

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099090.D
 Acq On : 22 Mar 2019 21:26
 Operator : JU/SJ
 Sample : K1948-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

Quant Time: Mar 23 01:15:37 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 00:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3485	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12900	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8479	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23240	0.40	ng	0.00
27) Chrysene-d12	21.39	240	34041	0.40	ng	0.00
34) Perylene-d12	23.90	264	39490	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4446	0.43	ng	0.00
5) Phenol-d6	7.00	99	6318	0.42	ng	0.00
8) Nitrobenzene-d5	9.16	82	261	0.05	ng	0.17
11) 2-Methylnaphthalene-d10	12.22	152	8896	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1318	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12347	0.37	ng	0.00
25) Fluoranthene-d10	19.24	212	113565	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	17282	0.24	ng	0.00

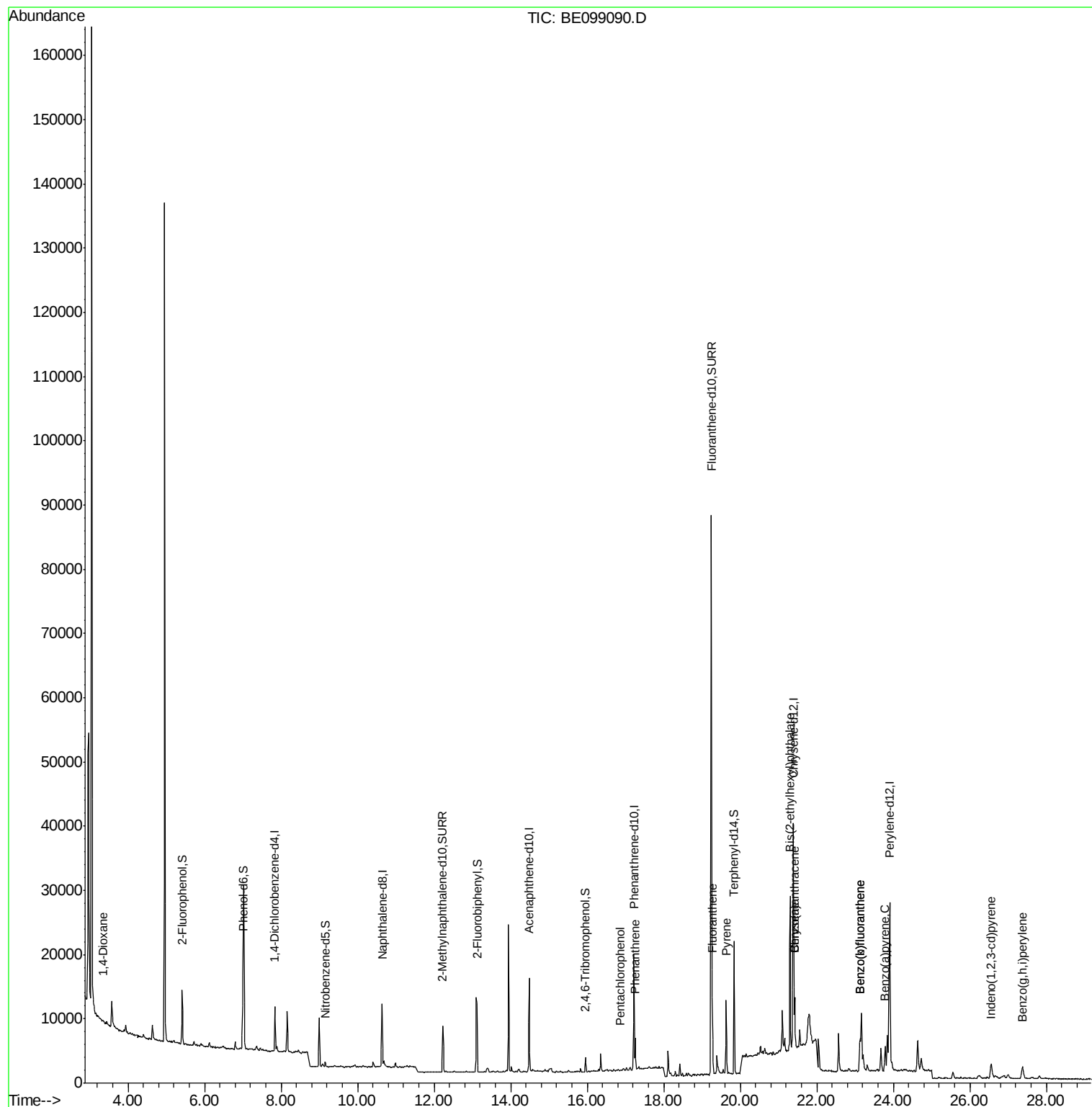
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	115	0.021	ng	# 26
22) Pentachlorophenol	16.85	266	49	0.261	ng	95
23) Phenanthrene	17.25	178	4833	0.070	ng	96
26) Fluoranthene	19.27	202	10085	0.104	ng	# 97
28) Pyrene	19.63	202	10143	0.088	ng	95
30) Benzo(a)anthracene	21.43	228	7423	0.062	ng	95
31) Chrysene	21.43	228	7361	0.061	ng	95
32) Bis(2-ethylhexyl)phthalate	21.31	149	30335	0.195	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	4636	0.036	ng	# 90
35) Benzo(b)fluoranthene	23.13	252	9927	0.073	ng	# 84
36) Benzo(k)fluoranthene	23.13	252	9927	0.074	ng	# 86
37) Benzo(a)pyrene	23.78	252	6363	0.050	ng	# 87
39) Benzo(g,h,i)perylene	27.38	276	4625	0.037	ng	# 89

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099090.D
Acq On : 22 Mar 2019 21:26
Operator : JU/SJ
Sample : K1948-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Quant Time: Mar 23 01:15:37 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 00:46:37 2019
Response via : Initial Calibration



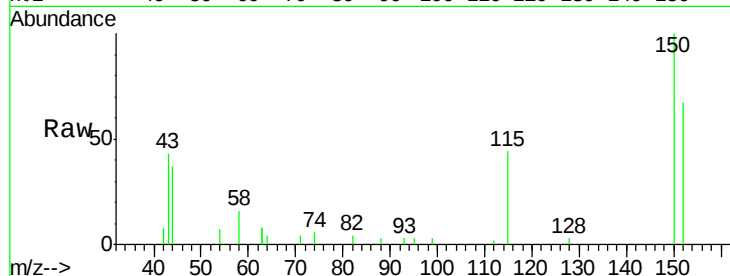


#1

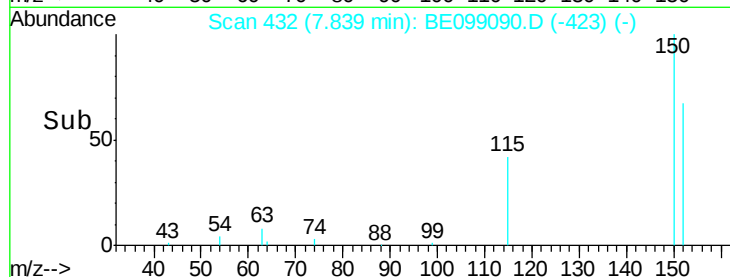
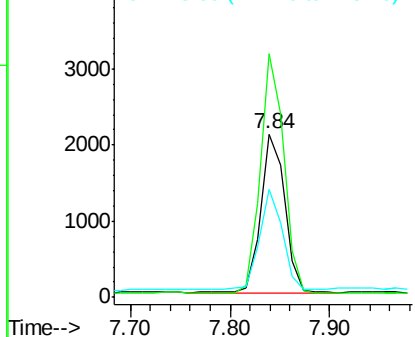
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Tgt Ion: 152 Resp: 3485
Ion Ratio Lower Upper
152 100
150 148.8 122.5 183.7
115 66.1 57.4 86.2



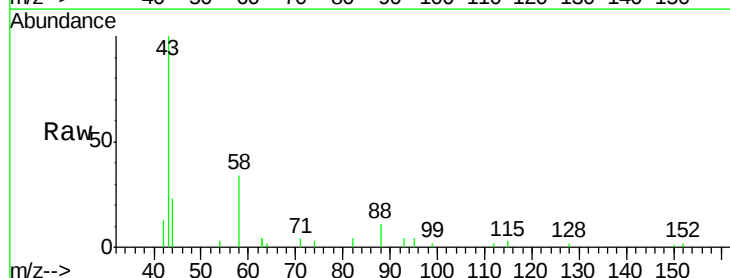
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



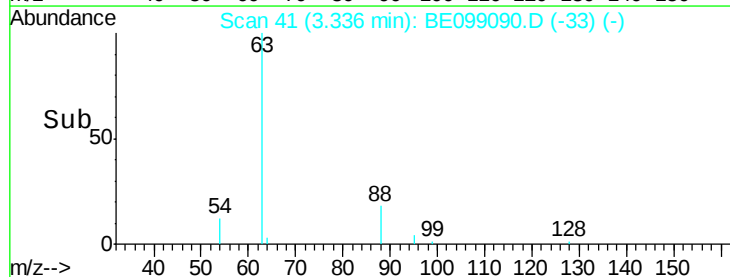
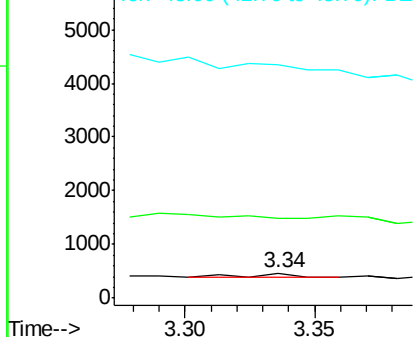
#2

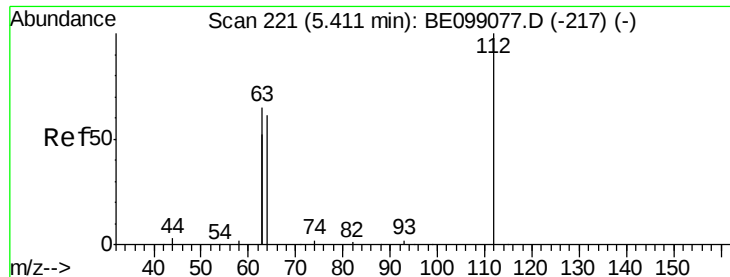
1,4-Dioxane
Concen: 0.021 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
58 0.0 52.0 78.0#
43 0.0 24.0 36.0#



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: 0.428 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

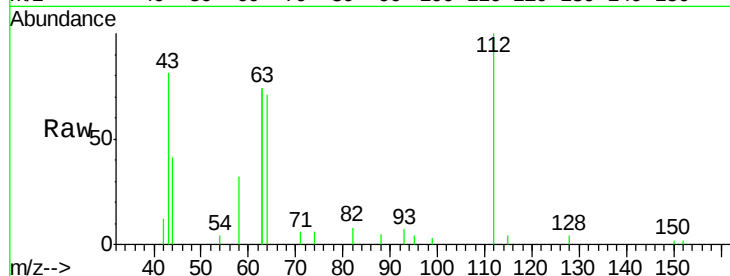
Tgt Ion: 112 Resp: 4446

Ion Ratio Lower Upper

112 100

64 58.2 57.9 86.9

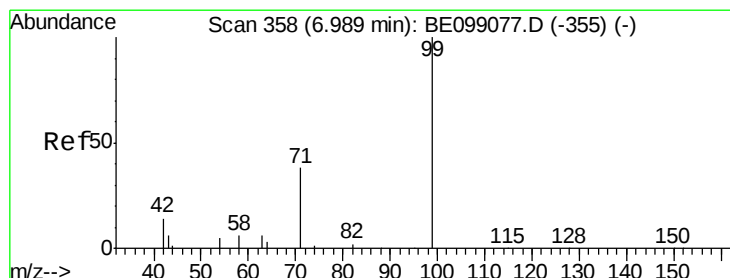
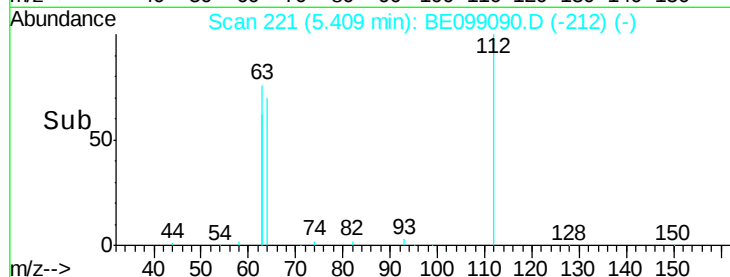
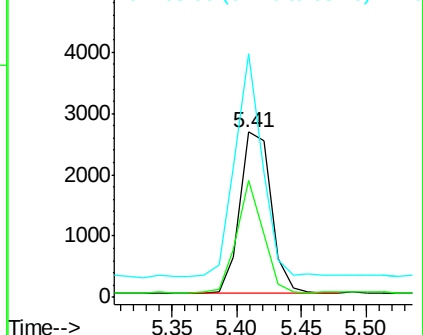
63 124.2 158.3 237.5#



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: 0.423 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

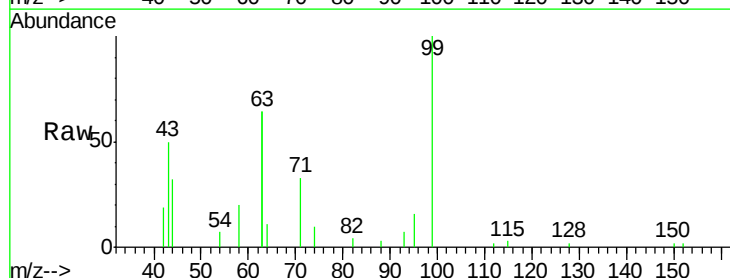
Tgt Ion: 99 Resp: 6318

Ion Ratio Lower Upper

99 100

42 29.1 24.2 36.2

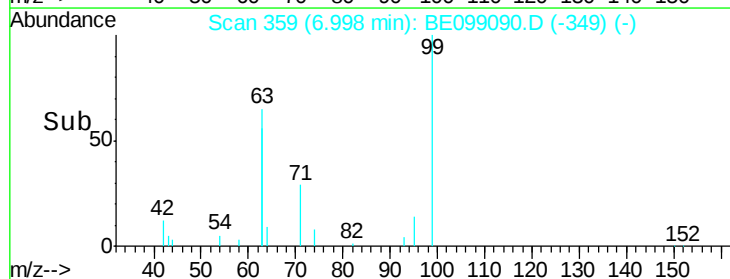
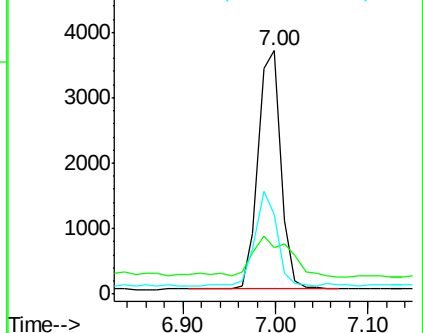
71 38.6 35.7 53.5

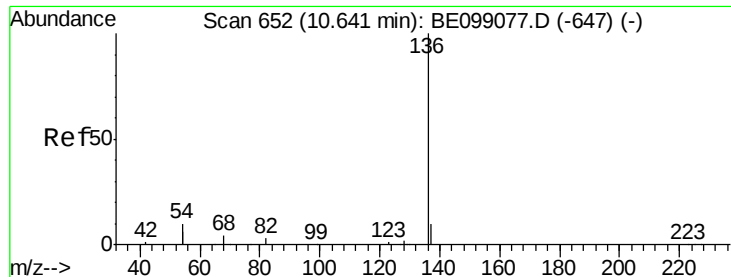


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

Tgt Ion:136 Resp: 12900

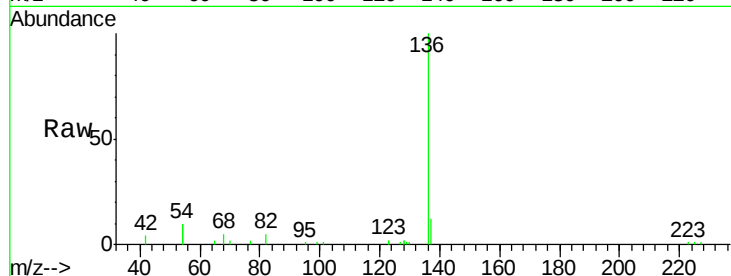
Ion Ratio Lower Upper

136 100

137 11.6 11.4 17.0

54 20.2 39.3 58.9#

68 5.2 6.7 10.1#

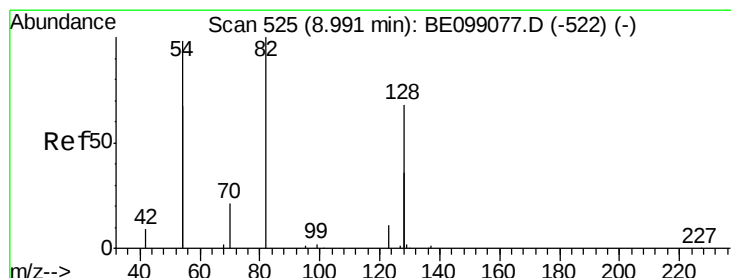
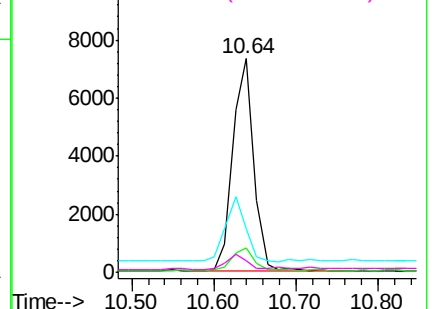
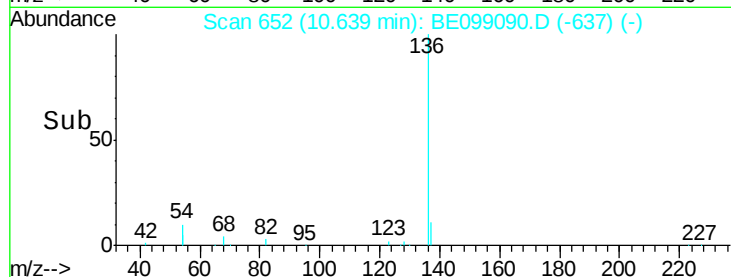


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.046 ng

RT: 9.16 min Scan# 538

Delta R.T. 0.17 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

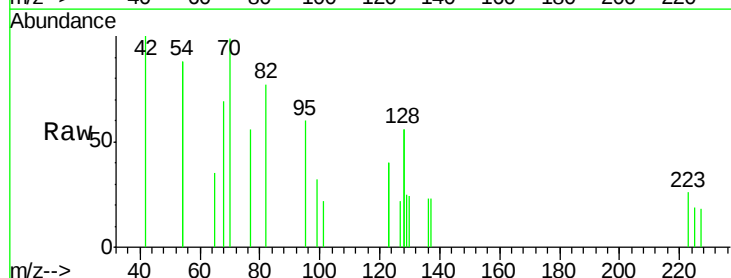
Tgt Ion: 82 Resp: 261

Ion Ratio Lower Upper

82 100

128 145.3 123.8 185.8

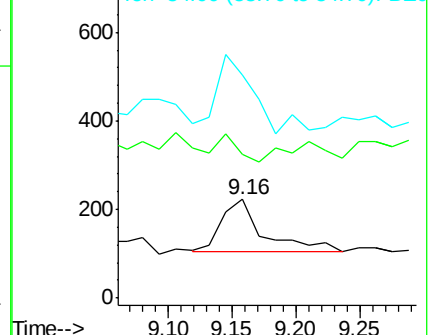
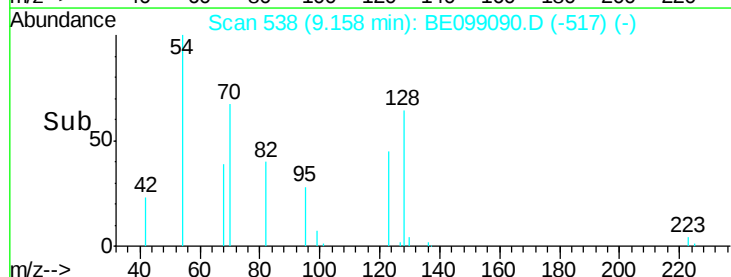
54 226.0 203.4 305.2

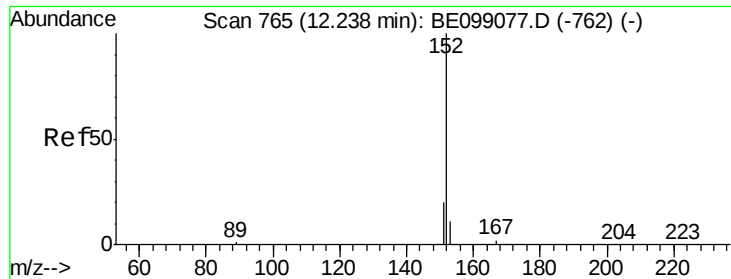


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

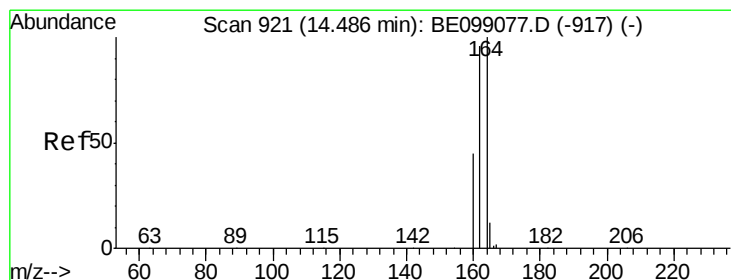
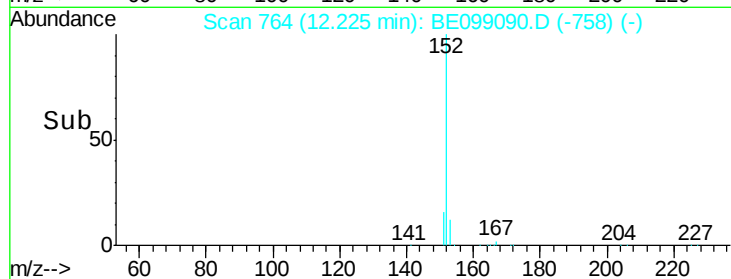
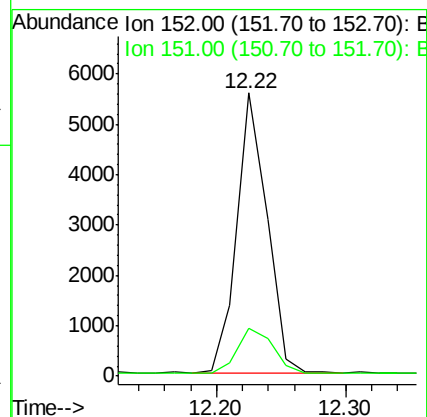
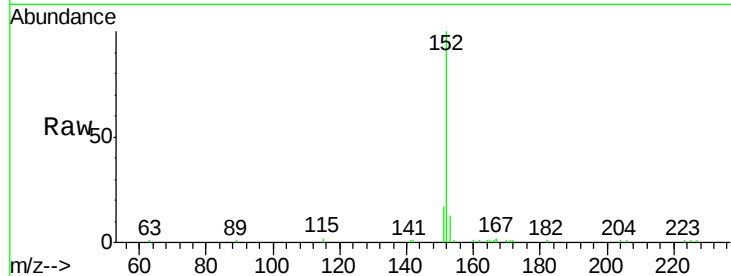




#11
 2-Methylnaphthalene-d10
 Concen: 0.383 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

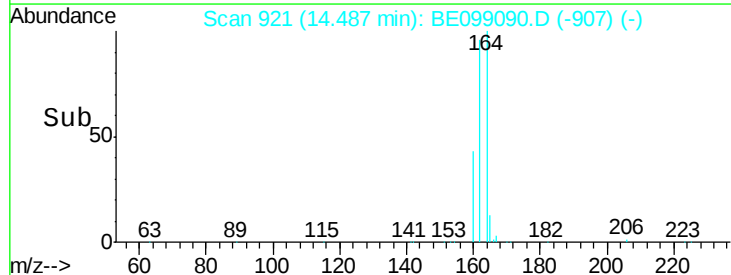
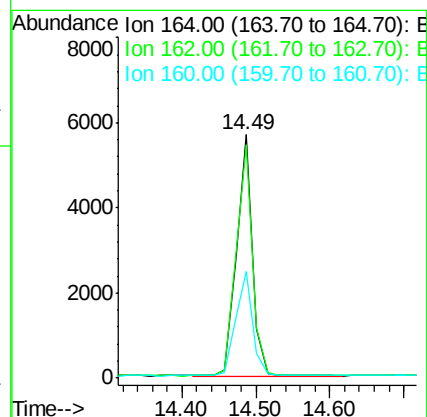
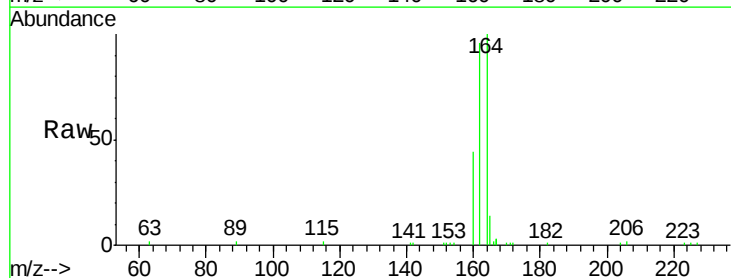
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

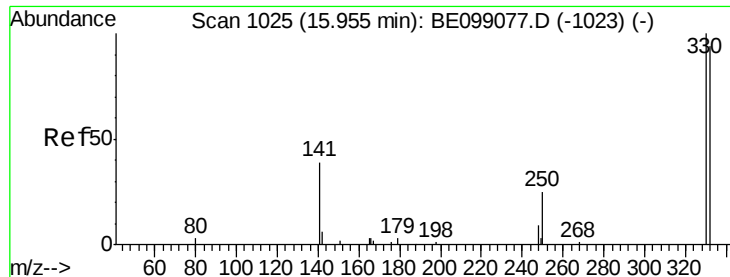
Tgt Ion:152 Resp: 8896
 Ion Ratio Lower Upper
 152 100
 151 19.1 16.5 24.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Tgt Ion:164 Resp: 8479
 Ion Ratio Lower Upper
 164 100
 162 95.8 80.2 120.2
 160 43.8 37.8 56.8





#14

2,4,6-Tribromophenol

Concen: 0.529 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

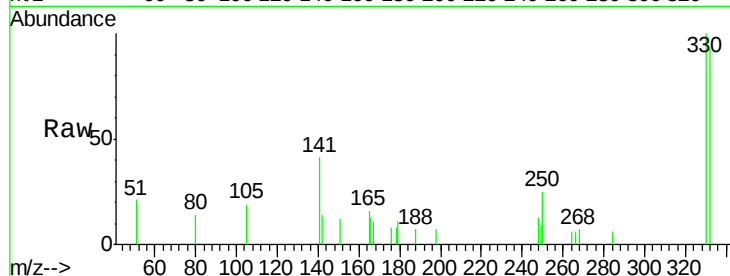
Tgt Ion:330 Resp: 1318

Ion Ratio Lower Upper

330 100

332 98.2 77.6 116.4

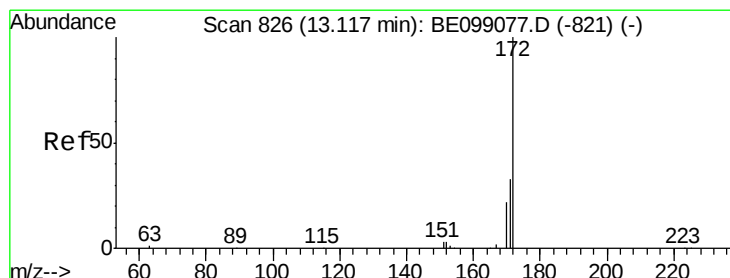
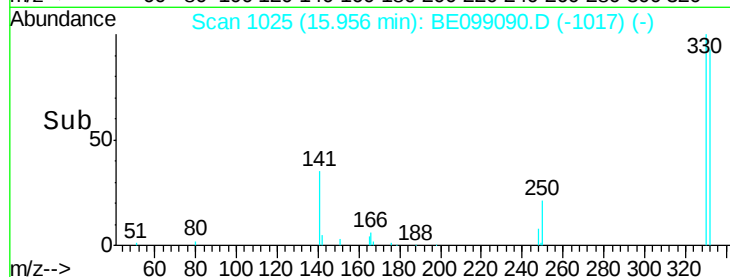
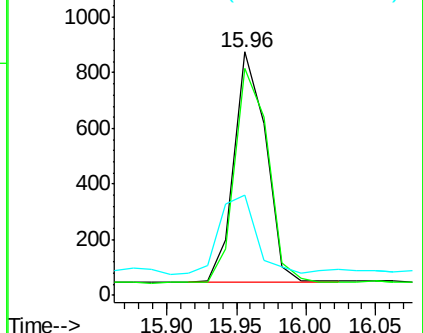
141 40.1 31.0 46.4



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: 0.366 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

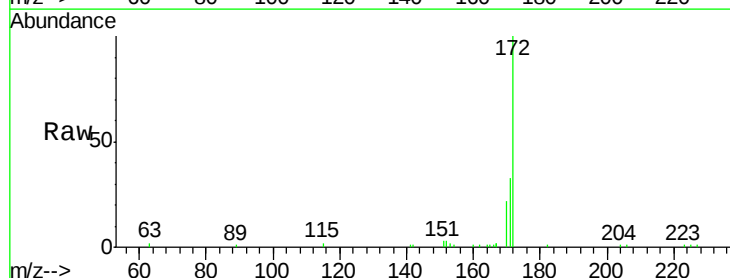
Tgt Ion:172 Resp: 12347

Ion Ratio Lower Upper

172 100

171 33.1 28.0 42.0

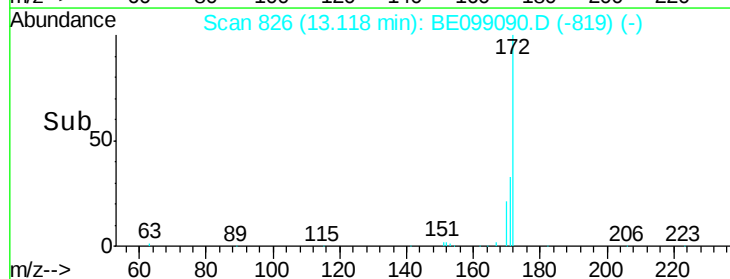
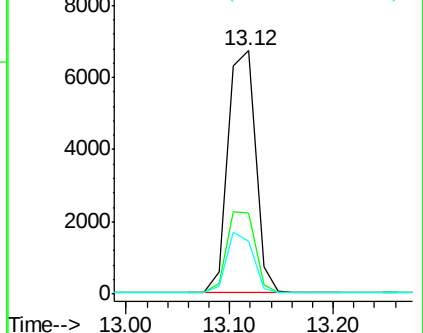
170 21.9 17.7 26.5

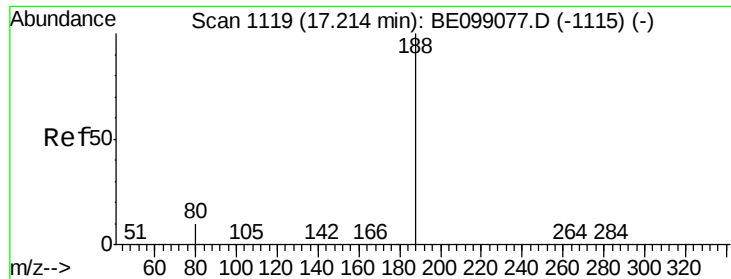


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

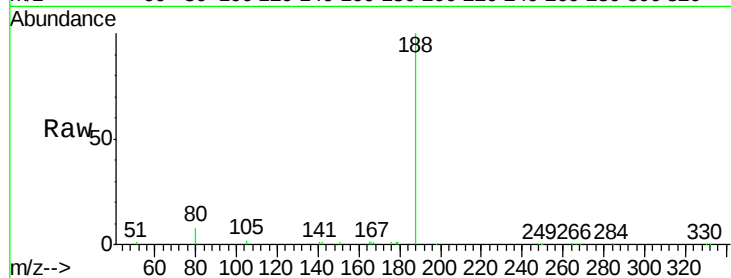
Tgt Ion:188 Resp: 23240

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

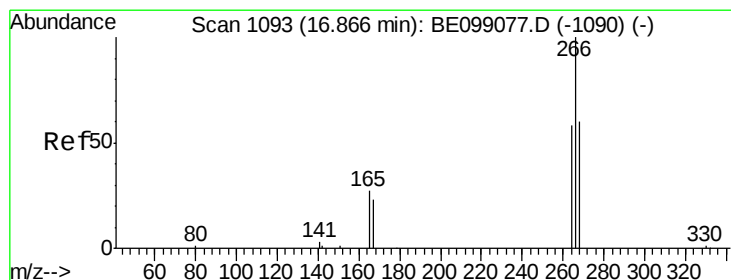
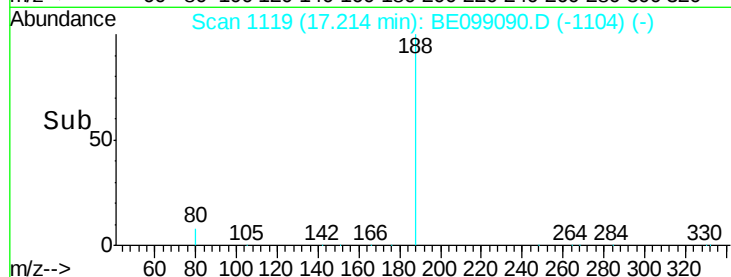
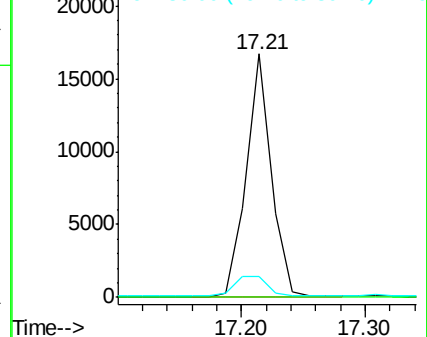
80 8.5 6.3 9.5



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: 0.261 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

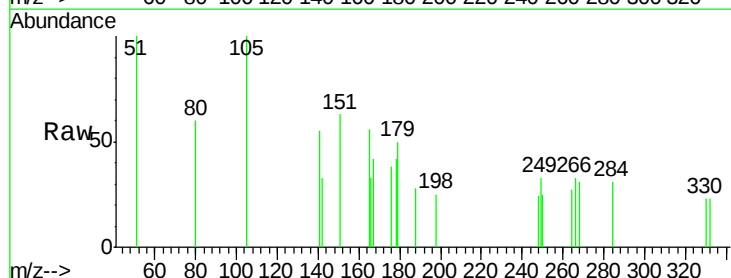
Tgt Ion:266 Resp: 49

Ion Ratio Lower Upper

266 100

264 82.4 66.6 100.0

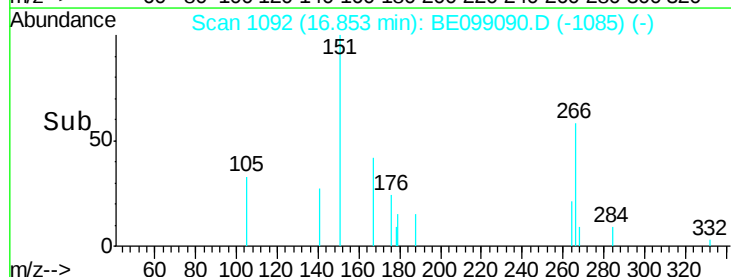
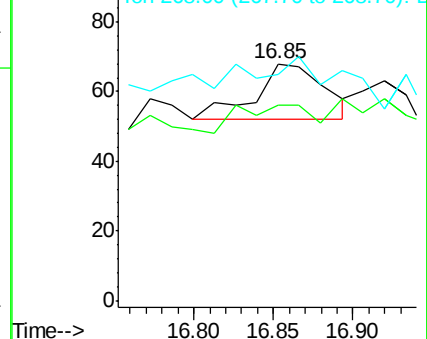
268 95.6 69.8 104.8

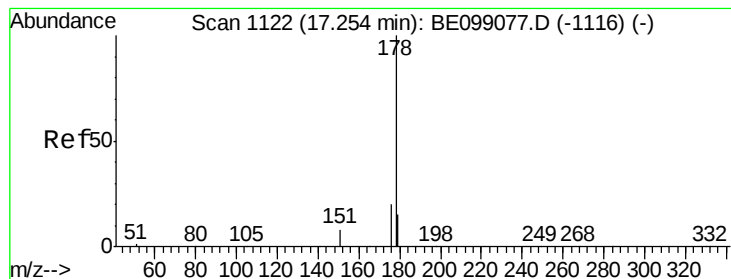


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.070 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

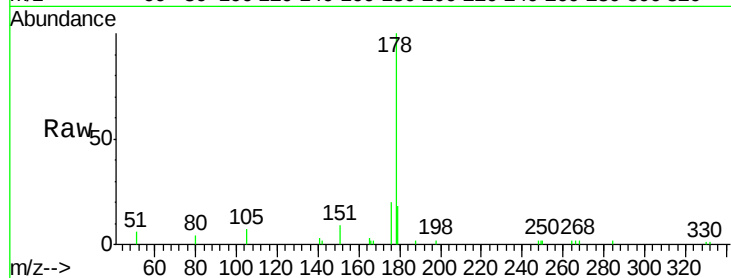
Tgt Ion:178 Resp: 4833

Ion Ratio Lower Upper

178 100

176 21.6 16.0 24.0

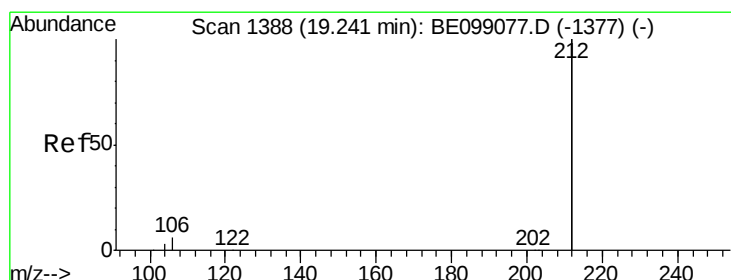
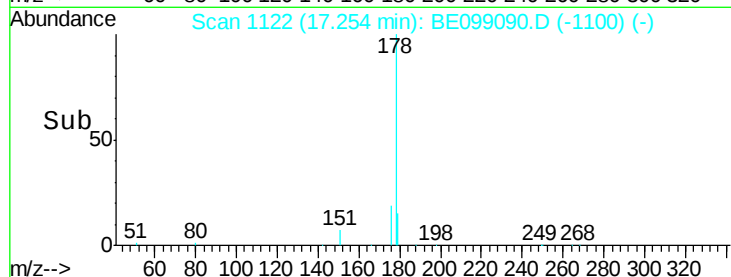
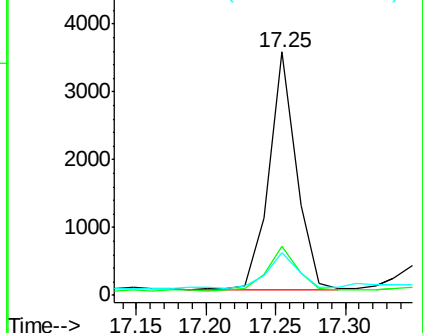
179 17.5 12.1 18.1



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: 0.366 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

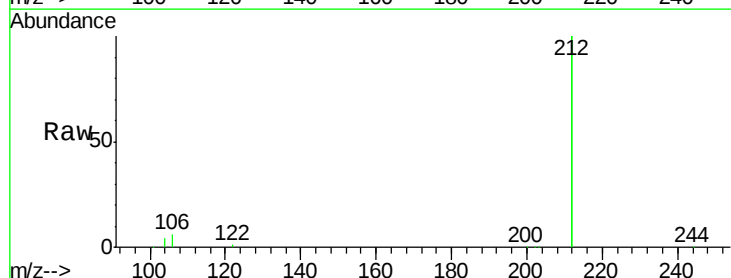
Tgt Ion:212 Resp: 113565

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

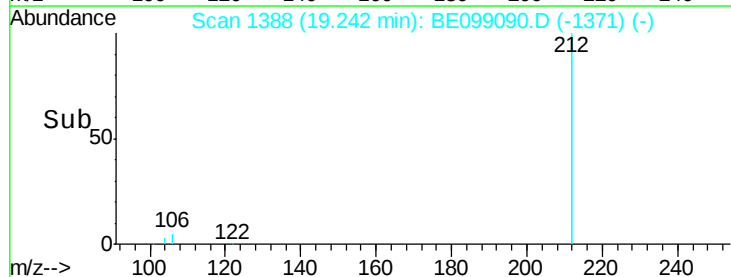
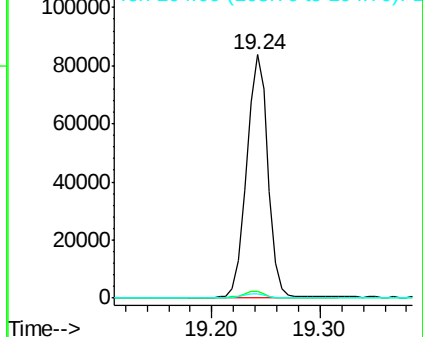
104 1.6 1.0 1.6#

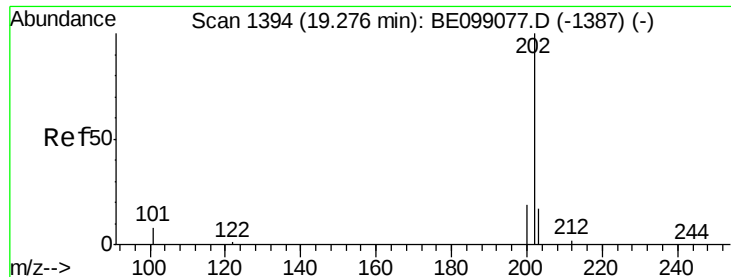


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

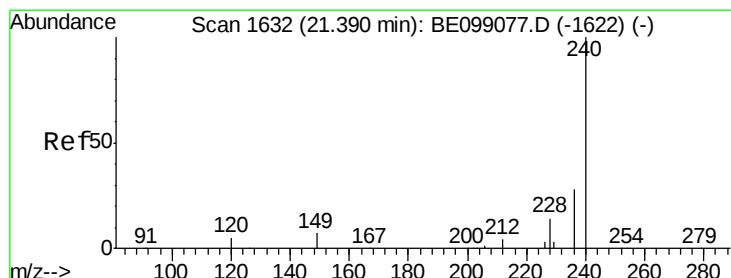
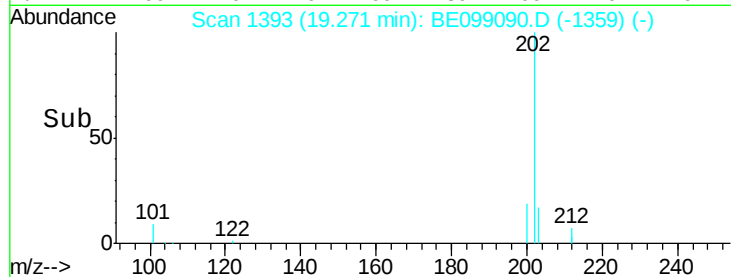
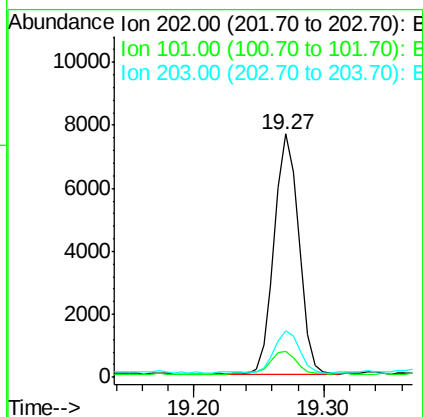
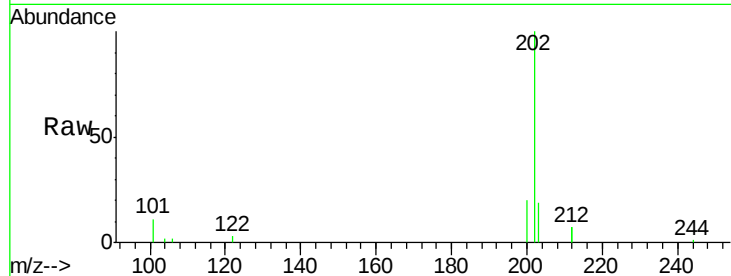




#26
Fluoranthene
Concen: 0.104 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

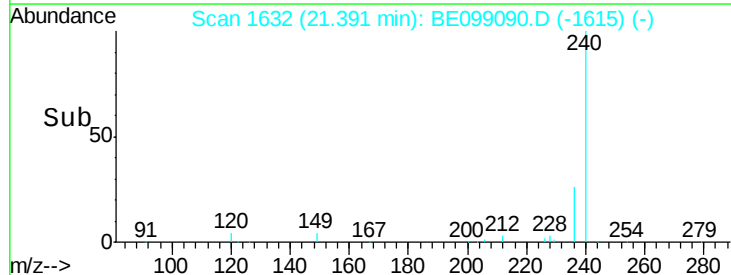
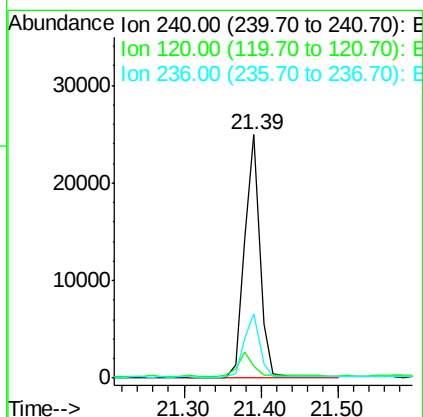
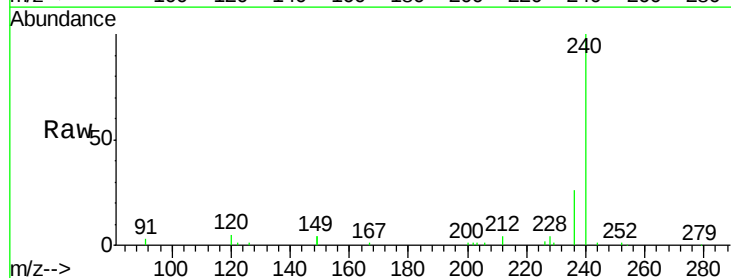
Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

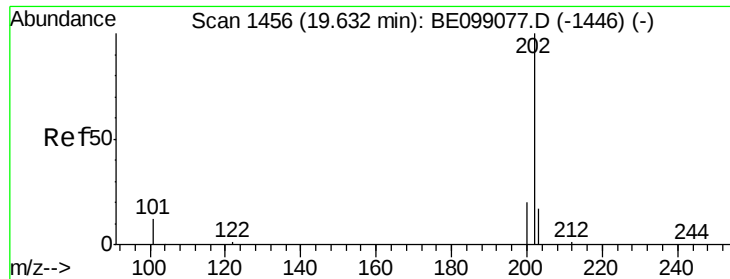
Tgt Ion:202 Resp: 10085
Ion Ratio Lower Upper
202 100
101 11.0 7.3 10.9#
203 17.4 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion:240 Resp: 34041
Ion Ratio Lower Upper
240 100
120 4.9 5.0 7.4#
236 26.5 22.7 34.1





#28

Pyrene

Concen: 0.088 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

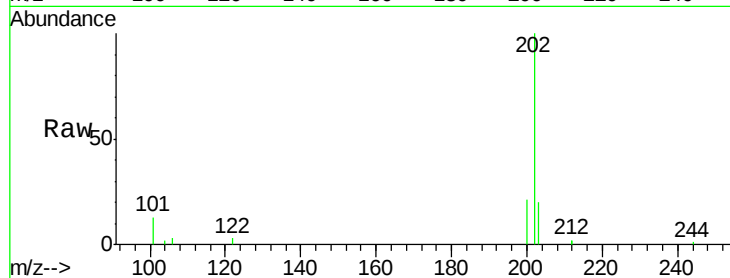
Tgt Ion:202 Resp: 10143

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

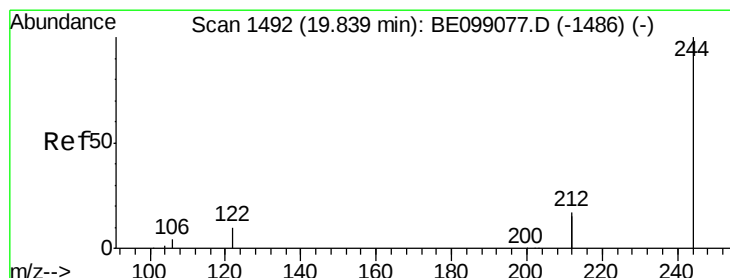
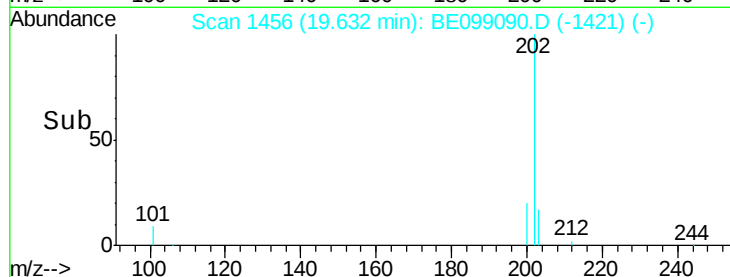
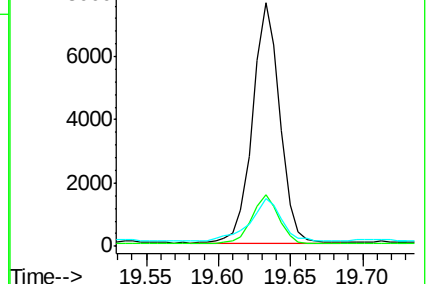
203 21.0 14.2 21.2



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: 0.240 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

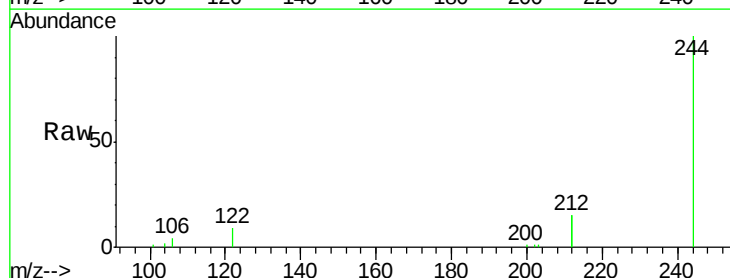
Tgt Ion:244 Resp: 17282

Ion Ratio Lower Upper

244 100

212 30.9 29.4 44.2

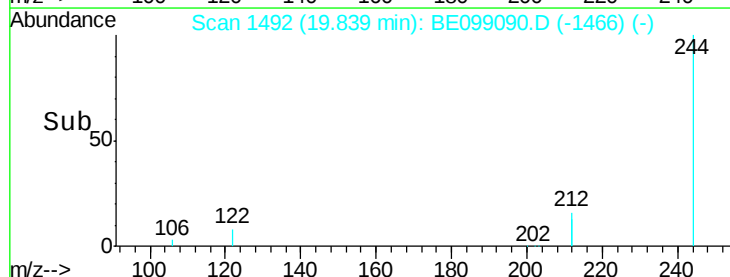
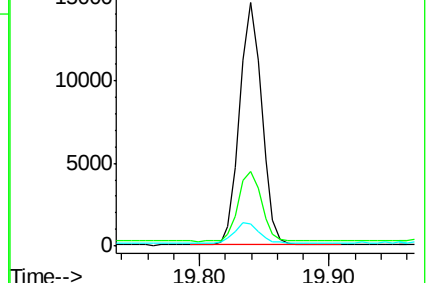
122 9.2 7.1 10.7

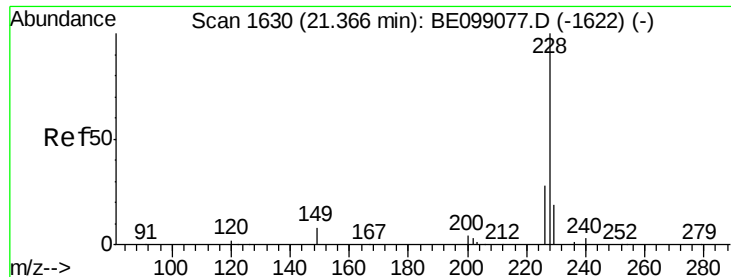


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.062 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.06 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

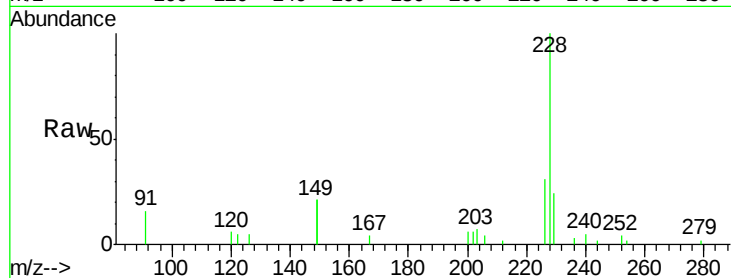
Tgt Ion:228 Resp: 7423

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.4

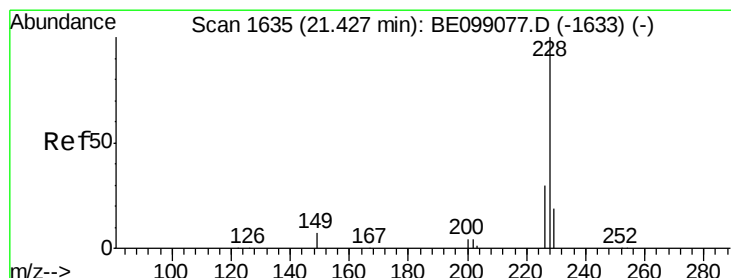
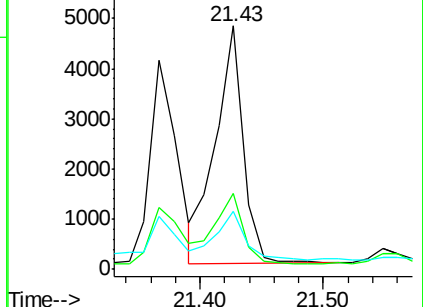
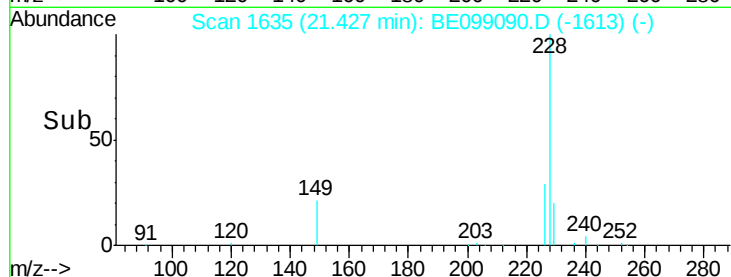
229 23.7 16.5 24.7



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: 0.061 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

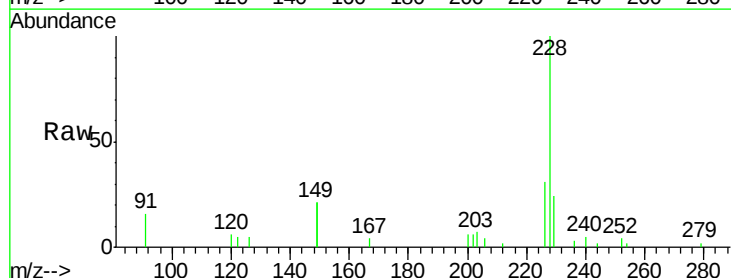
Tgt Ion:228 Resp: 7361

Ion Ratio Lower Upper

228 100

226 31.1 23.7 35.5

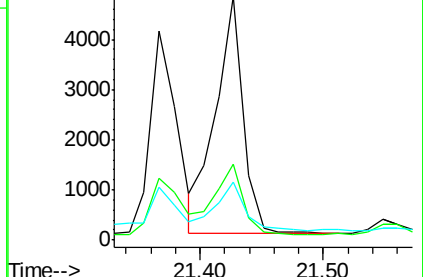
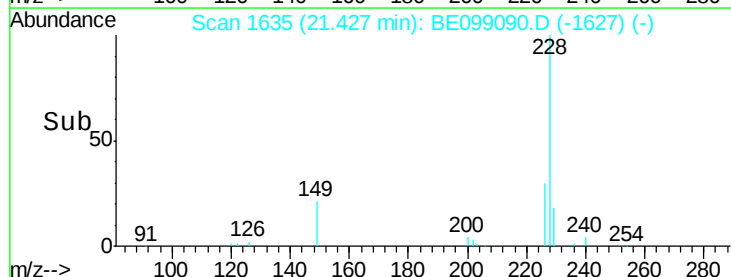
229 23.7 16.1 24.1

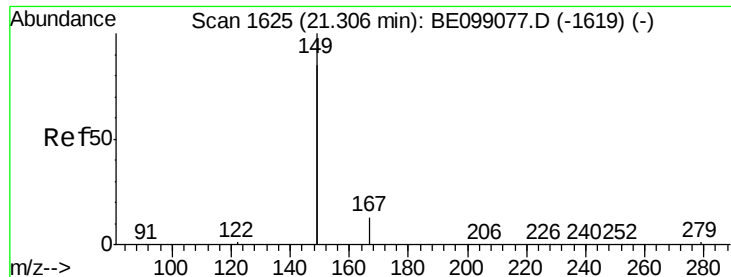


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

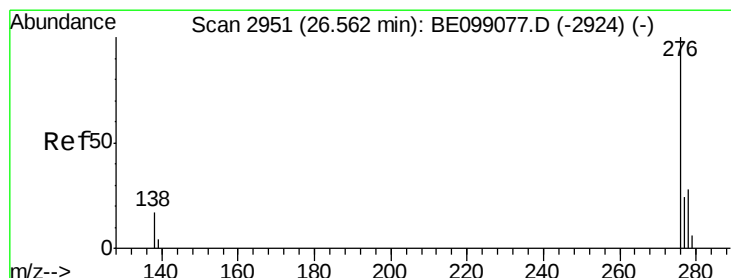
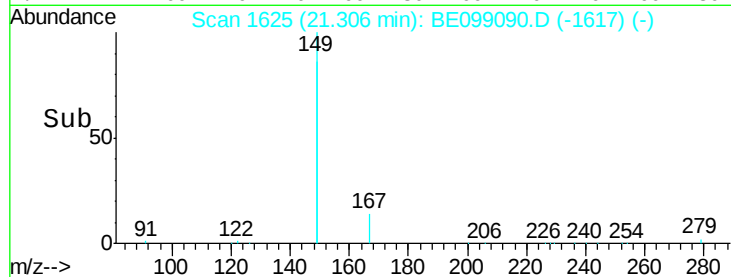
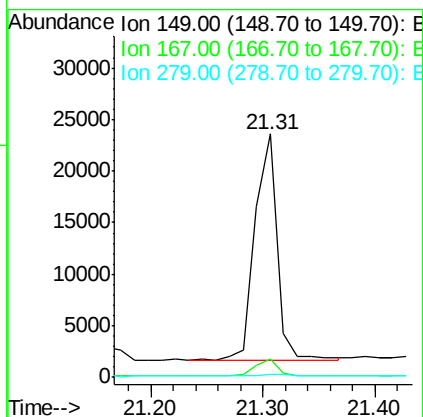
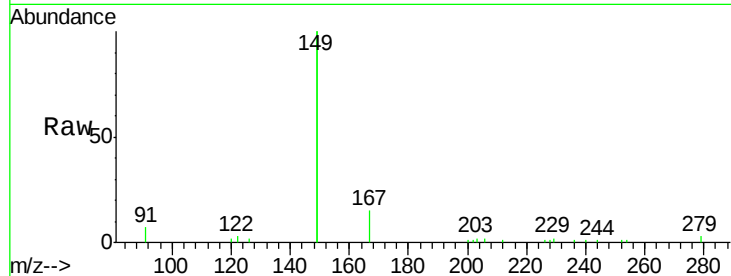




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.195 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

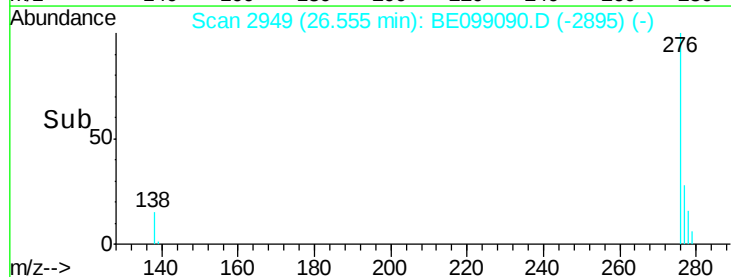
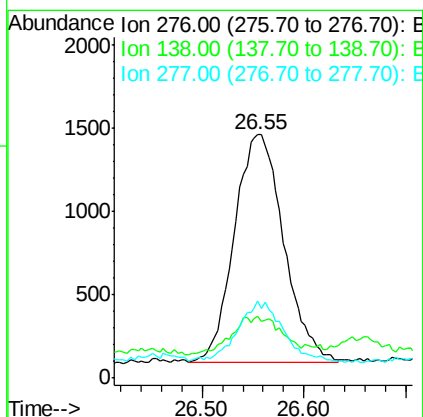
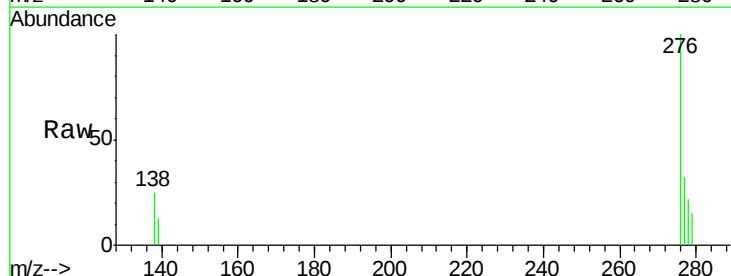
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

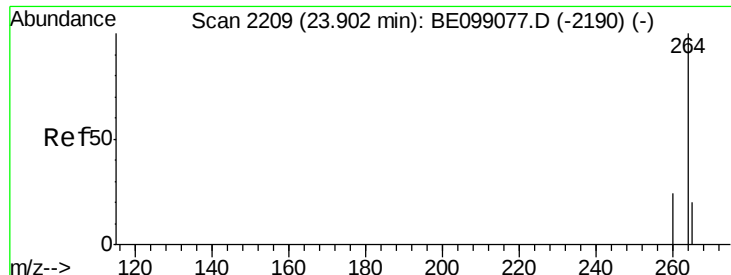
Tgt Ion: 149 Resp: 30335
 Ion Ratio Lower Upper
 149 100
 167 7.1 5.4 8.0
 279 1.0 1.0 1.4#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.036 ng
 RT: 26.55 min Scan# 2949
 Delta R.T. -0.01 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Tgt Ion: 276 Resp: 4636
 Ion Ratio Lower Upper
 276 100
 138 6.9 13.8 20.8#
 277 24.2 19.5 29.3

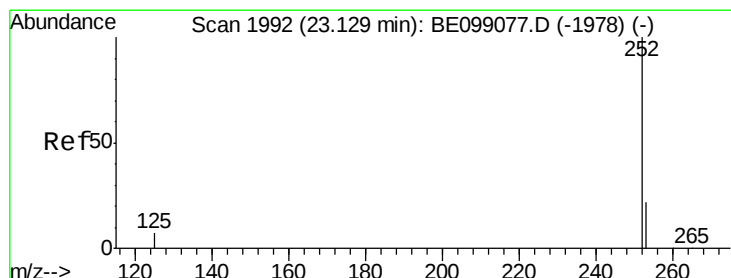
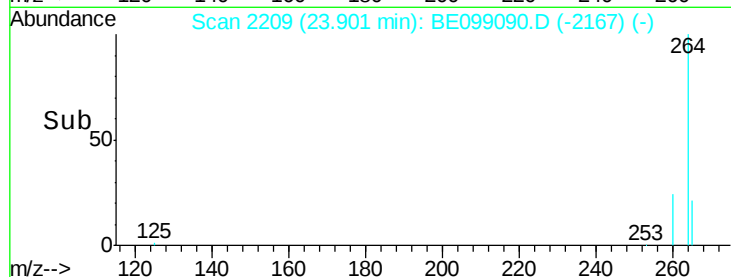
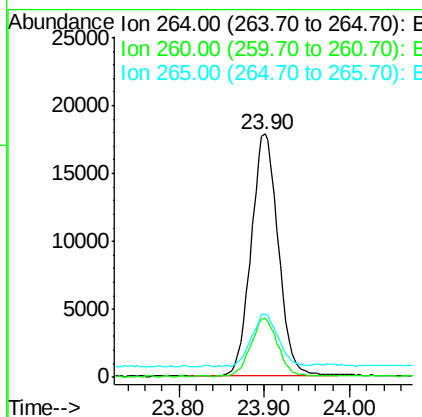
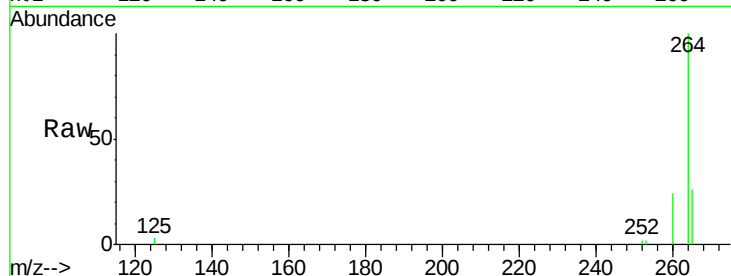




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

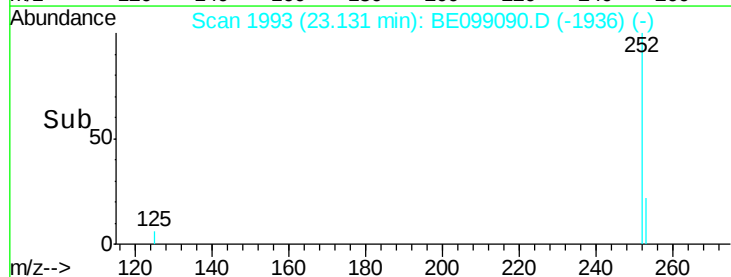
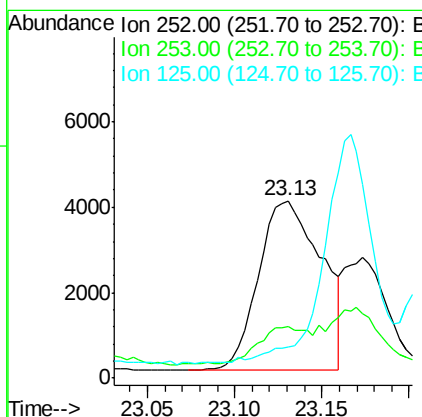
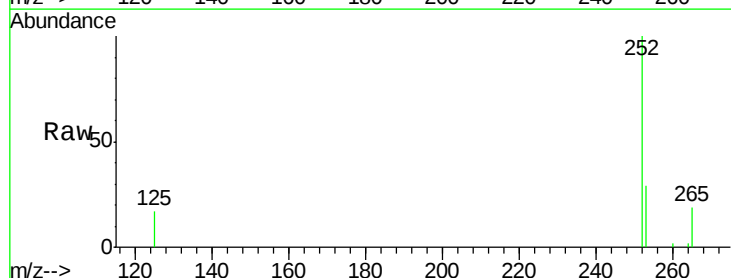
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

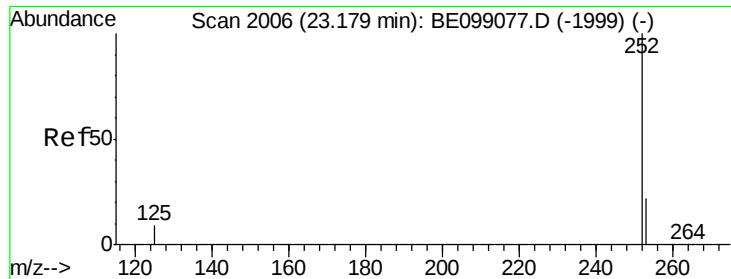
Tgt Ion: 264 Resp: 39490
 Ion Ratio Lower Upper
 264 100
 260 24.1 21.2 31.8
 265 25.7 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.073 ng
 RT: 23.13 min Scan# 1993
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Tgt Ion: 252 Resp: 9927
 Ion Ratio Lower Upper
 252 100
 253 29.2 18.2 27.2#
 125 17.5 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.074 ng

RT: 23.13 min Scan# 1993

Delta R.T. -0.05 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

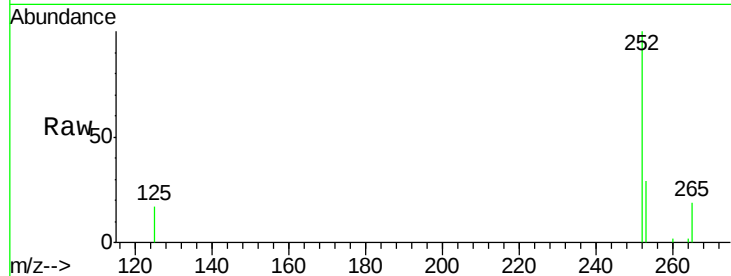
Tgt Ion:252 Resp: 9927

Ion Ratio Lower Upper

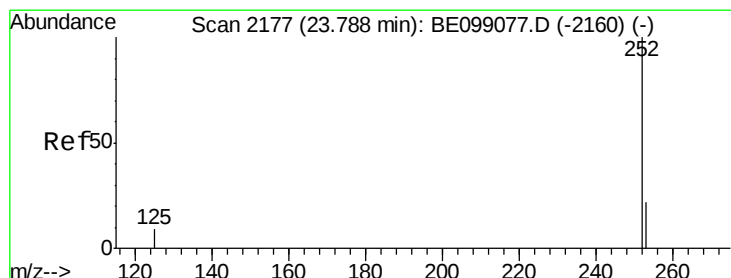
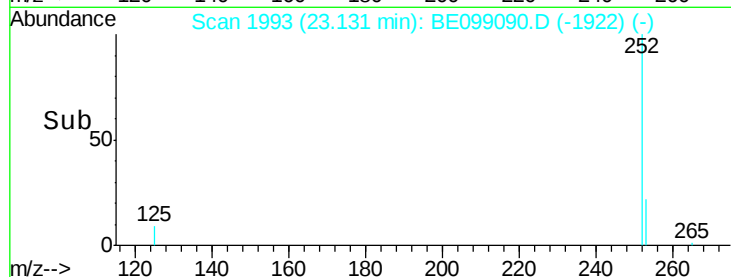
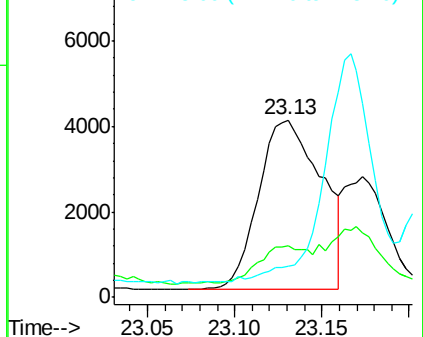
252 100

253 29.2 19.3 28.9#

125 17.5 7.5 11.3#



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: 0.050 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

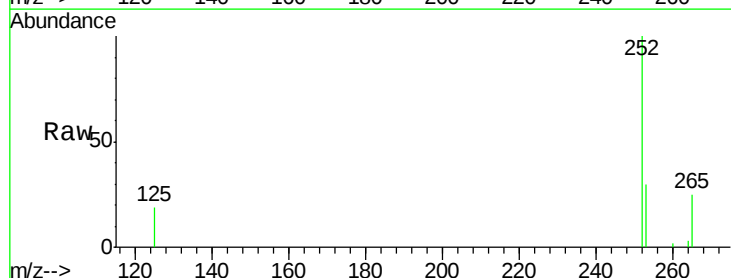
Tgt Ion:252 Resp: 6363

Ion Ratio Lower Upper

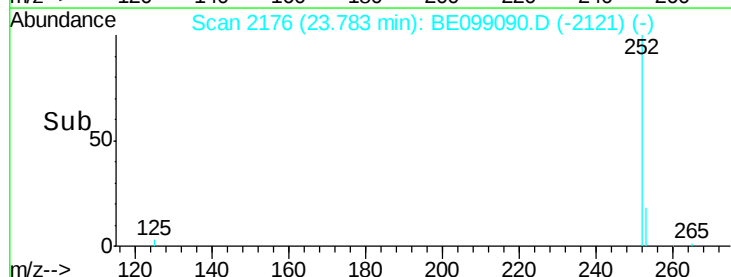
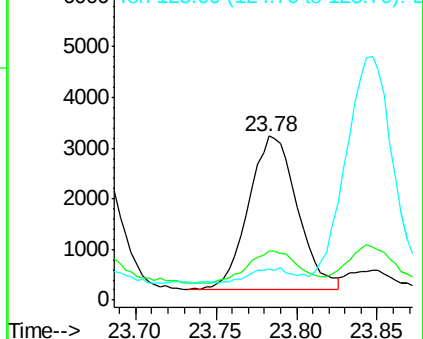
252 100

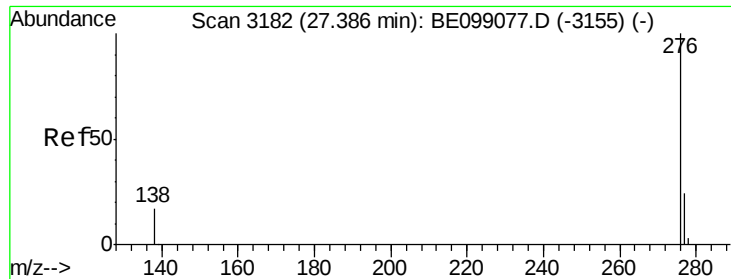
253 29.7 19.9 29.9

125 19.1 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: 0.037 ng

RT: 27.38 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE099090.D

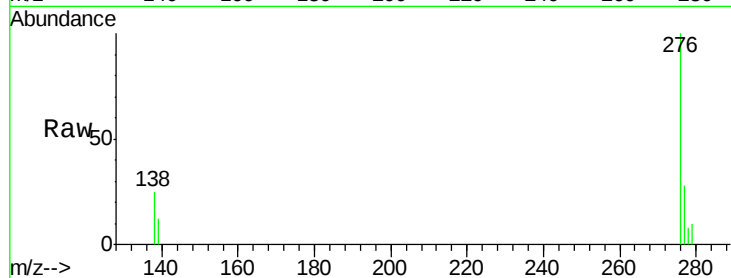
Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319



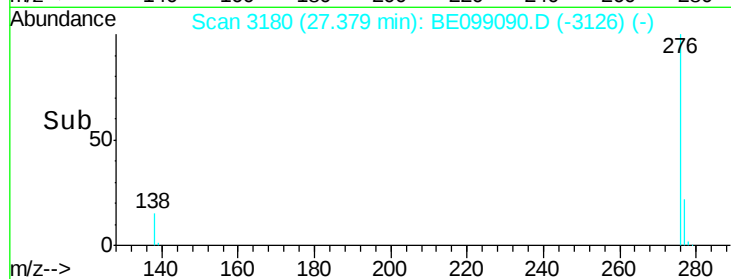
Tgt Ion: 276 Resp: 4625

Ion Ratio Lower Upper

276 100

277 28.3 20.4 30.6

138 25.0 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

