

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032219\
 Data File : BE099081.D
 Acq On : 22 Mar 2019 14:34
 Operator : JU/SJ
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 22 15:13:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 22 13:31:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3257	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	13945	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	9915	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28477	0.40	ng	0.00
27) Chrysene-d12	21.39	240	33458	0.40	ng	0.00
34) Perylene-d12	23.90	264	33007	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	47837	4.91	ng	0.00
5) Phenol-d6	7.00	99	70186	5.10	ng	0.00
8) Nitrobenzene-d5	8.99	82	36301	2.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	123119	4.78	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	20661	4.13	ng	0.01
15) 2-Fluorobiphenyl	13.12	172	185334	4.51	ng	0.00
25) Fluoranthene-d10	19.25	212	1812340	3.99	ng	0.00
29) Terphenyl-d14	19.84	244	356657	4.39	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	23720	3.693	ng	92
3) n-Nitrosodimethylamine	3.66	42	15645	1.909	ng	# 100
6) bis(2-Chloroethyl)ether	7.26	93	59948	5.647	ng	100
9) Naphthalene	10.68	128	775951	4.858	ng	100
10) Hexachlorobutadiene	10.97	225	37344	3.534	ng	99
12) 2-Methylnaphthalene	12.31	142	137109	5.293	ng	99
16) Acenaphthylene	14.21	152	266521	5.227	ng	100
17) Acenaphthene	14.54	154	152223	5.032	ng	96
18) Fluorene	15.51	166	218456	5.008	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	78087	5.059	ng	96
21) Hexachlorobenzene	16.52	284	71405	3.891	ng	98
22) Pentachlorophenol	16.87	266	29427	7.892	ng	98
23) Phenanthrene	17.25	178	397113	4.906	ng	99
24) Anthracene	17.35	178	393876	5.693	ng	100
26) Fluoranthene	19.28	202	540717	4.733	ng	99
28) Pyrene	19.64	202	551921	5.392	ng	100
30) Benzo(a)anthracene	21.38	228	557092	5.335	ng	98
31) Chrysene	21.43	228	545303	4.881	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	828133	3.727	ng	100
33) Indeno(1,2,3-cd)pyrene	26.57	276	613065	5.198	ng	99
35) Benzo(b)fluoranthene	23.13	252	544695	5.019	ng	98
36) Benzo(k)fluoranthene	23.18	252	533457	4.695	ng	# 97
37) Benzo(a)pyrene	23.79	252	504702	4.850	ng	95
38) Dibenzo(a,h)anthracene	26.59	278	505232	5.132	ng	99
39) Benzo(g,h,i)perylene	27.39	276	502490	4.880	ng	98

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

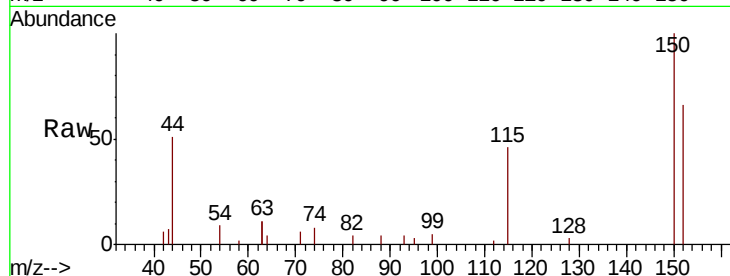


#1

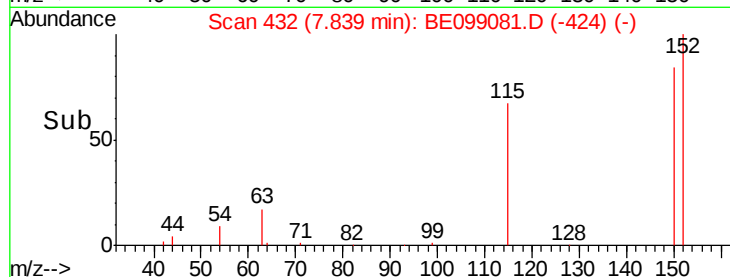
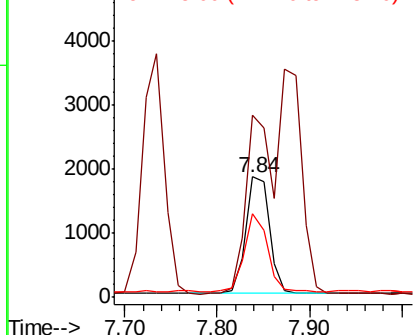
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 3257
Ion Ratio Lower Upper
152 100
150 151.7 119.7 179.5
115 69.7 56.5 84.7



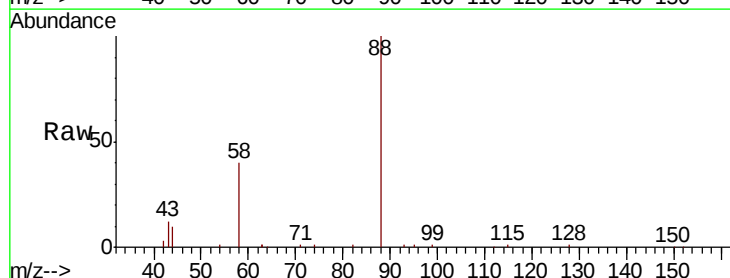
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



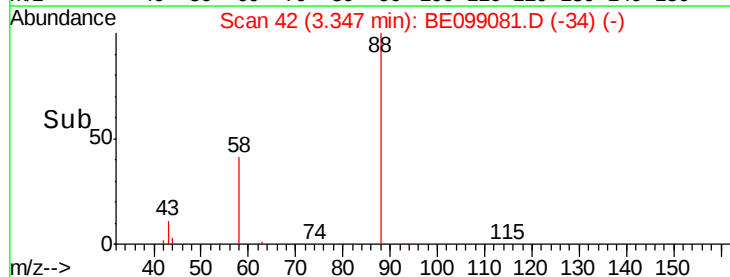
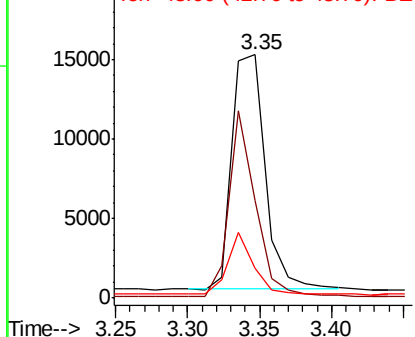
#2

1,4-Dioxane
Concen: 3.693 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Tgt Ion: 88 Resp: 23720
Ion Ratio Lower Upper
88 100
58 63.6 45.5 68.3
43 20.5 14.9 22.3



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





#3

n-Nitrosodimethylamine

Concen: 1.909 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

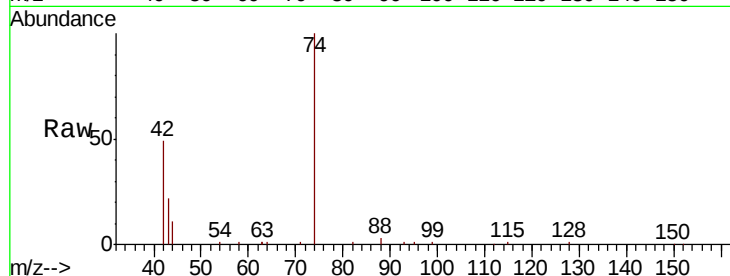
Tot Ion: 42 Resp: 15645

Ion Ratio Lower Upper

42 100

74 182.1 0.0 0.0#

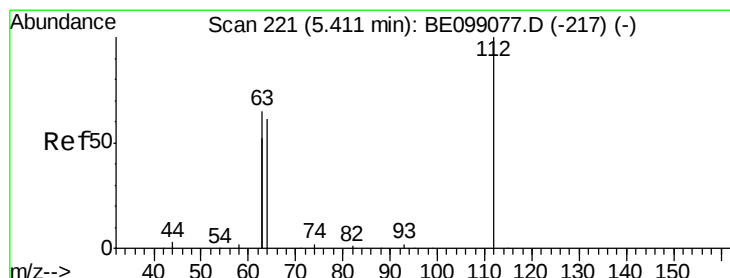
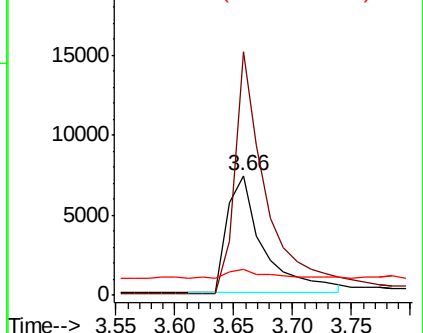
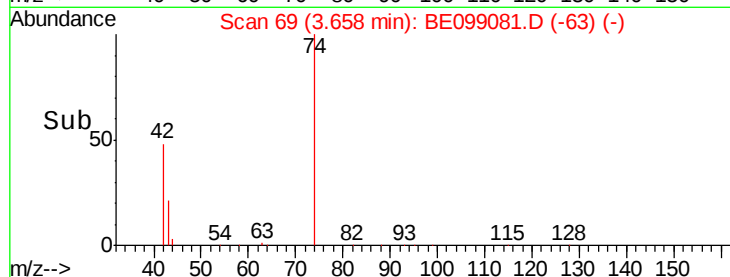
44 9.6 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 4.913 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

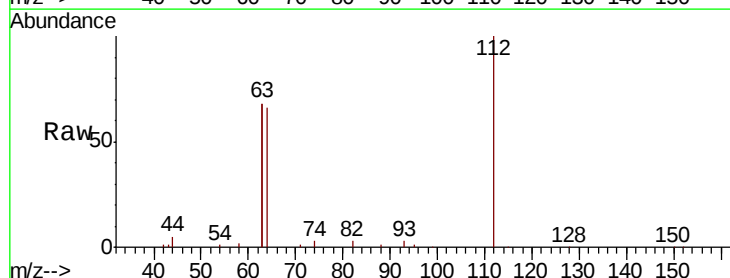
Tgt Ion:112 Resp: 47837

Ion Ratio Lower Upper

112 100

64 58.0 44.8 67.2

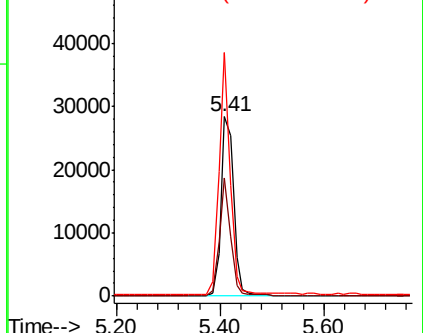
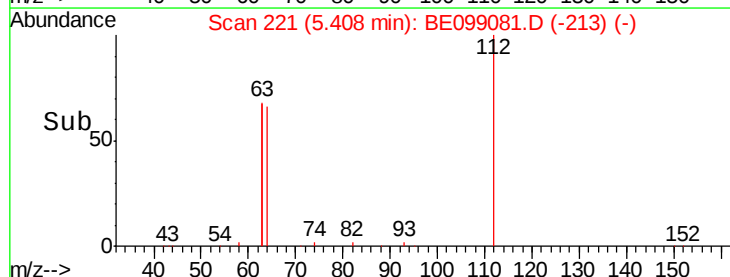
63 118.1 88.2 132.2

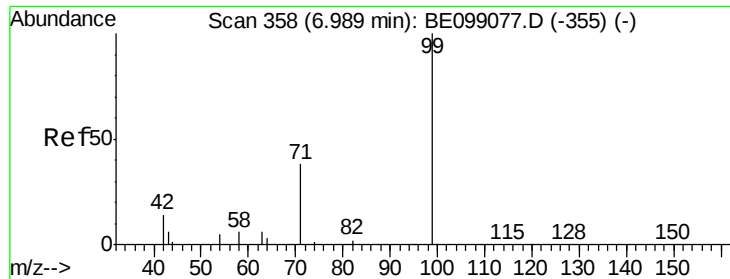


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.103 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampled :

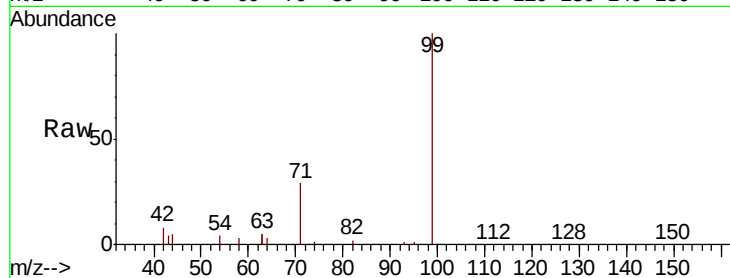
Tot Ion: 99 Resp: 70186

Ion Ratio Lower Upper

99 100

42 14.3 11.8 17.8

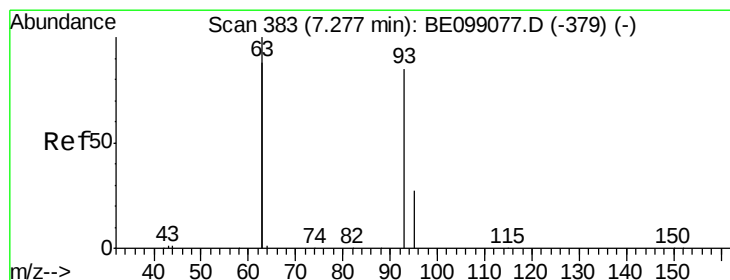
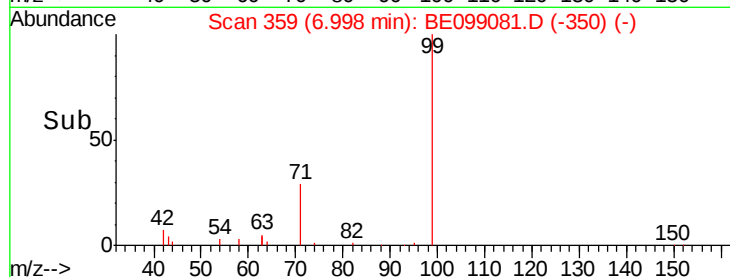
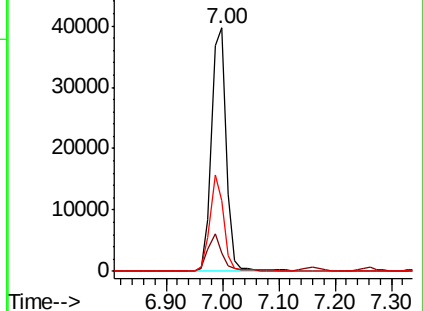
71 35.9 27.4 41.2



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



#6

bis(2-Chloroethyl)ether

Concen: 5.647 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

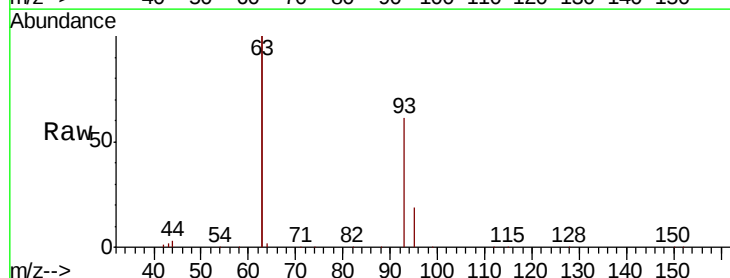
Tgt Ion: 93 Resp: 59948

Ion Ratio Lower Upper

93 100

63 288.0 230.3 345.5

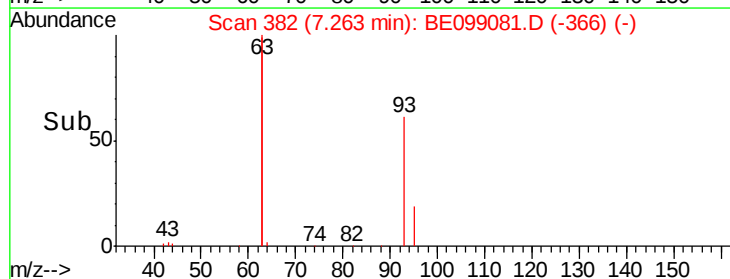
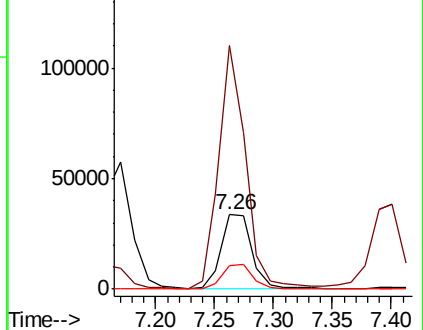
95 32.6 27.4 41.2

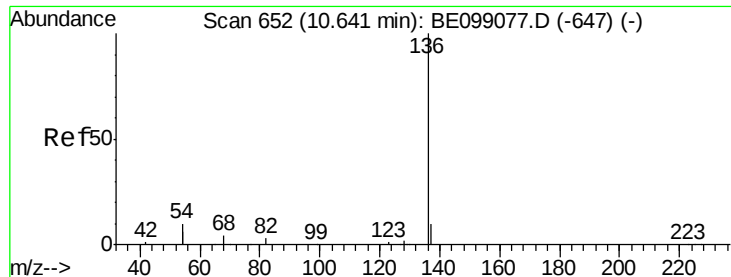


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13945

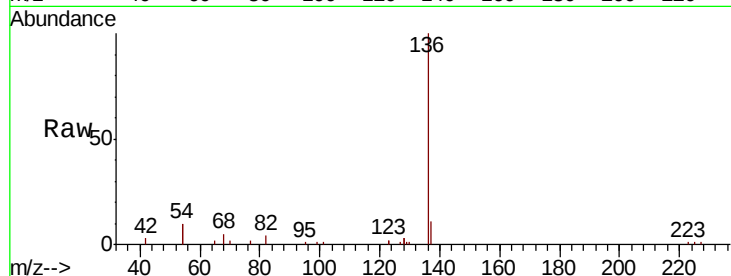
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 19.1 15.7 23.5

68 5.4 4.3 6.5

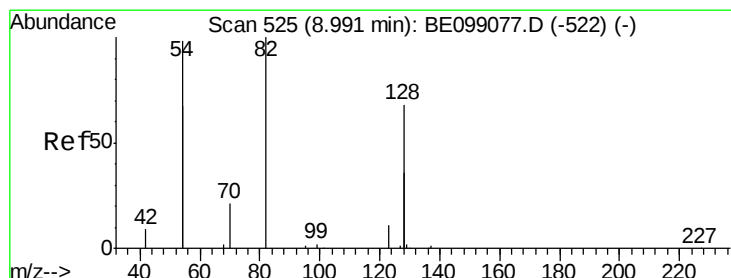
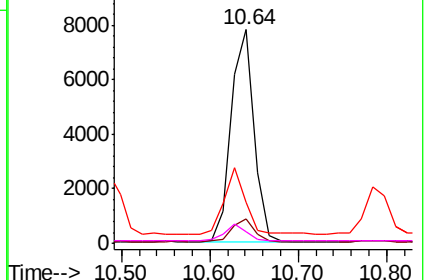
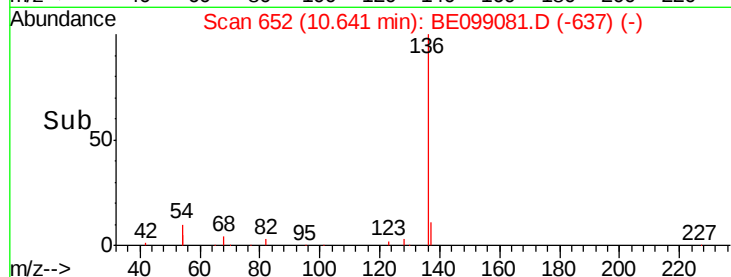


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.483 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

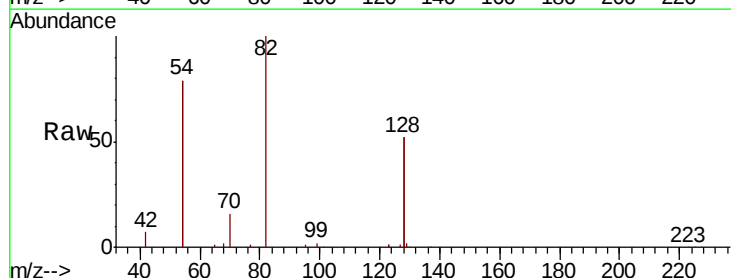
Tgt Ion: 82 Resp: 36301

Ion Ratio Lower Upper

82 100

128 104.7 98.8 148.2

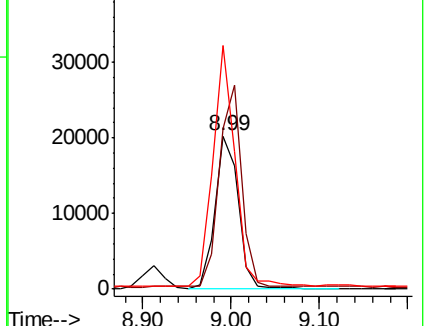
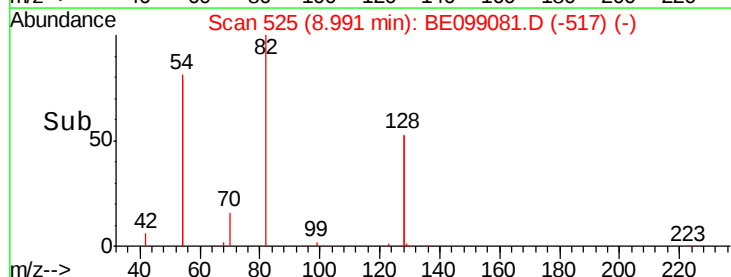
54 158.8 143.7 215.5

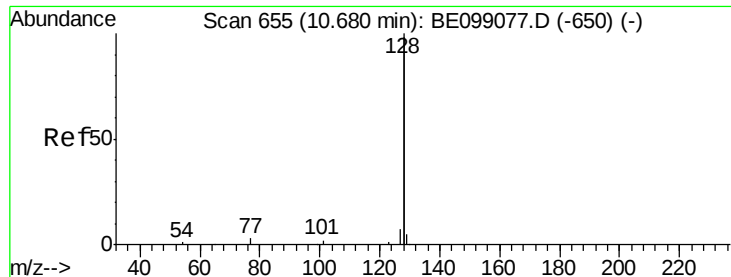


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.858 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampled :

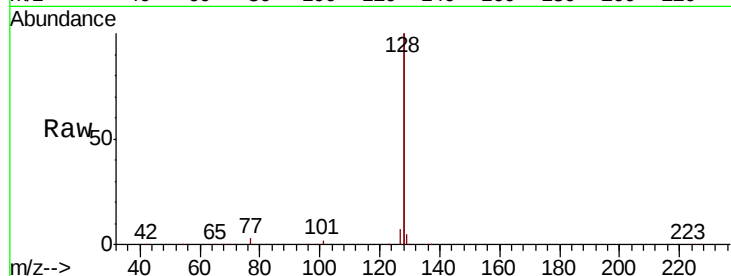
Tot Ion:128 Resp: 775951

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

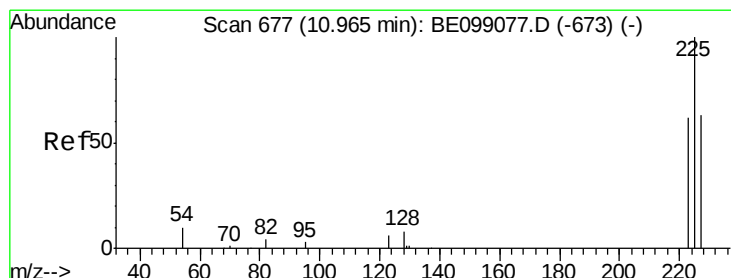
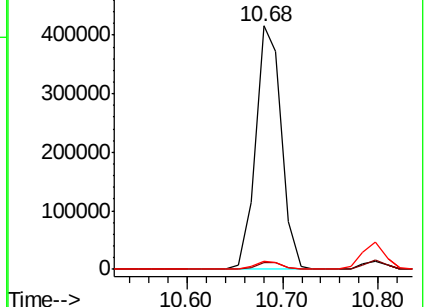
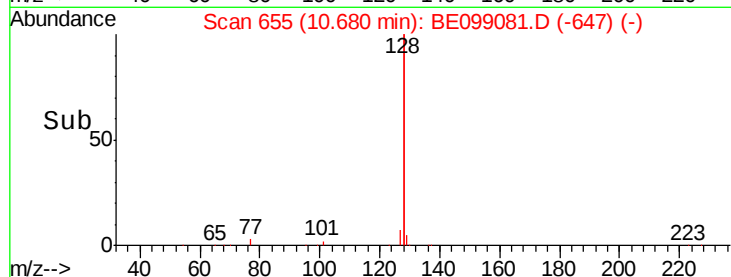
127 3.4 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 3.534 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

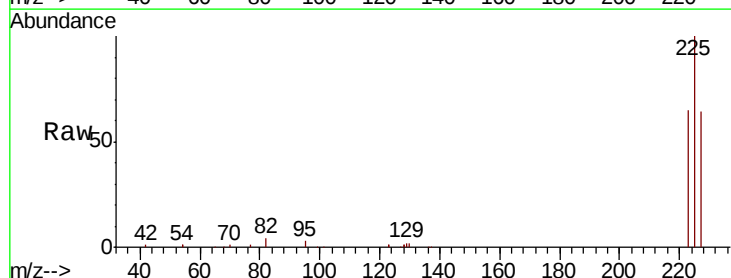
Tgt Ion:225 Resp: 37344

Ion Ratio Lower Upper

225 100

223 63.4 51.1 76.7

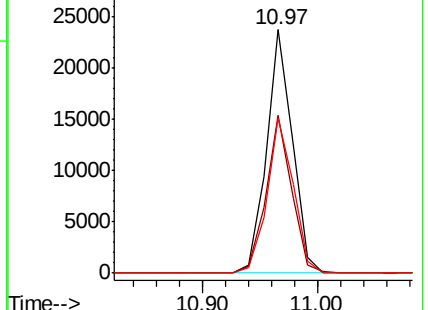
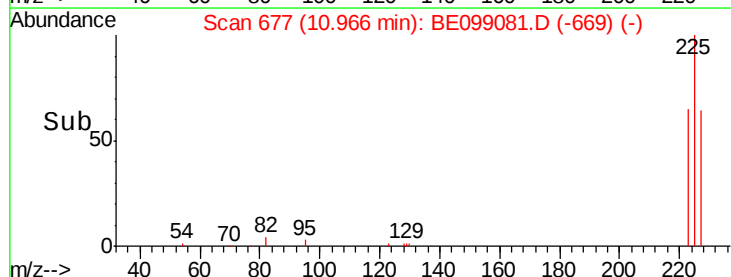
227 63.9 51.4 77.2

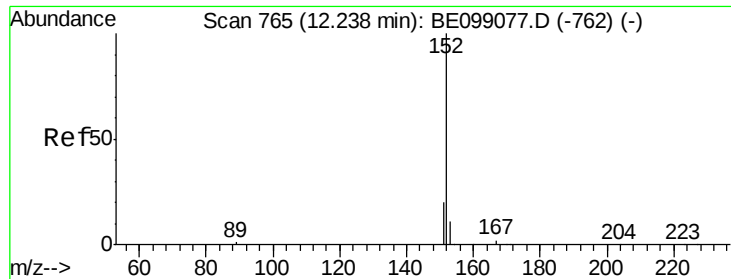


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

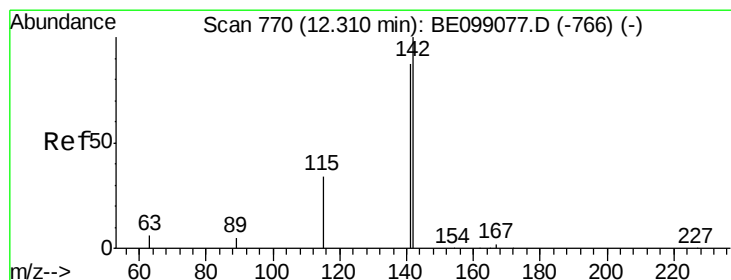
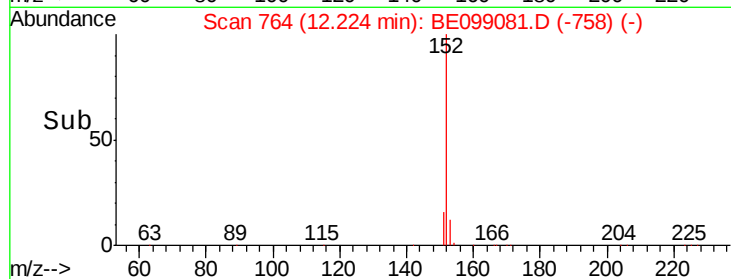
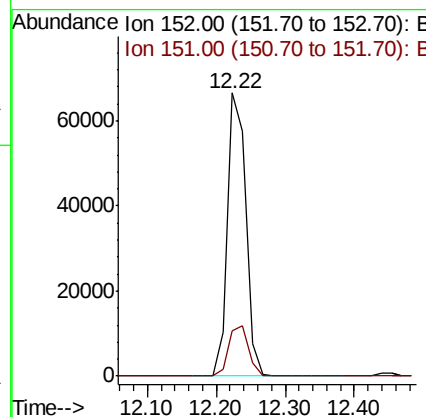
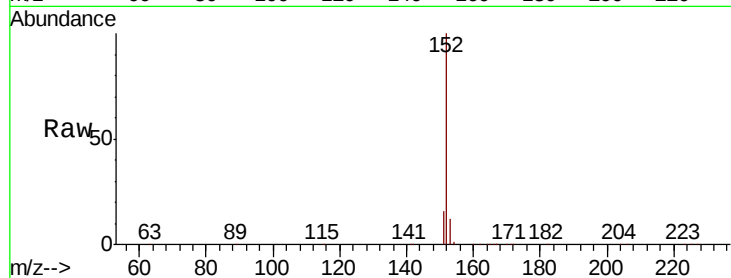




#11
2-Methylnaphthalene-d10
Concen: 4.777 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.01 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

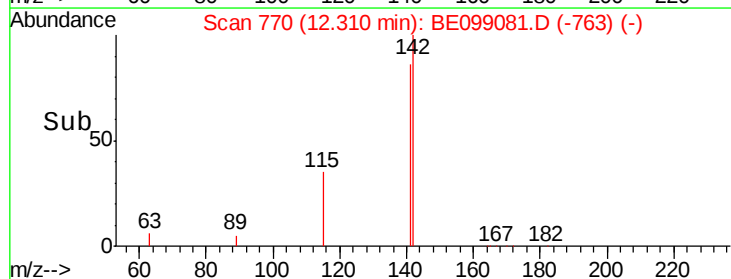
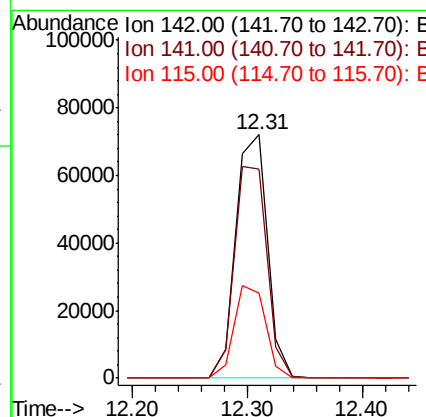
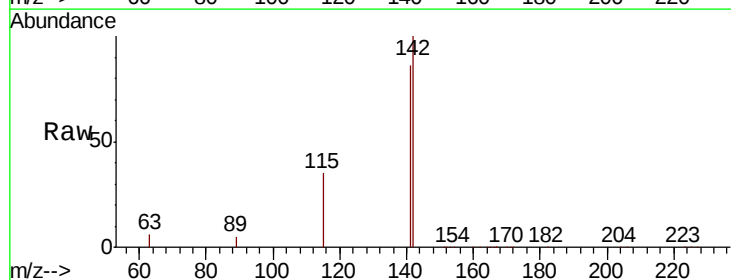
Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 123119
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5



#12
2-Methylnaphthalene
Concen: 5.293 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Tgt Ion:142 Resp: 137109
Ion Ratio Lower Upper
142 100
141 85.6 69.7 104.5
115 35.0 28.2 42.4

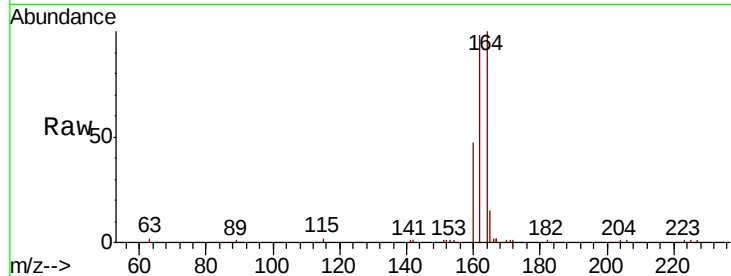




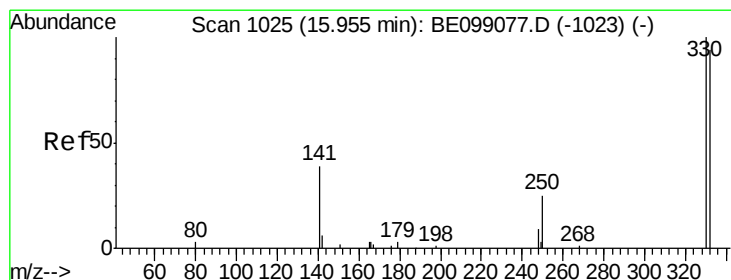
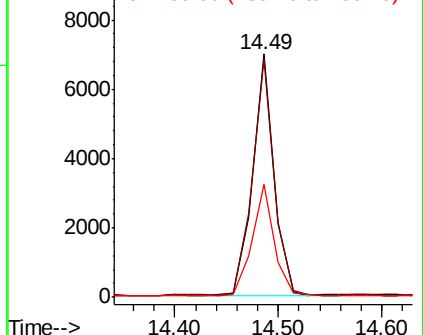
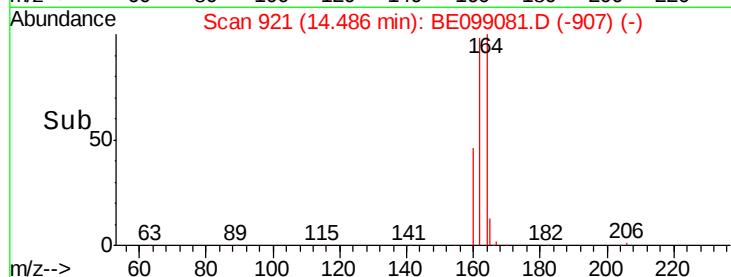
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 9915
Ion Ratio Lower Upper
164 100
162 98.2 76.8 115.2
160 46.6 36.1 54.1

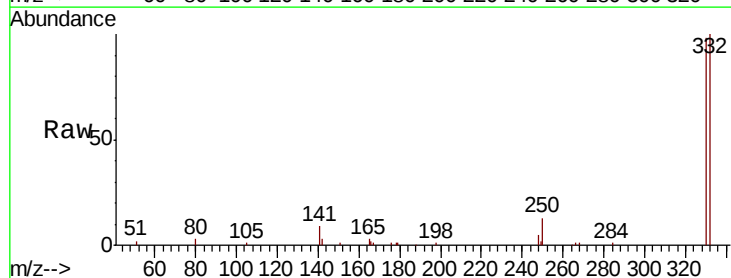


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

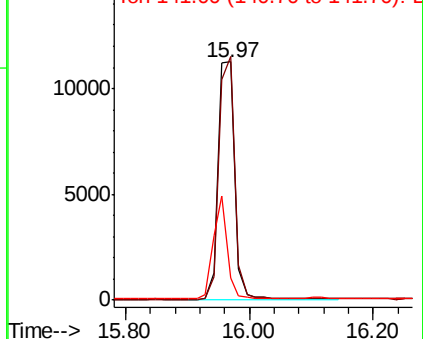
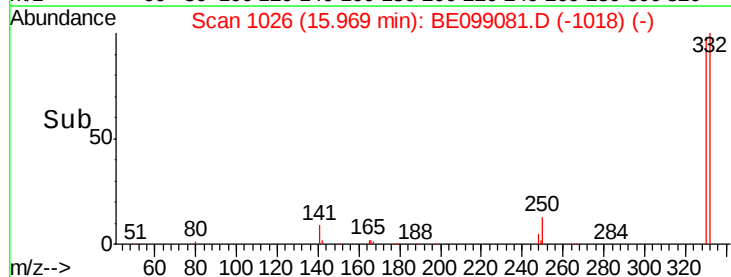


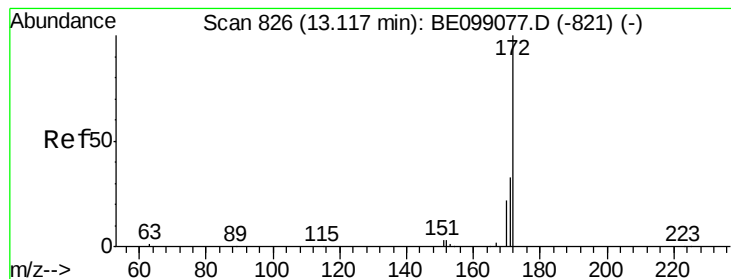
#14
2,4,6-Tribromophenol
Concen: 4.128 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Tgt Ion:330 Resp: 20661
Ion Ratio Lower Upper
330 100
332 97.8 83.0 124.4
141 36.3 30.7 46.1



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

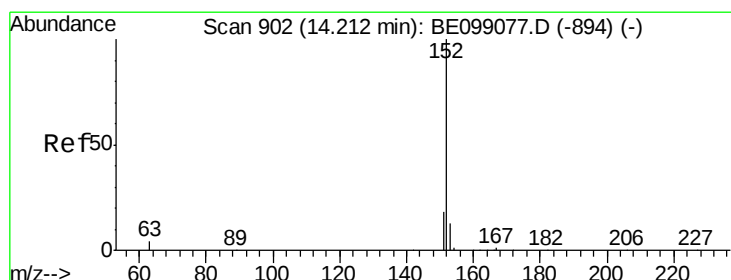
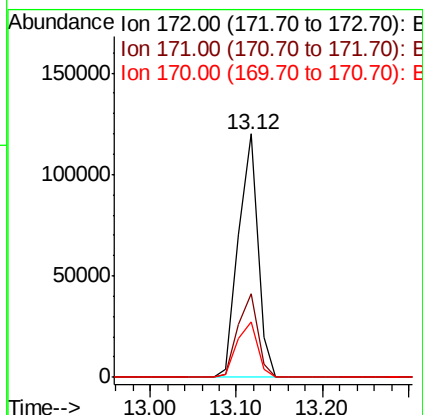
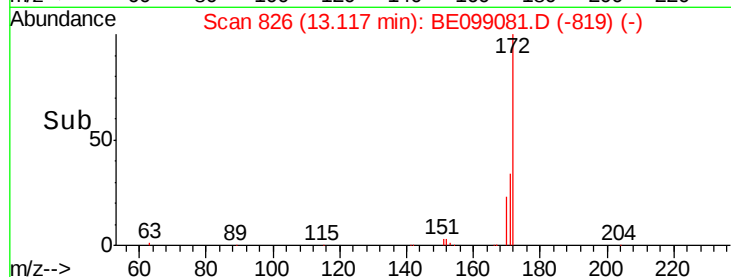
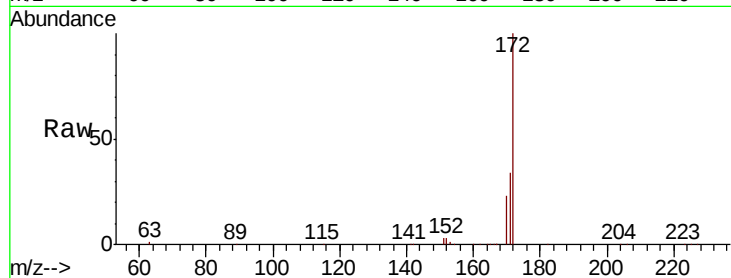




#15
2-Fluorobiphenyl
Concen: 4.515 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

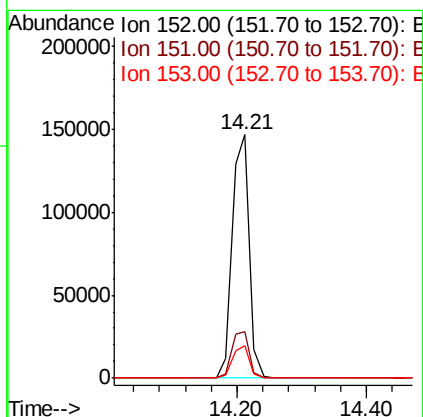
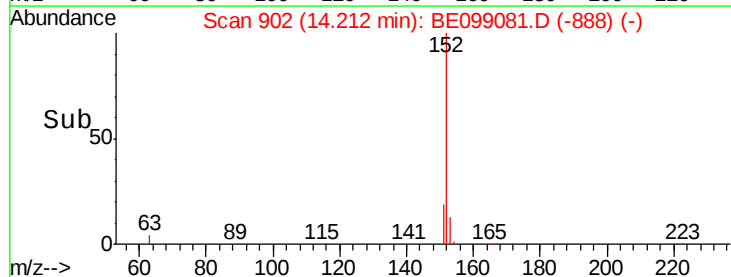
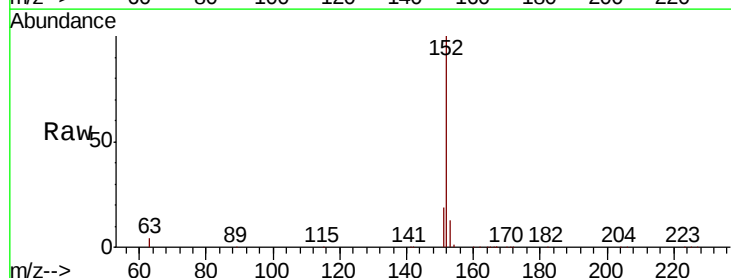
Instrument :
BNA_E
ClientSampleId :

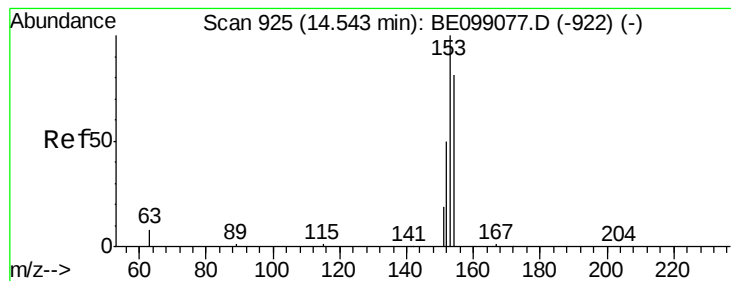
Tot Ion:172 Resp: 185334
Ion Ratio Lower Upper
172 100
171 34.2 26.7 40.1
170 23.0 18.1 27.1



#16
Acenaphthylene
Concen: 5.227 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Tgt Ion:152 Resp: 266521
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.9 10.2 15.4





#17

Acenaphthene

Concen: 5.032 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

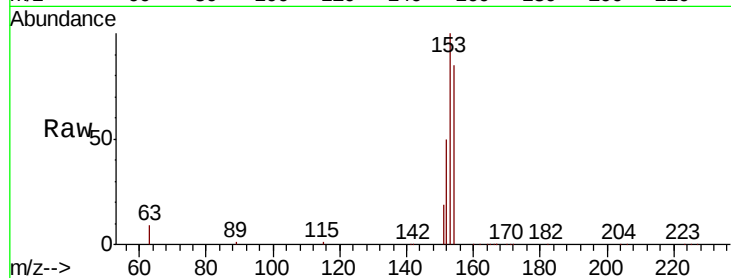
Tot Ion:154 Resp: 152223

Ion Ratio Lower Upper

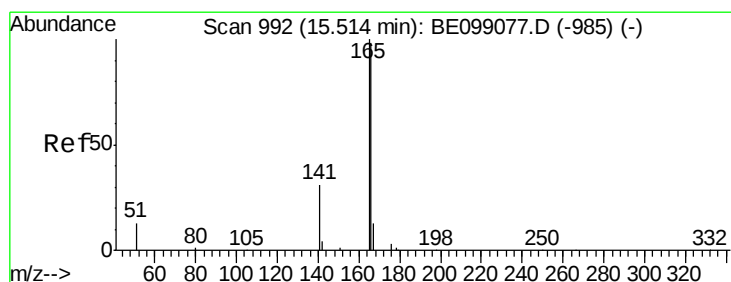
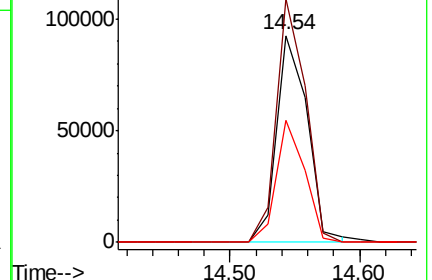
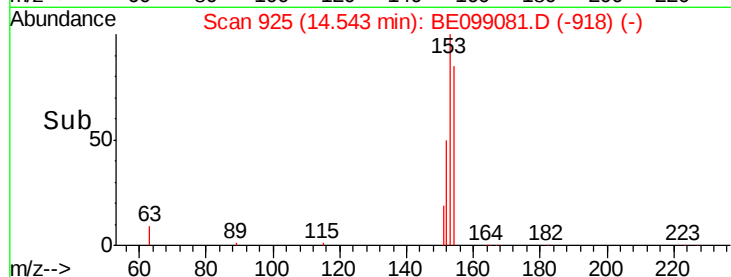
154 100

153 113.3 94.9 142.3

152 55.1 45.8 68.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 5.008 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

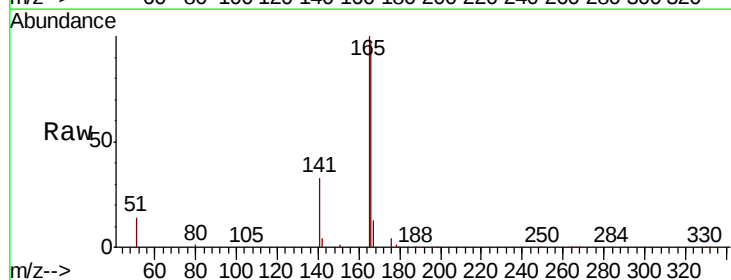
Tgt Ion:166 Resp: 218456

Ion Ratio Lower Upper

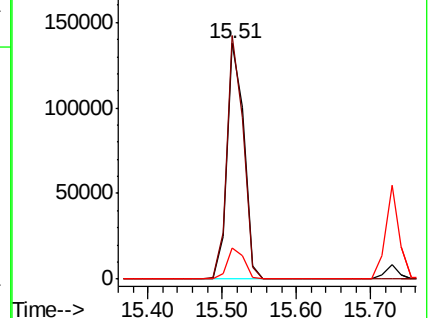
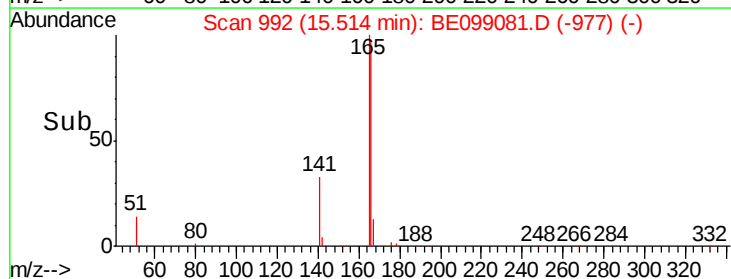
166 100

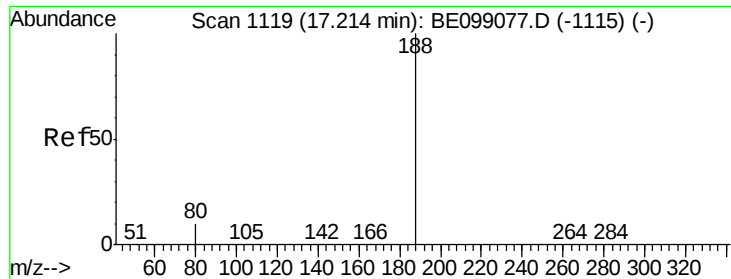
165 100.3 79.4 119.2

167 13.3 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampled :

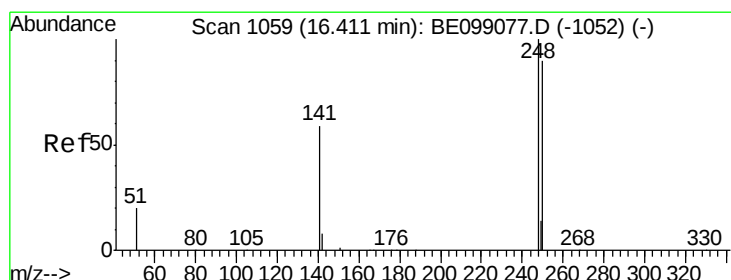
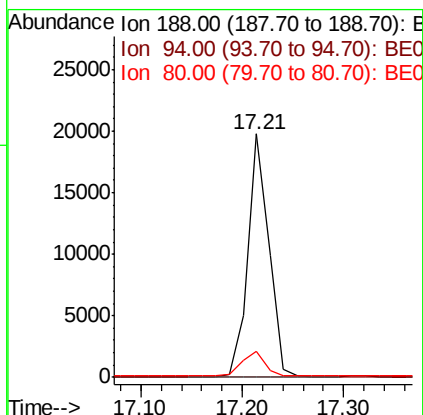
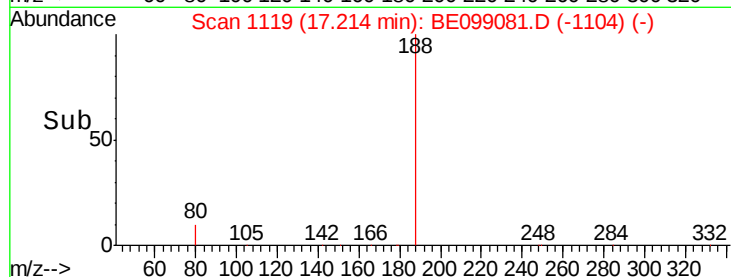
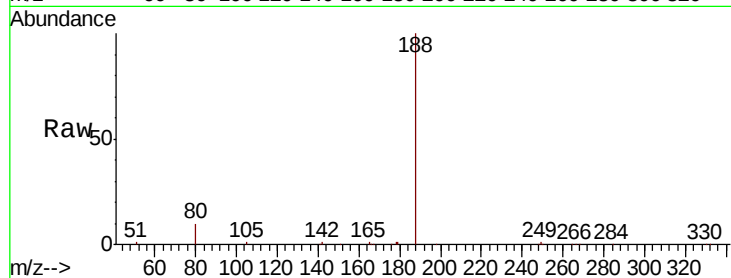
Tot Ion:188 Resp: 28477

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 8.1 12.1



#20

4-Bromophenyl-phenylether

Concen: 5.059 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

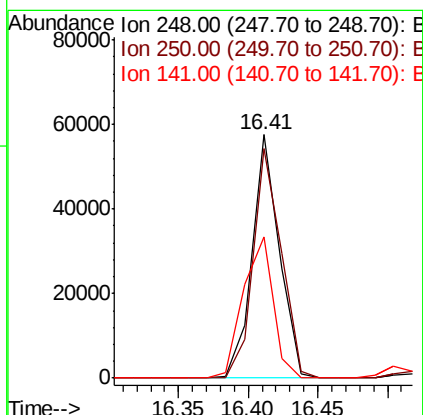
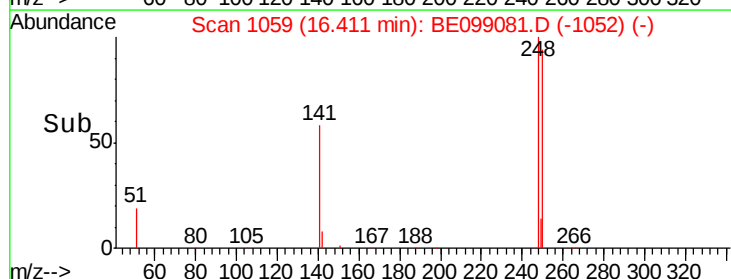
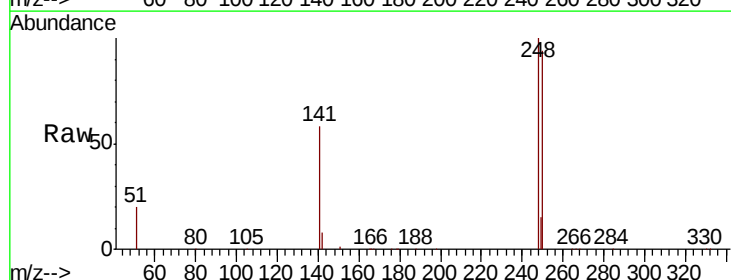
Tgt Ion:248 Resp: 78087

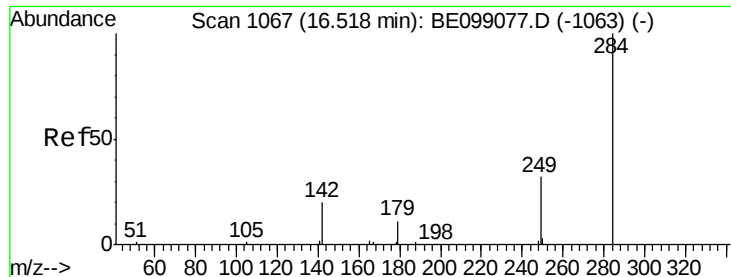
Ion Ratio Lower Upper

248 100

250 94.4 72.0 108.0

141 57.9 47.8 71.8





#21

Hexachlorobenzene

Concen: 3.891 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

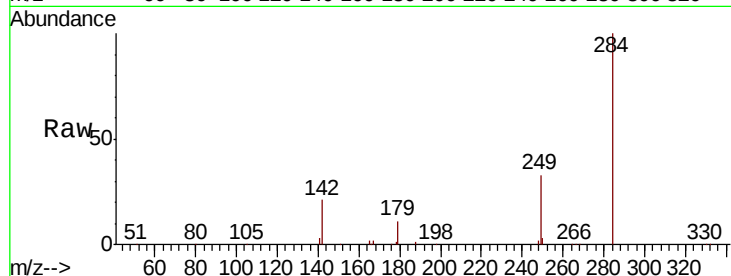
Tot Ion:284 Resp: 71405

Ion	Ratio	Lower	Upper
284	100		
142	33.3	28.5	42.7
249	34.9	28.2	42.4

284 100

142 33.3 28.5 42.7

249 34.9 28.2 42.4

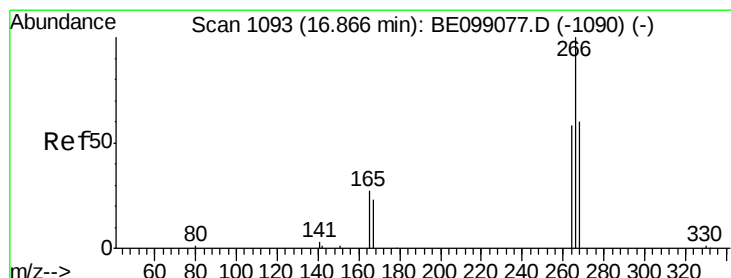
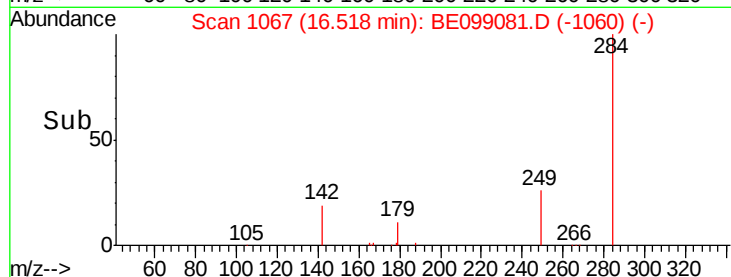
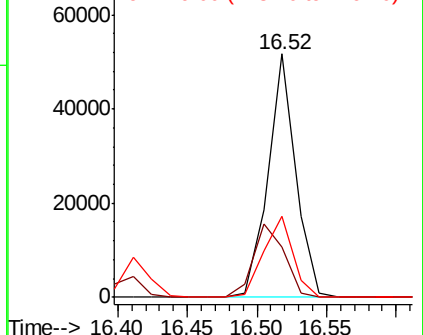


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 7.892 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

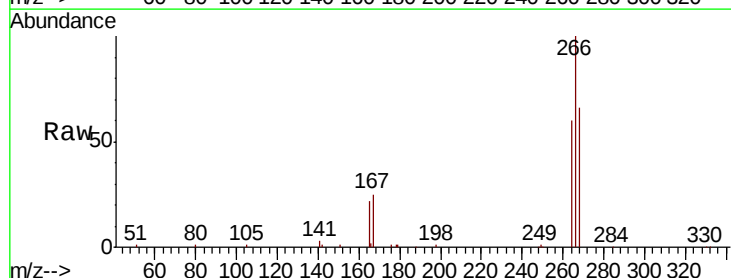
Tgt Ion:266 Resp: 29427

Ion	Ratio	Lower	Upper
266	100		
264	60.5	47.4	71.0
268	65.5	50.7	76.1

266 100

264 60.5 47.4 71.0

268 65.5 50.7 76.1

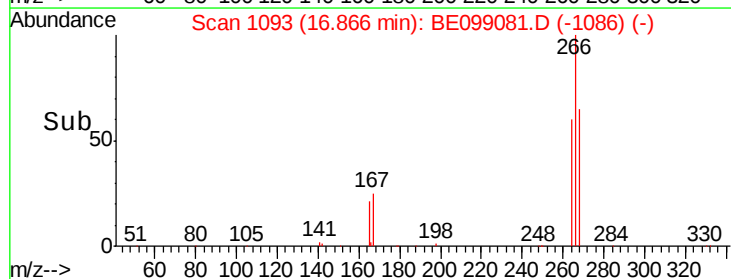
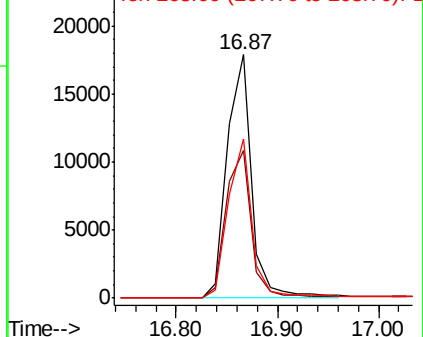


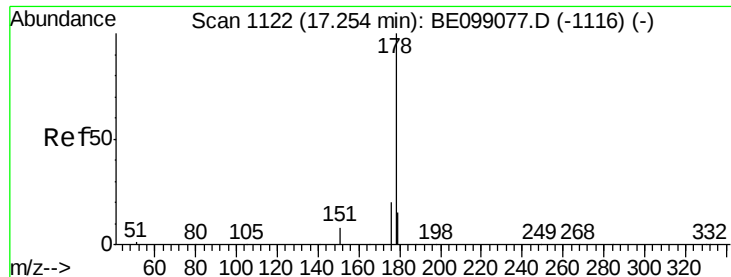
Abundance

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

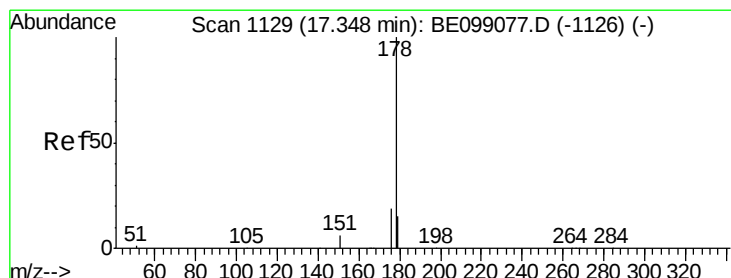
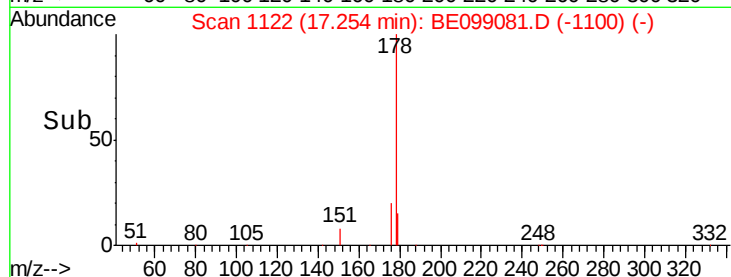
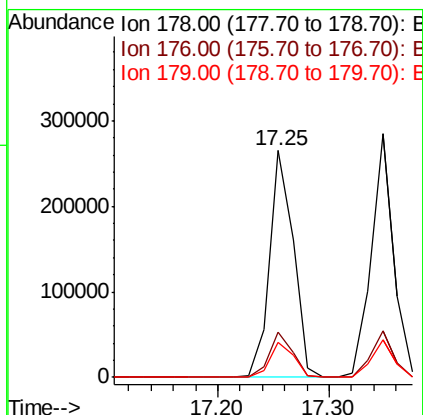
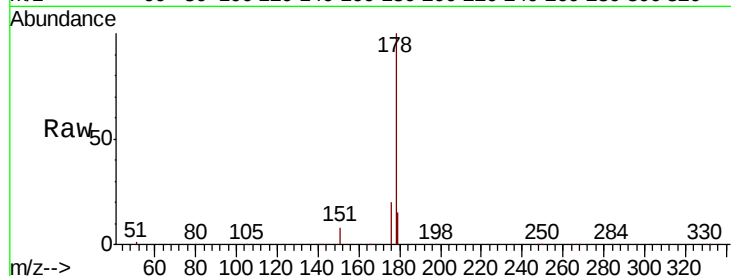




#23
Phenanthrene
Concen: 4.906 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

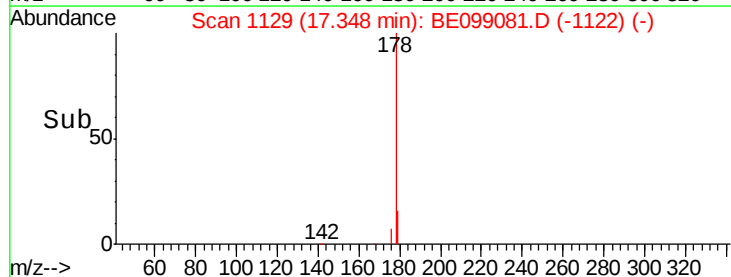
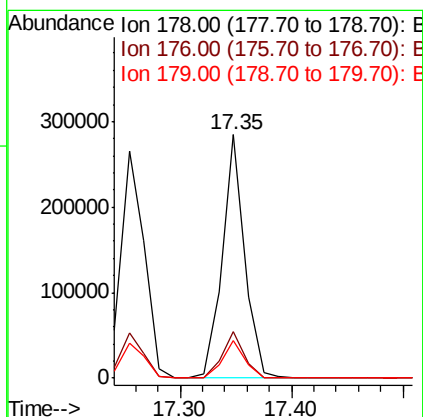
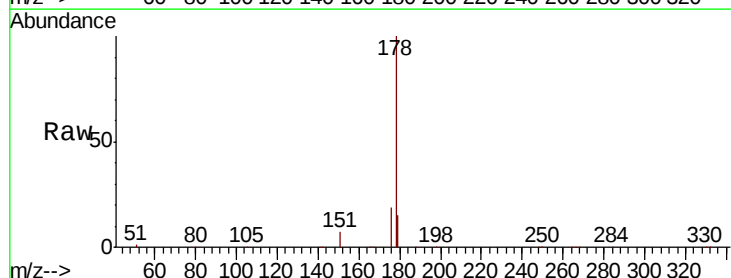
Instrument :
BNA_E
ClientSampleId :

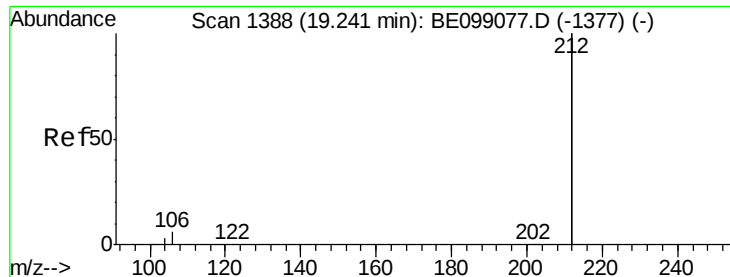
Tot Ion:178 Resp: 397113
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.5 12.1 18.1



#24
Anthracene
Concen: 5.693 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Tgt Ion:178 Resp: 393876
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.5 12.4 18.6





#25

Fluoranthene-d10

Concen: 3.987 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

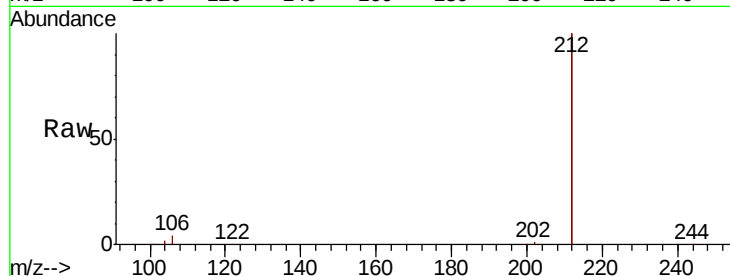
Tot Ion:212 Resp: 1812340

Ion Ratio Lower Upper

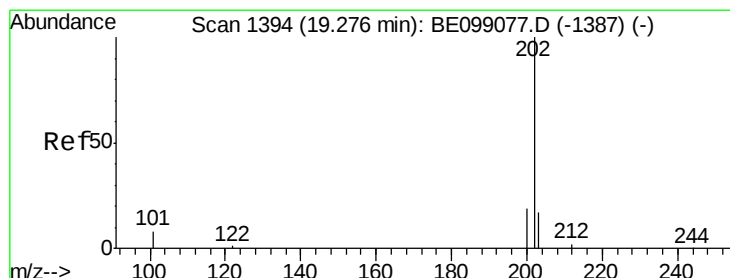
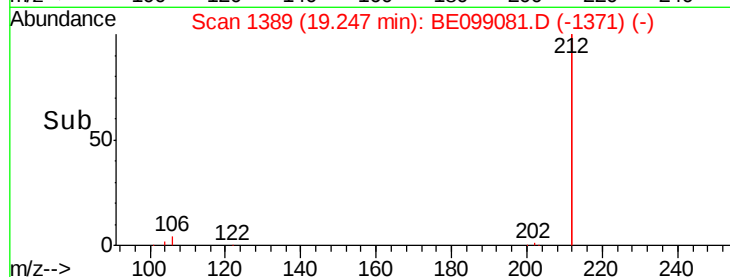
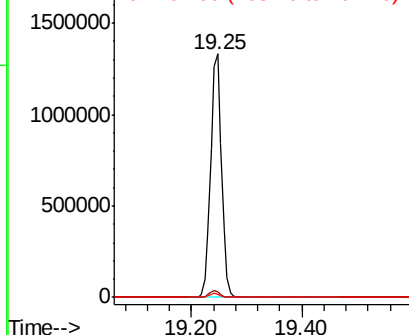
212 100

106 2.7 2.2 3.4

104 1.5 1.3 1.9



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: 4.733 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

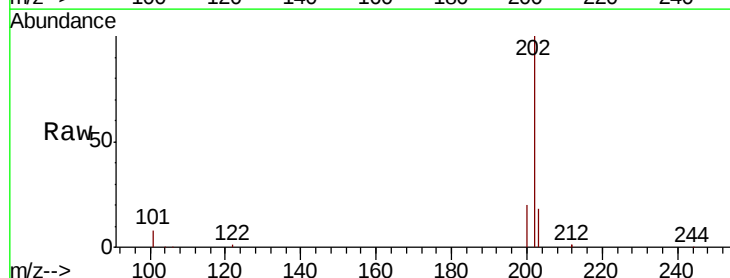
Tgt Ion:202 Resp: 540717

Ion Ratio Lower Upper

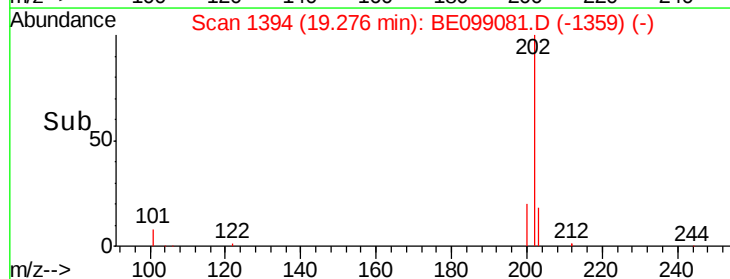
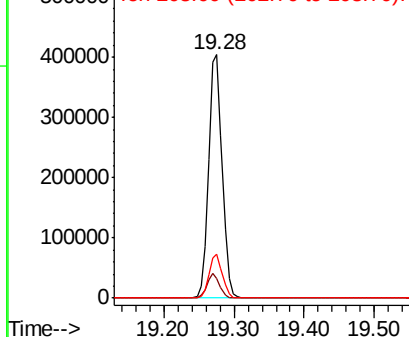
202 100

101 9.6 7.5 11.3

203 17.5 13.7 20.5



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: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

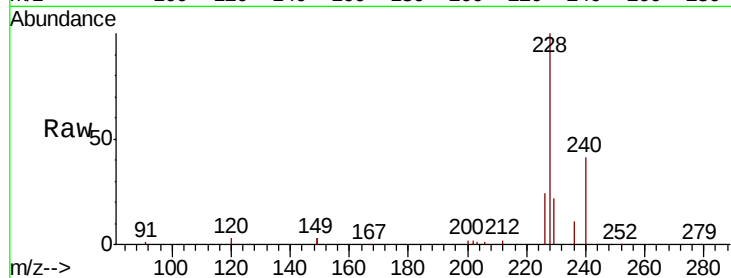
Tot Ion:240 Resp: 33458

Ion Ratio Lower Upper

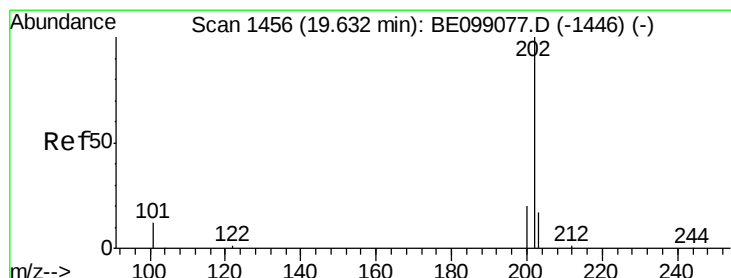
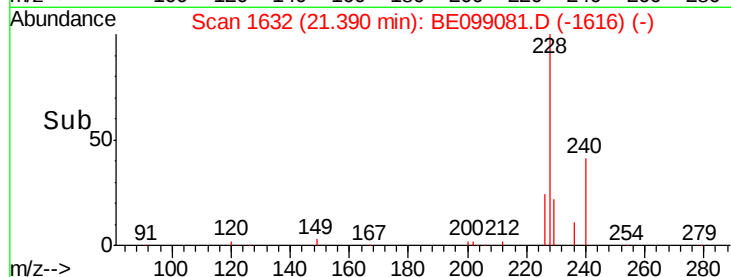
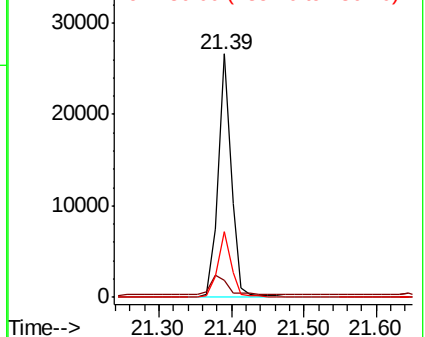
240 100

120 7.0 5.0 7.6

236 27.1 22.2 33.4



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: 5.392 ng

RT: 19.64 min Scan# 1457

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

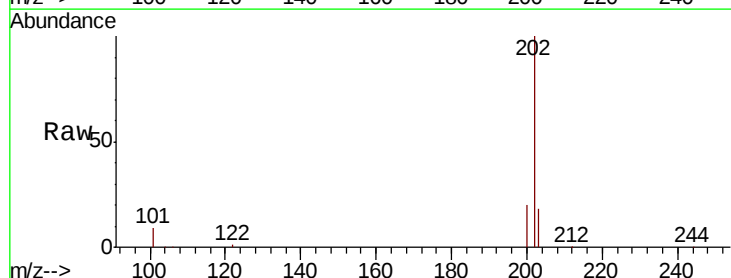
Tgt Ion:202 Resp: 551921

Ion Ratio Lower Upper

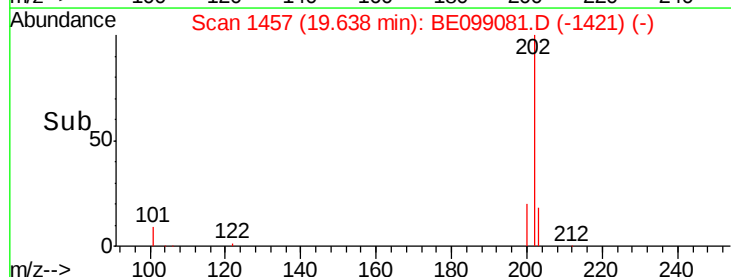
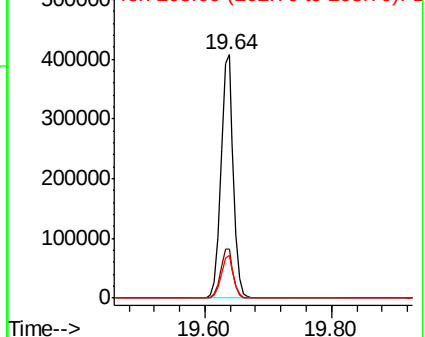
202 100

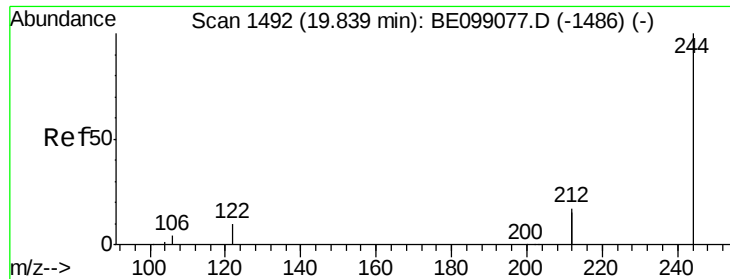
200 20.4 16.1 24.1

203 17.6 14.0 21.0



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

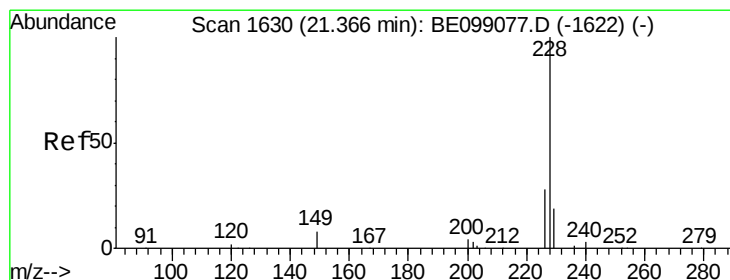
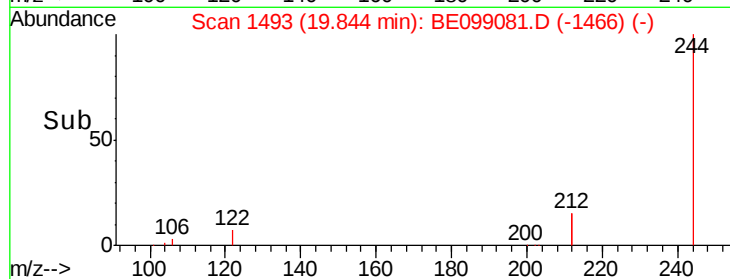
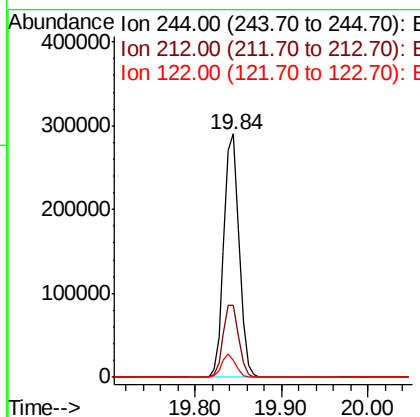
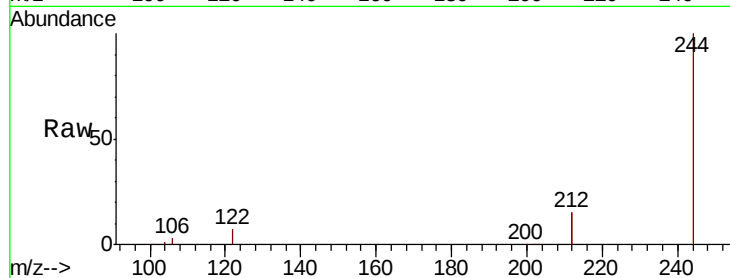




#29
 Terphenyl-d14
 Concen: 4.386 ng
 RT: 19.84 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: BE099081.D
 Acq: 22 Mar 2019 14:34

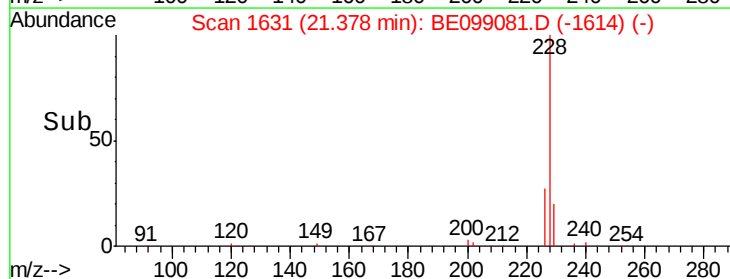
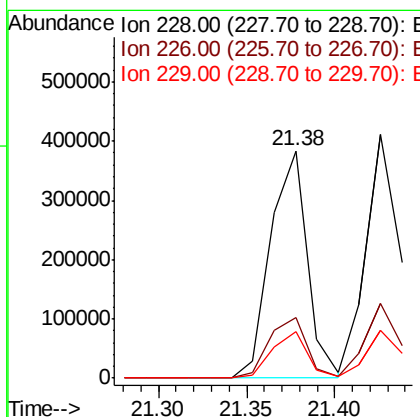
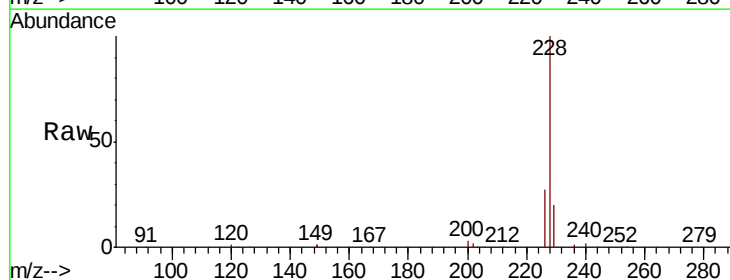
Instrument :
 BNA_E
 ClientSampleId :

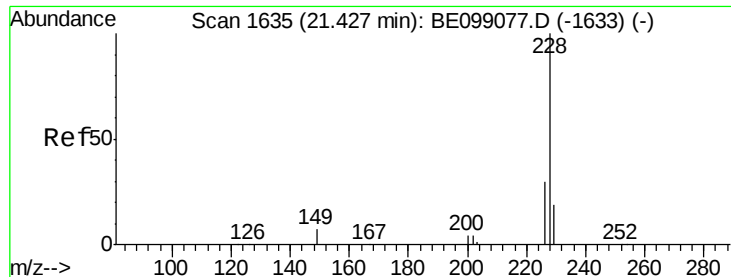
Tot Ion:244 Resp: 356657
 Ion Ratio Lower Upper
 244 100
 212 29.8 26.9 40.3
 122 7.2 7.8 11.8#



#30
 Benzo(a)anthracene
 Concen: 5.335 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BE099081.D
 Acq: 22 Mar 2019 14:34

Tgt Ion:228 Resp: 557092
 Ion Ratio Lower Upper
 228 100
 226 26.6 22.4 33.6
 229 20.3 15.6 23.4





#31

Chrysene

Concen: 4.881 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

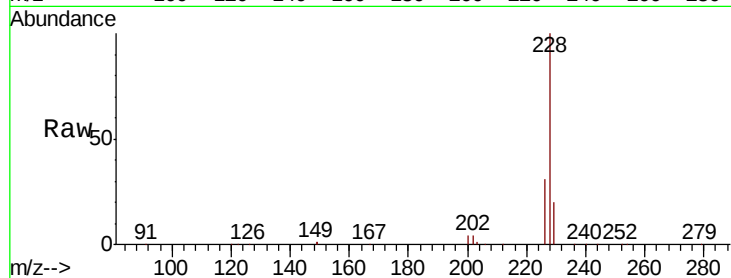
Tot Ion:228 Resp: 545303

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

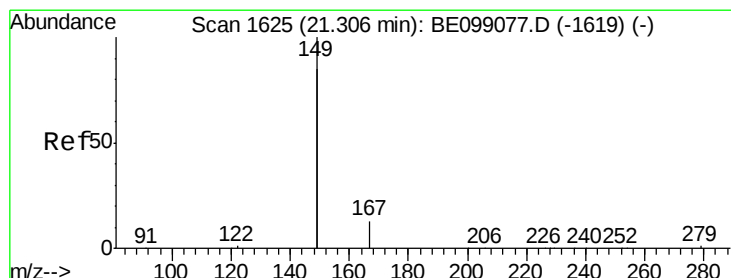
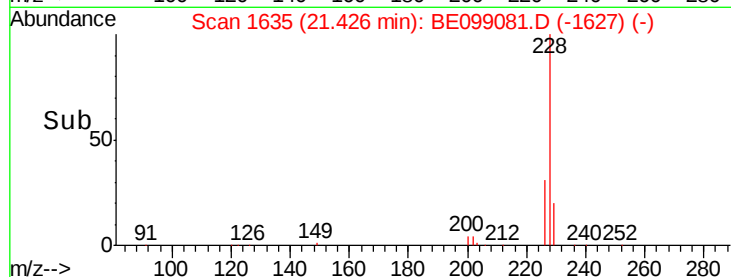
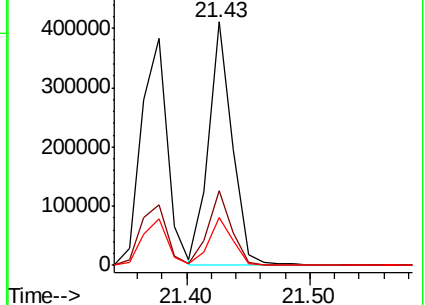
229 19.8 15.5 23.3



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: 3.727 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

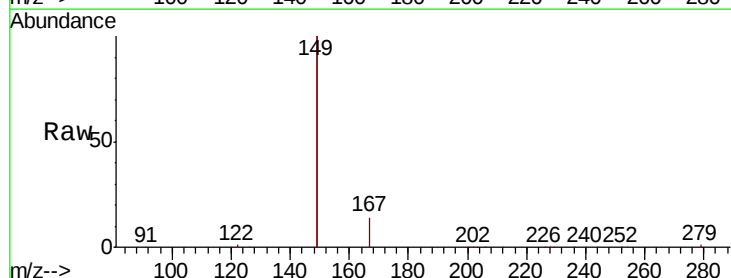
Tgt Ion:149 Resp: 828133

Ion Ratio Lower Upper

149 100

167 7.2 5.7 8.5

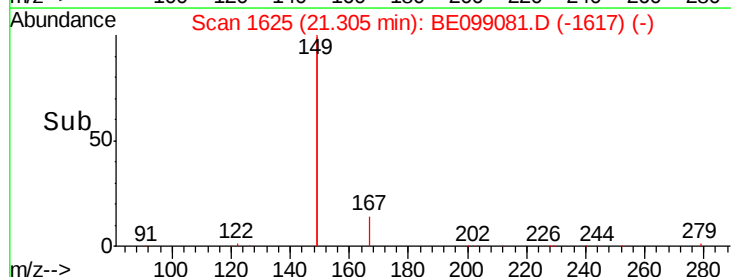
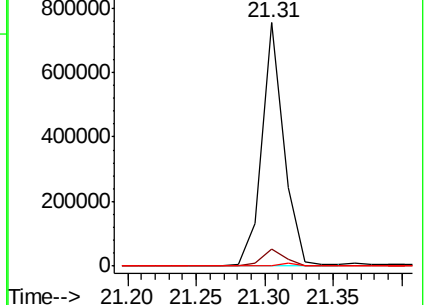
279 1.0 0.8 1.2

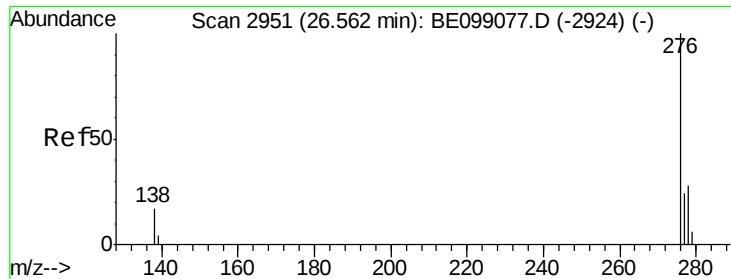


Abundance Ion 149.00 (148.70 to 149.70): E

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: 5.198 ng

RT: 26.57 min Scan# 2953

Delta R.T. 0.01 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

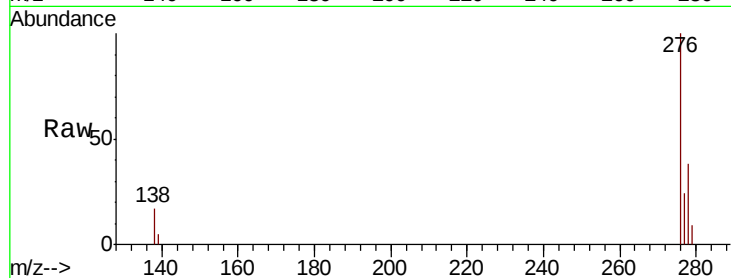
Tot Ion:276 Resp: 613065

Ion Ratio Lower Upper

276 100

138 19.1 15.8 23.8

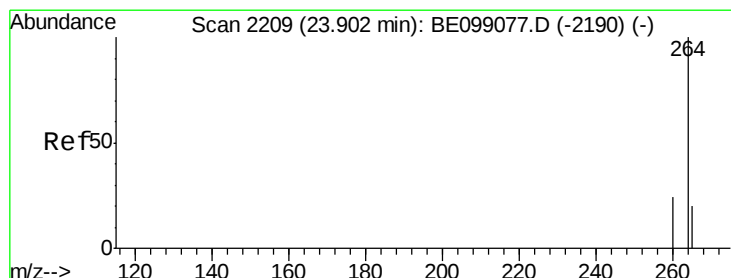
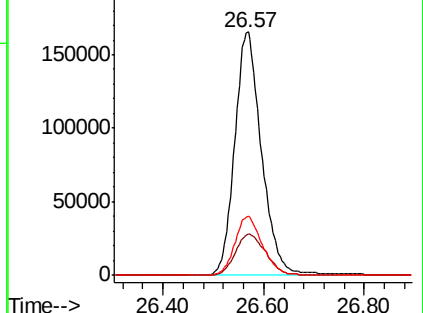
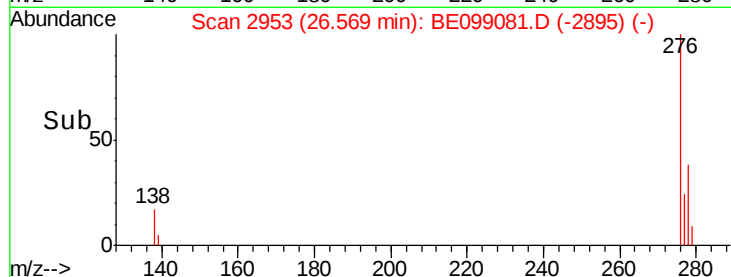
277 24.8 19.4 29.2



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: 23.90 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

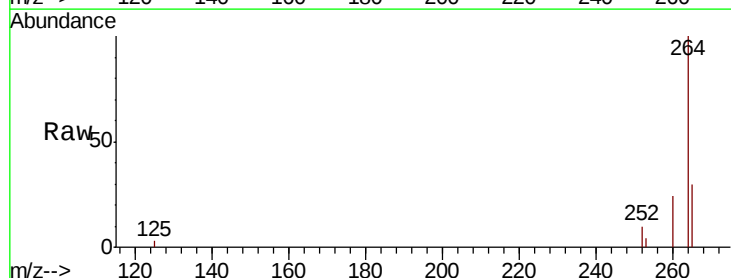
Tgt Ion:264 Resp: 33007

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

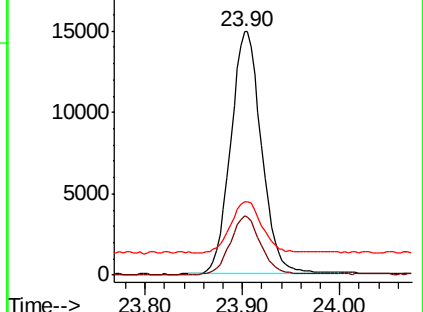
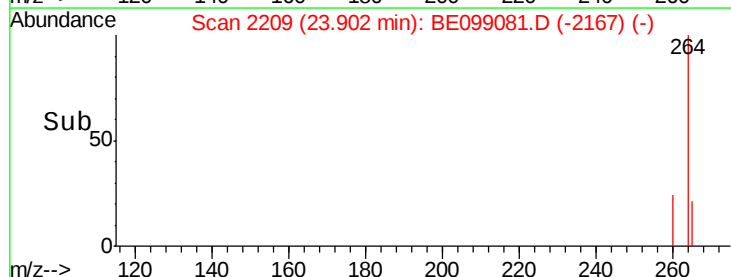
265 30.2 24.1 36.1



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: 5.019 ng

RT: 23.13 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :

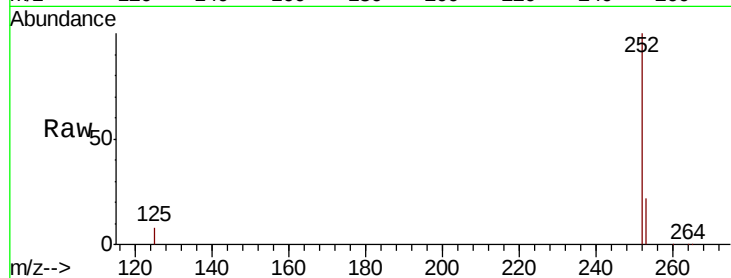
Tot Ion:252 Resp: 544695

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

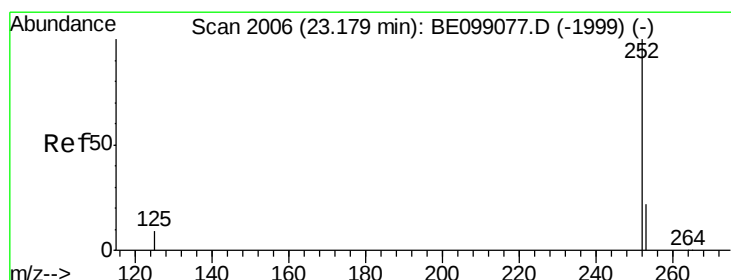
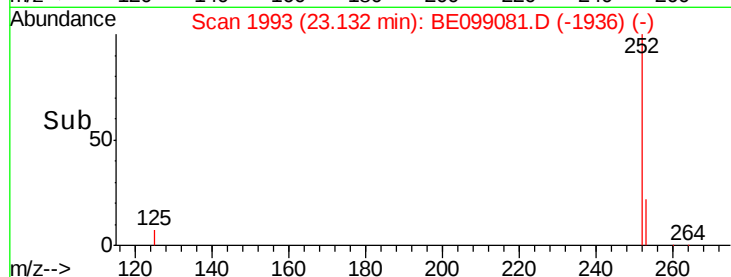
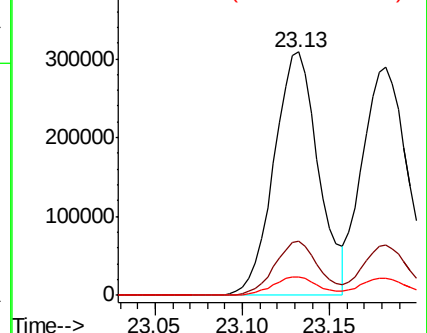
125 7.5 7.0 10.4



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: 4.695 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

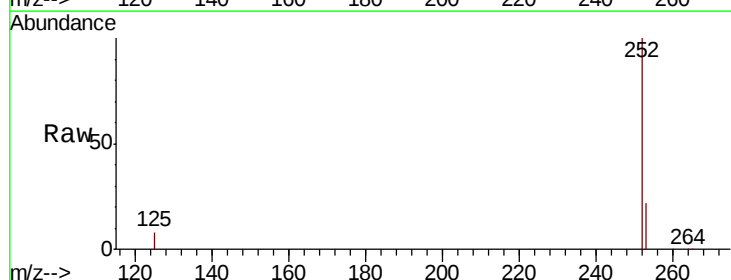
Tgt Ion:252 Resp: 533457

Ion Ratio Lower Upper

252 100

253 22.2 18.6 28.0

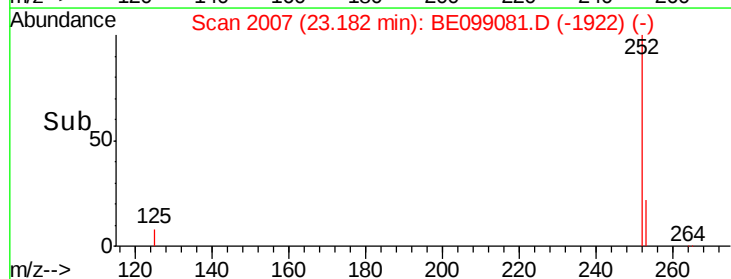
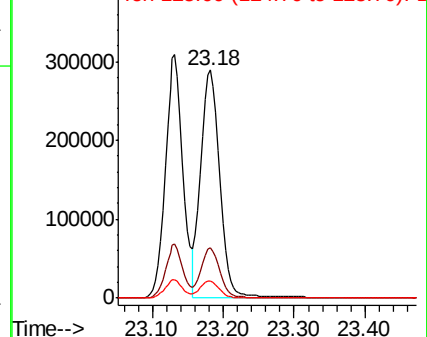
125 7.7 7.8 11.6#



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

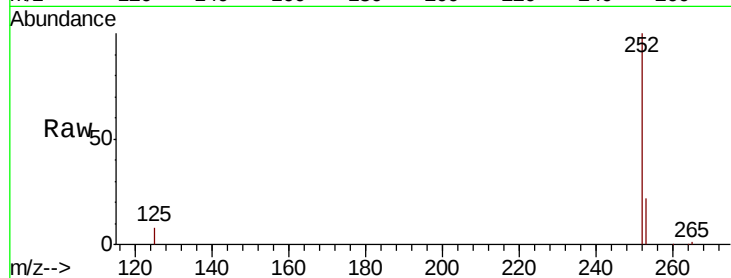




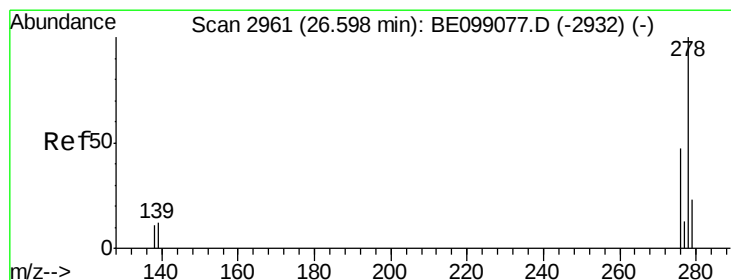
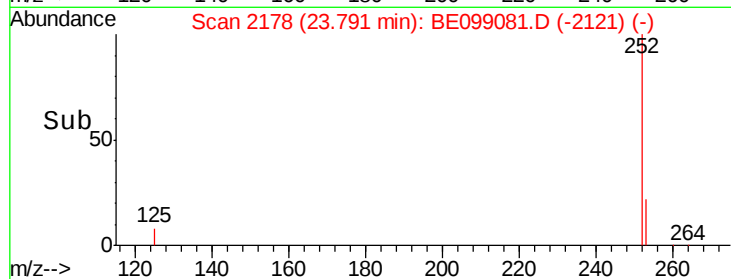
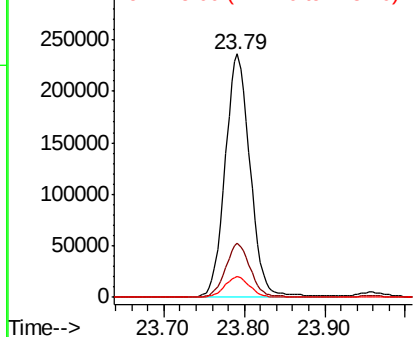
#37
Benzo(a)pyrene
Concen: 4.850 ng
RT: 23.79 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 504702
Ion Ratio Lower Upper
252 100
253 22.0 19.3 28.9
125 8.3 8.3 12.5

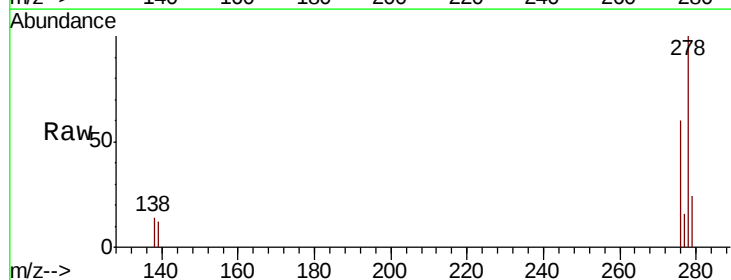


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

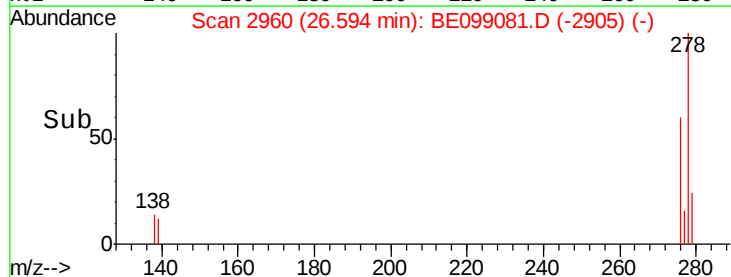
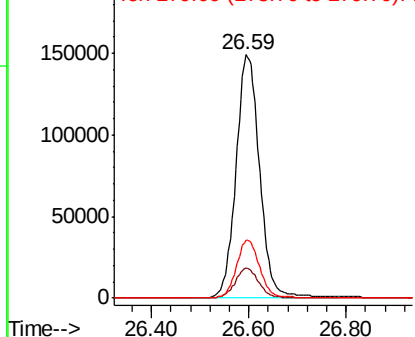


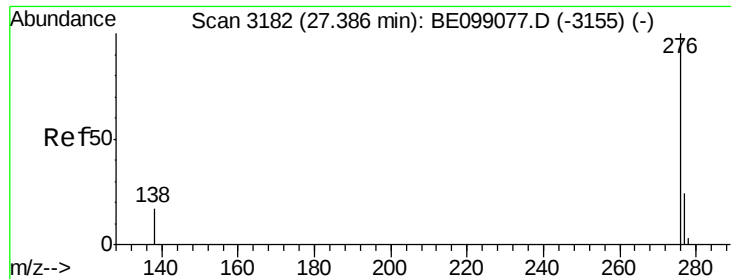
#38
Dibenzo(a,h)anthracene
Concen: 5.132 ng
RT: 26.59 min Scan# 2960
Delta R.T. -0.00 min
Lab File: BE099081.D
Acq: 22 Mar 2019 14:34

Tgt Ion:278 Resp: 505232
Ion Ratio Lower Upper
278 100
139 12.3 10.6 16.0
279 23.8 19.4 29.2



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





#39

Benzo(a,h,i)perylene

Concen: 4.880 ng

RT: 27.39 min Scan# 3182

Delta R.T. -0.00 min

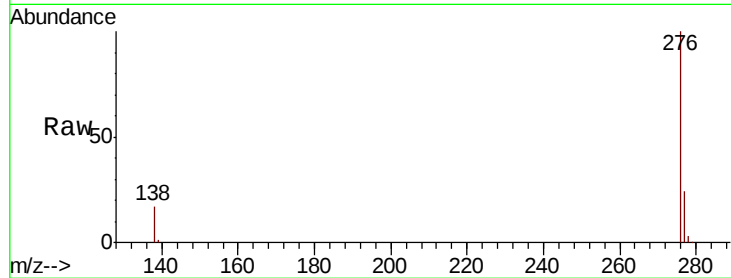
Lab File: BE099081.D

Acq: 22 Mar 2019 14:34

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 502490

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 16.6 14.6 21.8

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

