

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099429.D
 Acq On : 30 Apr 2019 16:45
 Operator : JU/SJ
 Sample : K2587-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

Quant Time: Apr 30 23:58:37 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	2374	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8207	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5824	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17988	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29430	0.40	ng	0.00
34) Perylene-d12	23.86	264	35315	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	2660	0.41	ng	0.00
5) Phenol-d6	6.96	99	3670	0.42	ng	-0.01
8) Nitrobenzene-d5	8.97	82	3000	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5189	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1414	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	7588	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	84982	0.35	ng	0.00
29) Terphenyl-d14	19.81	244	18458	0.34	ng	0.00

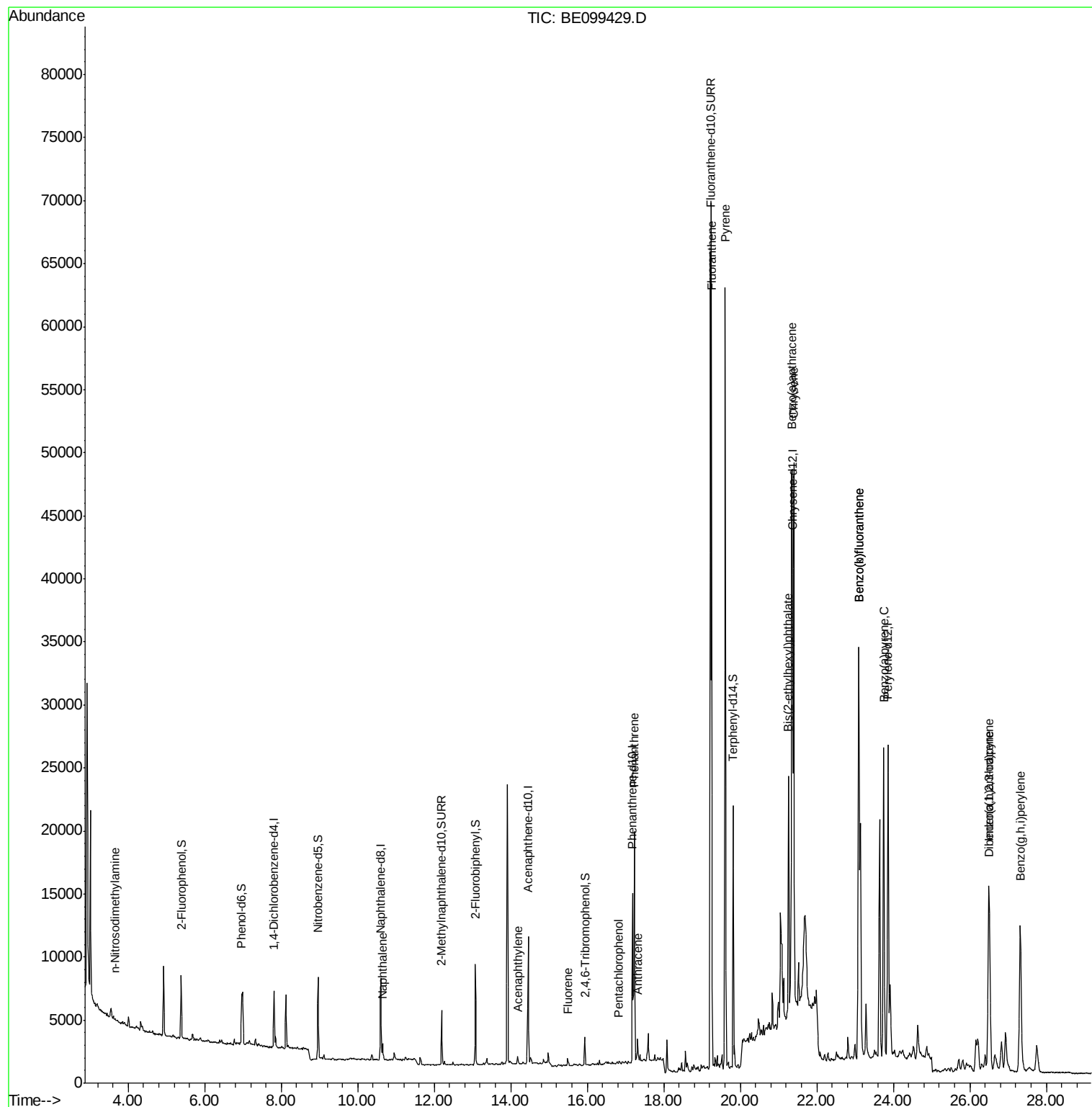
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.66	42	61	0.031	ng	# 1
9) Naphthalene	10.65	128	2193	0.025	ng	# 89
16) Acenaphthylene	14.18	152	984	0.035	ng	95
18) Fluorene	15.49	166	544	0.023	ng	# 87
22) Pentachlorophenol	16.83	266	59	0.226	ng	# 76
23) Phenanthrene	17.23	178	18114	0.390	ng	99
24) Anthracene	17.32	178	1838	0.042	ng	# 87
26) Fluoranthene	19.25	202	62875	0.904	ng	100
28) Pyrene	19.61	202	57871	0.754	ng	# 96
30) Benzo(a)anthracene	21.34	228	36933	0.394	ng	97
31) Chrysene	21.40	228	45665	0.498	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	28154	0.141	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	30334	0.280	ng	98
35) Benzo(b)fluoranthene	23.10	252	61133	0.600	ng	# 97
36) Benzo(k)fluoranthene	23.10	252	61133	0.623	ng	# 97
37) Benzo(a)pyrene	23.75	252	37938	0.394	ng	98
38) Dibenzo(a,h)anthracene	26.52	278	4232	0.043	ng	# 81
39) Benzo(a,h,i)perylene	27.31	276	30012	0.304	ng	99

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

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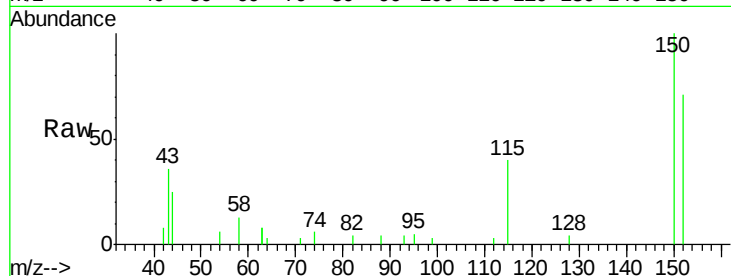


#1

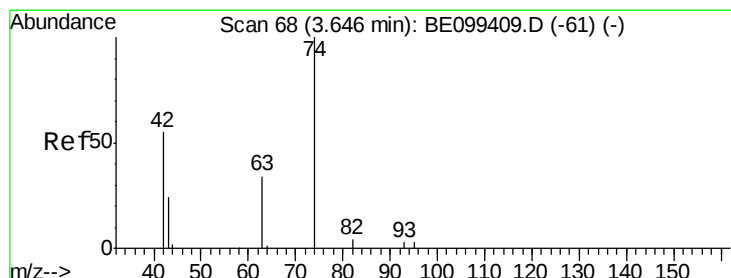
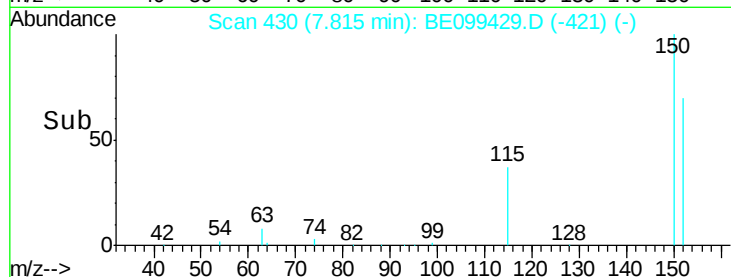
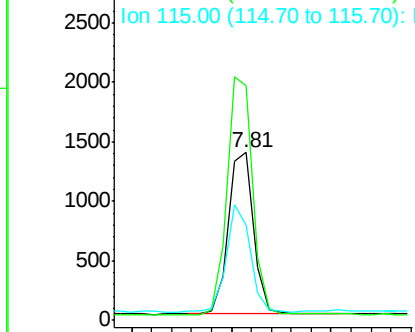
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

Tot Ion:152 Resp: 2374
Ion Ratio Lower Upper
152 100
150 140.4 104.8 157.2
115 56.6 46.6 69.8



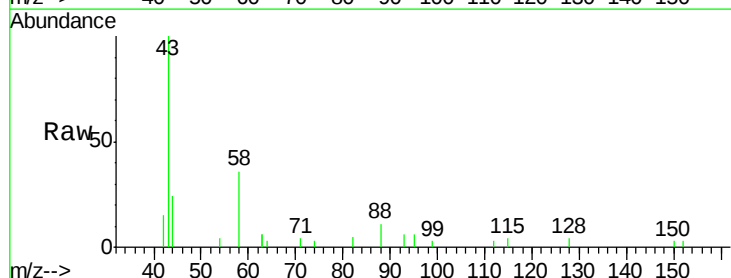
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



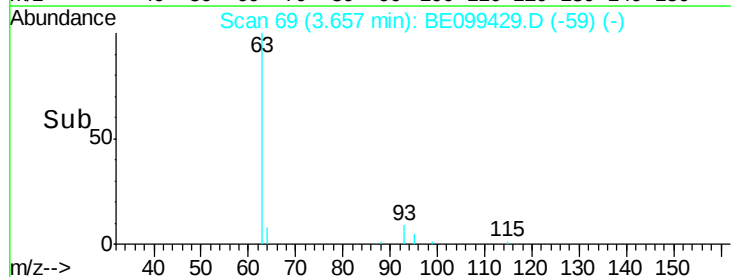
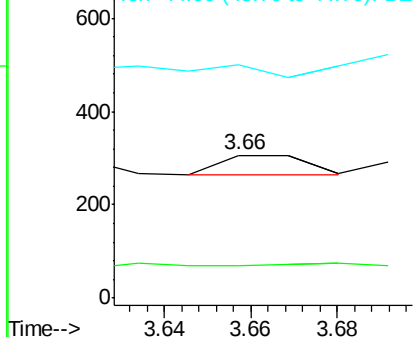
#3

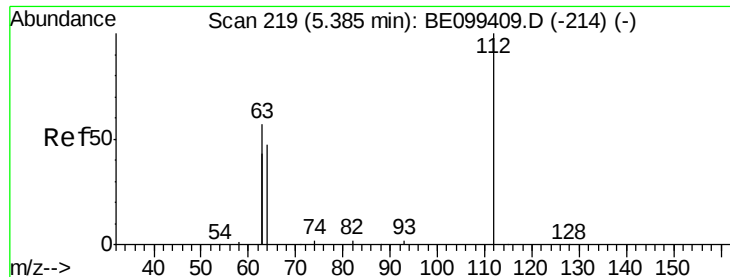
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.66 min Scan# 69
Delta R.T. 0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion: 42 Resp: 61
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: 0.405 ng

RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

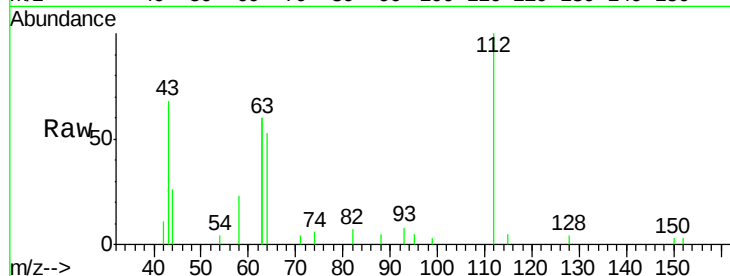
Tot Ion:112 Resp: 2660

Ion Ratio Lower Upper

112 100

64 56.1 47.4 71.0

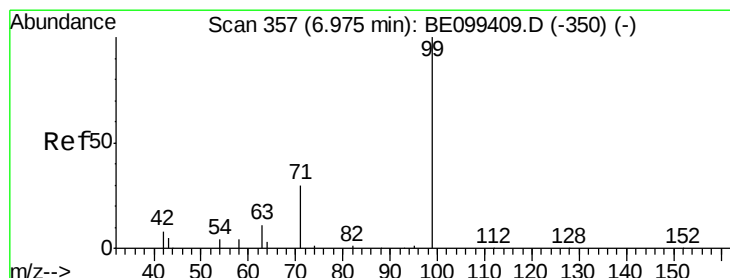
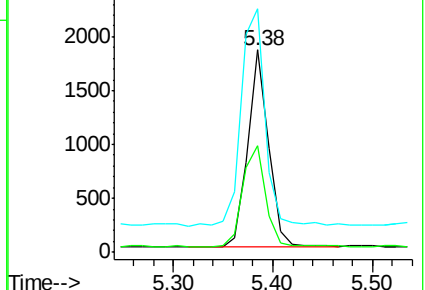
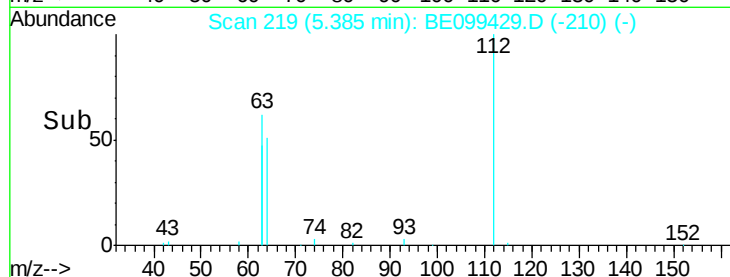
63 126.2 104.3 156.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.420 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

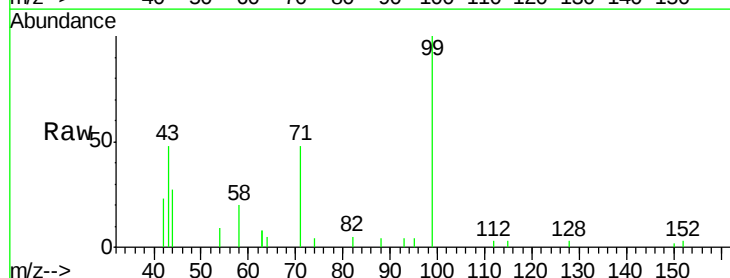
Tgt Ion: 99 Resp: 3670

Ion Ratio Lower Upper

99 100

42 19.3 14.9 22.3

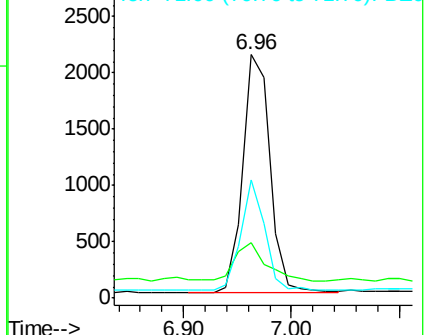
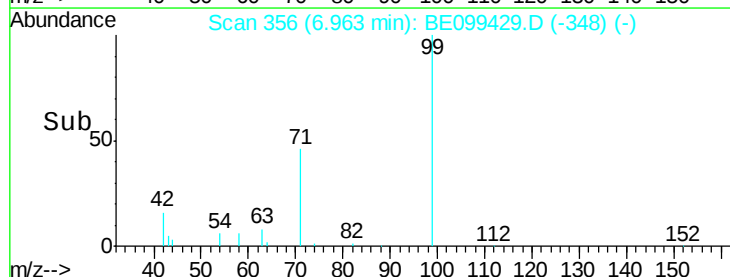
71 41.4 33.0 49.6

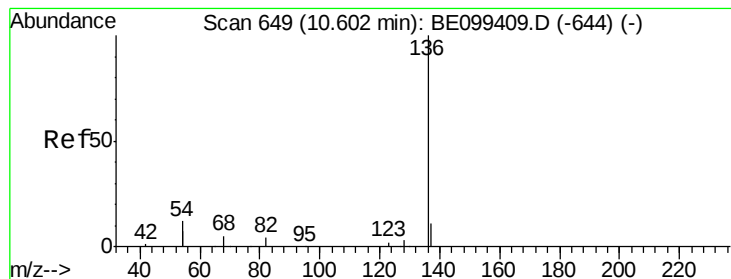


Abundance Ion 99.00 (98.70 to 99.70): BE0

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# 650

Delta R.T. 0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

Tot Ion:136 Resp: 8207

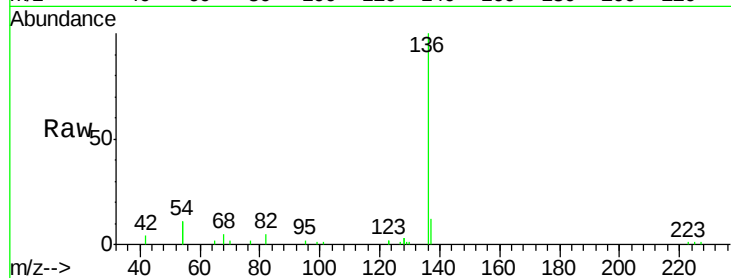
Ion Ratio Lower Upper

136 100

137 12.3 9.8 14.8

54 21.8 18.5 27.7

68 5.3 4.7 7.1

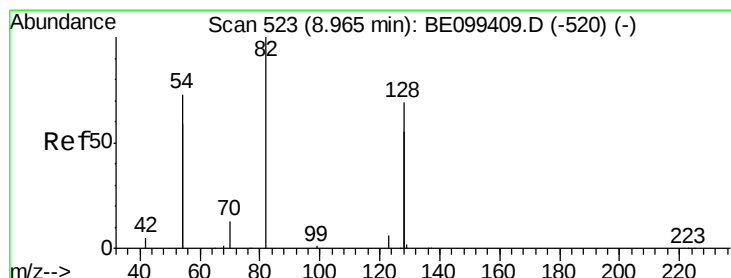
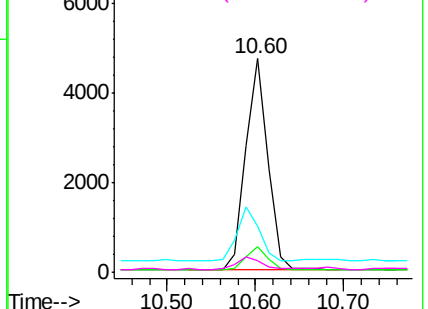
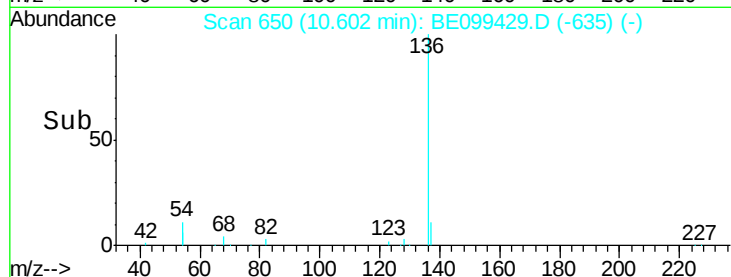


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.390 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

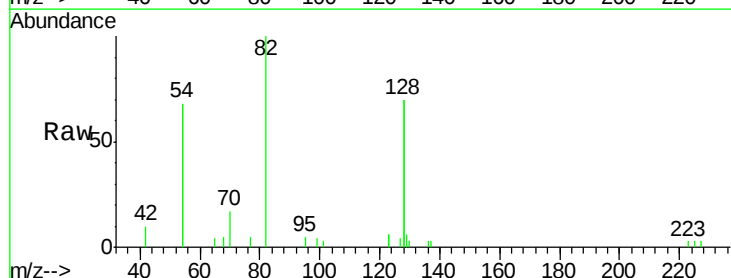
Tgt Ion: 82 Resp: 3000

Ion Ratio Lower Upper

82 100

128 140.8 107.0 160.4

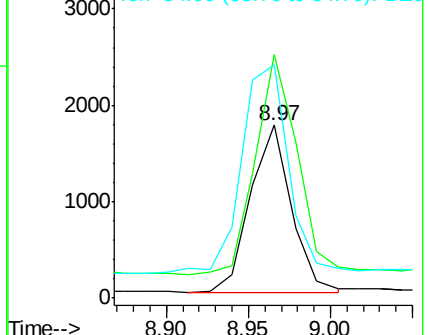
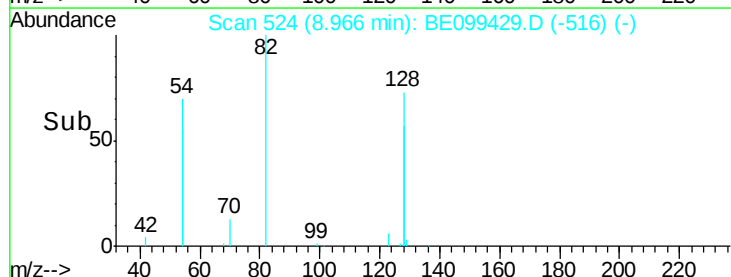
54 135.1 113.1 169.7

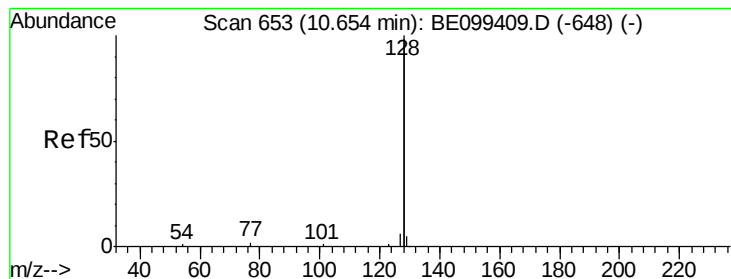


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.025 ng

RT: 10.65 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

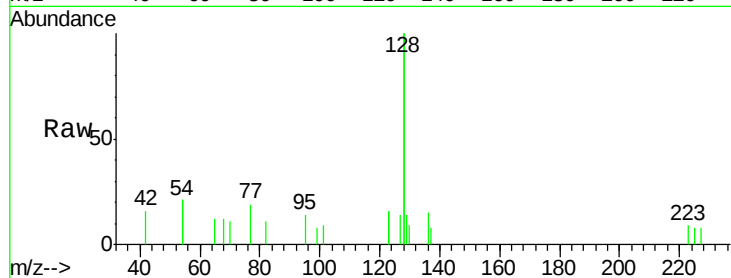
Tot Ion:128 Resp: 2193

Ion Ratio Lower Upper

128 100

129 6.8 2.4 3.6#

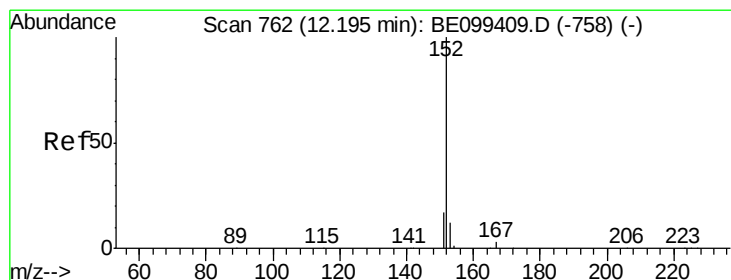
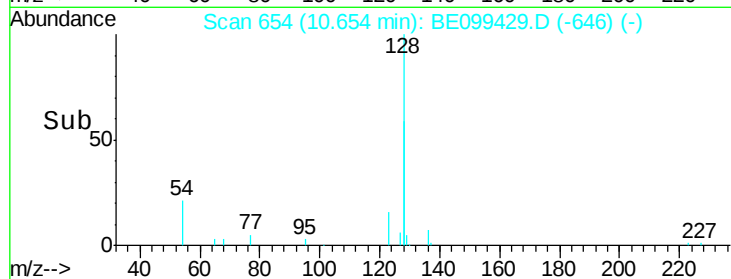
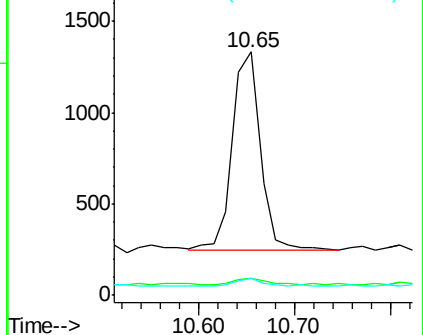
127 7.1 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.351 ng

RT: 12.19 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE099429.D

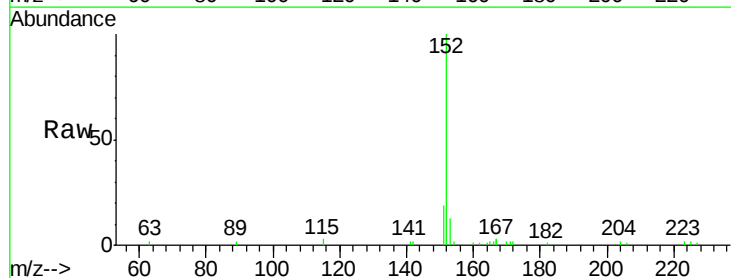
Acq: 30 Apr 2019 16:45

Tgt Ion:152 Resp: 5189

Ion Ratio Lower Upper

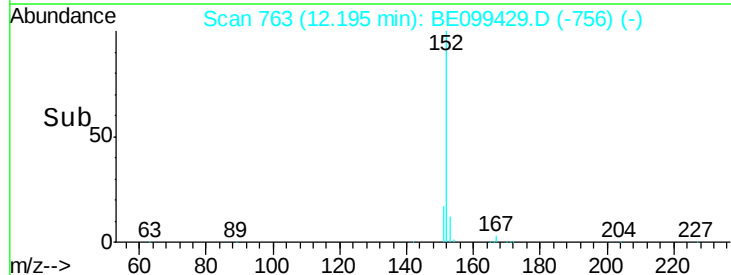
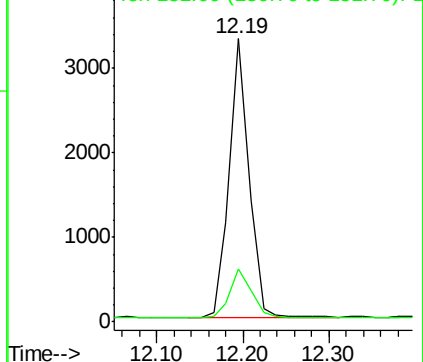
152 100

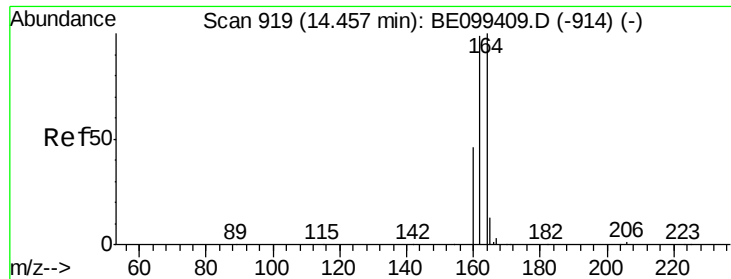
151 19.4 15.5 23.3



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# 920

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

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ClientSampleId :

PST-004-B202-042319

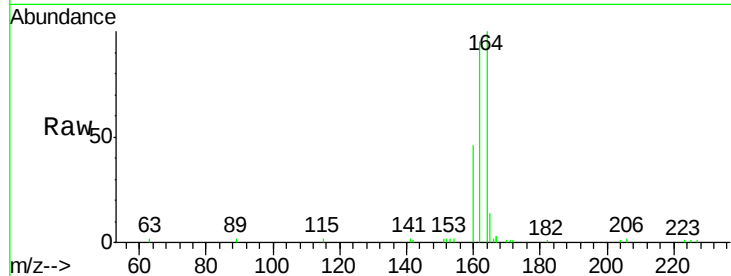
Tot Ion:164 Resp: 5824

Ion Ratio Lower Upper

164 100

162 94.8 79.0 118.4

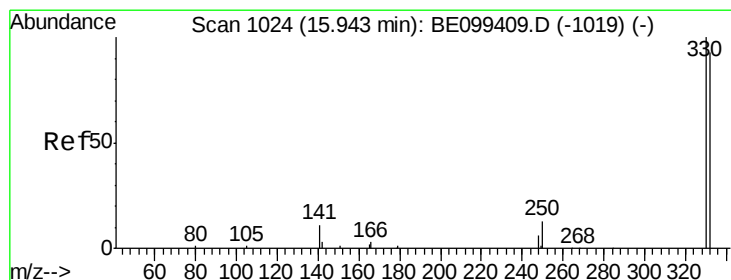
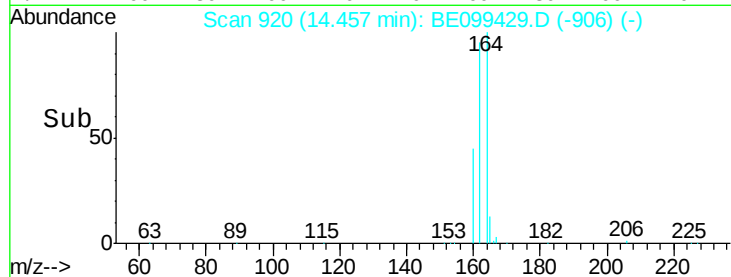
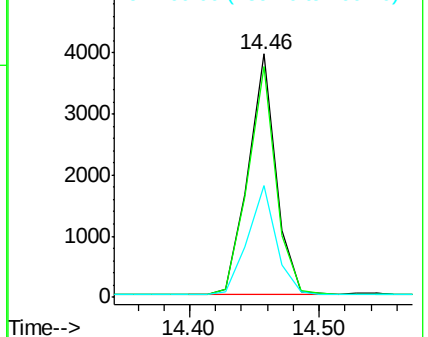
160 45.7 37.0 55.4



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



#14

2,4,6-Tribromophenol

Concen: 0.385 ng

RT: 15.94 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

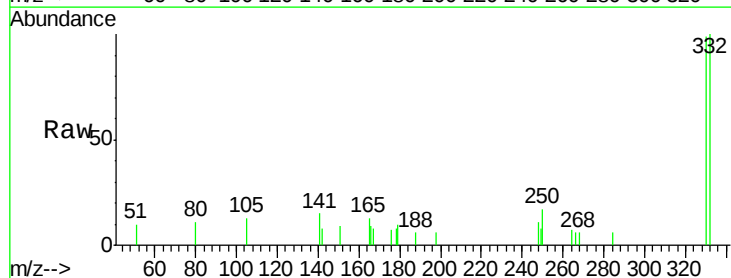
Tgt Ion:330 Resp: 1414

Ion Ratio Lower Upper

330 100

332 99.7 71.5 107.3

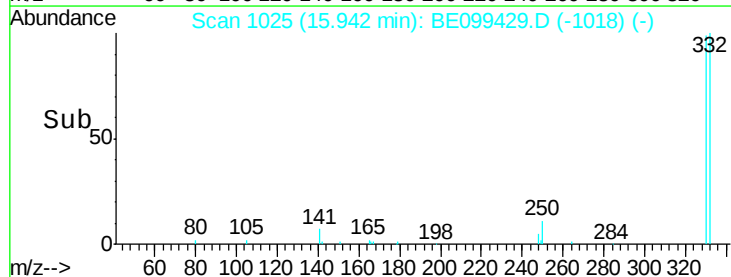
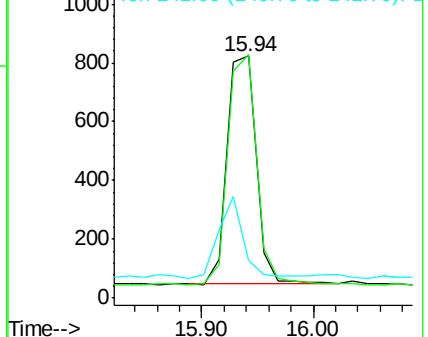
141 30.3 24.0 36.0

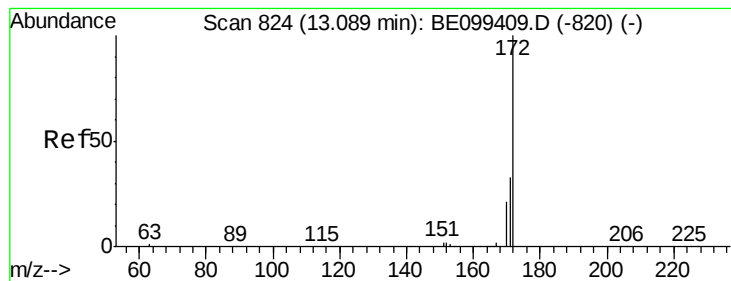


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.341 ng

RT: 13.07 min Scan# 824

Delta R.T. -0.01 min

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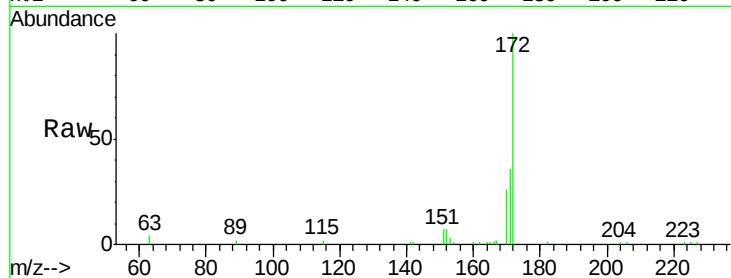
Tot Ion:172 Resp: 7588

Ion Ratio Lower Upper

172 100

171 35.9 26.6 39.8

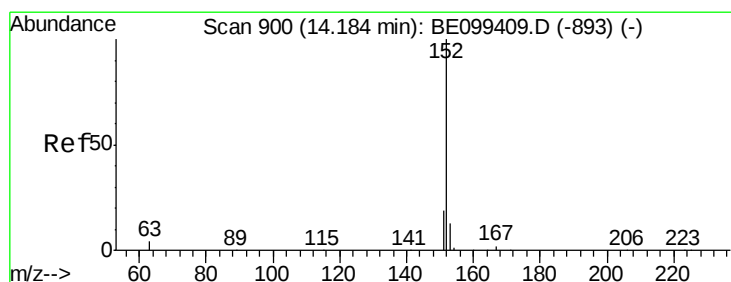
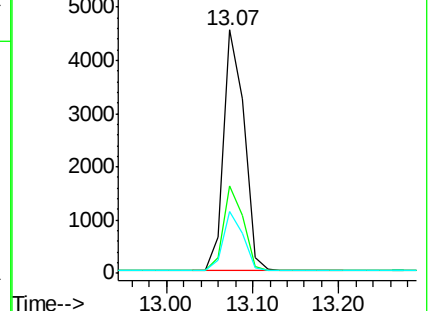
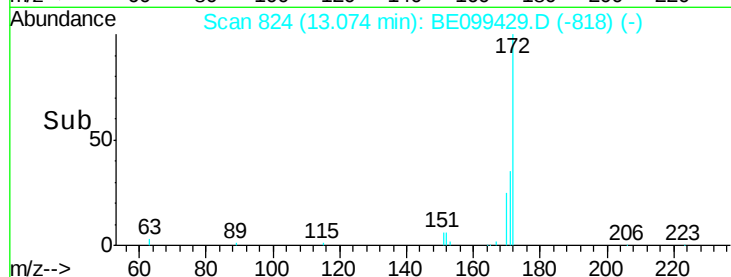
170 25.6 17.0 25.6#



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



#16

Acenaphthylene

Concen: 0.035 ng

RT: 14.18 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

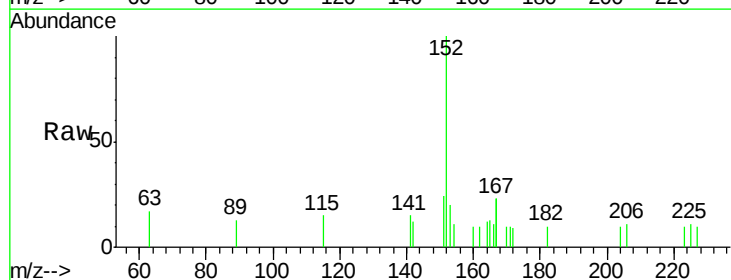
Tgt Ion:152 Resp: 984

Ion Ratio Lower Upper

152 100

151 16.5 15.4 23.2

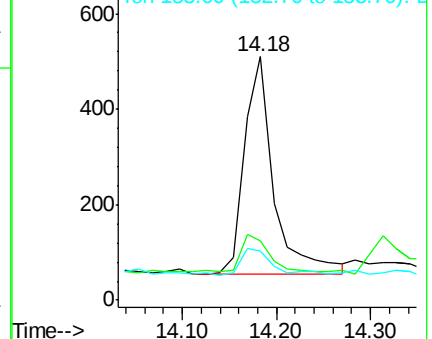
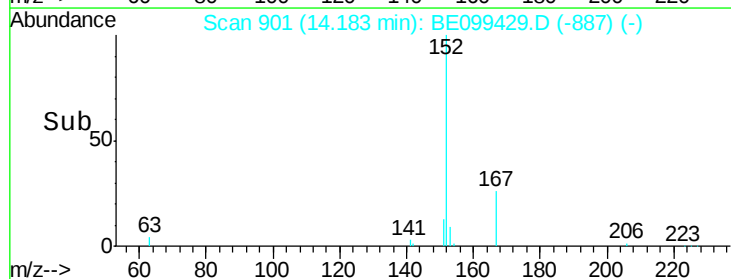
153 13.2 9.8 14.6

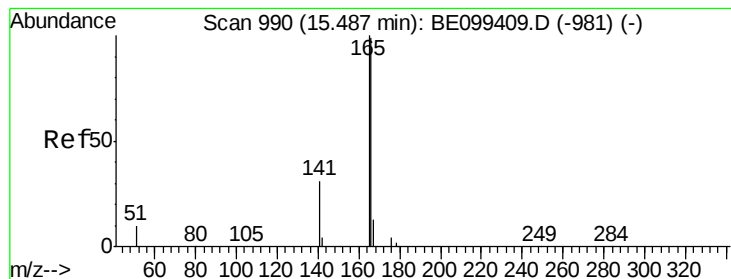


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Fluorene

Concen: 0.023 ng

RT: 15.49 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

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PST-004-B202-042319

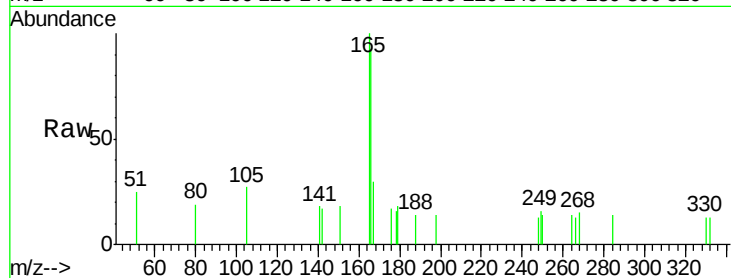
Tot Ion:166 Resp: 544

Ion Ratio Lower Upper

166 100

165 89.3 80.3 120.5

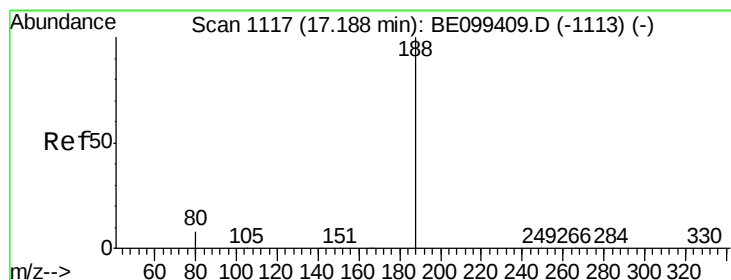
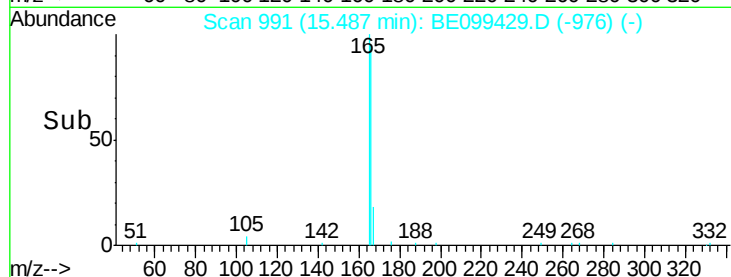
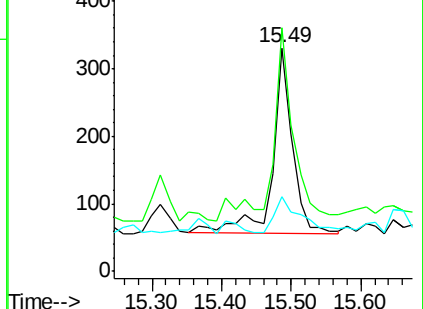
167 24.6 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

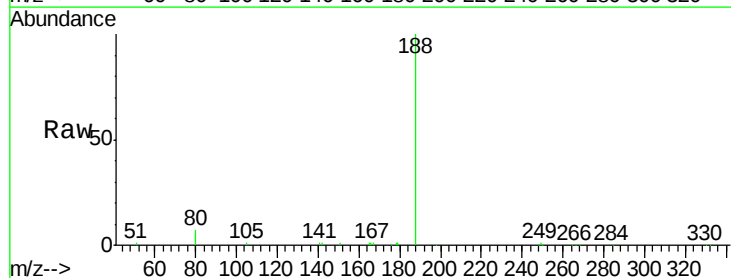
Tgt Ion:188 Resp: 17988

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

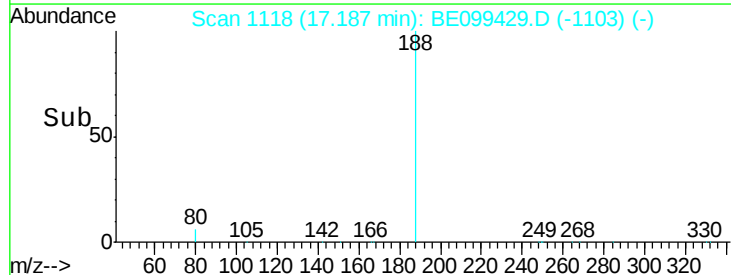
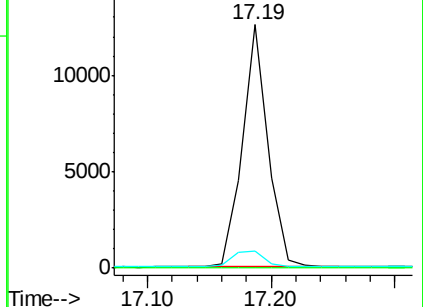
80 6.9 6.7 10.1

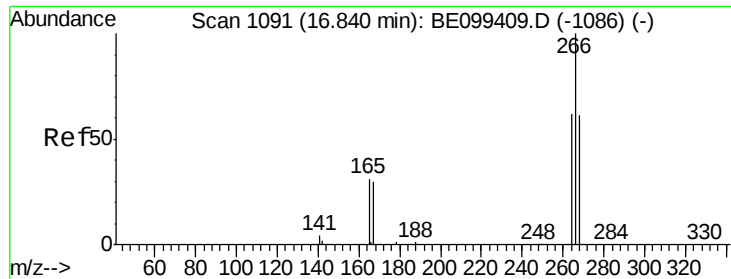


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

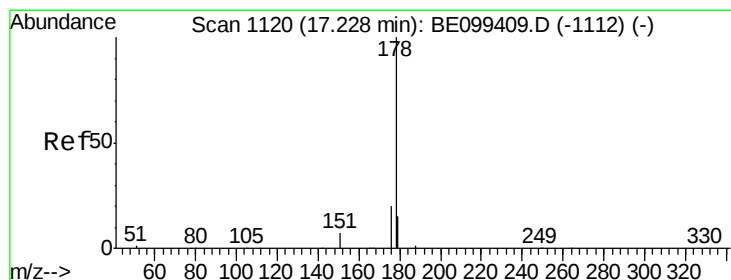
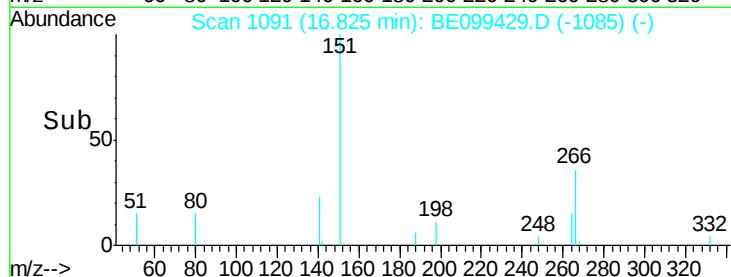
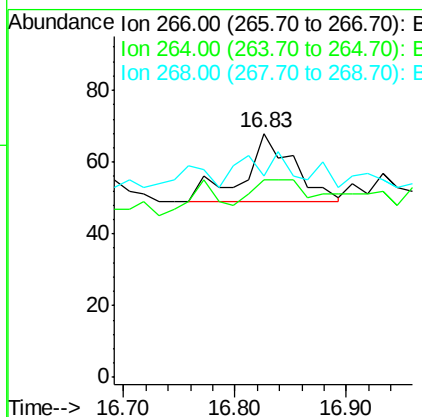
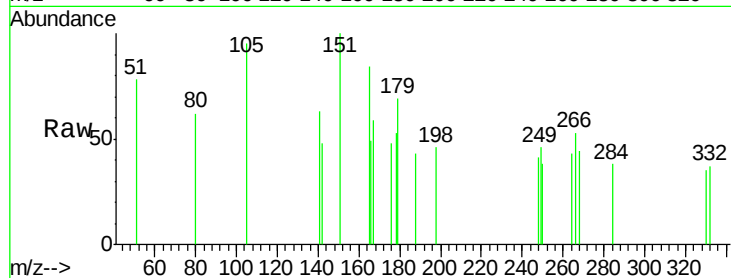




#22
 Pentachlorophenol
 Concen: 0.226 ng
 RT: 16.83 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

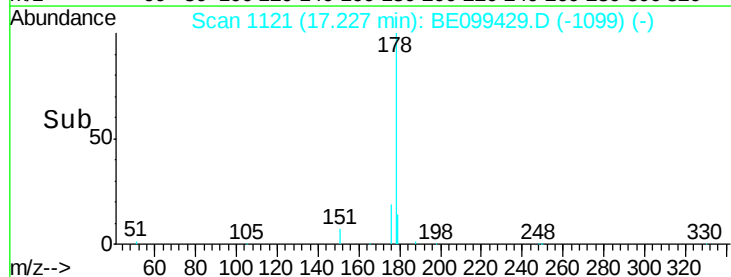
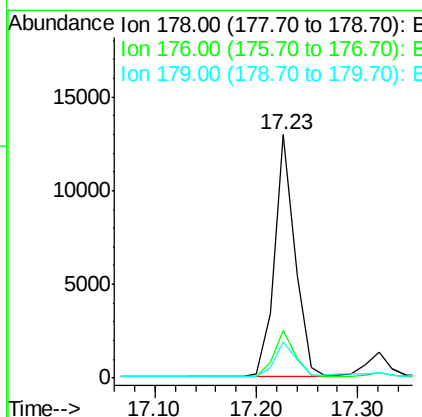
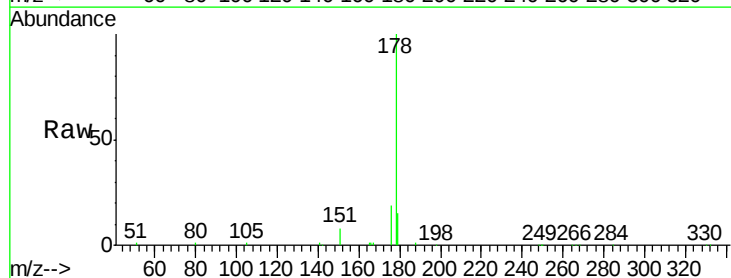
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

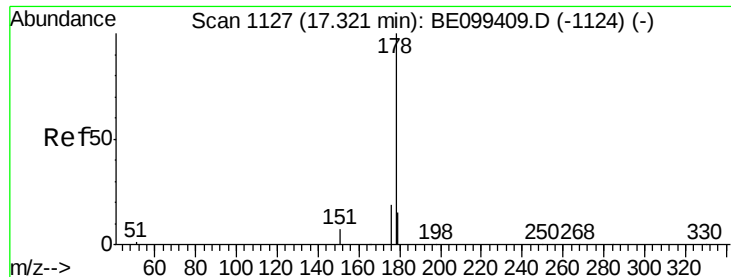
Tot Ion:266 Resp: 59
 Ion Ratio Lower Upper
 266 100
 264 80.9 50.8 76.2#
 268 82.4 50.5 75.7#



#23
 Phenanthrene
 Concen: 0.390 ng
 RT: 17.23 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Tgt Ion:178 Resp: 18114
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 14.8 12.0 18.0





#24

Anthracene

Concen: 0.042 ng

RT: 17.32 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

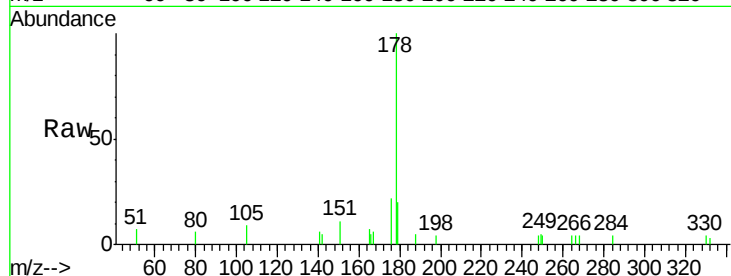
Tot Ion:178 Resp: 1838

Ion Ratio Lower Upper

178 100

176 21.1 14.9 22.3

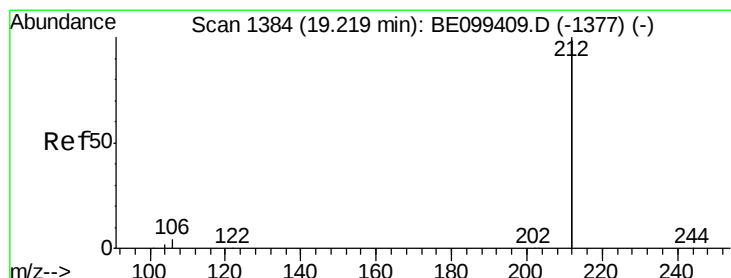
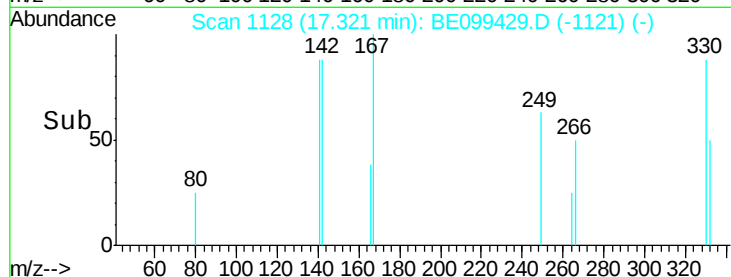
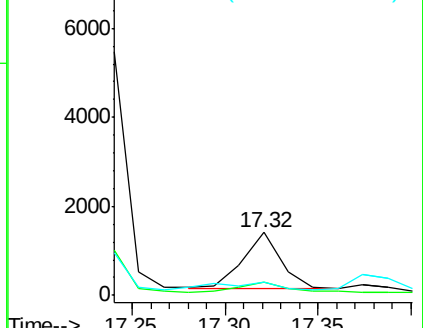
179 23.7 11.9 17.9#



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: 0.351 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

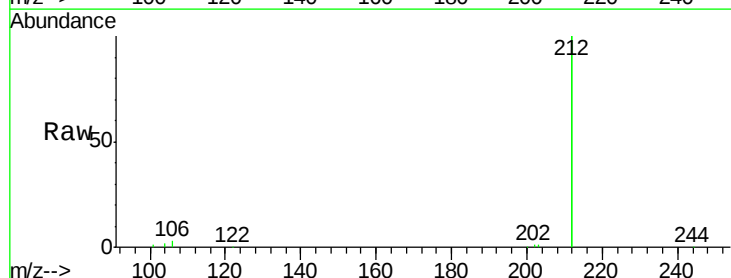
Tgt Ion:212 Resp: 84982

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

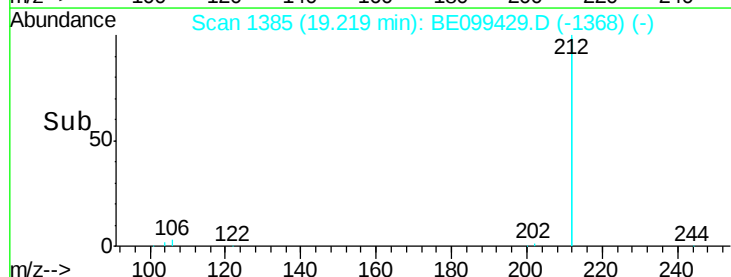
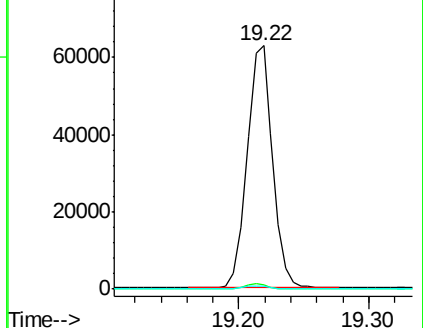
104 1.1 0.9 1.3

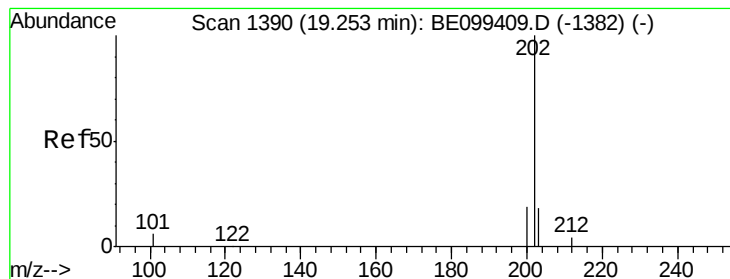


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.904 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

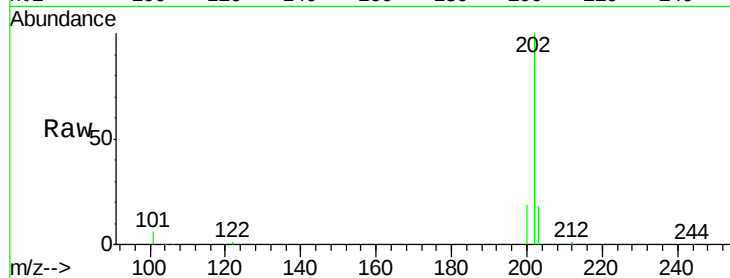
Tot Ion:202 Resp: 62875

Ion Ratio Lower Upper

202 100

101 7.2 5.4 8.0

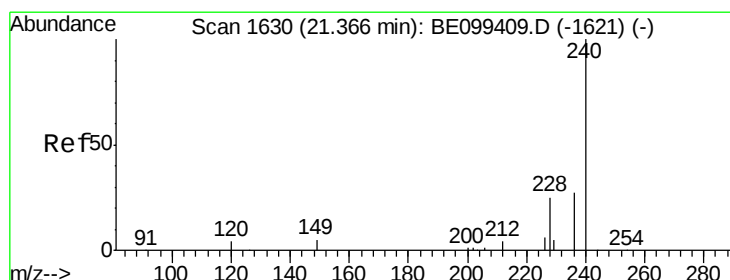
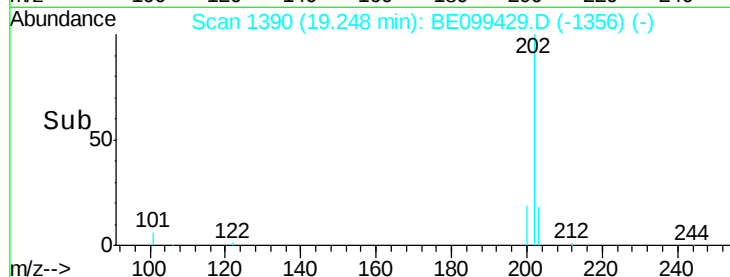
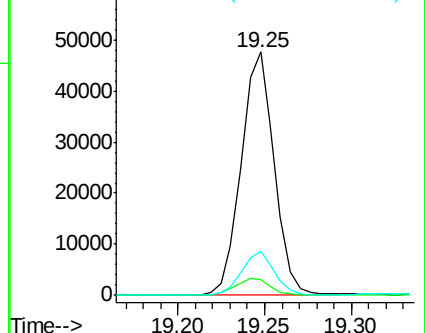
203 17.4 13.9 20.9



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# 1631

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

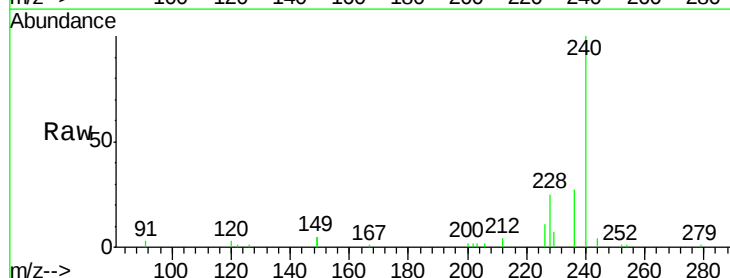
Tgt Ion:240 Resp: 29430

Ion Ratio Lower Upper

240 100

120 3.0 4.0 6.0#

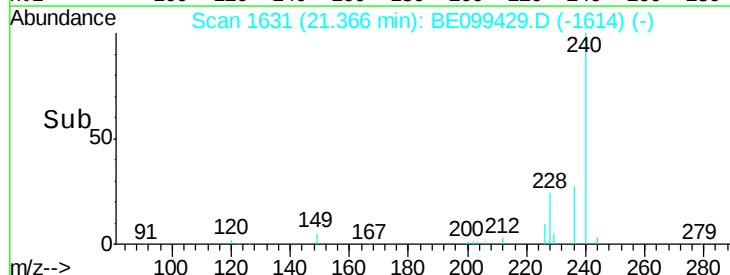
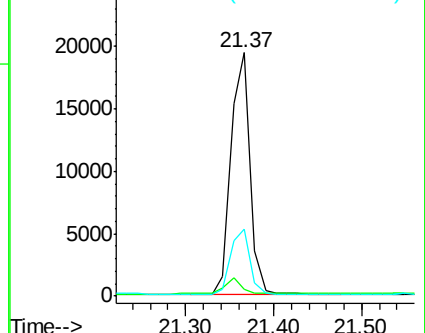
236 27.4 22.0 33.0

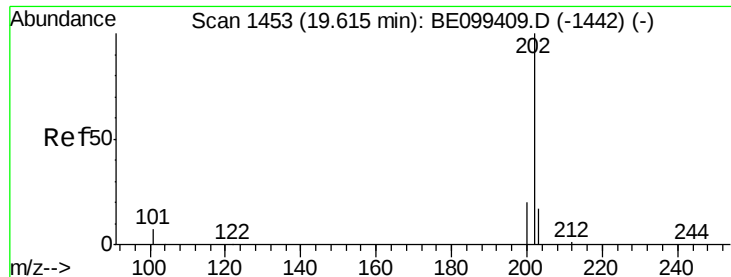


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.754 ng

RT: 19.61 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

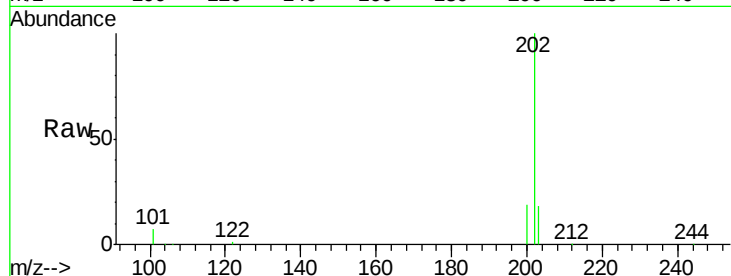
Tot Ion:202 Resp: 57871

Ion Ratio Lower Upper

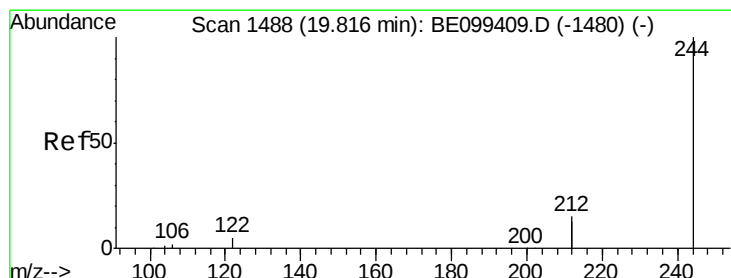
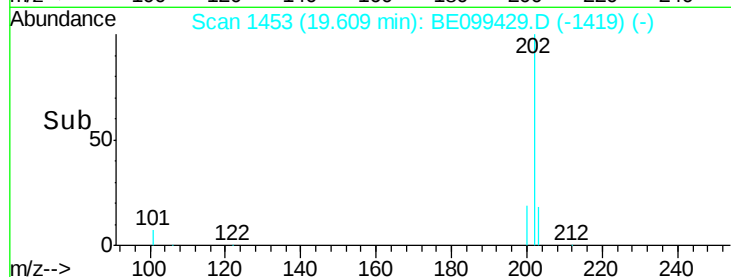
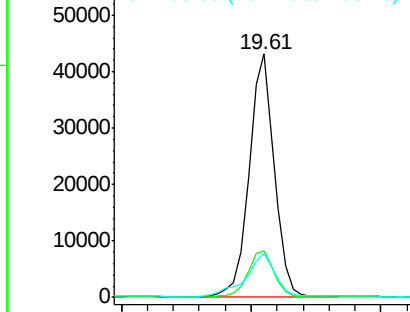
202 100

200 19.7 15.7 23.5

203 21.0 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: 0.342 ng

RT: 19.81 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

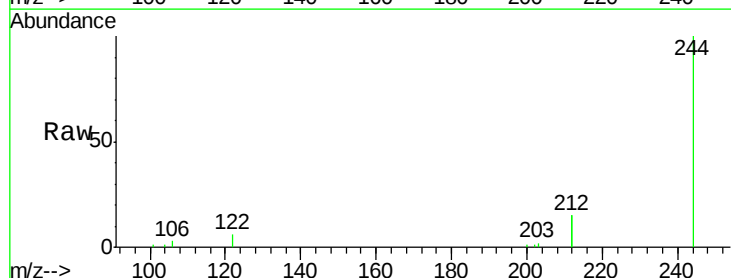
Tgt Ion:244 Resp: 18458

Ion Ratio Lower Upper

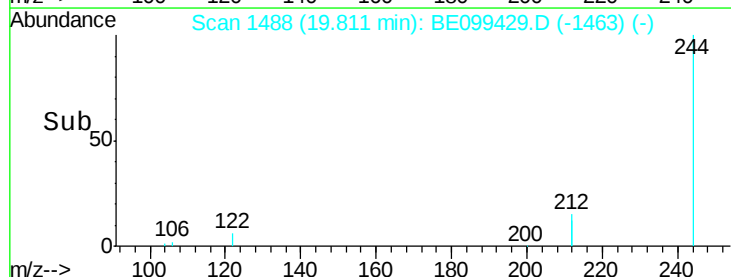
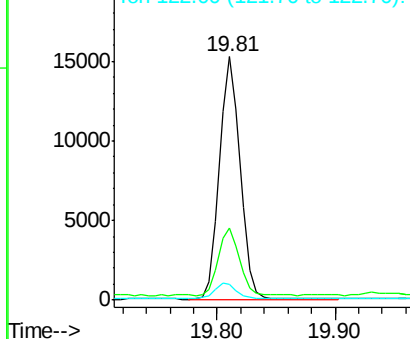
244 100

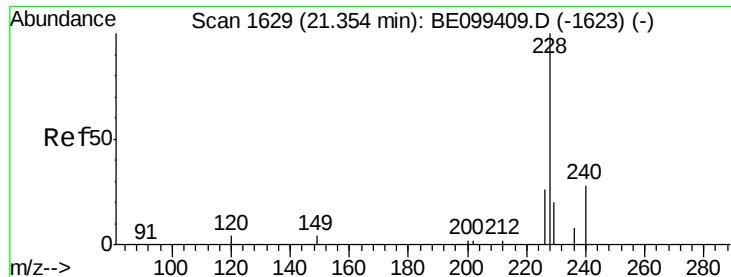
212 29.4 23.2 34.8

122 6.3 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

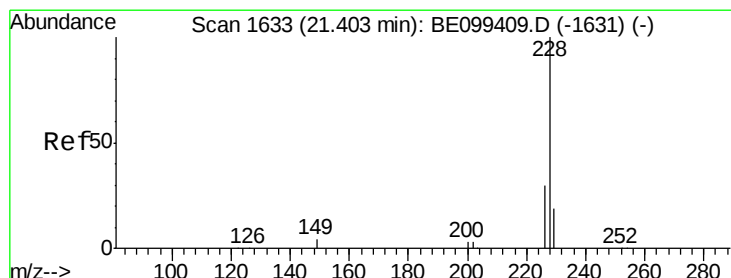
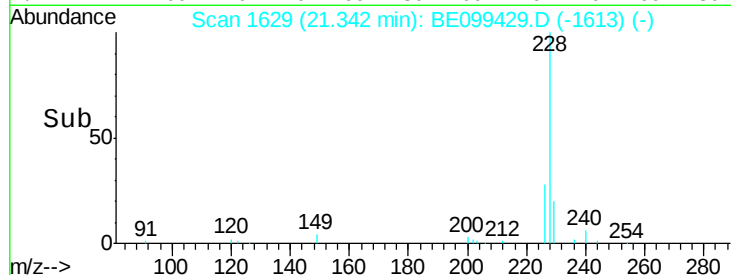
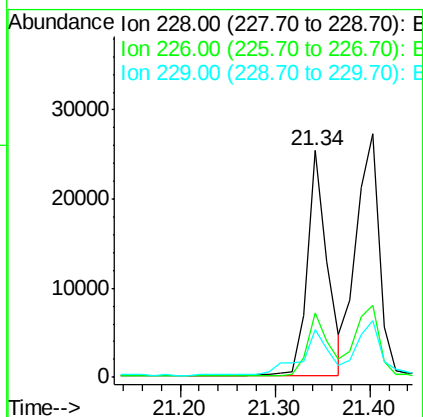
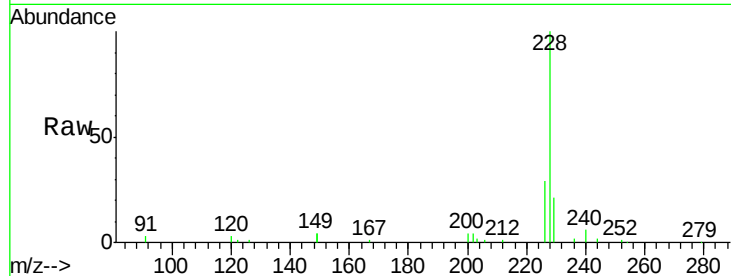




#30
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.34 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

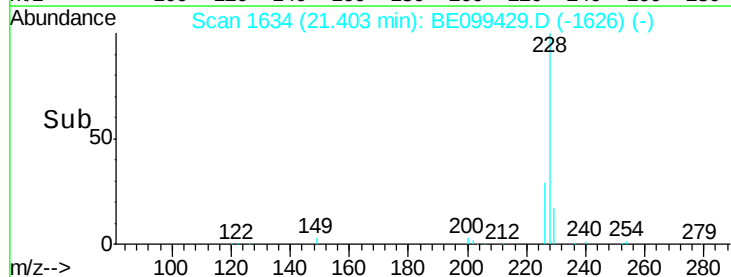
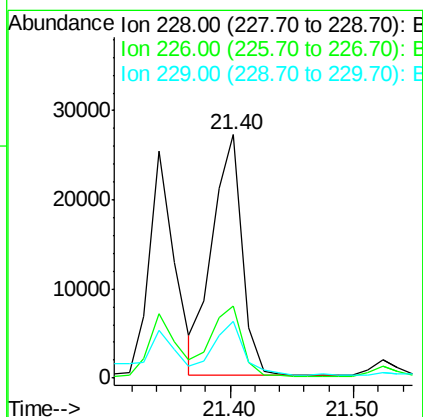
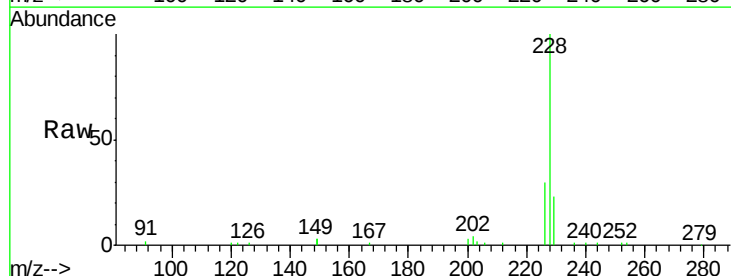
Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

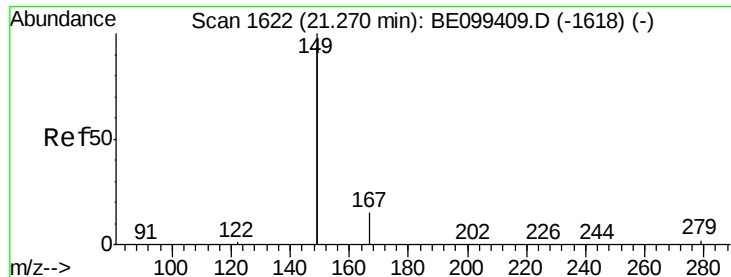
Tot Ion:228 Resp: 36933
Ion Ratio Lower Upper
228 100
226 28.6 21.0 31.6
229 21.2 16.6 25.0



#31
Chrysene
Concen: 0.498 ng
RT: 21.40 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion:228 Resp: 45665
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 23.1 15.8 23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.26 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

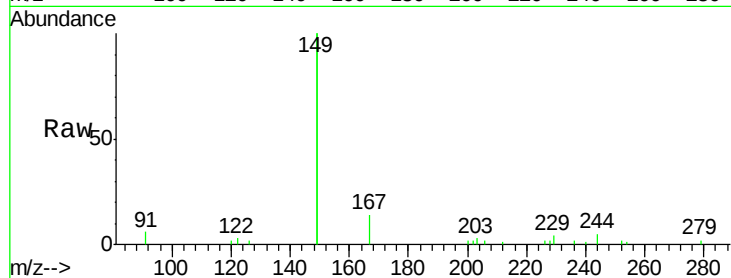
Tot Ion:149 Resp: 28154

Ion Ratio Lower Upper

149 100

167 7.0 5.8 8.6

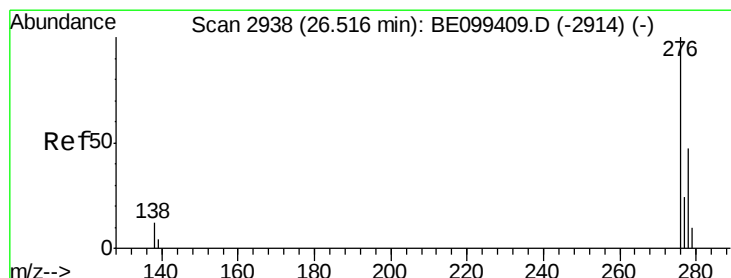
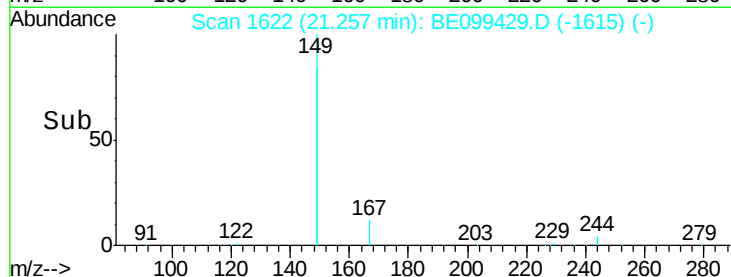
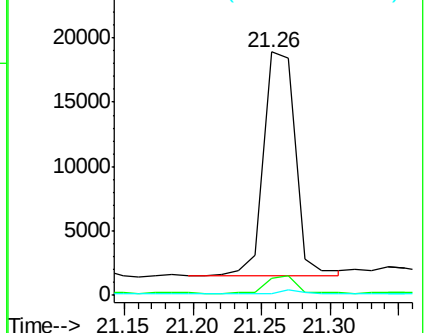
279 1.3 1.0 1.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.02 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

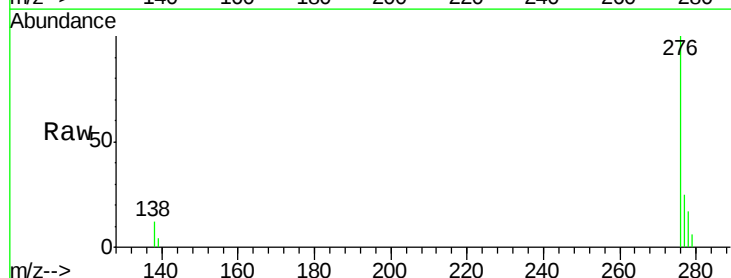
Tgt Ion:276 Resp: 30334

Ion Ratio Lower Upper

276 100

138 11.2 10.2 15.2

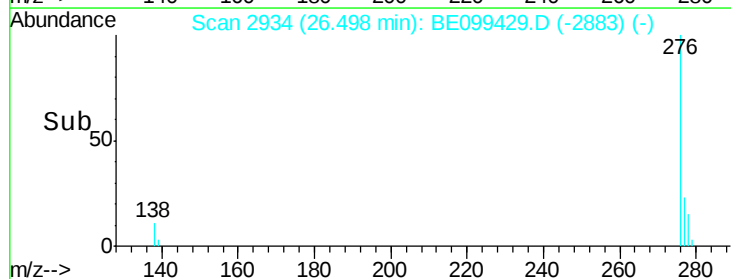
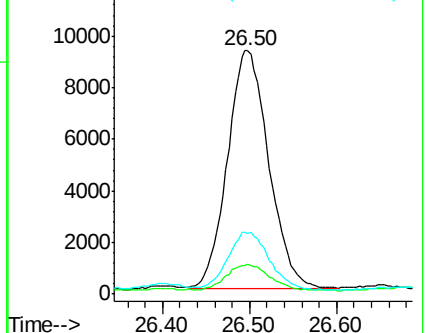
277 24.2 19.2 28.8

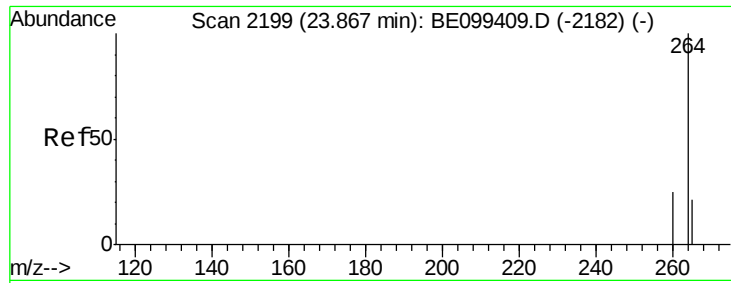


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

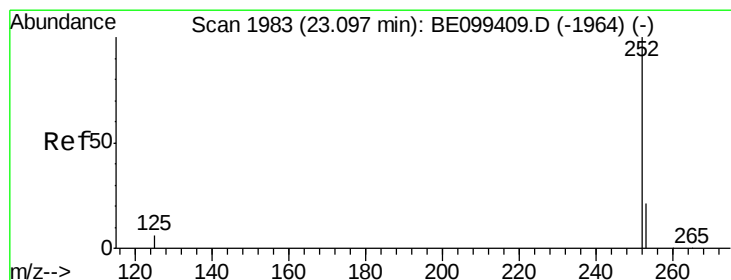
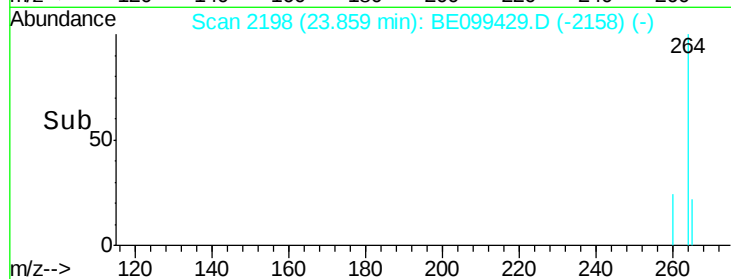
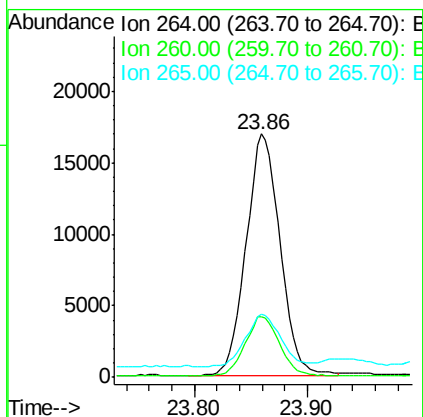
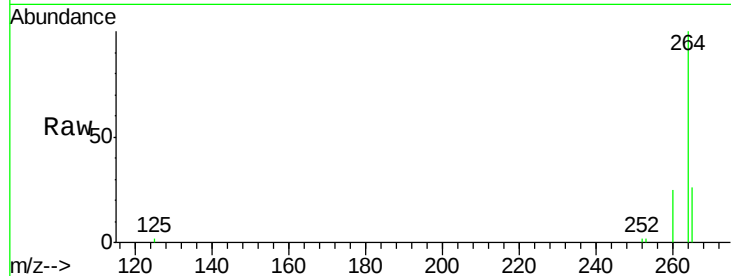




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

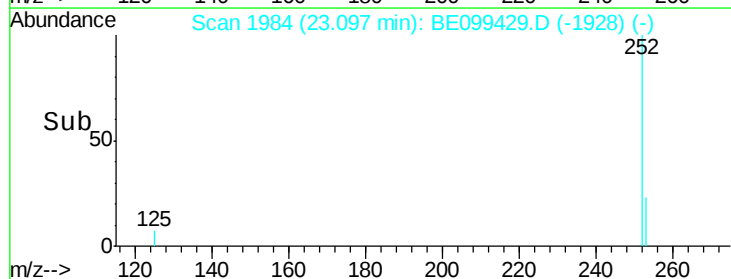
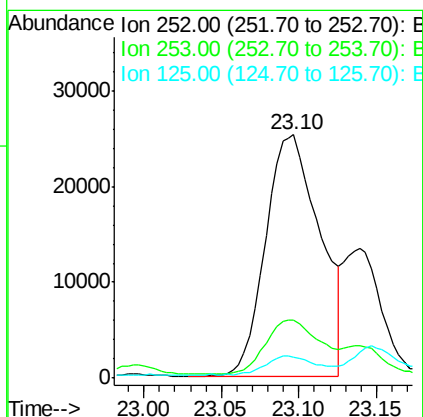
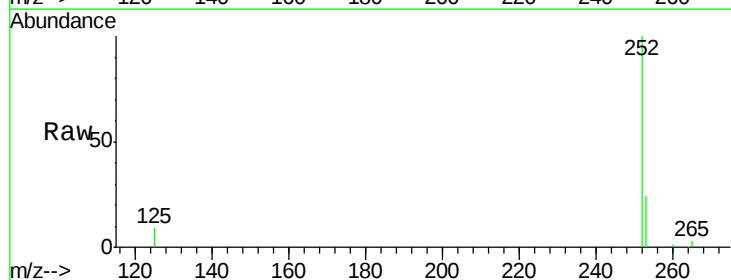
Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

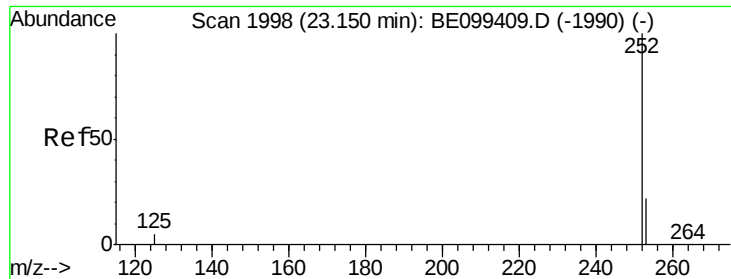
Tot Ion:264 Resp: 35315
Ion Ratio Lower Upper
264 100
260 24.8 20.2 30.2
265 25.9 21.3 31.9



#35
Benzo(b)fluoranthene
Concen: 0.600 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion:252 Resp: 61133
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 8.7 5.6 8.4#

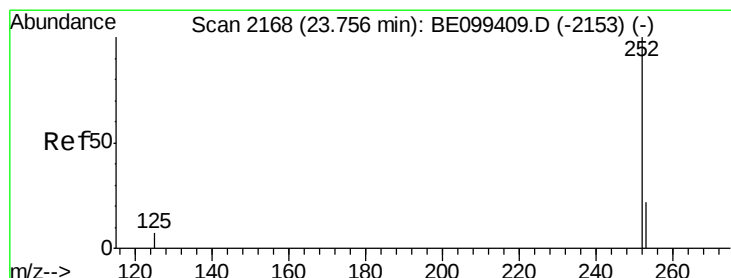
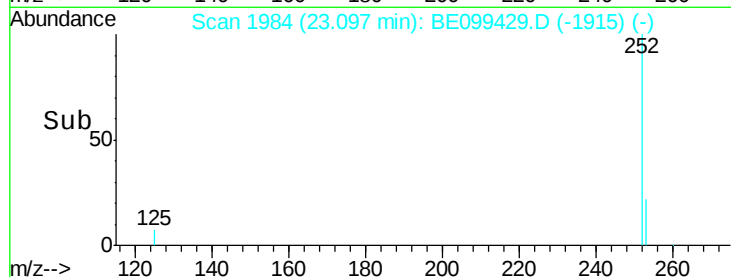
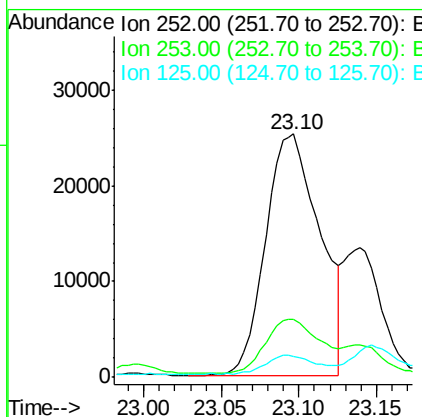
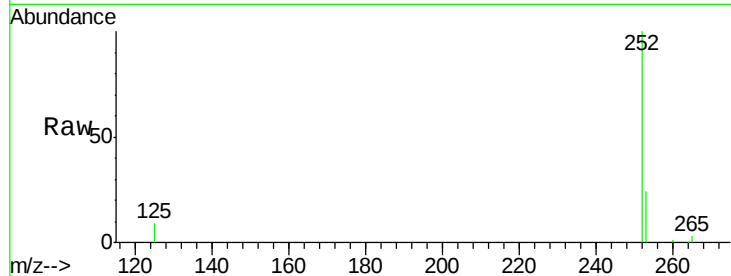




#36
Benzo(k)fluoranthene
Concen: 0.623 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.05 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

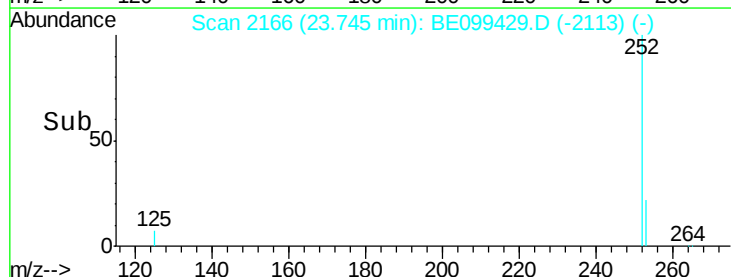
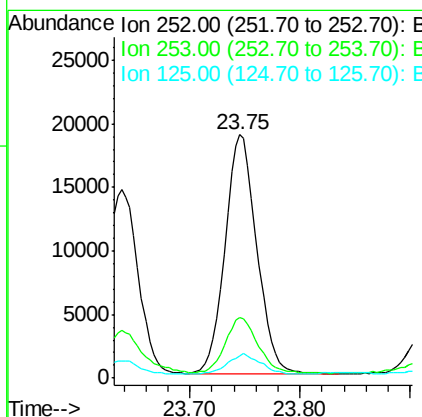
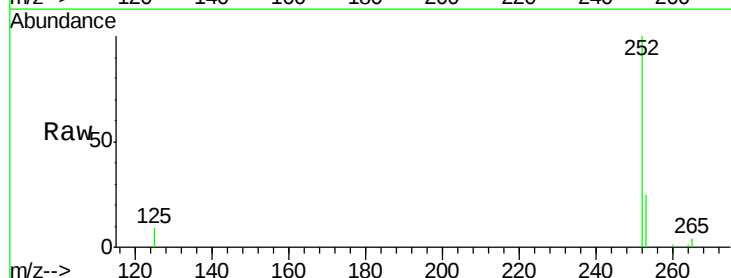
Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

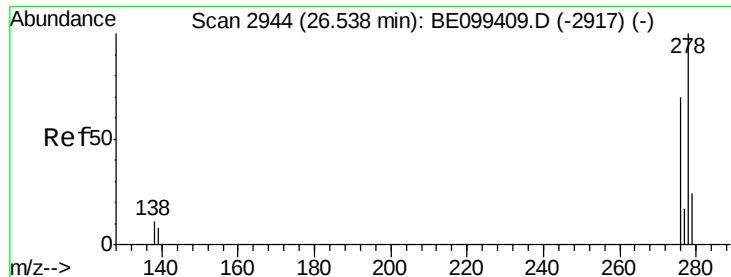
Tot Ion:252 Resp: 61133
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 8.7 5.0 7.4#



#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion:252 Resp: 37938
Ion Ratio Lower Upper
252 100
253 24.7 18.9 28.3
125 9.2 6.7 10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.043 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.02 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

ClientSampleId :

PST-004-B202-042319

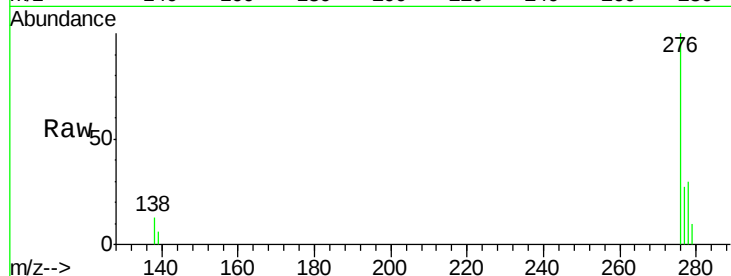
Tot Ion:278 Resp: 4232

Ion Ratio Lower Upper

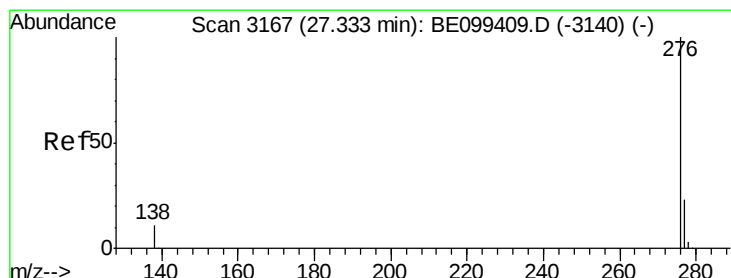
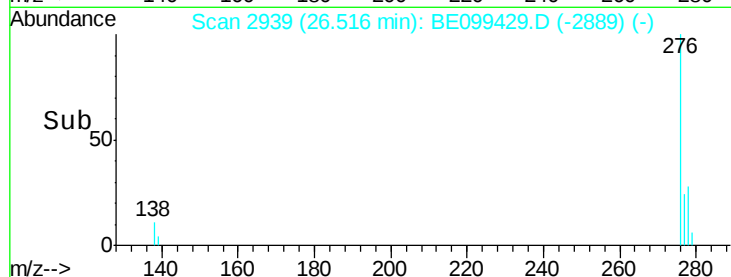
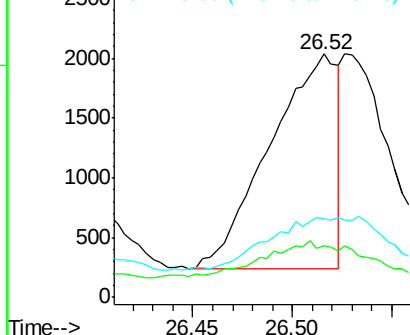
278 100

139 21.2 7.7 11.5#

279 32.1 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.304 ng

RT: 27.31 min Scan# 3163

Delta R.T. -0.02 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

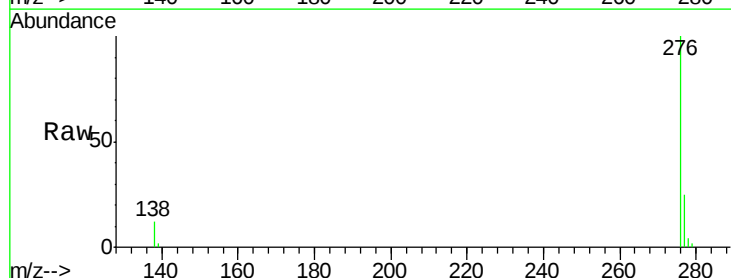
Tgt Ion:276 Resp: 30012

Ion Ratio Lower Upper

276 100

277 25.2 19.5 29.3

138 11.7 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

