

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032519\
 Data File : BE099208.D
 Acq On : 26 Mar 2019 9:52
 Operator : JU/SJ
 Sample : PB118226BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

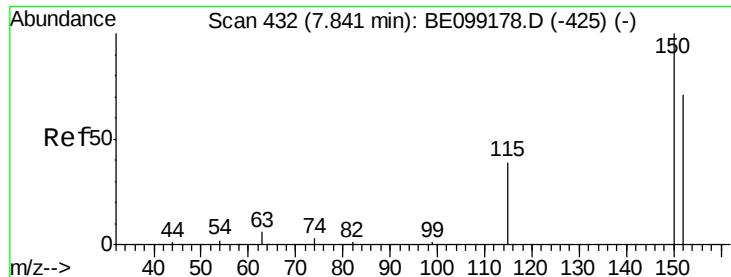
Quant Time: Mar 26 11:06:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3692	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13784	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8579	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	27235	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	34361	0.40	ng	-0.01
34) Perylene-d12	23.89	264	32543	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3813	0.35	ng	0.00
5) Phenol-d6	6.99	99	4843	0.29	ng	0.00
8) Nitrobenzene-d5	8.99	82	3700	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	10947	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1156	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11999	0.34	ng	0.00
25) Fluoranthene-d10	19.24	212	118284	0.36	ng	0.00
29) Terphenyl-d14	19.83	244	23677	0.32	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	2160	0.444	ng	# 71
3) n-Nitrosodimethylamine	3.67	42	978	0.359	ng	# 91
6) bis(2-Chloroethyl)ether	7.26	93	4060	0.307	ng	96
9) Naphthalene	10.68	128	51551	0.317	ng	100
10) Hexachlorobutadiene	10.95	225	2897	0.334	ng	98
12) 2-Methylnaphthalene	12.30	142	8793	0.303	ng	99
16) Acenaphthylene	14.20	152	13026	0.298	ng	98
17) Acenaphthene	14.54	154	8111	0.310	ng	100
18) Fluorene	15.51	166	12203	0.332	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	4665	0.265	ng	# 70
21) Hexachlorobenzene	16.51	284	4627	0.273	ng	98
22) Pentachlorophenol	16.85	266	1292	0.733	ng	92
23) Phenanthrene	17.26	178	24901	0.311	ng	99
24) Anthracene	17.34	178	22480	0.311	ng	99
26) Fluoranthene	19.26	202	34742	0.340	ng	99
28) Pyrene	19.63	202	36534	0.320	ng	100
30) Benzo(a)anthracene	21.37	228	36938	0.326	ng	99
31) Chrysene	21.41	228	38172	0.315	ng	100
32) Bis(2-ethylhexyl)phthalate	21.28	149	41605	0.308	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	30624	0.267	ng	99
35) Benzo(b)fluoranthene	23.12	252	32382	0.302	ng	99
36) Benzo(k)fluoranthene	23.17	252	38471	0.340	ng	99
37) Benzo(a)pyrene	23.78	252	33269	0.333	ng	98
38) Dibenzo(a,h)anthracene	26.58	278	22411	0.252	ng	# 95
39) Benzo(g,h,i)perylene	27.37	276	25202	0.283	ng	97

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

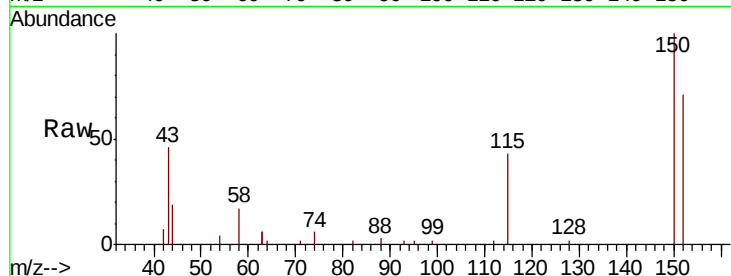


#1

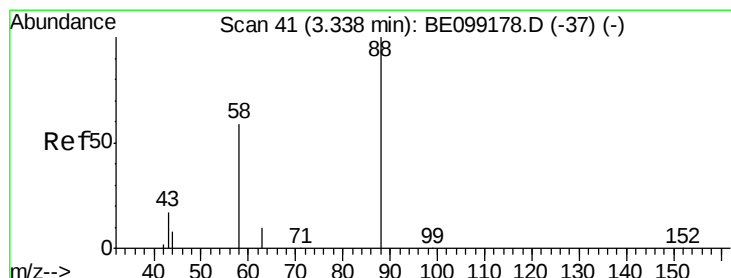
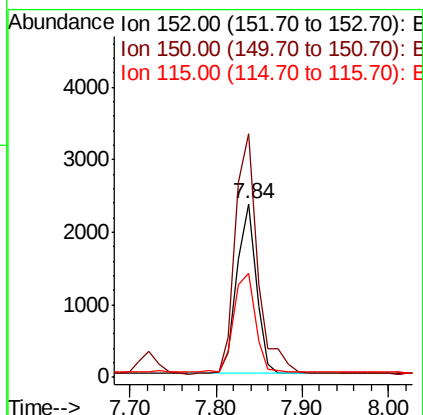
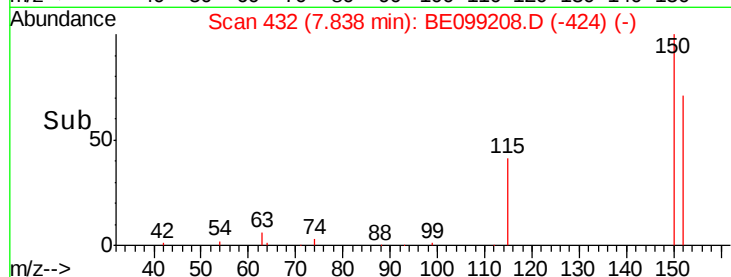
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3692
Ion Ratio Lower Upper
152 100
150 140.5 112.8 169.2
115 60.0 45.1 67.7



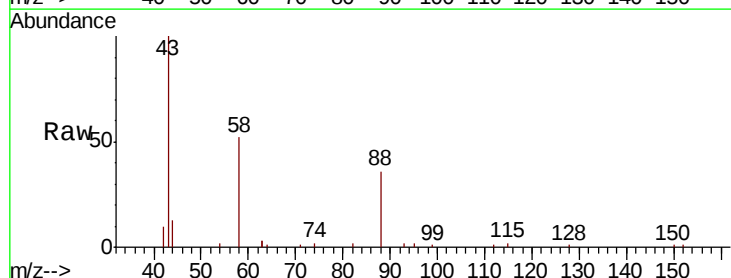
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



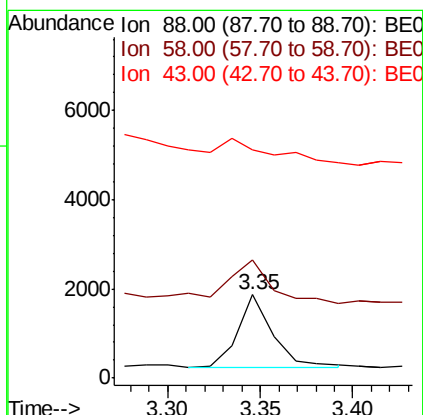
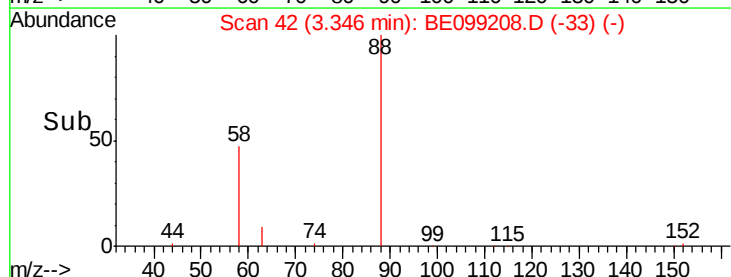
#2

1,4-Dioxane
Concen: 0.444 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Tgt Ion: 88 Resp: 2160
Ion Ratio Lower Upper
88 100
58 77.2 47.4 71.0#
43 40.2 15.6 23.4#



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: 0.359 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampled :

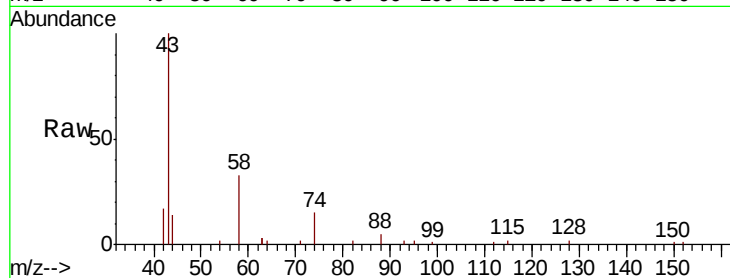
Tot Ion: 42 Resp: 978

Ion Ratio Lower Upper

42 100

74 160.6 138.6 207.8

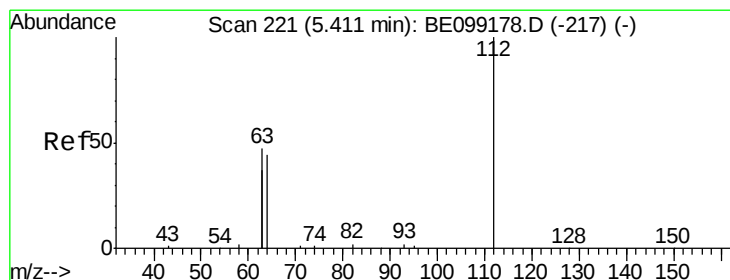
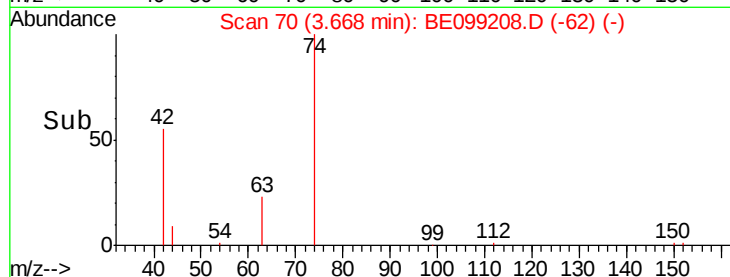
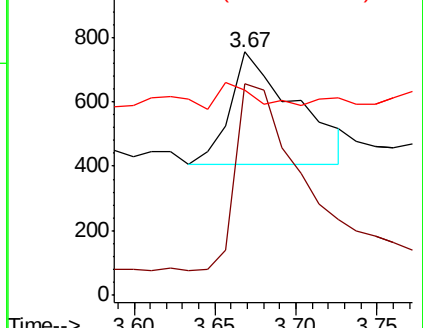
44 14.0 15.0 22.6#



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: 0.346 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

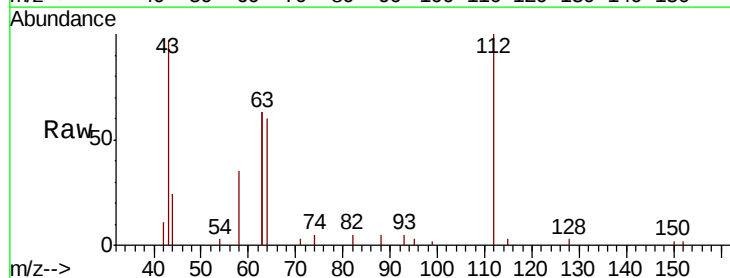
Tgt Ion: 112 Resp: 3813

Ion Ratio Lower Upper

112 100

64 59.6 46.2 69.2

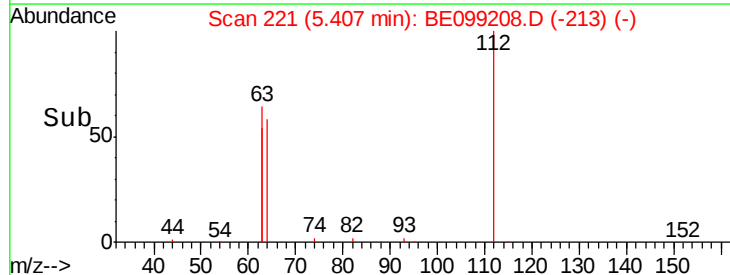
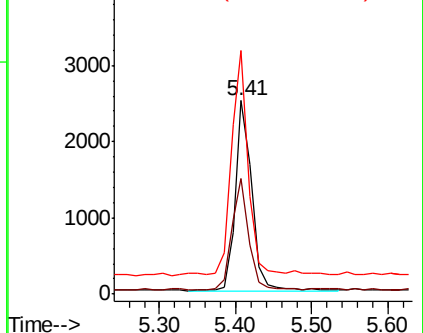
63 118.6 89.9 134.9

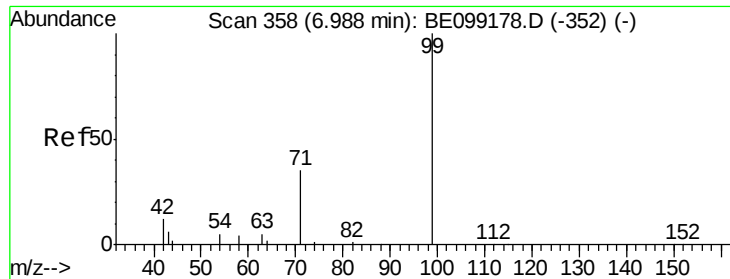


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.288 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

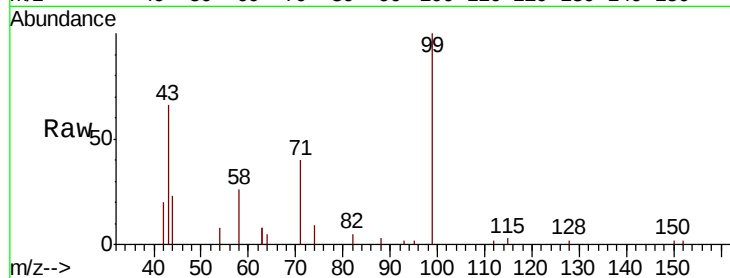
Tot Ion: 99 Resp: 4843

Ion Ratio Lower Upper

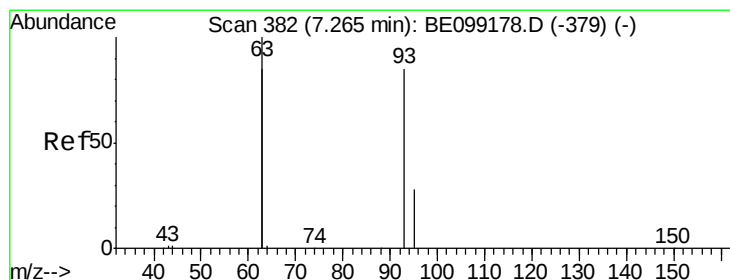
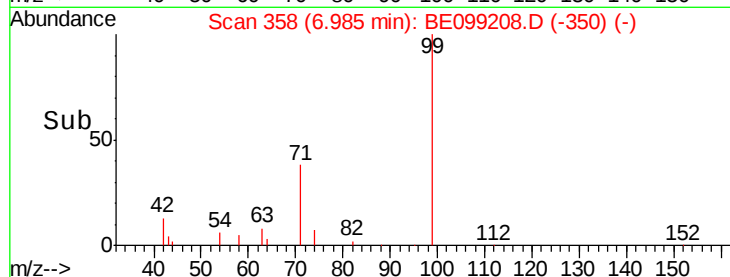
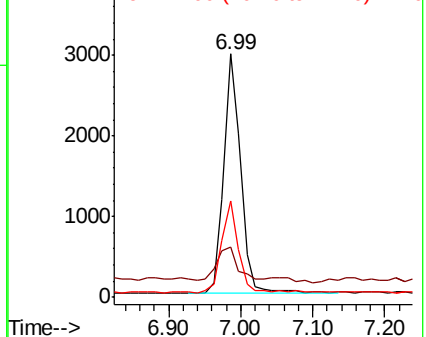
99 100

42 15.7 12.4 18.6

71 37.4 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.307 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

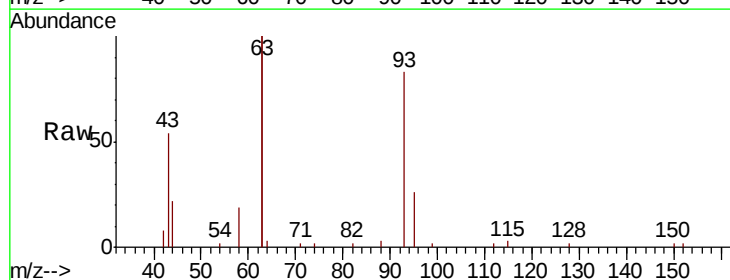
Tgt Ion: 93 Resp: 4060

Ion Ratio Lower Upper

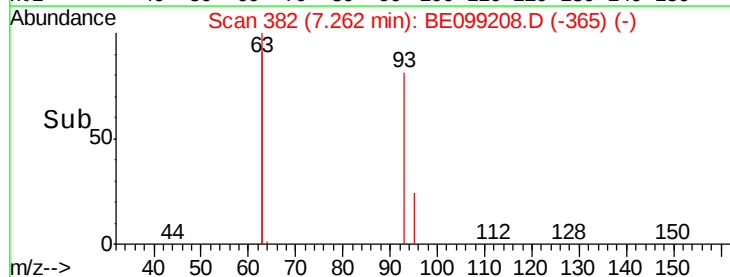
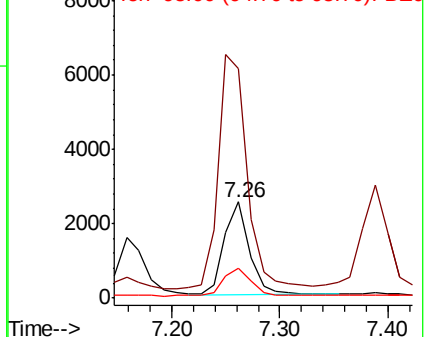
93 100

63 283.9 221.4 332.0

95 33.7 25.8 38.8



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: 10.63 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13784

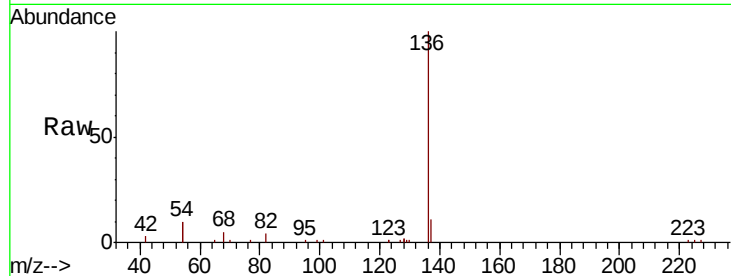
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 19.7 18.7 28.1

68 5.4 5.2 7.8

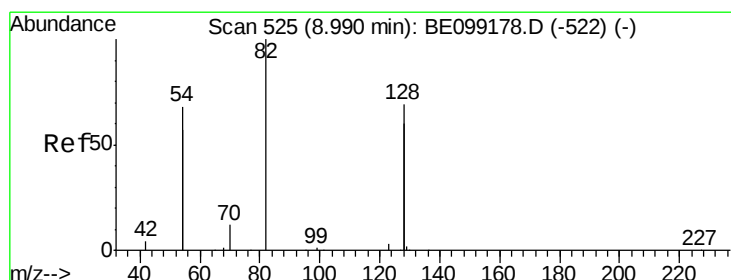
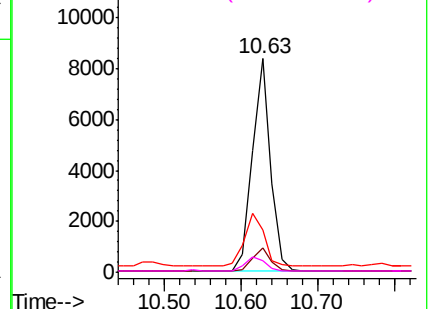
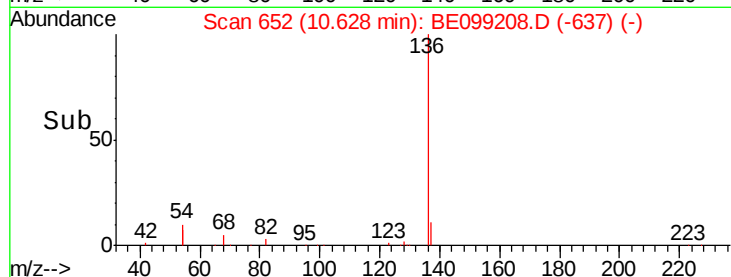


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.329 ng

RT: 8.99 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

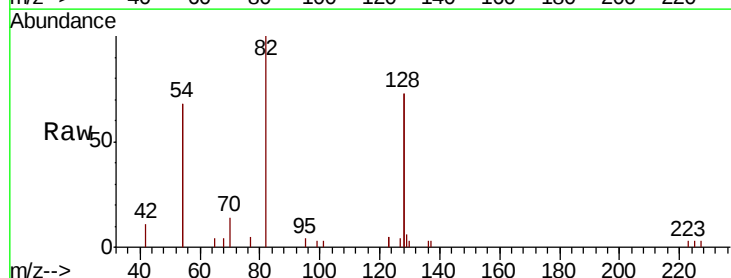
Tgt Ion: 82 Resp: 3700

Ion Ratio Lower Upper

82 100

128 146.9 107.5 161.3

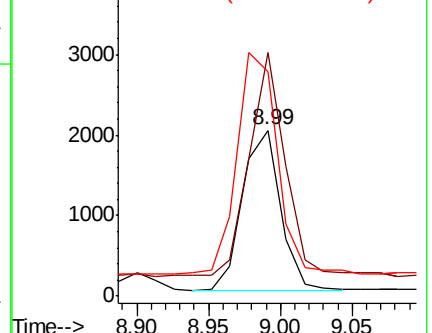
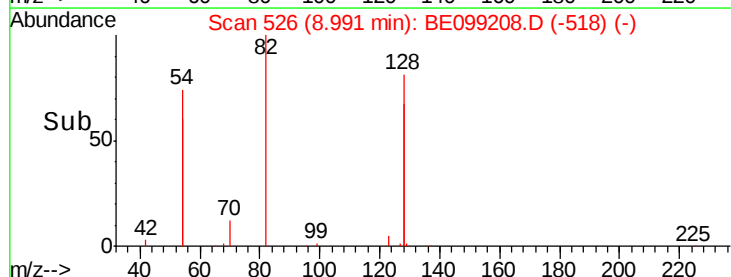
54 135.1 106.3 159.5

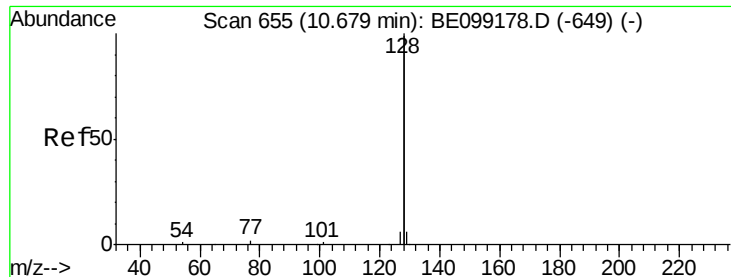


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.317 ng

RT: 10.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

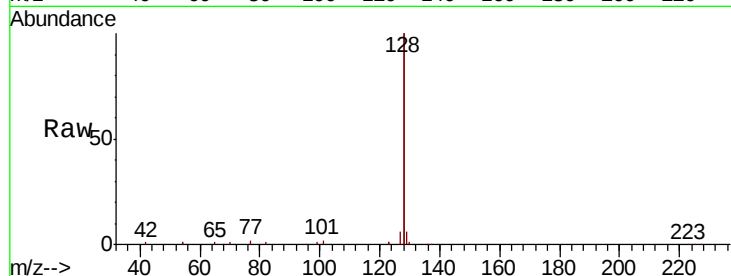
Tot Ion:128 Resp: 51551

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

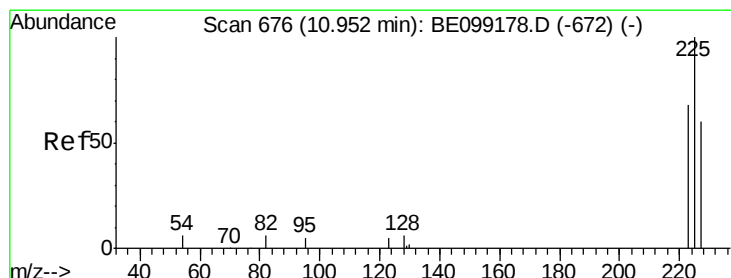
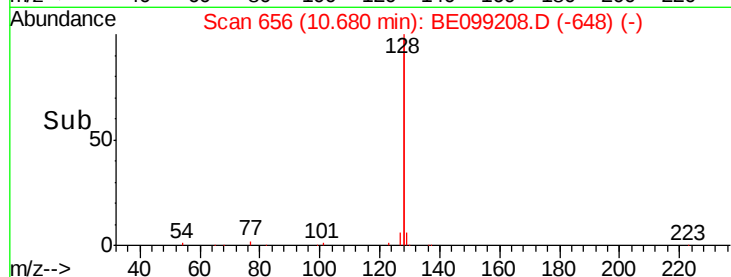
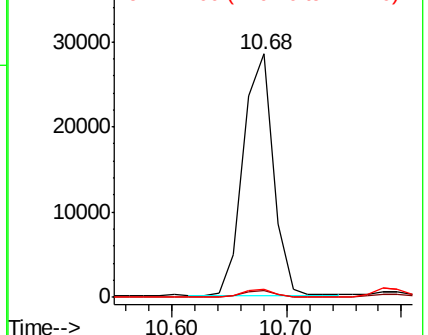
127 3.2 2.6 3.8



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: 0.334 ng

RT: 10.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

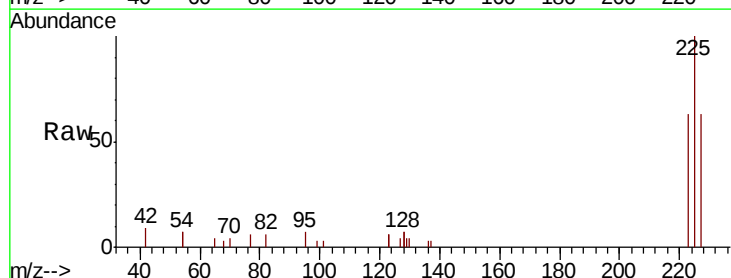
Tgt Ion:225 Resp: 2897

Ion Ratio Lower Upper

225 100

223 62.4 51.3 76.9

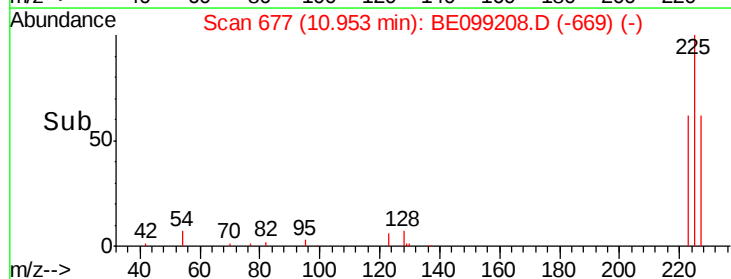
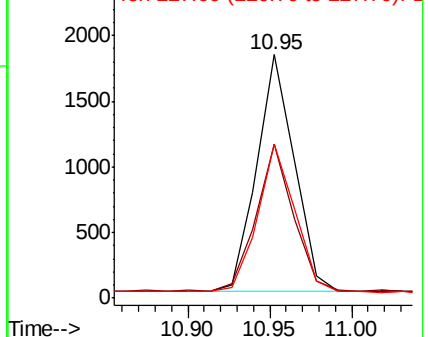
227 61.7 48.6 73.0

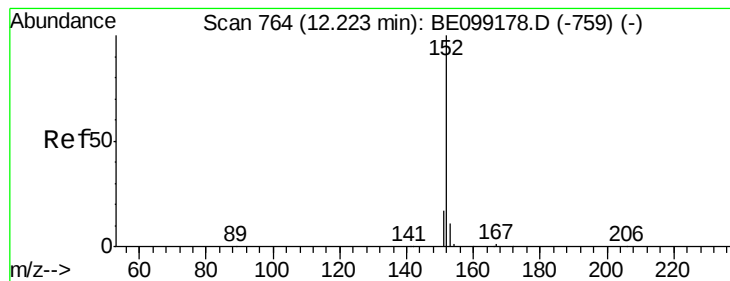


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.412 ng

RT: 12.22 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

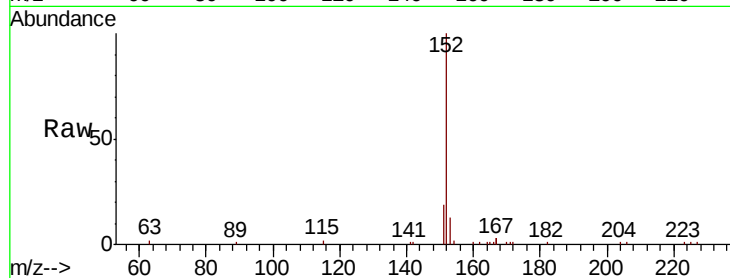
ClientSampleId :

Tot Ion:152 Resp: 10947

Ion Ratio Lower Upper

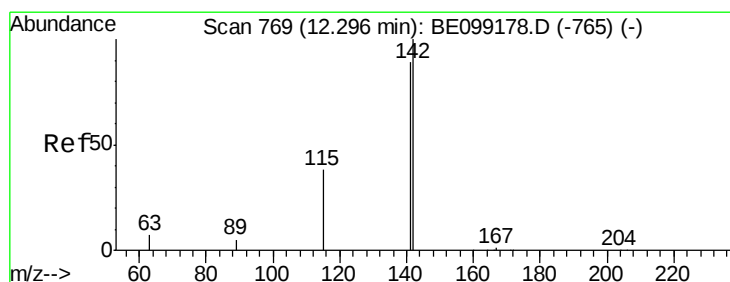
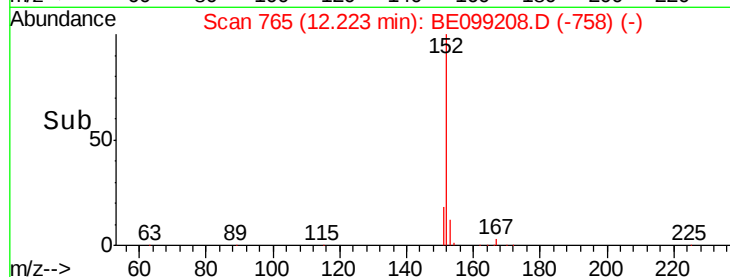
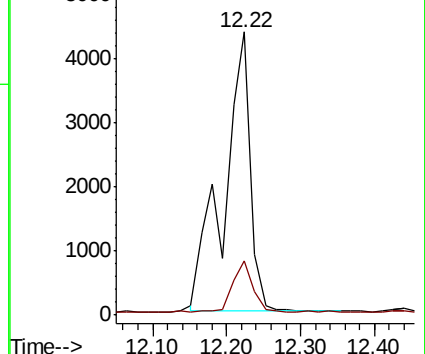
152 100

151 13.6 15.0 22.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.303 ng

RT: 12.30 min Scan# 770

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

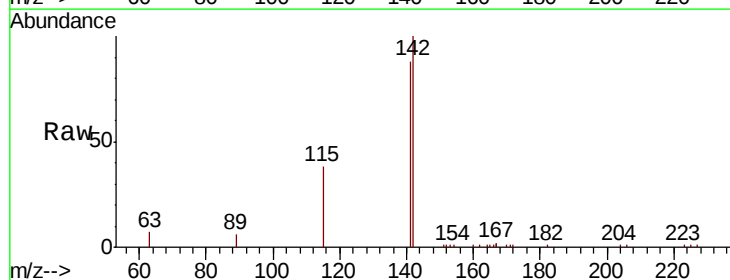
Tgt Ion:142 Resp: 8793

Ion Ratio Lower Upper

142 100

141 88.4 71.3 106.9

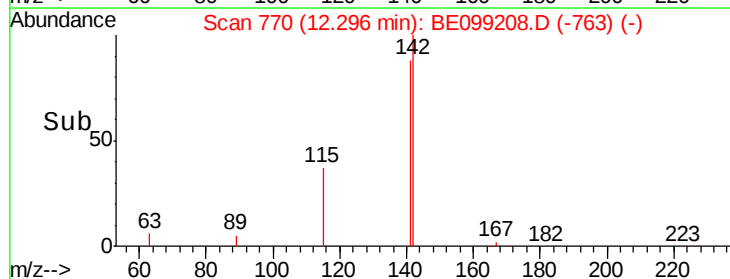
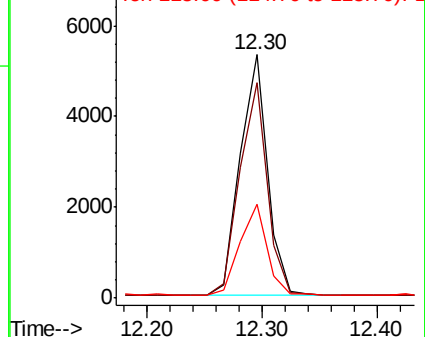
115 38.4 30.4 45.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

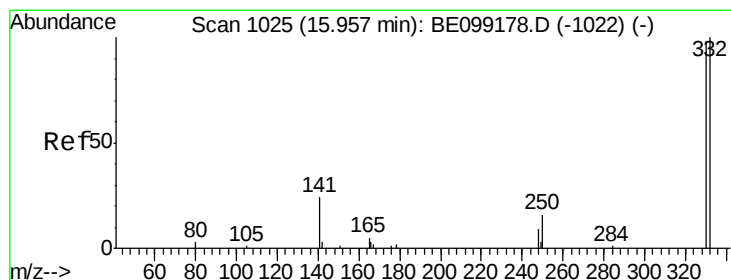
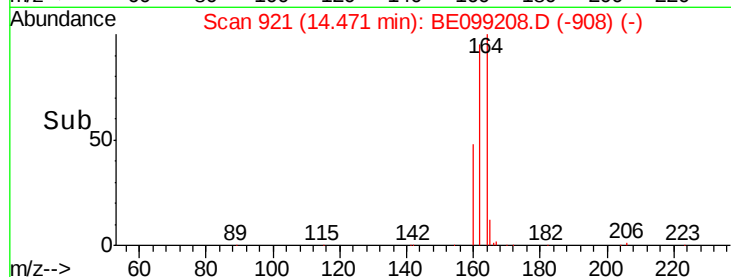
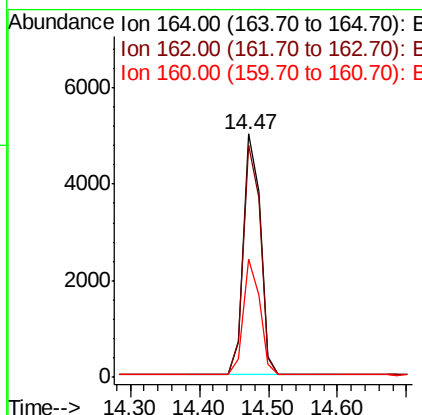
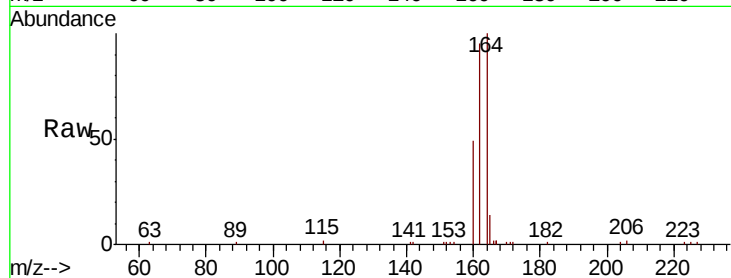




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 921
Delta R.T. -0.01 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

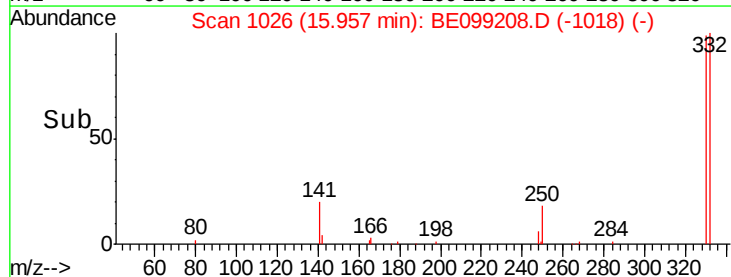
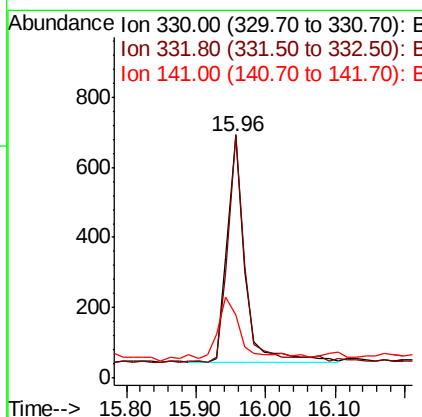
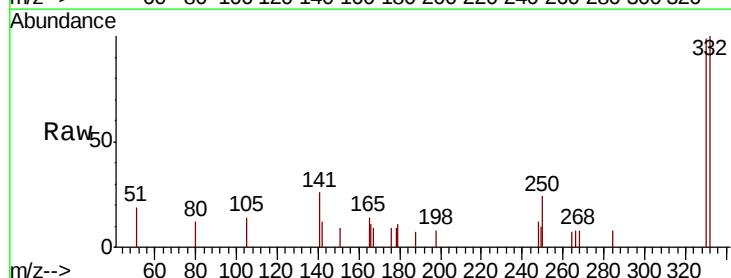
Instrument :
BNA_E
ClientSampleId :

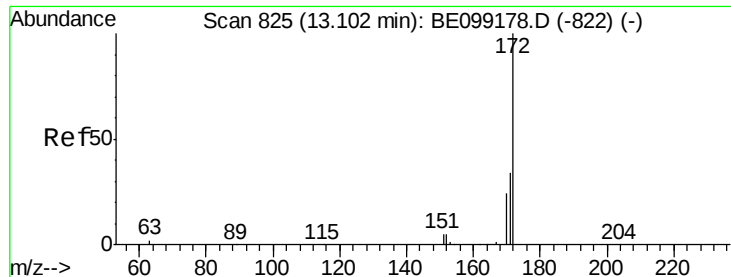
Tot Ion:164 Resp: 8579
Ion Ratio Lower Upper
164 100
162 95.3 79.2 118.8
160 48.6 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.466 ng
RT: 15.96 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Tgt Ion:330 Resp: 1156
Ion Ratio Lower Upper
330 100
332 91.6 71.3 106.9
141 32.9 21.7 32.5#

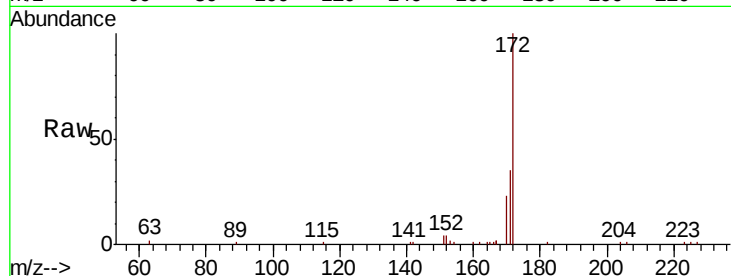




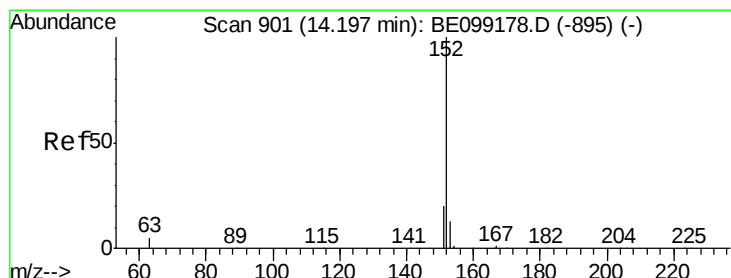
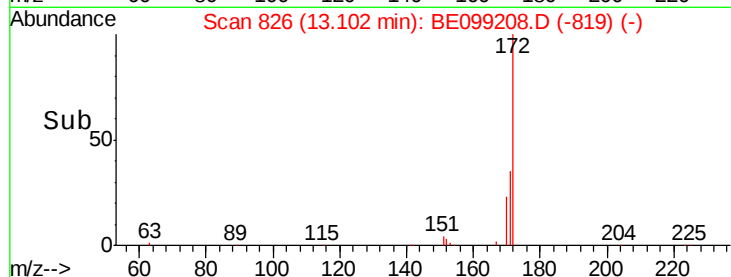
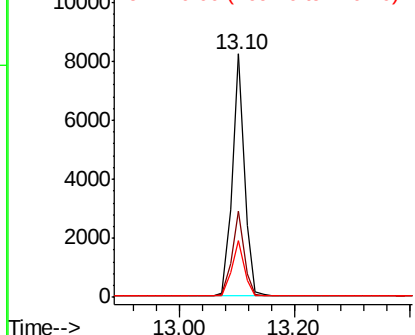
#15
2-Fluorobiphenyl
Concen: 0.343 ng
RT: 13.10 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 11999
Ion Ratio Lower Upper
172 100
171 35.5 27.4 41.0
170 23.5 19.1 28.7

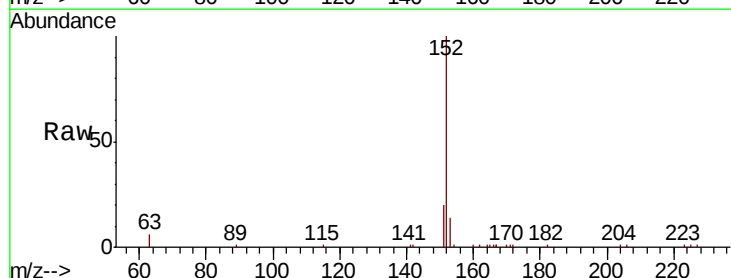


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

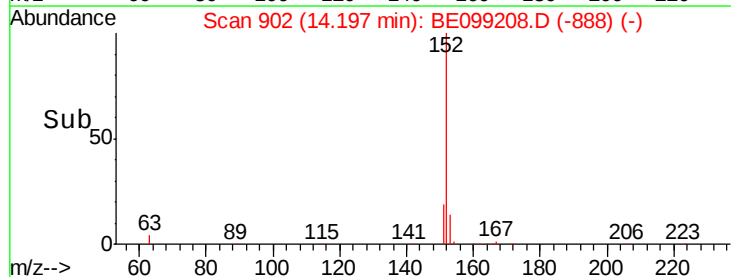
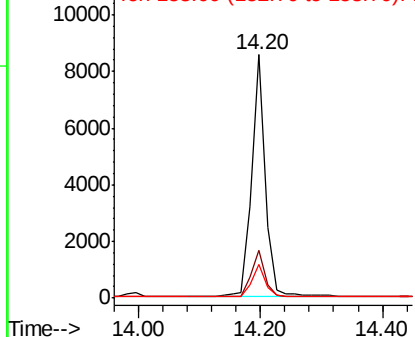


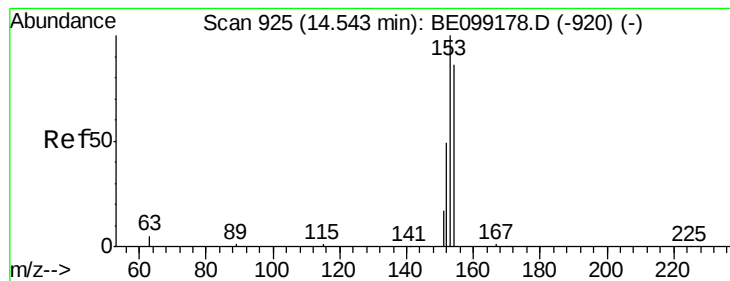
#16
Acenaphthylene
Concen: 0.298 ng
RT: 14.20 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Tgt Ion:152 Resp: 13026
Ion Ratio Lower Upper
152 100
151 18.4 15.7 23.5
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.310 ng

RT: 14.54 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

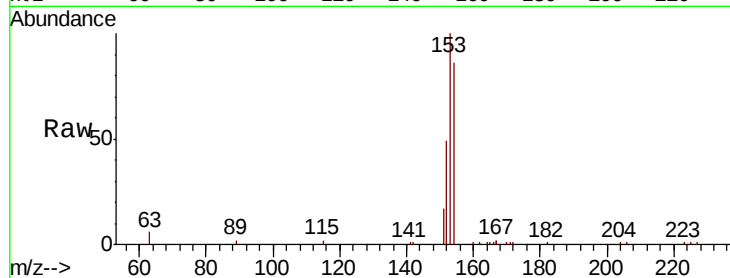
Tot Ion:154 Resp: 8111

Ion Ratio Lower Upper

154 100

153 116.8 93.4 140.0

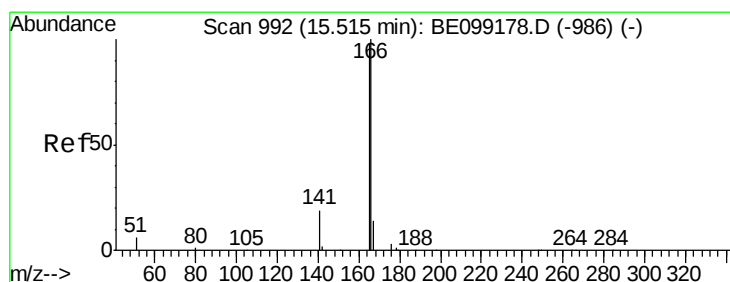
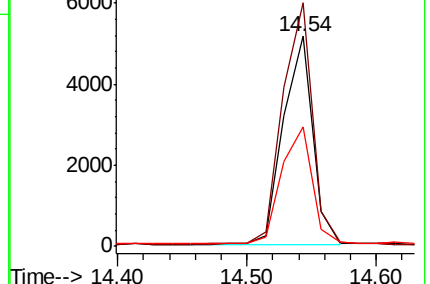
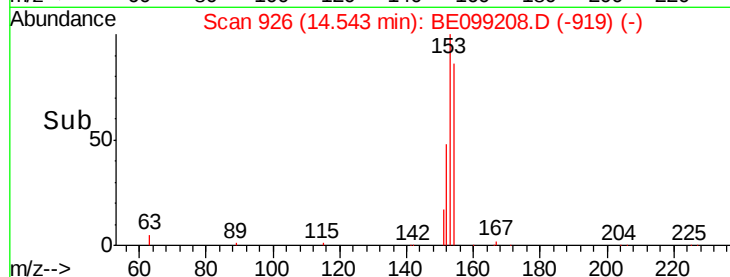
152 58.0 46.6 69.8



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: 0.332 ng

RT: 15.51 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

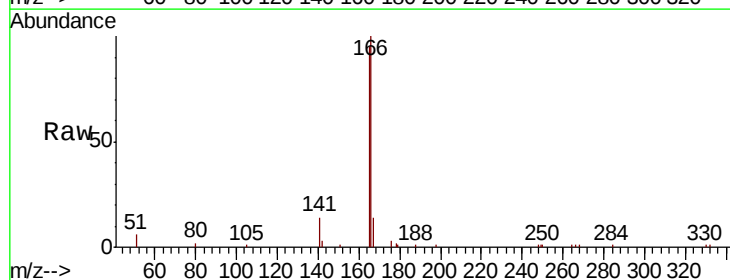
Tgt Ion:166 Resp: 12203

Ion Ratio Lower Upper

166 100

165 98.3 78.9 118.3

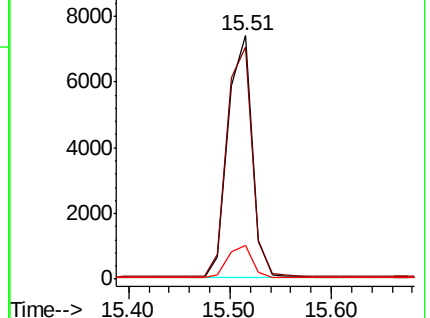
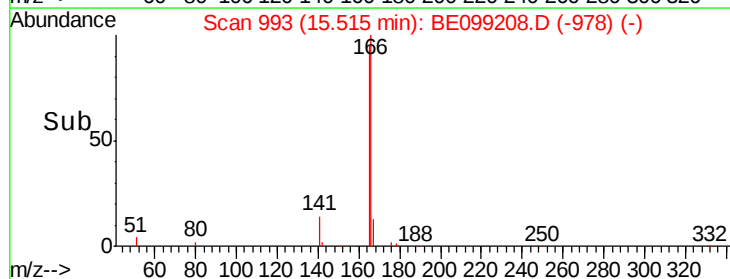
167 13.8 10.9 16.3

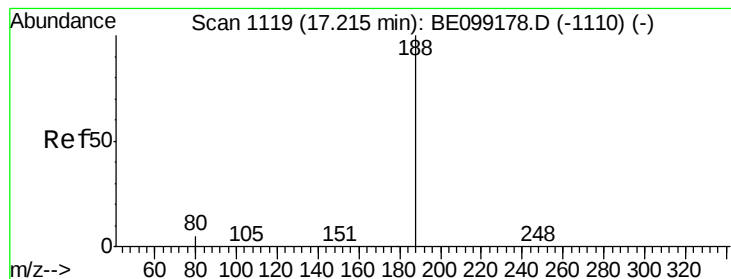


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.20 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

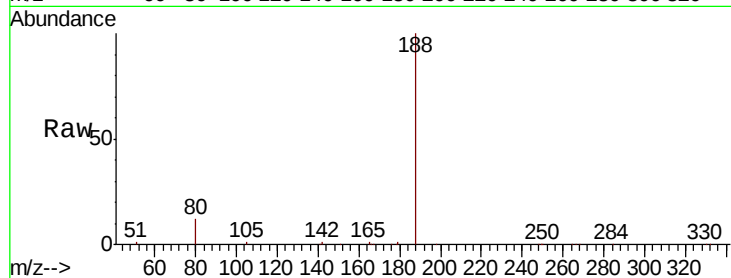
Tot Ion:188 Resp: 27235

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

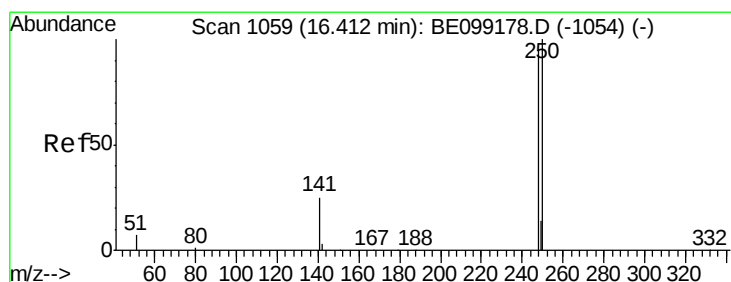
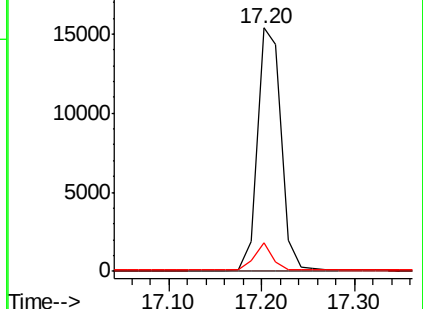
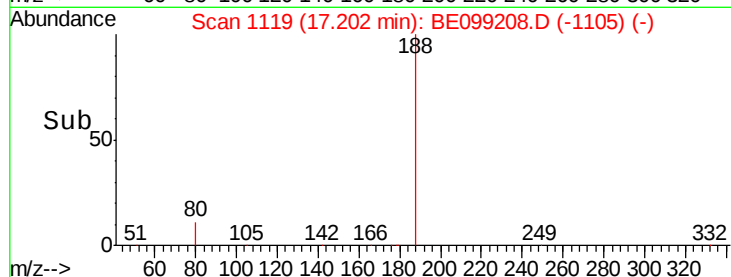
80 11.8 4.5 6.7#



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



#20

4-Bromophenyl-phenylether

Concen: 0.265 ng

RT: 16.40 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

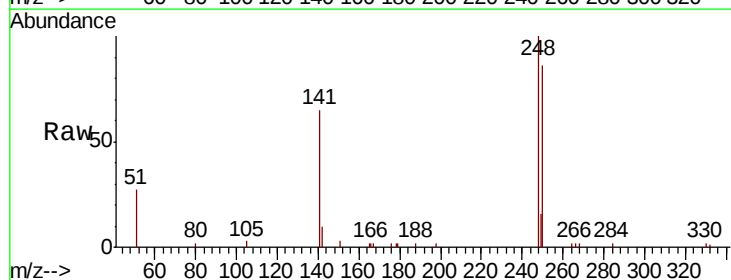
Tgt Ion:248 Resp: 4665

Ion Ratio Lower Upper

248 100

250 85.5 84.2 126.2

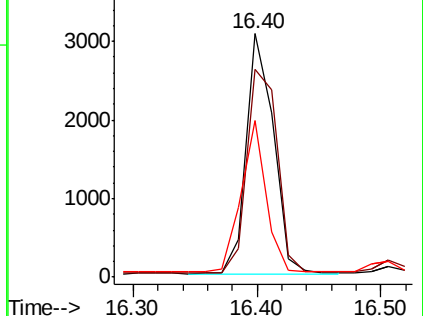
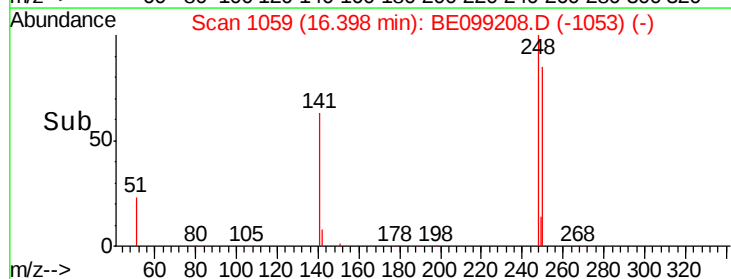
141 64.5 21.8 32.6#

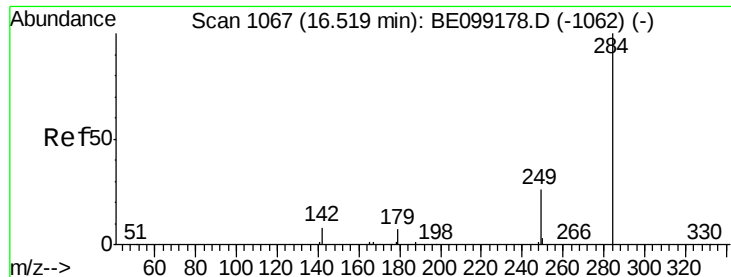


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.273 ng

RT: 16.51 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

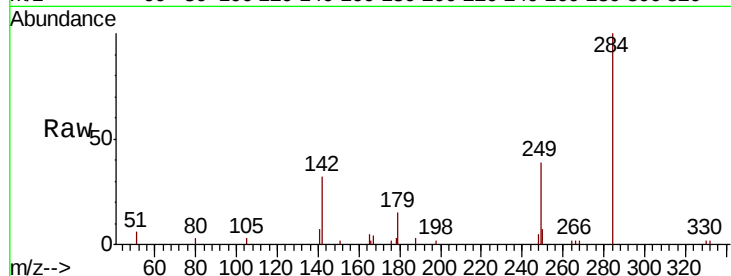
Instrument :

BNA_E

ClientSampleId :

Tot Ion:284 Resp: 4627

Ion	Ratio	Lower	Upper
284	100		
142	29.9	22.7	34.1
249	33.2	26.9	40.3

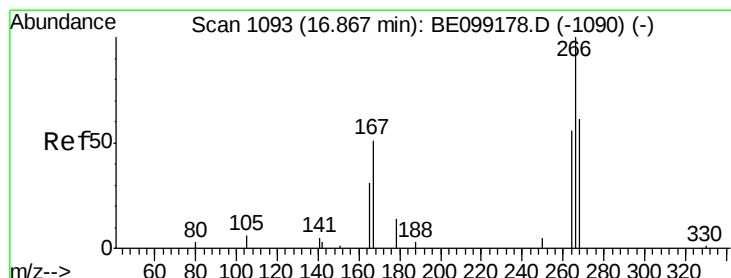
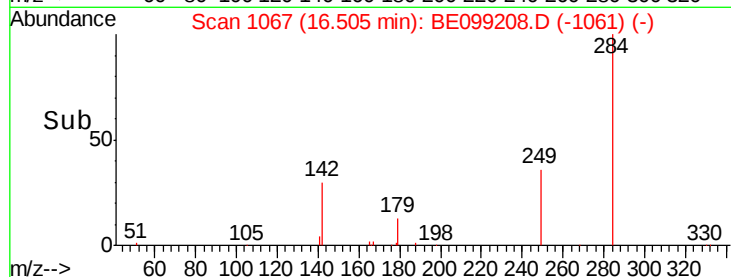
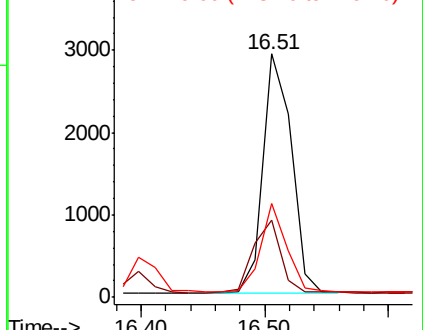


Abundance

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: 0.733 ng

RT: 16.85 min Scan# 1093

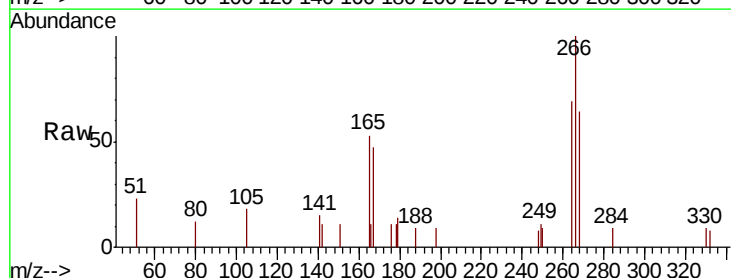
Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Tgt Ion:266 Resp: 1292

Ion	Ratio	Lower	Upper
266	100		
264	69.4	54.4	81.6
268	64.4	61.3	91.9

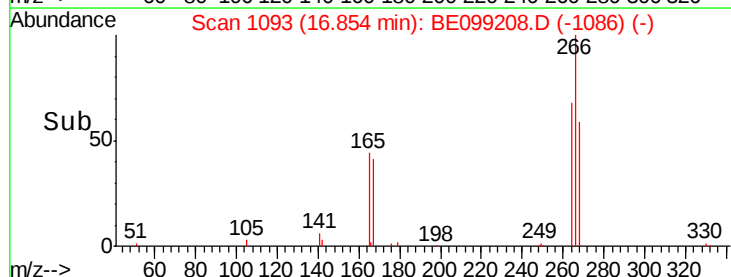
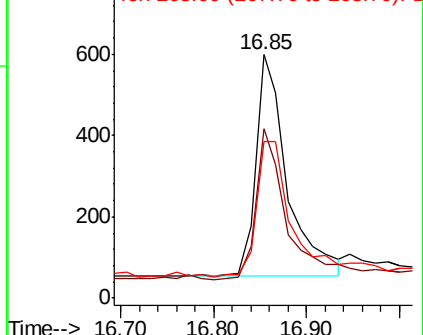


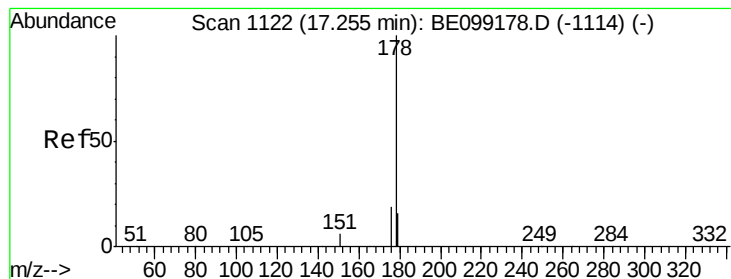
Abundance

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: 0.311 ng

RT: 17.26 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

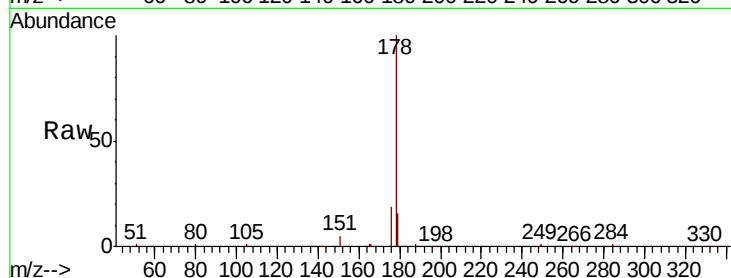
Tot Ion:178 Resp: 24901

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

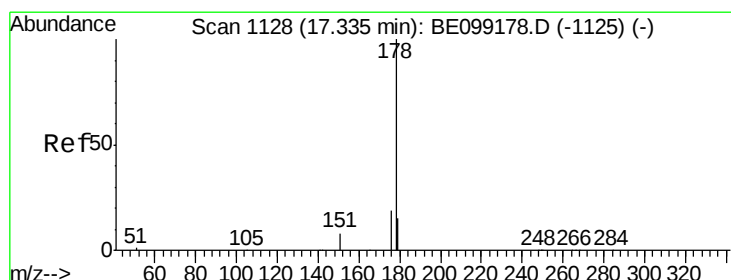
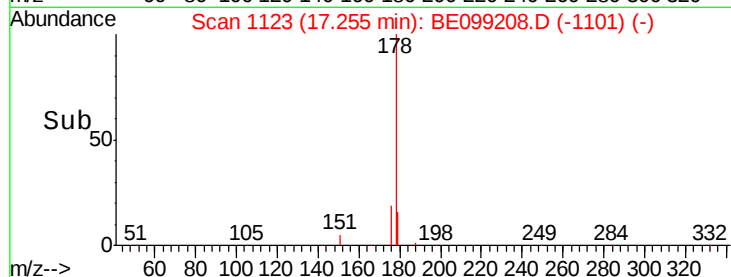
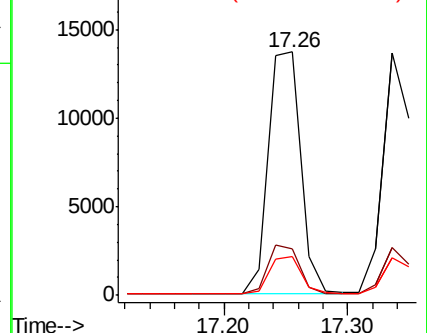
179 15.8 12.3 18.5



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



#24

Anthracene

Concen: 0.311 ng

RT: 17.34 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

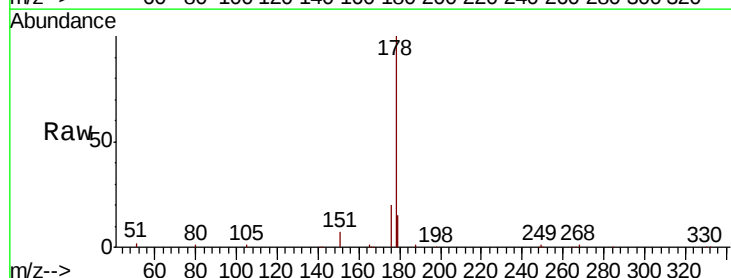
Tgt Ion:178 Resp: 22480

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

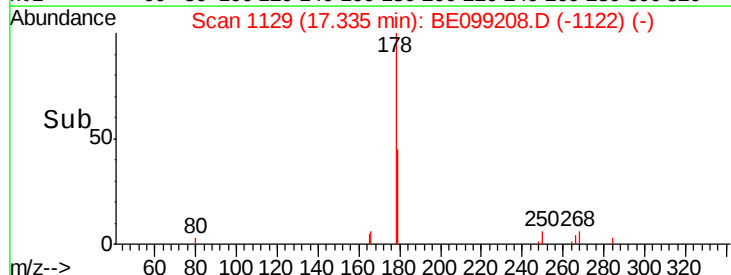
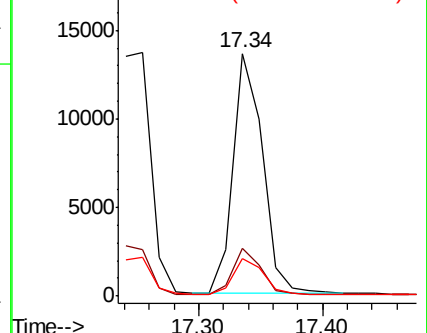
179 15.1 12.4 18.6

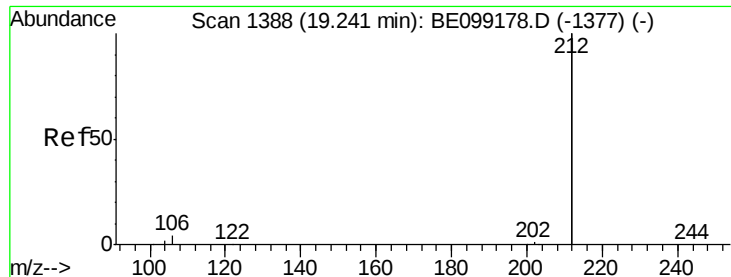


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

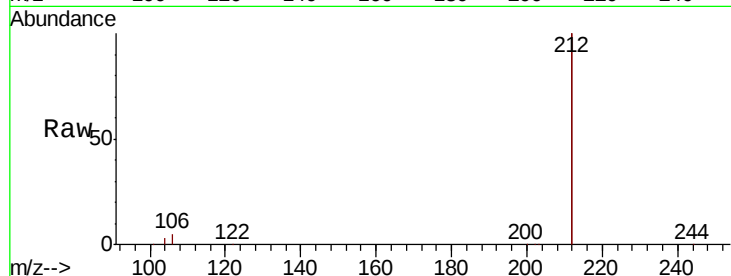
Tot Ion:212 Resp: 118284

Ion Ratio Lower Upper

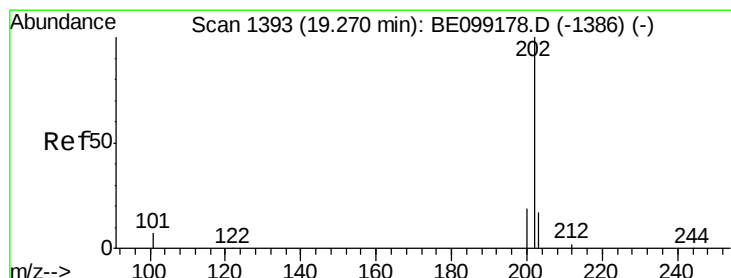
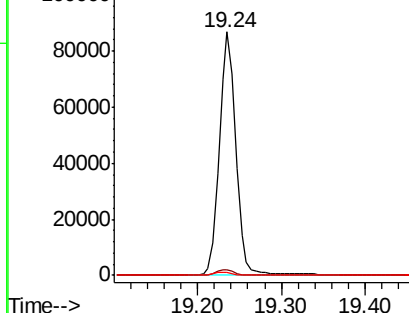
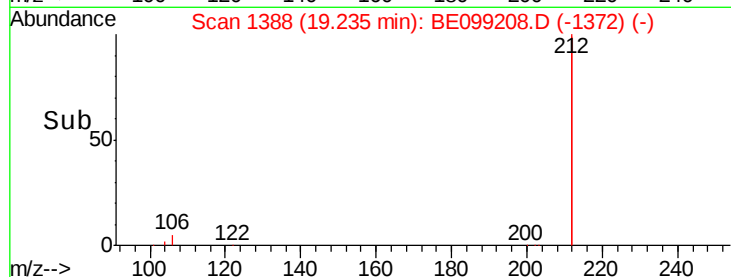
212 100

106 2.3 1.8 2.8

104 1.3 1.1 1.7



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: 0.340 ng

RT: 19.26 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

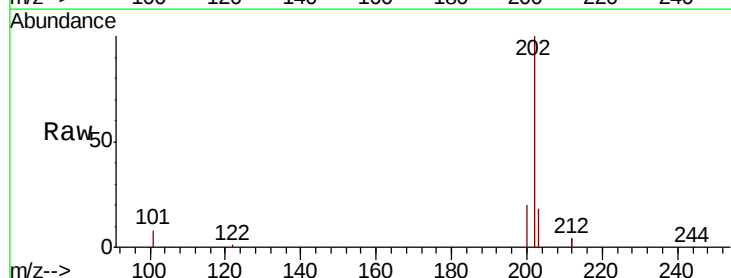
Tgt Ion:202 Resp: 34742

Ion Ratio Lower Upper

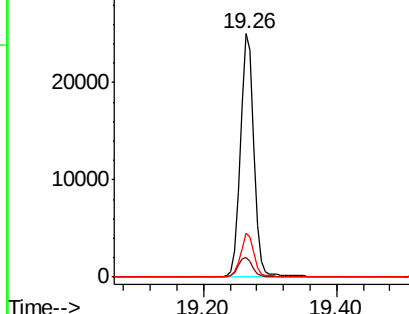
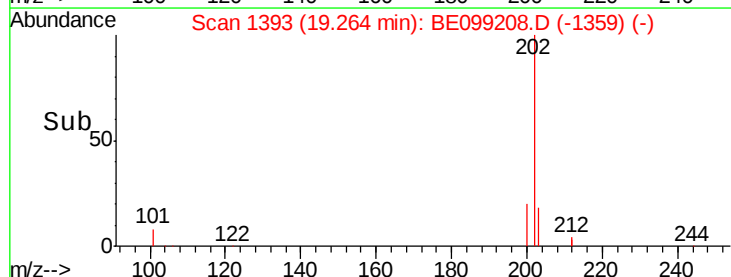
202 100

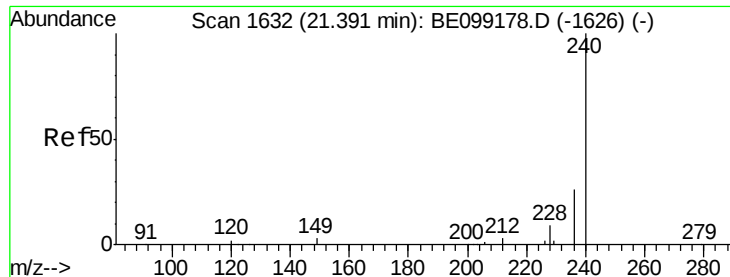
101 8.0 7.0 10.4

203 17.3 13.8 20.6



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

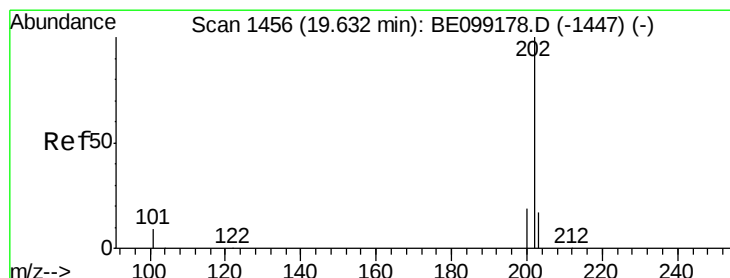
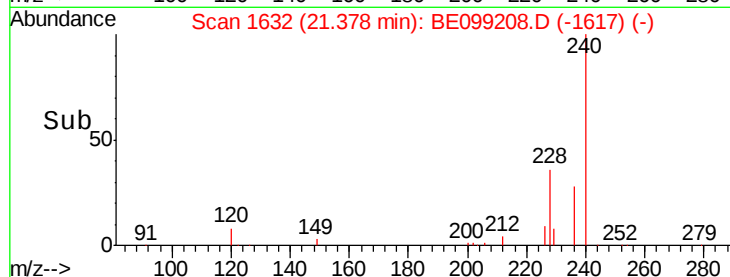
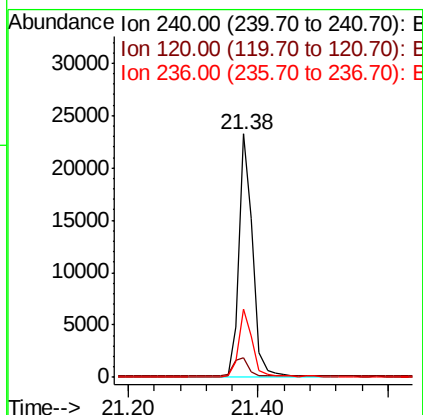
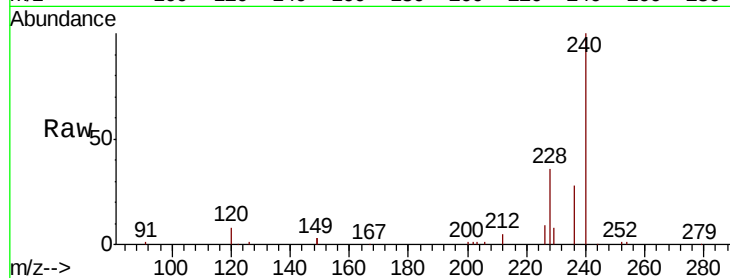




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099208.D
 Acq: 26 Mar 2019 9:52

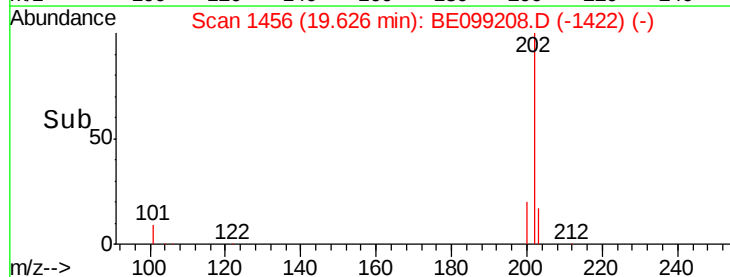
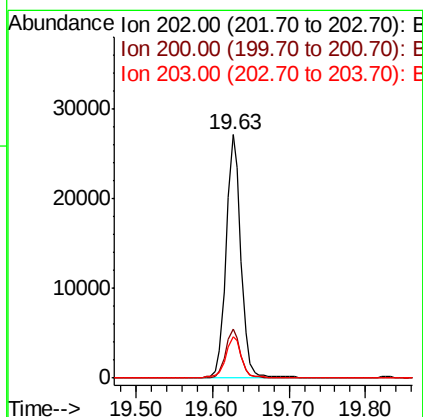
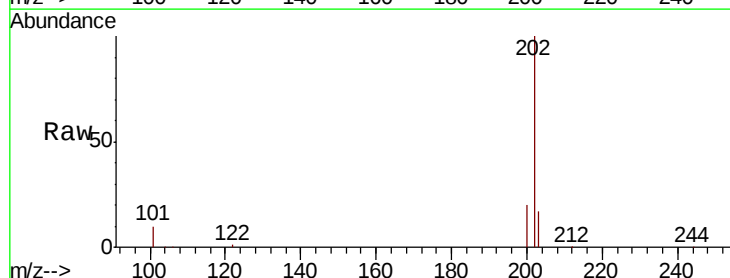
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 34361
 Ion Ratio Lower Upper
 240 100
 120 8.2 2.6 3.8#
 236 28.3 20.9 31.3



#28
 Pyrene
 Concen: 0.320 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BE099208.D
 Acq: 26 Mar 2019 9:52

Tgt Ion:202 Resp: 36534
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.8 23.8
 203 17.7 14.1 21.1





#29

Terphenyl-d14

Concen: 0.317 ng

RT: 19.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

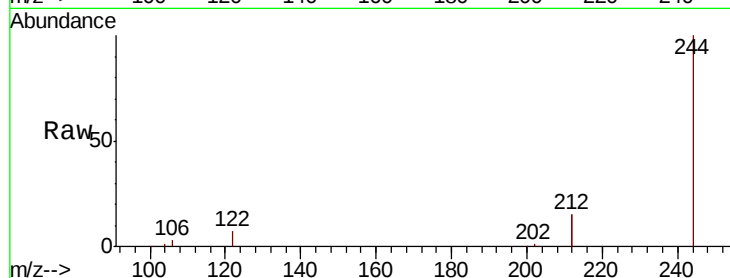
Tot Ion:244 Resp: 23677

Ion Ratio Lower Upper

244 100

212 30.5 22.7 34.1

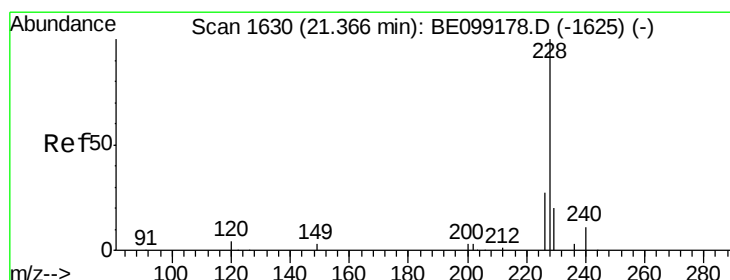
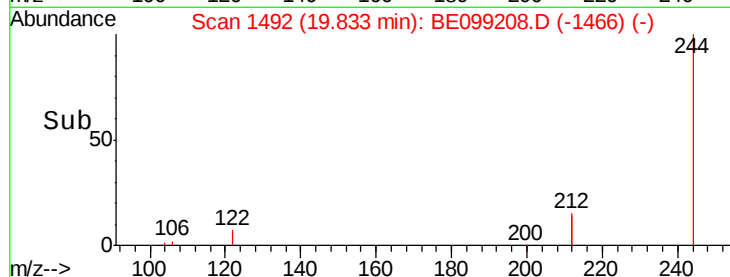
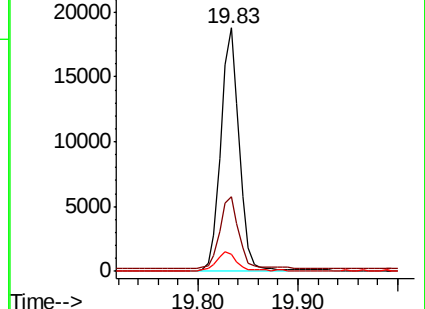
122 7.0 5.8 8.6



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: 0.326 ng

RT: 21.37 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

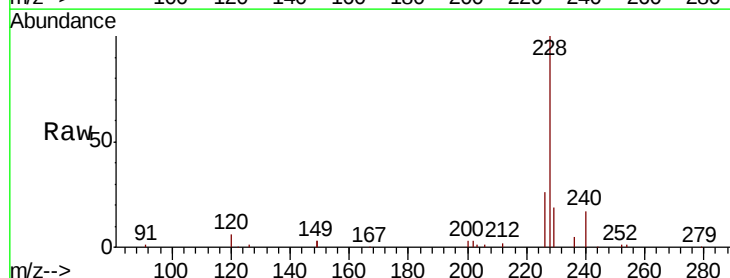
Tgt Ion:228 Resp: 36938

Ion Ratio Lower Upper

228 100

226 26.2 21.7 32.5

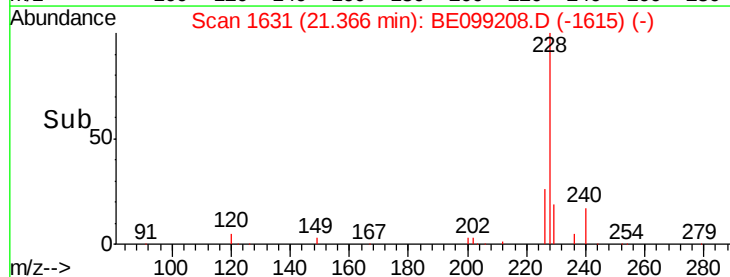
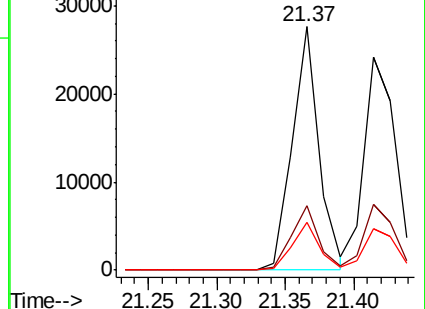
229 19.5 15.9 23.9



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: 0.315 ng

RT: 21.41 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

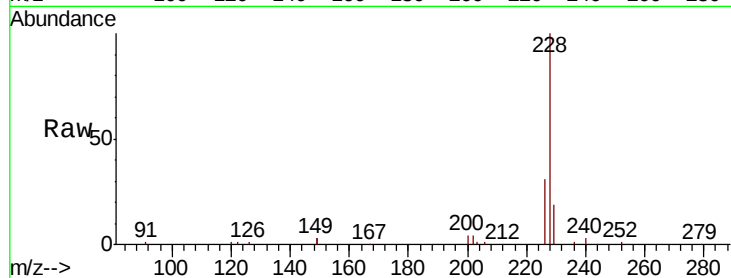
Tot Ion:228 Resp: 38172

Ion Ratio Lower Upper

228 100

226 31.0 24.8 37.2

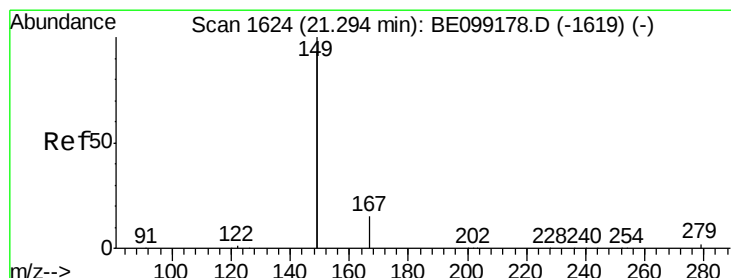
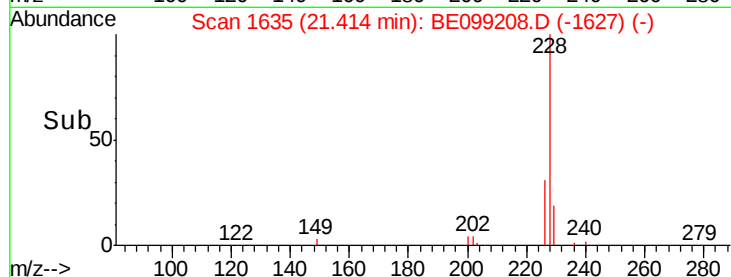
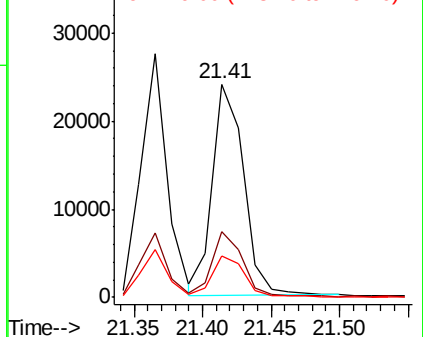
229 19.2 15.4 23.0



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: 0.308 ng

RT: 21.28 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

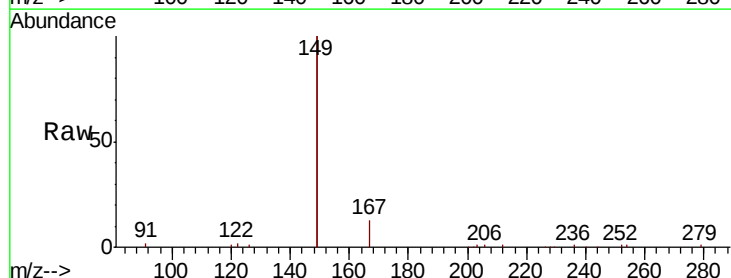
Tgt Ion:149 Resp: 41605

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

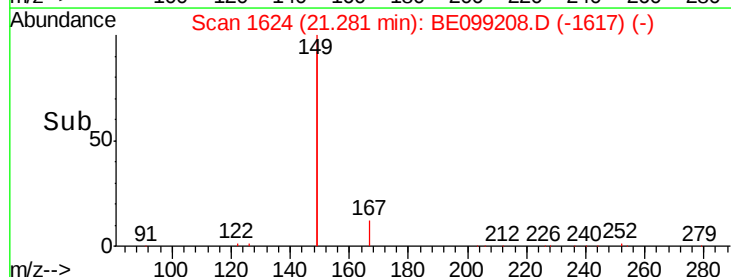
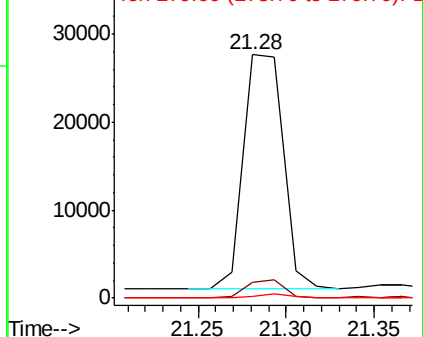
279 1.1 1.0 1.6

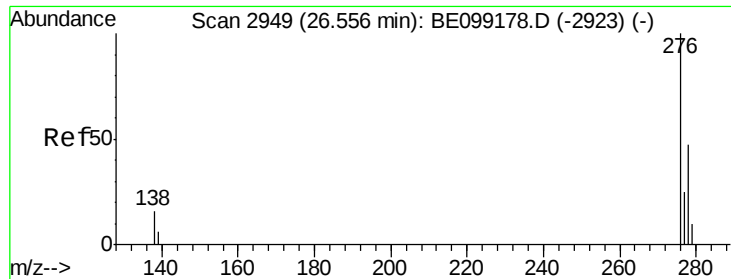


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

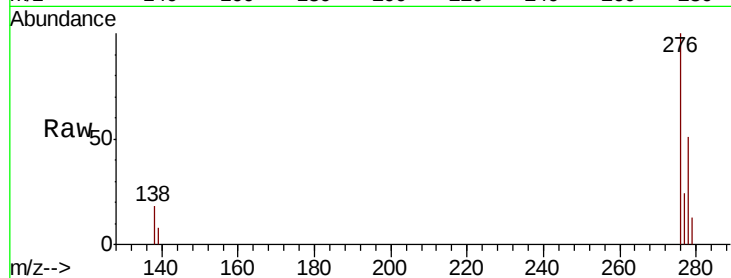




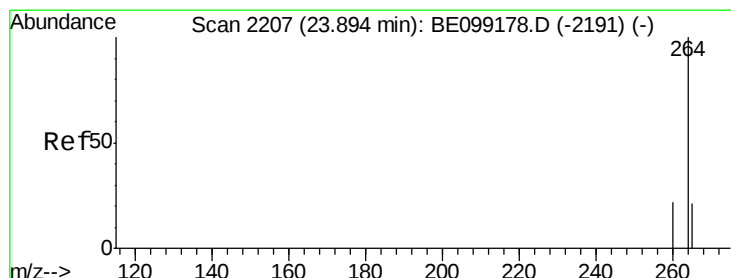
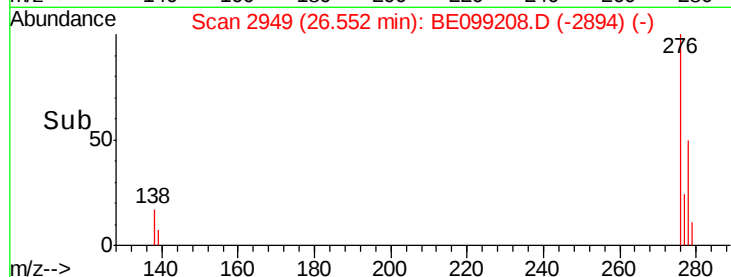
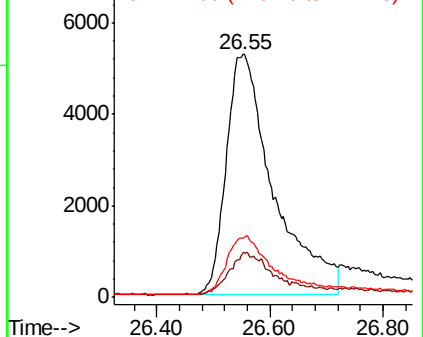
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.267 ng
RT: 26.55 min Scan# 2949
Delta R.T. -0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 30624
Ion Ratio Lower Upper
276 100
138 14.7 12.9 19.3
277 22.8 18.3 27.5

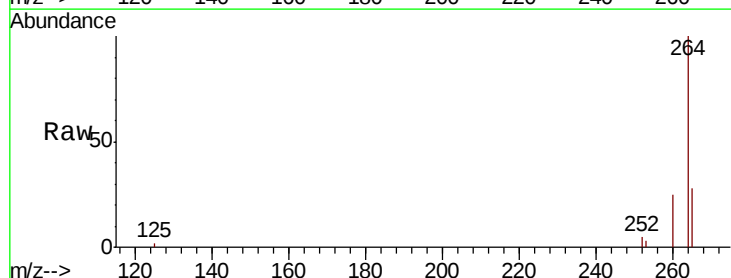


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

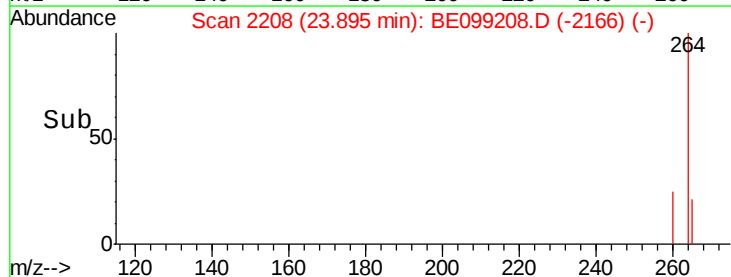
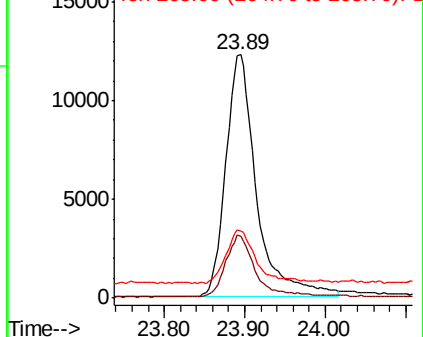


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Tgt Ion:264 Resp: 32543
Ion Ratio Lower Upper
264 100
260 25.5 18.2 27.2
265 27.6 21.8 32.8



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

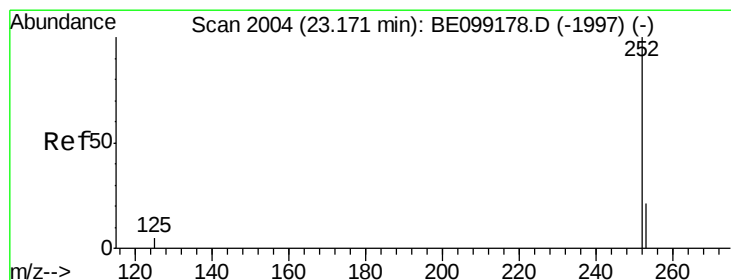
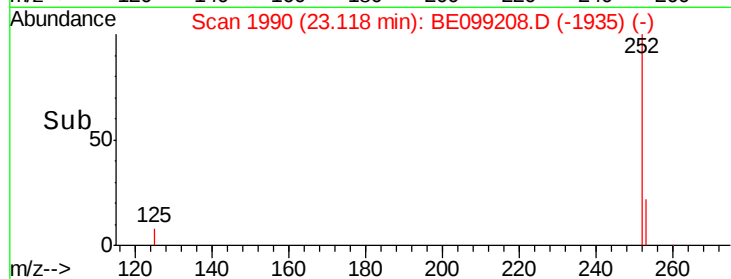
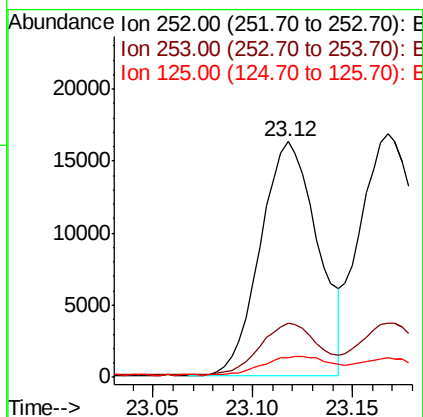
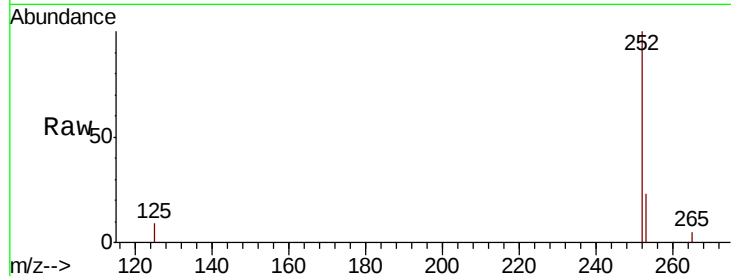




#35
Benzo(b)fluoranthene
Concen: 0.302 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

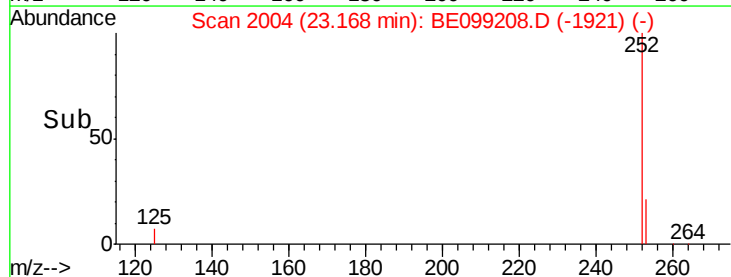
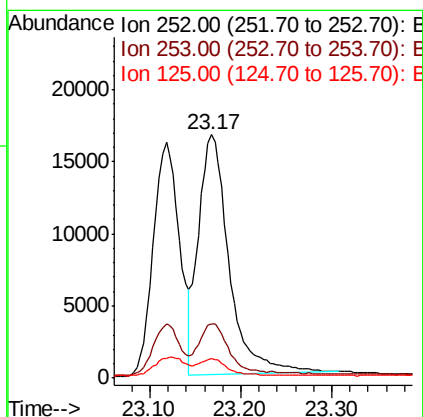
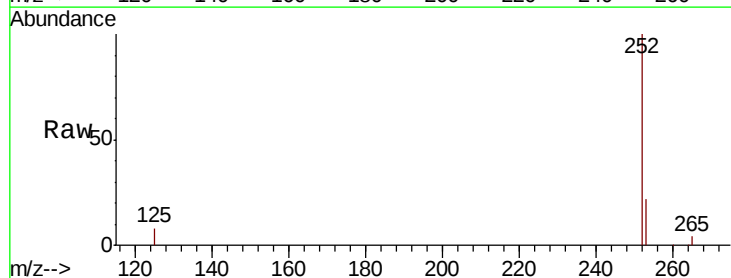
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 32382
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 8.5 6.1 9.1



#36
Benzo(k)fluoranthene
Concen: 0.340 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099208.D
Acq: 26 Mar 2019 9:52

Tgt Ion:252 Resp: 38471
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 8.0 5.9 8.9





#37

Benzo(a)pyrene

Concen: 0.333 ng

RT: 23.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :

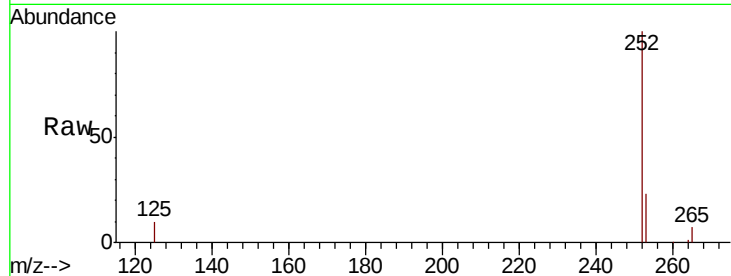
Tot Ion:252 Resp: 33269

Ion Ratio Lower Upper

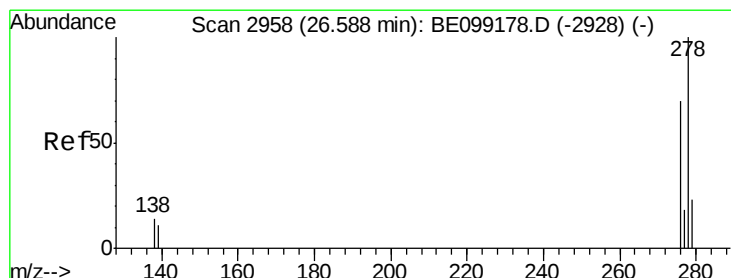
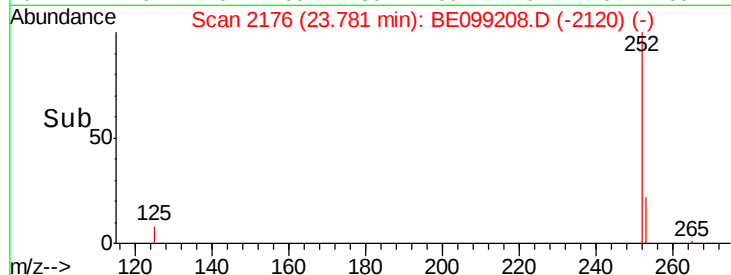
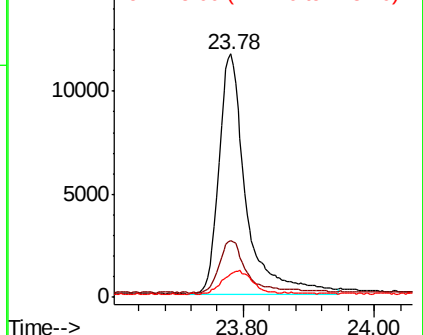
252 100

253 23.4 18.1 27.1

125 9.5 6.8 10.2



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: 0.252 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

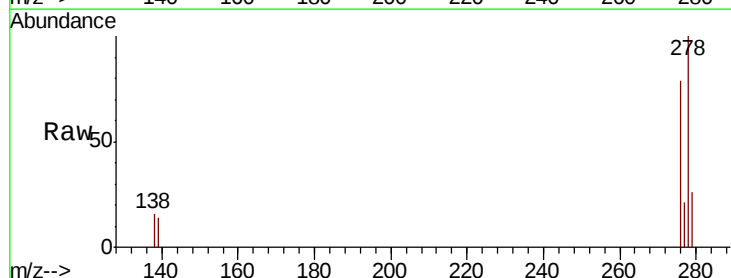
Tgt Ion:278 Resp: 22411

Ion Ratio Lower Upper

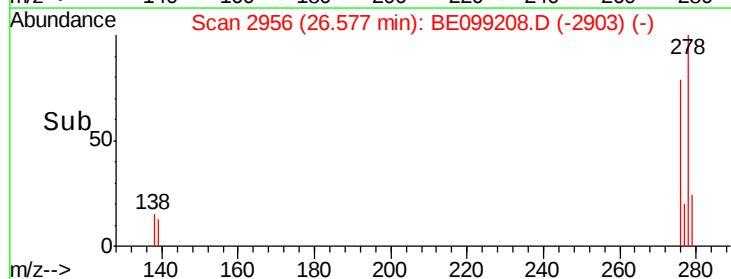
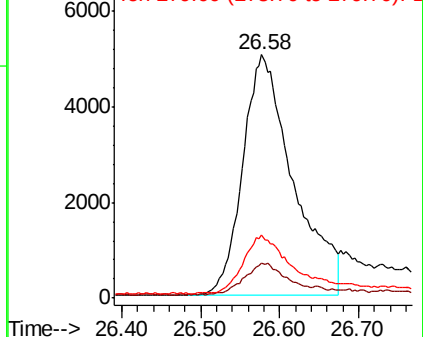
278 100

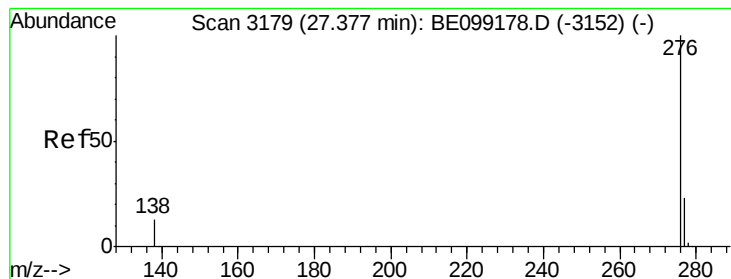
139 14.5 9.5 14.3#

279 25.7 19.1 28.7



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: 0.283 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.01 min

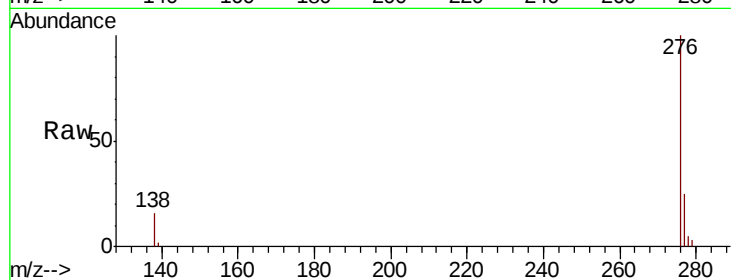
Lab File: BE099208.D

Acq: 26 Mar 2019 9:52

Instrument :

BNA_E

ClientSampleId :



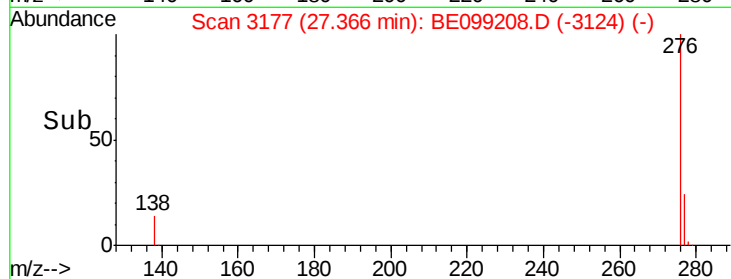
Tot Ion: 276 Resp: 25202

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 15.6 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

