

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 08:23:45 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

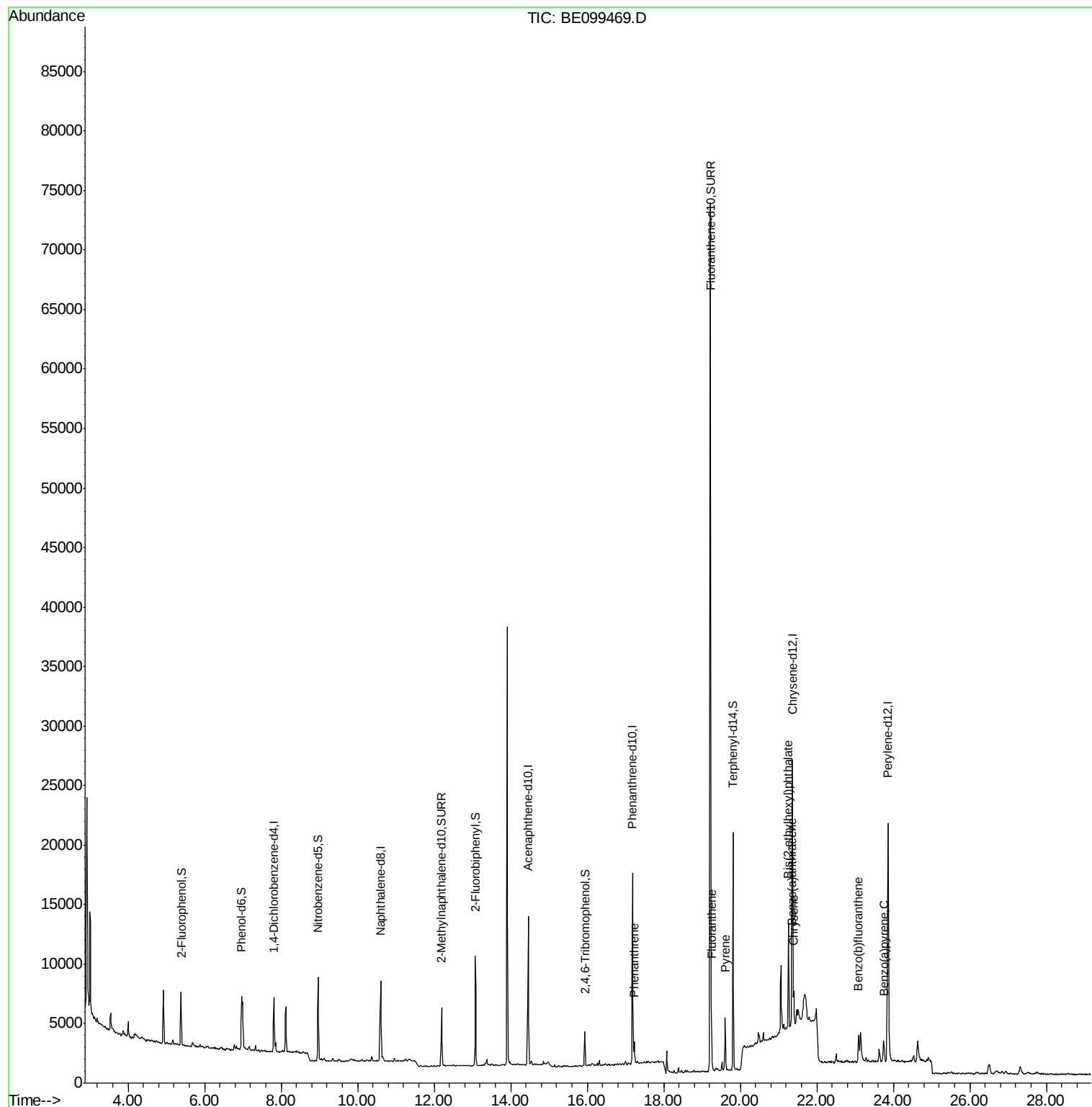
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.23	178	1674	0.030	ng	# 89
26) Fluoranthene	19.25	202	4072	0.049	ng	# 97
28) Pyrene	19.61	202	4174	0.063	ng	# 94
30) Benzo(a)anthracene	21.34	228	2471	0.030	ng	# 88
31) Chrysene	21.40	228	2605	0.033	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.26	149	11238	0.026	ng	# 98
35) Benzo(b)fluoranthene	23.10	252	3172	0.038	ng	# 23
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

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Instrument :

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ClientSampleId :

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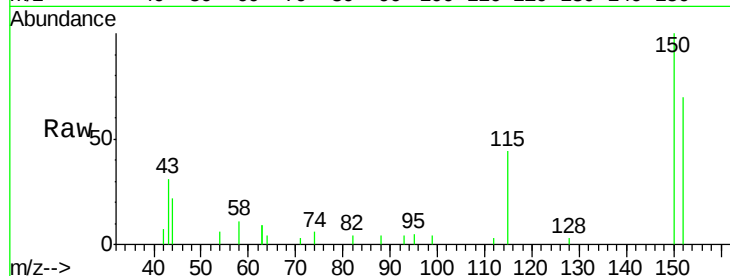
Tgt Ion:152 Resp: 2197

Ion Ratio Lower Upper

152 100

150 141.9 104.8 157.2

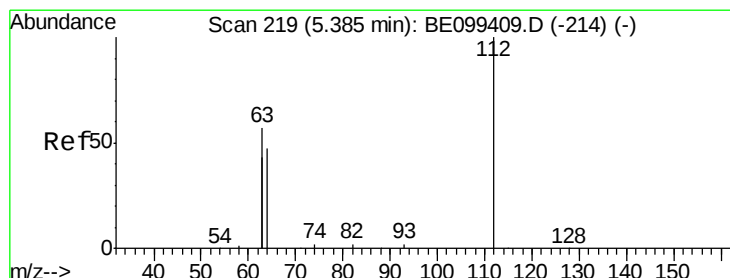
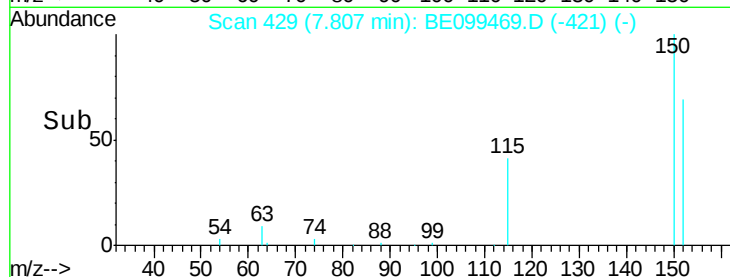
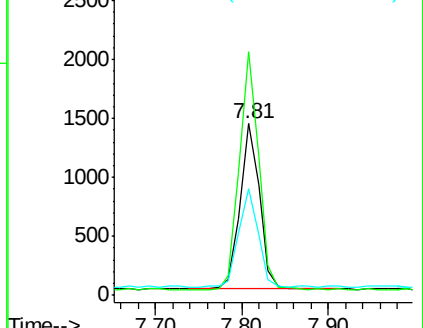
115 62.3 46.6 69.8



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



#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

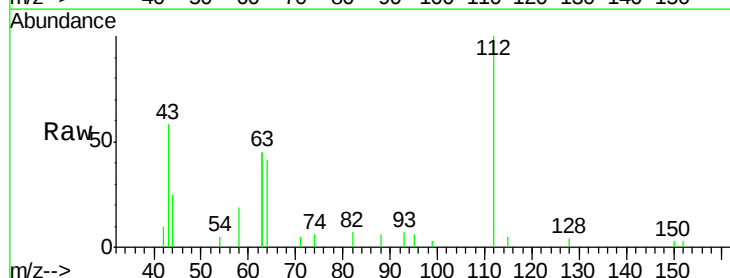
Tgt Ion:112 Resp: 2626

Ion Ratio Lower Upper

112 100

64 52.8 47.4 71.0

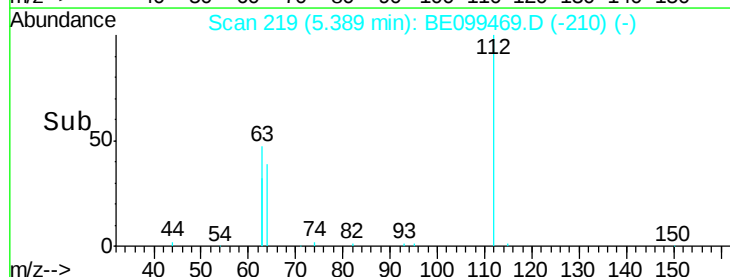
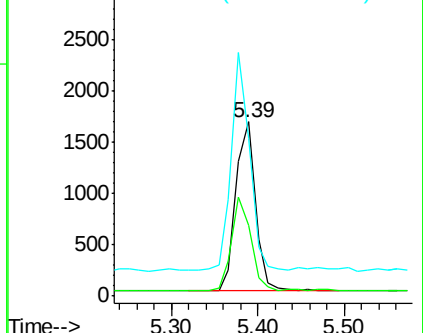
63 117.8 104.3 156.5

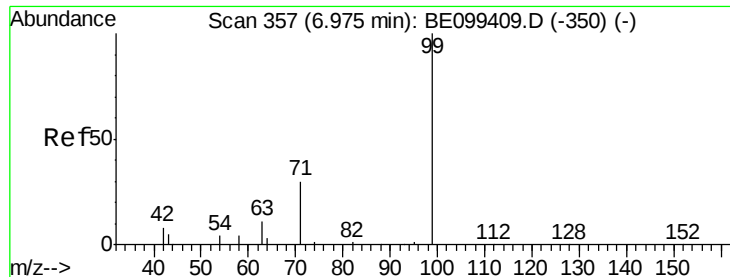


Abundance Ion 112.00 (111.70 to 112.70): E

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

Instrument :

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ClientSampleId :

PST-001-B015-042519

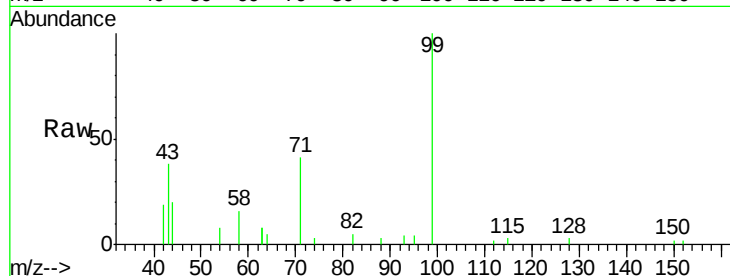
Tgt Ion: 99 Resp: 3787

Ion Ratio Lower Upper

99 100

42 21.2 14.9 22.3

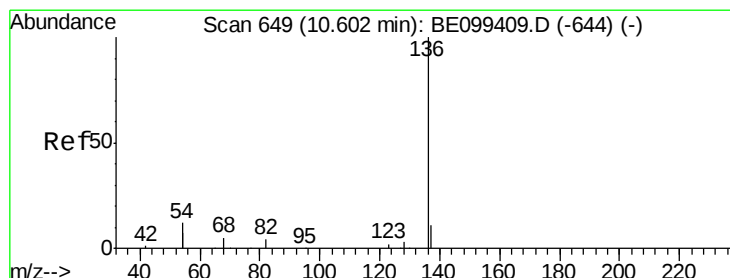
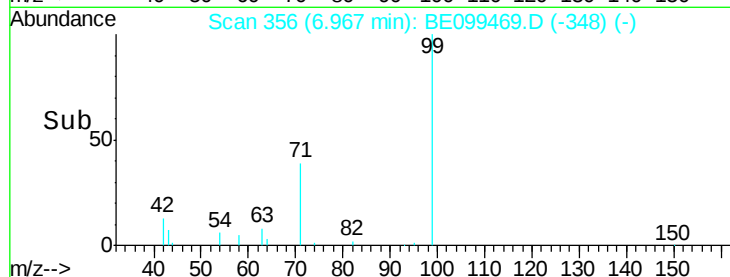
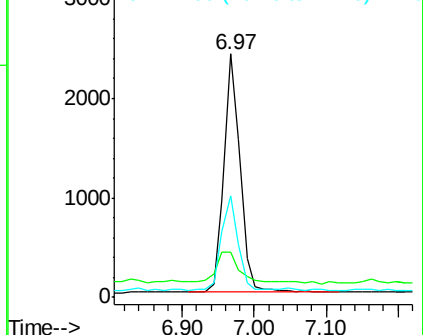
71 39.7 33.0 49.6



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

Tgt Ion: 136 Resp: 8386

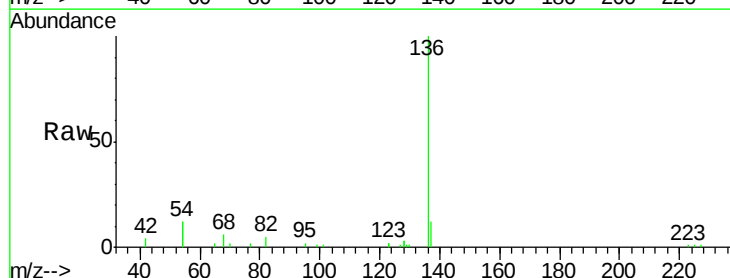
Ion Ratio Lower Upper

136 100

137 11.5 9.8 14.8

54 23.1 18.5 27.7

68 6.3 4.7 7.1

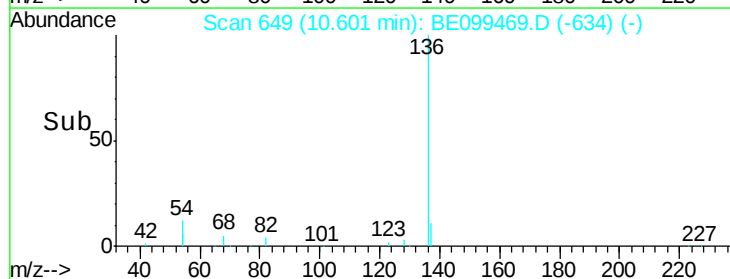
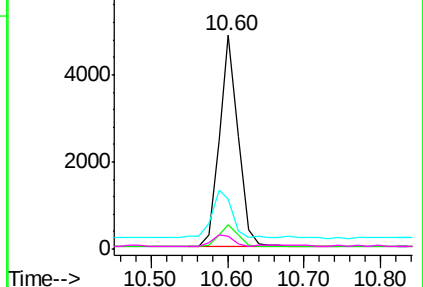


Abundance Ion 136.00 (135.70 to 136.70): E

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

Instrument :

BNA_E

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PST-001-B015-042519

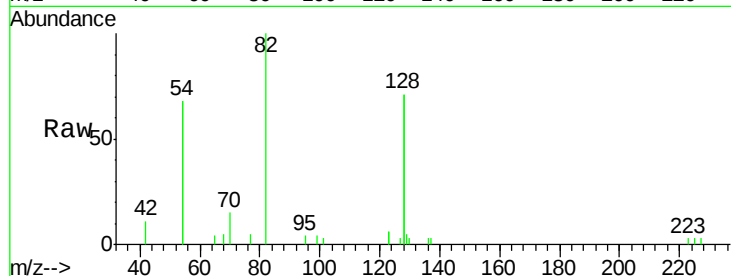
Tgt Ion: 82 Resp: 3119

Ion Ratio Lower Upper

82 100

128 142.9 107.0 160.4

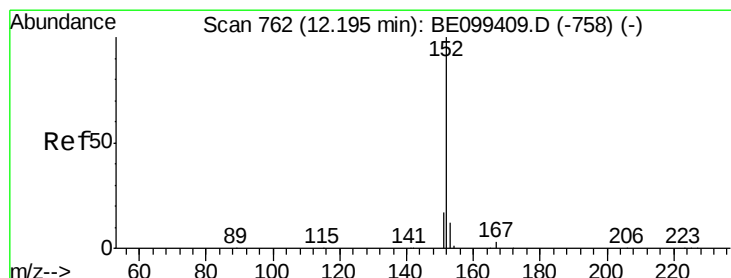
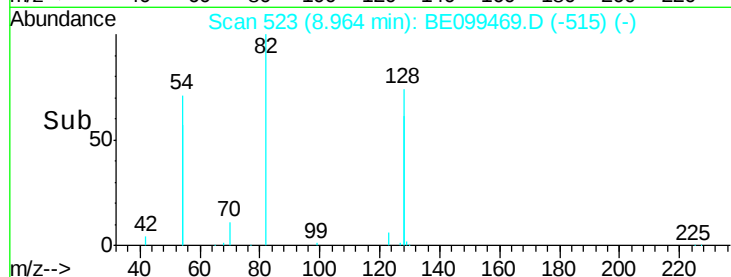
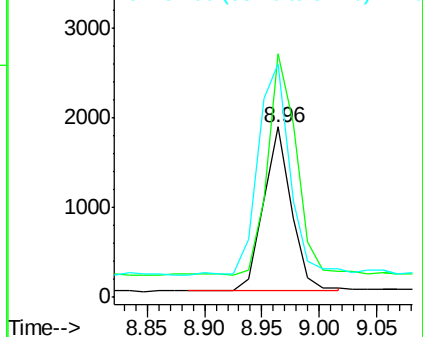
54 136.8 113.1 169.7



Abundance Ion 82.00 (81.70 to 82.70): BE099469.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099469.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099469.D (-515) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099469.D

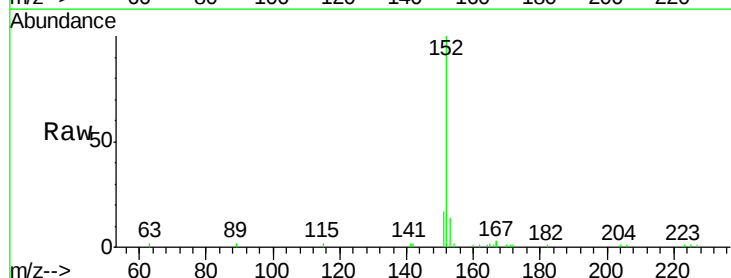
Acq: 1 May 2019 18:21

Tgt Ion: 152 Resp: 6044

Ion Ratio Lower Upper

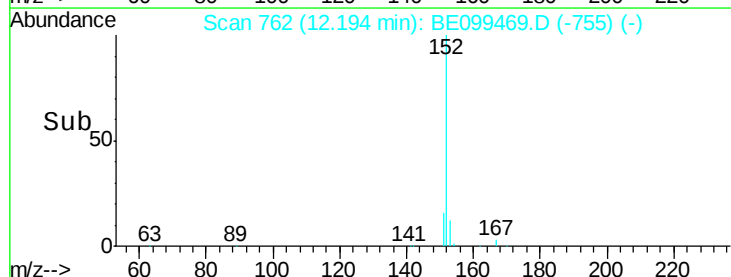
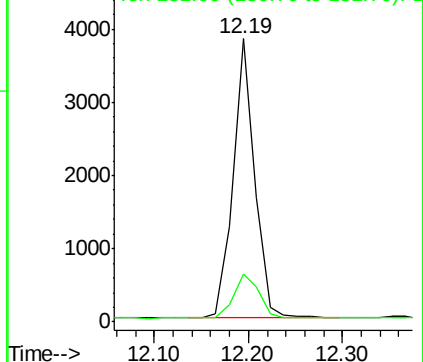
152 100

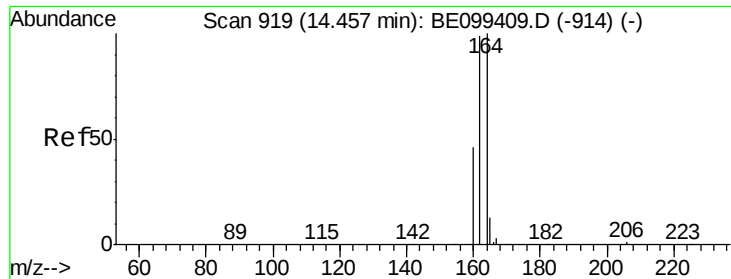
151 18.9 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BE099469.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099469.D (-755) (-)

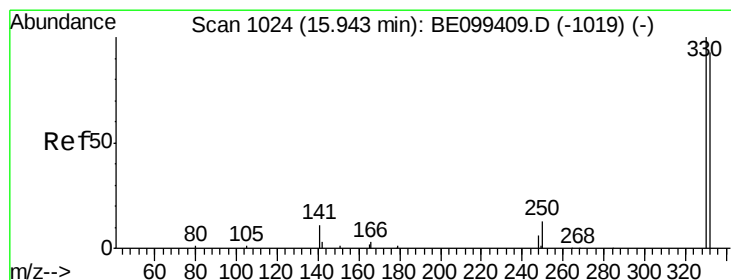
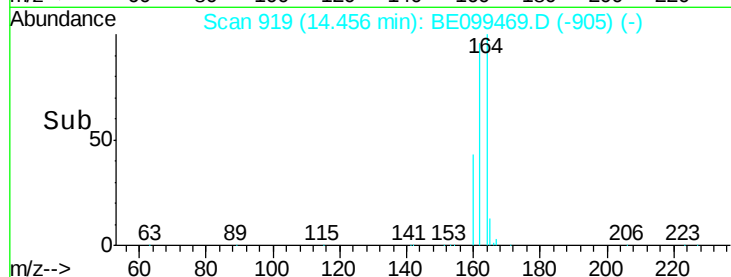
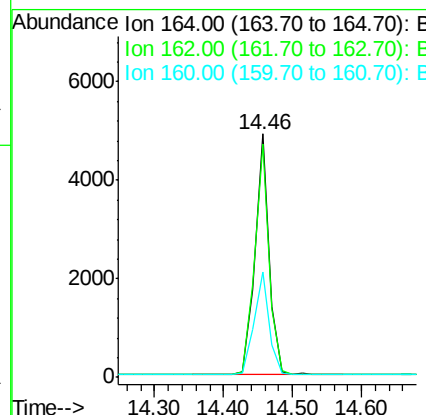
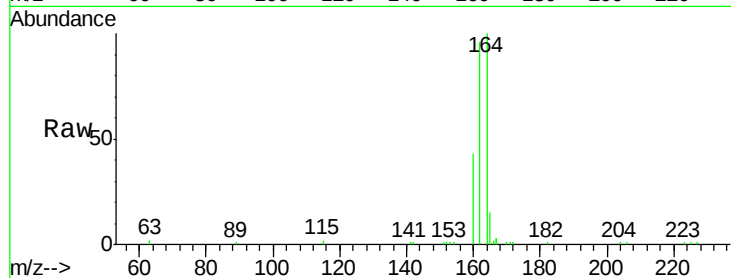




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

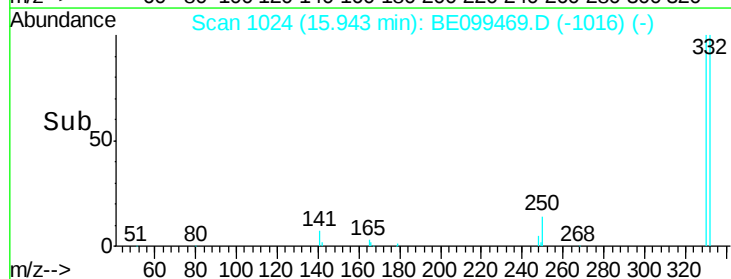
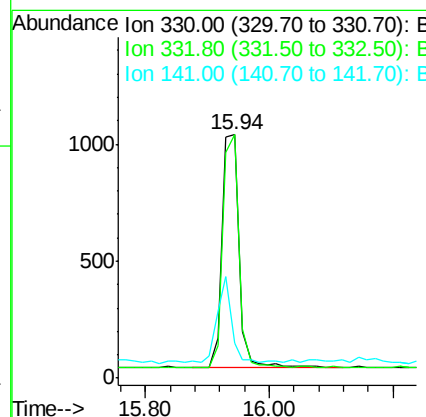
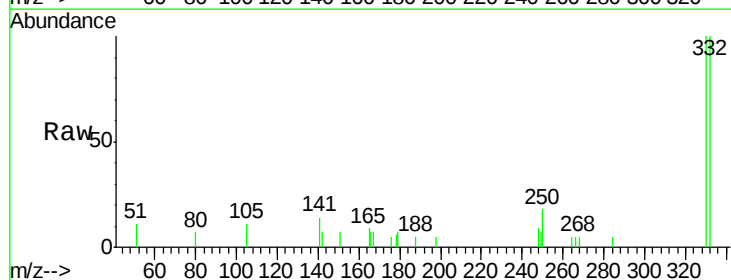
Instrument :
 BNA_E
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 PST-001-B015-042519

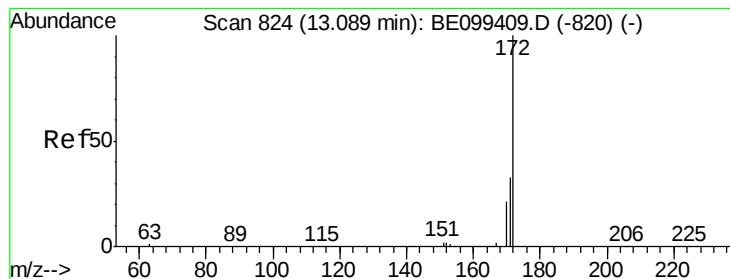
Tgt Ion:164 Resp: 7098
 Ion Ratio Lower Upper
 164 100
 162 95.9 79.0 118.4
 160 43.3 37.0 55.4



#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

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





#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

Instrument :

BNA_E

ClientSampleId :

PST-001-B015-042519

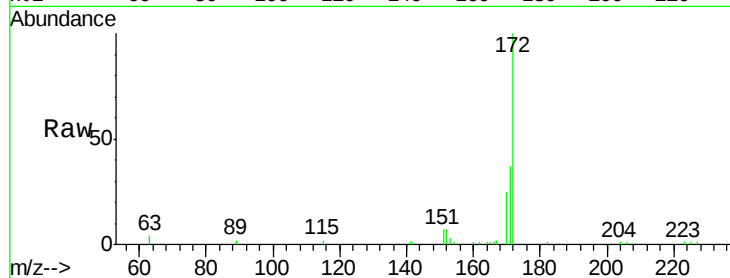
Tgt Ion:172 Resp: 9115

Ion Ratio Lower Upper

172 100

171 37.2 26.6 39.8

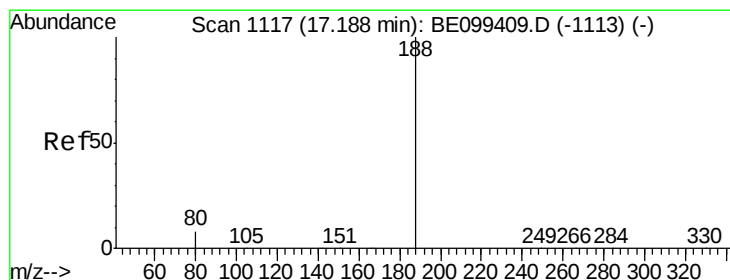
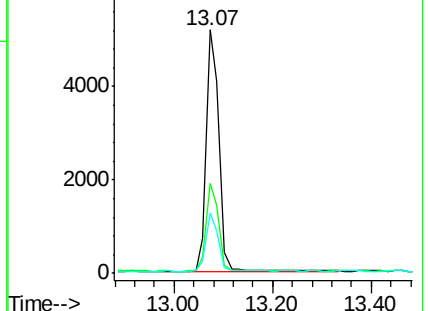
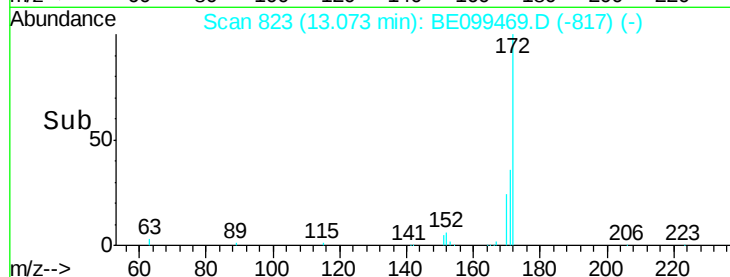
170 24.8 17.0 25.6



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

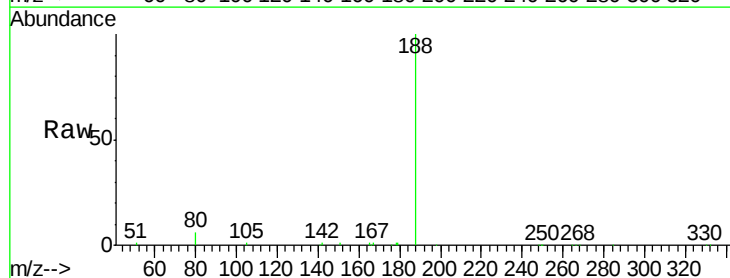
Tgt Ion:188 Resp: 21522

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

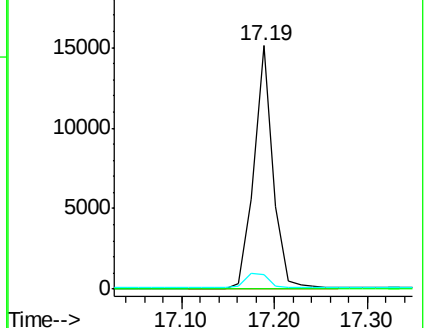
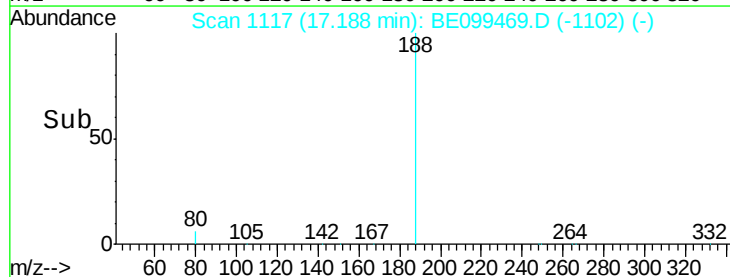
80 6.2 6.7 10.1#

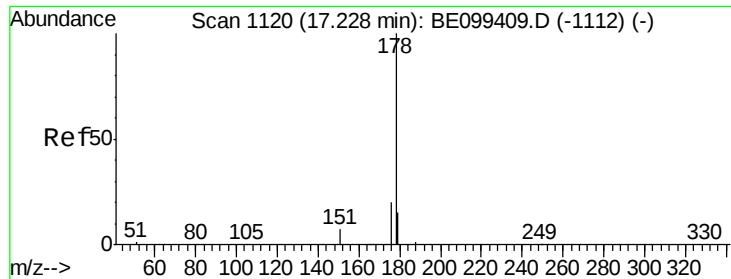


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.030 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099469.D

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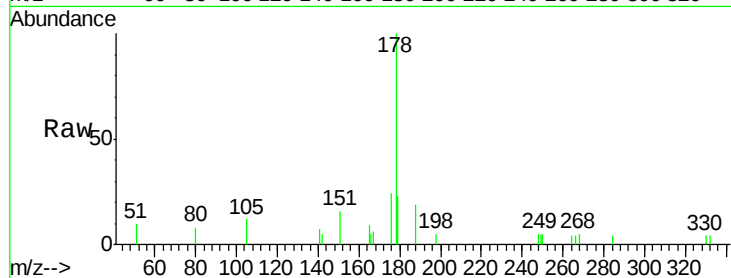
Tgt Ion:178 Resp: 1674

Ion Ratio Lower Upper

178 100

176 21.4 15.6 23.4

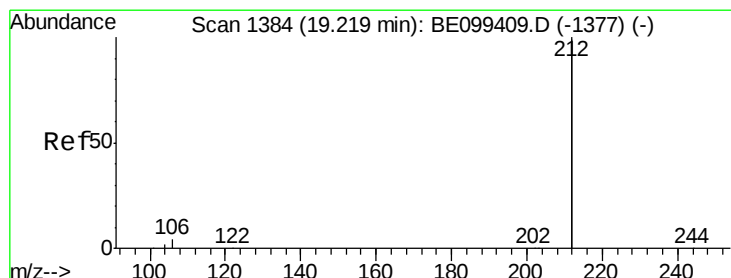
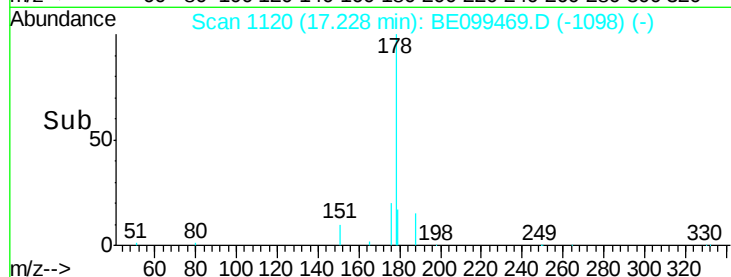
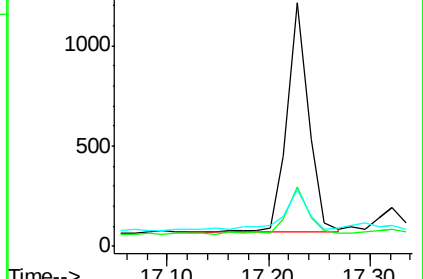
179 23.0 12.0 18.0#



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

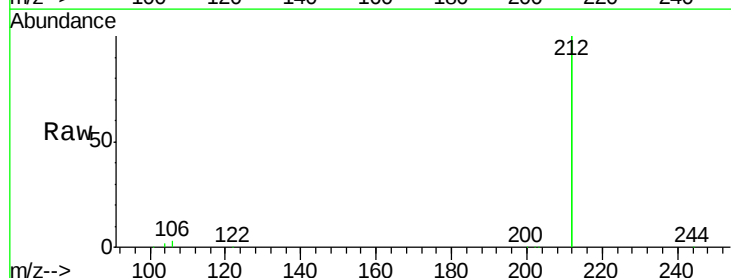
Tgt Ion:212 Resp: 97714

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

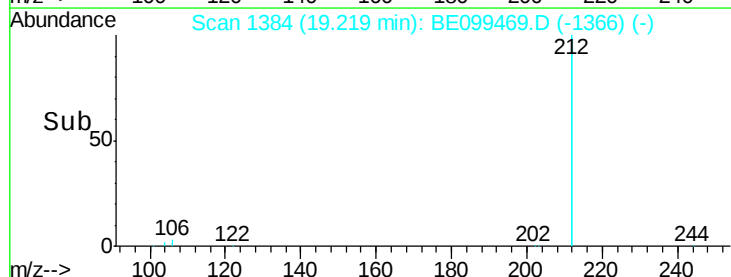
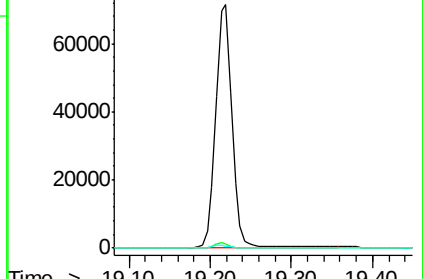
104 1.1 0.9 1.3

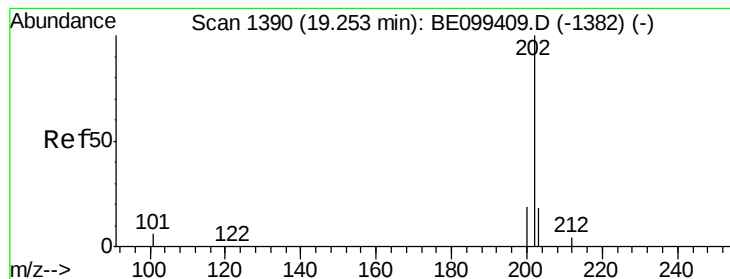


Abundance Ion 212.00 (211.70 to 212.70): E

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

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PST-001-B015-042519

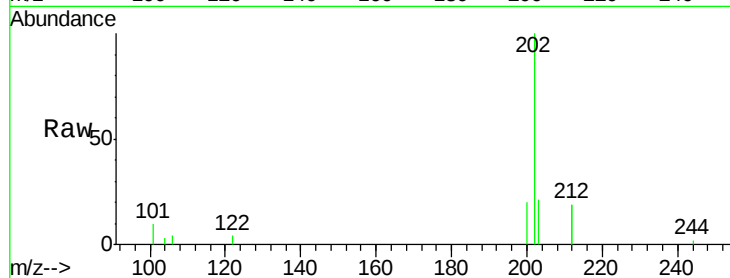
Tgt Ion:202 Resp: 4072

Ion Ratio Lower Upper

202 100

101 10.5 5.4 8.0#

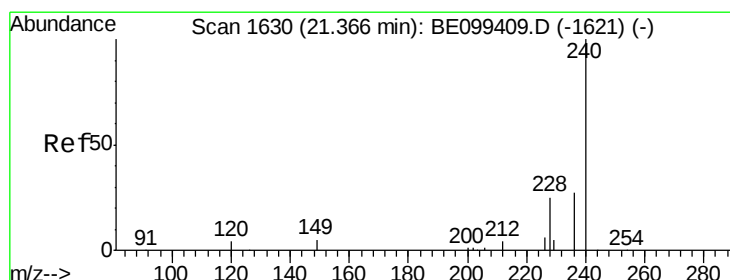
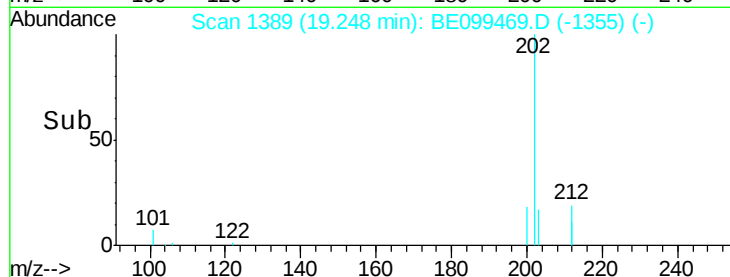
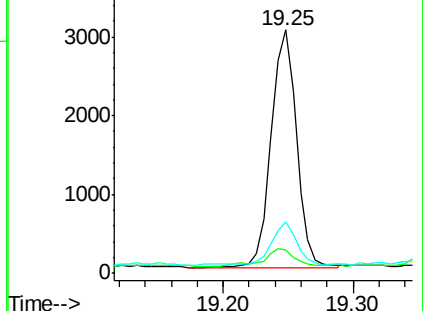
203 17.6 13.9 20.9



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

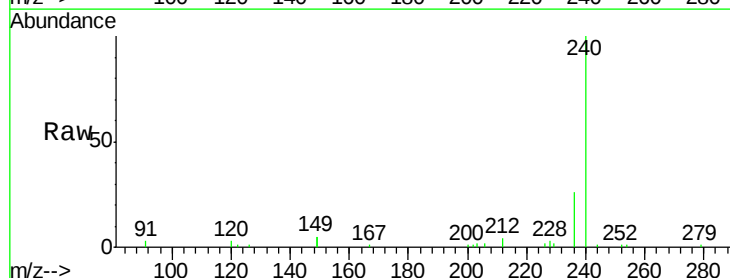
Tgt Ion:240 Resp: 25605

Ion Ratio Lower Upper

240 100

120 3.4 4.0 6.0#

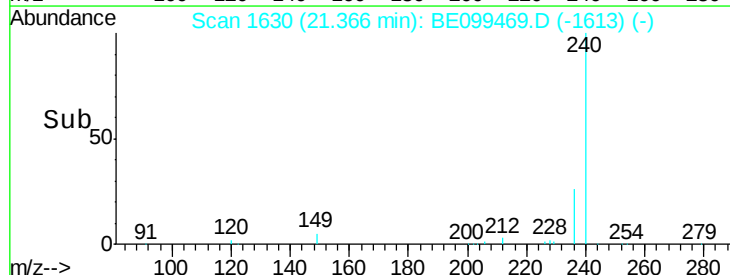
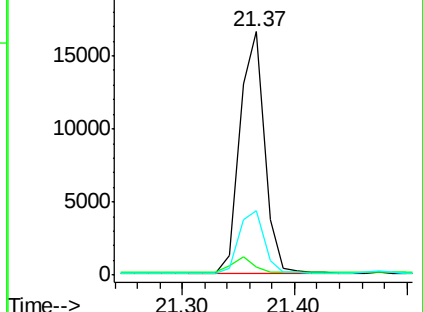
236 26.3 22.0 33.0

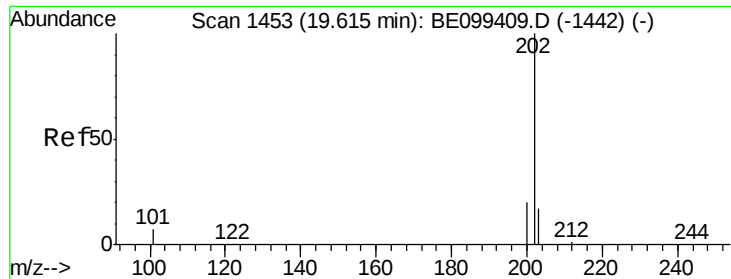


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

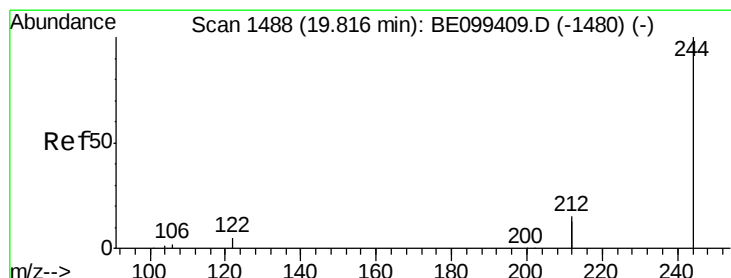
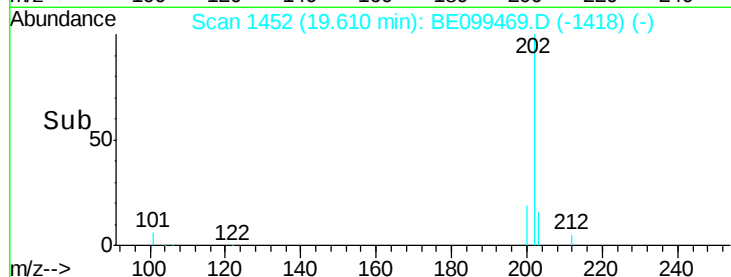
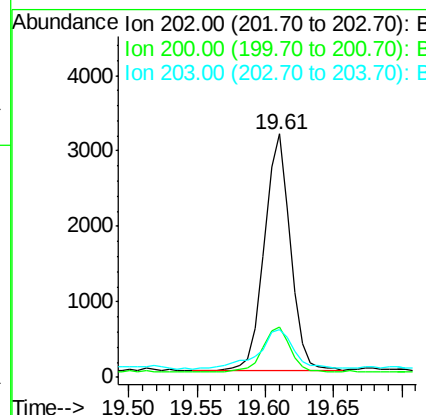
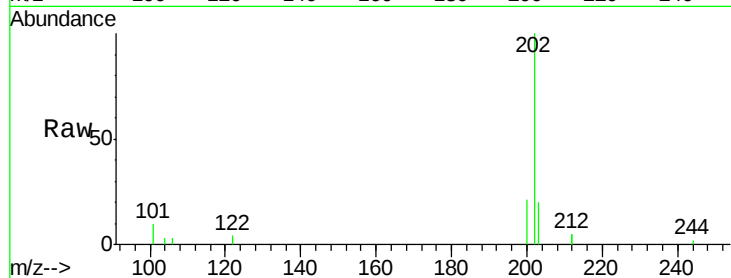




#28
 Pyrene
 Concen: 0.063 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

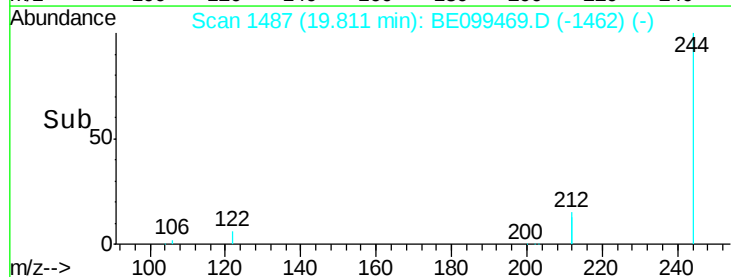
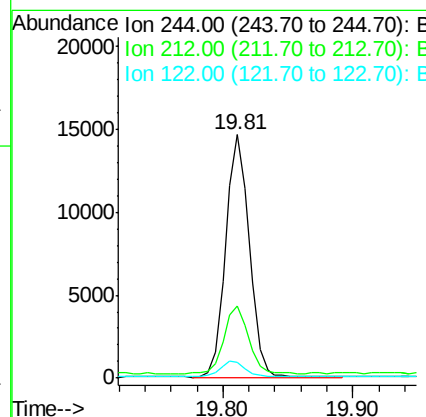
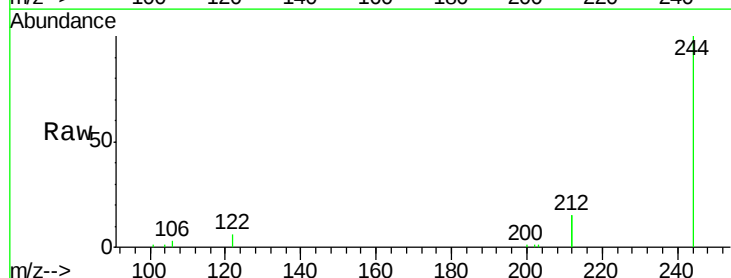
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B015-042519

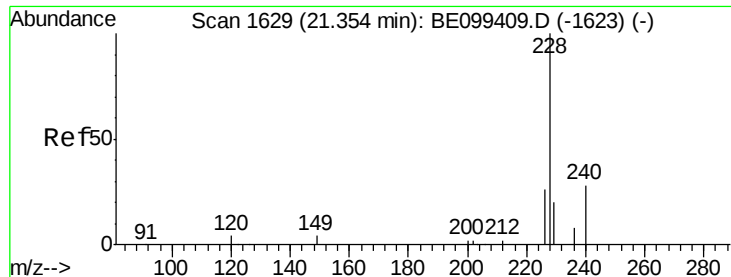
Tgt Ion: 202 Resp: 4174
 Ion Ratio Lower Upper
 202 100
 200 20.4 15.7 23.5
 203 22.6 13.9 20.9#



#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

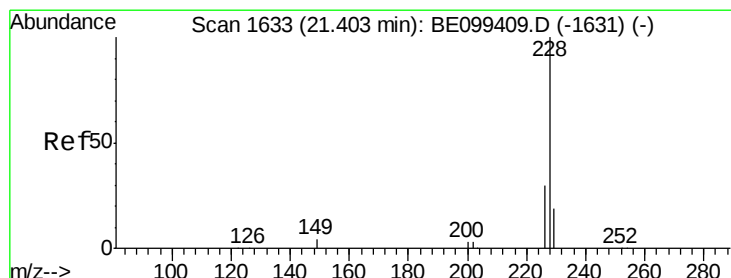
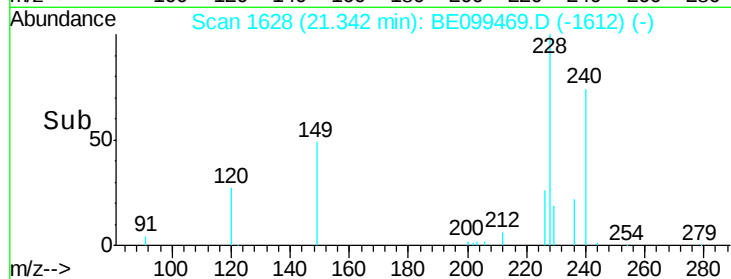
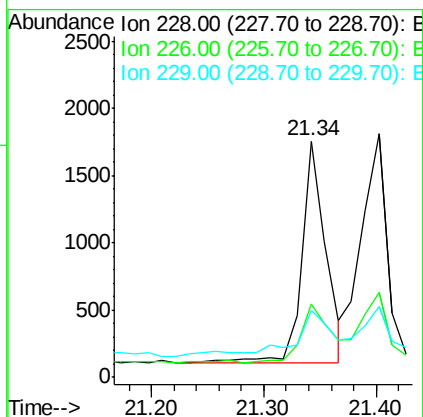
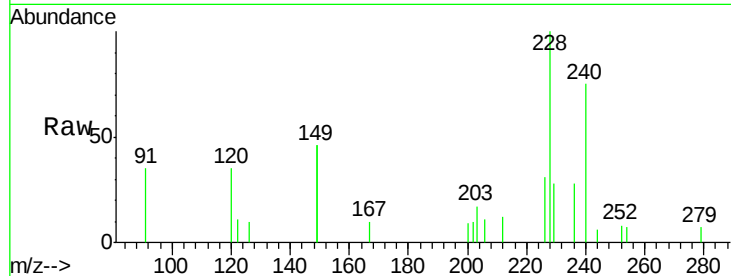




#30
Benzo(a)anthracene
Concen: 0.030 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099469.D
Acq: 1 May 2019 18:21

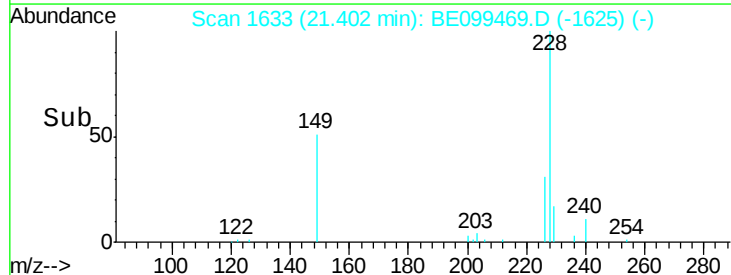
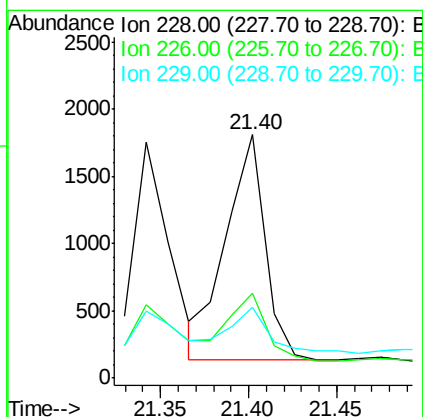
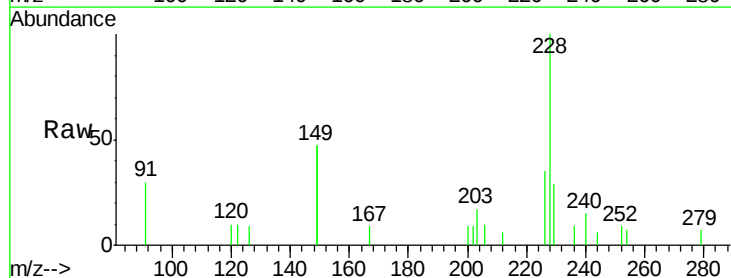
Instrument :
BNA_E
ClientSampleId :
PST-001-B015-042519

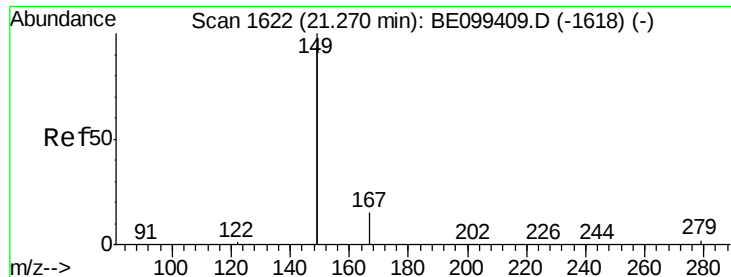
Tgt Ion:228 Resp: 2471
Ion Ratio Lower Upper
228 100
226 31.1 21.0 31.6
229 28.2 16.6 25.0#



#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#

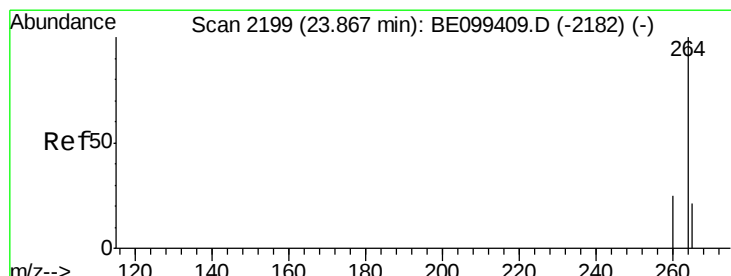
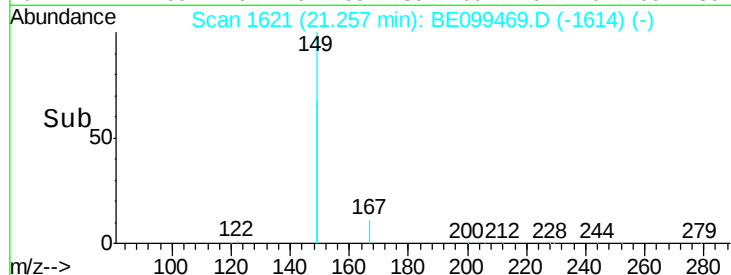
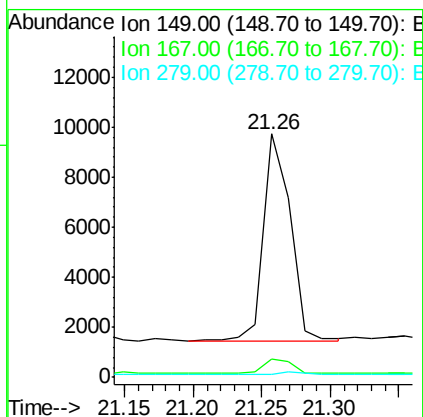
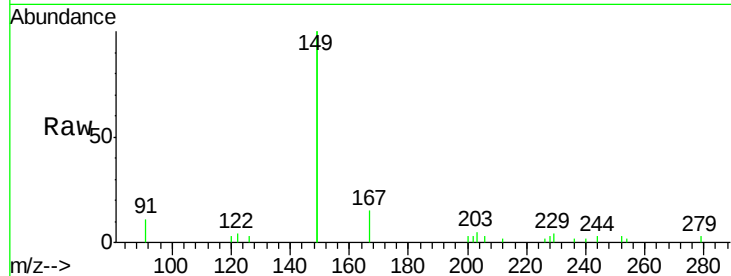




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.026 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099469.D
 Acq: 1 May 2019 18:21

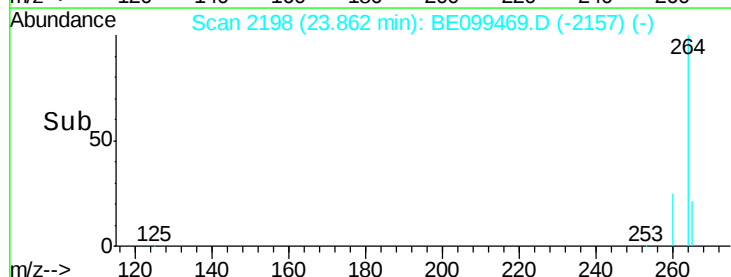
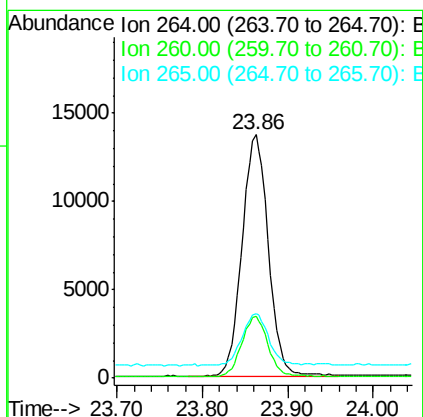
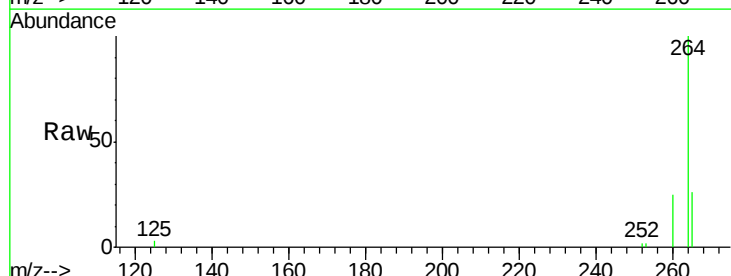
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B015-042519

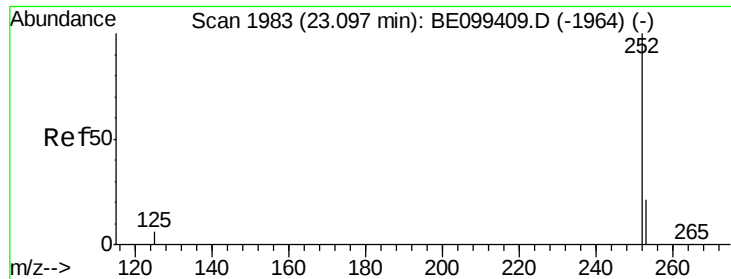
Tgt Ion:149 Resp: 11238
 Ion Ratio Lower Upper
 149 100
 167 7.9 5.8 8.6
 279 2.4 1.0 1.6#



#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

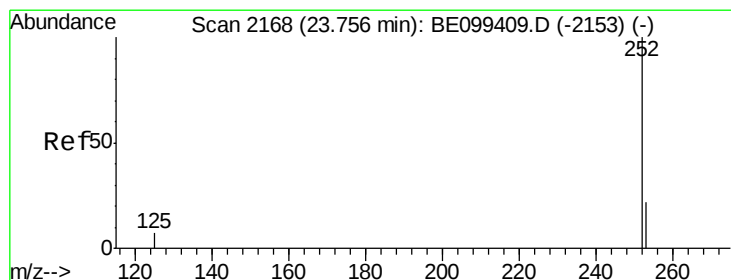
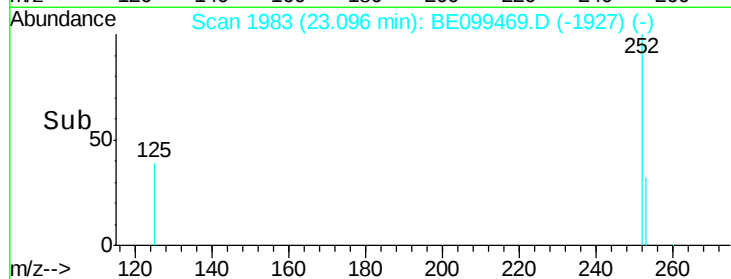
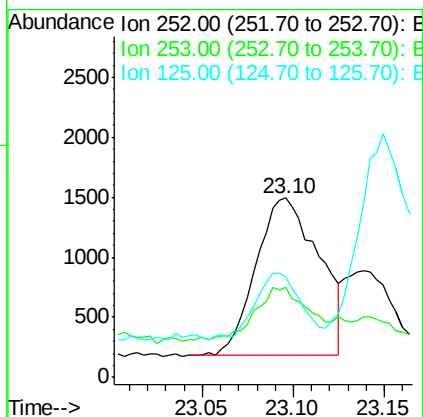
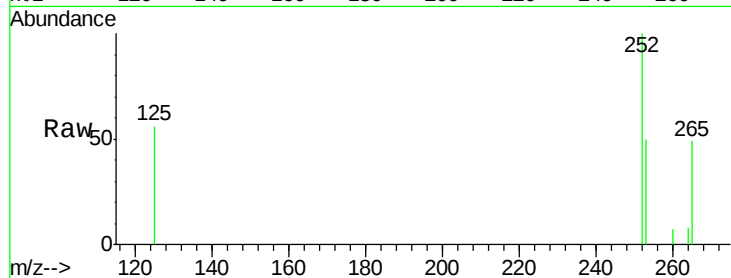




#35
Benzo(b)fluoranthene
Concen: 0.038 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE099469.D
Acq: 1 May 2019 18:21

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

Tgt Ion:252 Resp: 3172
Ion Ratio Lower Upper
252 100
253 50.0 18.1 27.1#
125 55.9 5.6 8.4#



#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

Tgt Ion:252 Resp: 2253
Ion Ratio Lower Upper
252 100
253 49.1 18.9 28.3#
125 59.6 6.7 10.1#

