

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
 Data File : BE099104.D
 Acq On : 23 Mar 2019 10:08
 Operator : JU/SJ
 Sample : K1947-09
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B033-031319

Quant Time: Mar 23 22:35:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3578	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	14108	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8806	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	23363	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35566	0.40	ng	0.00
34) Perylene-d12	23.89	264	39503	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4966	0.47	ng	0.00
5) Phenol-d6	6.99	99	6840	0.45	ng	0.00
8) Nitrobenzene-d5	8.99	82	4111	0.67	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9451	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1381	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14381	0.41	ng	-0.01
25) Fluoranthene-d10	19.24	212	117168	0.38	ng	0.00
29) Terphenyl-d14	19.84	244	23228	0.31	ng	0.00

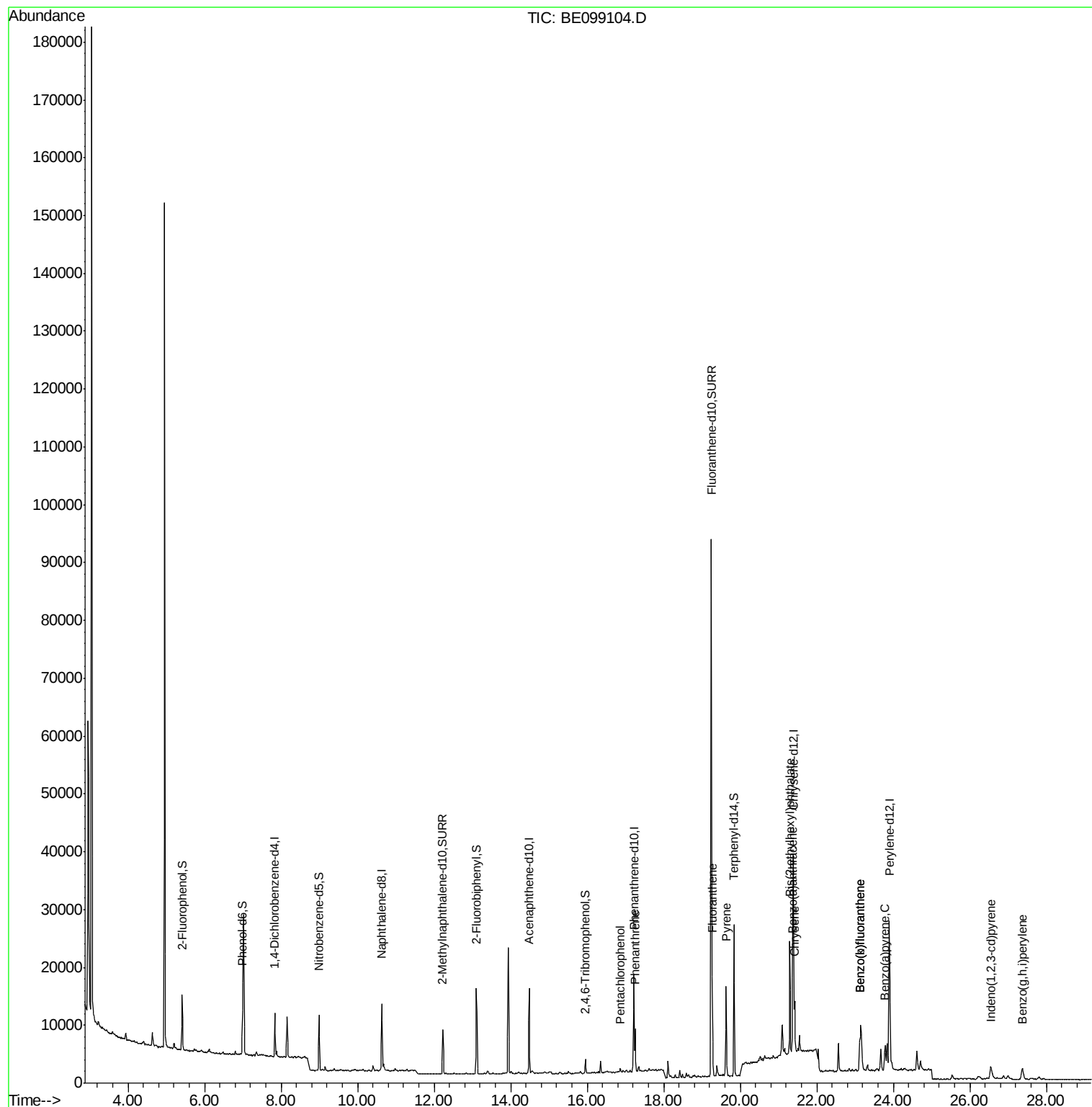
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.85	266	422	0.337	ng	# 82
23) Phenanthrene	17.26	178	7565	0.109	ng	98
26) Fluoranthene	19.27	202	14434	0.148	ng	97
28) Pyrene	19.63	202	14454	0.120	ng	95
30) Benzo(a)anthracene	21.37	228	9291	0.074	ng	99
31) Chrysene	21.43	228	9153	0.073	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	22783	0.140	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	4667	0.035	ng	# 88
35) Benzo(b)fluoranthene	23.13	252	11011	0.081	ng	# 80
36) Benzo(k)fluoranthene	23.13	252	11011	0.082	ng	# 82
37) Benzo(a)pyrene	23.78	252	7878	0.062	ng	# 89
39) Benzo(g,h,i)perylene	27.37	276	4866	0.039	ng	# 93

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032319\
Data File : BE099104.D
Acq On : 23 Mar 2019 10:08
Operator : JU/SJ
Sample : K1947-09
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

Quant Time: Mar 23 22:35:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 04:40:11 2019
Response via : Initial Calibration



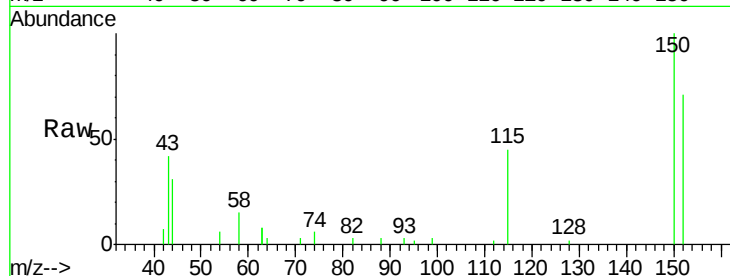


#1

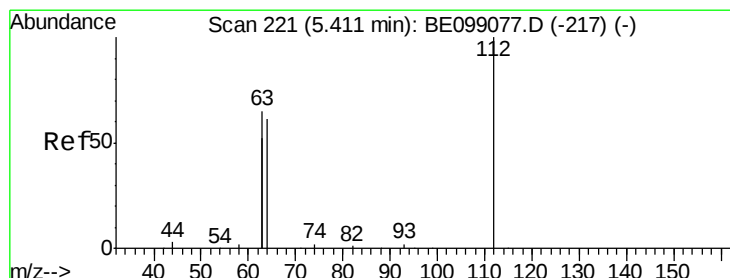
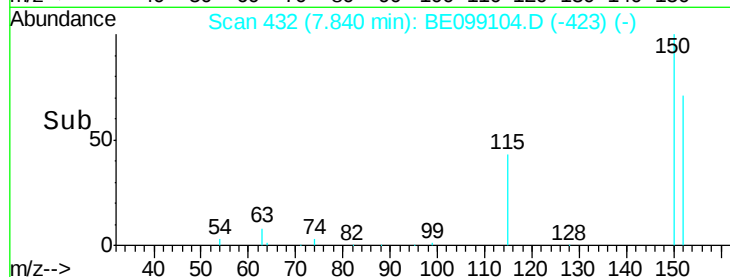
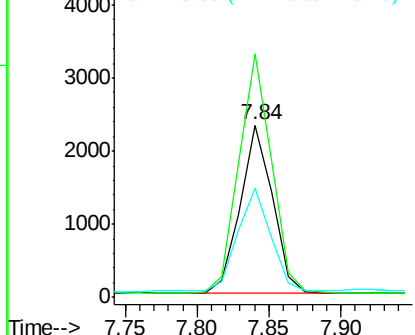
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

Tgt Ion:152 Resp: 3578
Ion Ratio Lower Upper
152 100
150 141.2 122.5 183.7
115 63.1 57.4 86.2



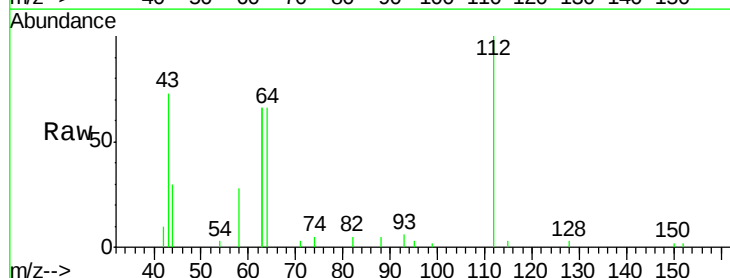
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



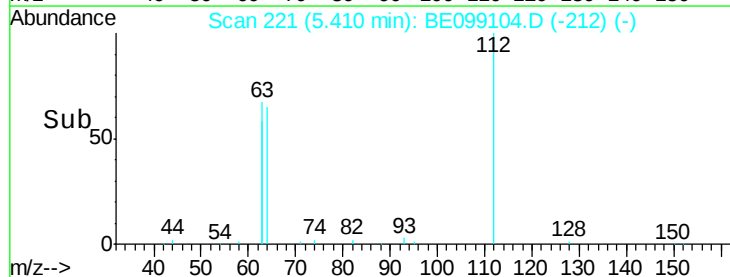
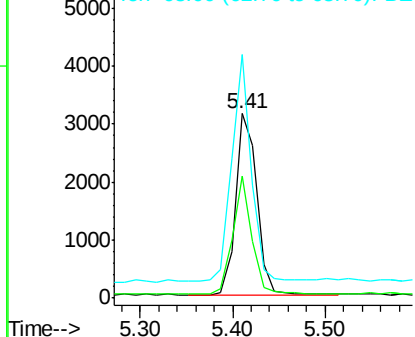
#4

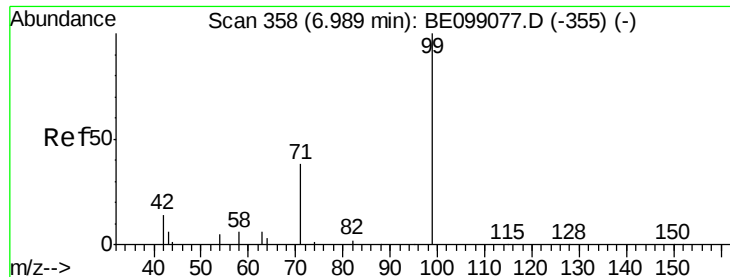
2-Fluorophenol
Concen: 0.466 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Tgt Ion:112 Resp: 4966
Ion Ratio Lower Upper
112 100
64 58.4 57.9 86.9
63 113.9 158.3 237.5#



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: 0.446 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

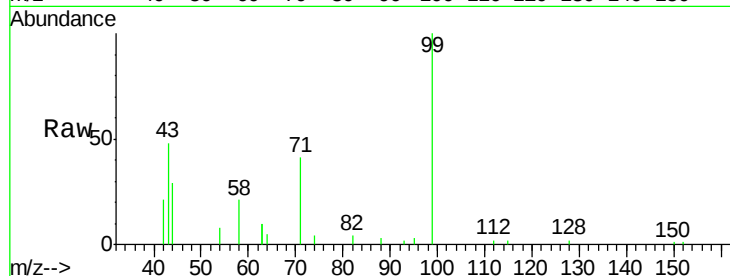
Tgt Ion: 99 Resp: 6840

Ion Ratio Lower Upper

99 100

42 25.0 24.2 36.2

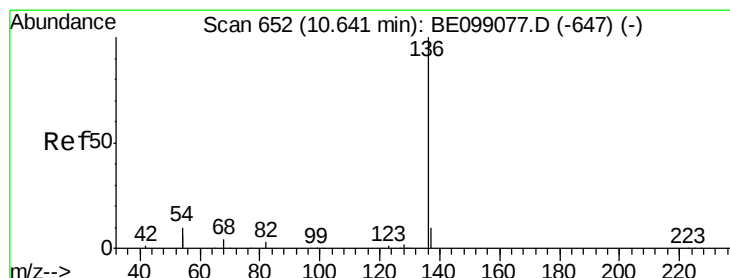
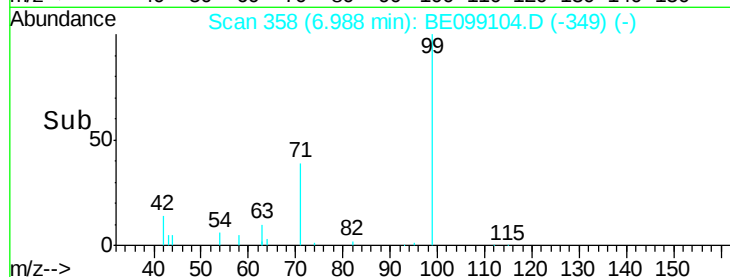
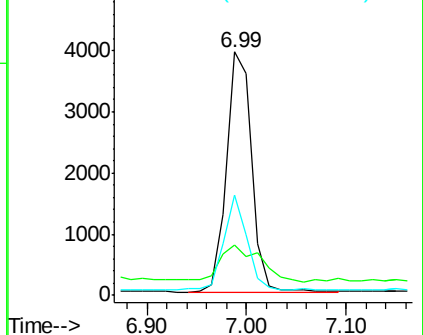
71 35.8 35.7 53.5



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: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion: 136 Resp: 14108

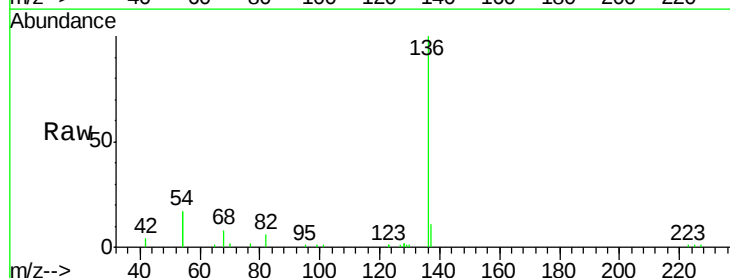
Ion Ratio Lower Upper

136 100

137 11.0 11.4 17.0#

54 33.0 39.3 58.9#

68 8.2 6.7 10.1

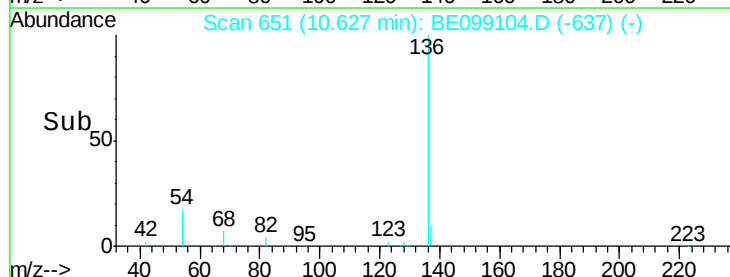
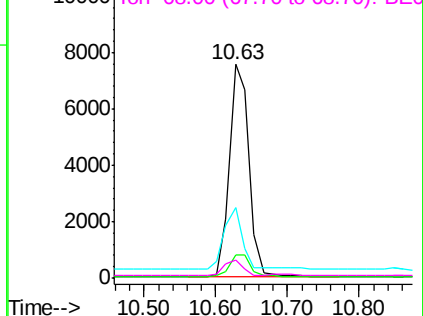


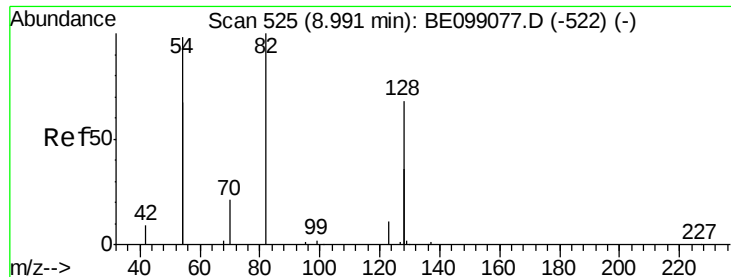
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.667 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

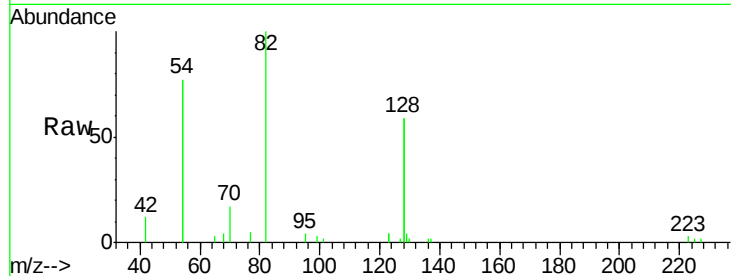
Tgt Ion: 82 Resp: 4111

Ion Ratio Lower Upper

82 100

128 118.1 123.8 185.8#

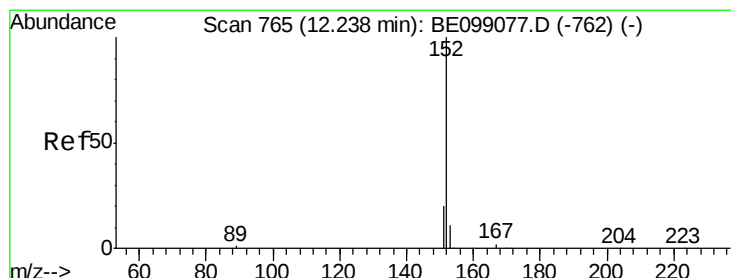
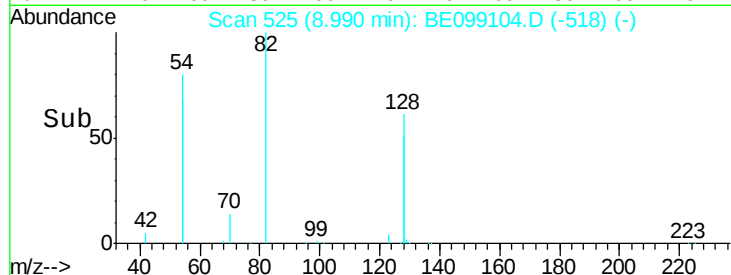
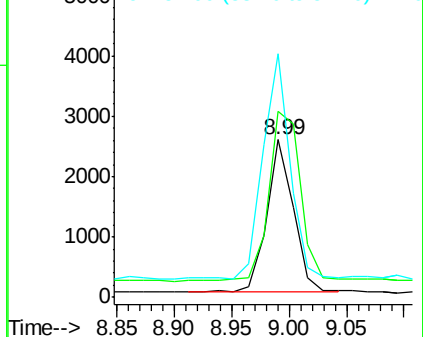
54 154.7 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.372 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099104.D

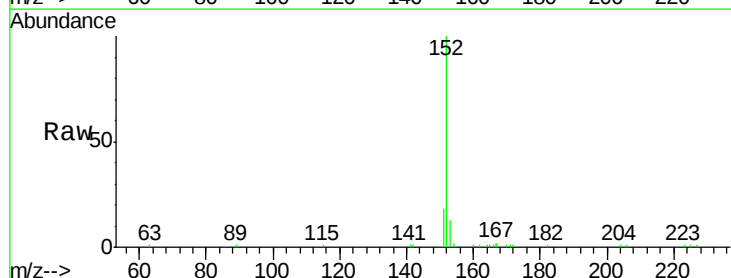
Acq: 23 Mar 2019 10:08

Tgt Ion: 152 Resp: 9451

Ion Ratio Lower Upper

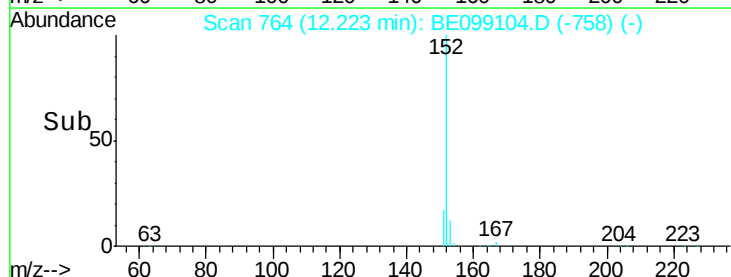
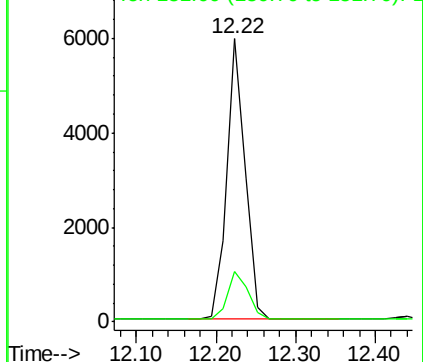
152 100

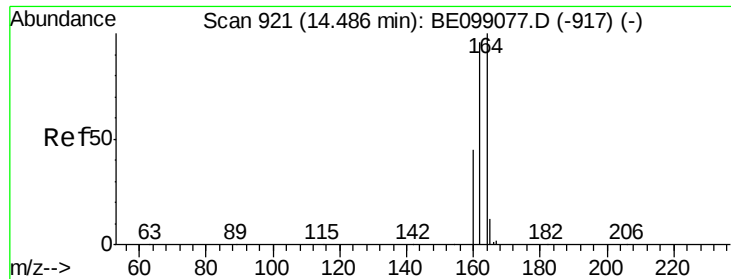
151 18.9 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

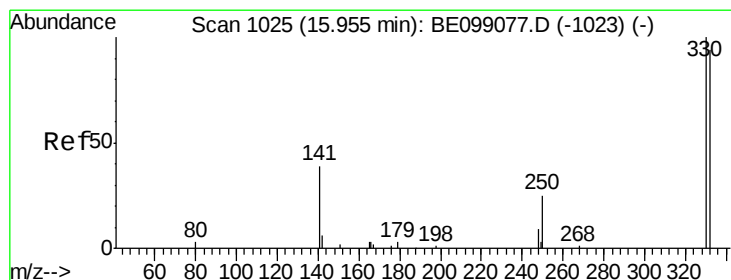
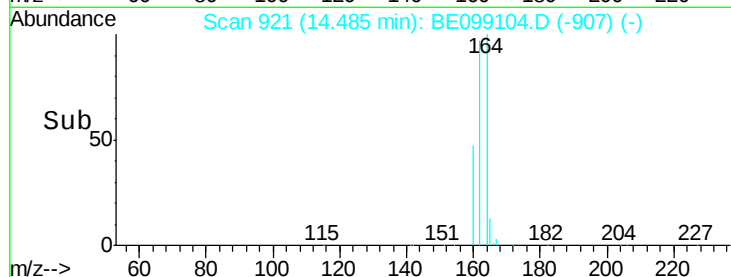
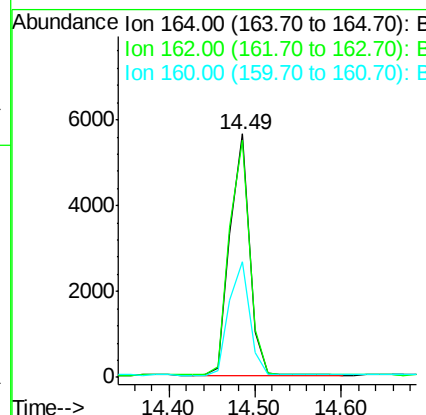
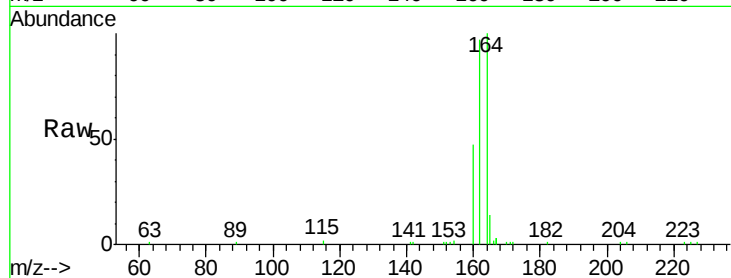




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

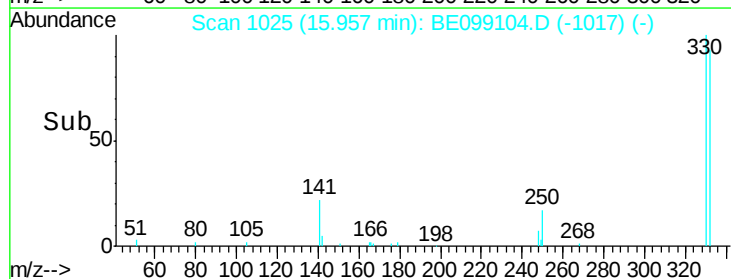
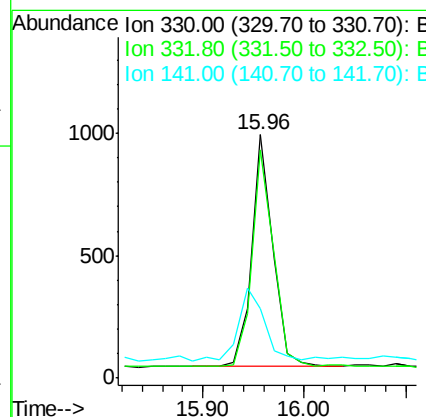
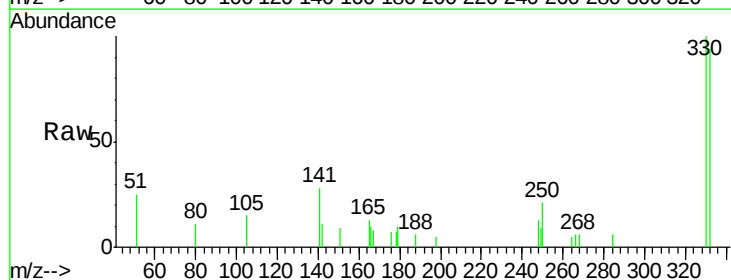
Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

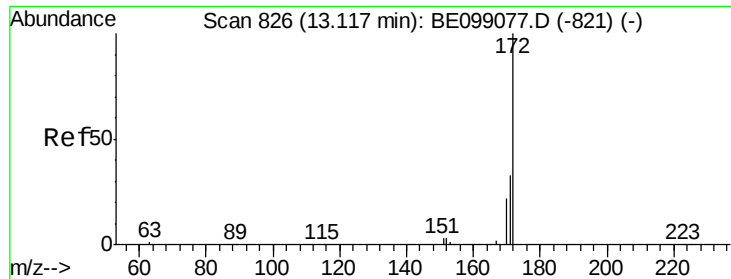
Tgt Ion:164 Resp: 8806
Ion Ratio Lower Upper
164 100
162 97.5 80.2 120.2
160 47.4 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.533 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Tgt Ion:330 Resp: 1381
Ion Ratio Lower Upper
330 100
332 95.9 77.6 116.4
141 39.2 31.0 46.4

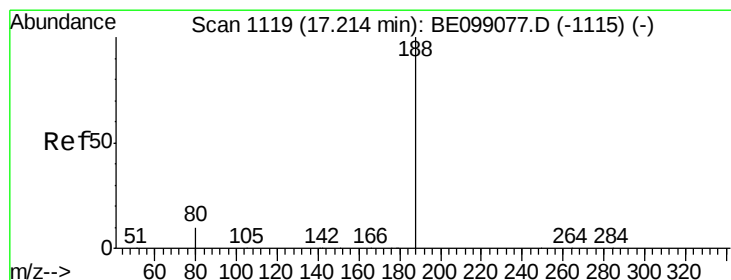
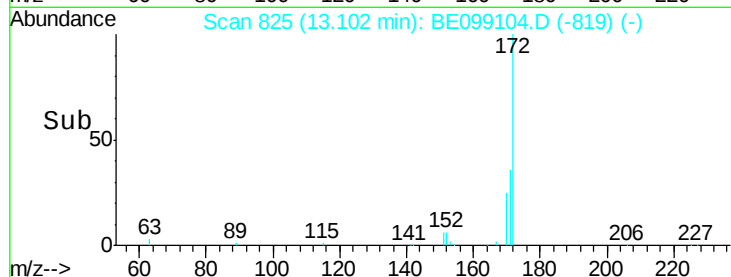
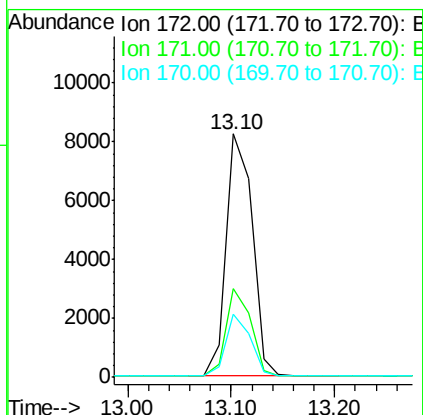
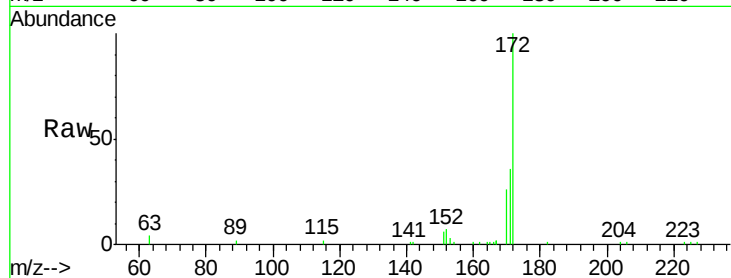




#15
2-Fluorobiphenyl
Concen: 0.411 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

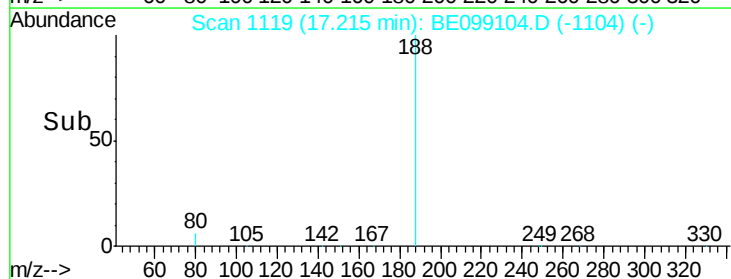
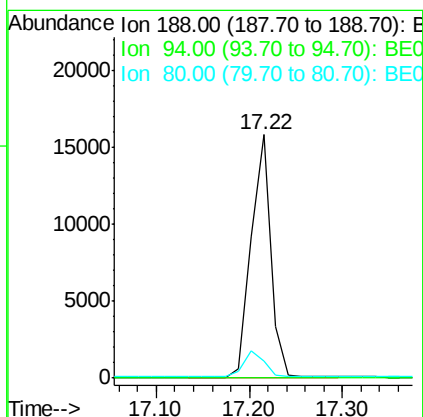
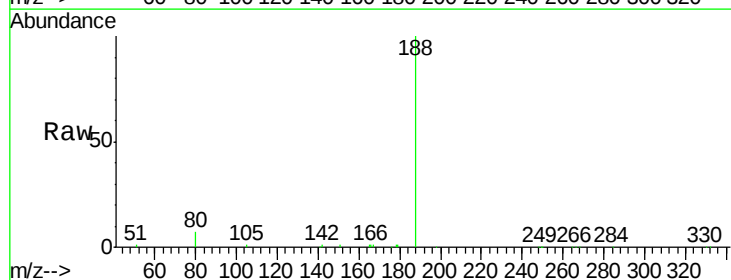
Instrument :
BNA_E
ClientSampleId :
PST-025-B033-031319

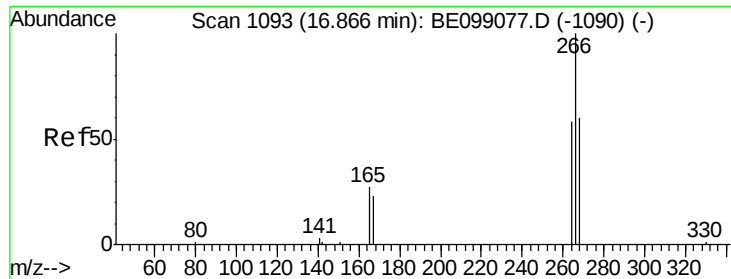
Tgt Ion:172 Resp: 14381
Ion Ratio Lower Upper
172 100
171 36.5 28.0 42.0
170 25.7 17.7 26.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099104.D
Acq: 23 Mar 2019 10:08

Tgt Ion:188 Resp: 23363
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 6.3 9.5





#22

Pentachlorophenol

Concen: 0.337 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

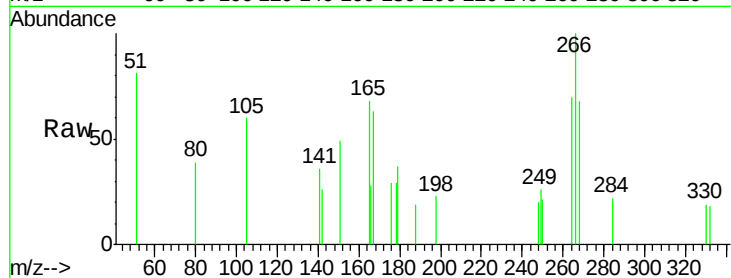
Tgt Ion:266 Resp: 422

Ion Ratio Lower Upper

266 100

264 69.6 66.6 100.0

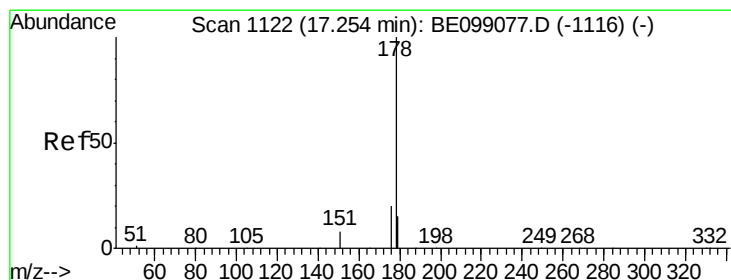
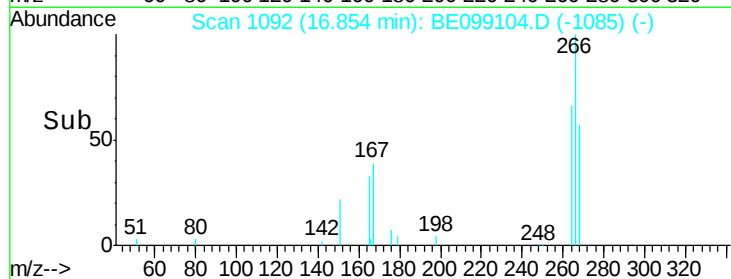
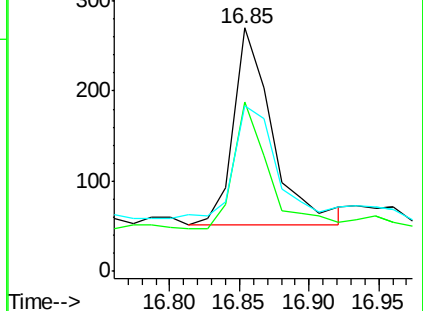
268 67.8 69.8 104.8#



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: 0.109 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

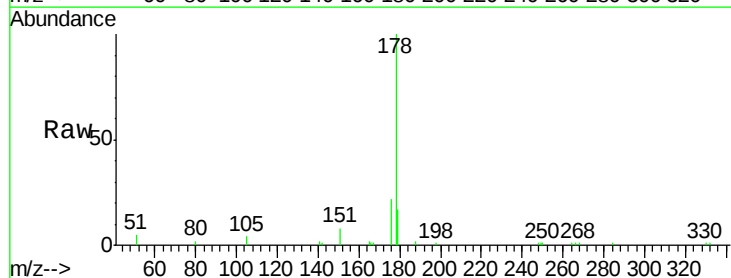
Tgt Ion:178 Resp: 7565

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

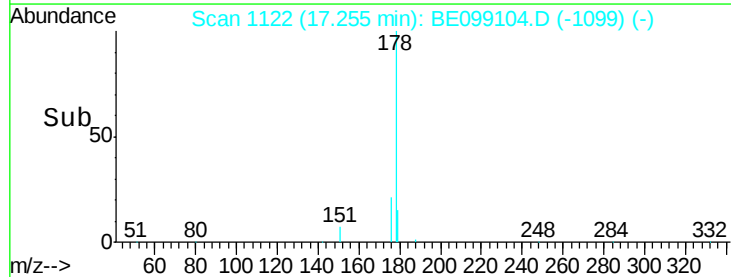
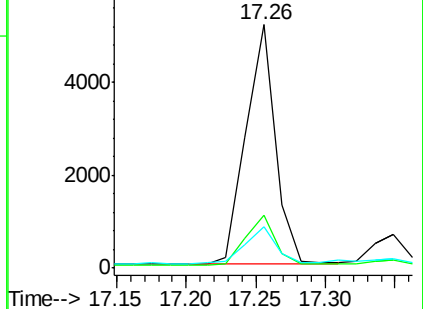
179 16.6 12.1 18.1

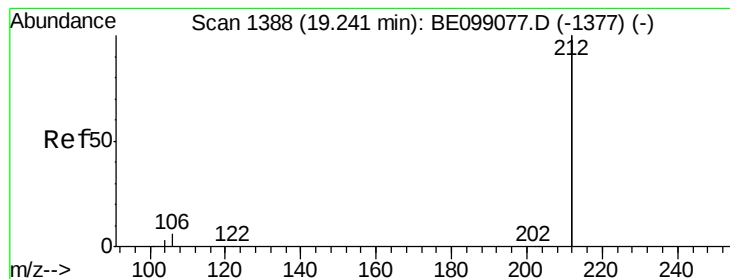


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.376 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

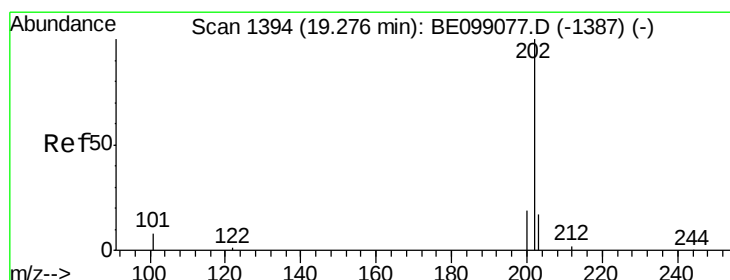
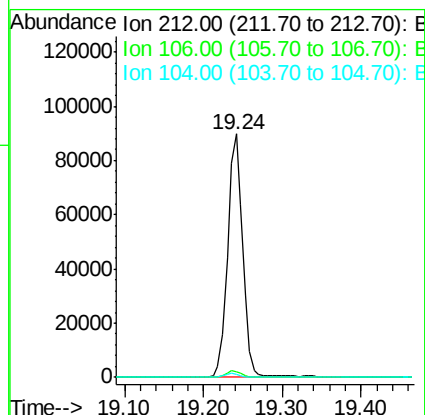
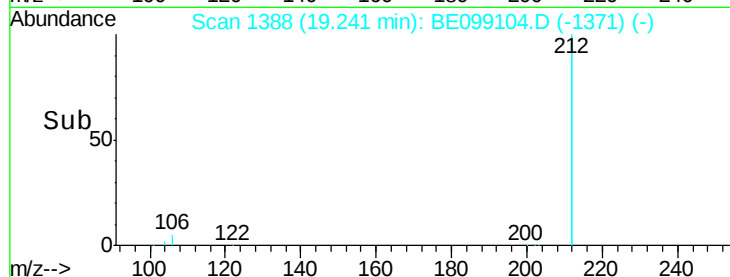
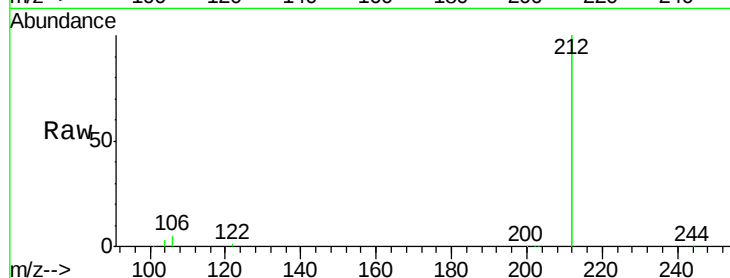
Tgt Ion:212 Resp: 117168

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

104 1.5 1.0 1.6



#26

Fluoranthene

Concen: 0.148 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

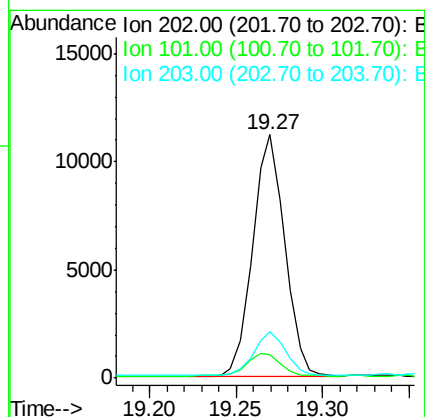
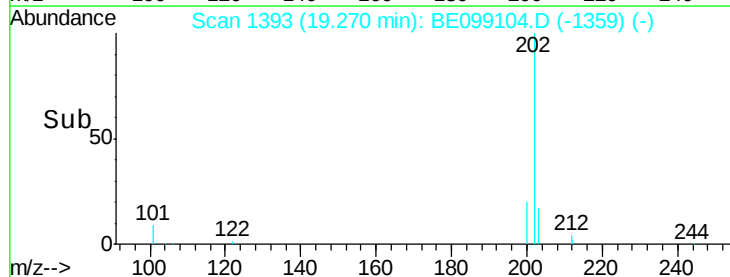
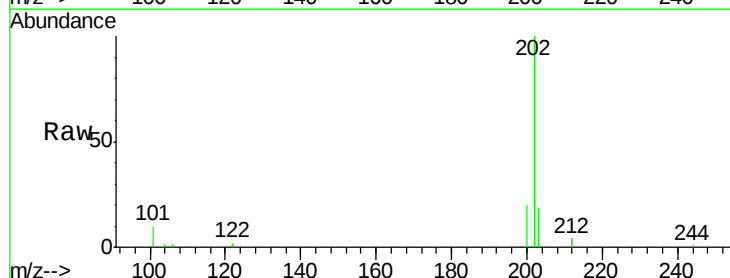
Tgt Ion:202 Resp: 14434

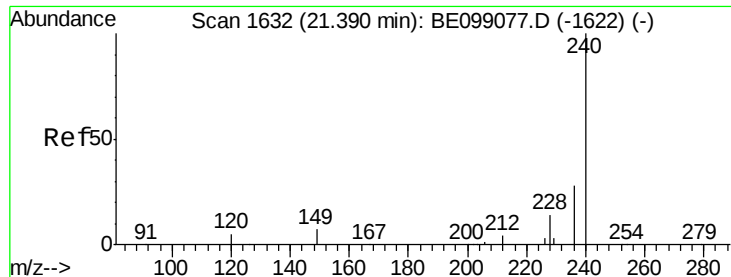
Ion Ratio Lower Upper

202 100

101 10.3 7.3 10.9

203 17.9 13.4 20.2





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

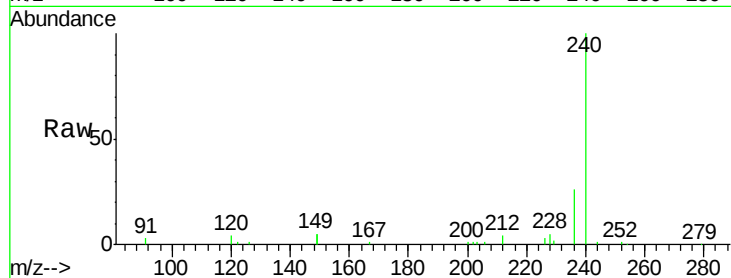
Tgt Ion:240 Resp: 35566

Ion Ratio Lower Upper

240 100

120 4.0 5.0 7.4#

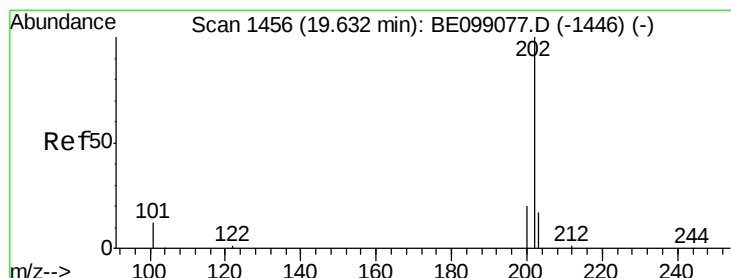
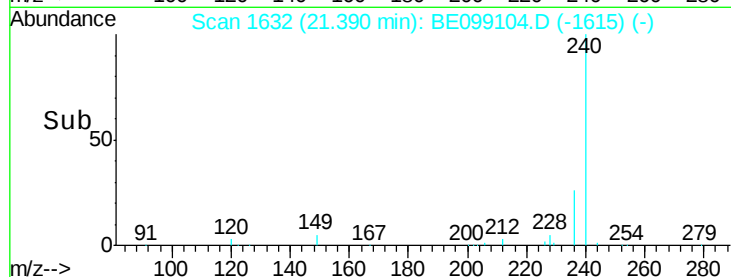
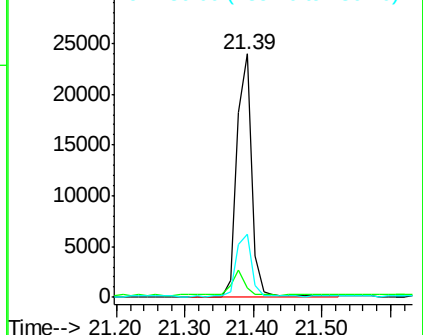
236 26.1 22.7 34.1



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: 0.120 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

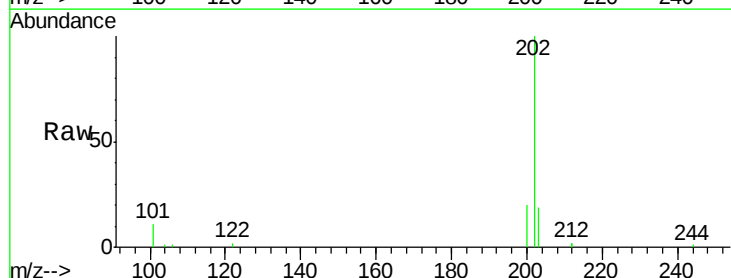
Tgt Ion:202 Resp: 14454

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

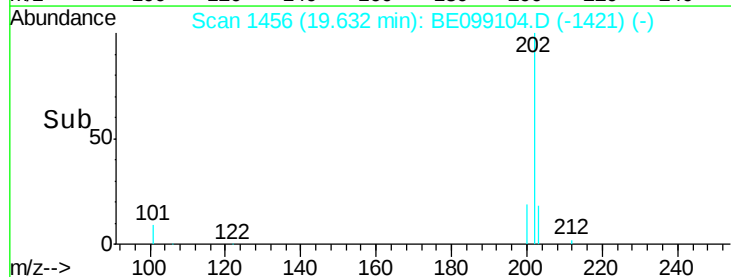
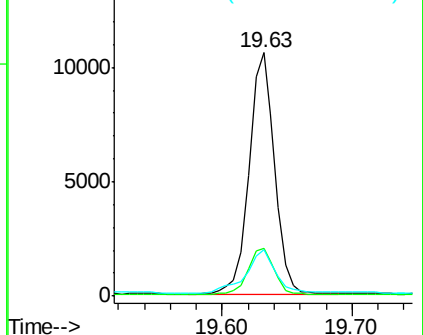
203 21.0 14.2 21.2

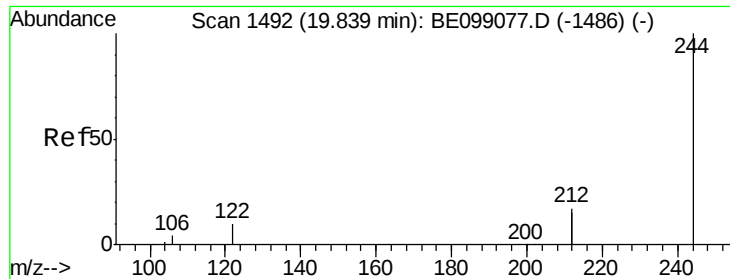


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.309 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

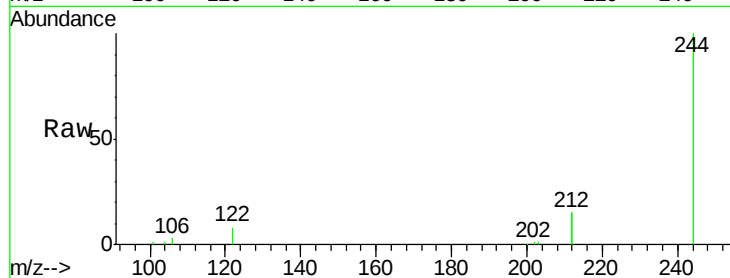
Tgt Ion:244 Resp: 23228

Ion Ratio Lower Upper

244 100

212 30.0 29.4 44.2

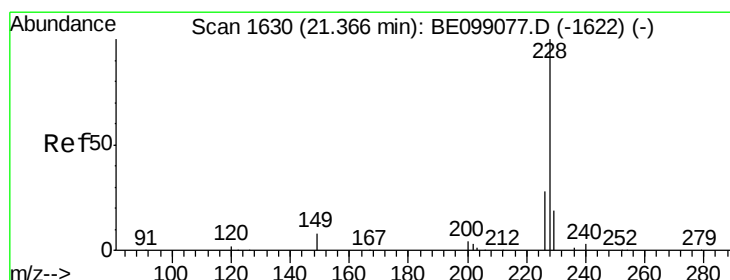
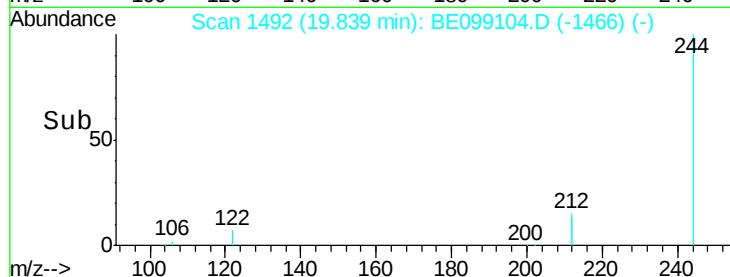
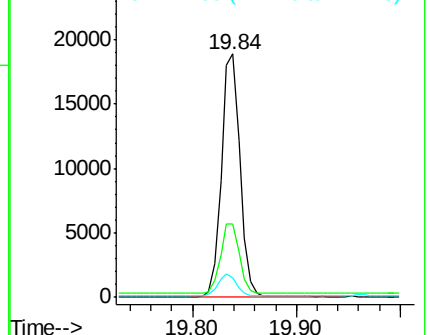
122 7.8 7.1 10.7



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: 0.074 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

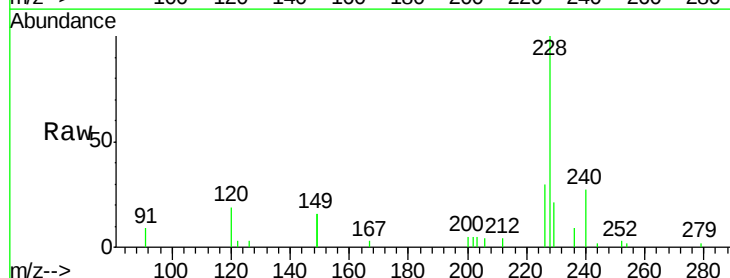
Tgt Ion:228 Resp: 9291

Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.4

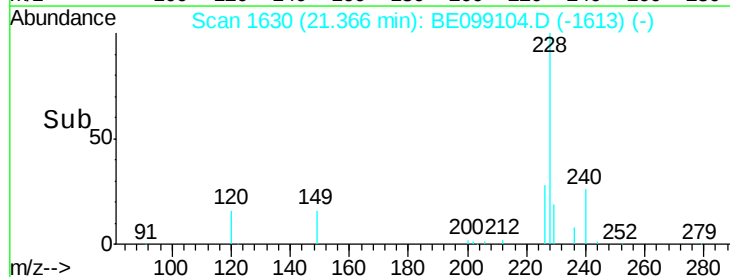
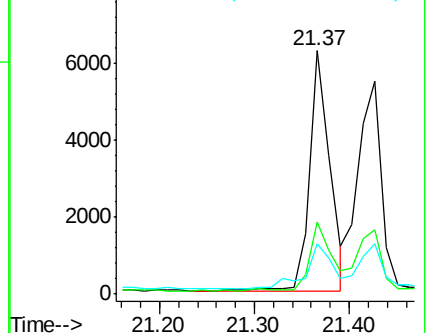
229 20.9 16.5 24.7

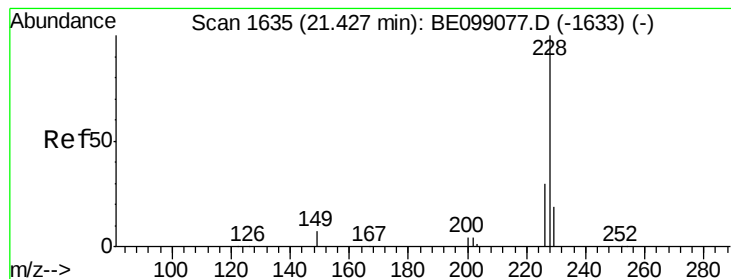


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

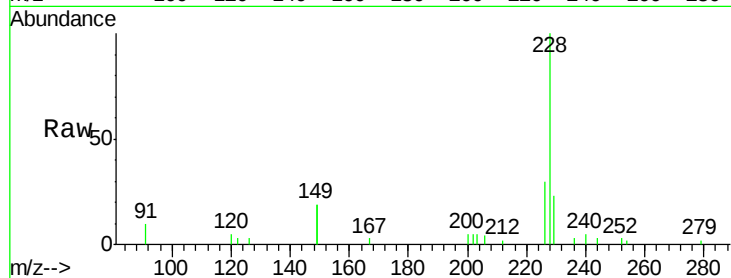




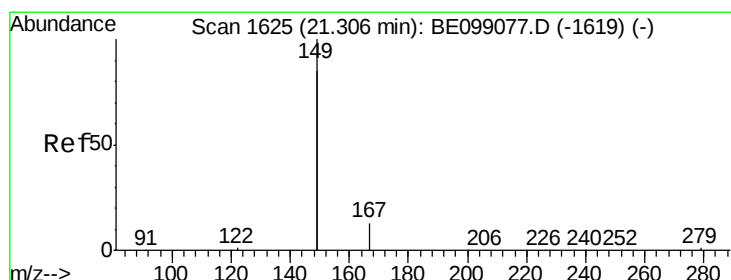
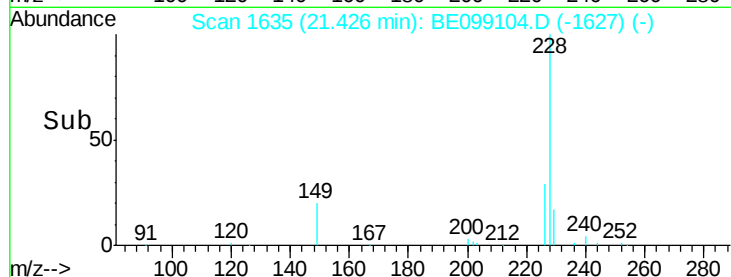
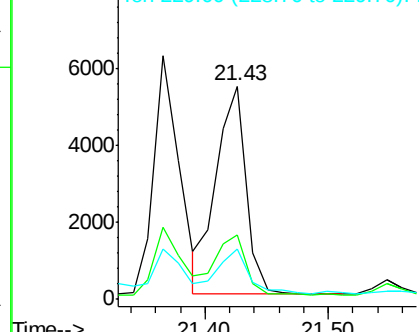
#31
Chrysene
 Concen: 0.073 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: BE099104.D
 Acq: 23 Mar 2019 10:08

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B033-031319

Tgt Ion: 228 Resp: 9153
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.7 35.5
 229 23.3 16.1 24.1

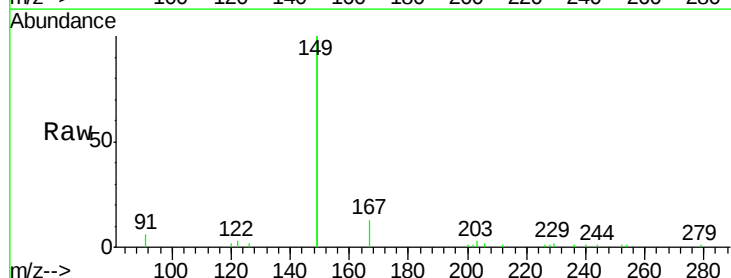


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

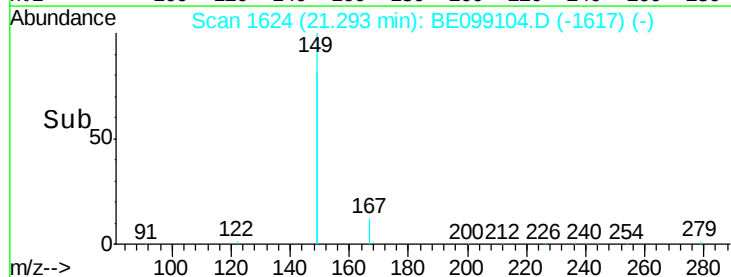
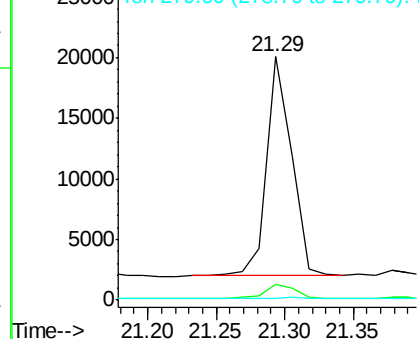


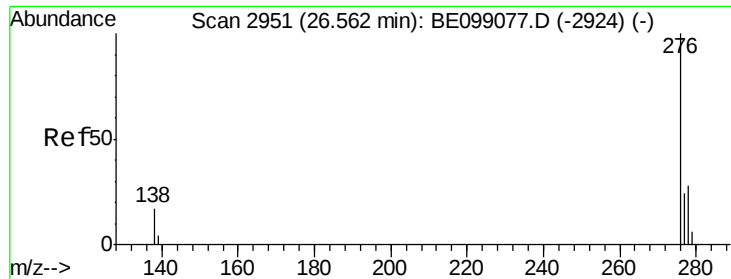
#32
Bis(2-ethylhexyl)phthalate
 Concen: 0.140 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE099104.D
 Acq: 23 Mar 2019 10:08

Tgt Ion: 149 Resp: 22783
 Ion Ratio Lower Upper
 149 100
 167 7.5 5.4 8.0
 279 1.1 1.0 1.4



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: 0.035 ng

RT: 26.55 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

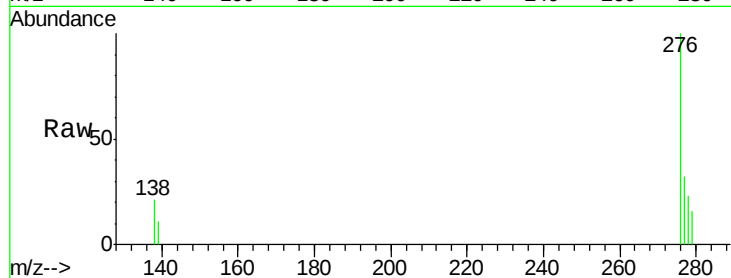
Tgt Ion:276 Resp: 4667

Ion Ratio Lower Upper

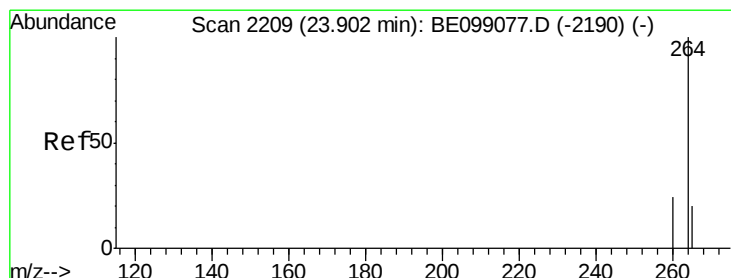
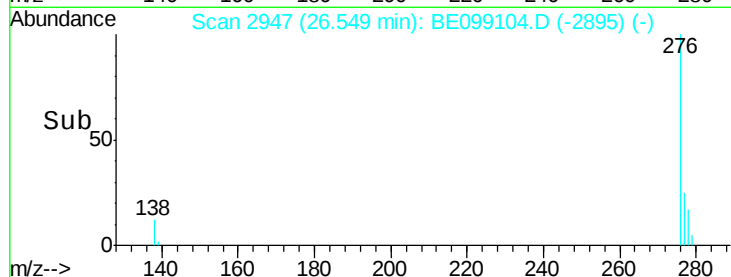
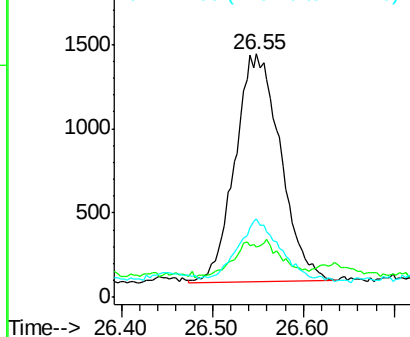
276 100

138 7.0 13.8 20.8#

277 26.1 19.5 29.3



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: 23.89 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

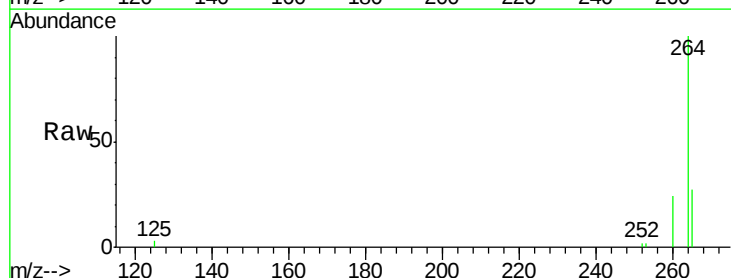
Tgt Ion:264 Resp: 39503

Ion Ratio Lower Upper

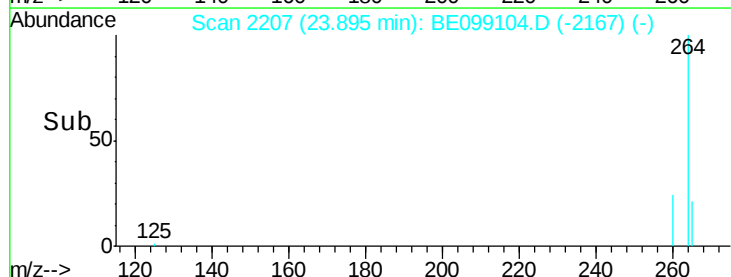
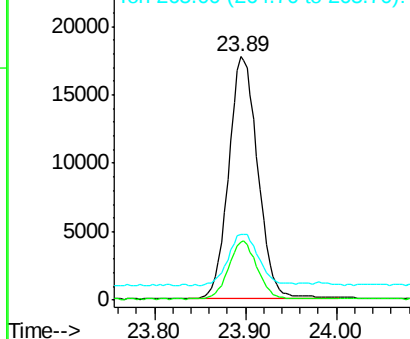
264 100

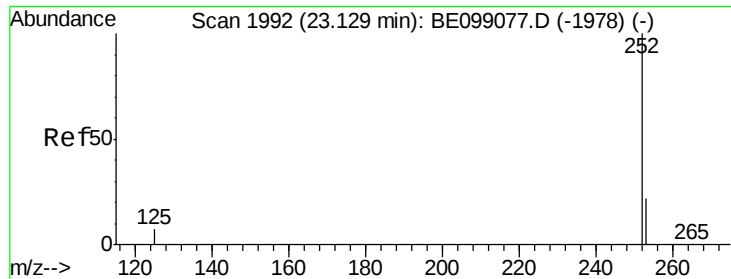
260 24.0 21.2 31.8

265 27.2 24.6 36.8



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: 0.081 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

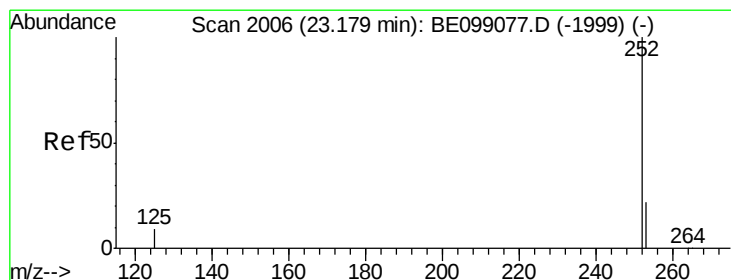
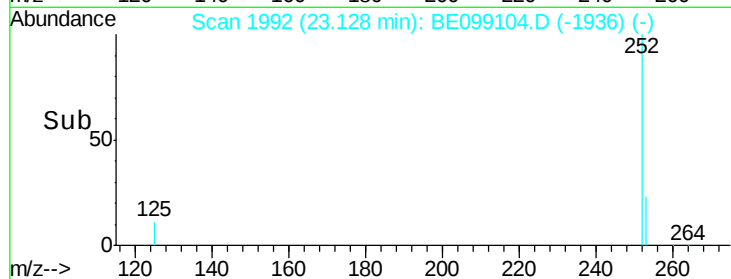
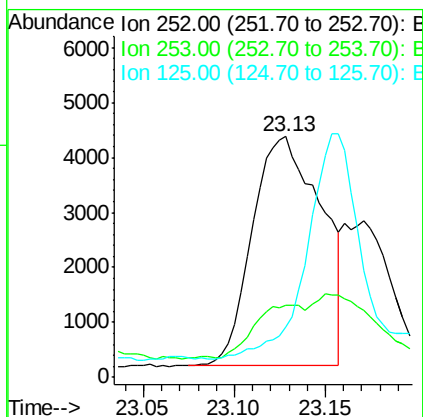
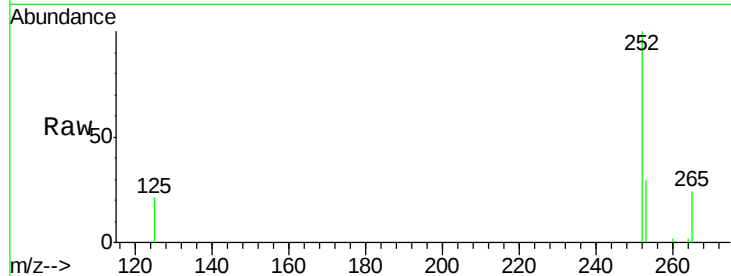
BNA_E

ClientSampleId :

PST-025-B033-031319

Tgt Ion:252 Resp: 11011

Ion	Ratio	Lower	Upper
252	100		
253	30.1	18.2	27.2#
125	21.1	7.3	10.9#



#36

Benzo(k)fluoranthene

Concen: 0.082 ng

RT: 23.13 min Scan# 1992

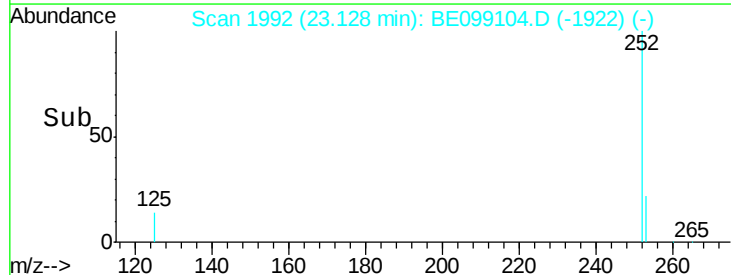
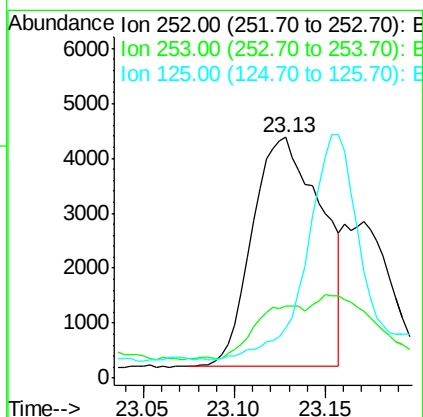
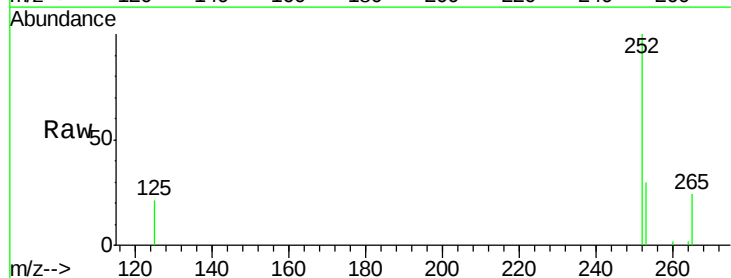
Delta R.T. -0.05 min

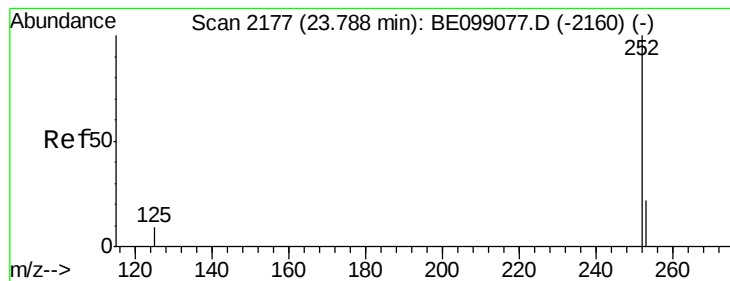
Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Tgt Ion:252 Resp: 11011

Ion	Ratio	Lower	Upper
252	100		
253	30.1	19.3	28.9#
125	21.1	7.5	11.3#





#37

Benzo(a)pyrene

Concen: 0.062 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

Instrument :

BNA_E

ClientSampleId :

PST-025-B033-031319

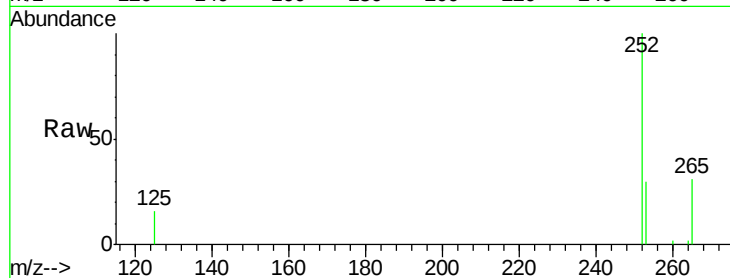
Tgt Ion:252 Resp: 7878

Ion Ratio Lower Upper

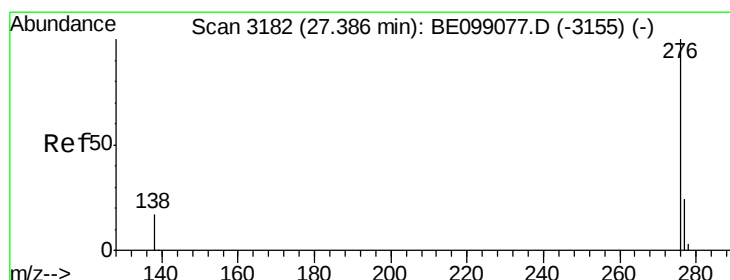
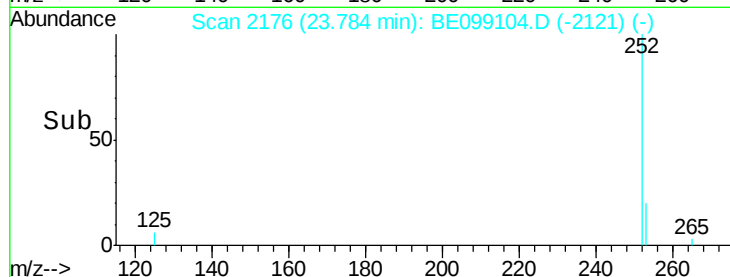
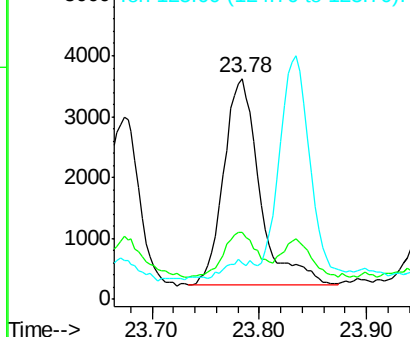
252 100

253 30.2 19.9 29.9#

125 16.2 9.0 13.4#



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



#39

Benzo(g,h,i)perylene

Concen: 0.039 ng

RT: 27.37 min Scan# 3178

Delta R.T. -0.01 min

Lab File: BE099104.D

Acq: 23 Mar 2019 10:08

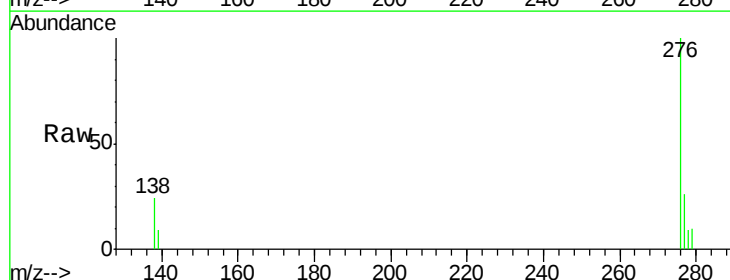
Tgt Ion:276 Resp: 4866

Ion Ratio Lower Upper

276 100

277 26.3 20.4 30.6

138 24.0 13.6 20.4#



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

