

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032219\
 Data File : BE099079.D
 Acq On : 22 Mar 2019 13:20
 Operator : JU/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 22 15:05:14 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	3051	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12149	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	8548	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	25332	0.40	ng	0.00
27) Chrysene-d12	21.39	240	32982	0.40	ng	0.00
34) Perylene-d12	23.91	264	31511	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	14405	1.58	ng	0.00
5) Phenol-d6	7.00	99	20878	1.62	ng	0.00
8) Nitrobenzene-d5	8.99	82	8848	0.69	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	35432	1.58	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	4328	1.00	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	53914	1.52	ng	0.00
25) Fluoranthene-d10	19.24	212	552216	1.37	ng	0.00
29) Terphenyl-d14	19.84	244	111312	1.39	ng	0.00

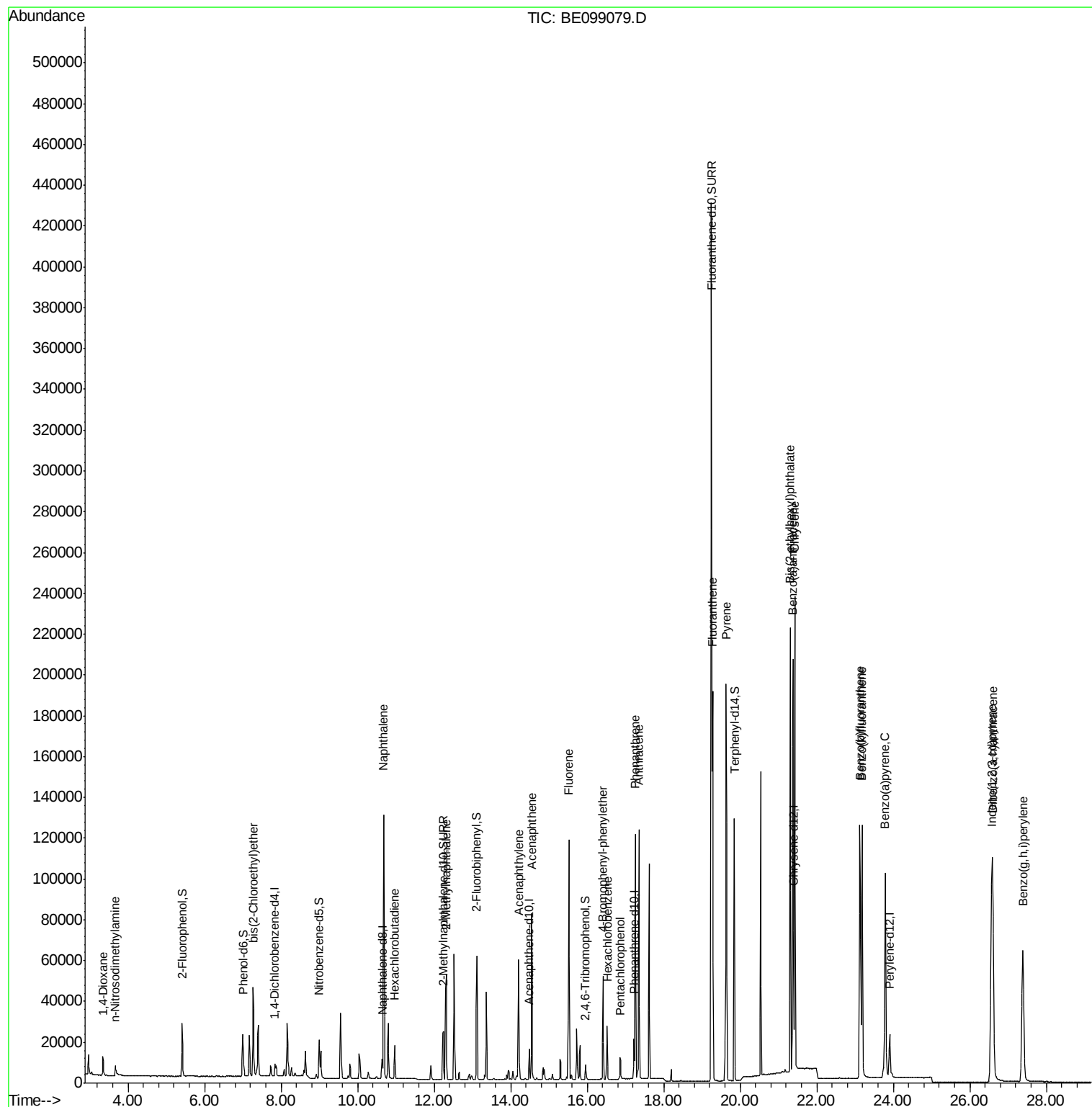
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	7264	1.207	ng	91
3) n-Nitrosodimethylamine	3.66	42	3605	0.470	ng	# 100
6) bis(2-Chloroethyl)ether	7.26	93	17598	1.770	ng	97
9) Naphthalene	10.68	128	229846	1.652	ng	99
10) Hexachlorobutadiene	10.97	225	11167	1.213	ng	100
12) 2-Methylnaphthalene	12.31	142	40132	1.778	ng	100
16) Acenaphthylene	14.21	152	73756	1.678	ng	100
17) Acenaphthene	14.54	154	43530	1.669	ng	97
18) Fluorene	15.51	166	64312	1.710	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	22695	1.653	ng	95
21) Hexachlorobenzene	16.52	284	21132	1.295	ng	97
22) Pentachlorophenol	16.87	266	6228	1.878	ng	96
23) Phenanthrene	17.26	178	123167	1.710	ng	99
24) Anthracene	17.35	178	118622	1.927	ng	100
26) Fluoranthene	19.28	202	175280	1.725	ng	99
28) Pyrene	19.64	202	180442	1.788	ng	100
30) Benzo(a)anthracene	21.38	228	187570	1.822	ng	97
31) Chrysene	21.43	228	190531	1.730	ng	100
32) Bis(2-ethylhexyl)phthalate	21.30	149	230011	1.050	ng	99
33) Indeno(1,2,3-cd)pyrene	26.57	276	202074	1.738	ng	100
35) Benzo(b)fluoranthene	23.13	252	181760	1.754	ng	99
36) Benzo(k)fluoranthene	23.18	252	177770	1.639	ng	97
37) Benzo(a)pyrene	23.79	252	167884	1.690	ng	95
38) Dibenzo(a,h)anthracene	26.59	278	166522	1.772	ng	99
39) Benzo(g,h,i)perylene	27.39	276	167348	1.703	ng	98

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

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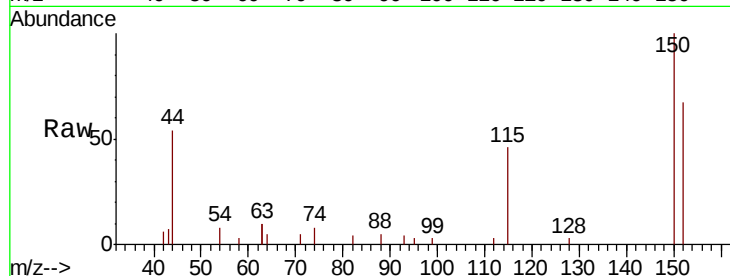


#1

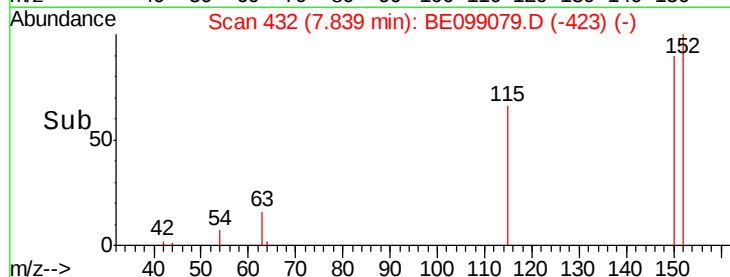
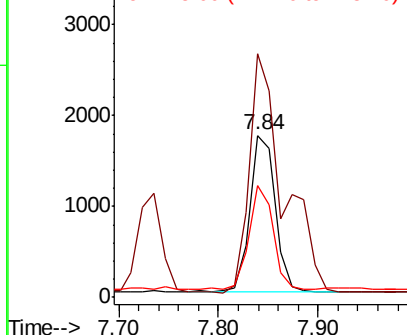
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099079.D
Acq: 22 Mar 2019 13:20

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3051
Ion Ratio Lower Upper
152 100
150 150.0 119.7 179.5
115 69.0 56.5 84.7



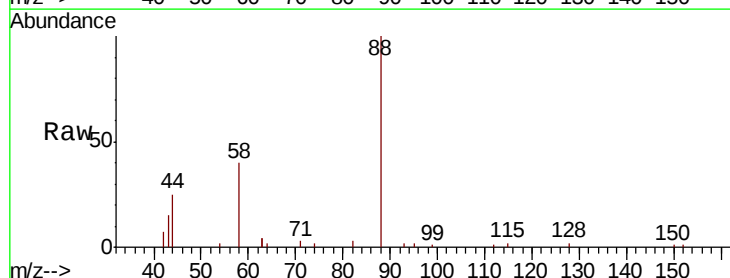
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



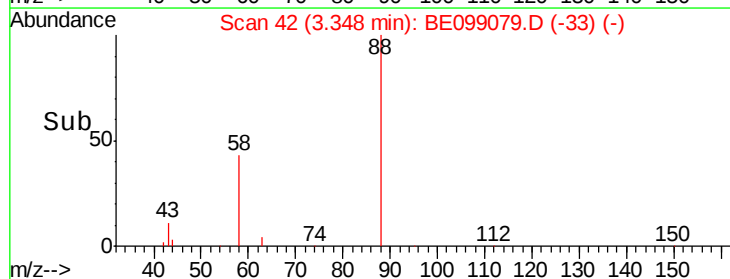
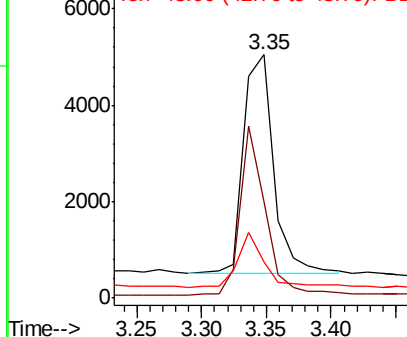
#2

1,4-Dioxane
Concen: 1.207 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099079.D
Acq: 22 Mar 2019 13:20

Tgt Ion: 88 Resp: 7264
Ion Ratio Lower Upper
88 100
58 64.5 45.5 68.3
43 21.6 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: 0.470 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.02 min

Lab File: BE099079.D

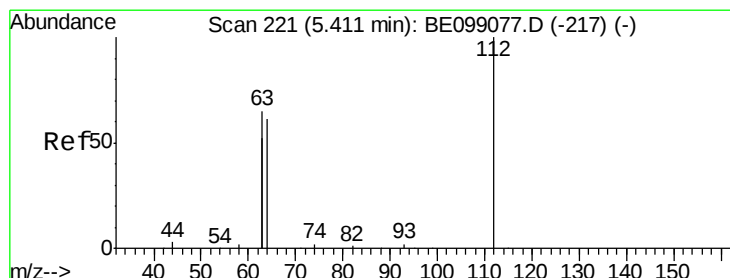
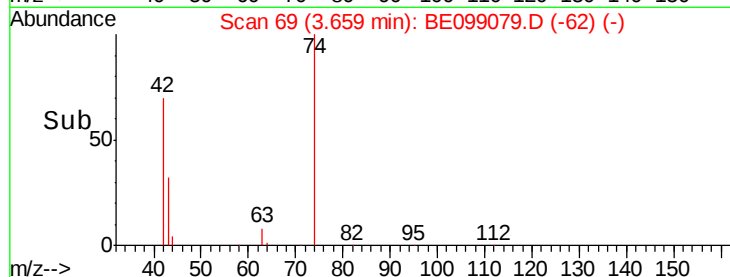
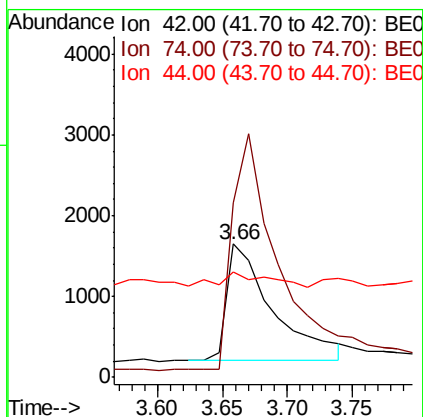
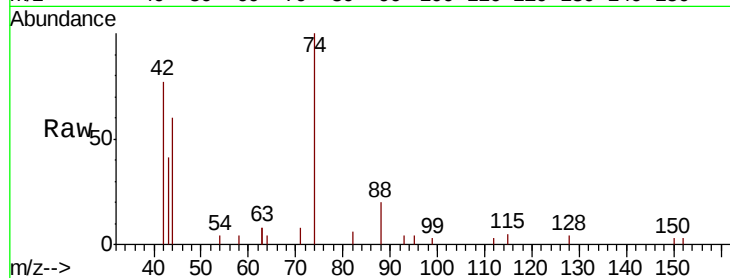
Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	3605
Ion	Ratio	Lower	Upper
42	100		
74	204.2	0.0	0.0#
44	12.2	0.0	0.0#



#4

2-Fluorophenol

Concen: 1.579 ng

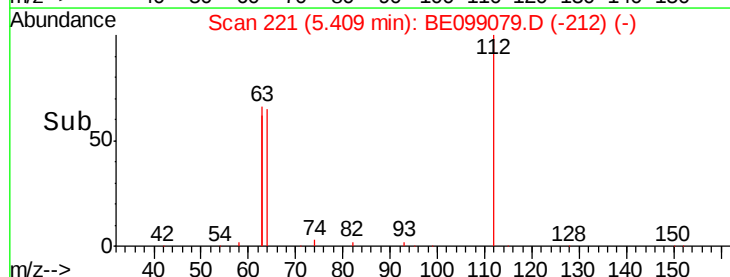
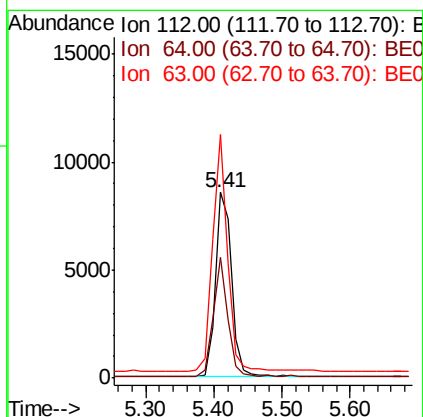
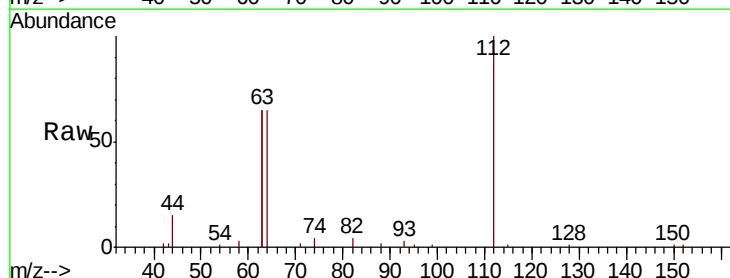
RT: 5.41 min Scan# 221

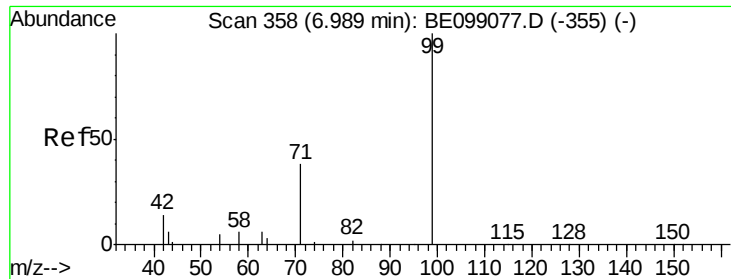
Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Tgt Ion:	112	Resp:	14405
Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.8	67.2
63	118.6	88.2	132.2





#5

Phenol-d6

Concen: 1.620 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampled :

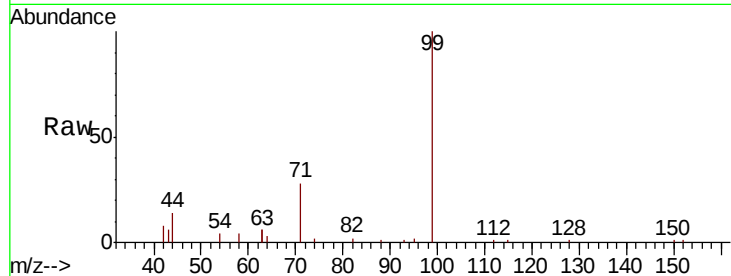
Tot Ion: 99 Resp: 20878

Ion Ratio Lower Upper

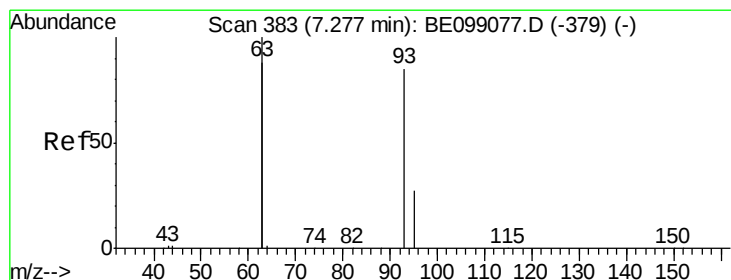
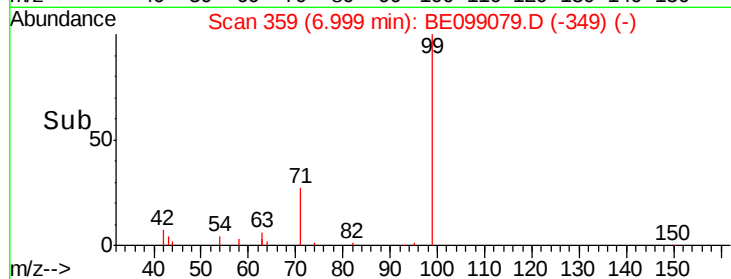
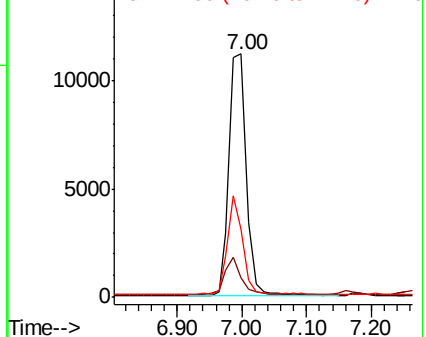
99 100

42 14.0 11.8 17.8

71 35.1 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: 1.770 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

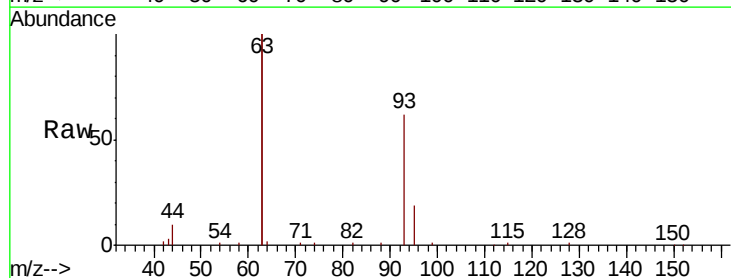
Tgt Ion: 93 Resp: 17598

Ion Ratio Lower Upper

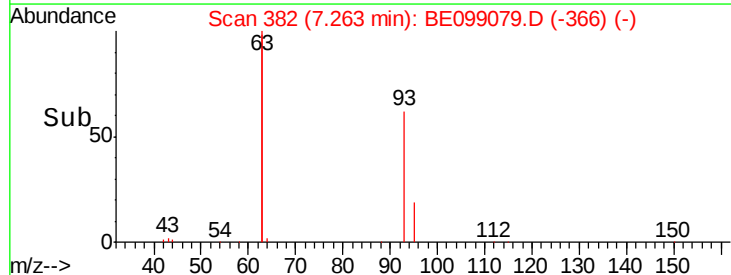
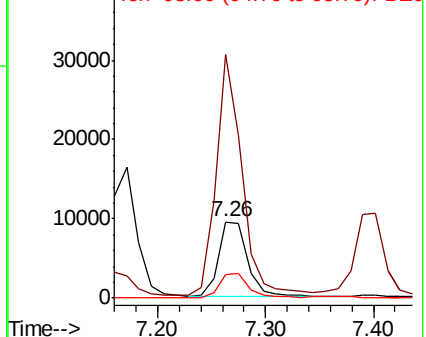
93 100

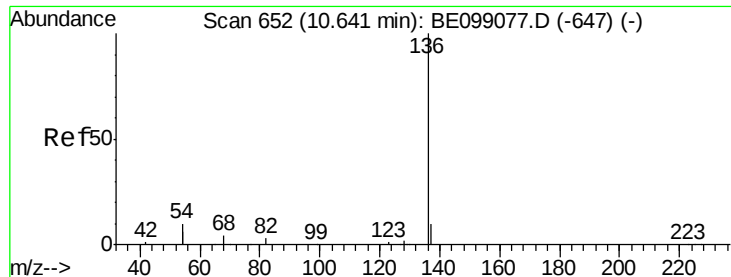
63 282.9 230.3 345.5

95 32.1 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: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 12149

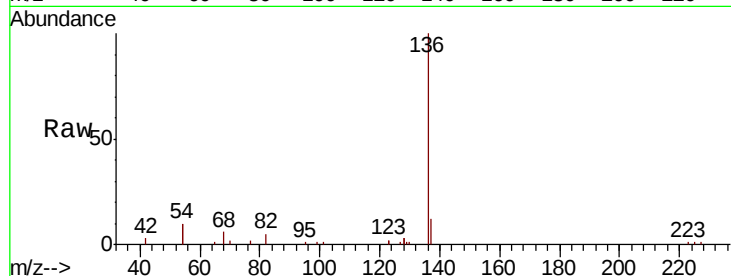
Ion Ratio Lower Upper

136 100

137 12.3 8.8 13.2

54 20.1 15.7 23.5

68 5.7 4.3 6.5

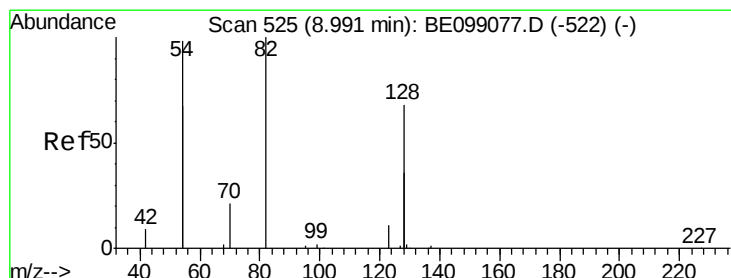
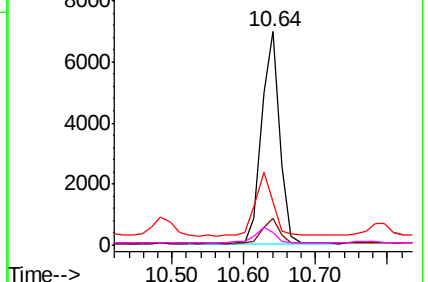
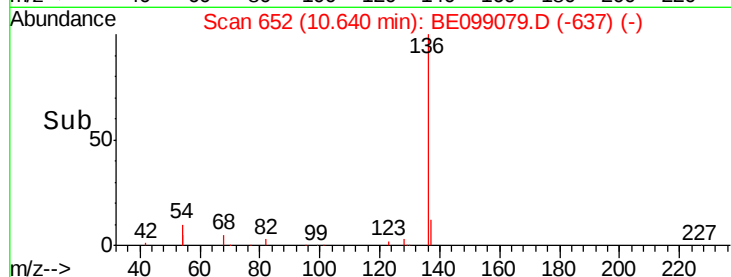


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.695 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

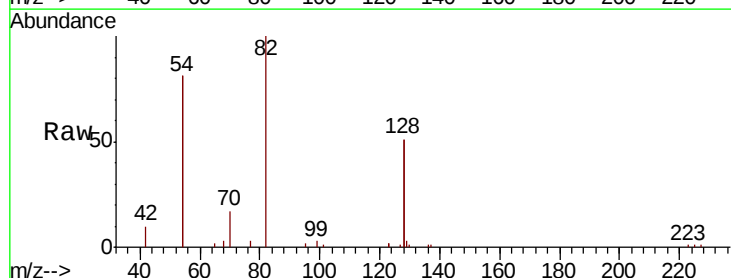
Tgt Ion: 82 Resp: 8848

Ion Ratio Lower Upper

82 100

128 101.4 98.8 148.2

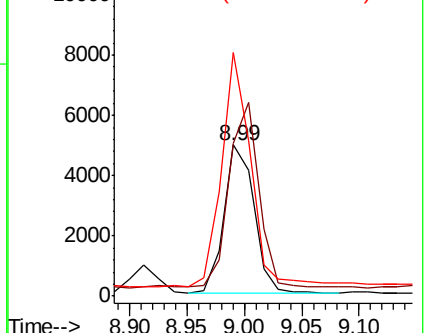
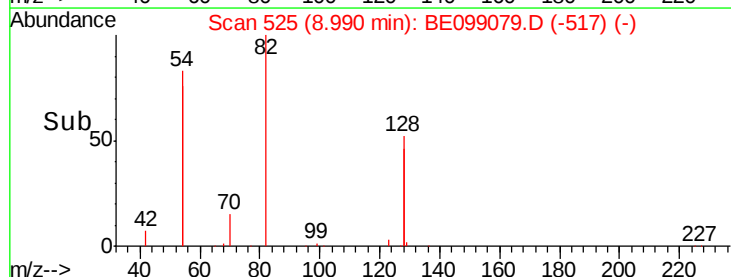
54 161.2 143.7 215.5

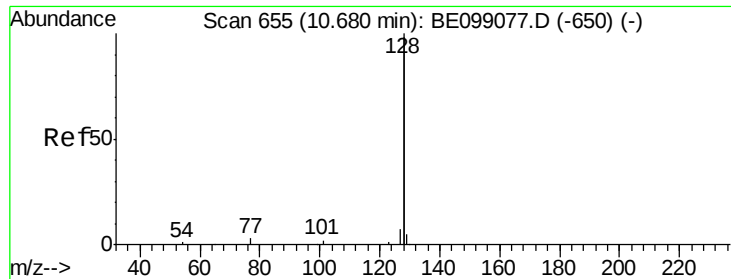


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.652 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

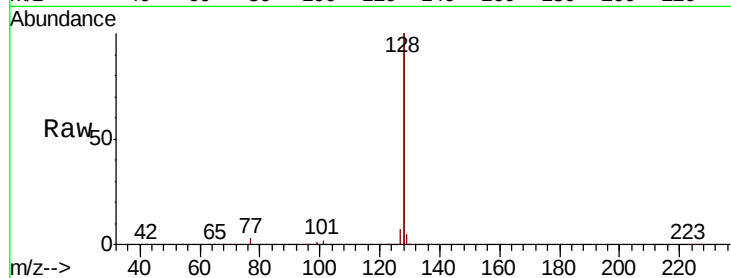
Tot Ion:128 Resp: 229846

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

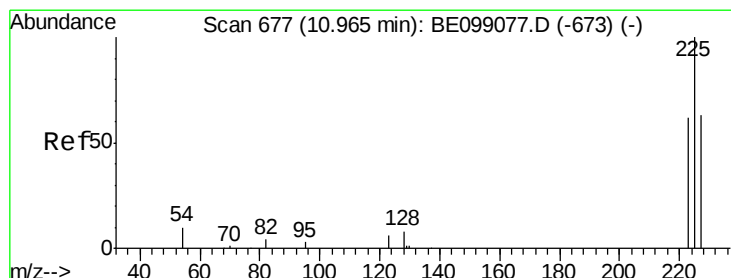
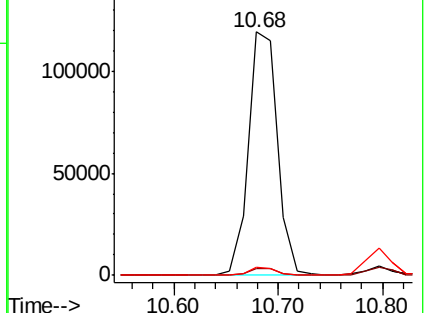
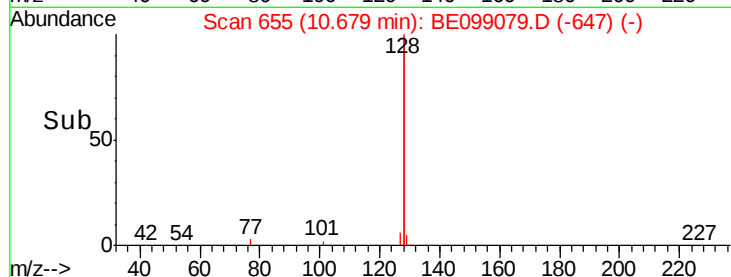
127 3.3 2.8 4.2



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: 1.213 ng

RT: 10.97 min Scan# 677

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

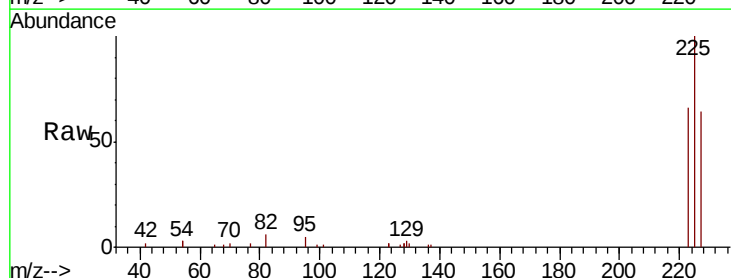
Tgt Ion:225 Resp: 11167

Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

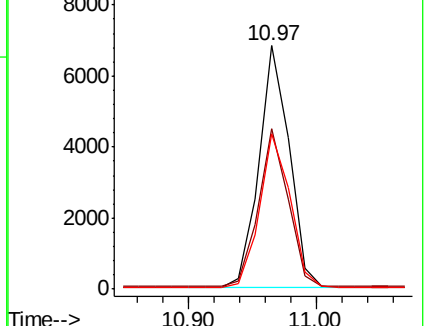
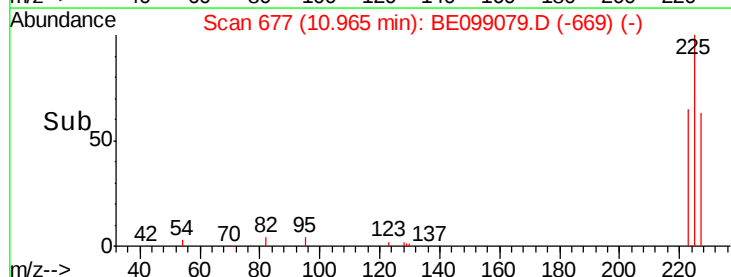
227 63.8 51.4 77.2

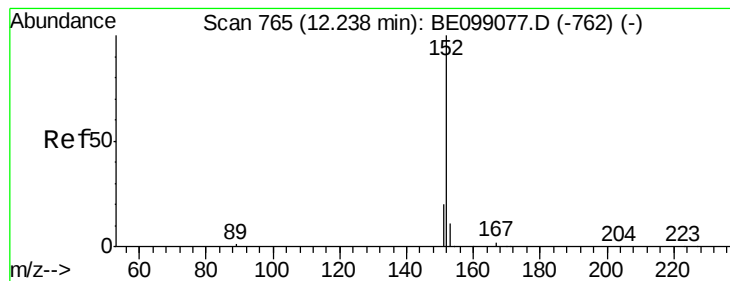


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.578 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

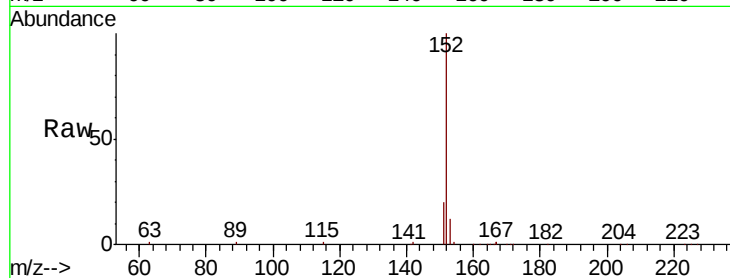
ClientSampleId :

Tot Ion:152 Resp: 35432

Ion Ratio Lower Upper

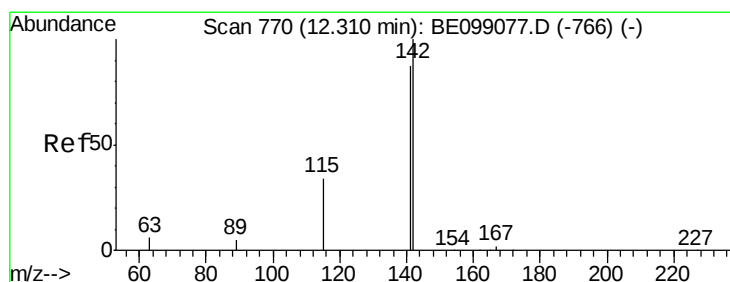
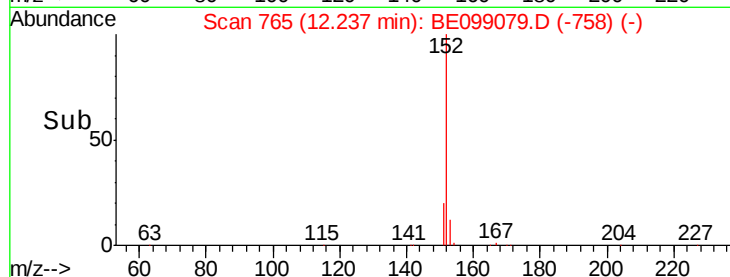
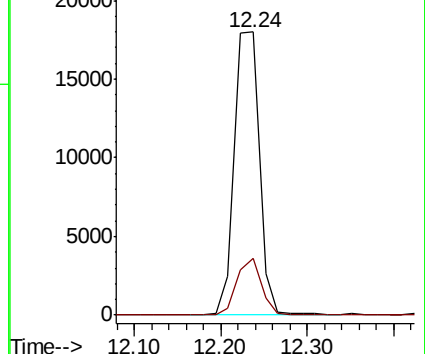
152 100

151 19.3 15.7 23.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.778 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

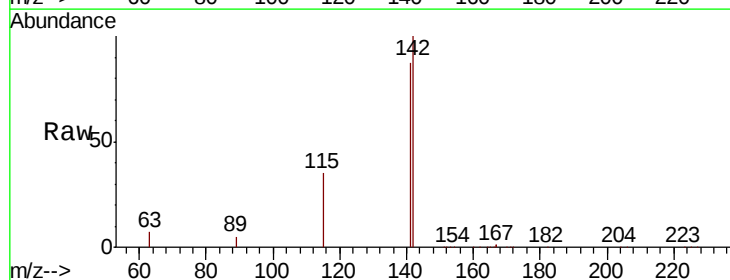
Tgt Ion:142 Resp: 40132

Ion Ratio Lower Upper

142 100

141 87.2 69.7 104.5

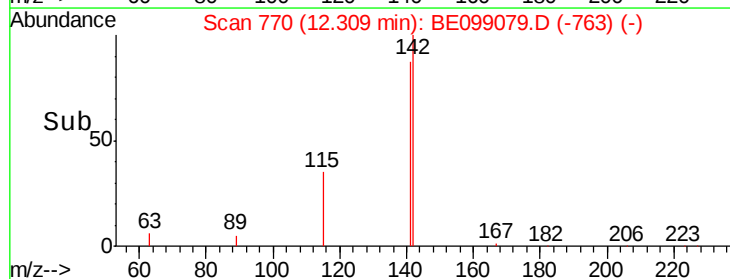
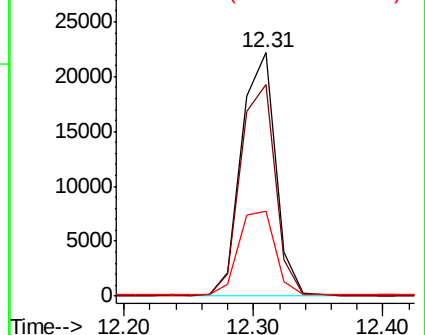
115 34.9 28.2 42.4



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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

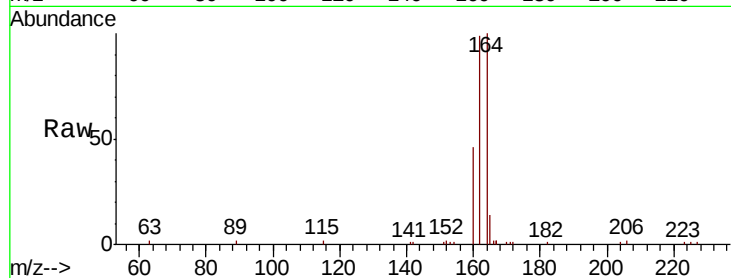
Tot Ion:164 Resp: 8548

Ion Ratio Lower Upper

164 100

162 99.0 76.8 115.2

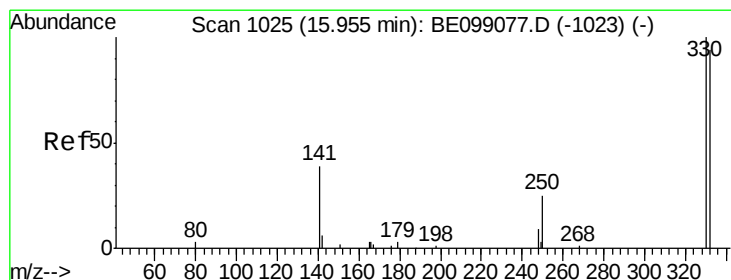
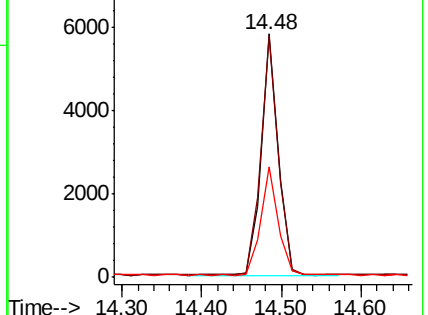
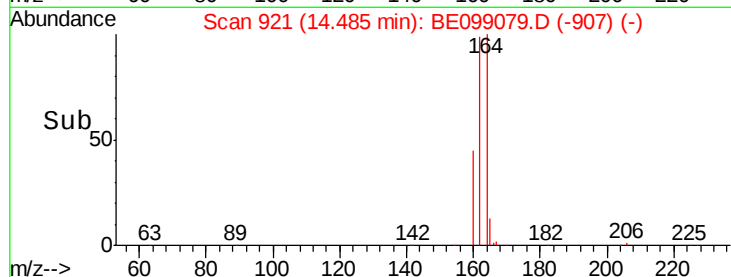
160 45.5 36.1 54.1



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: 1.003 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

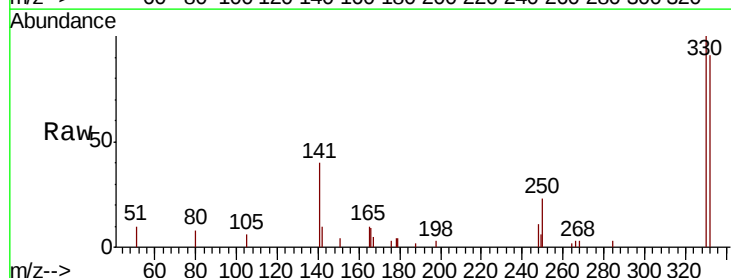
Tgt Ion:330 Resp: 4328

Ion Ratio Lower Upper

330 100

332 99.0 83.0 124.4

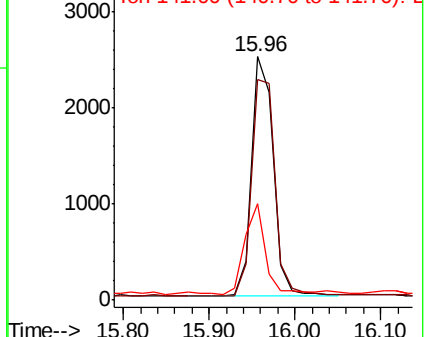
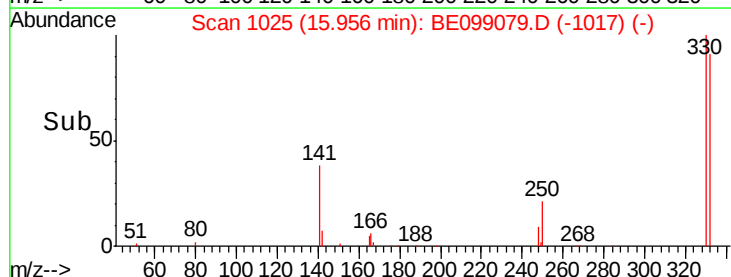
141 35.9 30.7 46.1

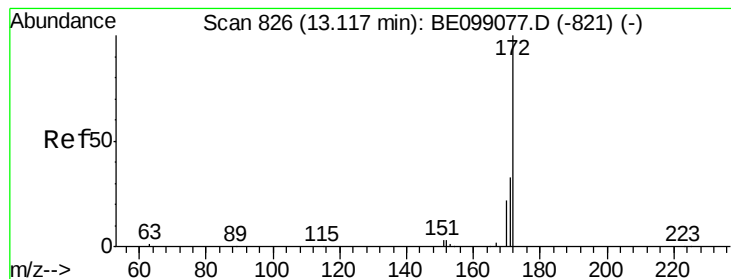


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

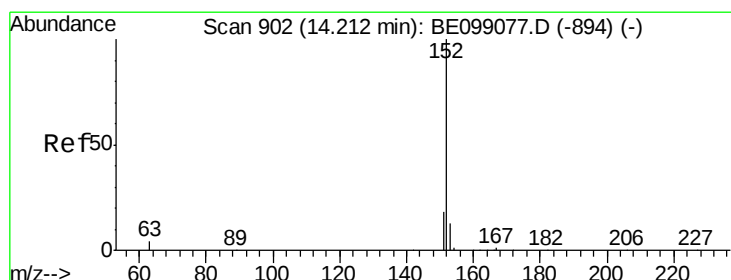
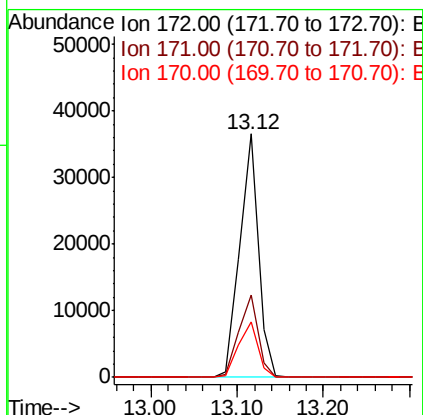
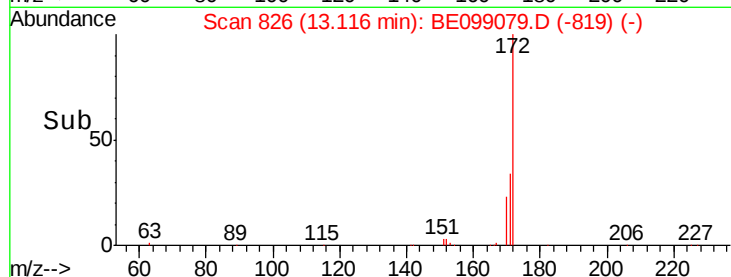
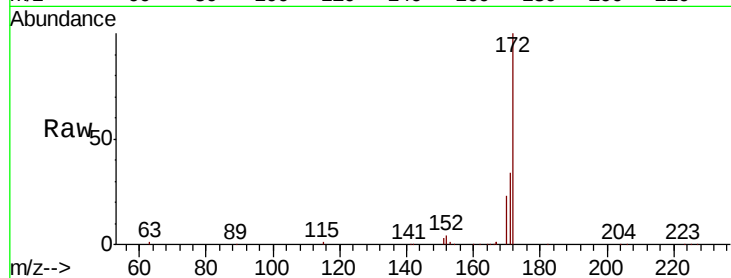




#15
2-Fluorobiphenyl
Concen: 1.523 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099079.D
Acq: 22 Mar 2019 13:20

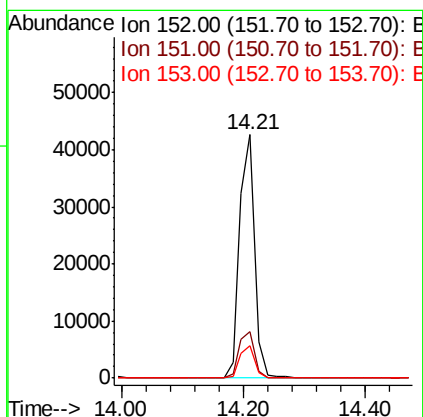
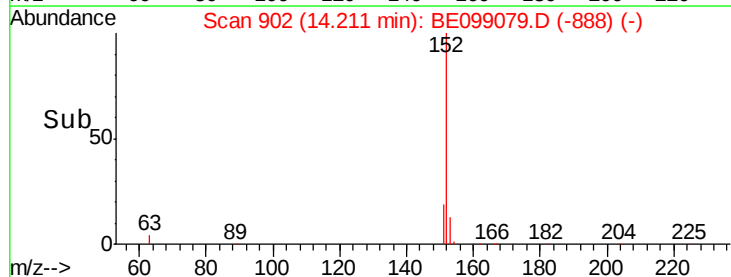
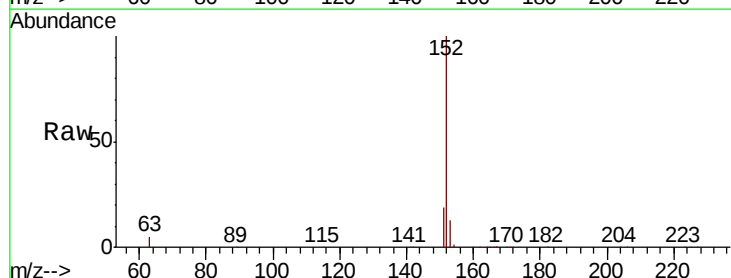
Instrument :
BNA_E
ClientSampled :

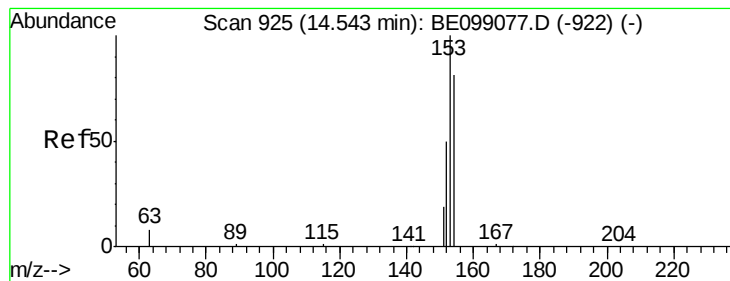
Tot Ion:172 Resp: 53914
Ion Ratio Lower Upper
172 100
171 33.9 26.7 40.1
170 23.0 18.1 27.1



#16
Acenaphthylene
Concen: 1.678 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099079.D
Acq: 22 Mar 2019 13:20

Tgt Ion:152 Resp: 73756
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.0 10.2 15.4





#17

Acenaphthene

Concen: 1.669 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

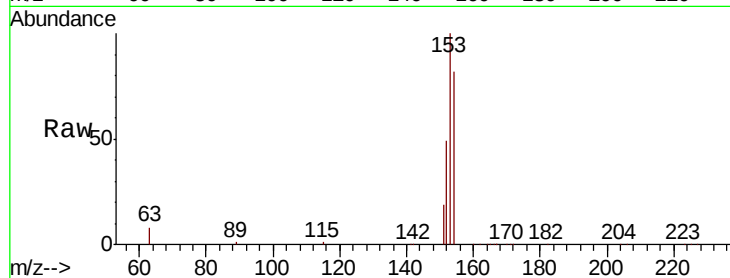
Tot Ion:154 Resp: 43530

Ion Ratio Lower Upper

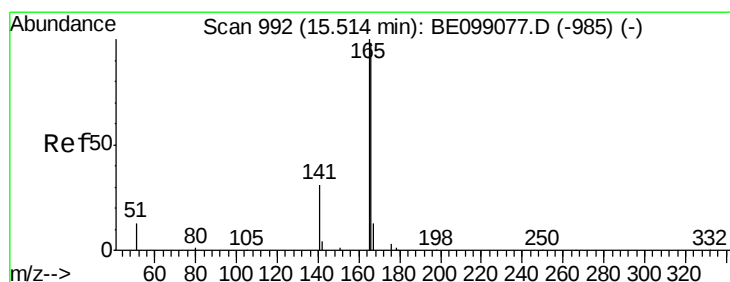
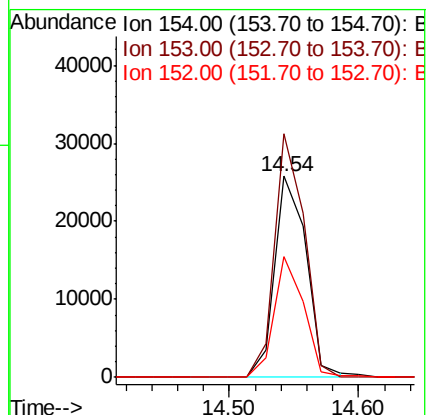
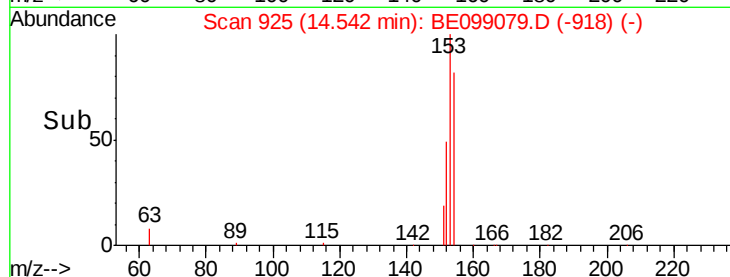
154 100

153 115.2 94.9 142.3

152 55.8 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: 1.710 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

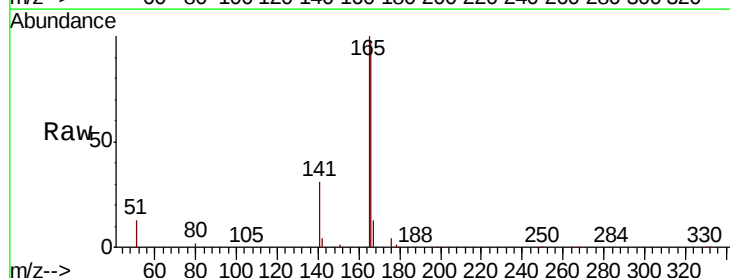
Tgt Ion:166 Resp: 64312

Ion Ratio Lower Upper

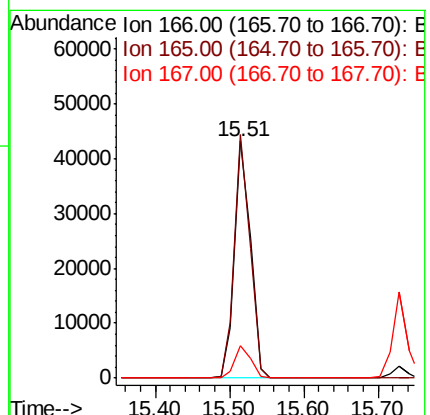
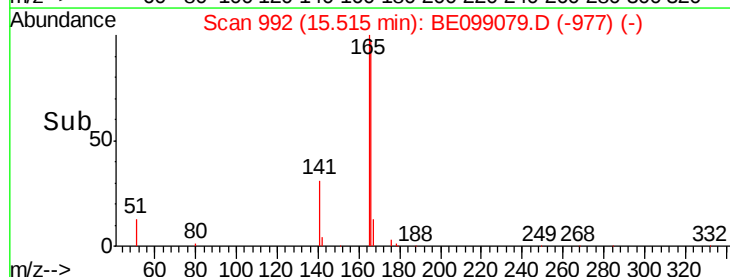
166 100

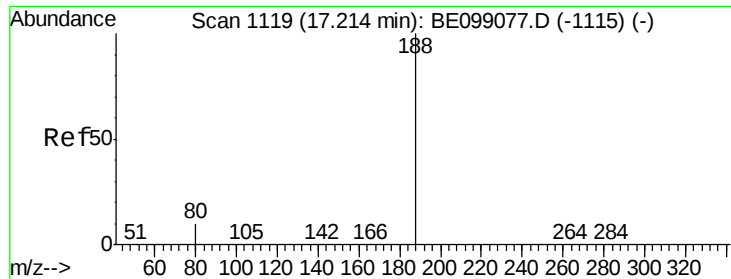
165 100.1 79.4 119.2

167 13.5 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: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

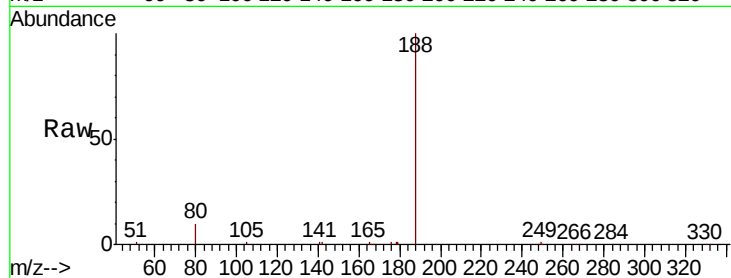
Tot Ion:188 Resp: 25332

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

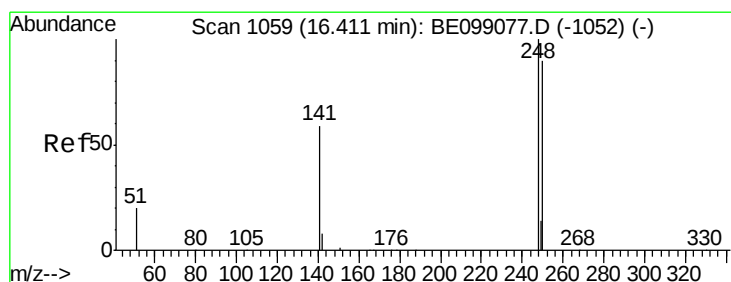
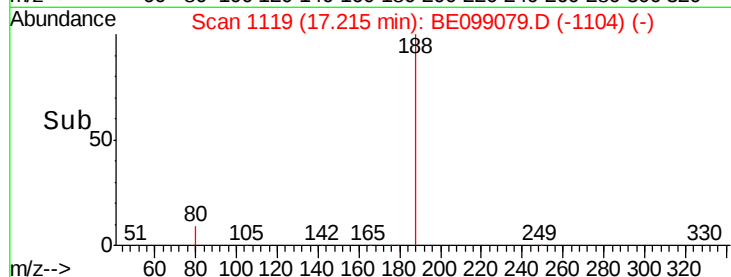
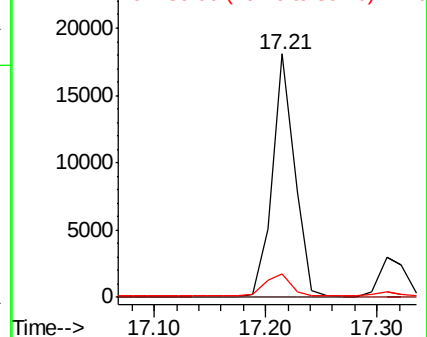
80 9.8 8.1 12.1



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: 1.653 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

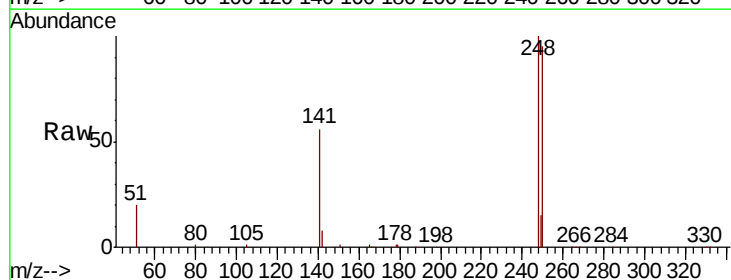
Tgt Ion:248 Resp: 22695

Ion Ratio Lower Upper

248 100

250 94.7 72.0 108.0

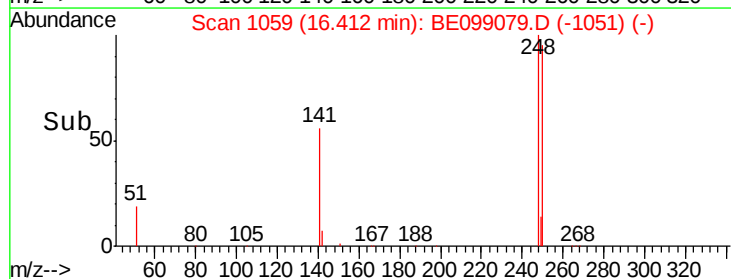
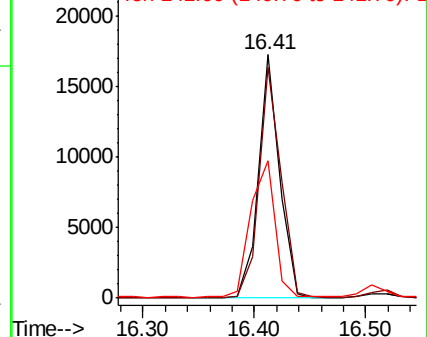
141 56.2 47.8 71.8

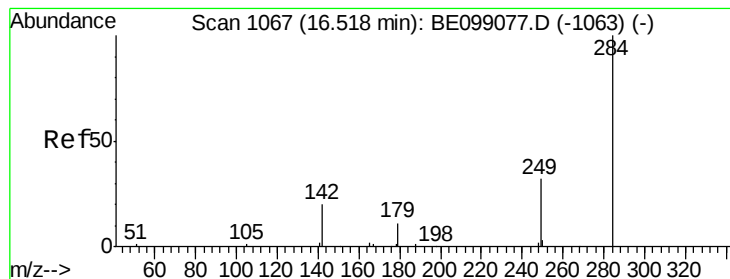


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.295 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

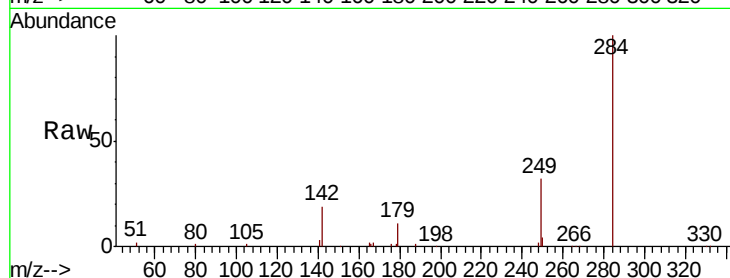
Tot Ion:284 Resp: 21132

Ion Ratio Lower Upper

284 100

142 33.4 28.5 42.7

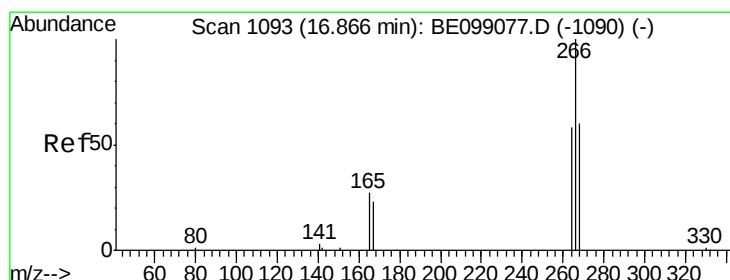
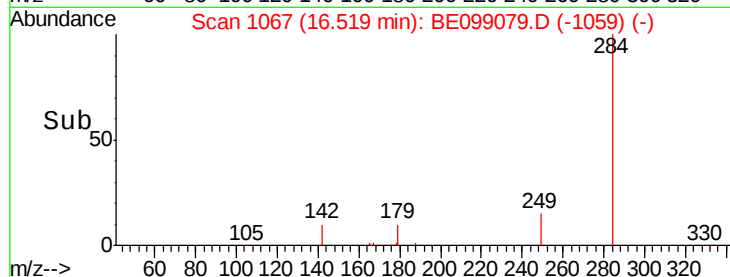
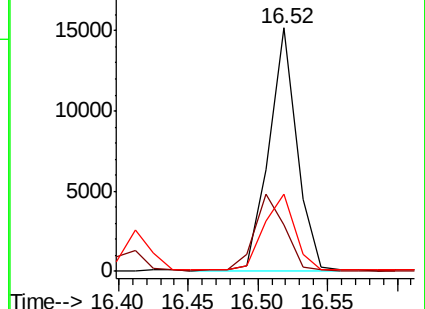
249 34.4 28.2 42.4



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: 1.878 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

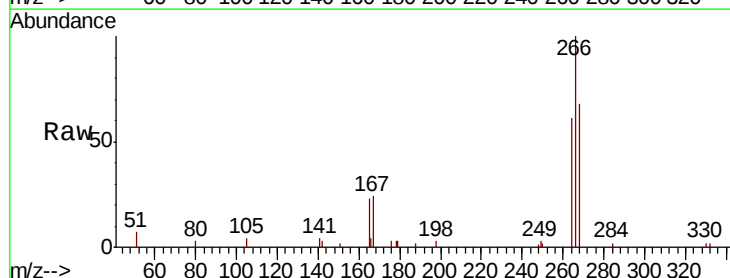
Tgt Ion:266 Resp: 6228

Ion Ratio Lower Upper

266 100

264 60.8 47.4 71.0

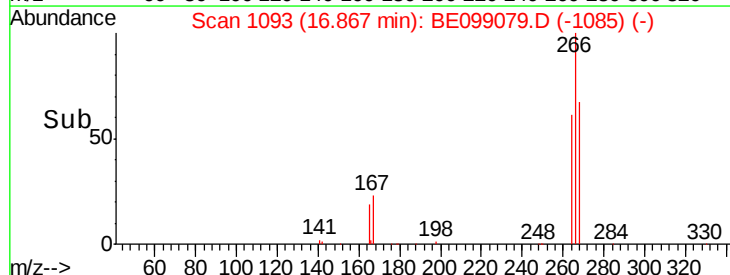
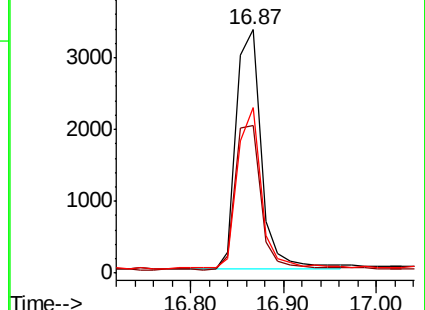
268 67.9 50.7 76.1

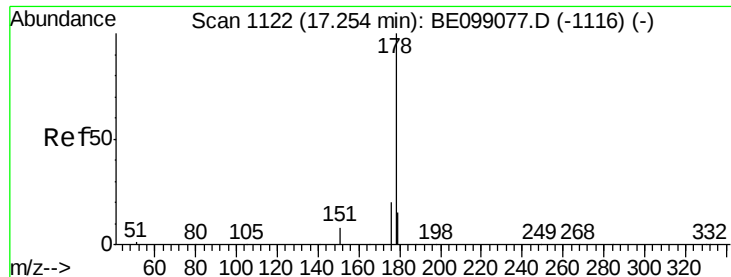


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.710 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampled :

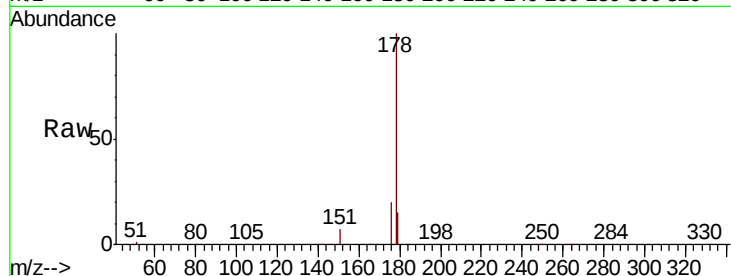
Tot Ion:178 Resp: 123167

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 15.3 12.1 18.1

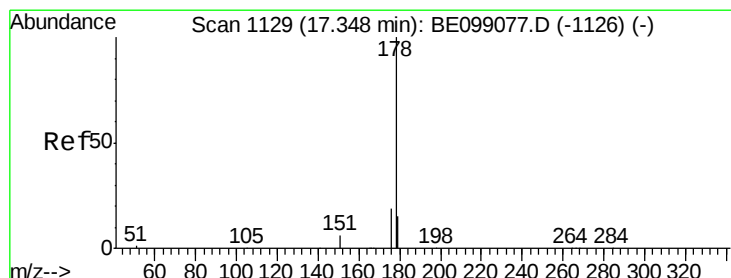
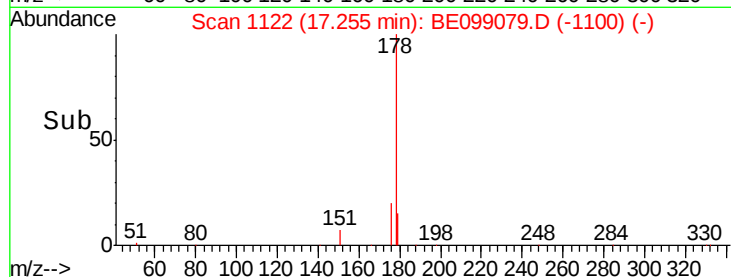
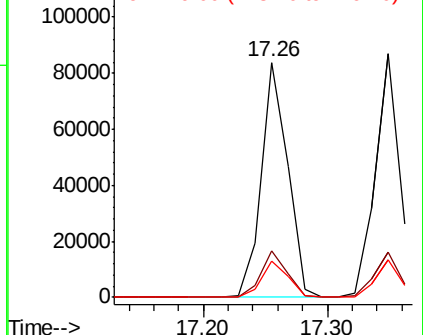


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 1.927 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

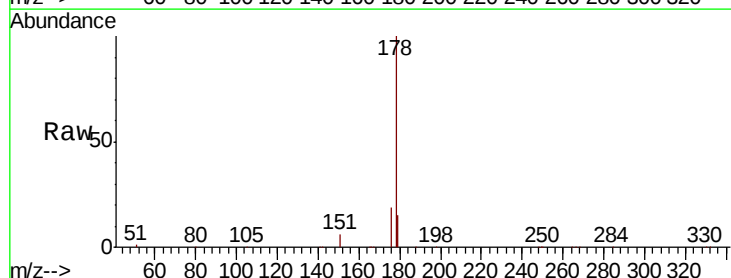
Tgt Ion:178 Resp: 118622

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 15.2 12.4 18.6

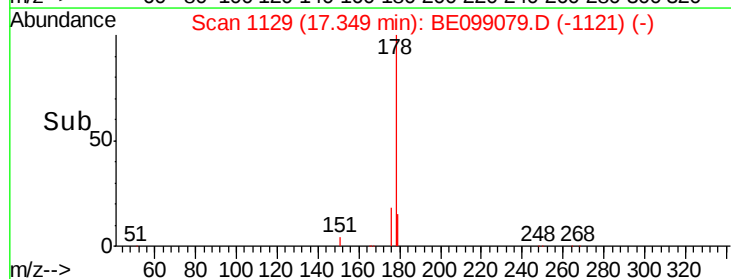
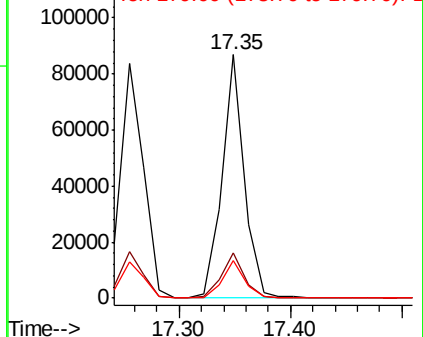


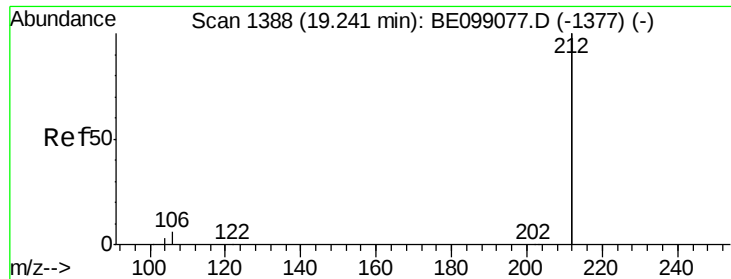
Abundance

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: 1.366 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

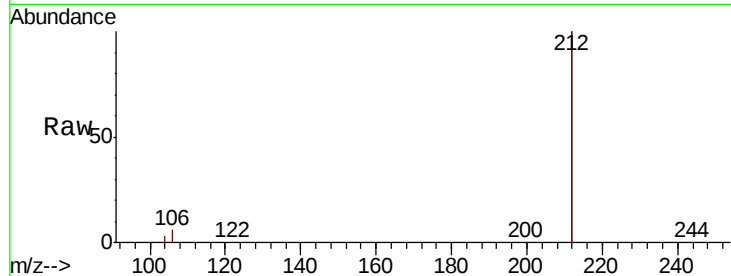
Tot Ion:212 Resp: 552216

Ion Ratio Lower Upper

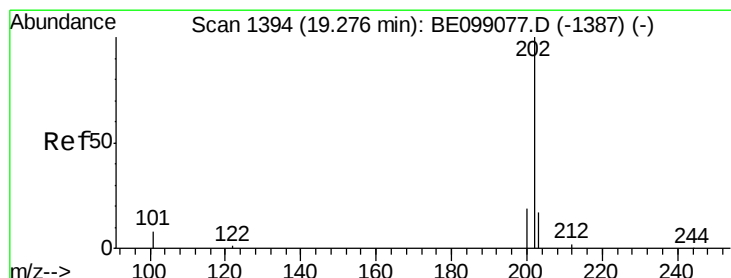
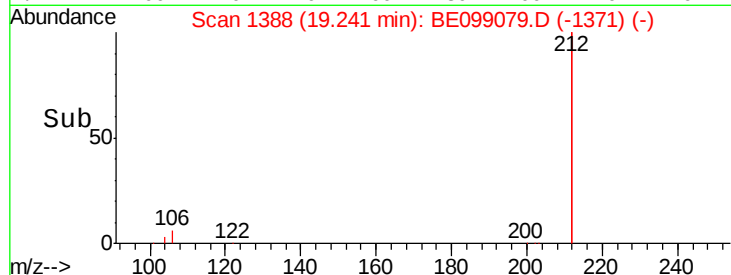
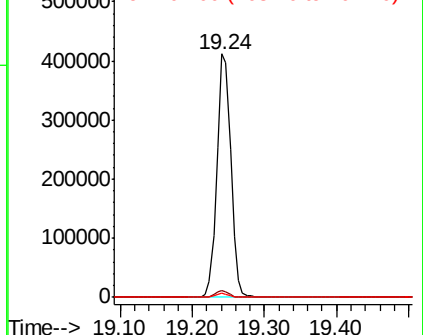
212 100

106 2.7 2.2 3.4

104 1.6 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: 1.725 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

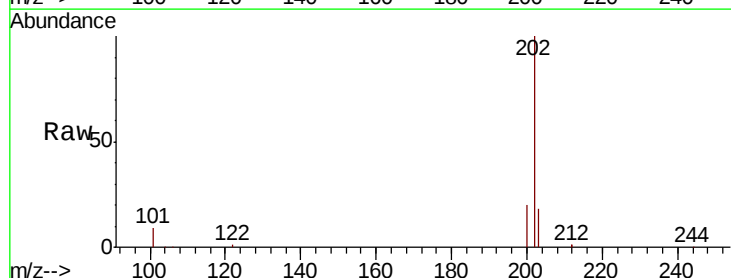
Tgt Ion:202 Resp: 175280

Ion Ratio Lower Upper

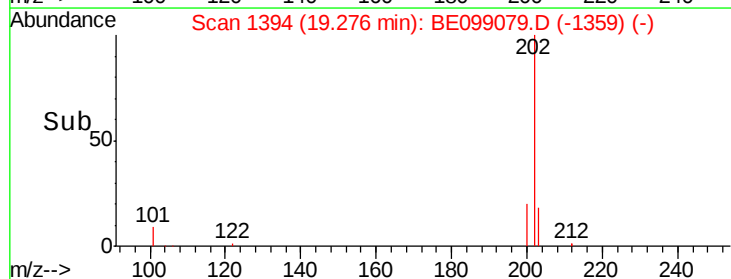
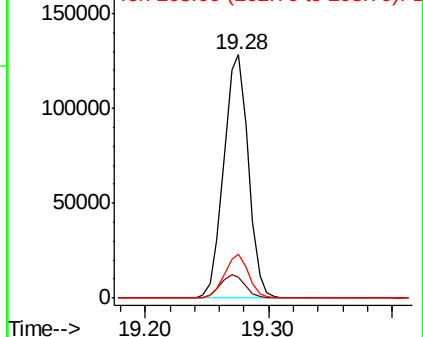
202 100

101 9.7 7.5 11.3

203 17.4 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

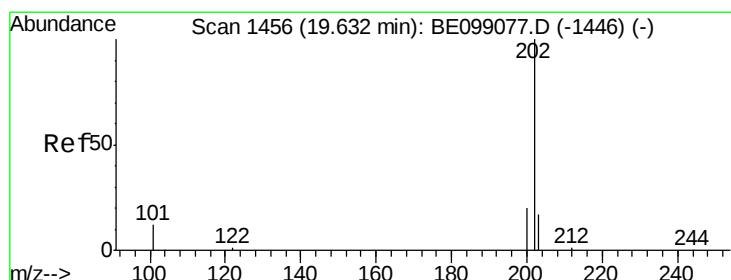
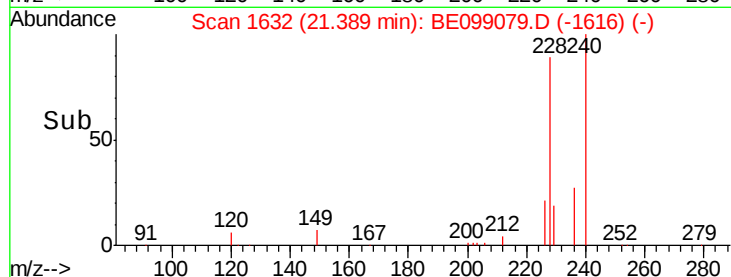
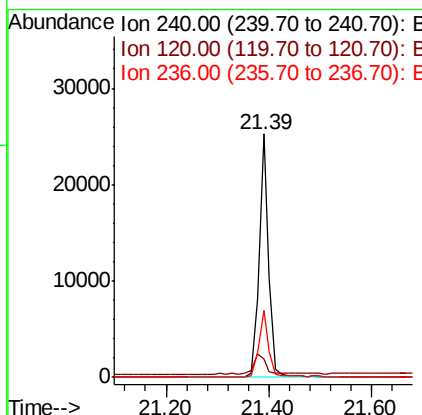
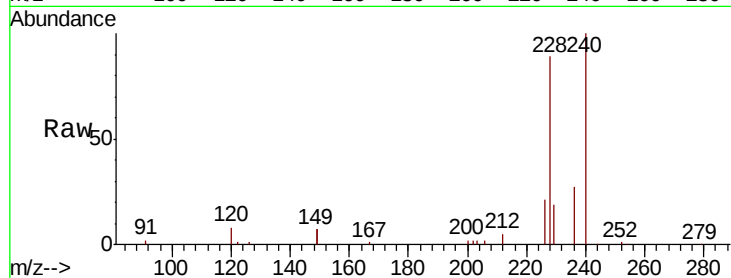




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099079.D
Acq: 22 Mar 2019 13:20

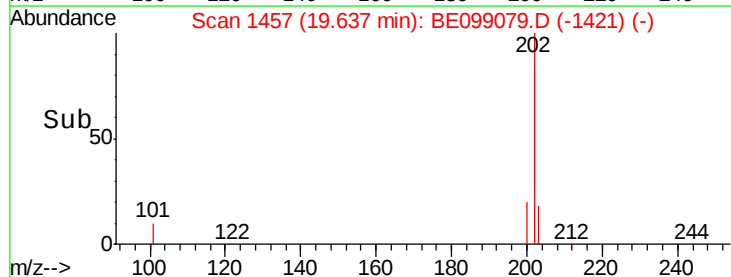
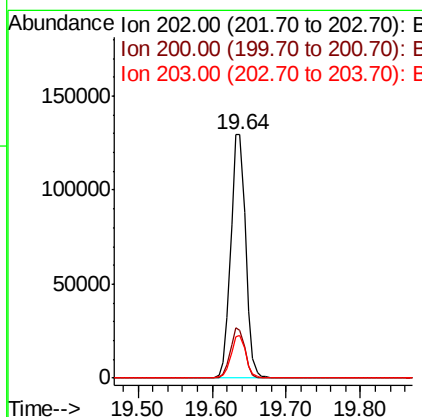
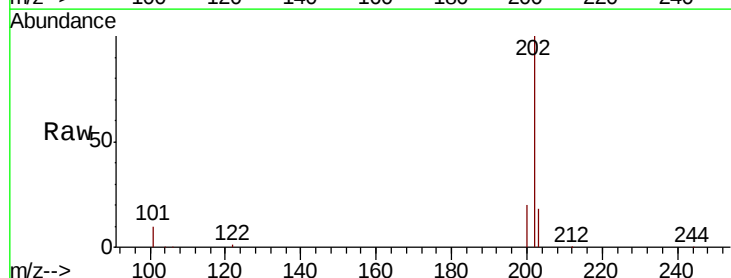
Instrument :
BNA_E
ClientSampleId :

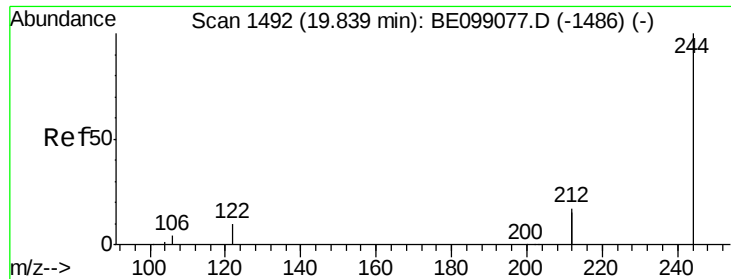
Tot Ion:240 Resp: 32982
Ion Ratio Lower Upper
240 100
120 7.5 5.0 7.6
236 27.4 22.2 33.4



#28
Pyrene
Concen: 1.788 ng
RT: 19.64 min Scan# 1457
Delta R.T. 0.01 min
Lab File: BE099079.D
Acq: 22 Mar 2019 13:20

Tgt Ion:202 Resp: 180442
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 17.4 14.0 21.0





#29

Terphenyl-d14

Concen: 1.389 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

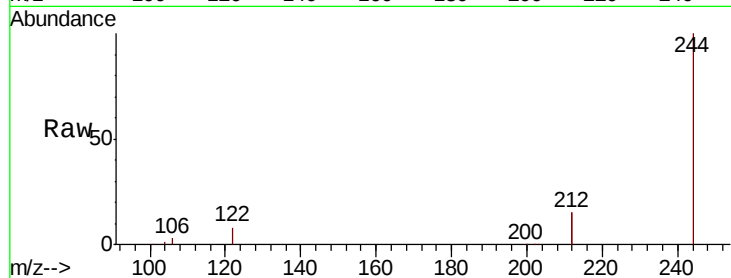
Tot Ion:244 Resp: 111312

Ion Ratio Lower Upper

244 100

212 30.3 26.9 40.3

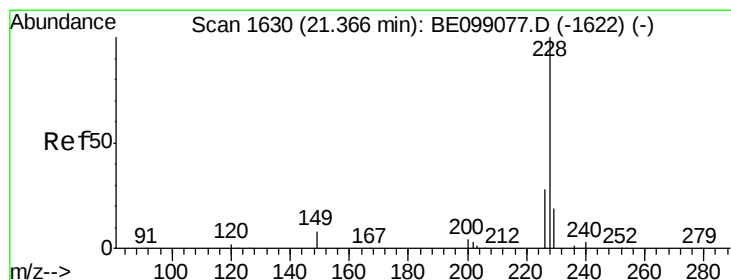
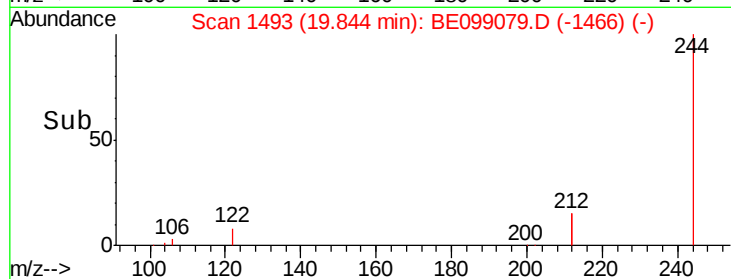
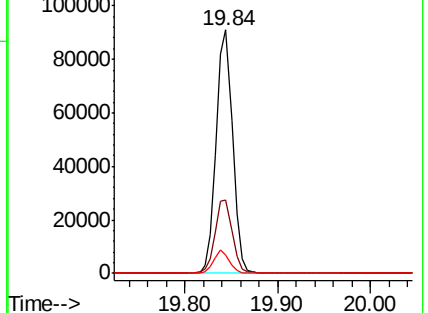
122 7.8 7.8 11.8#



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: 1.822 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

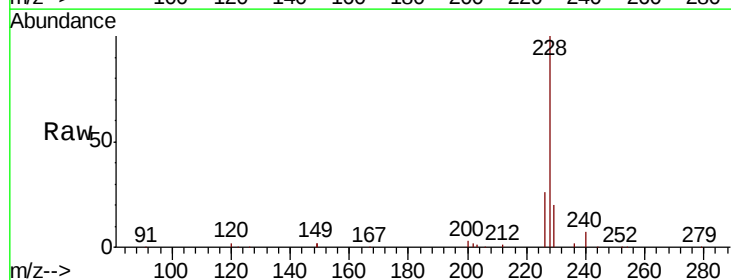
Tgt Ion:228 Resp: 187570

Ion Ratio Lower Upper

228 100

226 26.0 22.4 33.6

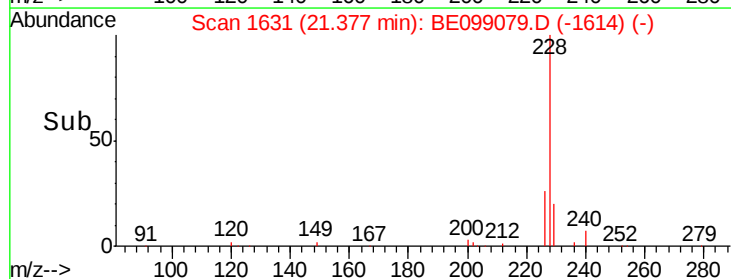
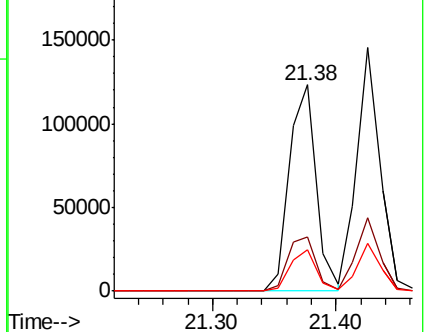
229 20.2 15.6 23.4

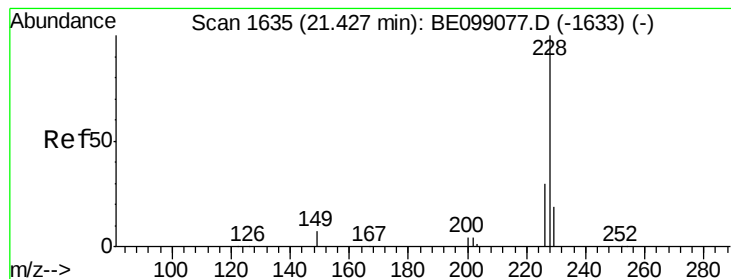


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.730 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

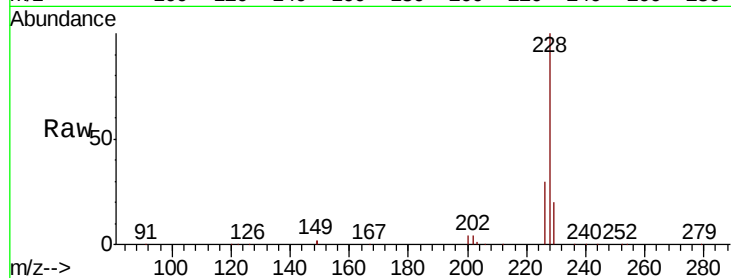
Tot Ion:228 Resp: 190531

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 19.7 15.5 23.3



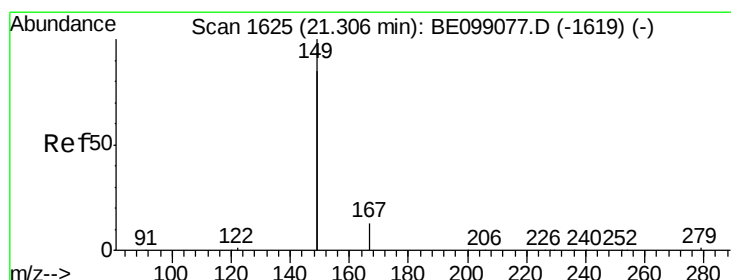
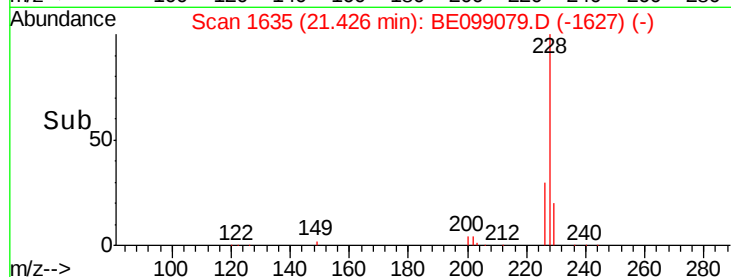
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.43

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.050 ng

RT: 21.30 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

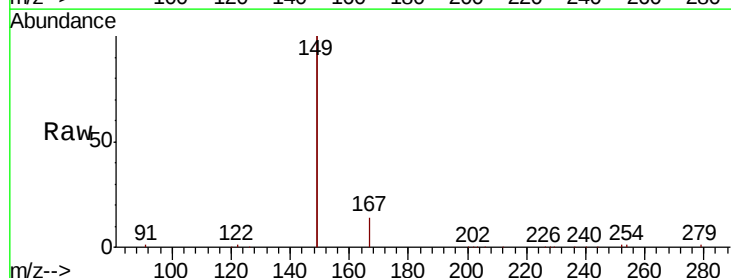
Tgt Ion:149 Resp: 230011

Ion Ratio Lower Upper

149 100

167 7.3 5.7 8.5

279 1.0 0.8 1.2



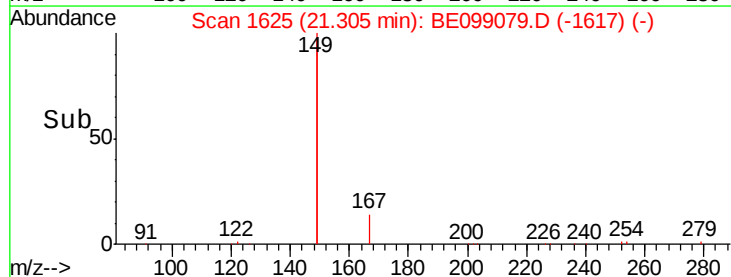
Abundance Ion 149.00 (148.70 to 149.70): E

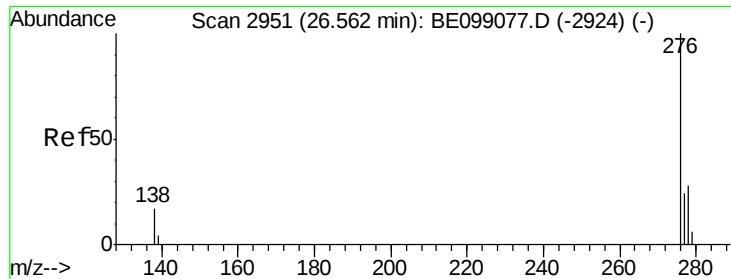
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.30

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 1.738 ng

RT: 26.57 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

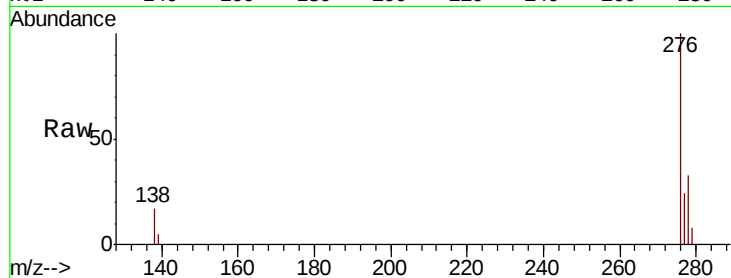
Tot Ion:276 Resp: 202074

Ion Ratio Lower Upper

276 100

138 19.7 15.8 23.8

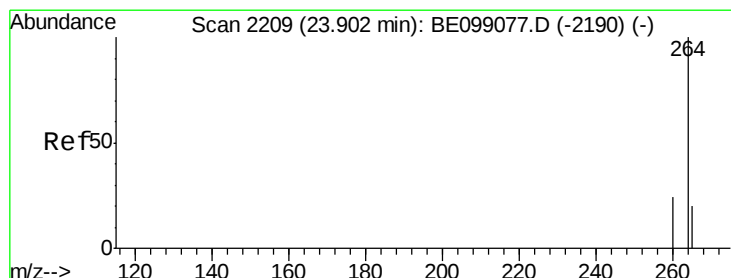
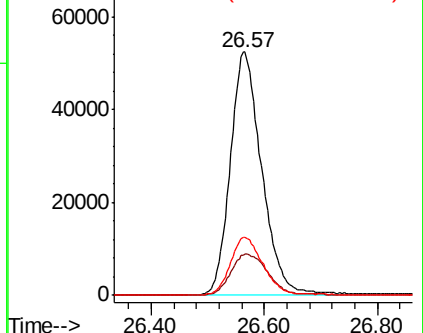
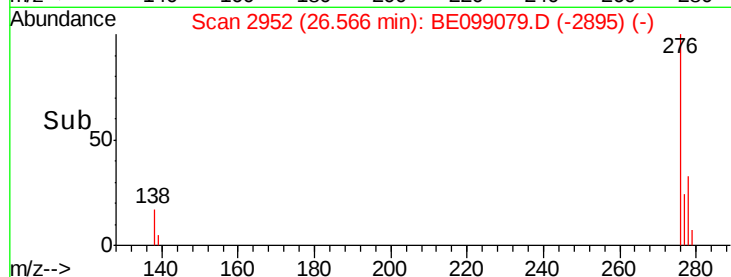
277 24.5 19.4 29.2



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: 23.91 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

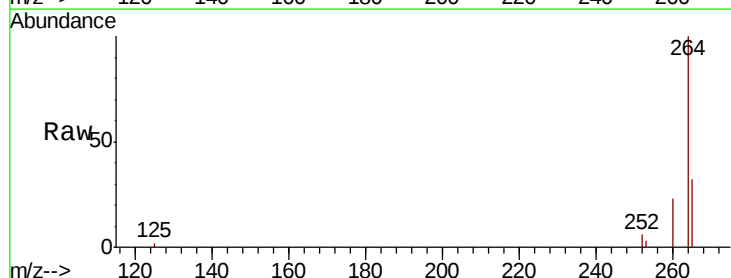
Tgt Ion:264 Resp: 31511

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

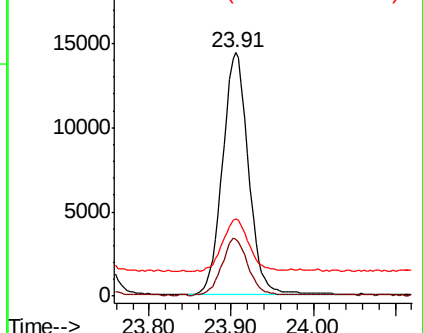
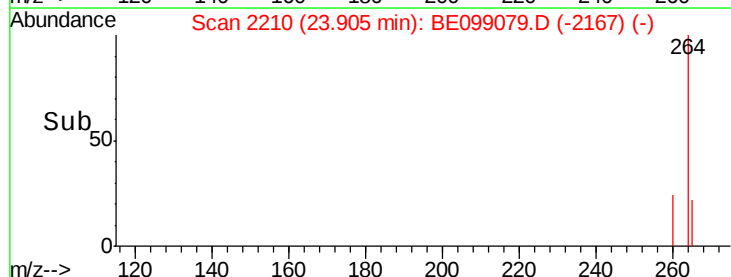
265 31.7 24.1 36.1



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: 1.754 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

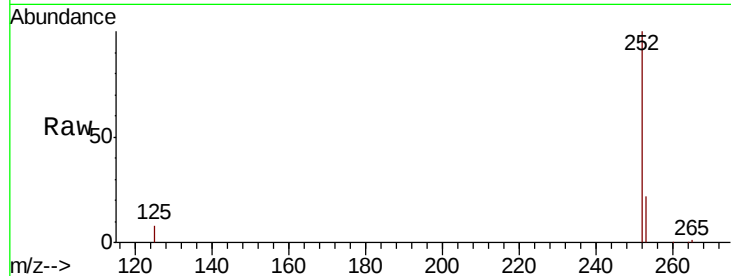
Tot Ion:252 Resp: 181760

Ion Ratio Lower Upper

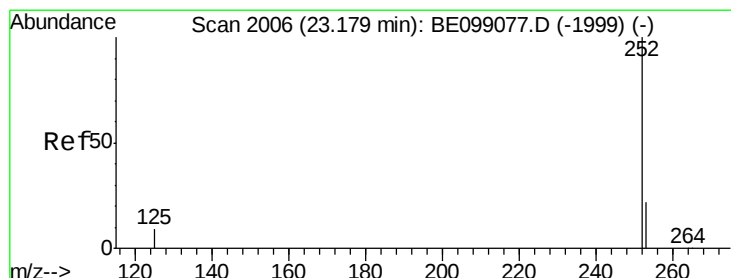
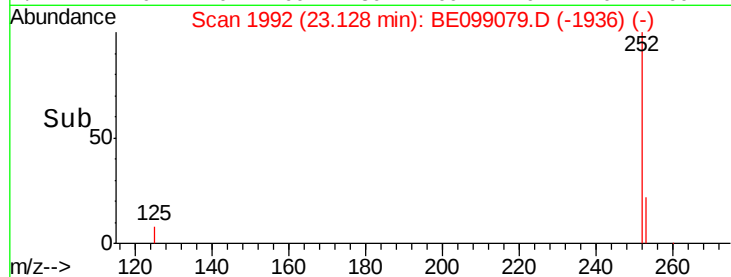
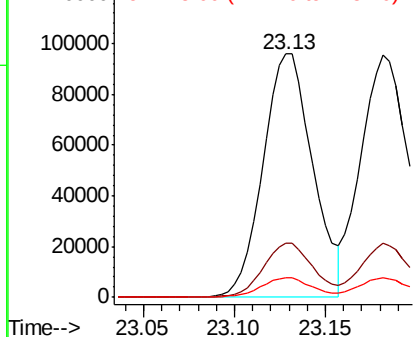
252 100

253 22.4 18.4 27.6

125 8.0 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: 1.639 ng

RT: 23.18 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

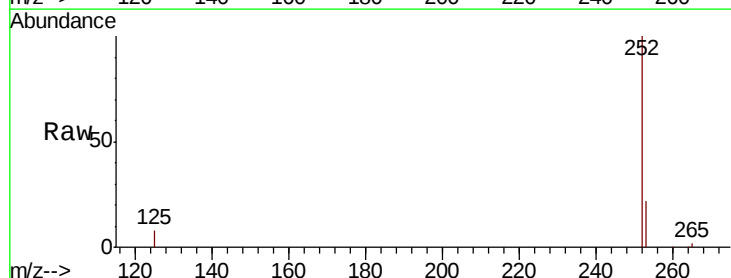
Tgt Ion:252 Resp: 177770

Ion Ratio Lower Upper

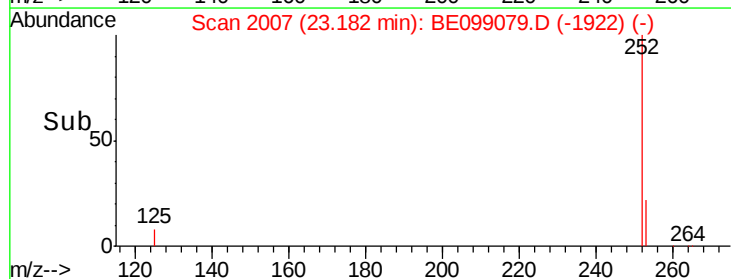
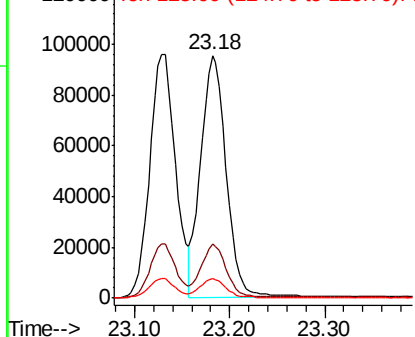
252 100

253 22.3 18.6 28.0

125 8.0 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: 1.690 ng

RT: 23.79 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

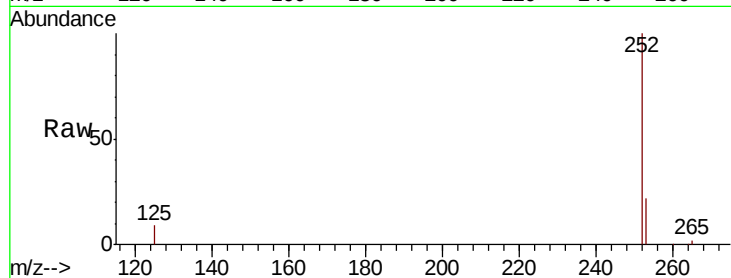
Tot Ion:252 Resp: 167884

Ion Ratio Lower Upper

252 100

253 21.9 19.3 28.9

125 8.6 8.3 12.5

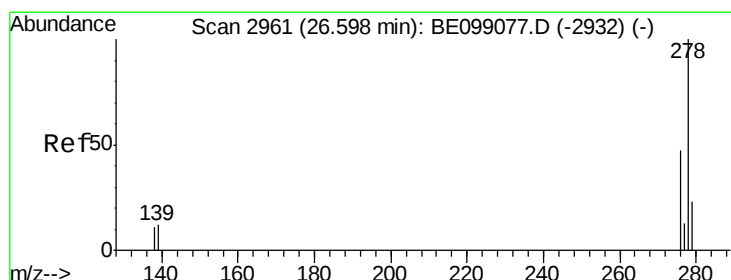
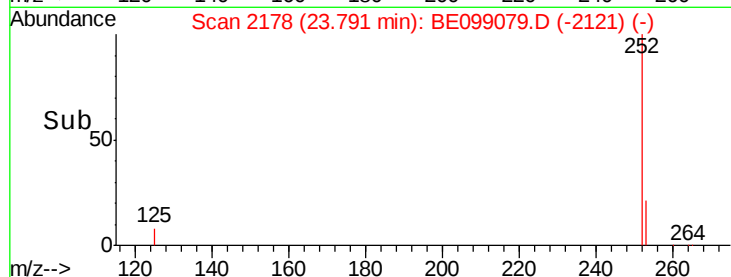
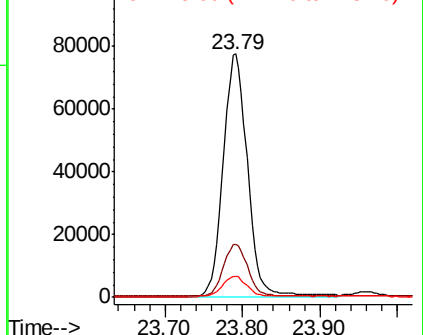


Abundance

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: 1.772 ng

RT: 26.59 min Scan# 2960

Delta R.T. -0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

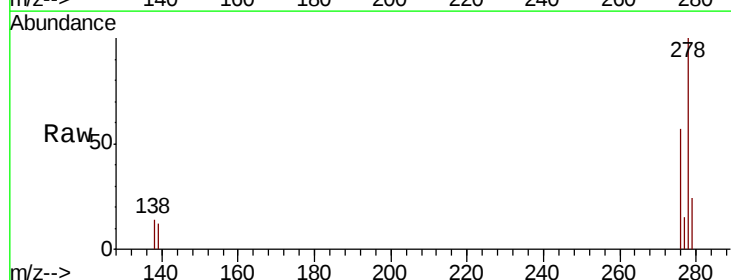
Tgt Ion:278 Resp: 166522

Ion Ratio Lower Upper

278 100

139 12.5 10.6 16.0

279 24.1 19.4 29.2

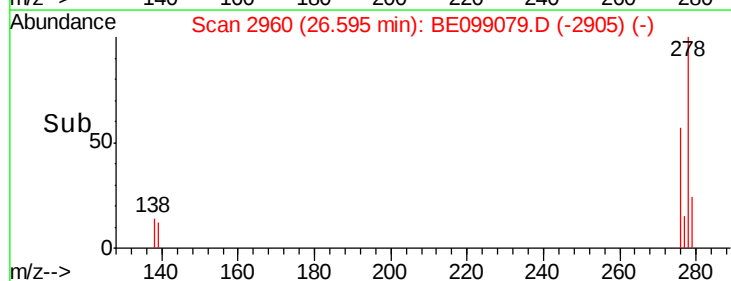
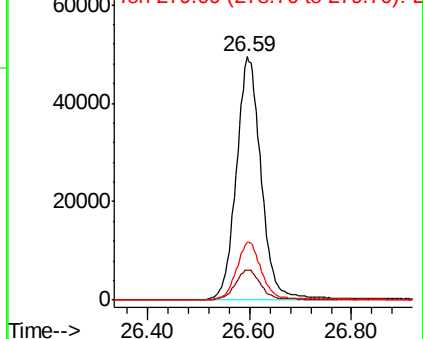


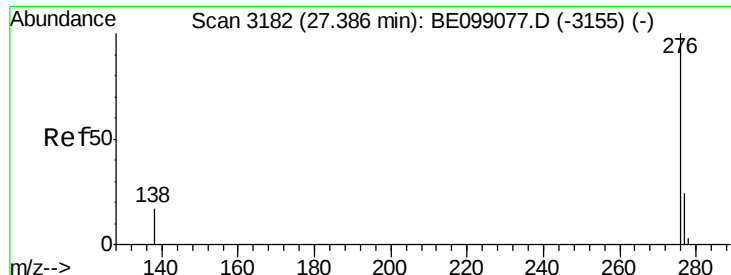
Abundance

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: 1.703 ng

RT: 27.39 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BE099079.D

Acq: 22 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

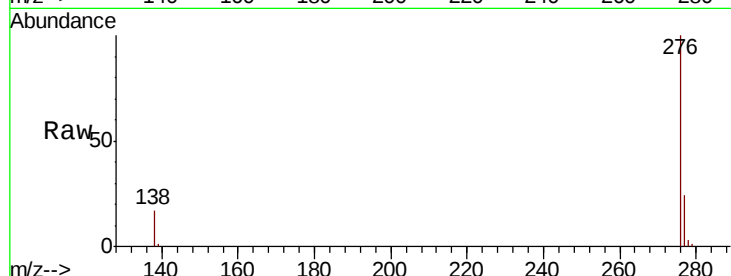
Tot Ion:276 Resp: 167348

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 16.9 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

