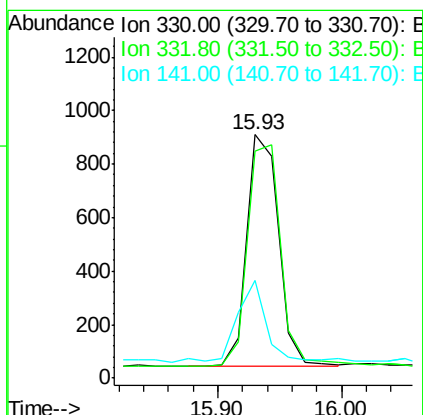
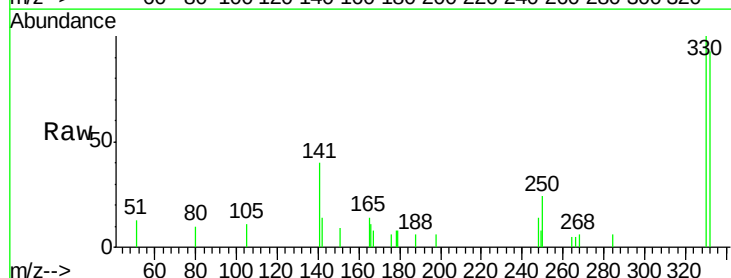
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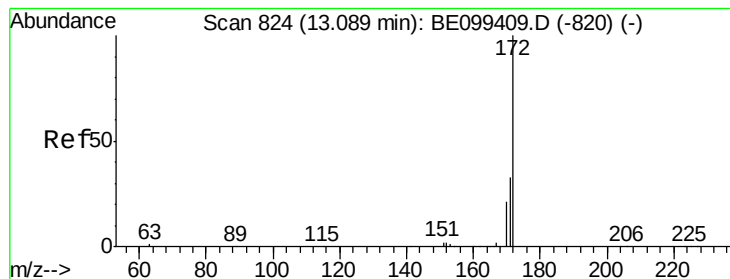
Tgt Ion:164 Resp: 5305
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.4
160 47.7 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.458 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099461.D
Acq: 1 May 2019 13:16

Tgt Ion:330 Resp: 1530
Ion Ratio Lower Upper
330 100
332 103.8 71.5 107.3
141 35.0 24.0 36.0

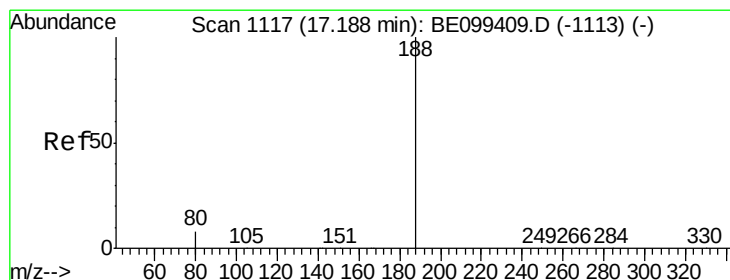
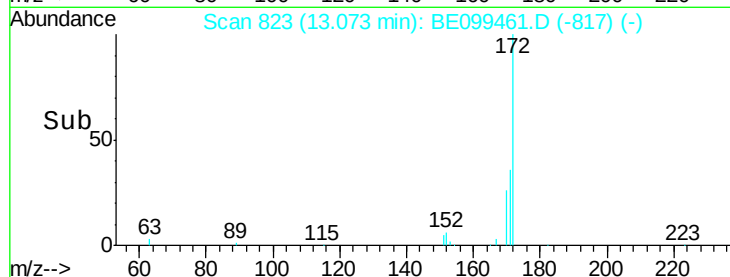
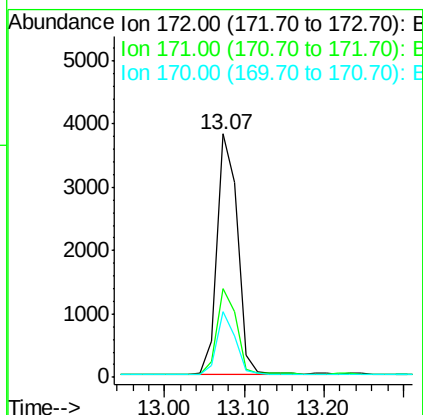
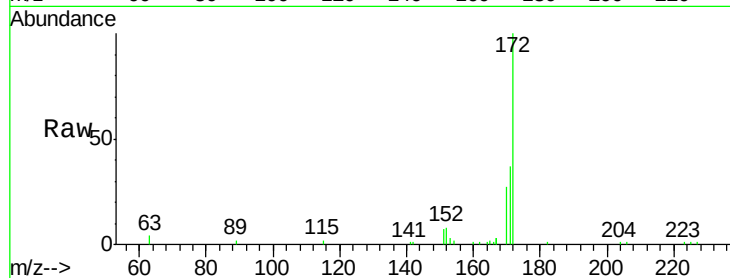




#15
 2-Fluorobiphenyl
 Concen: 0.334 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

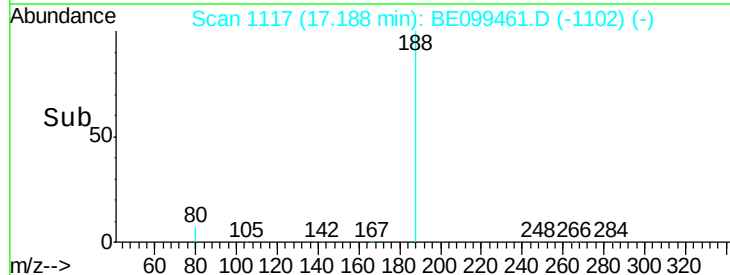
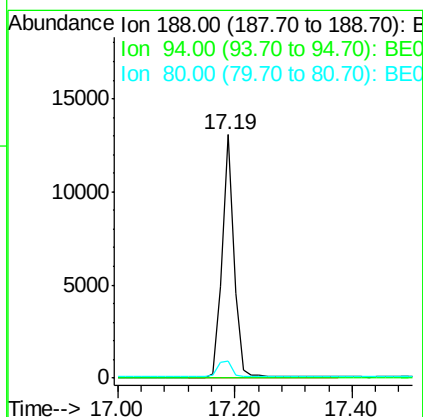
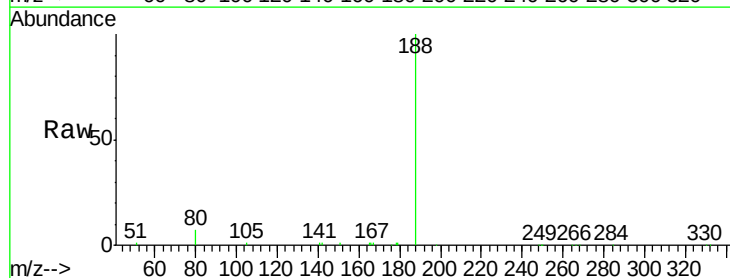
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B197-042519

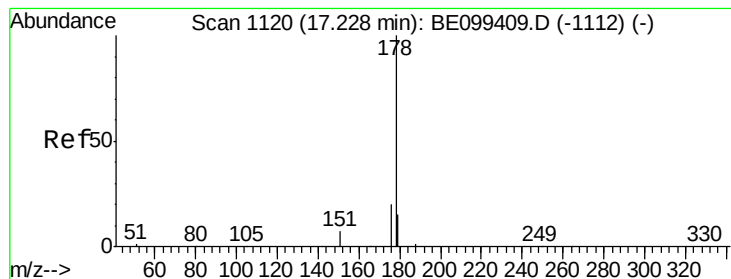
Tgt Ion:172 Resp: 6766
 Ion Ratio Lower Upper
 172 100
 171 36.6 26.6 39.8
 170 26.8 17.0 25.6#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

Tgt Ion:188 Resp: 18865
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.1 6.7 10.1





#23

Phenanthrene

Concen: 0.043 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

Instrument :

BNA_E

ClientSampleId :

PST-001-B197-042519

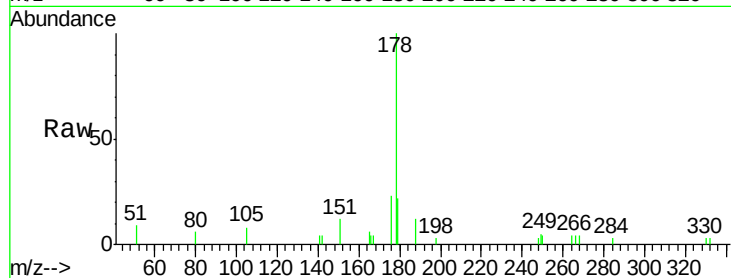
Tgt Ion:178 Resp: 2080

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

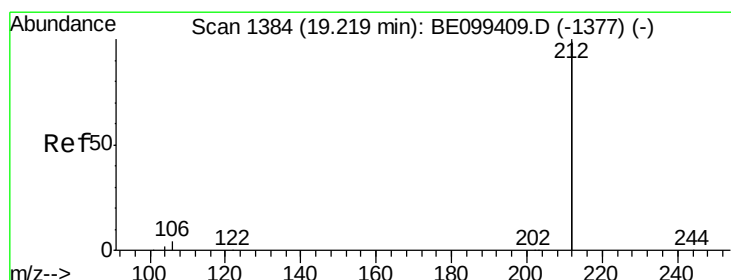
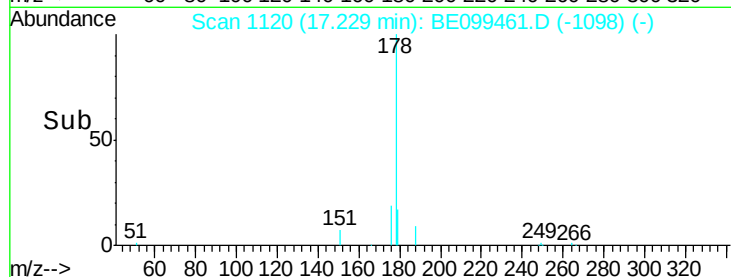
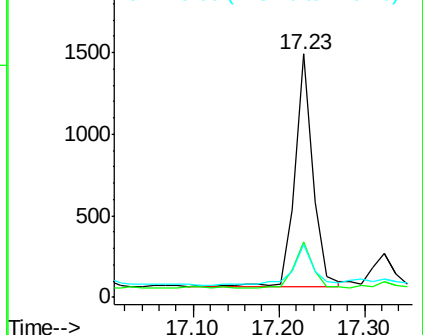
179 20.0 12.0 18.0#



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: 0.336 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

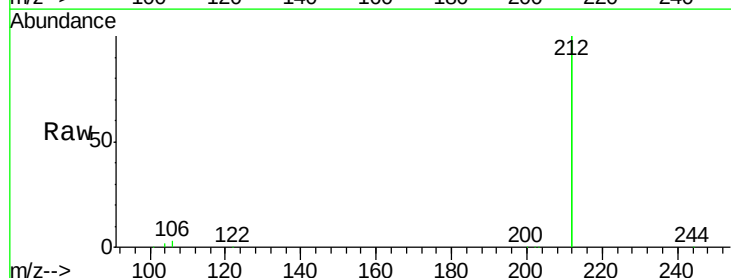
Tgt Ion:212 Resp: 85492

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

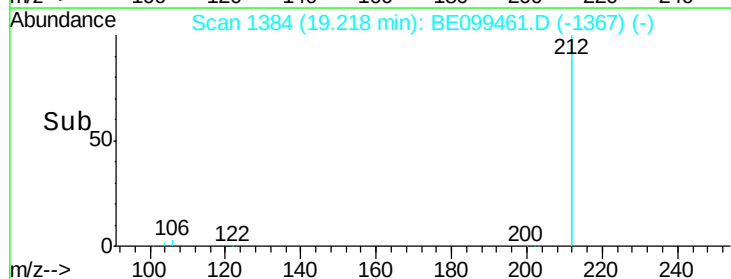
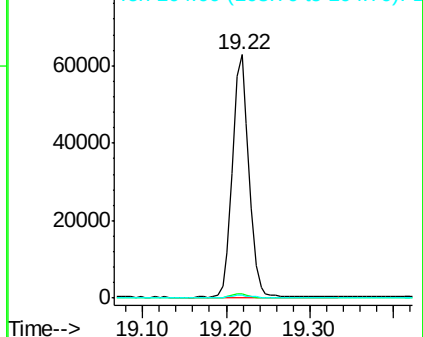
104 1.4 0.9 1.3#

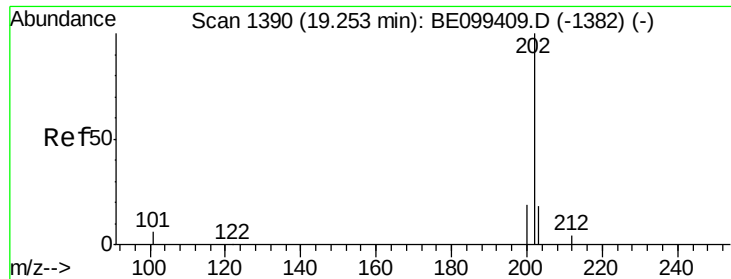


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

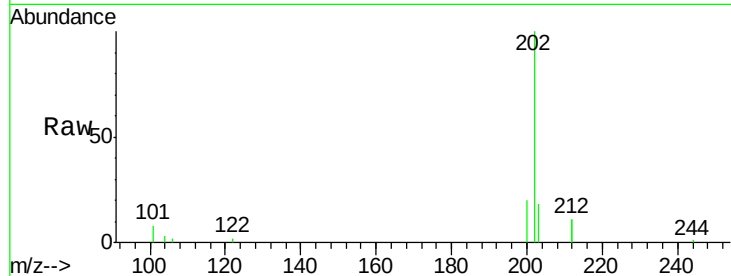




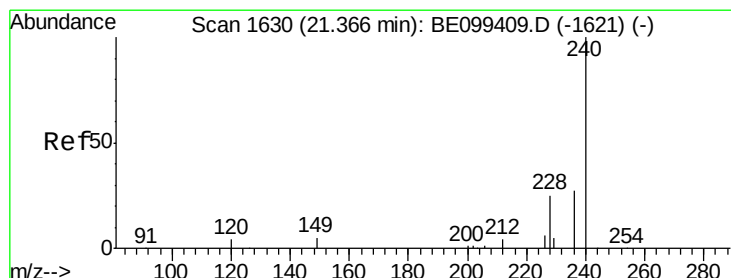
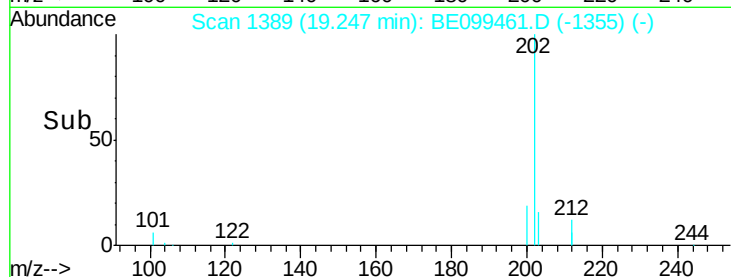
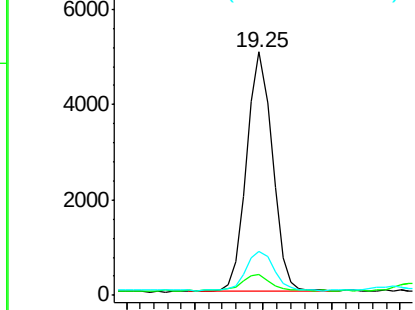
#26
 Fluoranthene
 Concen: 0.090 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B197-042519

Tgt Ion: 202 Resp: 6583
 Ion Ratio Lower Upper
 202 100
 101 7.9 5.4 8.0
 203 17.7 13.9 20.9

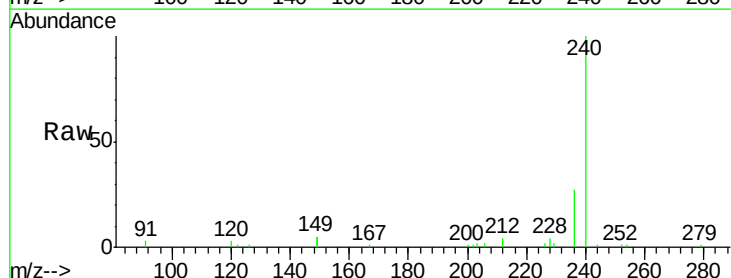


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

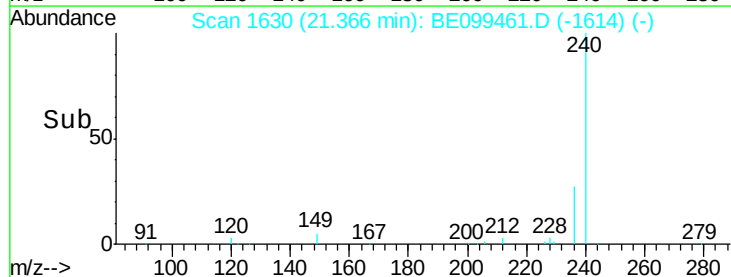
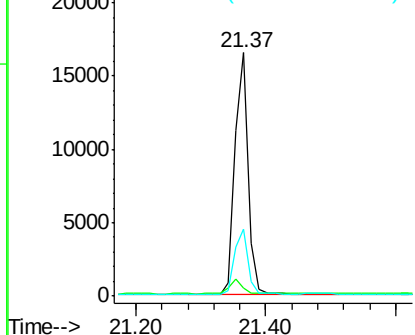


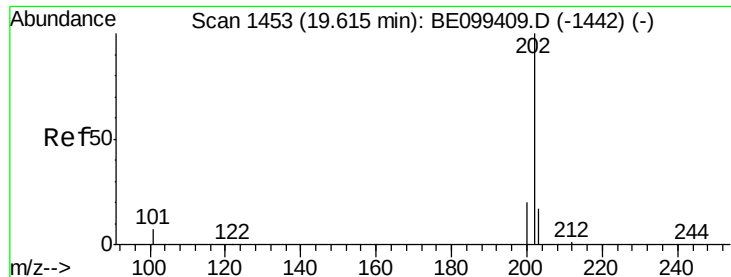
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

Tgt Ion: 240 Resp: 24016
 Ion Ratio Lower Upper
 240 100
 120 3.5 4.0 6.0#
 236 27.3 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

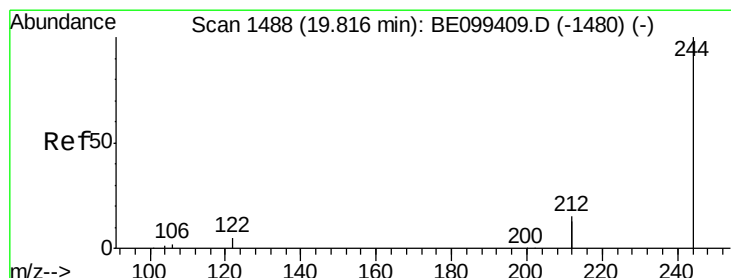
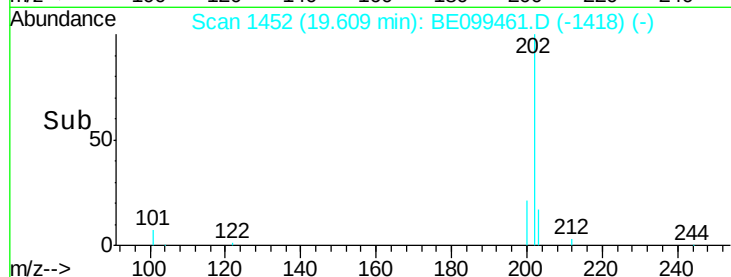
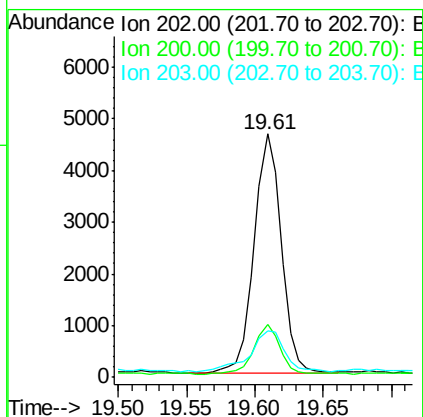
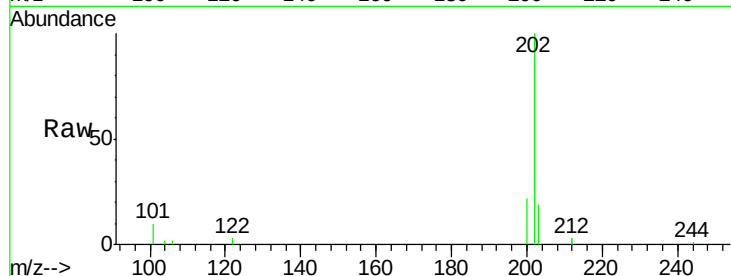




#28
 Pyrene
 Concen: 0.101 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

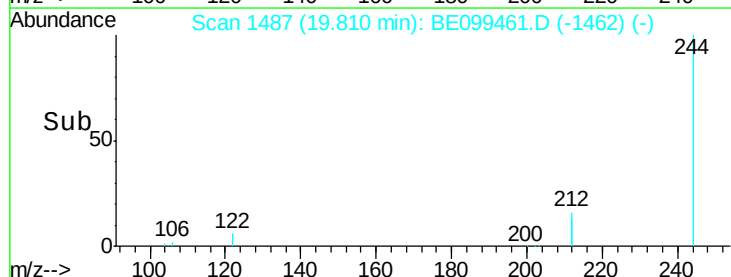
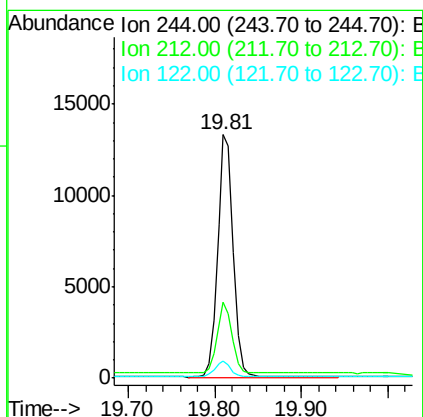
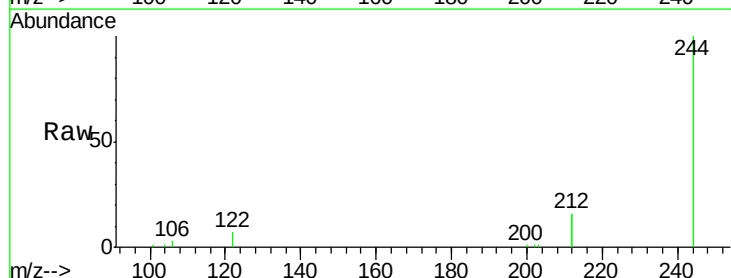
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B197-042519

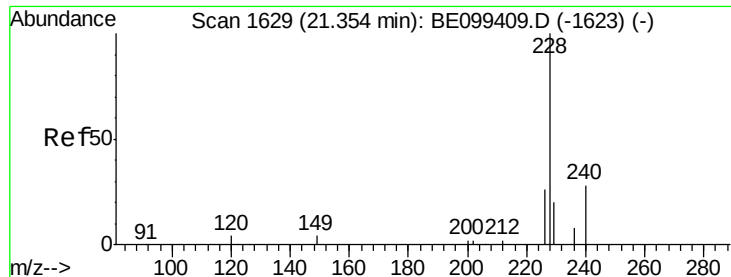
Tgt Ion: 202 Resp: 6328
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.7 23.5
 203 21.4 13.9 20.9#



#29
 Terphenyl-d14
 Concen: 0.382 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

Tgt Ion: 244 Resp: 16821
 Ion Ratio Lower Upper
 244 100
 212 31.1 23.2 34.8
 122 7.0 4.2 6.4#

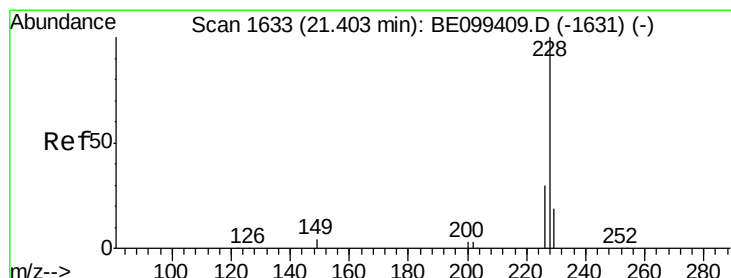
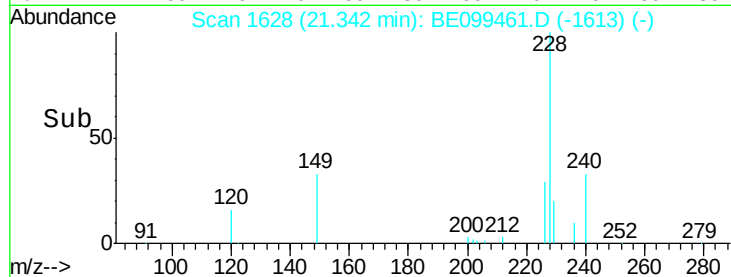
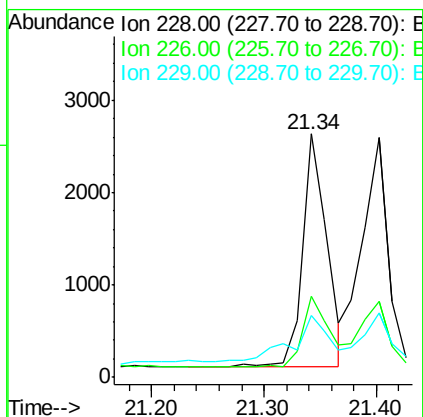
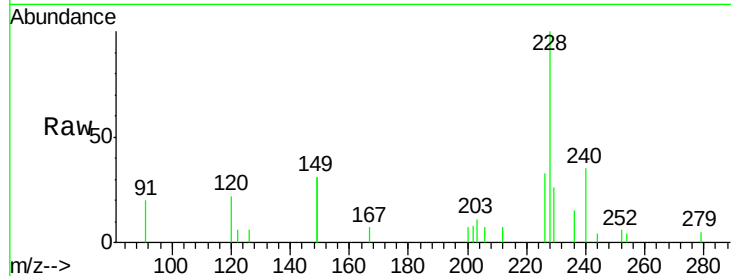




#30
Benzo(a)anthracene
Concen: 0.049 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099461.D
Acq: 1 May 2019 13:16

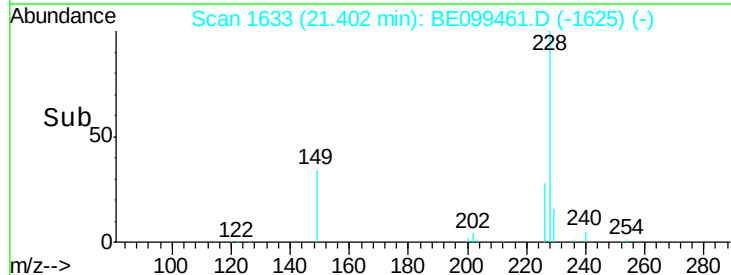
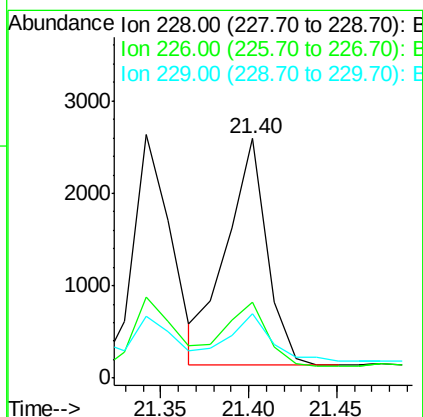
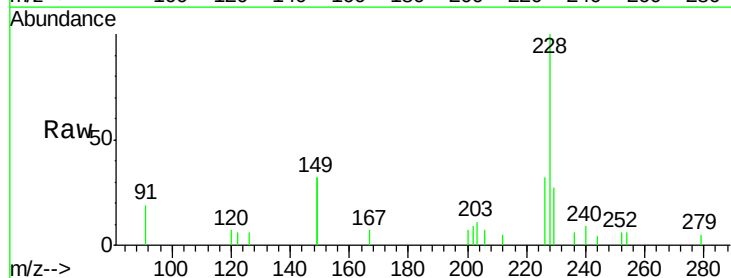
Instrument :
BNA_E
ClientSampleId :
PST-001-B197-042519

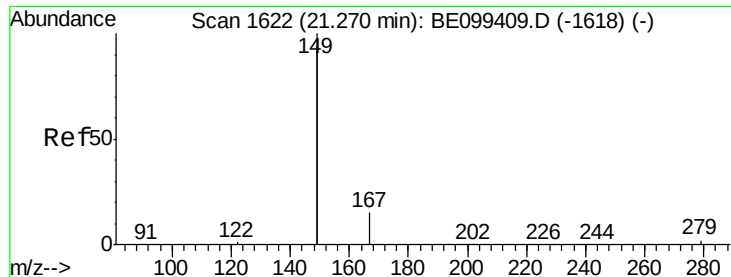
Tgt Ion:228 Resp: 3774
Ion Ratio Lower Upper
228 100
226 33.1 21.0 31.6#
229 25.6 16.6 25.0#



#31
Chrysene
Concen: 0.052 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099461.D
Acq: 1 May 2019 13:16

Tgt Ion:228 Resp: 3904
Ion Ratio Lower Upper
228 100
226 31.6 24.0 36.0
229 27.1 15.8 23.8#

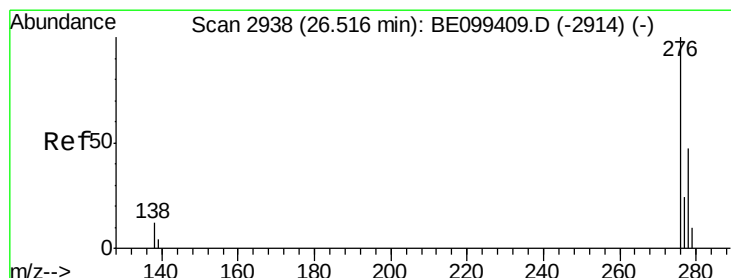
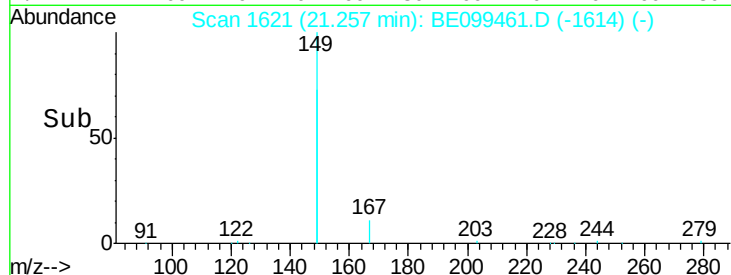
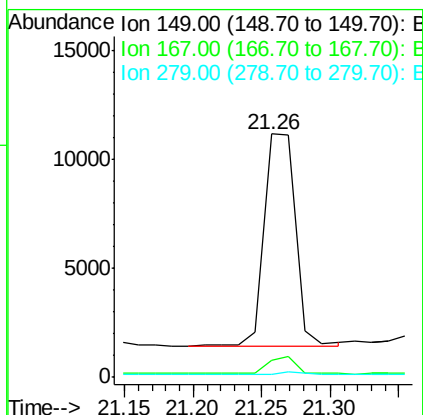
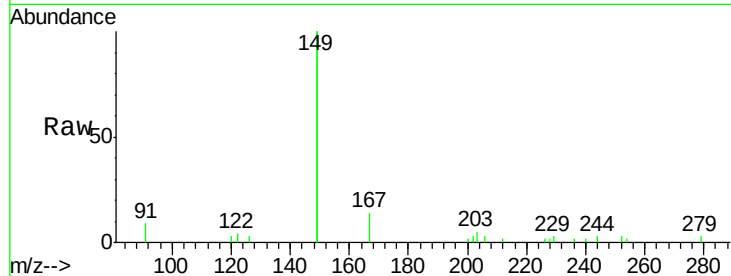




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.071 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

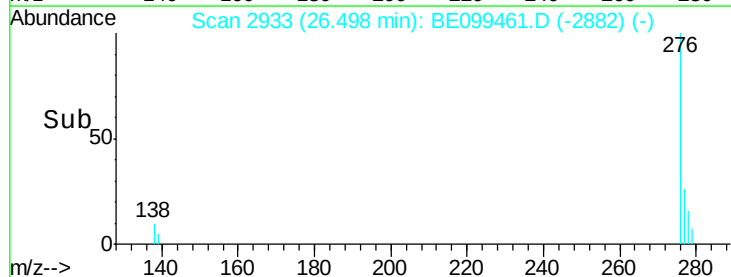
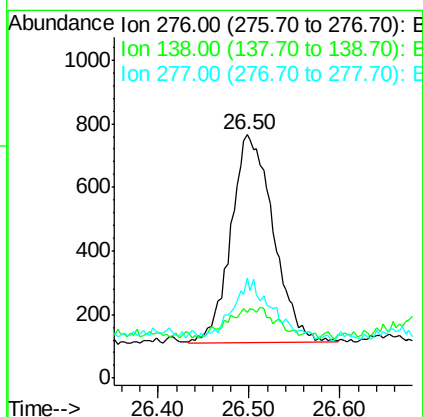
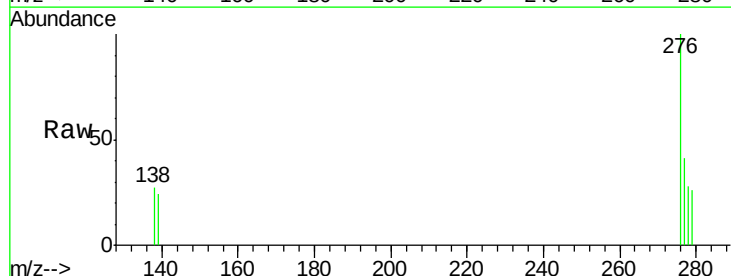
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B197-042519

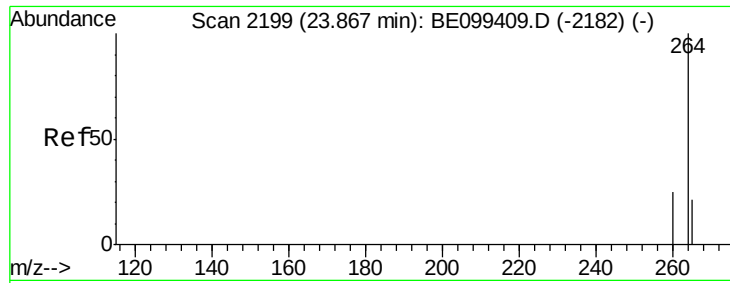
Tgt Ion:149 Resp: 15388
 Ion Ratio Lower Upper
 149 100
 167 7.8 5.8 8.6
 279 2.1 1.0 1.6#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.024 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. -0.02 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

Tgt Ion:276 Resp: 2125
 Ion Ratio Lower Upper
 276 100
 138 6.9 10.2 15.2#
 277 27.0 19.2 28.8

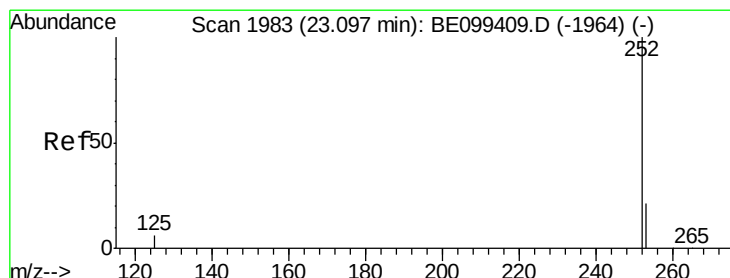
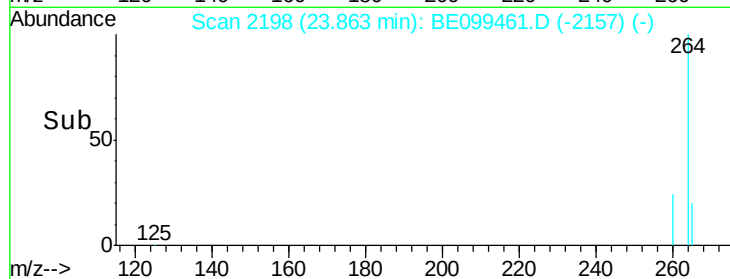
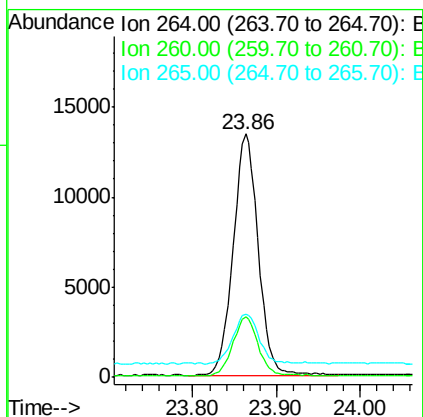
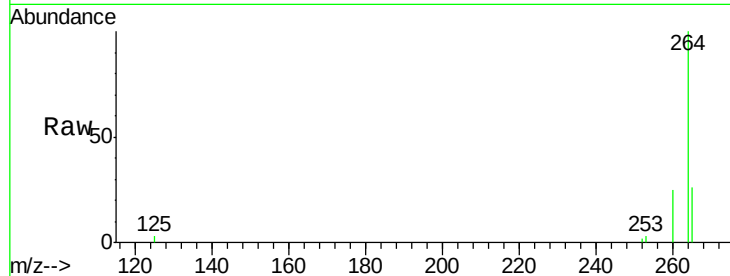




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

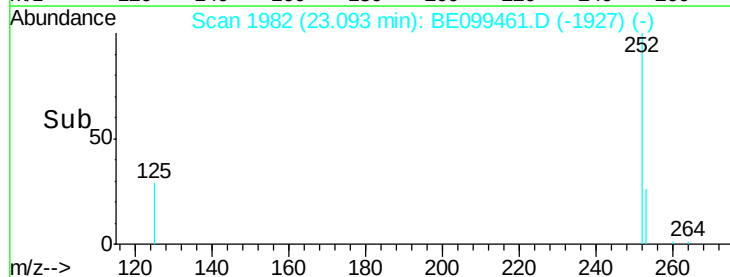
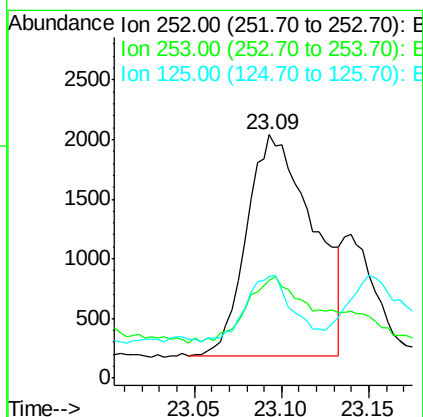
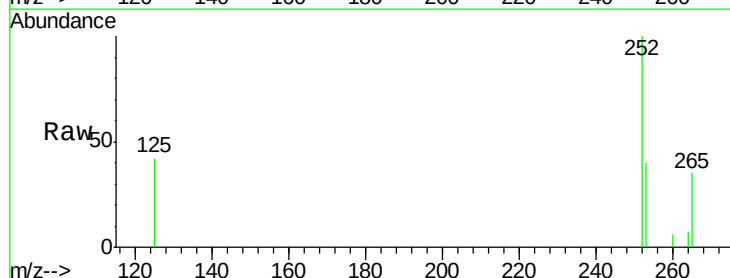
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B197-042519

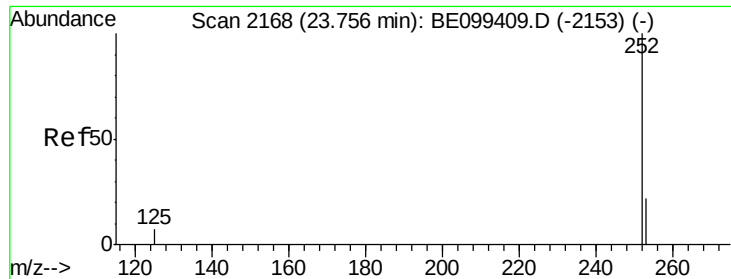
Tgt Ion: 264 Resp: 27666
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.2 30.2
 265 26.0 21.3 31.9



#35
 Benzo(b)fluoranthene
 Concen: 0.061 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099461.D
 Acq: 1 May 2019 13:16

Tgt Ion: 252 Resp: 4893
 Ion Ratio Lower Upper
 252 100
 253 40.2 18.1 27.1#
 125 41.5 5.6 8.4#





#37

Benzo(a)pyrene

Concen: 0.042 ng

RT: 23.75 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

Instrument :

BNA_E

ClientSampleId :

PST-001-B197-042519

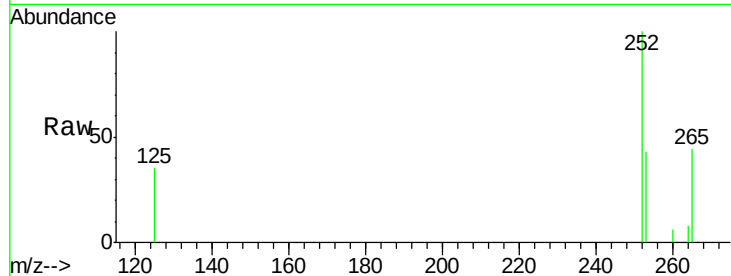
Tgt Ion:252 Resp: 3165

Ion Ratio Lower Upper

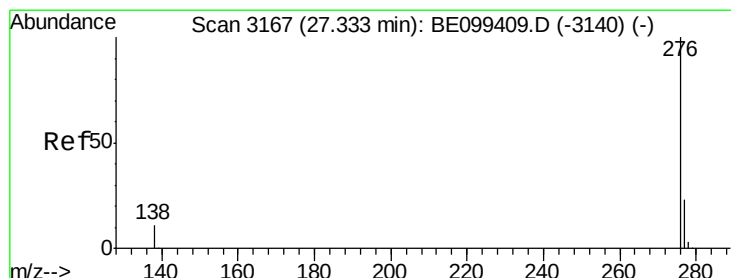
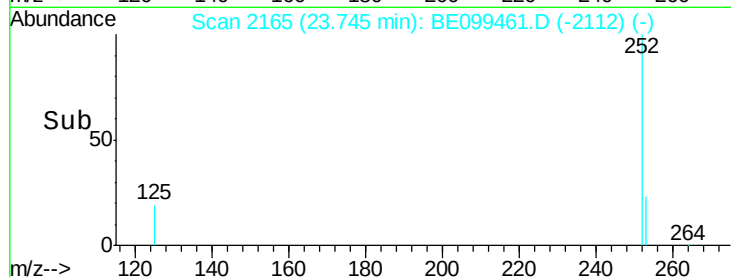
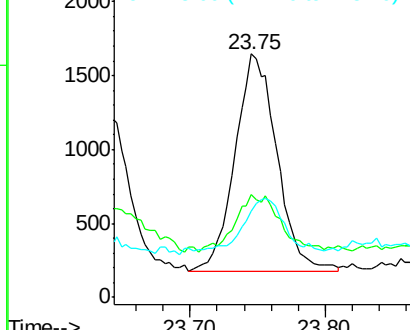
252 100

253 42.5 18.9 28.3#

125 35.4 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: 0.027 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099461.D

Acq: 1 May 2019 13:16

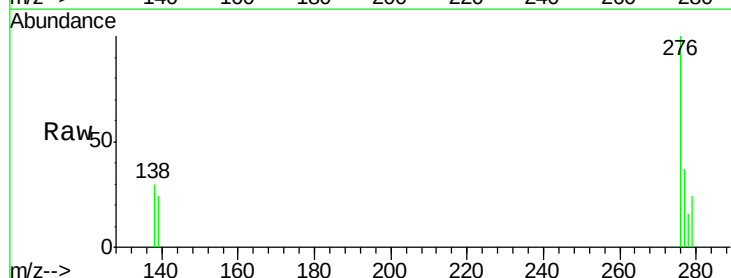
Tgt Ion:276 Resp: 2123

Ion Ratio Lower Upper

276 100

277 36.9 19.5 29.3#

138 29.9 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

