

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099469.D
 Acq On : 1 May 2019 18:21
 Operator : JU/SJ
 Sample : K2588-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B015-042519

Quant Time: May 02 04:14:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2197	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8386	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7098	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	21522	0.40	ng	0.00
27) Chrysene-d12	21.37	240	25605	0.40	ng	0.00
34) Perylene-d12	23.86	264	29324	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2626	0.43	ng	0.00
5) Phenol-d6	6.97	99	3787	0.47	ng	0.00
8) Nitrobenzene-d5	8.96	82	3119	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6044	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1912	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	9115	0.34	ng	-0.02
25) Fluoranthene-d10	19.22	212	97714	0.34	ng	0.00
29) Terphenyl-d14	19.81	244	18401	0.39	ng	0.00

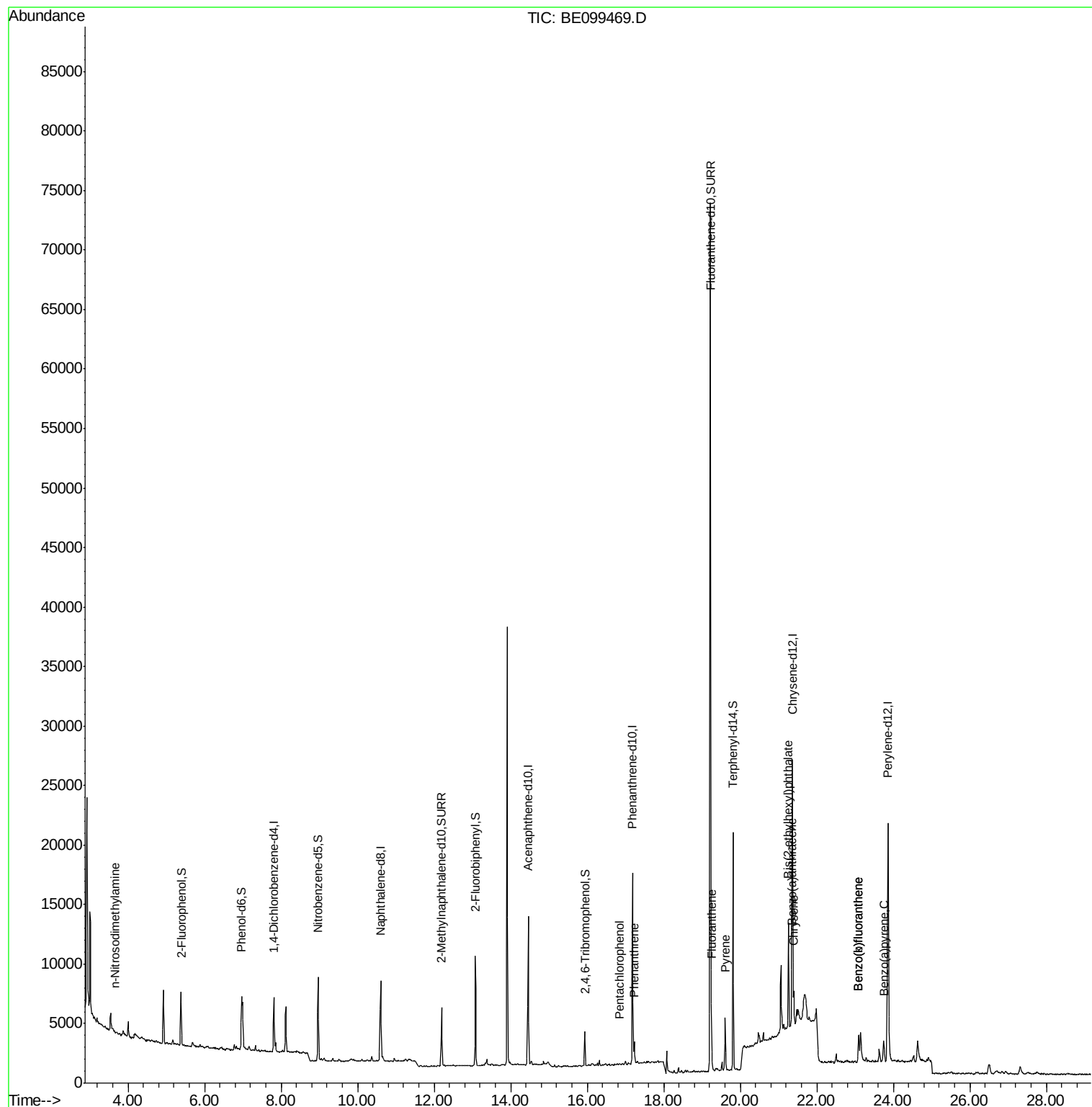
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.67	42	45	0.025	ng	# 1
22) Pentachlorophenol	16.84	266	40	0.222	ng	# 55
23) Phenanthrene	17.23	178	1674	0.030	ng	# 89
26) Fluoranthene	19.25	202	4072	0.049	ng	# 97
28) Pyrene	19.61	202	4174	0.063	ng	# 94
30) Benzo(a)anthracene	21.34	228	2471	0.030	ng	# 88
31) Chrysene	21.40	228	2605	0.033	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.26	149	11238	0.026	ng	# 98
35) Benzo(b)fluoranthene	23.10	252	3172	0.038	ng	# 23
36) Benzo(k)fluoranthene	23.10	252	3172	0.039	ng	# 25
37) Benzo(a)pyrene	23.75	252	2253	0.028	ng	# 24

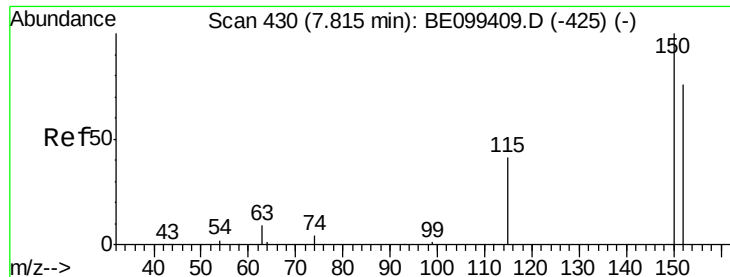
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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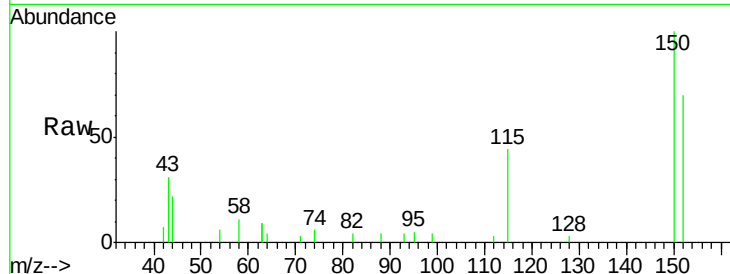


#1

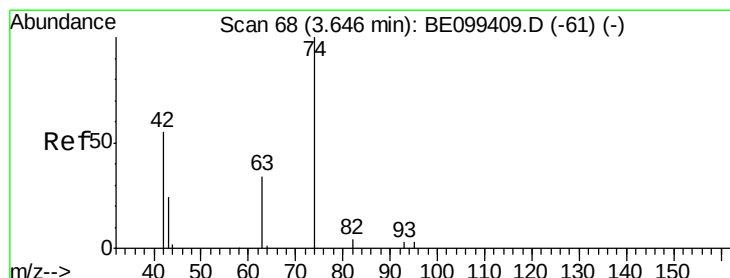
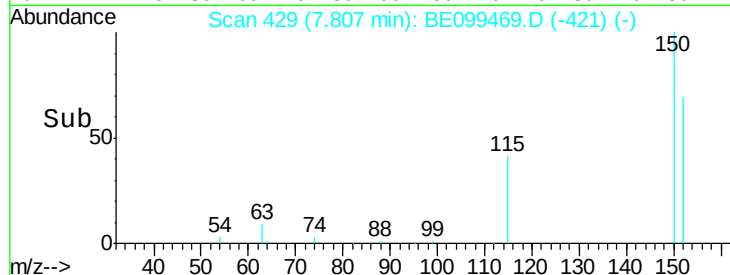
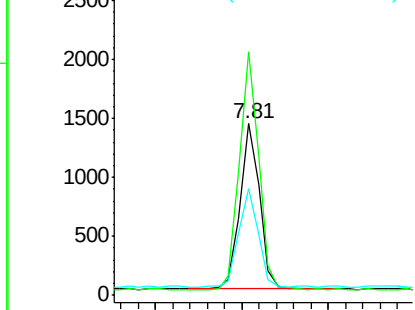
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099469.D
Acq: 1 May 2019 18:21

Instrument :
BNA_E
ClientSampleId :
PST-001-B015-042519

Tot Ion:152 Resp: 2197
Ion Ratio Lower Upper
152 100
150 141.9 104.8 157.2
115 62.3 46.6 69.8



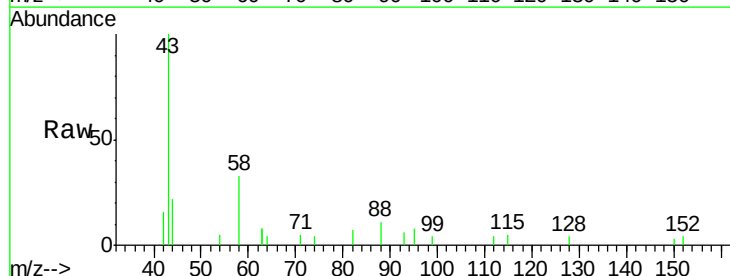
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



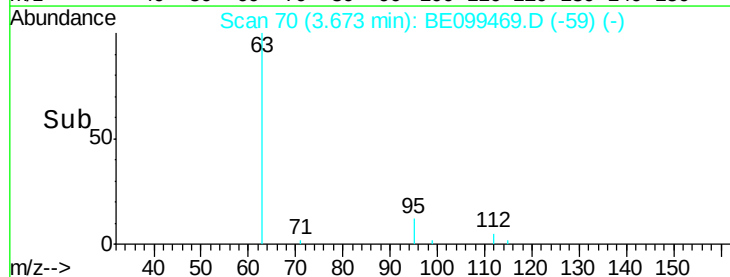
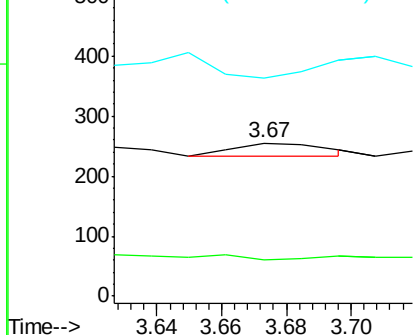
#3

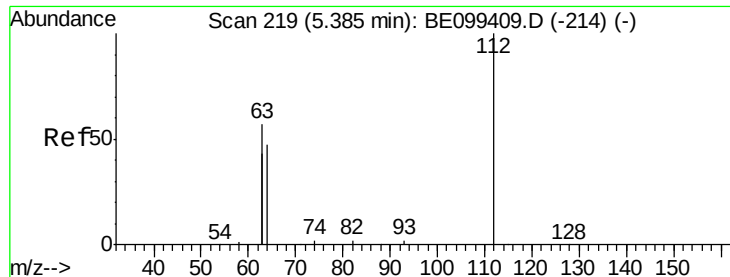
n-Nitrosodimethylamine
Concen: 0.025 ng
RT: 3.67 min Scan# 70
Delta R.T. 0.03 min
Lab File: BE099469.D
Acq: 1 May 2019 18:21

Tgt Ion: 42 Resp: 45
Ion Ratio Lower Upper
42 100
74 0.0 141.6 212.4#
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.432 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

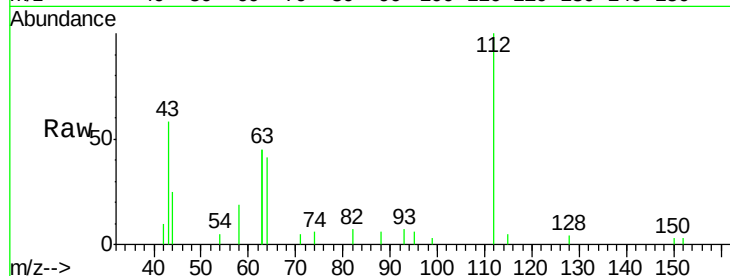
Tot Ion:112 Resp: 2626

Ion Ratio Lower Upper

112 100

64 52.8 47.4 71.0

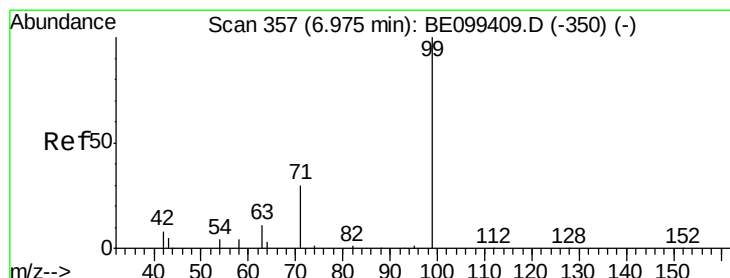
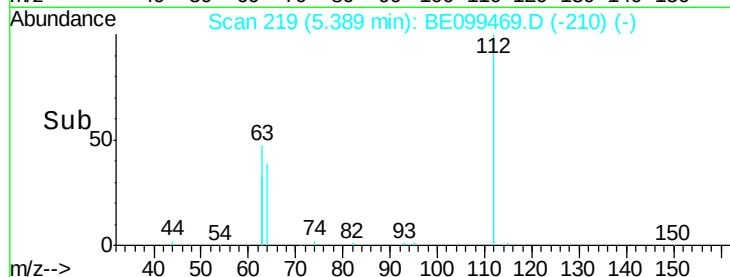
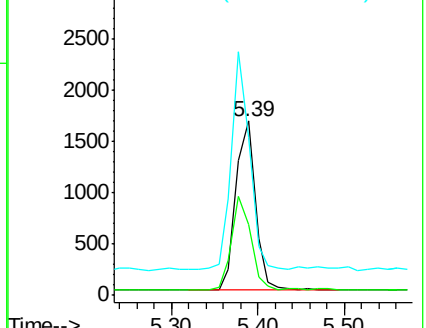
63 117.8 104.3 156.5



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: 0.469 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

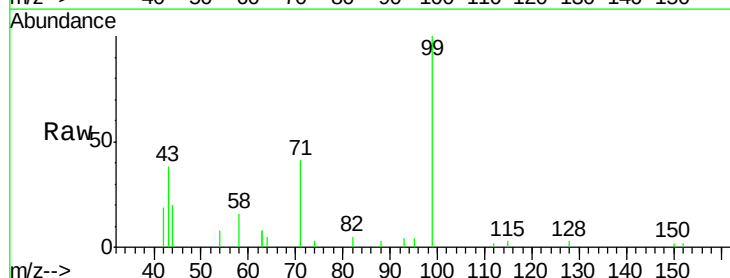
Tgt Ion: 99 Resp: 3787

Ion Ratio Lower Upper

99 100

42 21.2 14.9 22.3

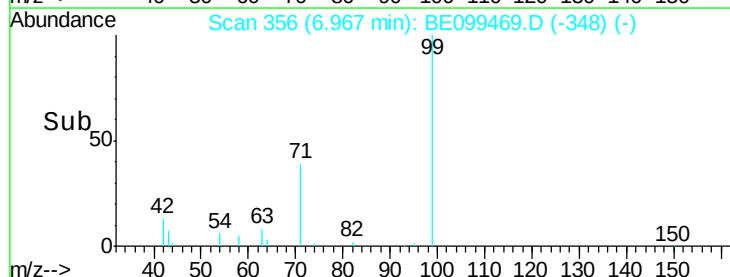
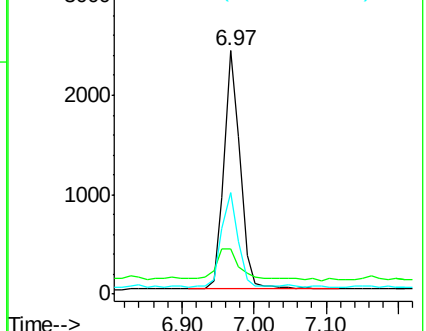
71 39.7 33.0 49.6

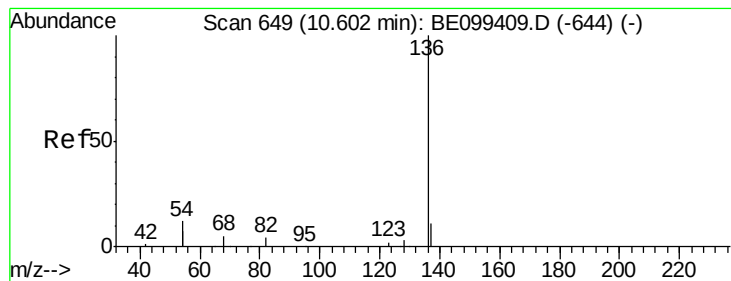


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

Tot Ion:136 Resp: 8386

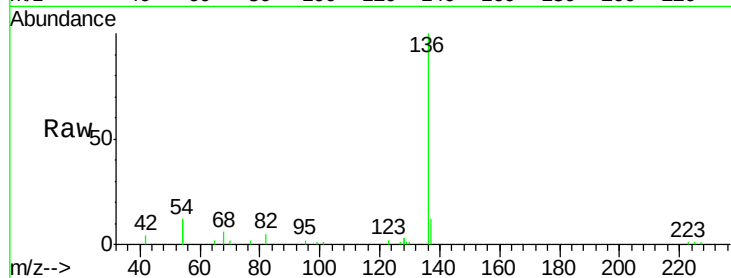
Ion Ratio Lower Upper

136 100

137 11.5 9.8 14.8

54 23.1 18.5 27.7

68 6.3 4.7 7.1

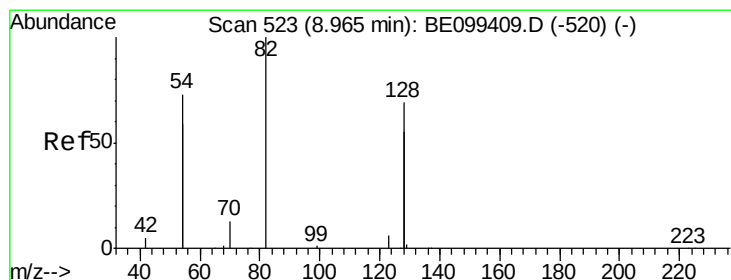
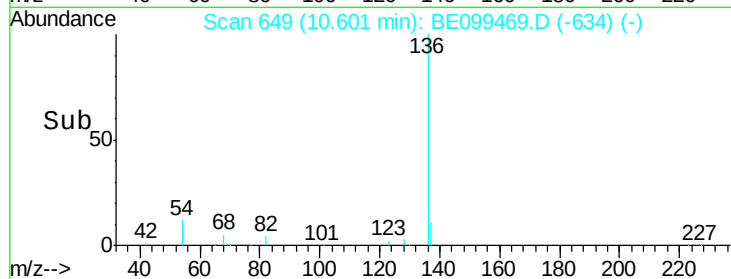
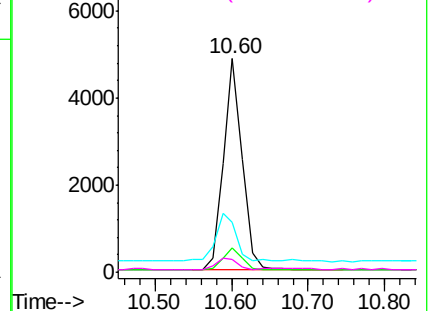


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.397 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

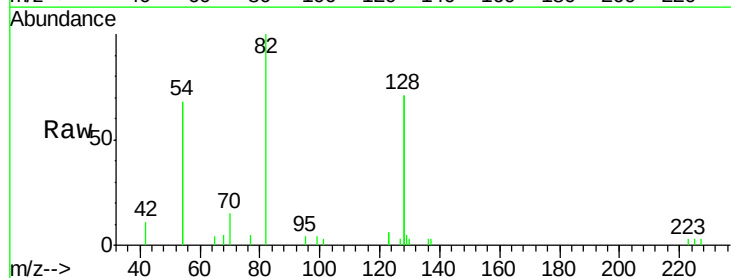
Tgt Ion: 82 Resp: 3119

Ion Ratio Lower Upper

82 100

128 142.9 107.0 160.4

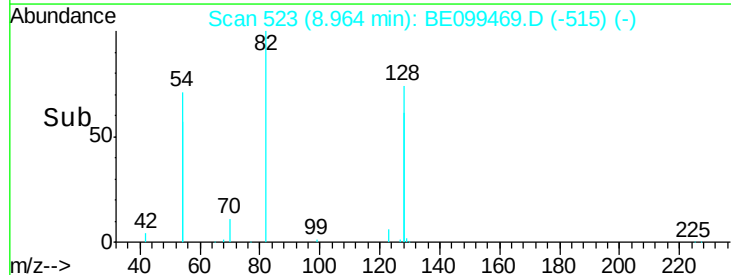
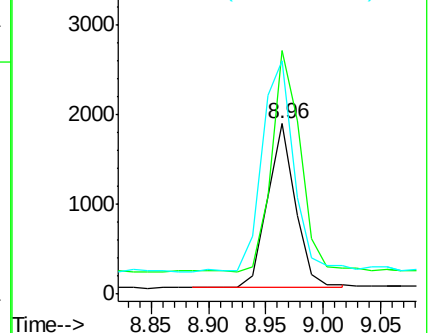
54 136.8 113.1 169.7

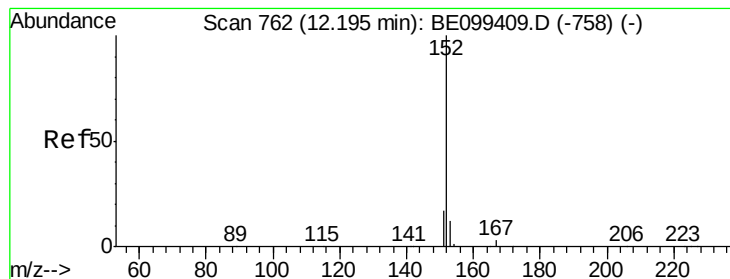


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

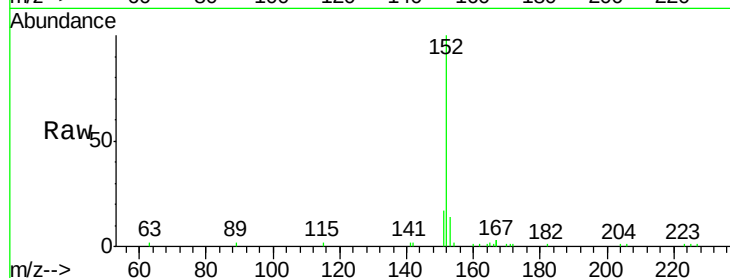
PST-001-B015-042519

Tot Ion:152 Resp: 6044

Ion Ratio Lower Upper

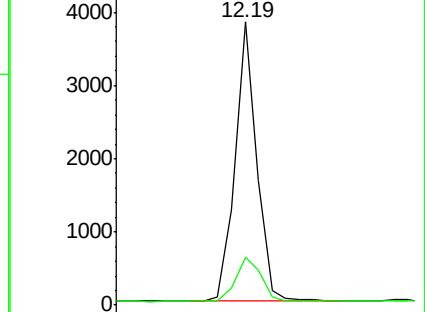
152 100

151 18.9 15.5 23.3

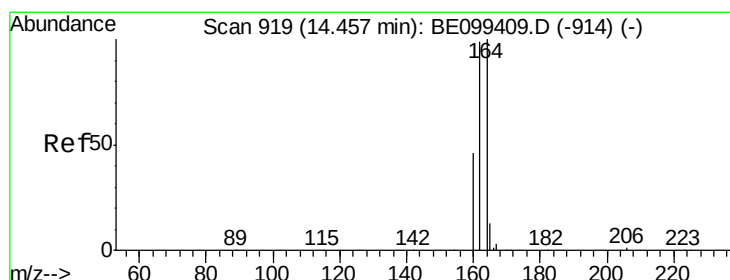
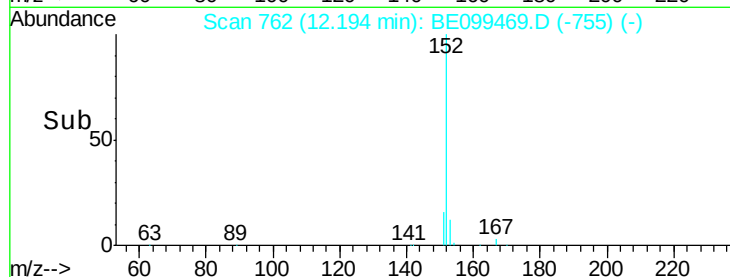


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

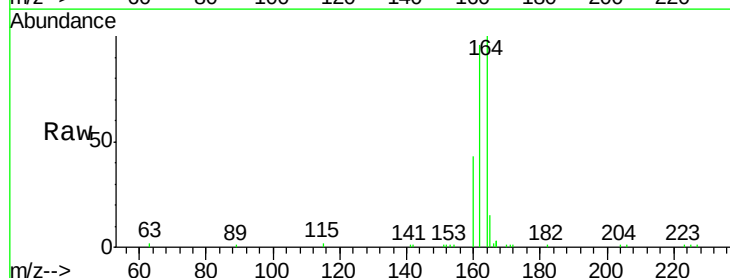
Tgt Ion:164 Resp: 7098

Ion Ratio Lower Upper

164 100

162 95.9 79.0 118.4

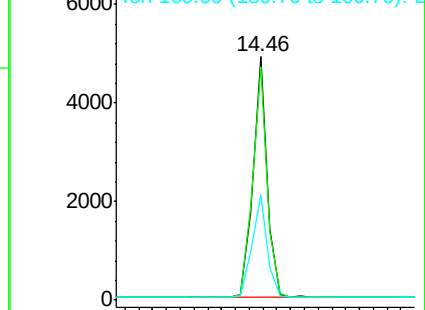
160 43.3 37.0 55.4



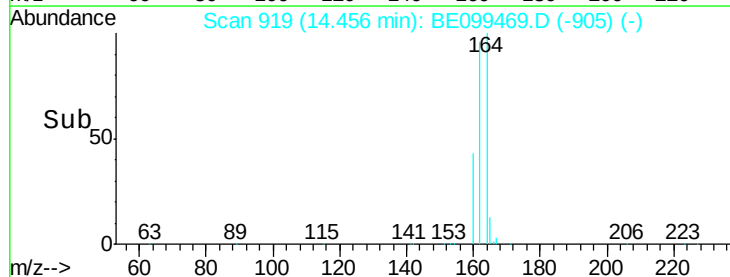
Abundance Ion 164.00 (163.70 to 164.70): E

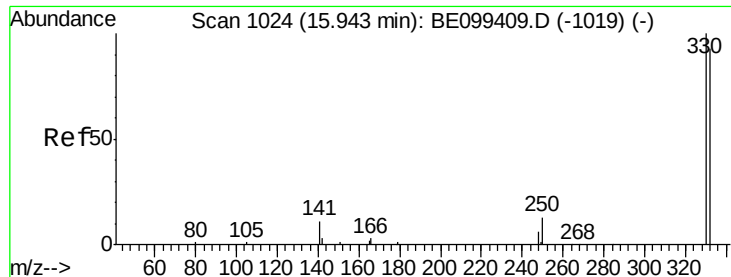
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

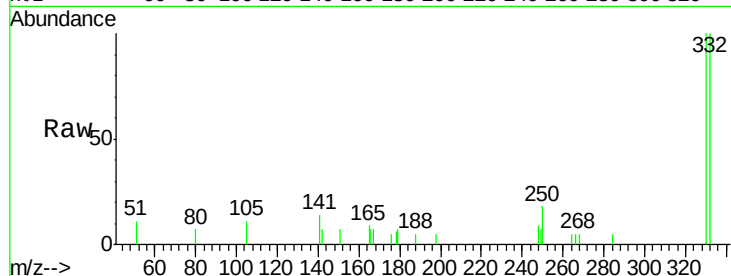




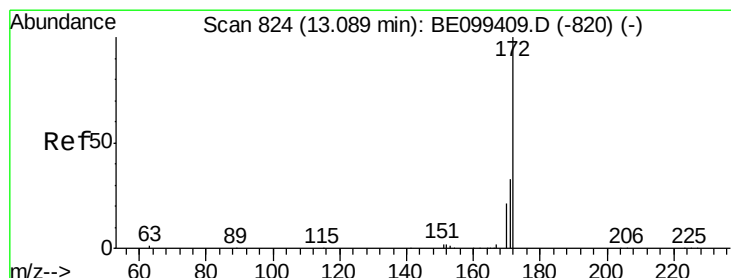
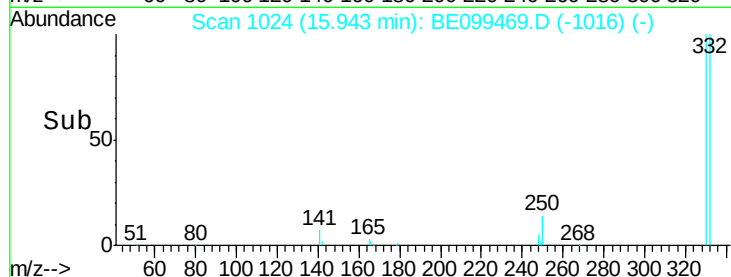
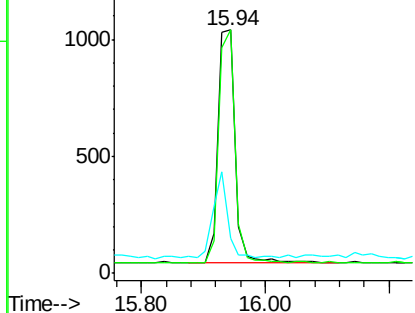
#14
 2,4,6-Tribromophenol
 Concen: 0.428 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B015-042519

Tot Ion:330 Resp: 1912
 Ion Ratio Lower Upper
 330 100
 332 94.8 71.5 107.3
 141 29.4 24.0 36.0

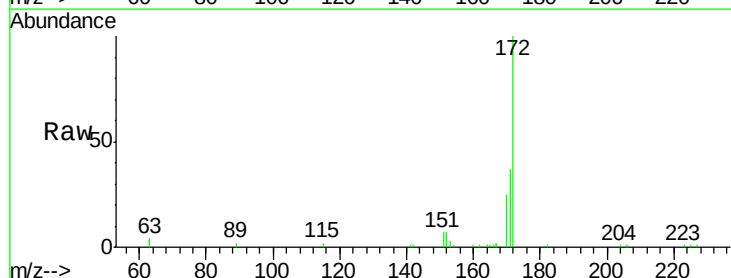


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

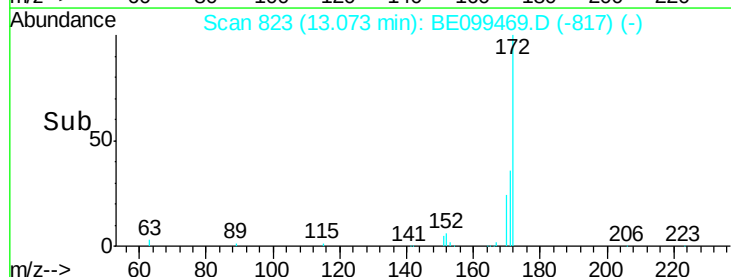
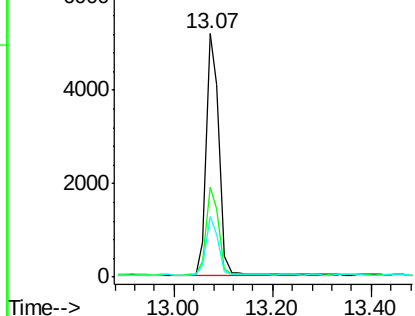


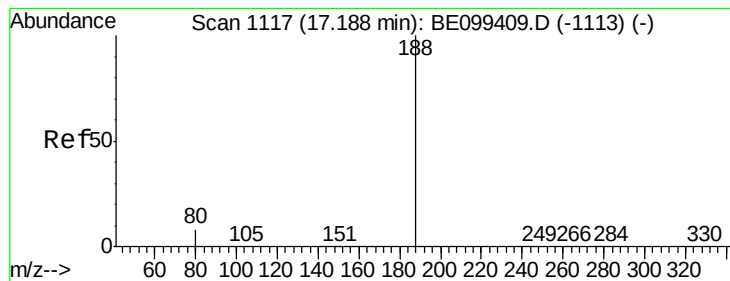
#15
 2-Fluorobiphenyl
 Concen: 0.337 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

Tgt Ion:172 Resp: 9115
 Ion Ratio Lower Upper
 172 100
 171 37.2 26.6 39.8
 170 24.8 17.0 25.6



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: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

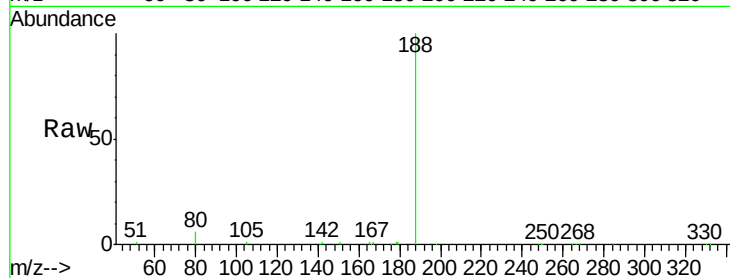
Tot Ion:188 Resp: 21522

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

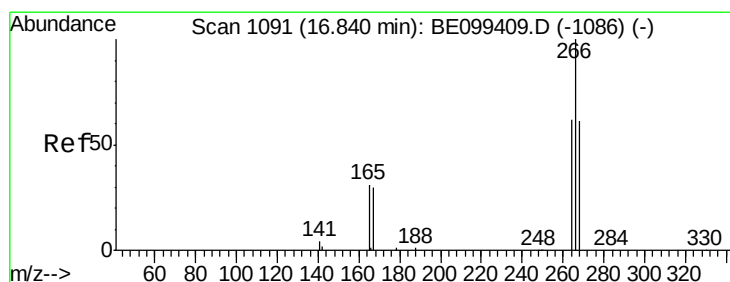
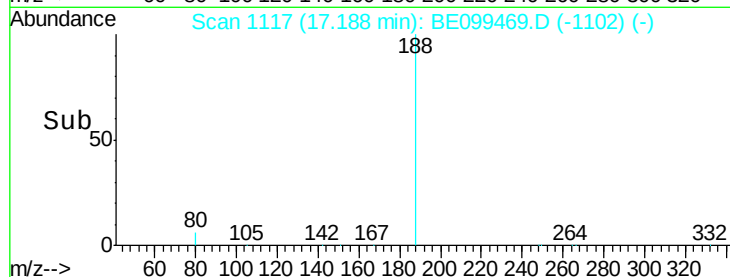
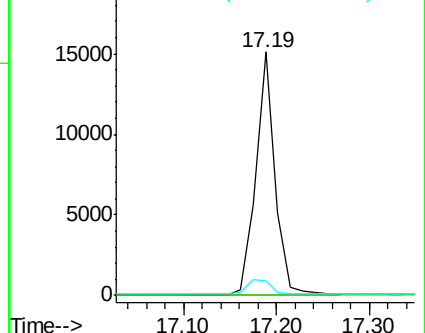
80 6.2 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.222 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

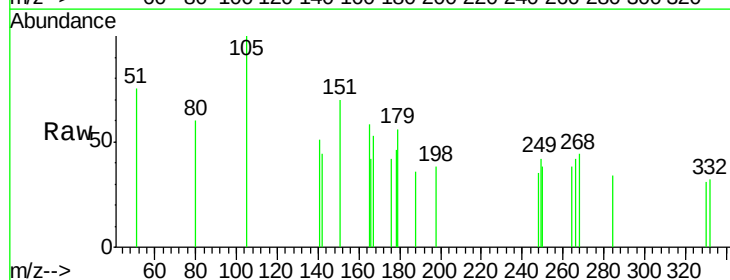
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

264 91.8 50.8 76.2#

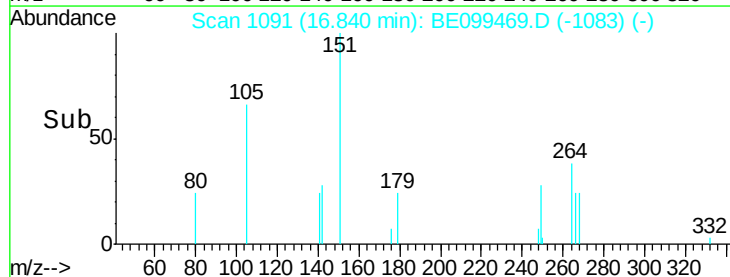
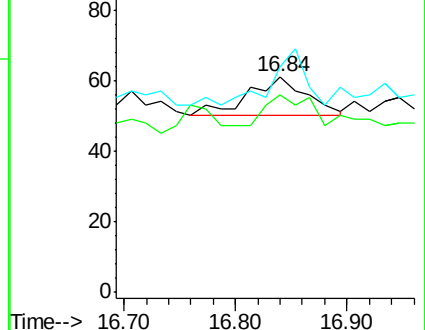
268 104.9 50.5 75.7#

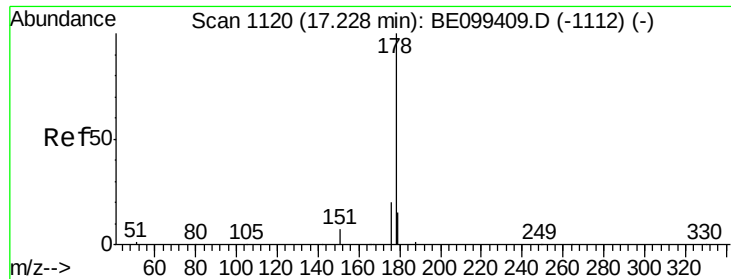


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.030 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

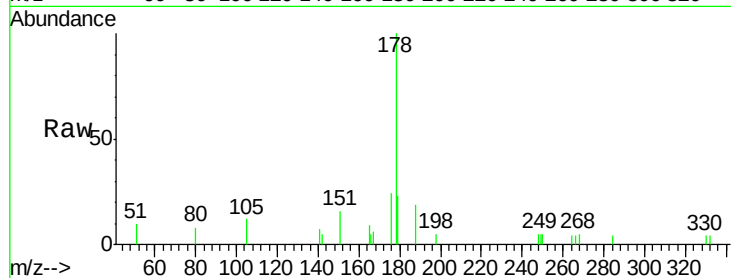
Tot Ion:178 Resp: 1674

Ion Ratio Lower Upper

178 100

176 21.4 15.6 23.4

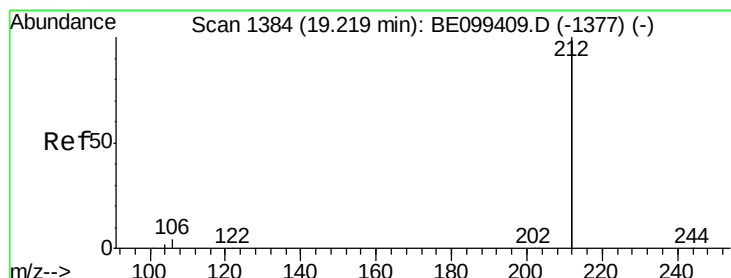
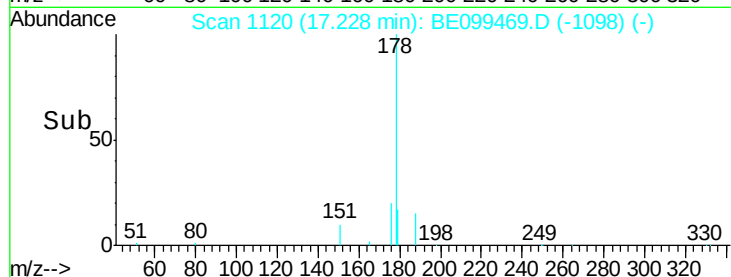
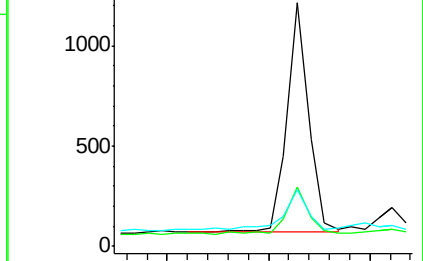
179 23.0 12.0 18.0#



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: 0.337 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

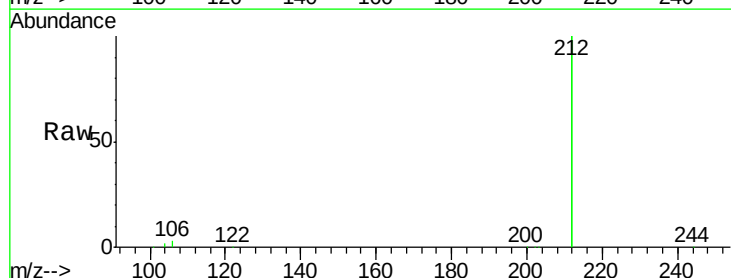
Tgt Ion:212 Resp: 97714

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

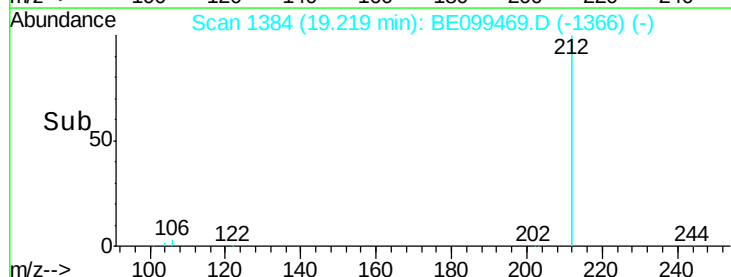
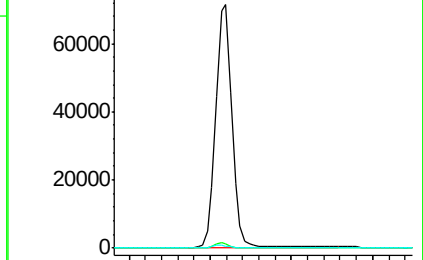
104 1.1 0.9 1.3

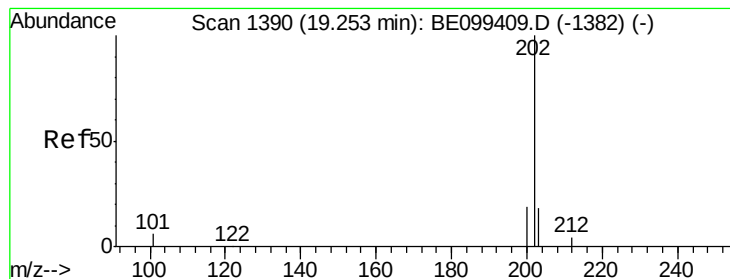


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.049 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

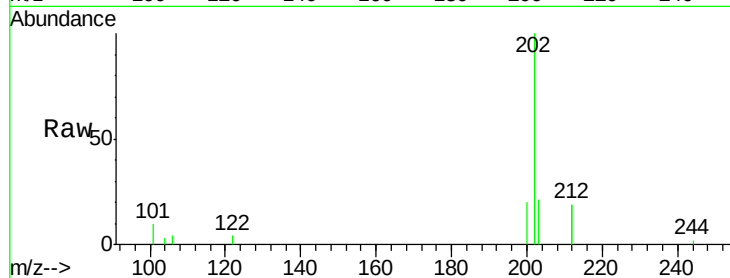
Tot Ion:202 Resp: 4072

Ion Ratio Lower Upper

202 100

101 10.5 5.4 8.0#

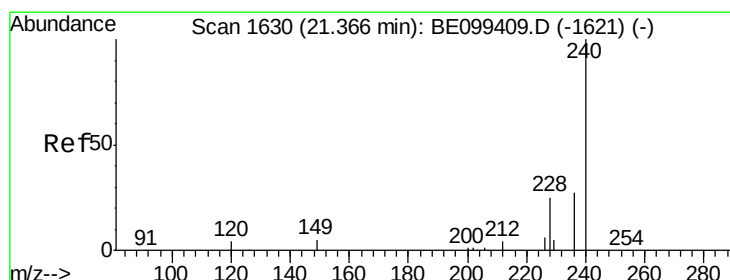
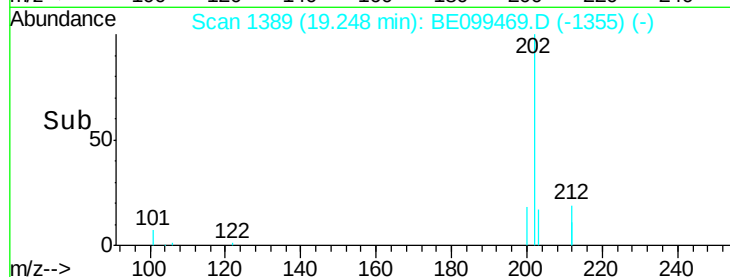
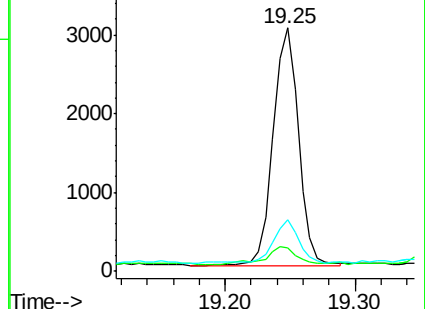
203 17.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

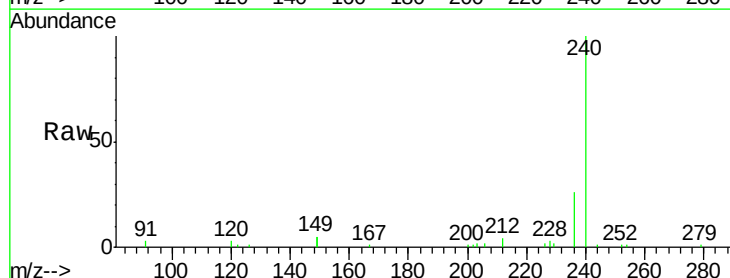
Tgt Ion:240 Resp: 25605

Ion Ratio Lower Upper

240 100

120 3.4 4.0 6.0#

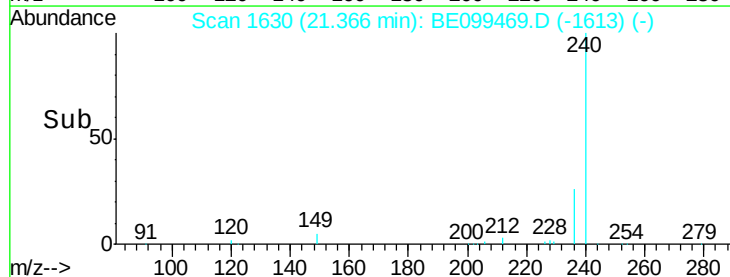
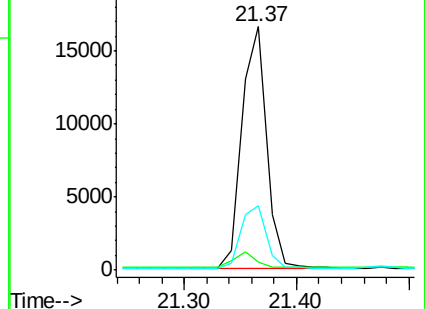
236 26.3 22.0 33.0

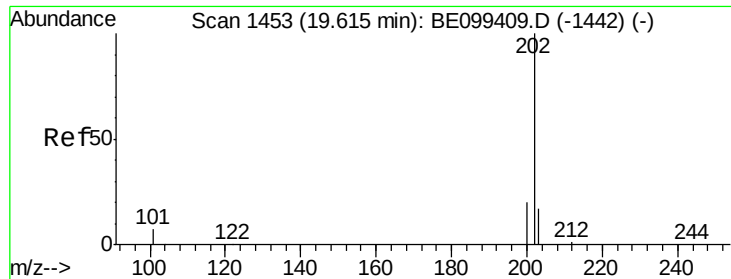


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.063 ng

RT: 19.61 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

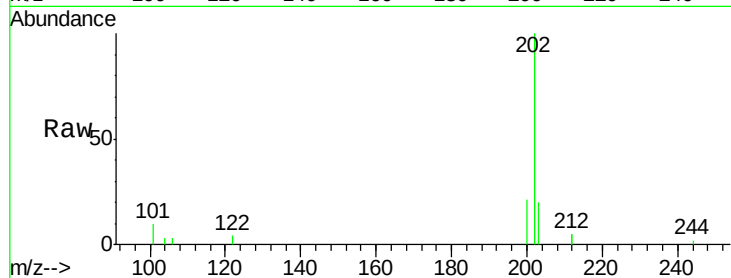
Tot Ion:202 Resp: 4174

Ion Ratio Lower Upper

202 100

200 20.4 15.7 23.5

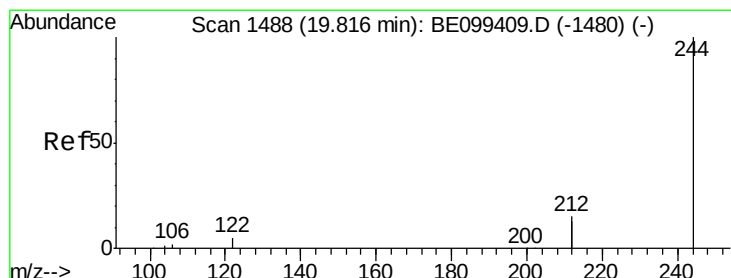
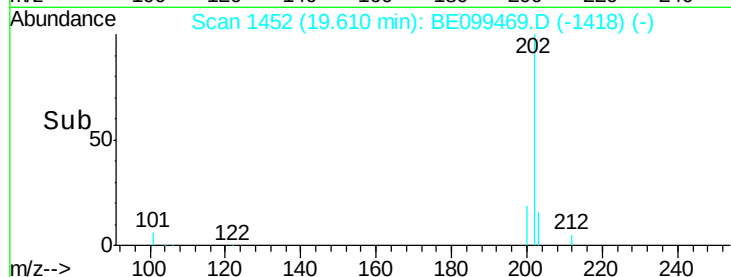
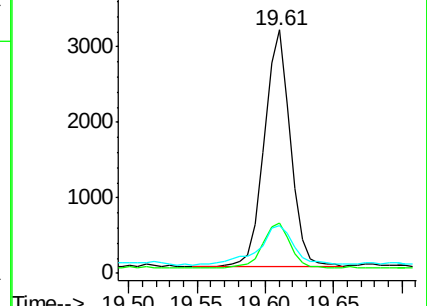
203 22.6 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.392 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

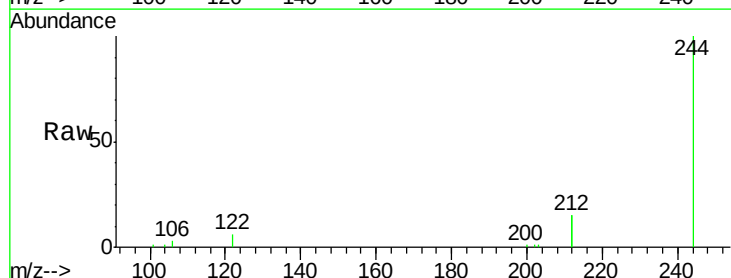
Tgt Ion:244 Resp: 18401

Ion Ratio Lower Upper

244 100

212 29.7 23.2 34.8

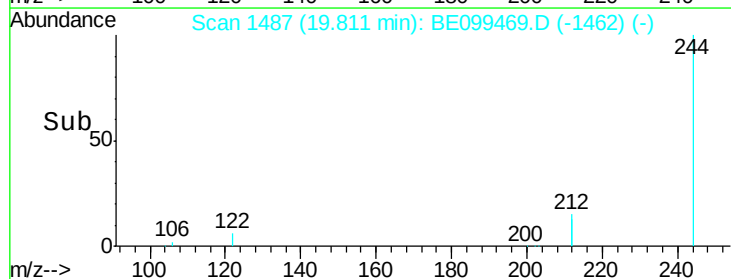
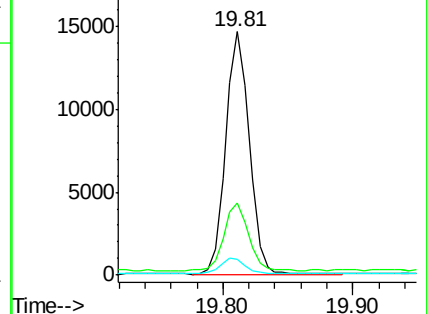
122 6.2 4.2 6.4

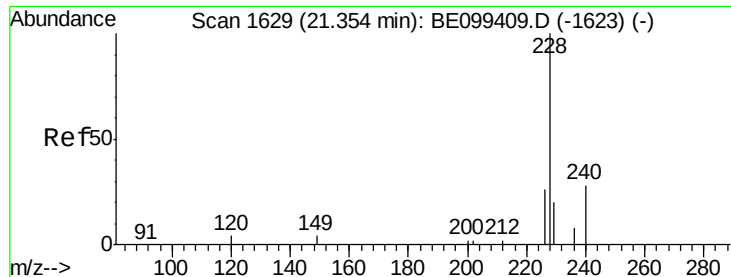


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

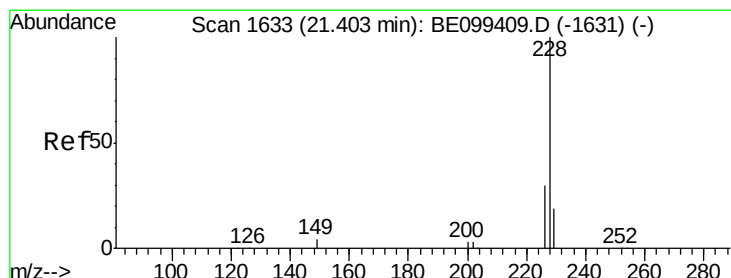
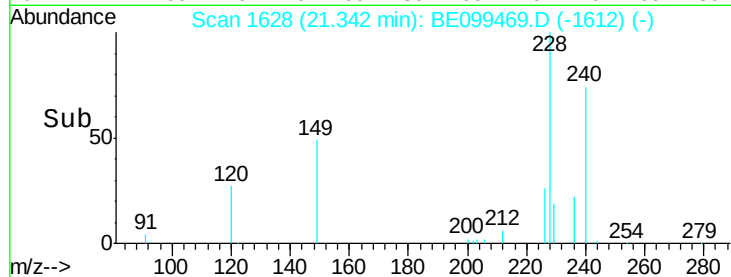
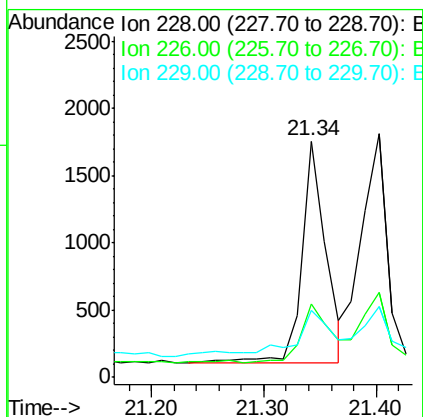
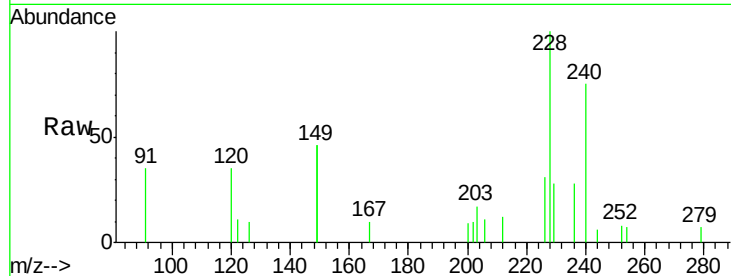




#30
Benzo(a)anthracene
Concen: 0.030 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099469.D
Acq: 1 May 2019 18:21

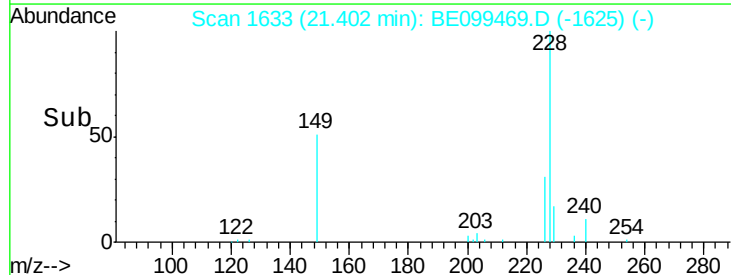
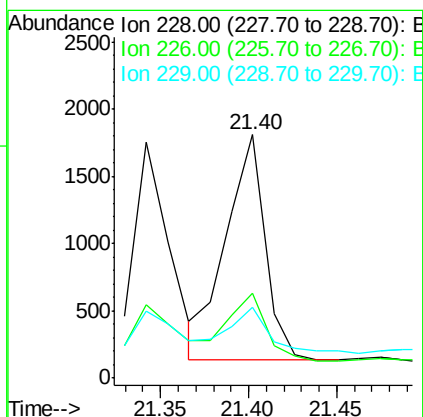
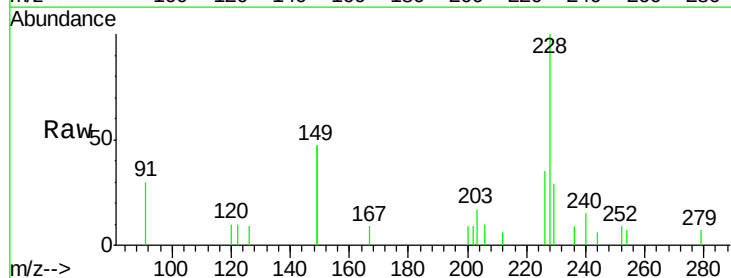
Instrument :
BNA_E
ClientSampleId :
PST-001-B015-042519

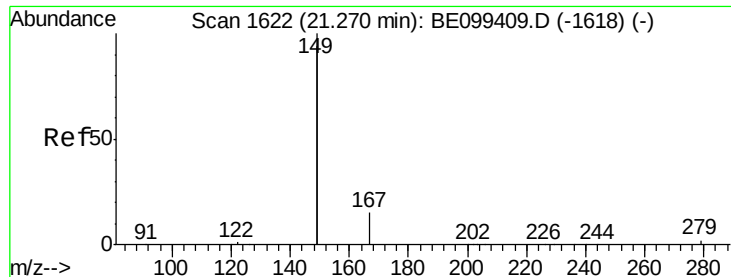
Tot Ion:228 Resp: 2471
Ion Ratio Lower Upper
228 100
226 31.1 21.0 31.6
229 28.2 16.6 25.0#



#31
Chrysene
Concen: 0.033 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099469.D
Acq: 1 May 2019 18:21

Tgt Ion:228 Resp: 2605
Ion Ratio Lower Upper
228 100
226 35.1 24.0 36.0
229 29.0 15.8 23.8#

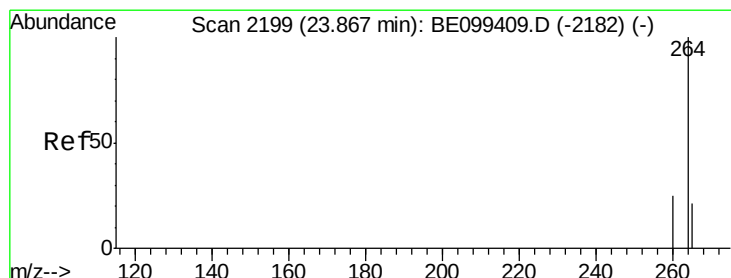
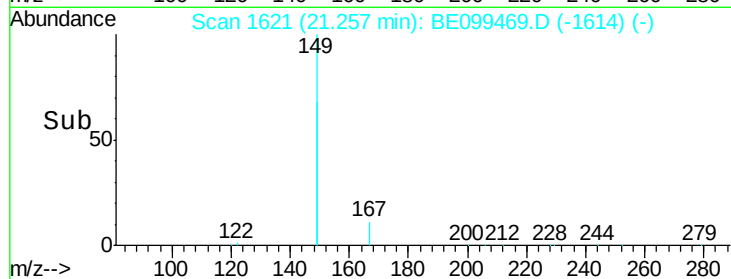
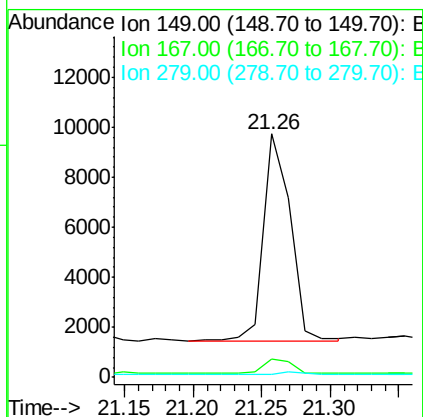
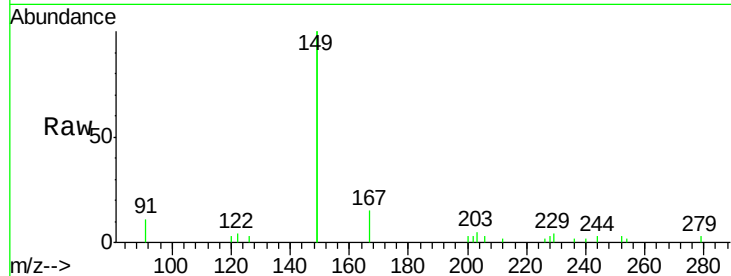




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.026 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

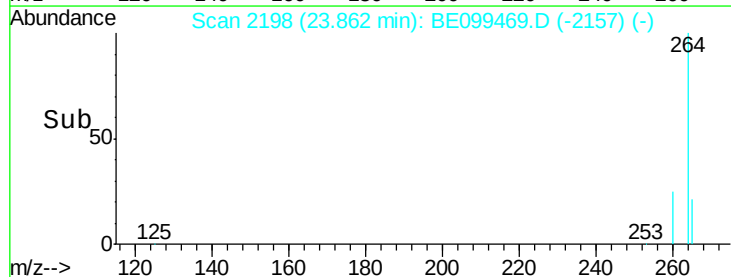
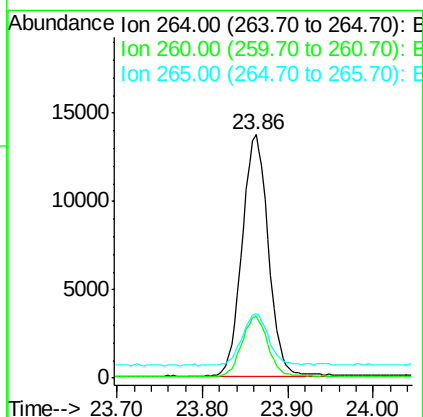
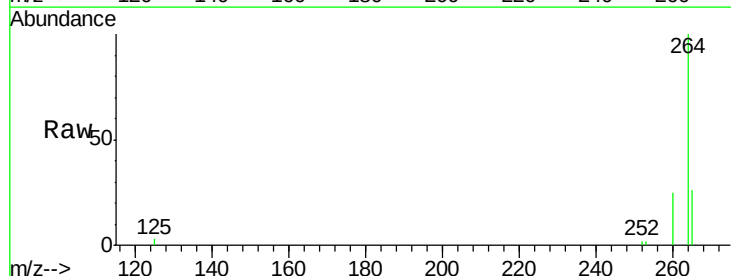
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B015-042519

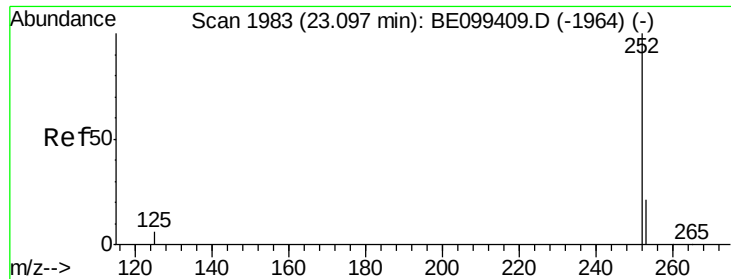
Tot Ion:149 Resp: 11238
 Ion Ratio Lower Upper
 149 100
 167 7.9 5.8 8.6
 279 2.4 1.0 1.6#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

Tgt Ion:264 Resp: 29324
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.2 30.2
 265 26.3 21.3 31.9





#35

Benzo(b)fluoranthene

Concen: 0.038 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

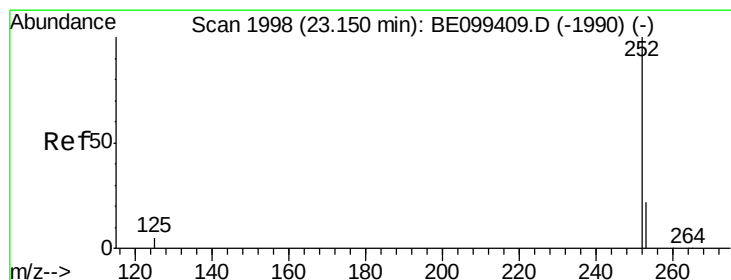
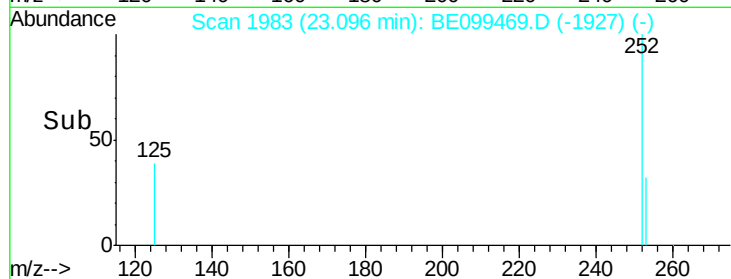
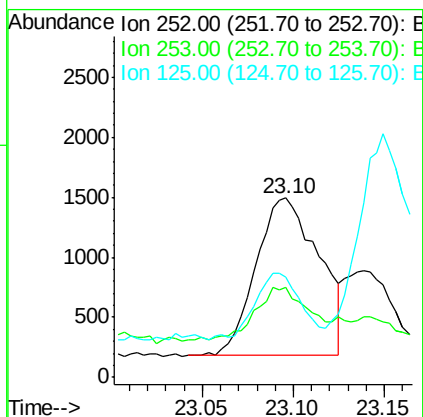
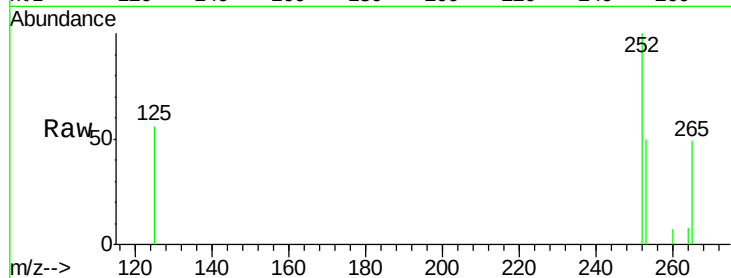
Tot Ion:252 Resp: 3172

Ion Ratio Lower Upper

252 100

253 50.0 18.1 27.1#

125 55.9 5.6 8.4#



#36

Benzo(k)fluoranthene

Concen: 0.039 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.05 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

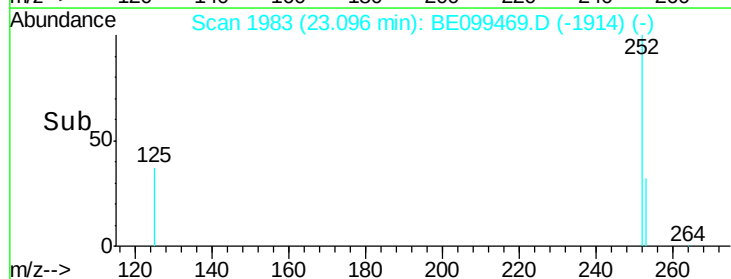
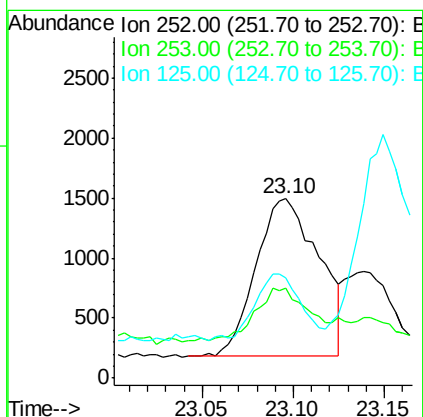
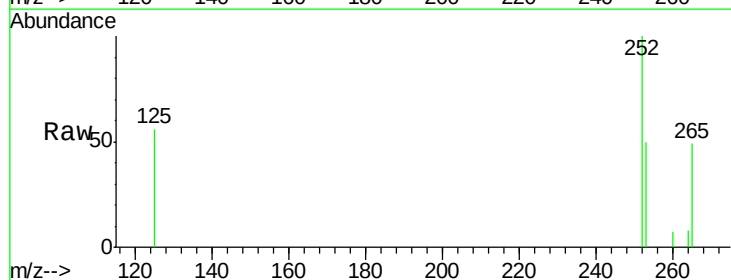
Tgt Ion:252 Resp: 3172

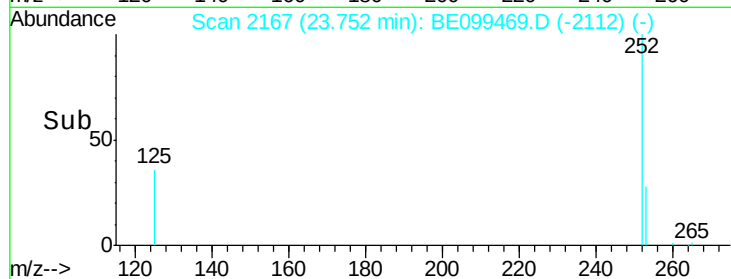
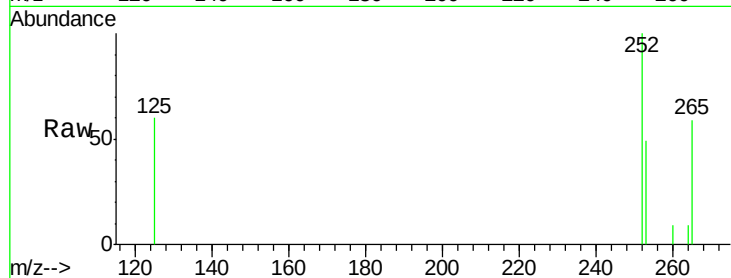
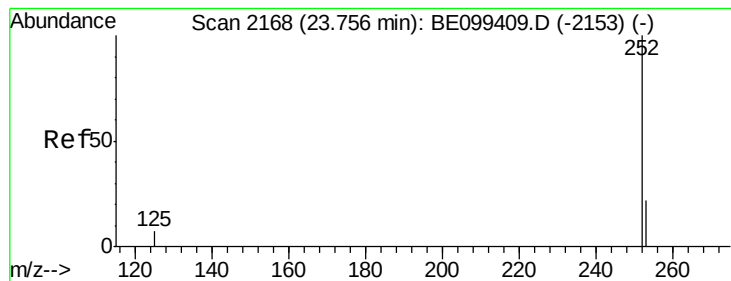
Ion Ratio Lower Upper

252 100

253 50.0 18.4 27.6#

125 55.9 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.028 ng

RT: 23.75 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BE099469.D

Acq: 1 May 2019 18:21

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

Tot Ion: 252 Resp: 2253

Ion Ratio Lower Upper

252 100

253 49.1 18.9 28.3#

125 59.6 6.7 10.1#

