

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
 Data File : BE099428.D
 Acq On : 30 Apr 2019 16:09
 Operator : JU/SJ
 Sample : K2587-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B164-042319

Quant Time: Apr 30 23:58:28 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	2461	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8437	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5714	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17634	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29876	0.40	ng	0.00
34) Perylene-d12	23.86	264	35737	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2651	0.39	ng	0.00
5) Phenol-d6	6.97	99	3781	0.42	ng	0.00
8) Nitrobenzene-d5	8.96	82	2917	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	5277	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1326	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7827	0.36	ng	-0.01
25) Fluoranthene-d10	19.22	212	87943	0.37	ng	0.00
29) Terphenyl-d14	19.81	244	18465	0.34	ng	0.00

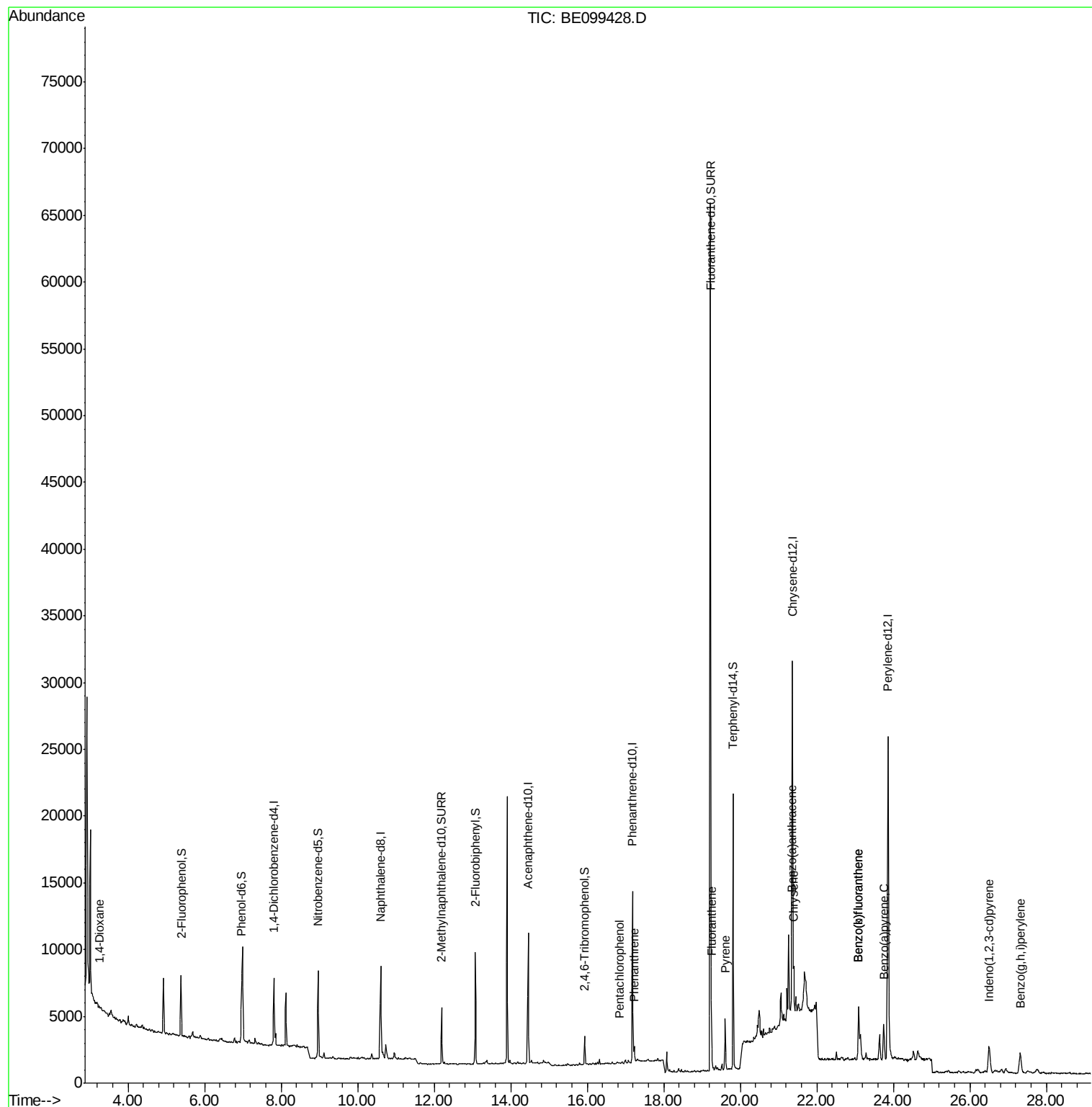
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	209	0.062	ng	# 27
22) Pentachlorophenol	16.84	266	55	0.225	ng	# 58
23) Phenanthrene	17.23	178	1099	0.024	ng	# 93
26) Fluoranthene	19.25	202	3495	0.051	ng	# 97
28) Pyrene	19.61	202	3614	0.046	ng	# 93
30) Benzo(a)anthracene	21.34	228	3040	0.032	ng	# 84
31) Chrysene	21.40	228	3663	0.039	ng	# 92
33) Indeno(1,2,3-cd)pyrene	26.50	276	3874	0.035	ng	# 80
35) Benzo(b)fluoranthene	23.09	252	6411	0.062	ng	# 52
36) Benzo(k)fluoranthene	23.09	252	6411	0.065	ng	# 53
37) Benzo(a)pyrene	23.75	252	4122	0.042	ng	# 57
39) Benzo(g,h,i)perylene	27.32	276	3923	0.039	ng	# 82

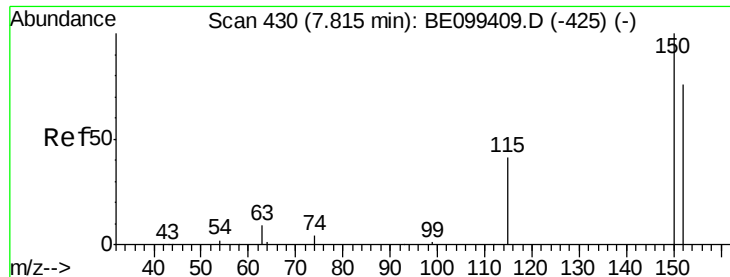
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE043019\
Data File : BE099428.D
Acq On : 30 Apr 2019 16:09
Operator : JU/SJ
Sample : K2587-18
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

Quant Time: Apr 30 23:58:28 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

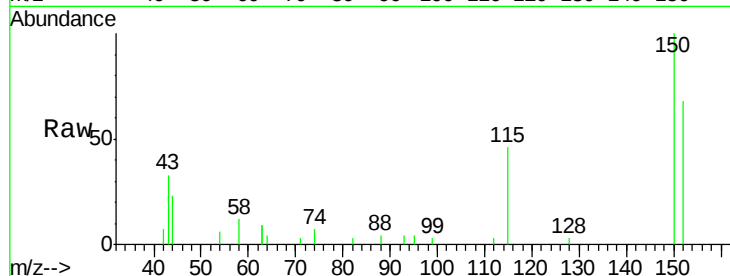
Tot Ion:152 Resp: 2461

Ion Ratio Lower Upper

152 100

150 146.5 104.8 157.2

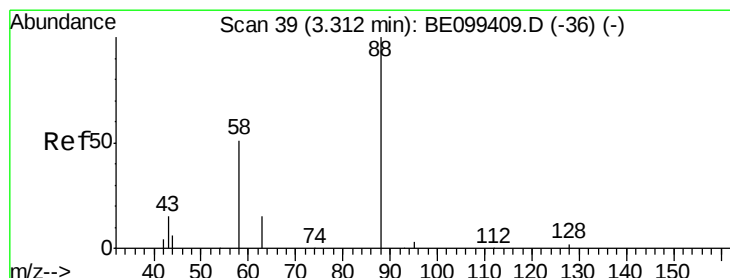
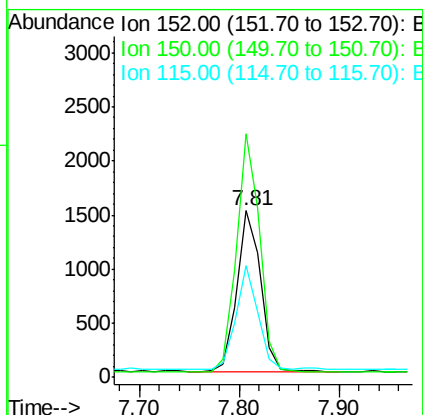
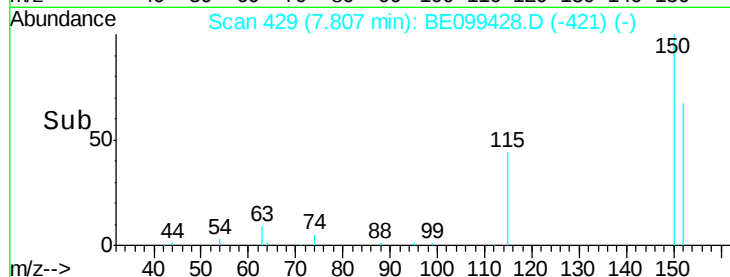
115 67.2 46.6 69.8



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



#2

1,4-Dioxane

Concen: 0.062 ng

RT: 3.26 min Scan# 34

Delta R.T. -0.05 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

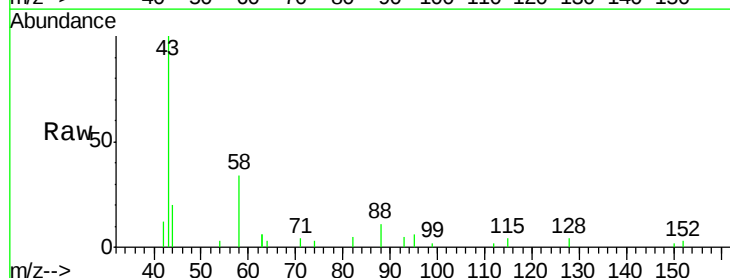
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

58 0.0 51.0 76.6#

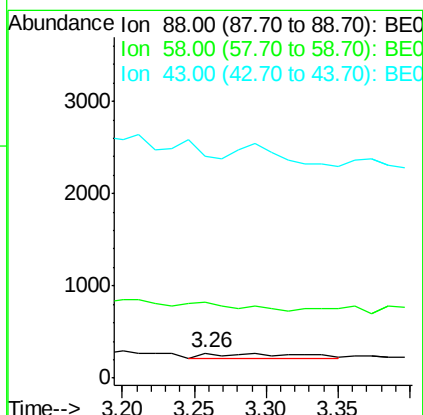
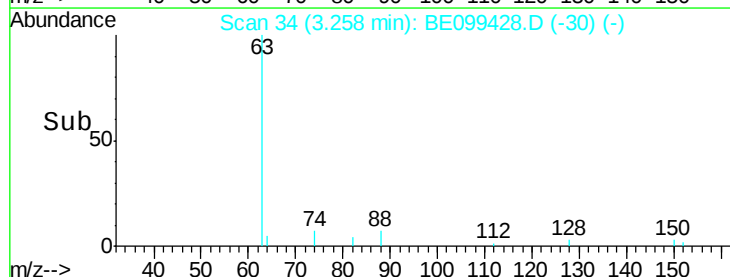
43 0.0 20.6 30.8#

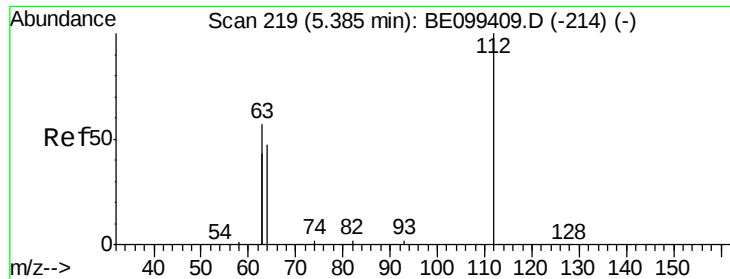


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.390 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

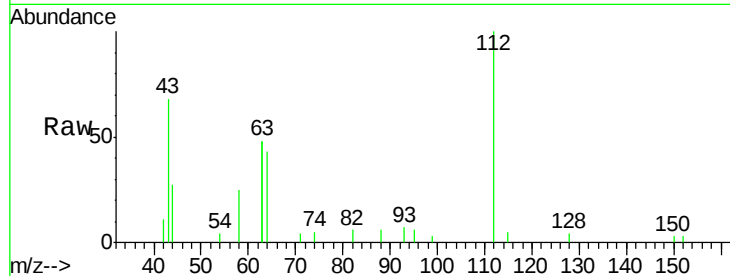
Tot Ion:112 Resp: 2651

Ion Ratio Lower Upper

112 100

64 54.8 47.4 71.0

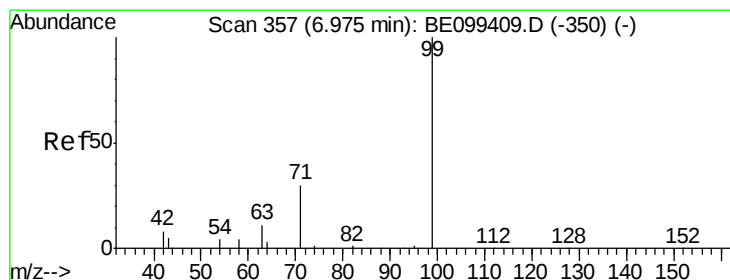
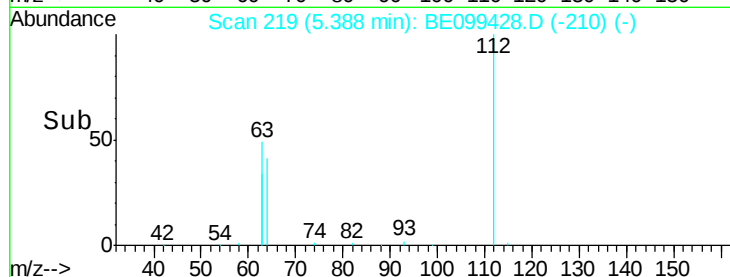
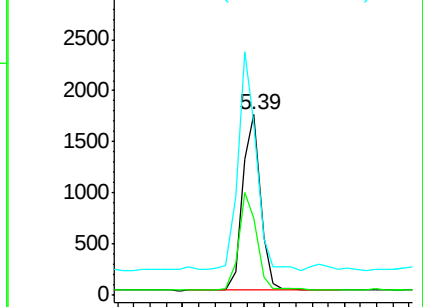
63 126.4 104.3 156.5



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: 0.418 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

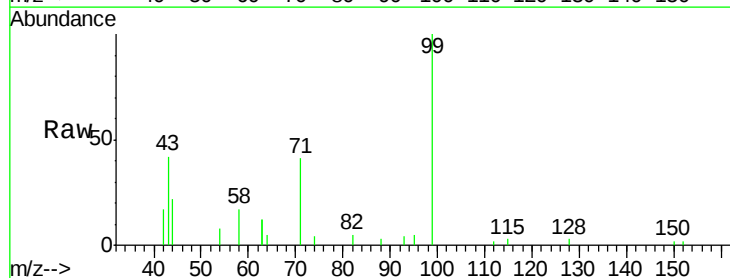
Tgt Ion: 99 Resp: 3781

Ion Ratio Lower Upper

99 100

42 19.3 14.9 22.3

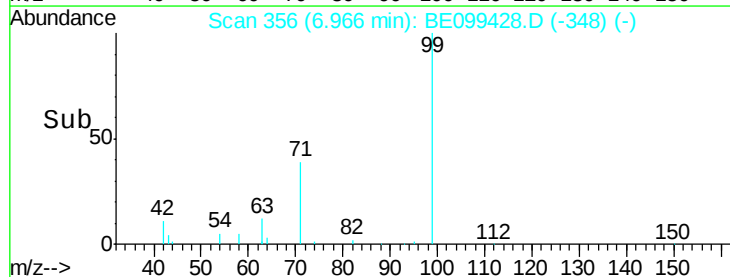
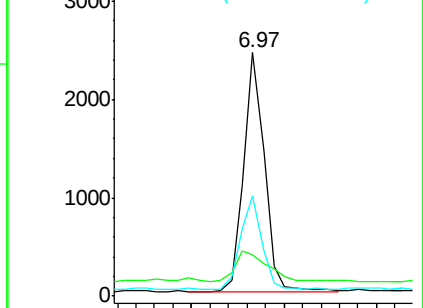
71 40.0 33.0 49.6

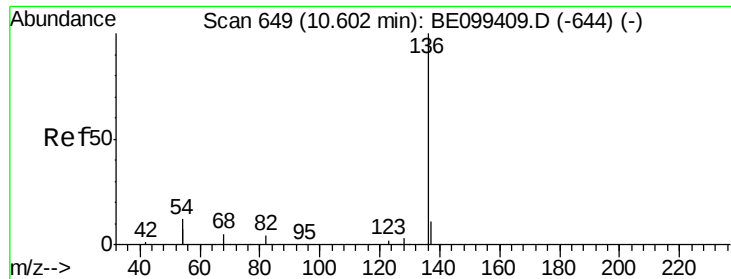


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

Tot Ion:136 Resp: 8437

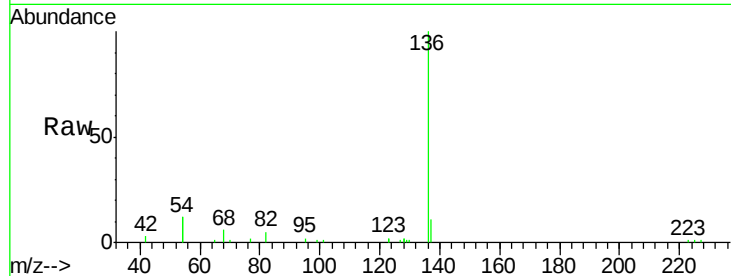
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 23.3 18.5 27.7

68 6.2 4.7 7.1

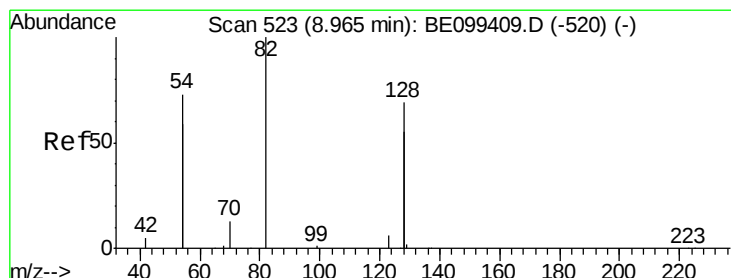
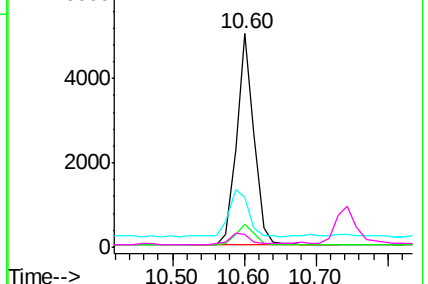
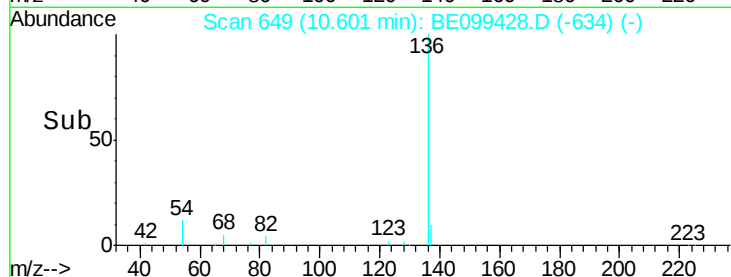


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.369 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

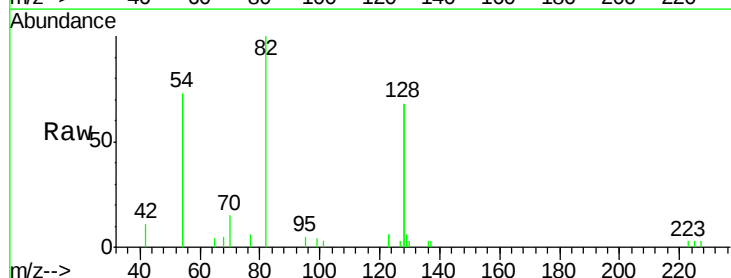
Tgt Ion: 82 Resp: 2917

Ion Ratio Lower Upper

82 100

128 135.9 107.0 160.4

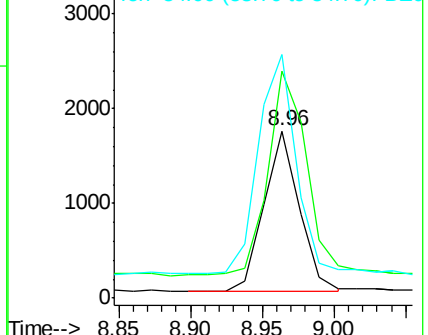
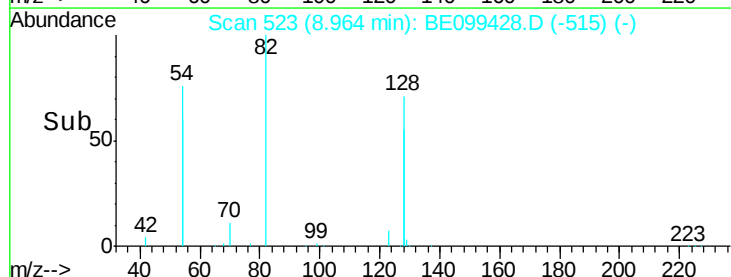
54 145.6 113.1 169.7

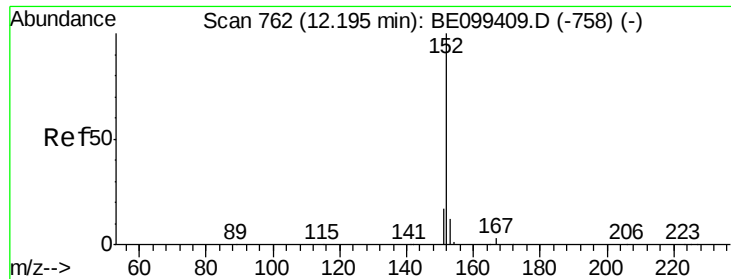


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

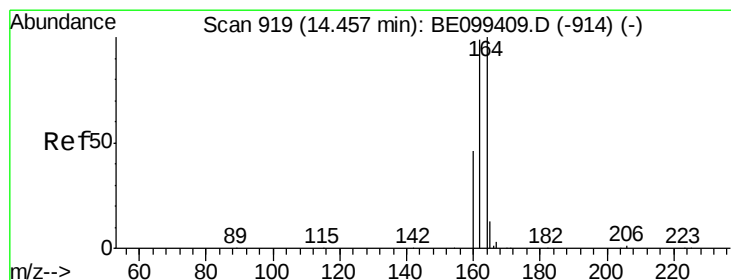
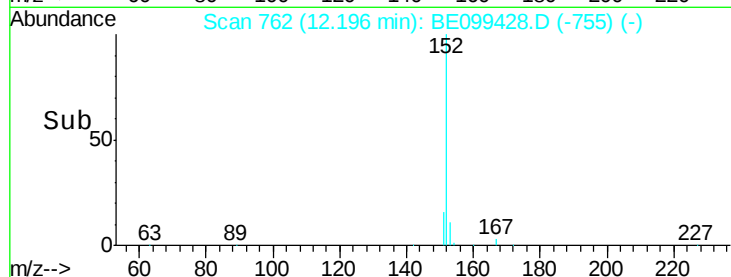
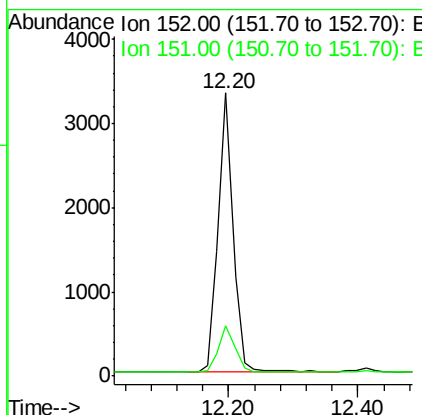
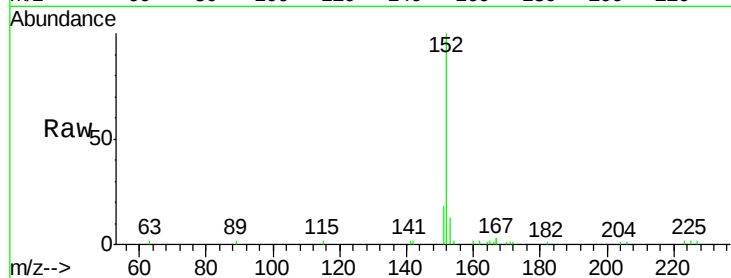




#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

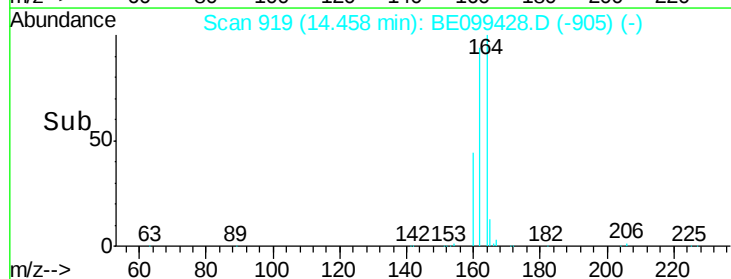
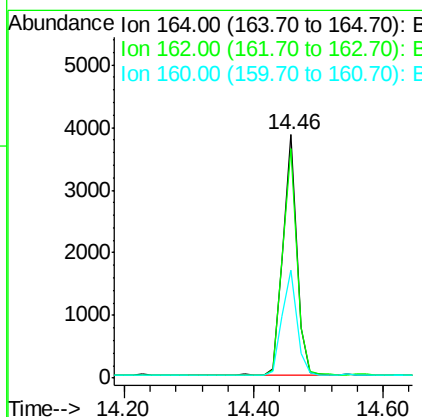
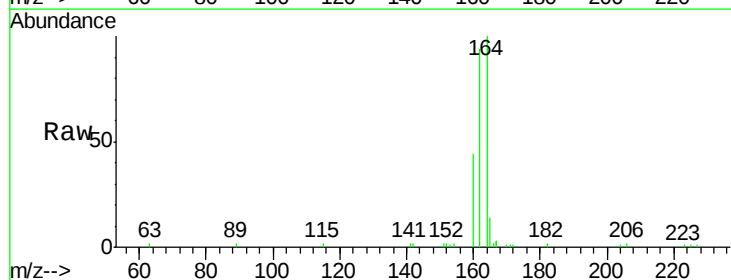
Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

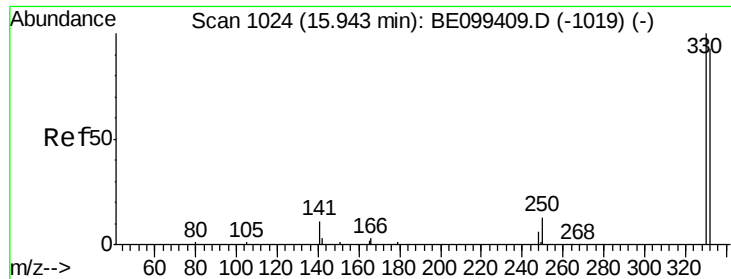
Tot Ion:152 Resp: 5277
Ion Ratio Lower Upper
152 100
151 18.7 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion:164 Resp: 5714
Ion Ratio Lower Upper
164 100
162 94.1 79.0 118.4
160 44.3 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.368 ng

RT: 15.93 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

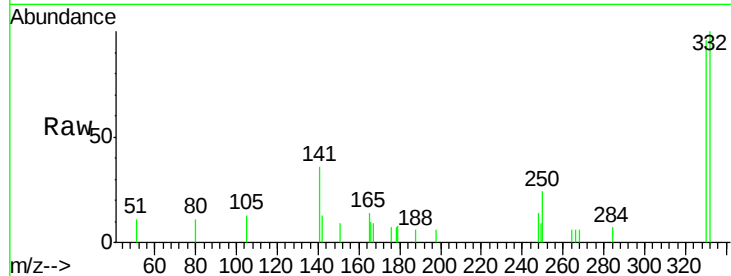
Tot Ion:330 Resp: 1326

Ion Ratio Lower Upper

330 100

332 102.9 71.5 107.3

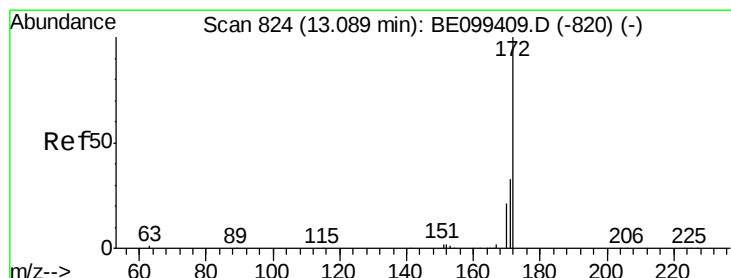
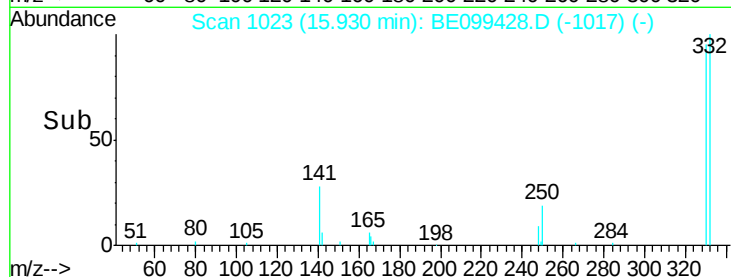
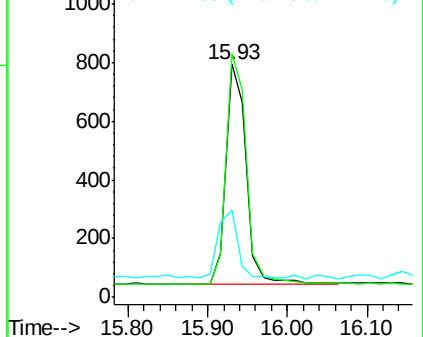
141 29.8 24.0 36.0



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: 0.359 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

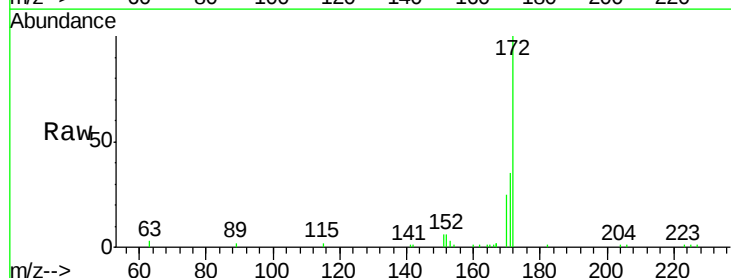
Tgt Ion:172 Resp: 7827

Ion Ratio Lower Upper

172 100

171 35.4 26.6 39.8

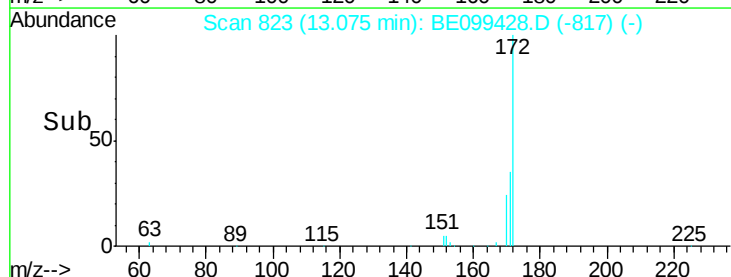
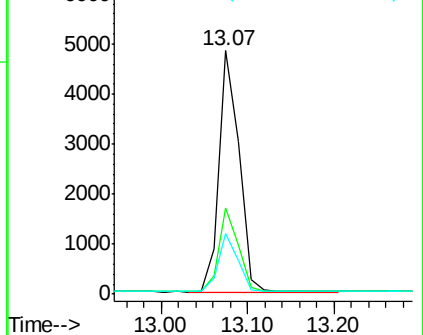
170 24.8 17.0 25.6

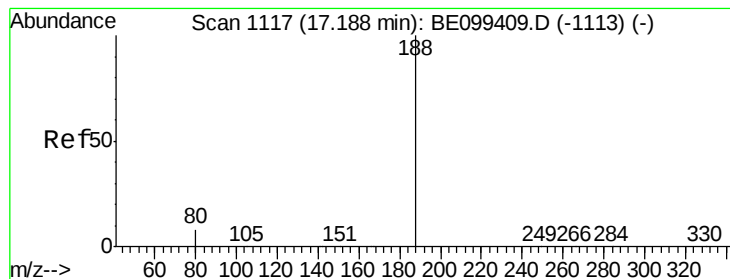


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

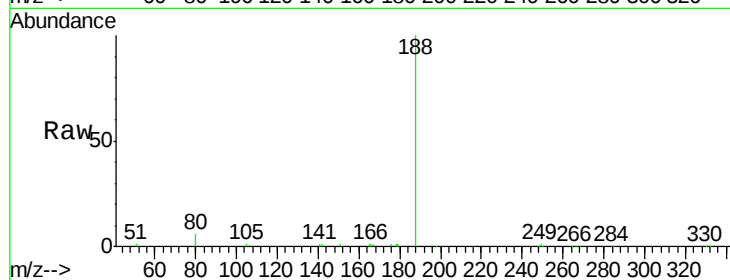
Tot Ion:188 Resp: 17634

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.1 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

17.19

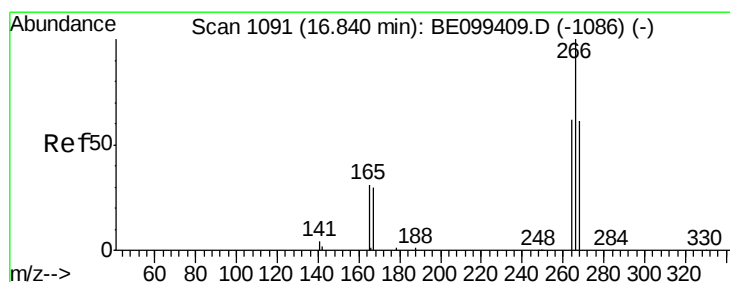
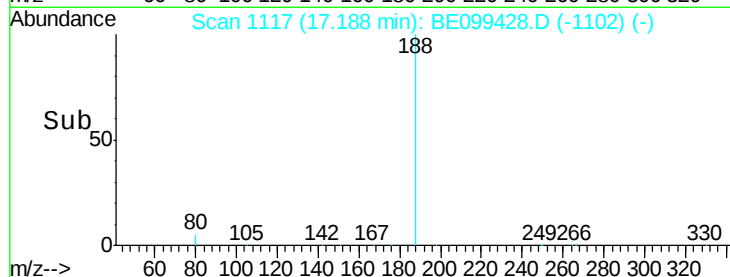
10000

5000

0

17.20 17.40

Time-->



#22

Pentachlorophenol

Concen: 0.225 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

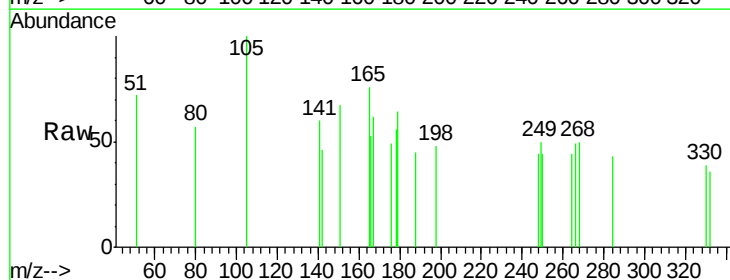
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

264 90.0 50.8 76.2#

268 101.7 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

16.84

80

60

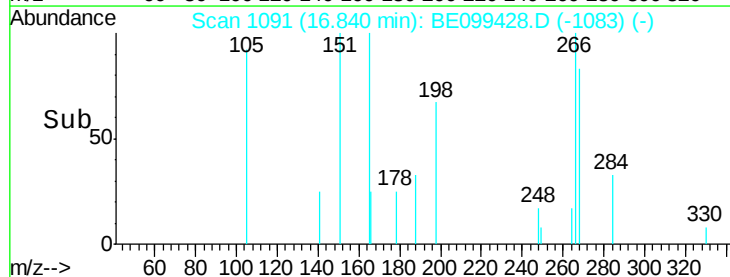
40

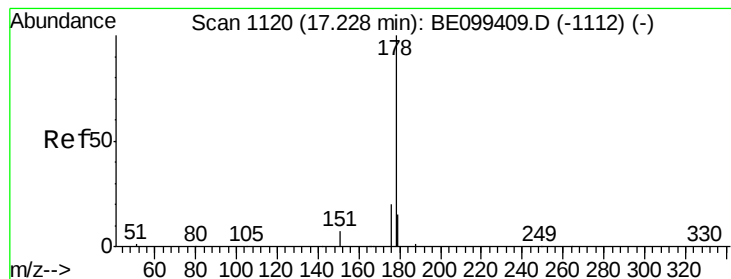
20

0

16.80 16.90

Time-->





#23

Phenanthrene

Concen: 0.024 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

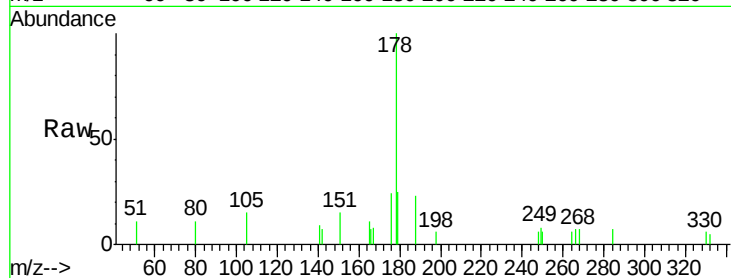
Tot Ion:178 Resp: 1099

Ion Ratio Lower Upper

178 100

176 20.1 15.6 23.4

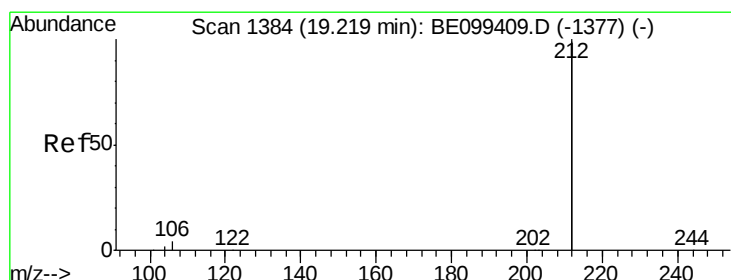
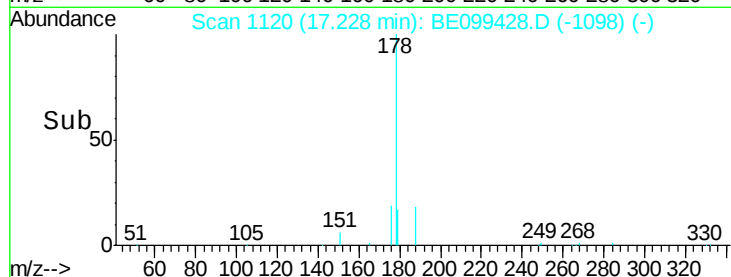
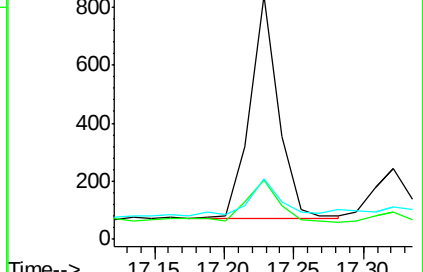
179 20.6 12.0 18.0#



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: 0.370 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

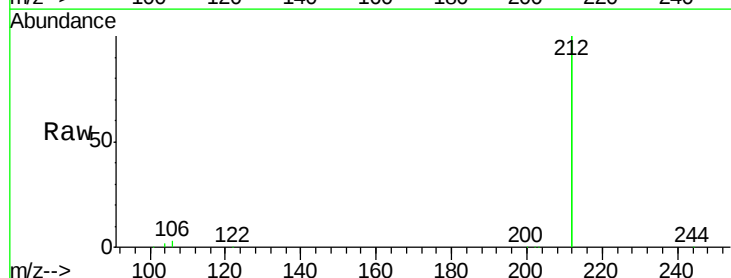
Tgt Ion:212 Resp: 87943

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

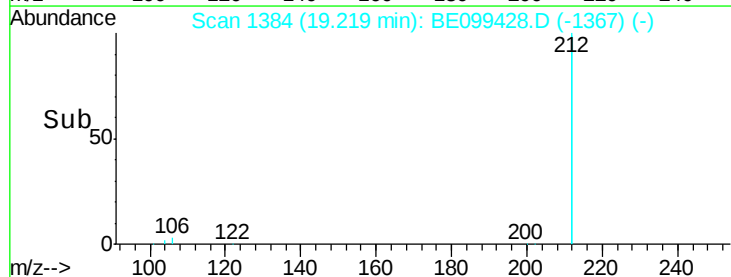
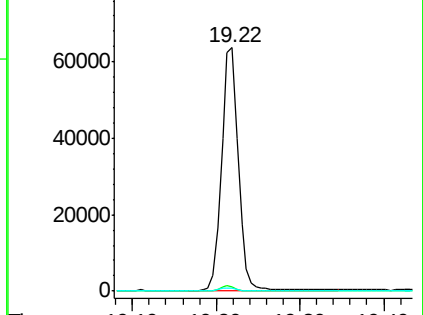
104 1.2 0.9 1.3

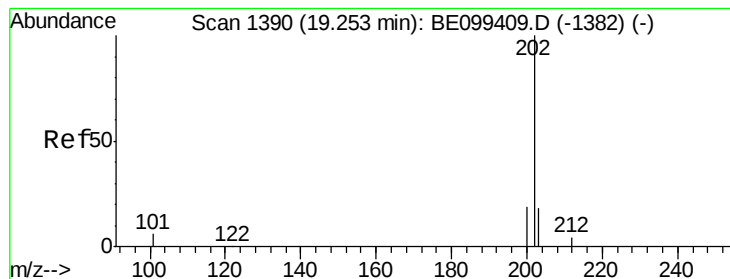


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.051 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

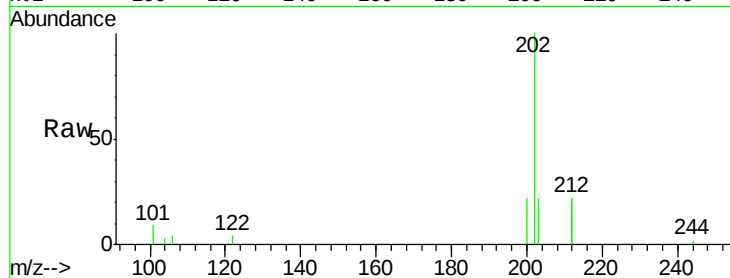
Tot Ion:202 Resp: 3495

Ion Ratio Lower Upper

202 100

101 8.1 5.4 8.0#

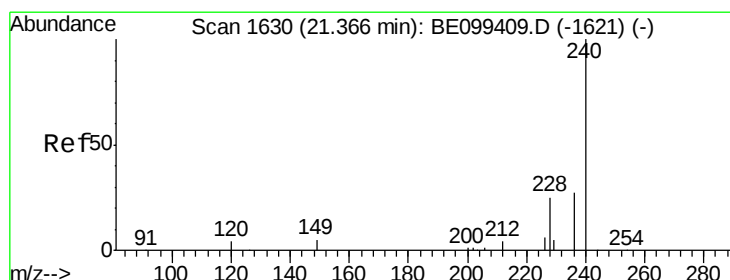
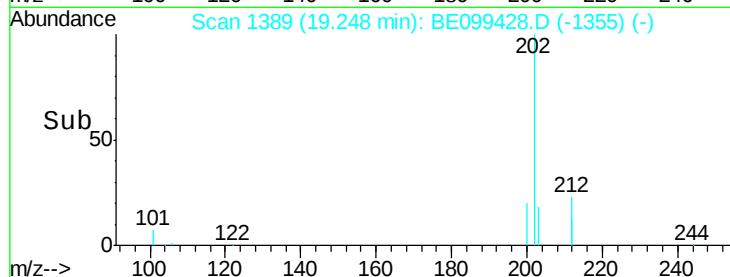
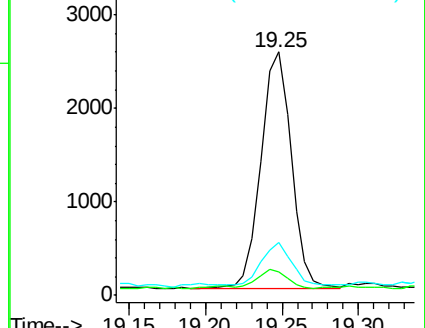
203 18.3 13.9 20.9



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: BE099428.D

Acq: 30 Apr 2019 16:09

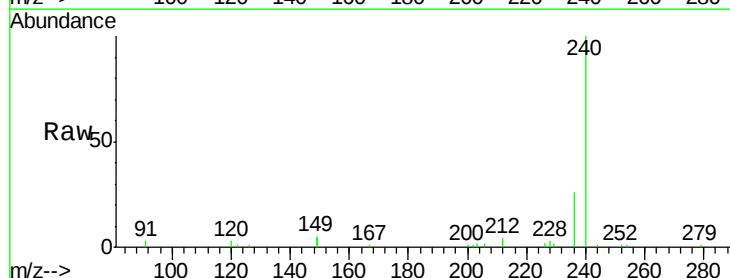
Tgt Ion:240 Resp: 29876

Ion Ratio Lower Upper

240 100

120 2.9 4.0 6.0#

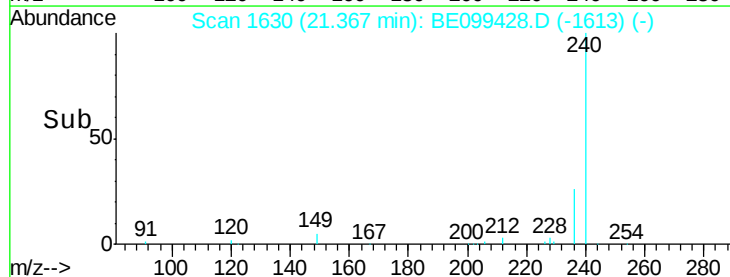
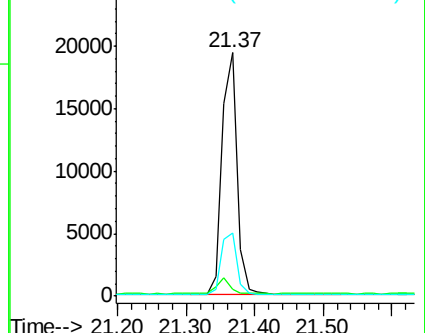
236 26.2 22.0 33.0

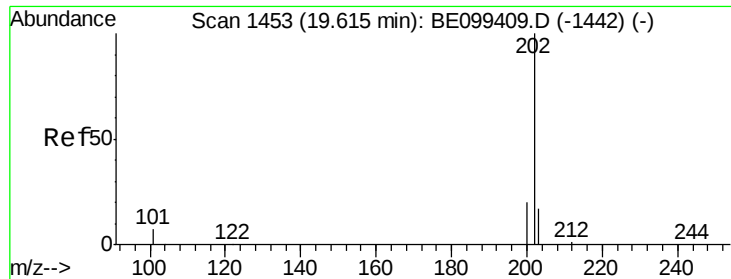


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

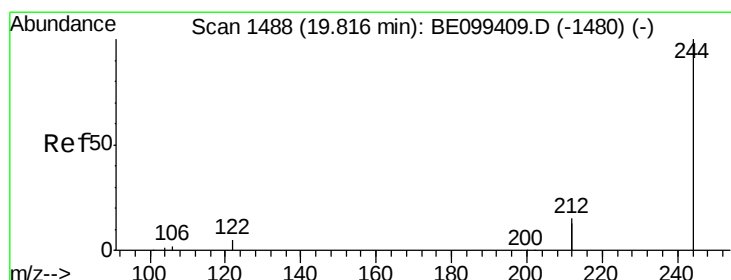
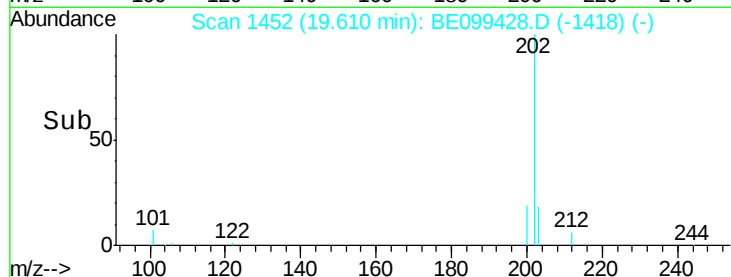
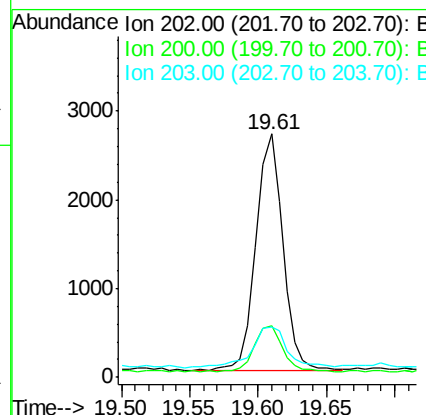
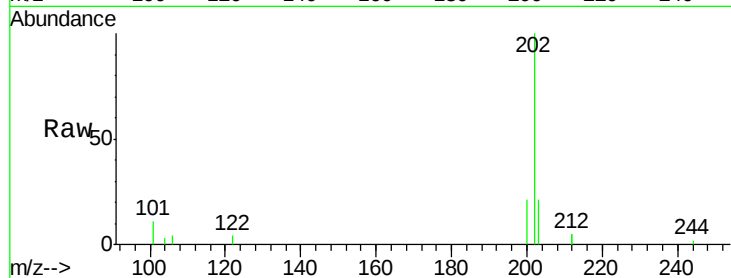




#28
Pvrene
Concen: 0.046 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

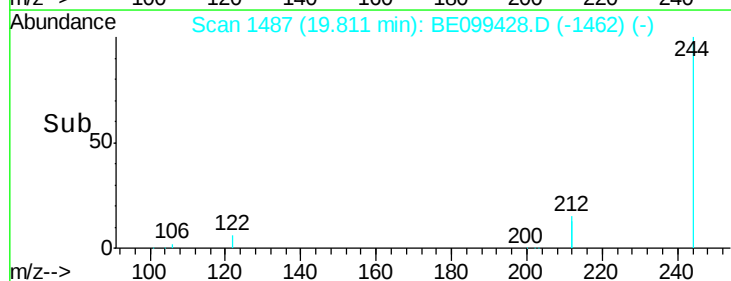
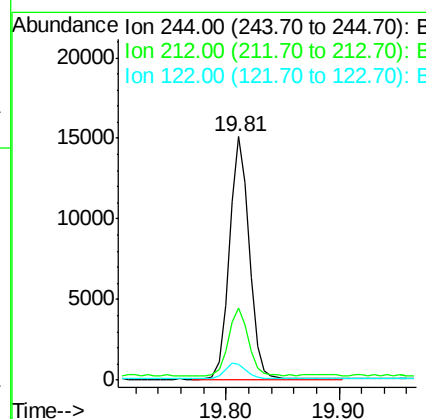
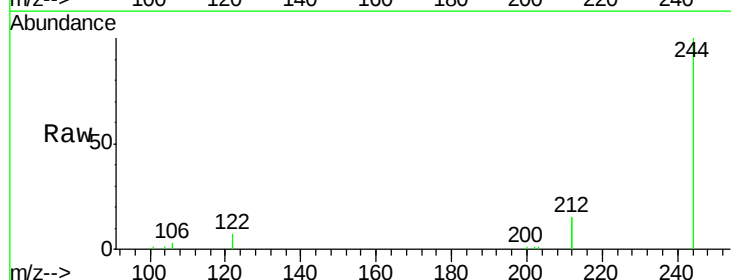
Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

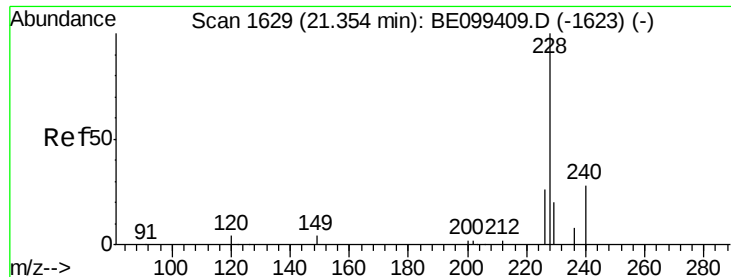
Tot Ion:202 Resp: 3614
Ion Ratio Lower Upper
202 100
200 20.3 15.7 23.5
203 23.5 13.9 20.9#



#29
Terphenyl-d14
Concen: 0.337 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion:244 Resp: 18465
Ion Ratio Lower Upper
244 100
212 29.8 23.2 34.8
122 6.6 4.2 6.4#

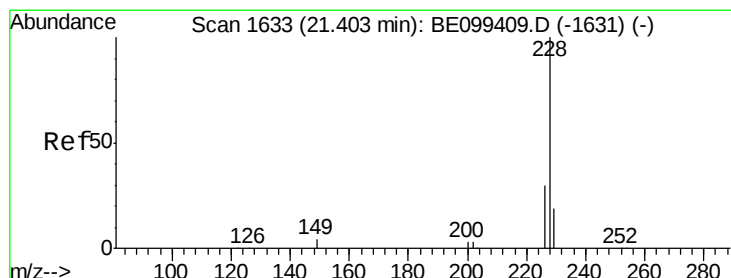
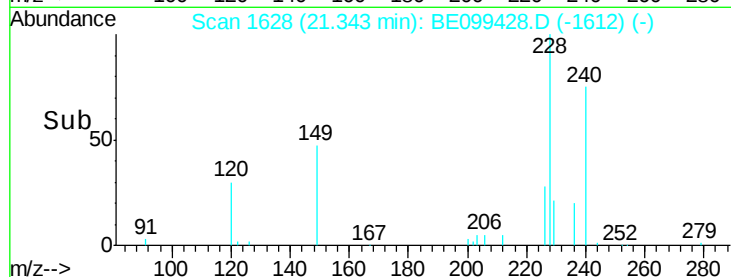
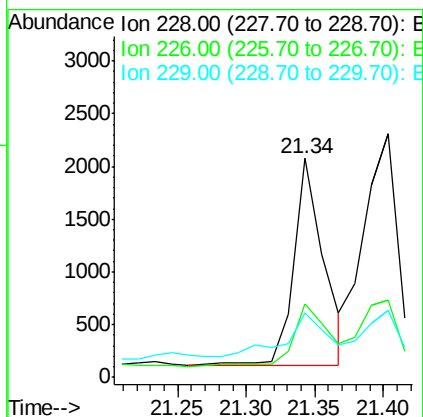
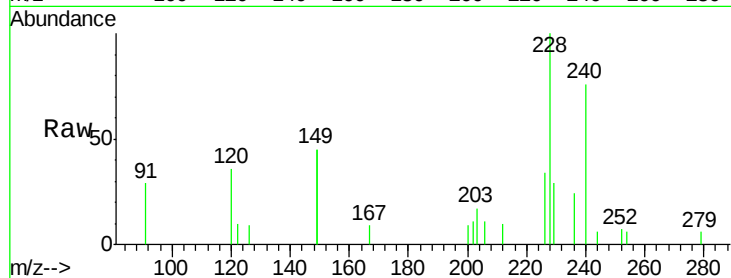




#30
Benzo(a)anthracene
Concen: 0.032 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

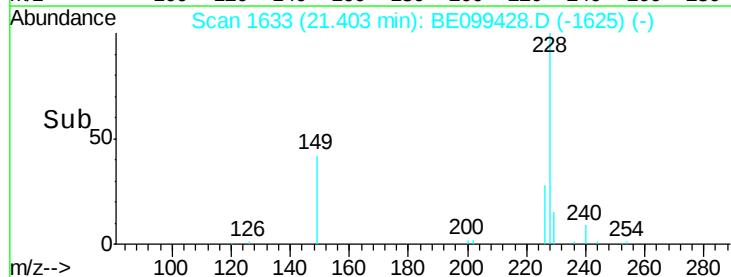
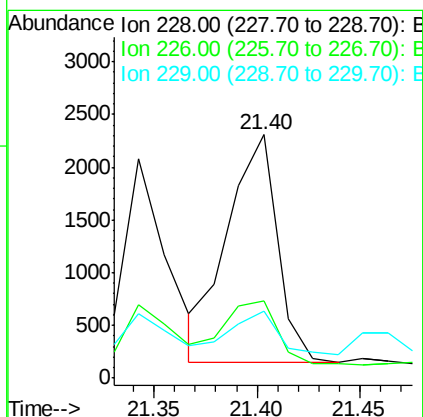
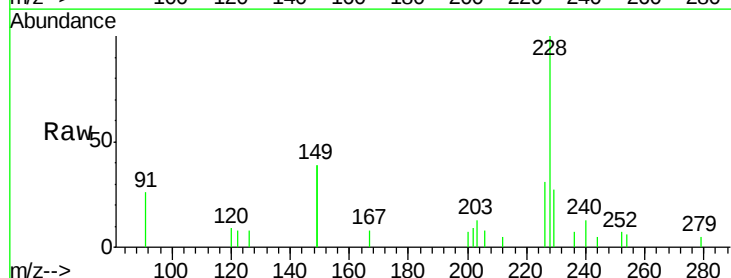
Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

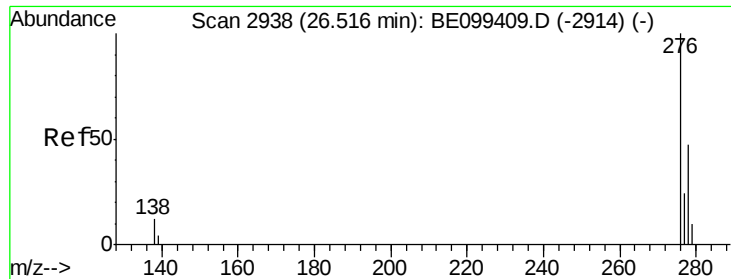
Tot Ion:228 Resp: 3040
Ion Ratio Lower Upper
228 100
226 33.6 21.0 31.6#
229 29.3 16.6 25.0#



#31
Chrysene
Concen: 0.039 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion:228 Resp: 3663
Ion Ratio Lower Upper
228 100
226 31.5 24.0 36.0
229 27.4 15.8 23.8#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.035 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

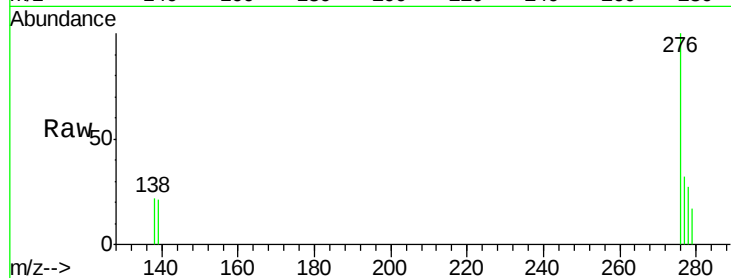
Tot Ion:276 Resp: 3874

Ion Ratio Lower Upper

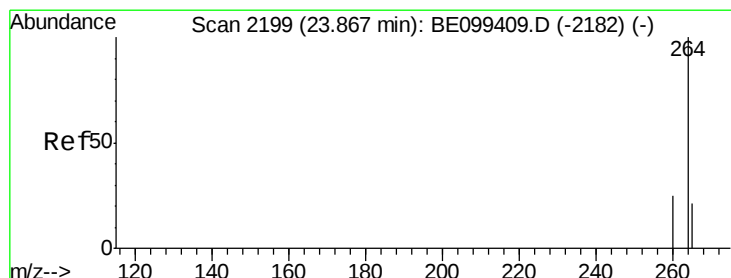
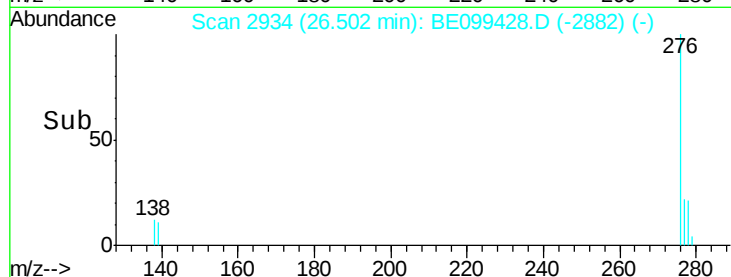
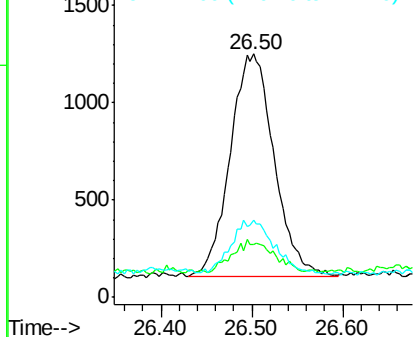
276 100

138 12.9 10.2 15.2

277 9.2 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

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

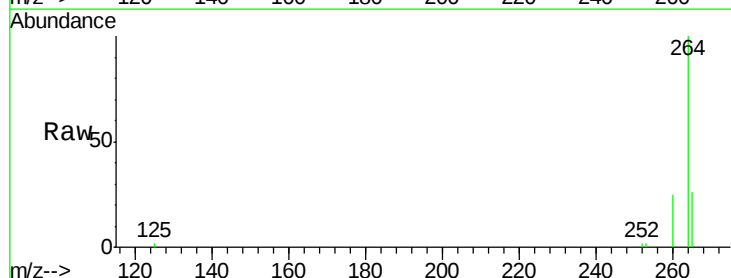
Tgt Ion:264 Resp: 35737

Ion Ratio Lower Upper

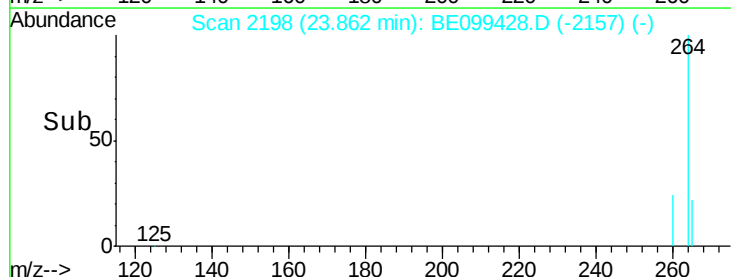
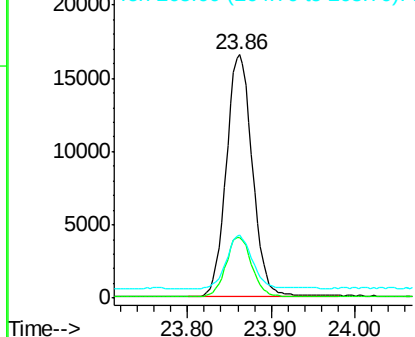
264 100

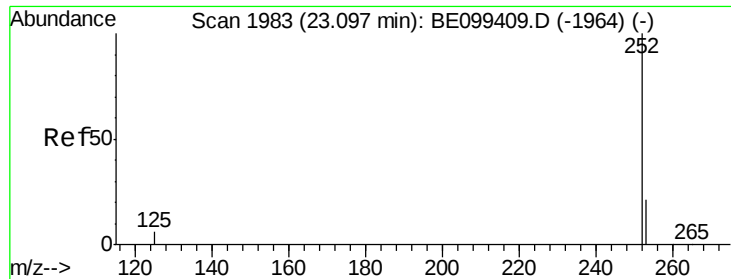
260 24.8 20.2 30.2

265 25.7 21.3 31.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.062 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

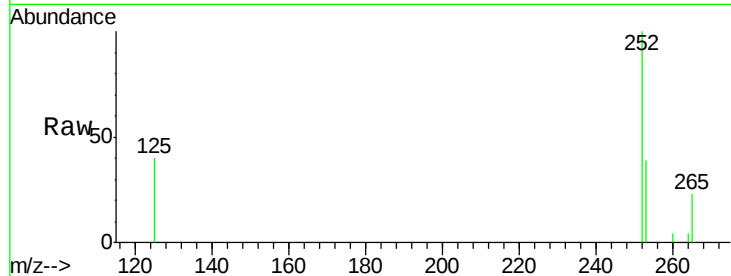
Tot Ion:252 Resp: 6411

Ion Ratio Lower Upper

252 100

253 39.0 18.1 27.1#

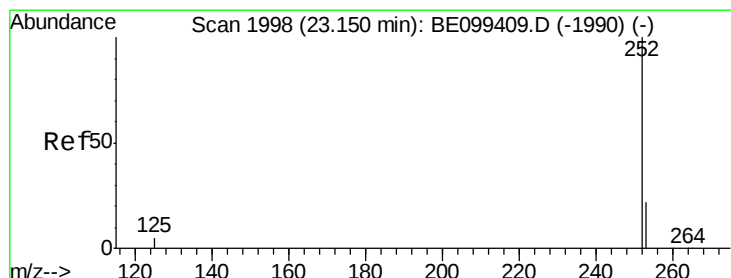
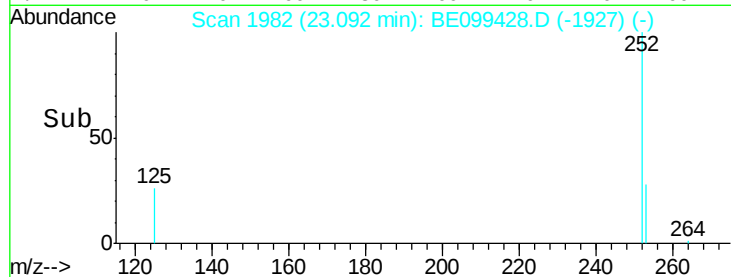
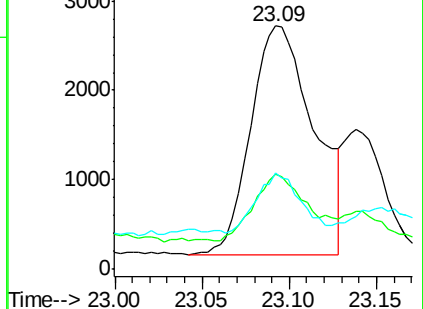
125 39.8 5.6 8.4#



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



#36

Benzo(k)fluoranthene

Concen: 0.065 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.06 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

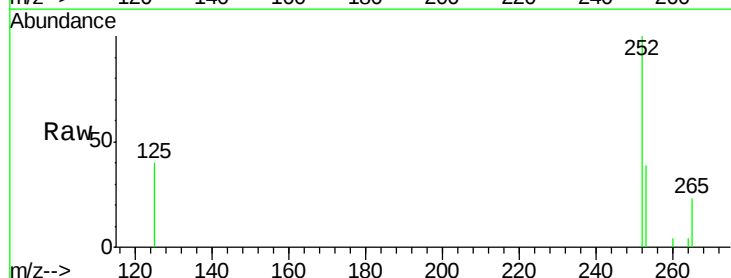
Tgt Ion:252 Resp: 6411

Ion Ratio Lower Upper

252 100

253 39.0 18.4 27.6#

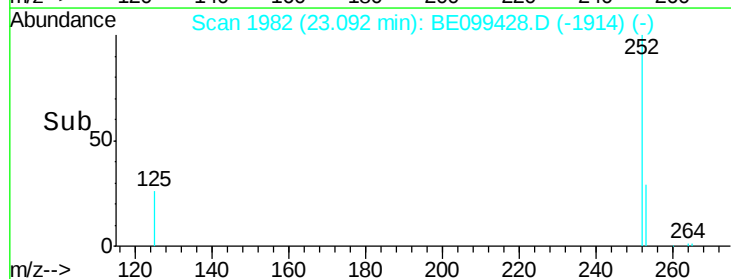
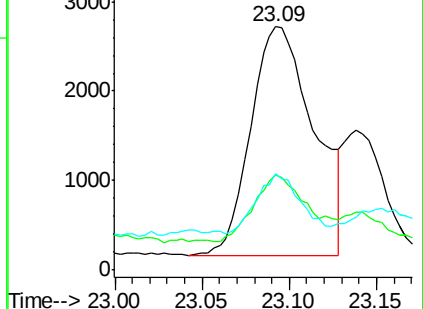
125 39.8 5.0 7.4#

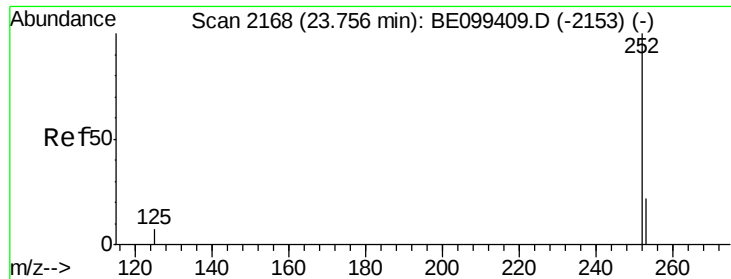


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.042 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

ClientSampleId :

PST-004-B164-042319

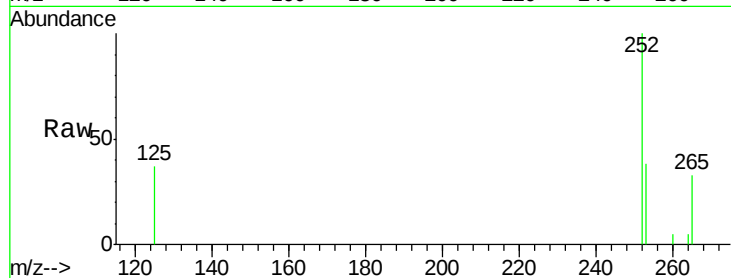
Tot Ion:252 Resp: 4122

Ion Ratio Lower Upper

252 100

253 38.3 18.9 28.3#

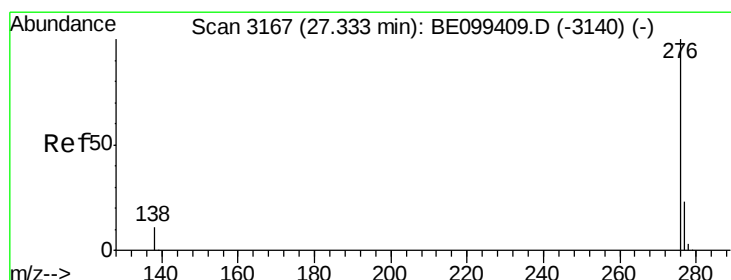
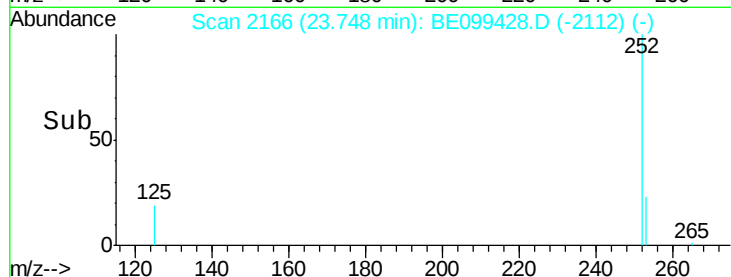
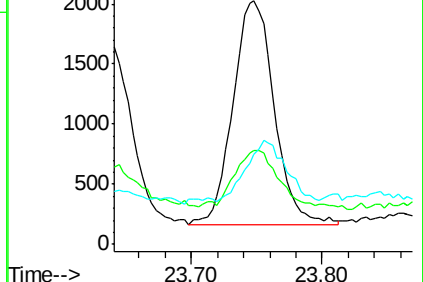
125 36.8 6.7 10.1#



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: 0.039 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

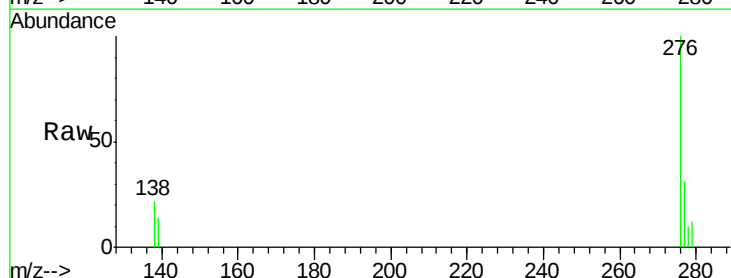
Tgt Ion:276 Resp: 3923

Ion Ratio Lower Upper

276 100

277 31.3 19.5 29.3#

138 21.8 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

