

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099364.D
 Acq On : 25 Apr 2019 16:50
 Operator : JU/SJ
 Sample : K2534-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW065-042219

Quant Time: Apr 26 00:42:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	4496	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	17905	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	12744	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	33316	0.40	ng	0.00
27) Chrysene-d12	21.37	240	35899	0.40	ng	0.00
34) Perylene-d12	23.86	264	40768	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	3640	0.33	ng	0.00
5) Phenol-d6	6.98	99	5447	0.35	ng	0.00
8) Nitrobenzene-d5	8.96	82	4342	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	8534	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2330	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13135	0.26	ng	0.00
25) Fluoranthene-d10	19.22	212	101615	0.25	ng	0.00
29) Terphenyl-d14	19.82	244	20673	0.29	ng	0.00

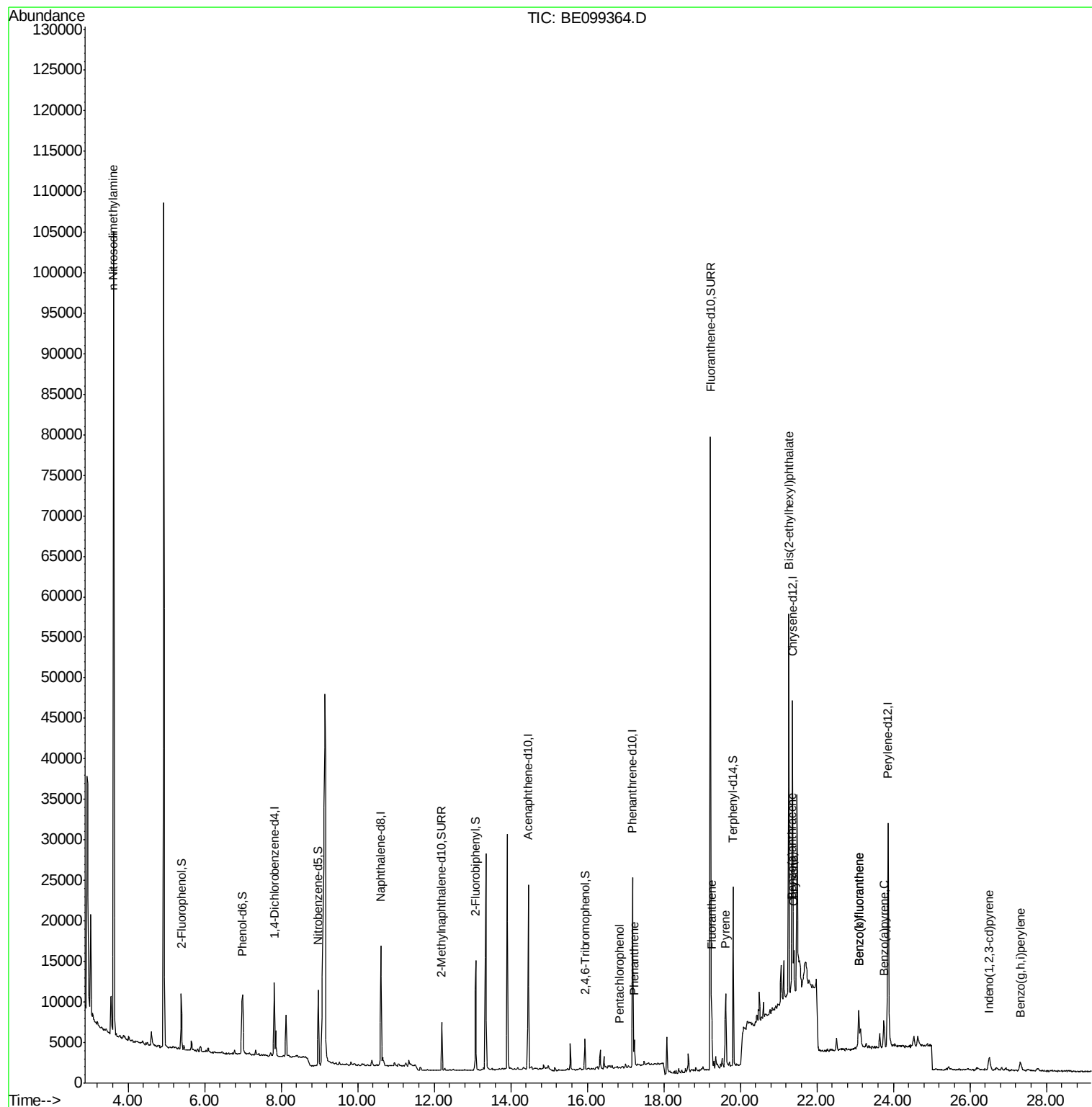
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.61	42	7646	2.257	ng	# 1
22) Pentachlorophenol	16.84	266	23	0.223	ng	# 66
23) Phenanthrene	17.23	178	3404	0.039	ng	# 93
26) Fluoranthene	19.25	202	7115	0.060	ng	# 87
28) Pyrene	19.61	202	7534	0.071	ng	# 92
30) Benzo(a)anthracene	21.34	228	4052	0.038	ng	# 76
31) Chrysene	21.40	228	4683	0.042	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.27	149	53420	0.556	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	2943	0.027	ng	# 86
35) Benzo(b)fluoranthene	23.10	252	6067	0.049	ng	# 1
36) Benzo(k)fluoranthene	23.10	252	6067	0.049	ng	# 1
37) Benzo(a)pyrene	23.75	252	4105	0.037	ng	# 1
39) Benzo(a,h,i)perylene	27.32	276	2834	0.024	ng	# 61

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

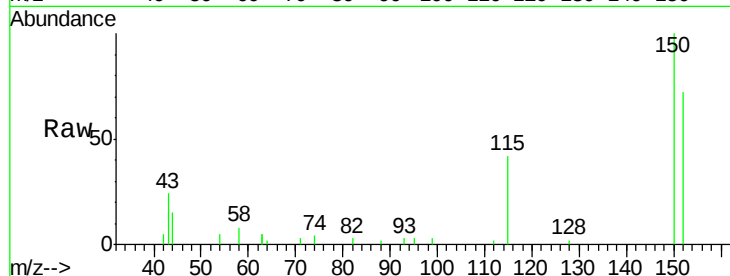
Tot Ion:152 Resp: 4496

Ion Ratio Lower Upper

152 100

150 139.6 119.5 179.3

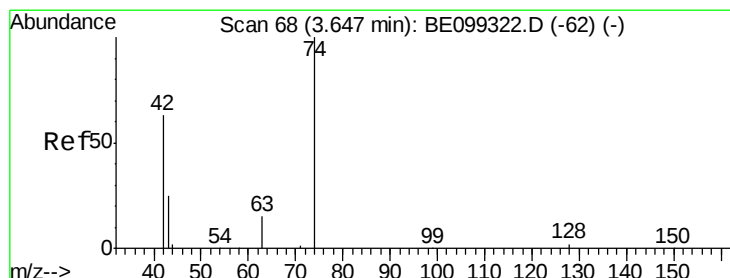
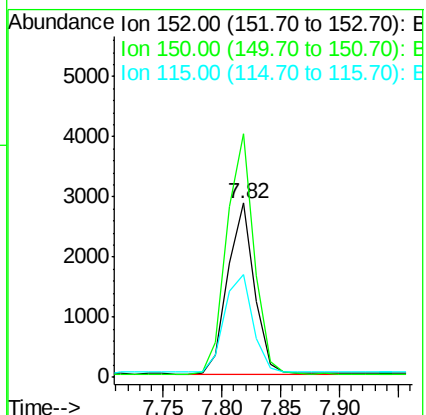
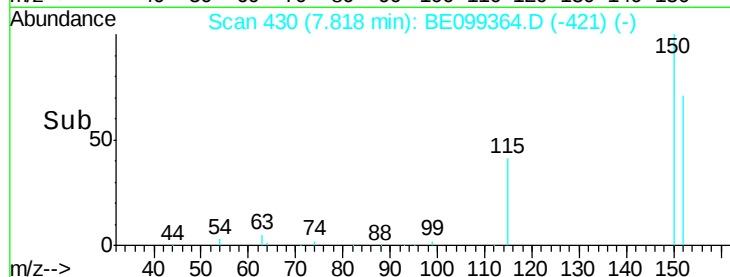
115 59.2 47.5 71.3



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: 2.257 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.04 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

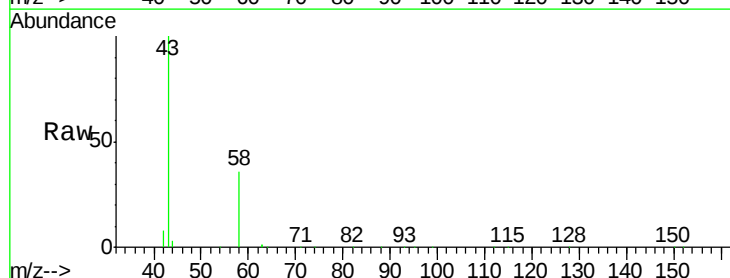
Tgt Ion: 42 Resp: 7646

Ion Ratio Lower Upper

42 100

74 0.6 145.8 218.8#

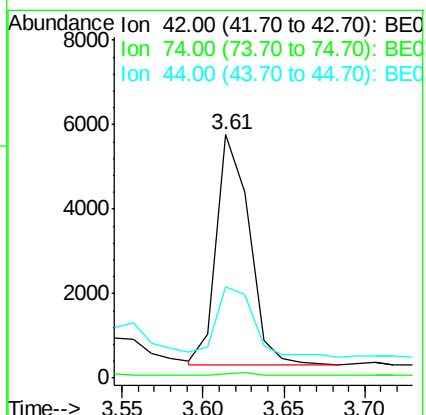
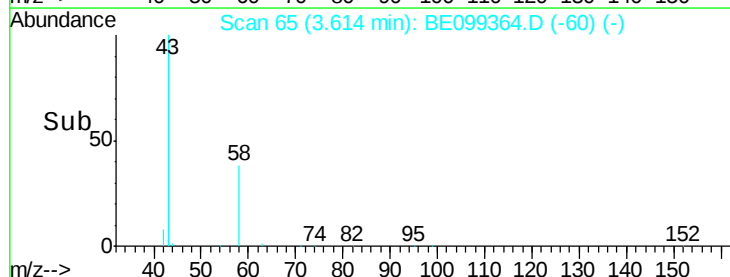
44 34.7 9.0 13.4#

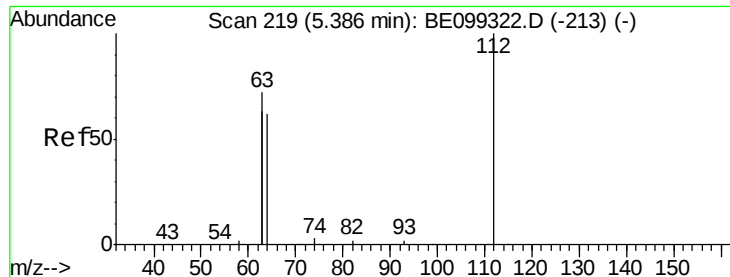


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.331 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

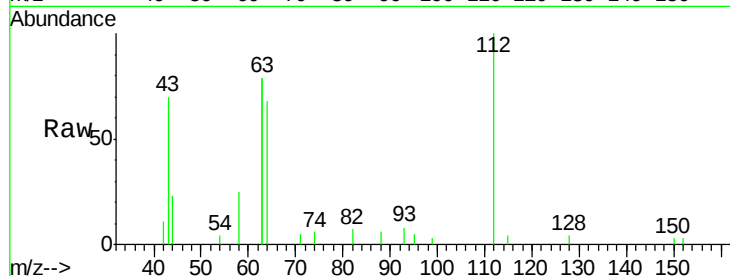
Tot Ion:112 Resp: 3640

Ion Ratio Lower Upper

112 100

64 56.3 44.9 67.3

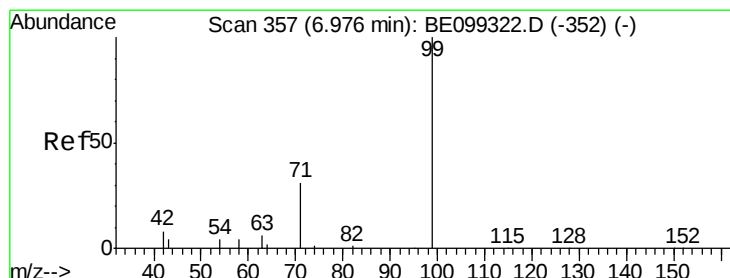
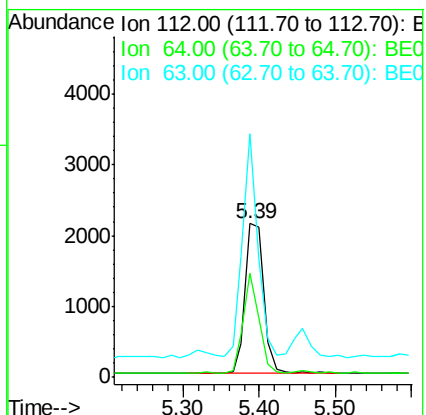
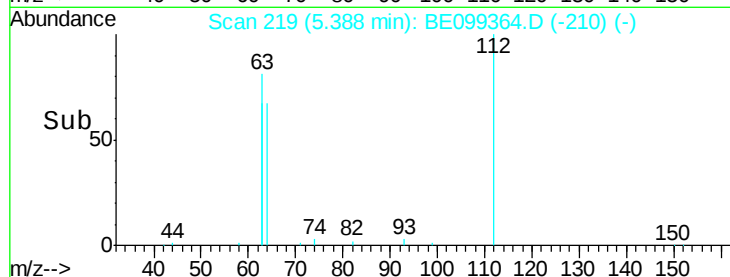
63 120.7 97.4 146.0



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: 0.347 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

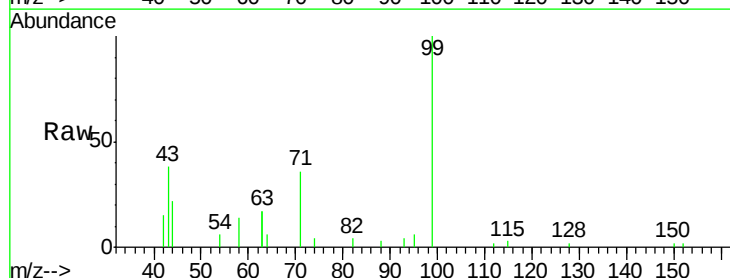
Tgt Ion: 99 Resp: 5447

Ion Ratio Lower Upper

99 100

42 21.5 11.7 17.5#

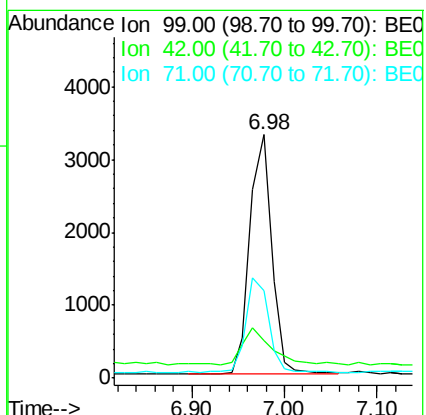
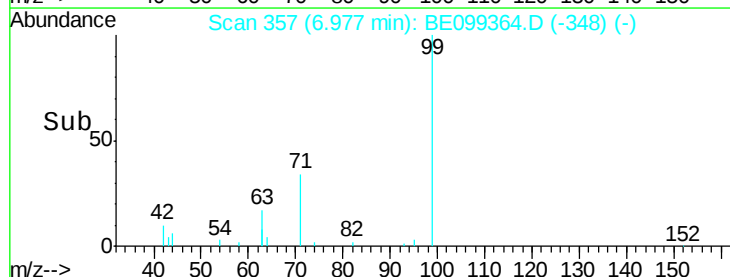
71 41.0 29.6 44.4

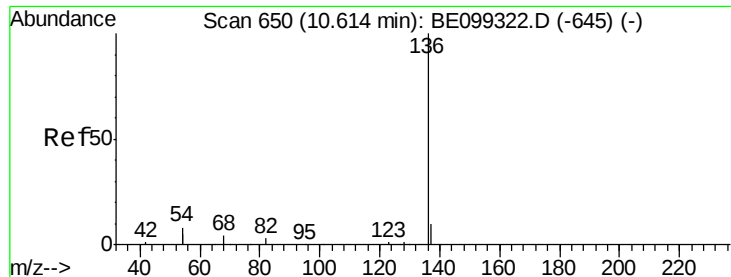


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

Tot Ion:136 Resp: 17905

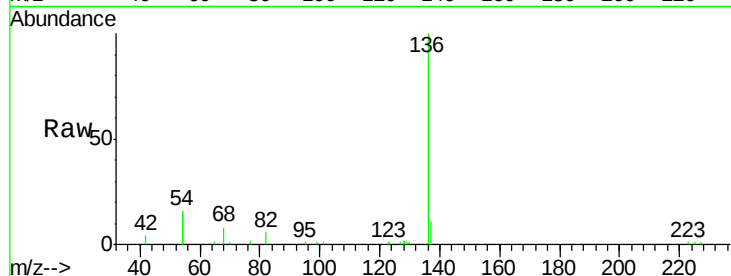
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 31.2 23.8 35.8

68 7.8 6.4 9.6

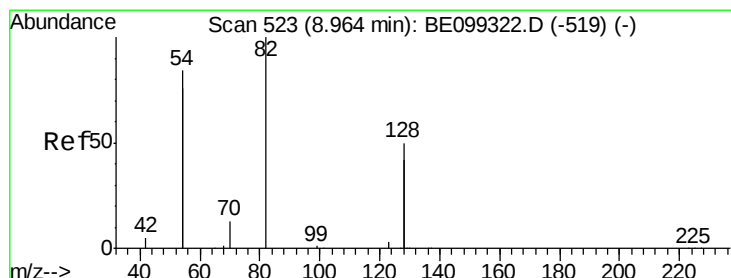
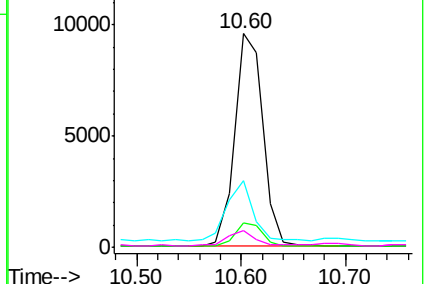
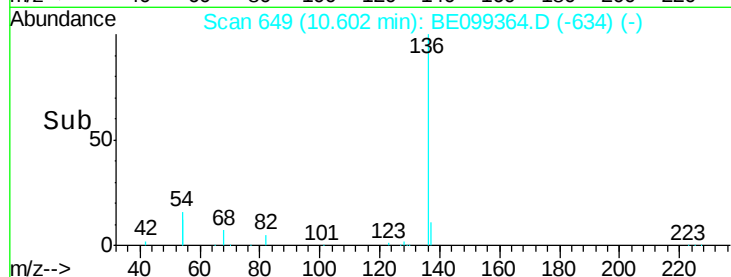


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.312 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

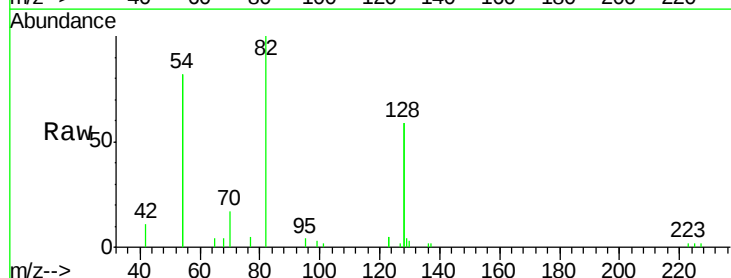
Tgt Ion: 82 Resp: 4342

Ion Ratio Lower Upper

82 100

128 117.9 91.7 137.5

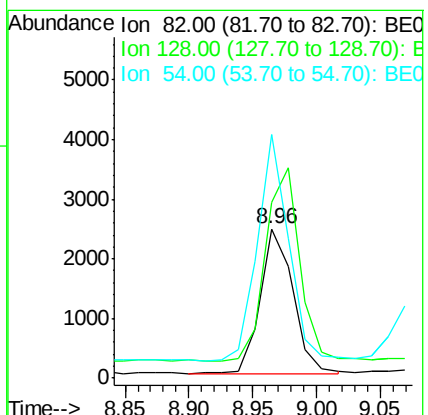
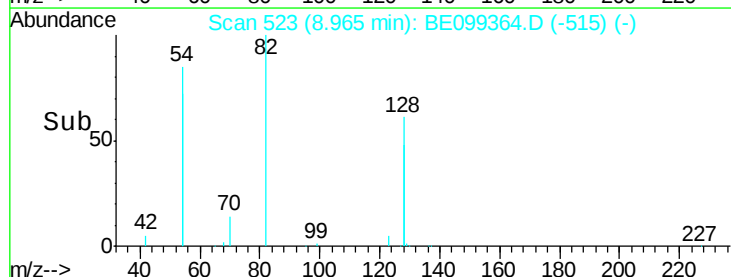
54 163.4 122.8 184.2

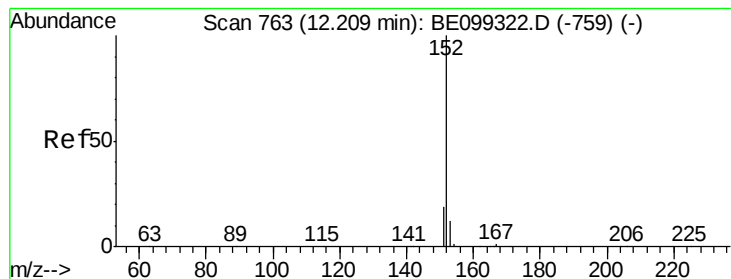


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.270 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

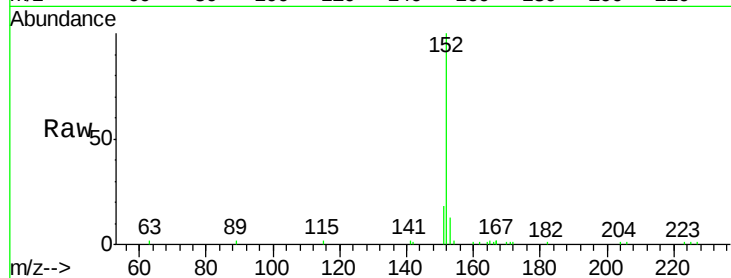
EXT-074-SW065-042219

Tot Ion:152 Resp: 8534

Ion Ratio Lower Upper

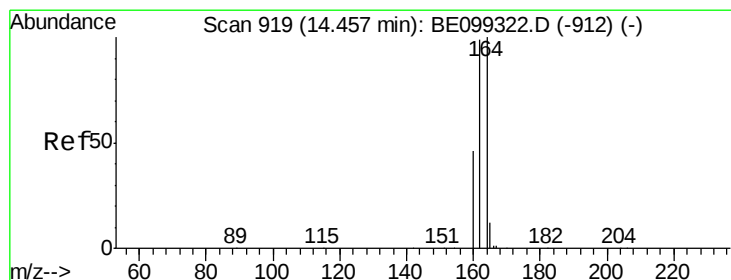
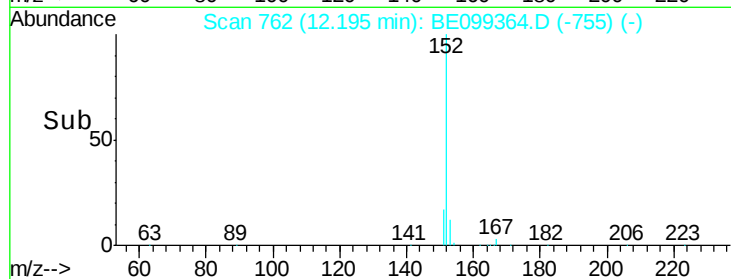
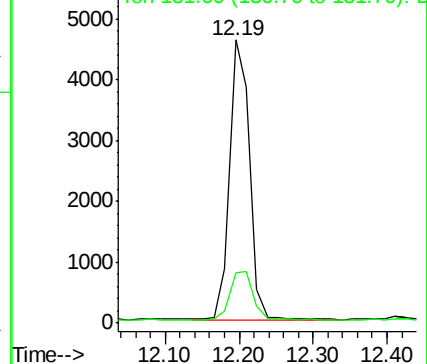
152 100

151 20.1 14.9 22.3



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# 919

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

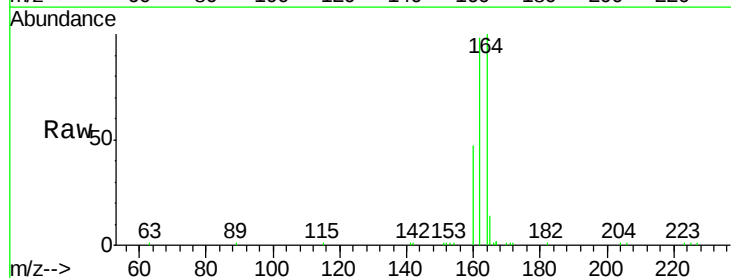
Tgt Ion:164 Resp: 12744

Ion Ratio Lower Upper

164 100

162 98.4 77.8 116.6

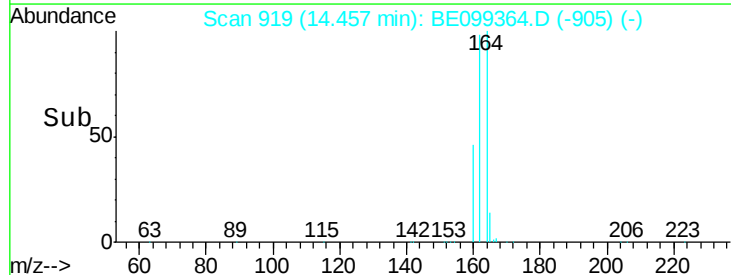
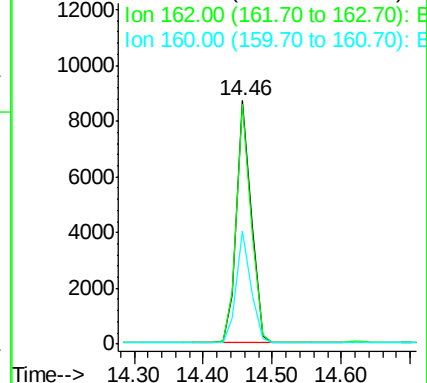
160 46.5 37.1 55.7

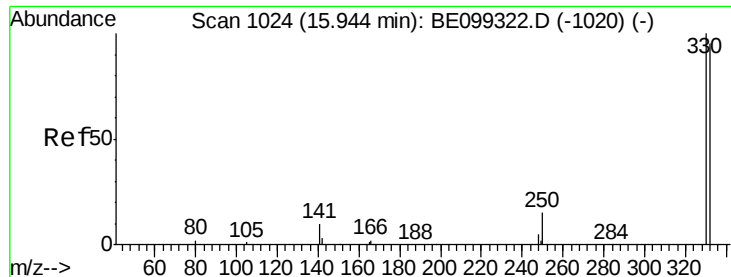


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

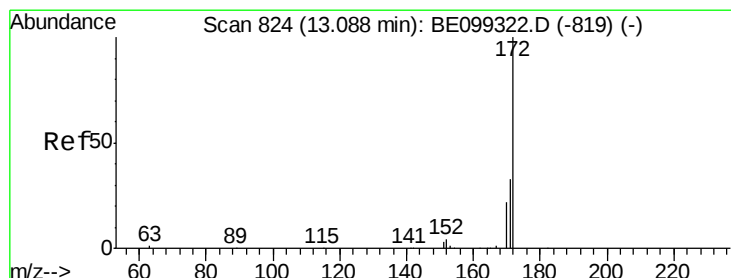
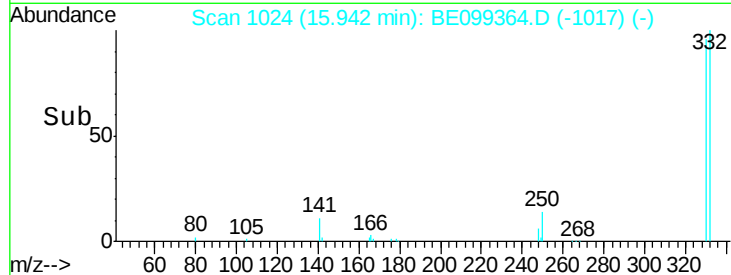
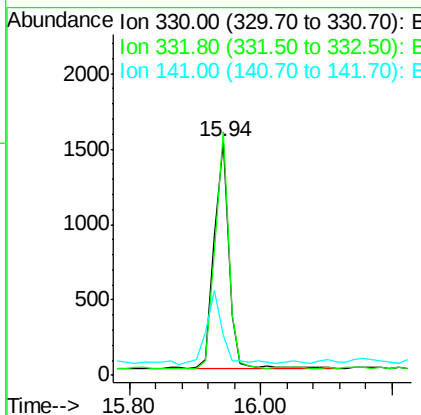
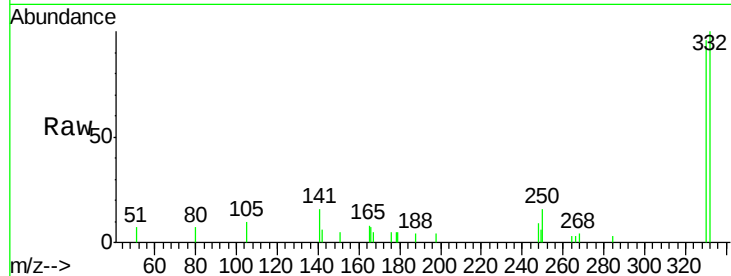




#14
 2,4,6-Tribromophenol
 Concen: 0.550 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099364.D
 Acq: 25 Apr 2019 16:50

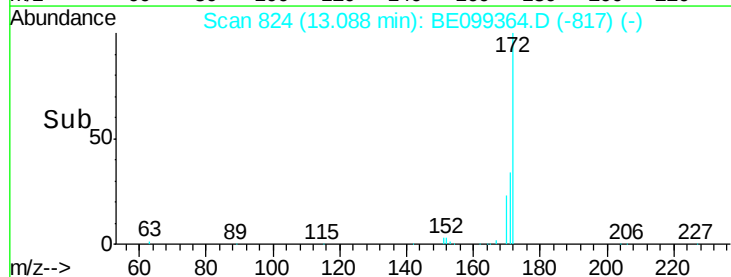
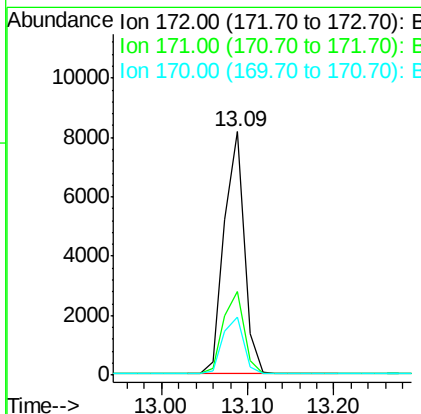
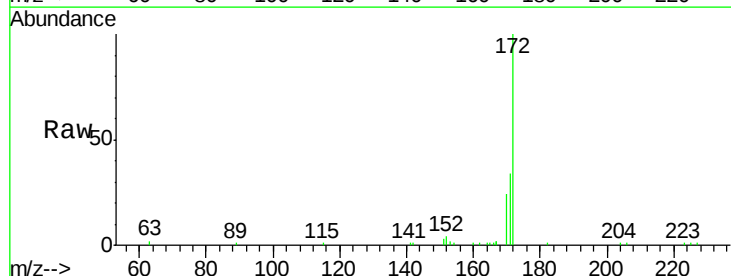
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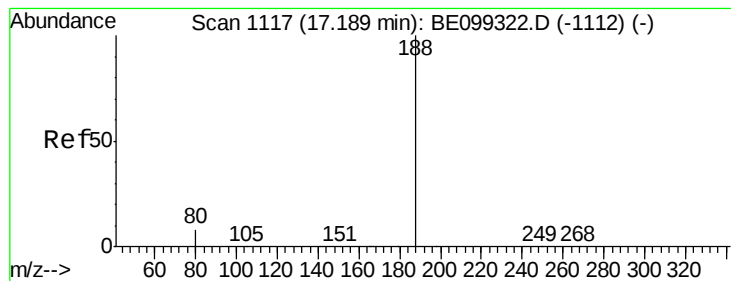
Tot Ion:330 Resp: 2330
 Ion Ratio Lower Upper
 330 100
 332 97.0 82.5 123.7
 141 33.7 24.9 37.3



#15
 2-Fluorobiphenyl
 Concen: 0.262 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099364.D
 Acq: 25 Apr 2019 16:50

Tgt Ion:172 Resp: 13135
 Ion Ratio Lower Upper
 172 100
 171 34.5 26.2 39.2
 170 23.7 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

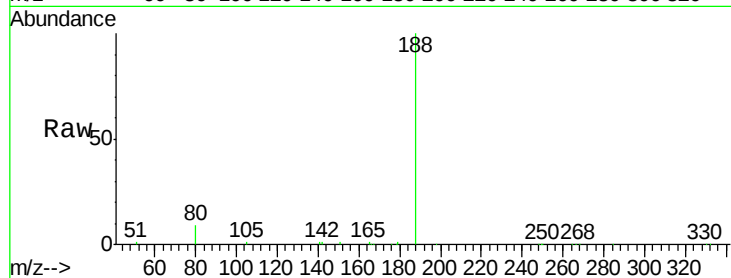
Tot Ion:188 Resp: 33316

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

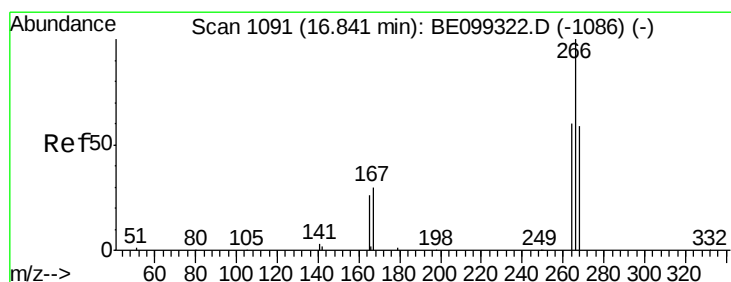
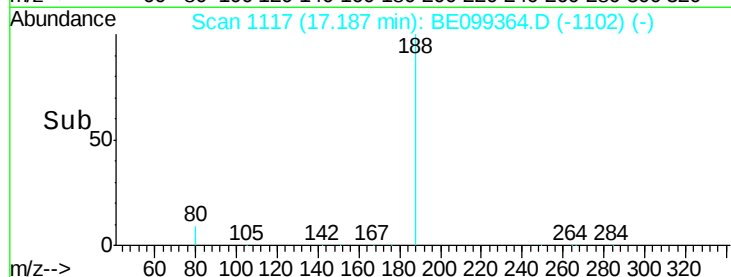
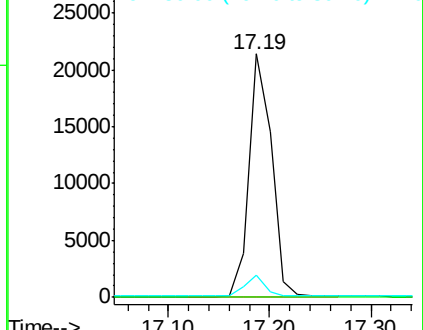
80 9.0 6.2 9.4



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: 0.223 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

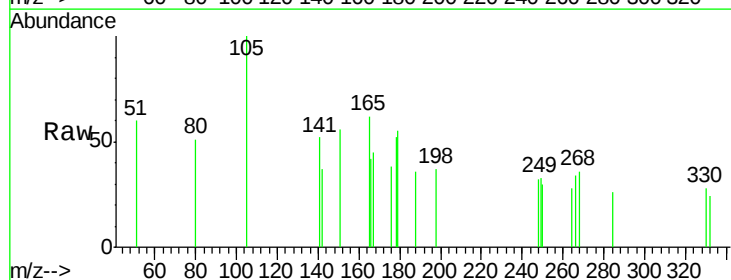
Tgt Ion:266 Resp: 23

Ion Ratio Lower Upper

266 100

264 83.3 54.5 81.7#

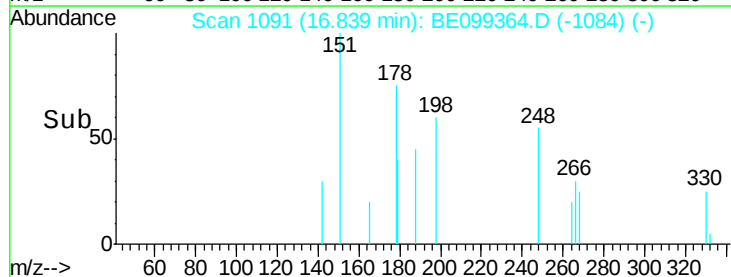
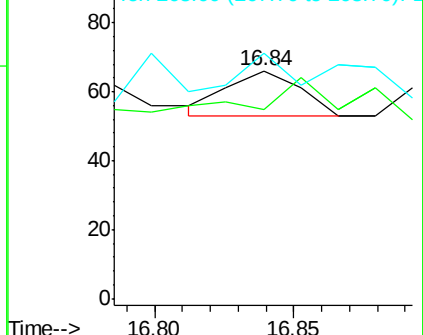
268 107.6 54.3 81.5#

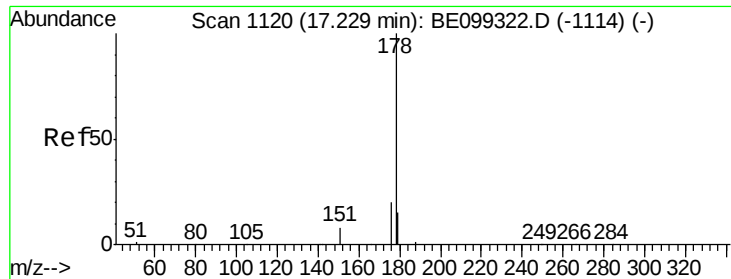


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.039 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

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EXT-074-SW065-042219

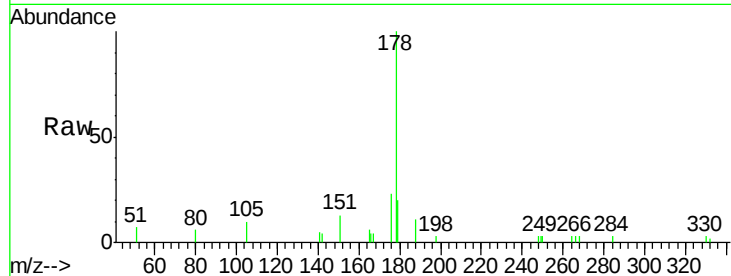
Tot Ion:178 Resp: 3404

Ion Ratio Lower Upper

178 100

176 22.8 15.3 22.9

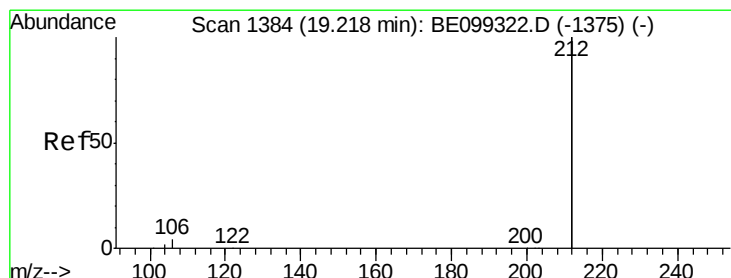
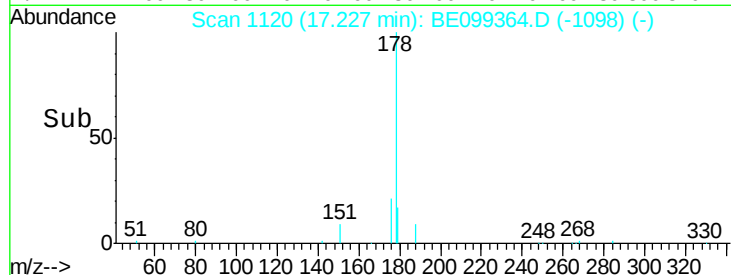
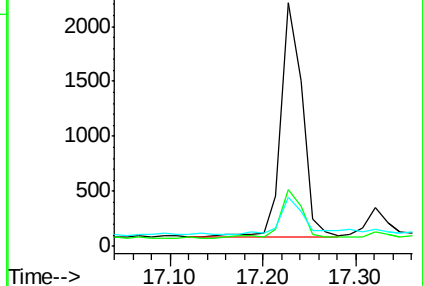
179 17.6 12.4 18.6



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: 0.254 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

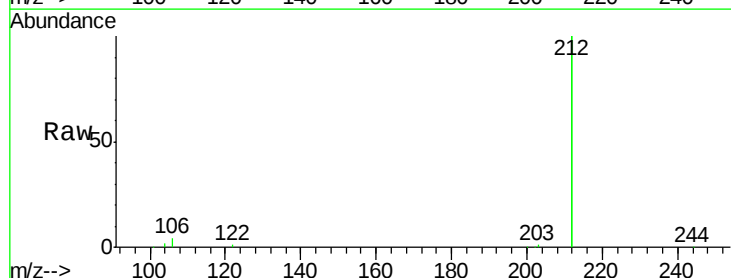
Tgt Ion:212 Resp: 101615

Ion Ratio Lower Upper

212 100

106 2.1 1.8 2.6

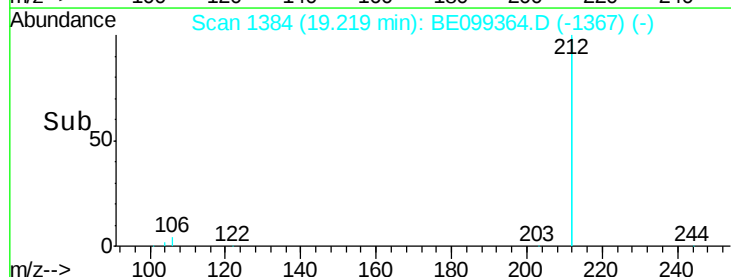
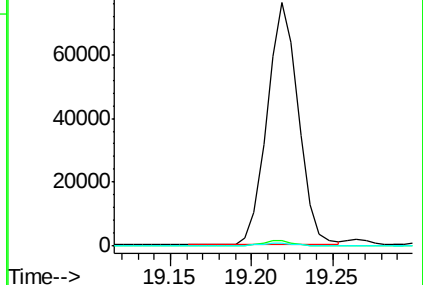
104 1.2 1.0 1.4

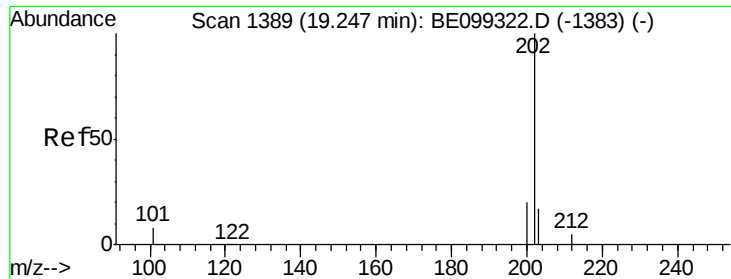


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

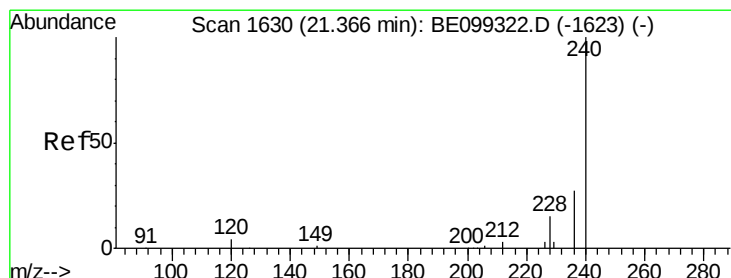
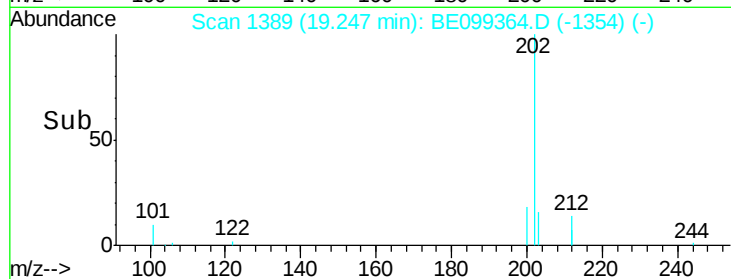
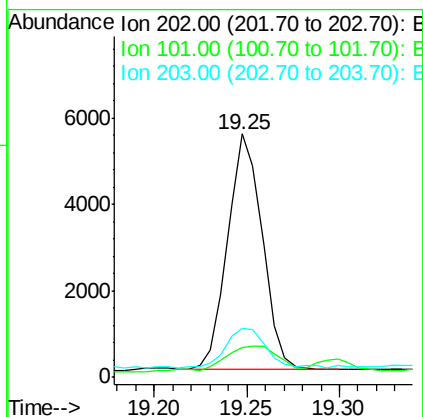
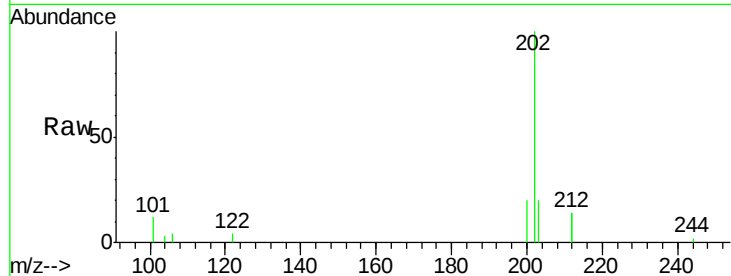




#26
Fluoranthene
 Concen: 0.060 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BE099364.D
 Acq: 25 Apr 2019 16:50

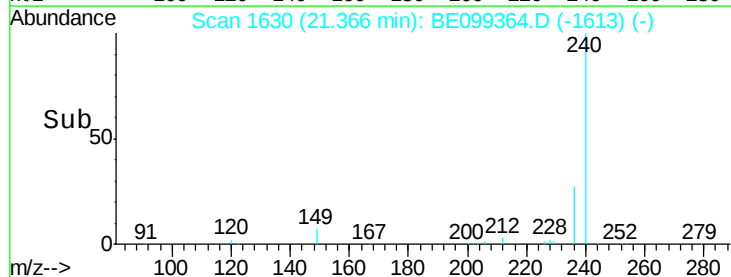
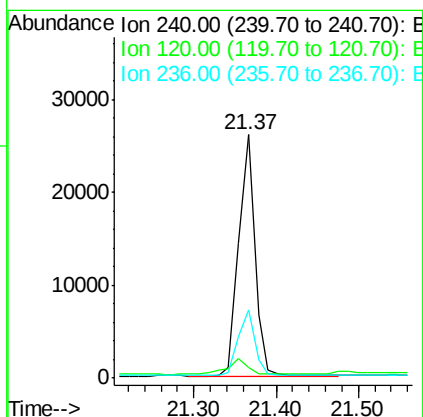
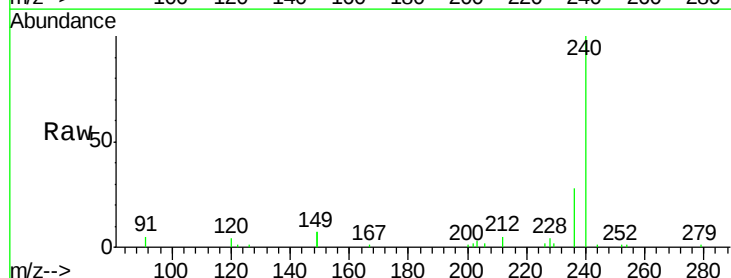
Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW065-042219

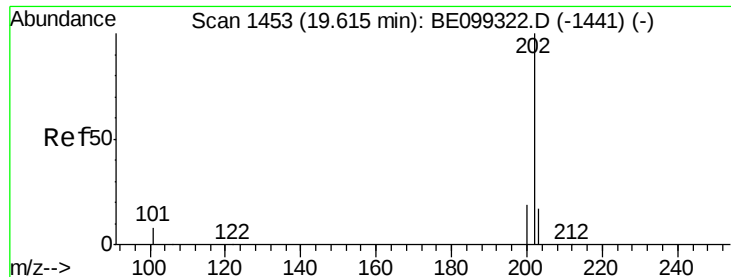
Tot Ion:202 Resp: 7115
 Ion Ratio Lower Upper
 202 100
 101 17.4 6.4 9.6#
 203 19.8 13.5 20.3



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099364.D
 Acq: 25 Apr 2019 16:50

Tgt Ion:240 Resp: 35899
 Ion Ratio Lower Upper
 240 100
 120 4.3 2.2 3.2#
 236 27.8 20.2 30.4

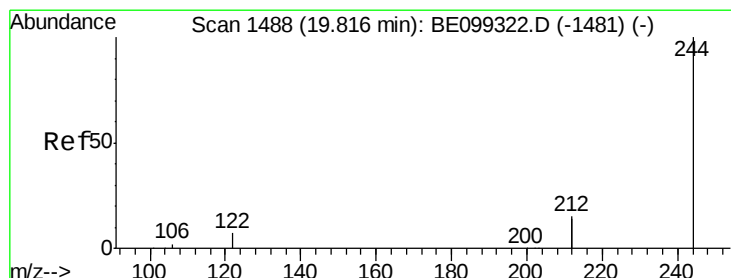
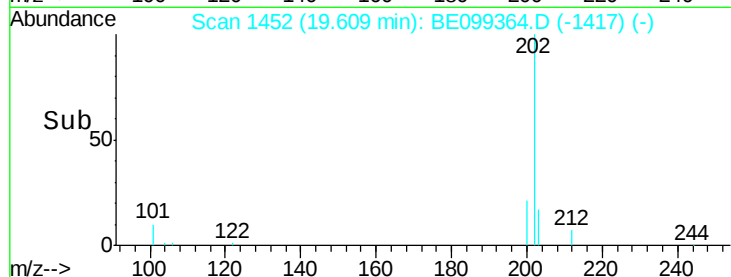
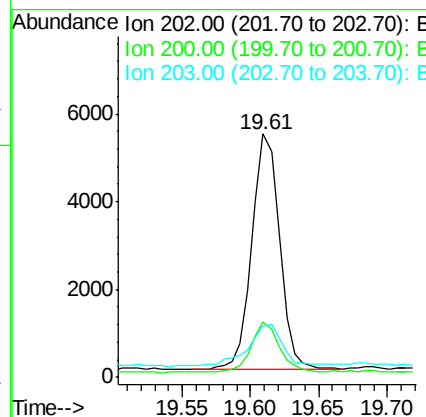
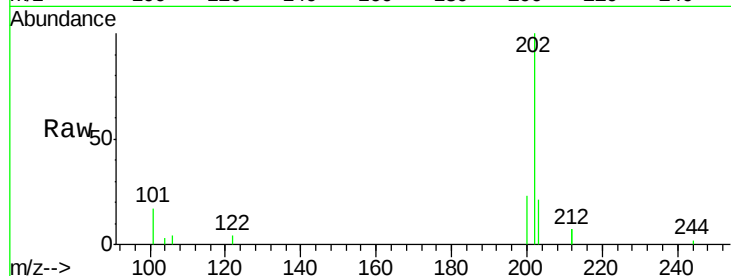




#28
Pvrene
Concen: 0.071 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099364.D
Acq: 25 Apr 2019 16:50

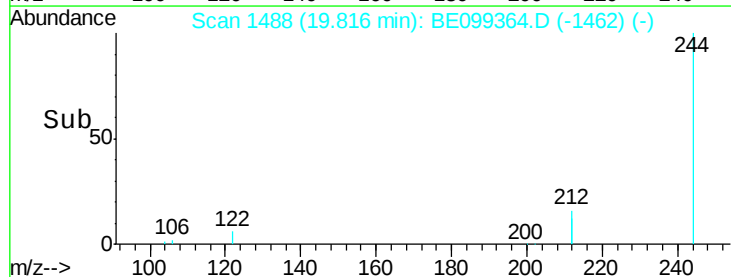
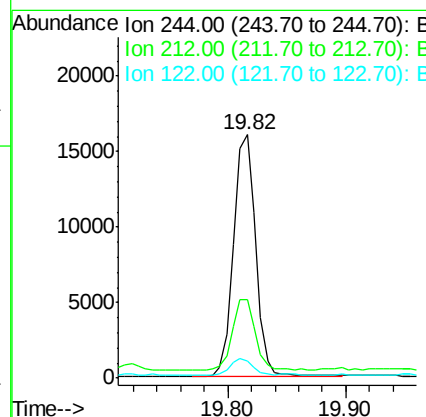
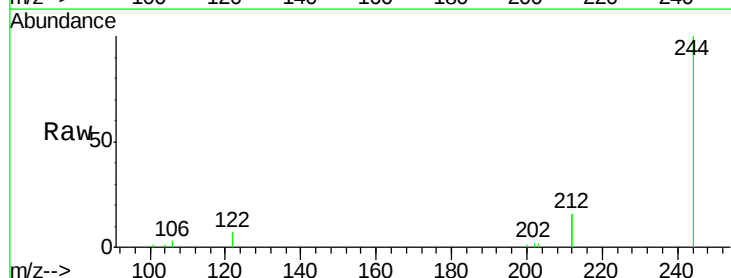
Instrument :
BNA_E
ClientSampleId :
EXT-074-SW065-042219

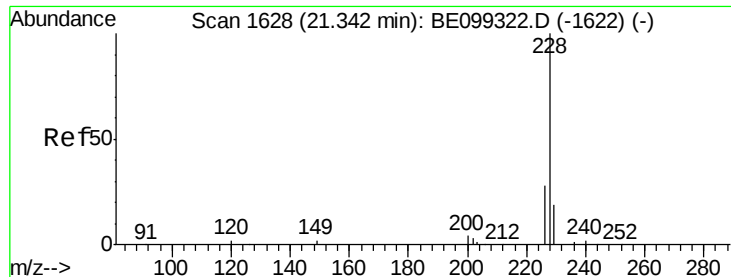
Tot Ion:202 Resp: 7534
Ion Ratio Lower Upper
202 100
200 21.5 15.7 23.5
203 22.6 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.293 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099364.D
Acq: 25 Apr 2019 16:50

Tgt Ion:244 Resp: 20673
Ion Ratio Lower Upper
244 100
212 32.5 22.6 33.8
122 7.0 4.6 7.0#





#30

Benzo(a)anthracene

Concen: 0.038 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

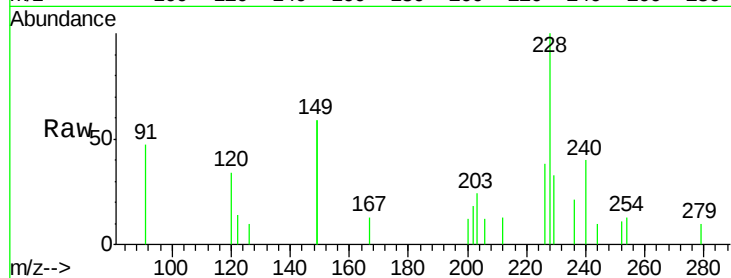
Tot Ion:228 Resp: 4052

Ion Ratio Lower Upper

228 100

226 37.6 22.0 33.0#

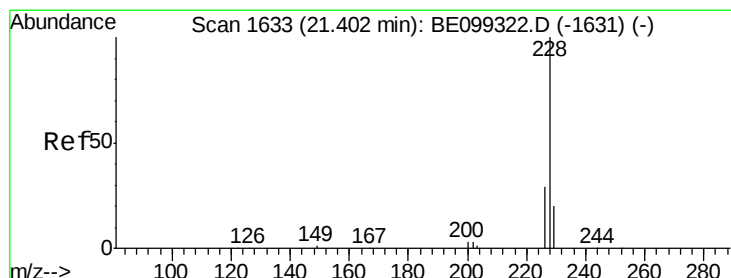
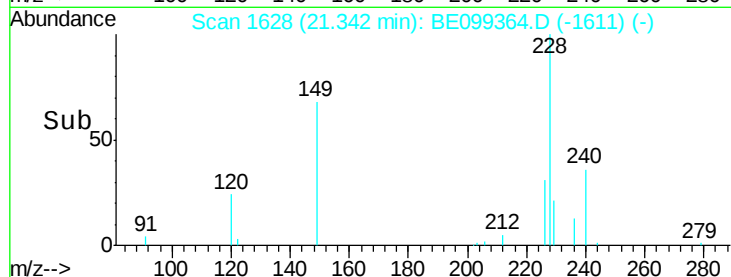
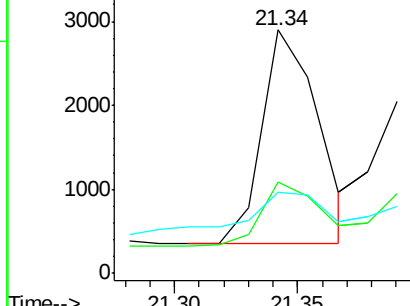
229 33.5 15.8 23.8#



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: 0.042 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

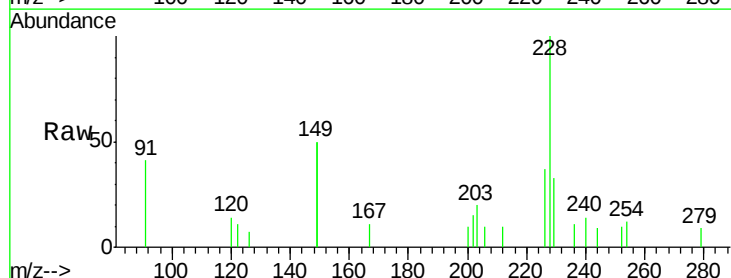
Tgt Ion:228 Resp: 4683

Ion Ratio Lower Upper

228 100

226 37.1 23.4 35.2#

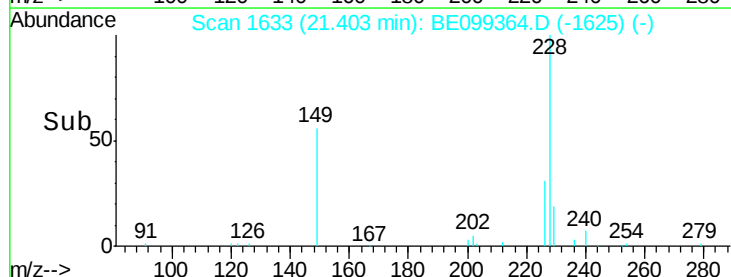
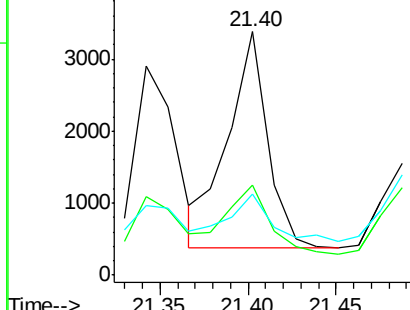
229 33.5 16.2 24.2#

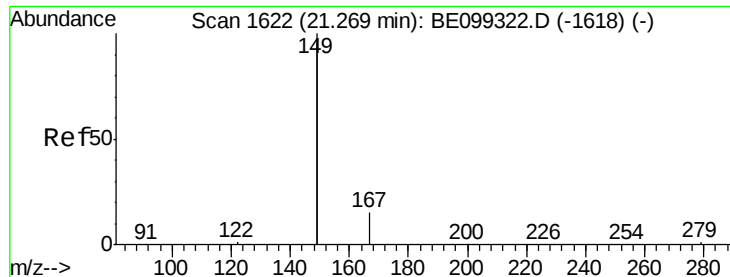


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.556 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

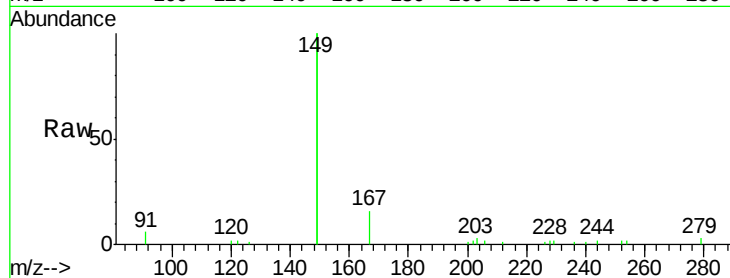
Tot Ion:149 Resp: 53420

Ion Ratio Lower Upper

149 100

167 7.2 6.0 9.0

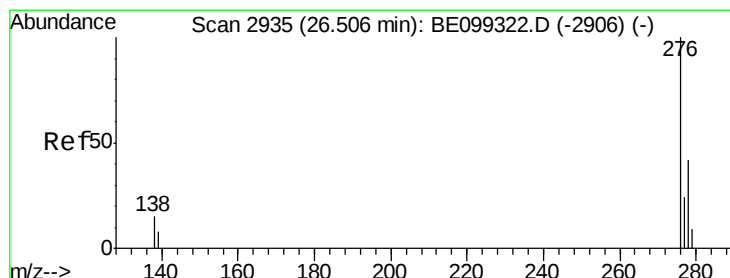
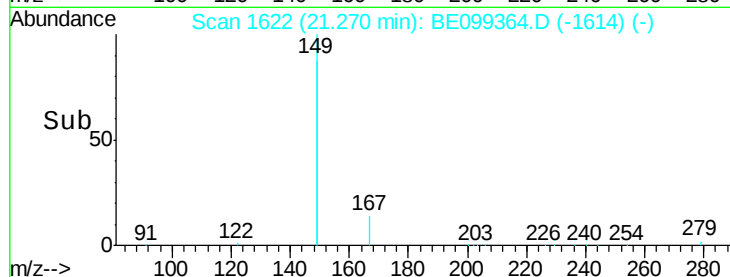
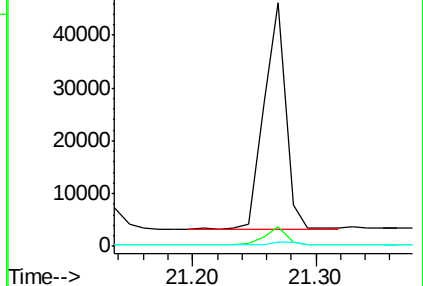
279 1.5 1.1 1.7



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: 0.027 ng

RT: 26.50 min Scan# 2933

Delta R.T. 0.01 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

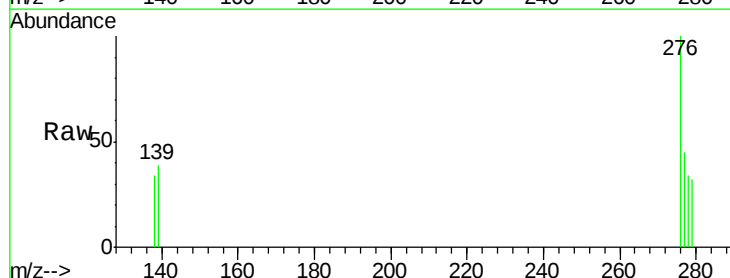
Tgt Ion:276 Resp: 2943

Ion Ratio Lower Upper

276 100

138 7.7 12.7 19.1#

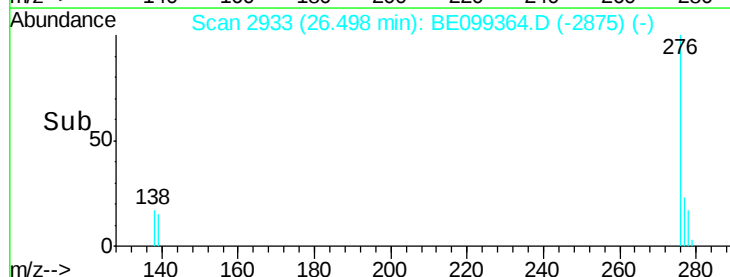
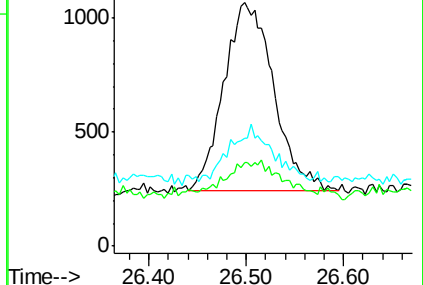
277 29.7 19.6 29.4#

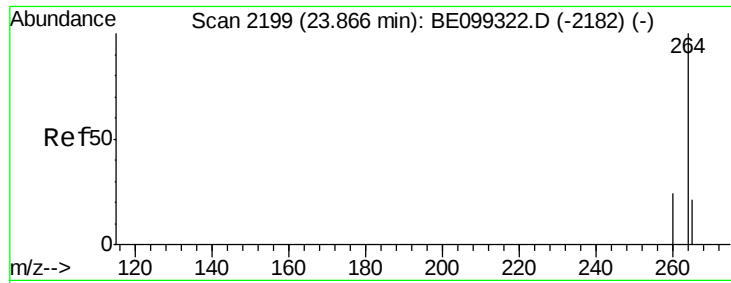


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

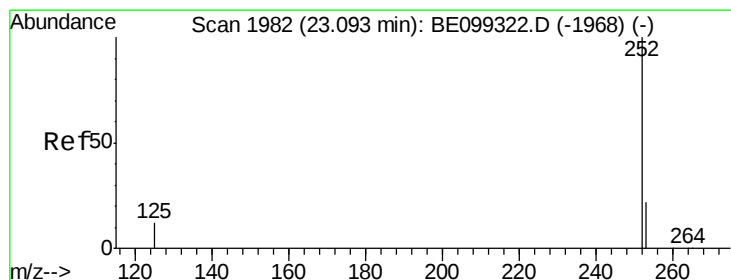
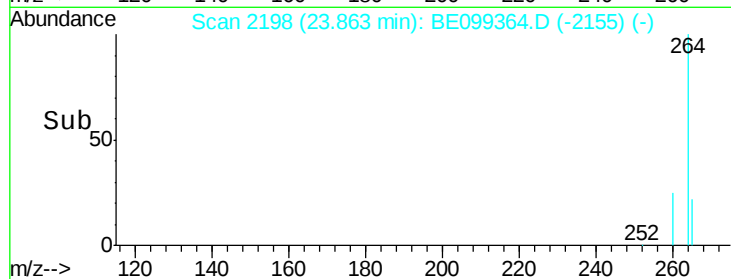
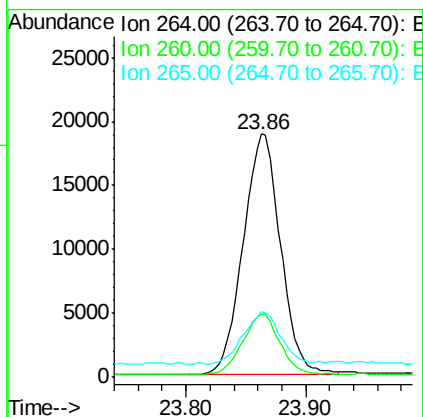
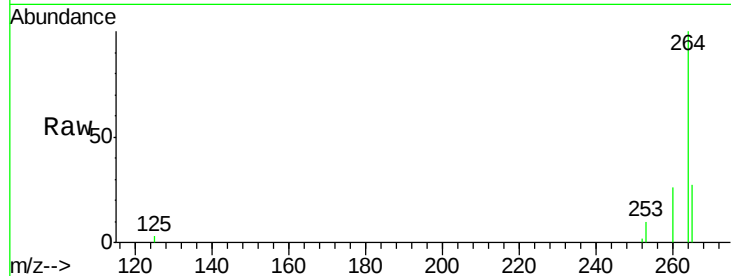




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: BE099364.D
 Acq: 25 Apr 2019 16:50

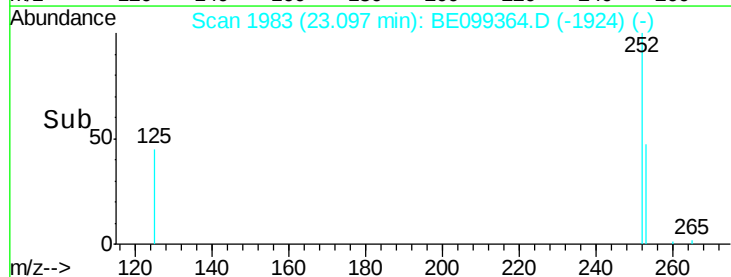
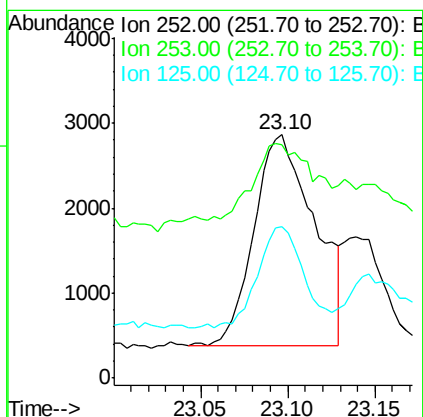
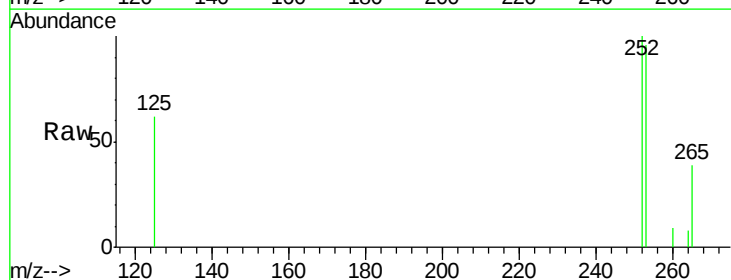
Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW065-042219

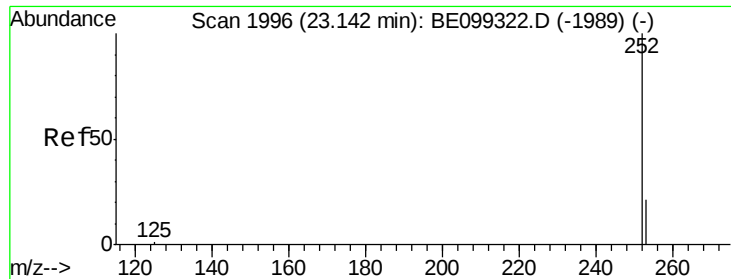
Tot Ion:264 Resp: 40768
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.1 30.1
 265 26.8 19.9 29.9



#35
 Benzo(b)fluoranthene
 Concen: 0.049 ng
 RT: 23.10 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: BE099364.D
 Acq: 25 Apr 2019 16:50

Tgt Ion:252 Resp: 6067
 Ion Ratio Lower Upper
 252 100
 253 96.0 17.3 25.9#
 125 62.4 5.8 8.6#





#36

Benzo(k)fluoranthene

Concen: 0.049 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.04 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

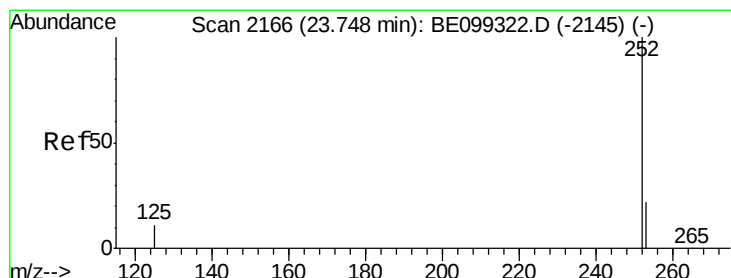
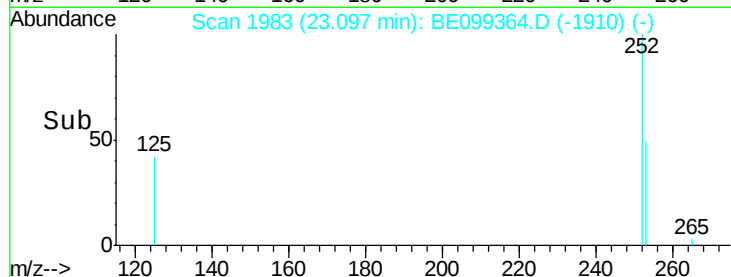
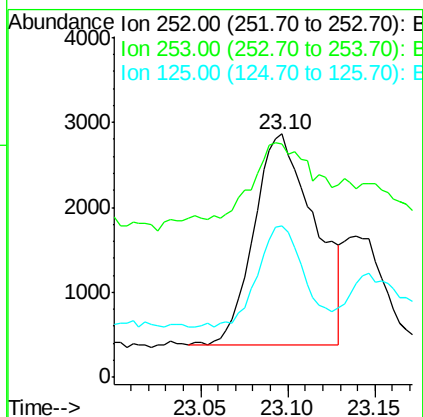
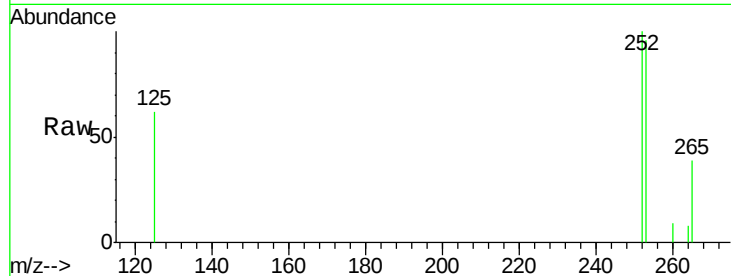
Tot Ion:252 Resp: 6067

Ion Ratio Lower Upper

252 100

253 96.0 18.4 27.6#

125 62.4 5.4 8.0#



#37

Benzo(a)pyrene

Concen: 0.037 ng

RT: 23.75 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

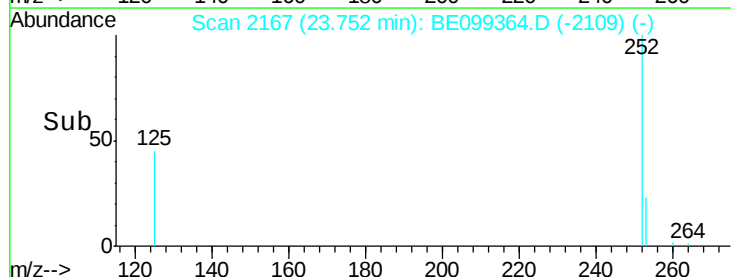
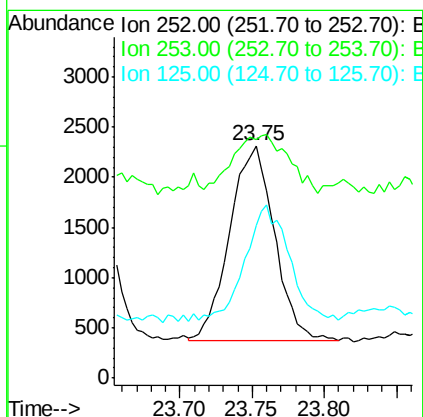
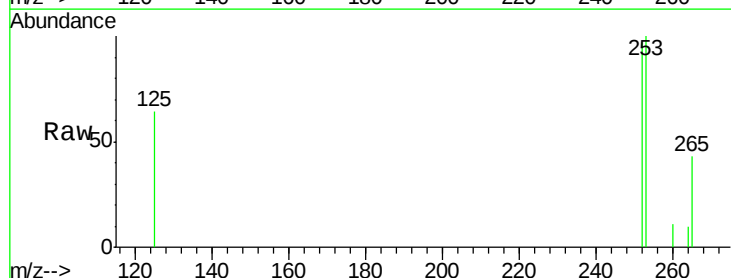
Tgt Ion:252 Resp: 4105

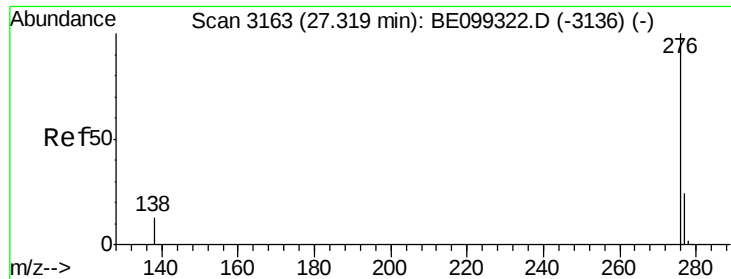
Ion Ratio Lower Upper

252 100

253 102.8 17.6 26.4#

125 65.7 6.5 9.7#





#39

Benzo(a,h,i)perylene

Concen: 0.024 ng

RT: 27.32 min Scan# 3164

Delta R.T. 0.02 min

Lab File: BE099364.D

Acq: 25 Apr 2019 16:50

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW065-042219

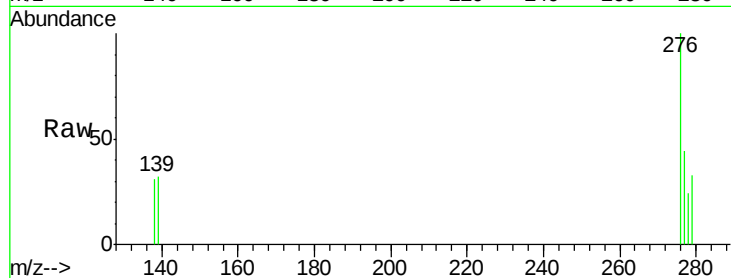
Tot Ion: 276 Resp: 2834

Ion Ratio Lower Upper

276 100

277 43.9 20.0 30.0#

138 30.8 11.1 16.7#



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

