

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032619\
 Data File : BE099238.D
 Acq On : 27 Mar 2019 6:51
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 27 14:14:47 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	7.83	152	4916	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	22920	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	16991	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	43883	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	49865	0.40	ng	-0.01
34) Perylene-d12	23.89	264	46061	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	4836	0.33	ng	-0.01
5) Phenol-d6	6.99	99	7807	0.35	ng	0.00
8) Nitrobenzene-d5	8.99	82	6135	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	15028	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1882	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	23543	0.34	ng	0.00
25) Fluoranthene-d10	19.24	212	183350	0.34	ng	0.00
29) Terphenyl-d14	19.83	244	36131	0.33	ng	0.00

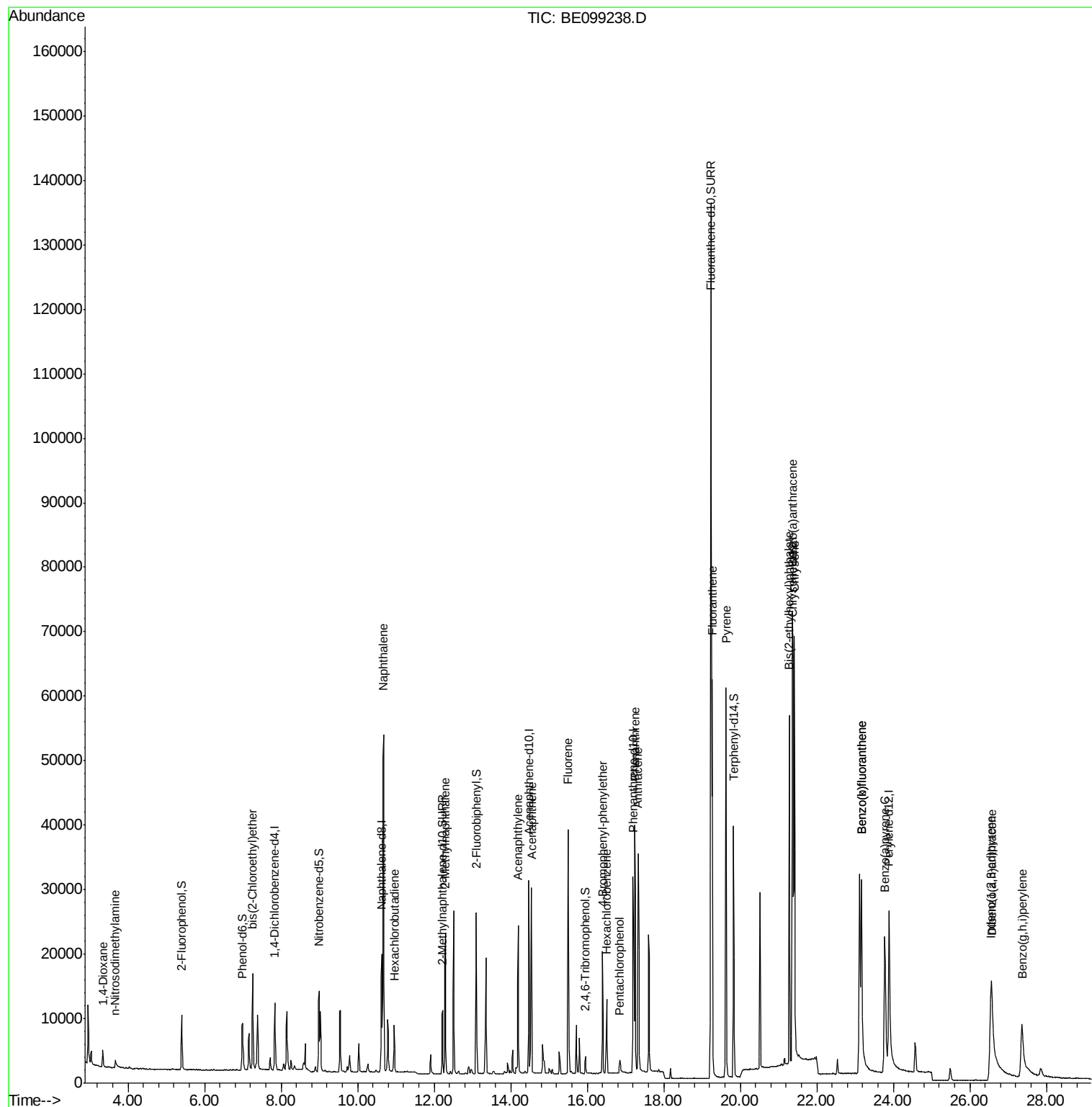
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	2138	0.330	ng	98
3) n-Nitrosodimethylamine	3.67	42	1081	0.298	ng	# 87
6) bis(2-Chloroethyl)ether	7.25	93	5895	0.334	ng	100
9) Naphthalene	10.68	128	92860	0.344	ng	100
10) Hexachlorobutadiene	10.95	225	4941	0.343	ng	98
12) 2-Methylnaphthalene	12.30	142	16720	0.346	ng	98
16) Acenaphthylene	14.20	152	27630	0.319	ng	100
17) Acenaphthene	14.54	154	17424	0.336	ng	99
18) Fluorene	15.50	166	24208	0.332	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	9057	0.320	ng	# 79
21) Hexachlorobenzene	16.50	284	9155	0.335	ng	98
22) Pentachlorophenol	16.85	266	1390	0.577	ng	95
23) Phenanthrene	17.24	178	42820	0.332	ng	99
24) Anthracene	17.33	178	36497	0.313	ng	99
26) Fluoranthene	19.26	202	54452	0.331	ng	99
28) Pyrene	19.63	202	55831	0.337	ng	100
30) Benzo(a)anthracene	21.37	228	53369	0.324	ng	98
31) Chrysene	21.41	228	59395	0.338	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	57536	0.293	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	38184	0.229	ng	# 91
35) Benzo(b)fluoranthene	23.17	252	55670	0.367	ng	98
36) Benzo(k)fluoranthene	23.17	252	55670	0.347	ng	98
37) Benzo(a)pyrene	23.78	252	47555	0.336	ng	# 94
38) Dibenzo(a,h)anthracene	26.57	278	27519	0.219	ng	# 84
39) Benzo(g,h,i)perylene	27.36	276	30265	0.240	ng	95

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

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Instrument :
BNA_E
ClientSampled :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 07:02:06 2019
Response via : Initial Calibration

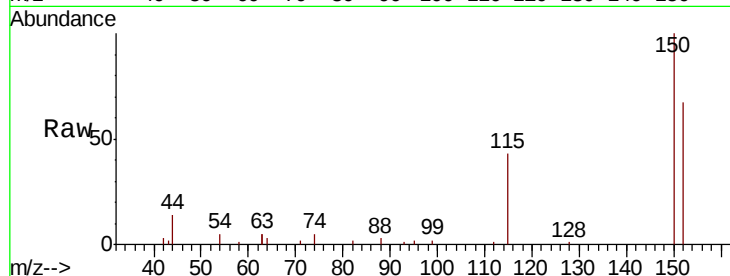




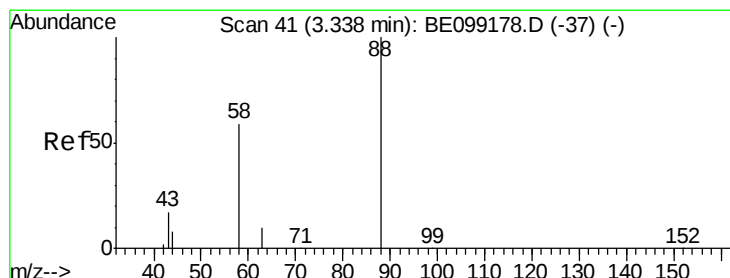
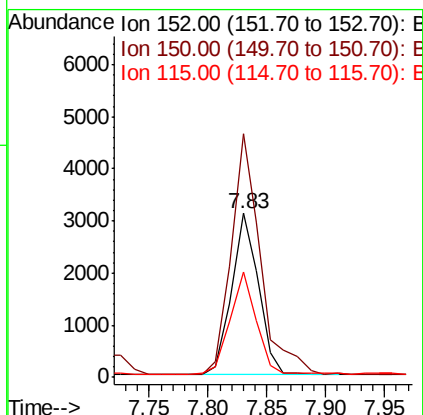
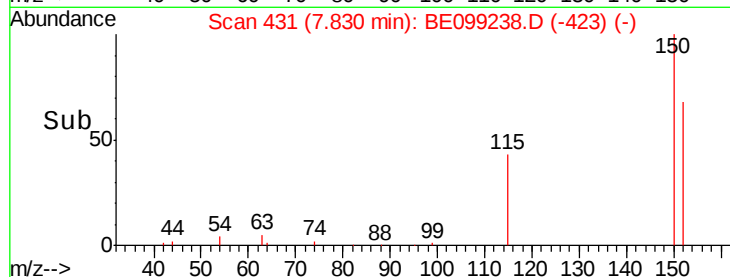
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.83 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: BE099238.D
 Acq: 27 Mar 2019 6:51

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 4916
 Ion Ratio Lower Upper
 152 100
 150 148.6 112.8 169.2
 115 64.0 45.1 67.7

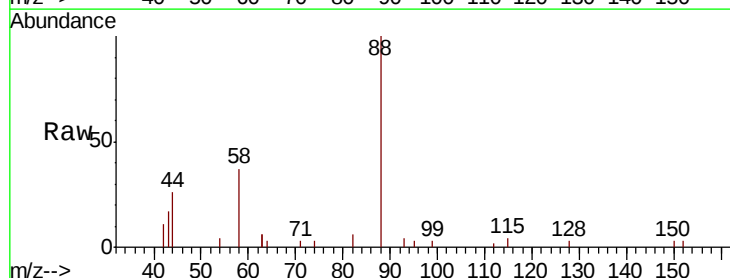


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

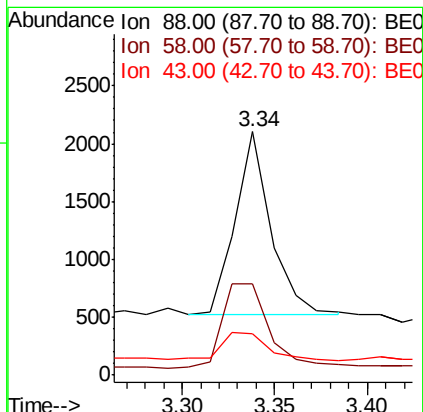
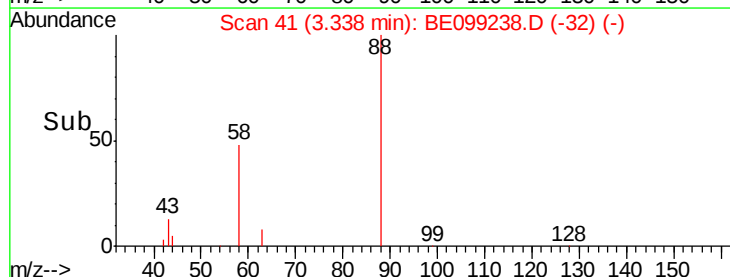


#2
 1,4-Dioxane
 Concen: 0.330 ng
 RT: 3.34 min Scan# 41
 Delta R.T. 0.00 min
 Lab File: BE099238.D
 Acq: 27 Mar 2019 6:51

Tgt Ion: 88 Resp: 2138
 Ion Ratio Lower Upper
 88 100
 58 60.3 47.4 71.0
 43 21.1 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: 0.298 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

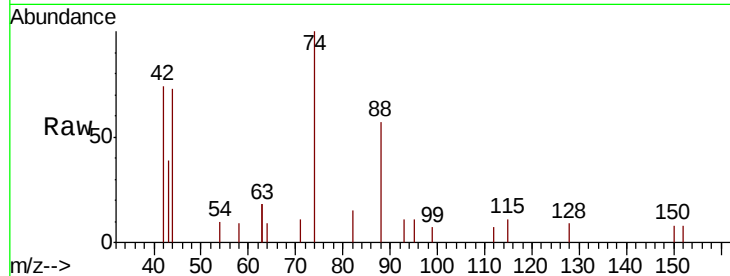
Tot Ion: 42 Resp: 1081

Ion Ratio Lower Upper

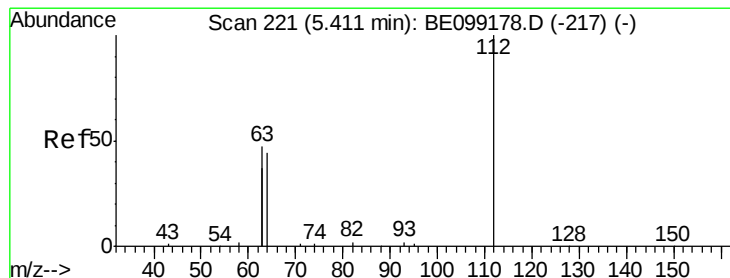
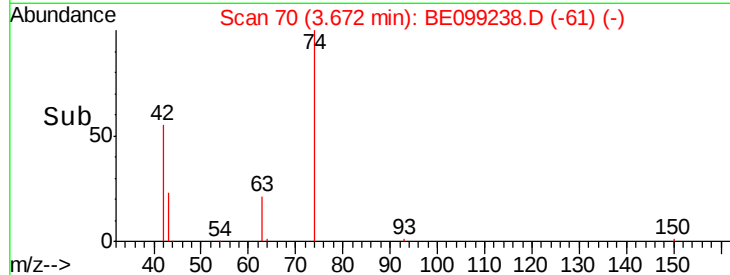
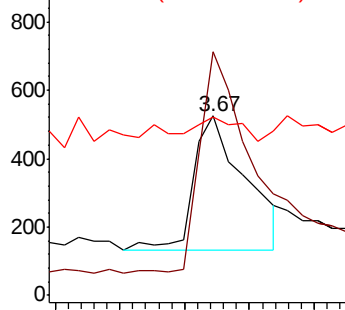
42 100

74 155.2 138.6 207.8

44 13.8 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: 0.329 ng

RT: 5.40 min Scan# 220

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

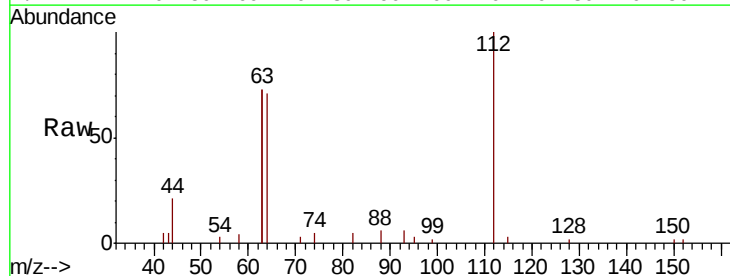
Tgt Ion: 112 Resp: 4836

Ion Ratio Lower Upper

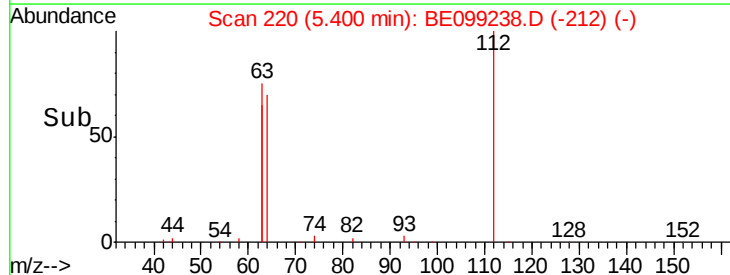
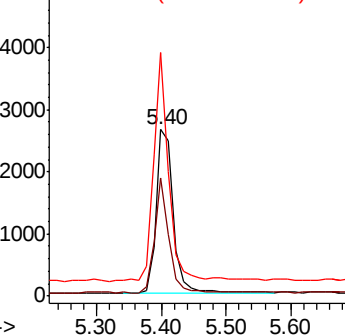
112 100

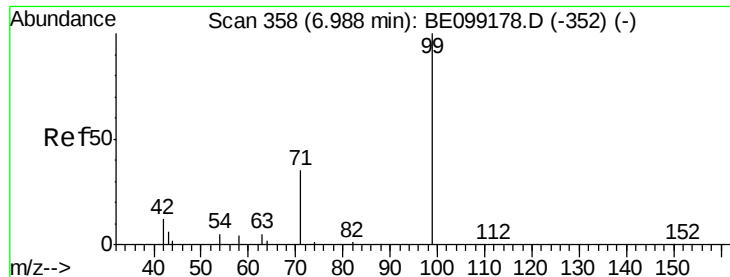
64 60.1 46.2 69.2

63 119.4 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: 0.348 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

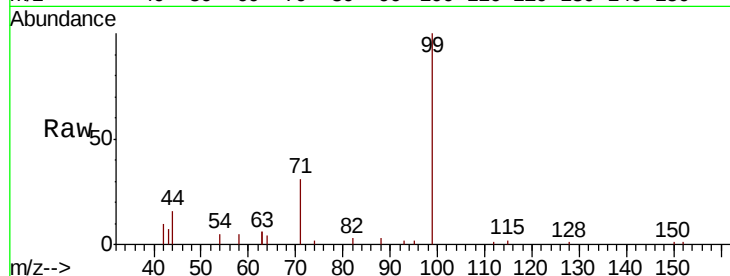
Tot Ion: 99 Resp: 7807

Ion Ratio Lower Upper

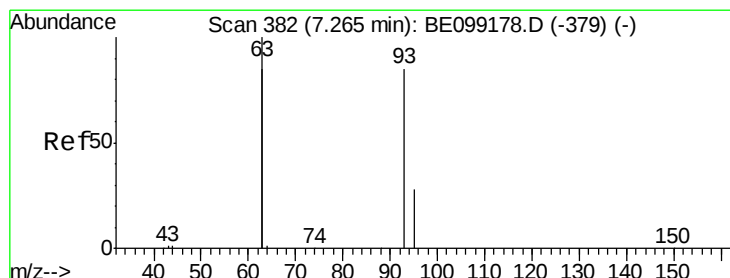
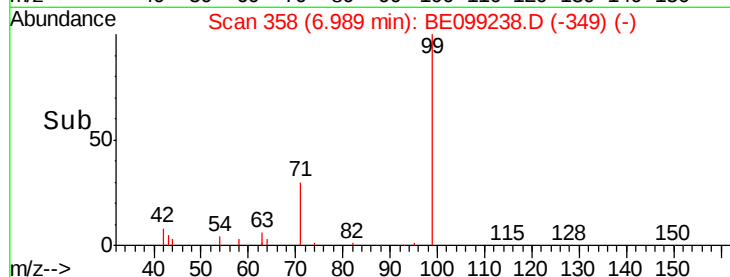
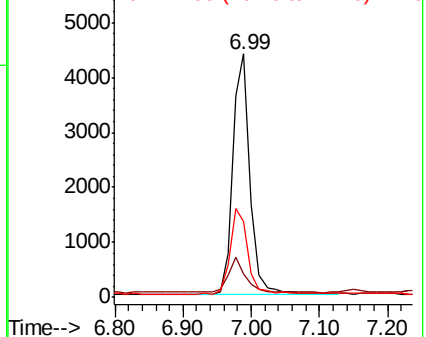
99 100

42 14.5 12.4 18.6

71 36.1 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: 0.334 ng

RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

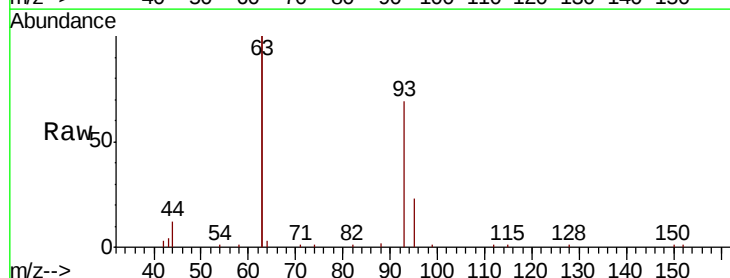
Tgt Ion: 93 Resp: 5895

Ion Ratio Lower Upper

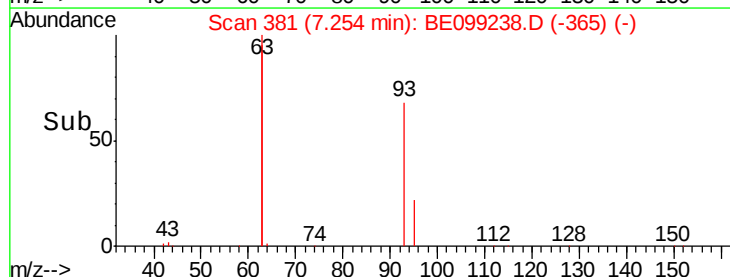
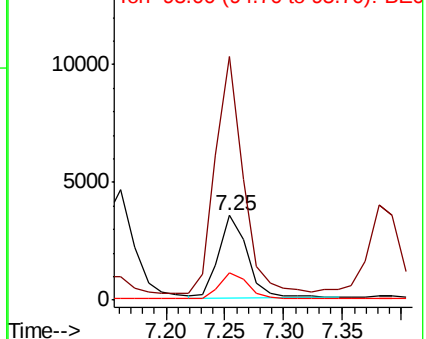
93 100

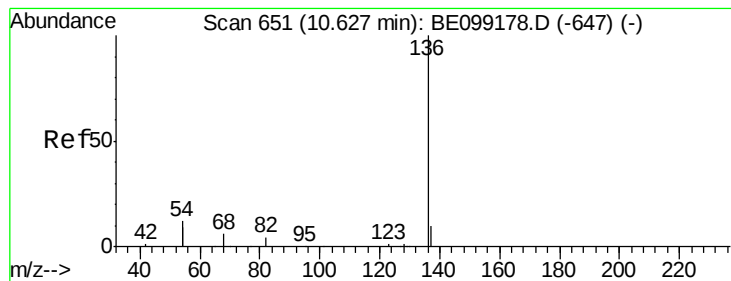
63 276.4 221.4 332.0

95 33.5 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# 651

Delta R.T. -0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 22920

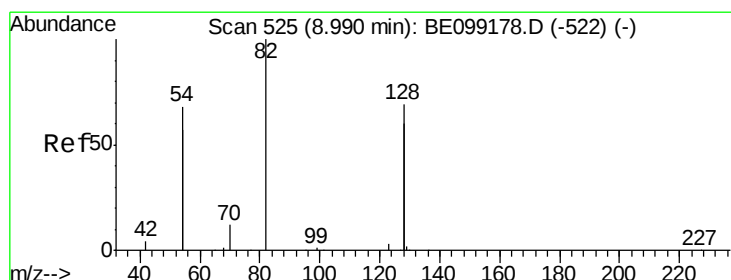
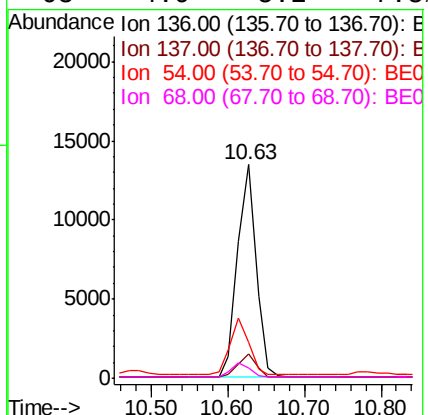
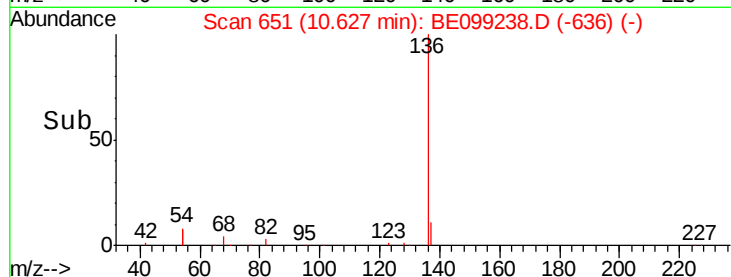
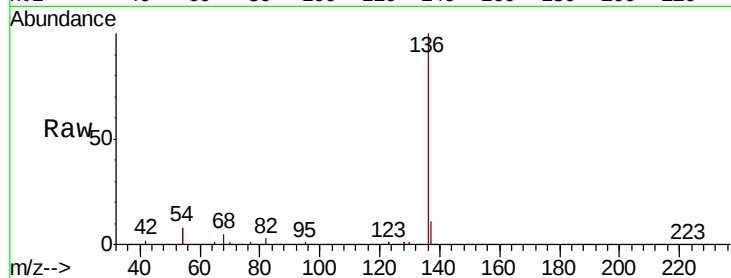
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 16.8 18.7 28.1#

68 4.9 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.328 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

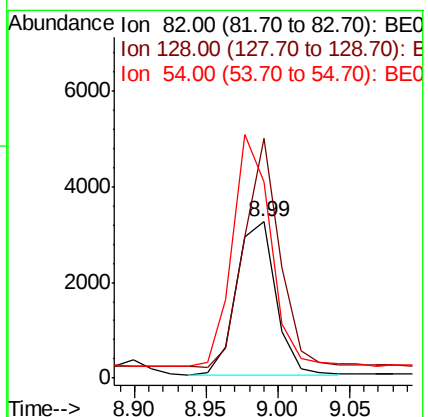
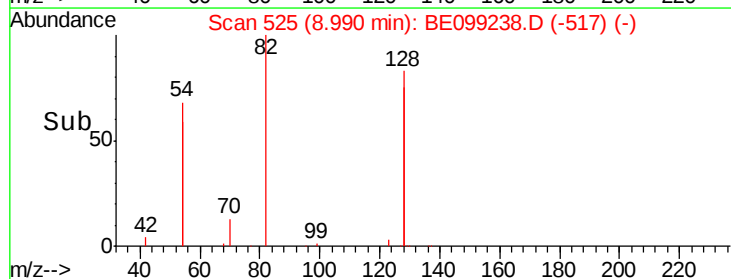
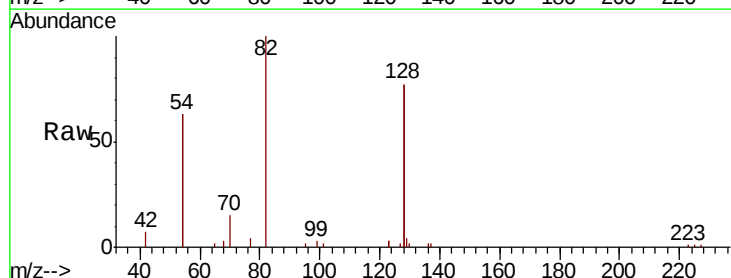
Tgt Ion: 82 Resp: 6135

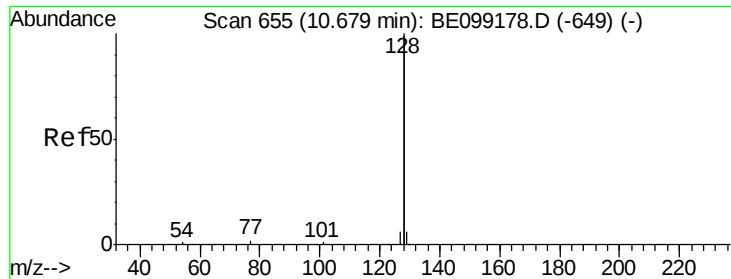
Ion Ratio Lower Upper

82 100

128 153.2 107.5 161.3

54 125.5 106.3 159.5





#9

Naphthalene

Concen: 0.344 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

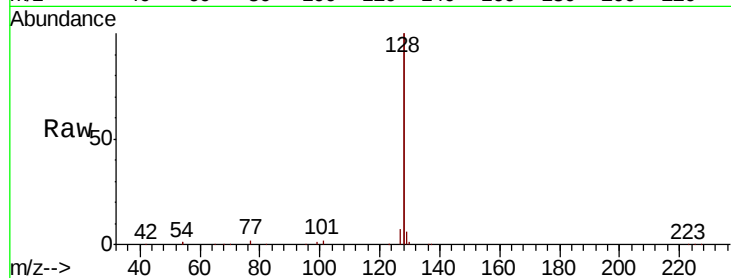
Tot Ion:128 Resp: 92860

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

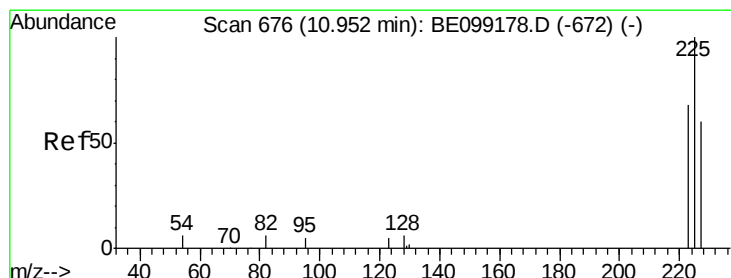
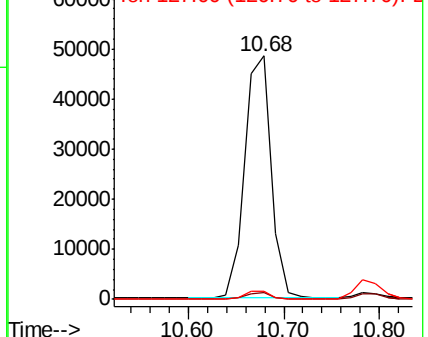
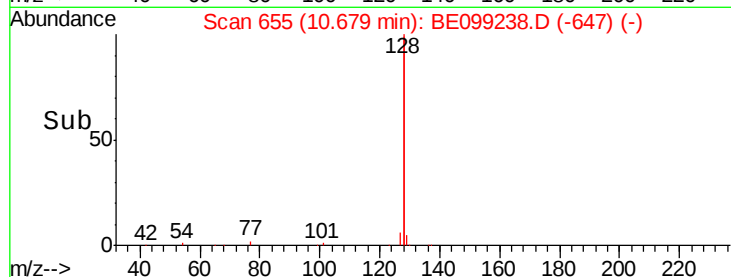
127 3.3 2.6 3.8



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: 0.343 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

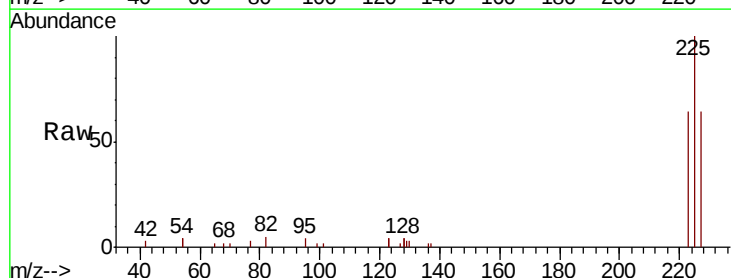
Tgt Ion:225 Resp: 4941

Ion Ratio Lower Upper

225 100

223 63.8 51.3 76.9

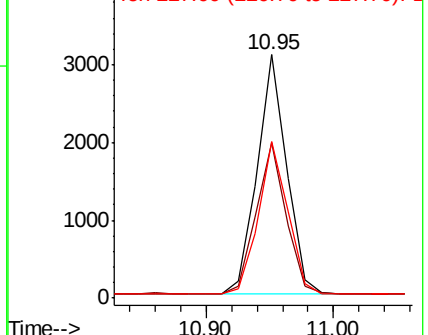
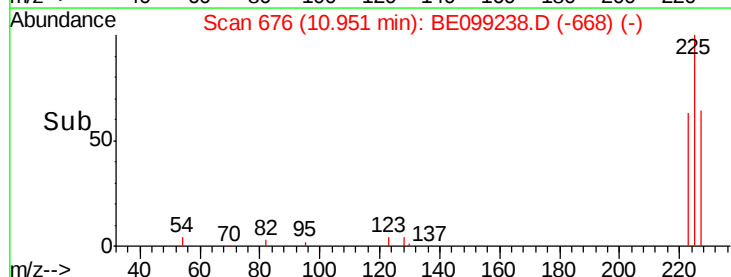
227 63.8 48.6 73.0

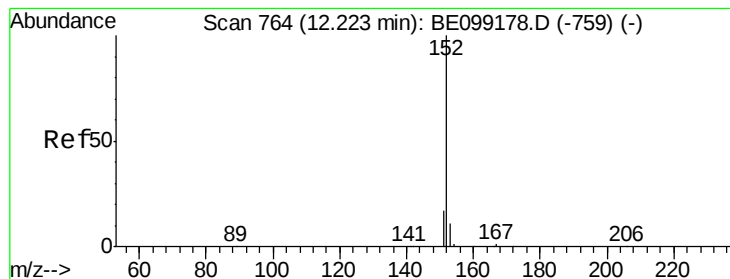


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.340 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

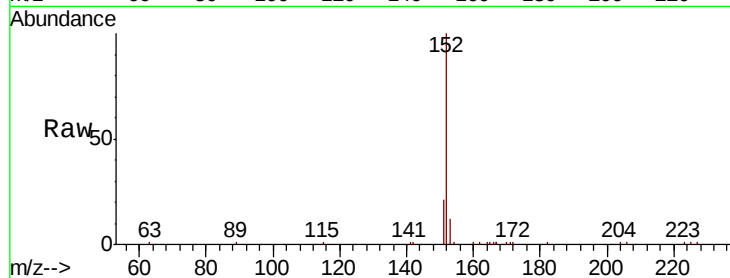
ClientSampleId :

Tot Ion:152 Resp: 15028

Ion Ratio Lower Upper

152 100

151 19.0 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

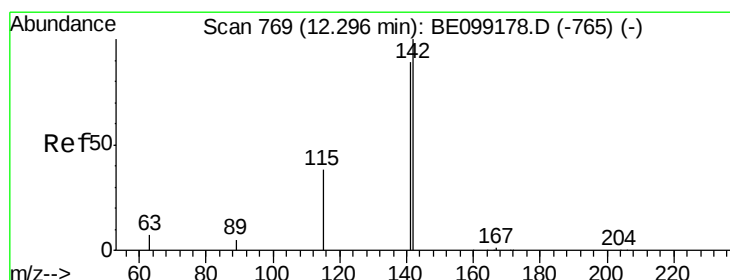
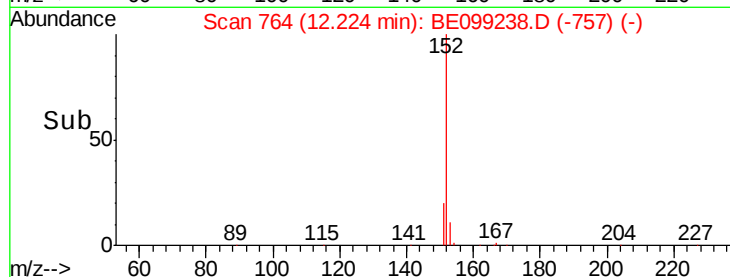
4000

2000

0

12.10 12.20 12.30

Time-->



#12

2-Methylnaphthalene

Concen: 0.346 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

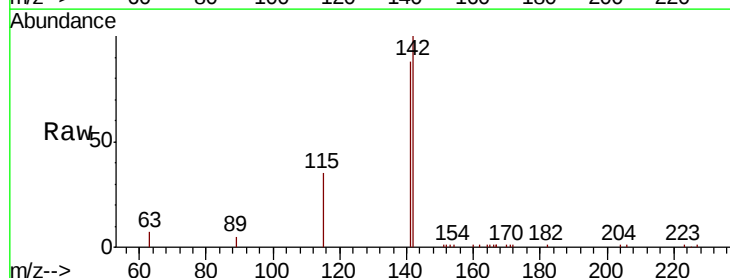
Tgt Ion:142 Resp: 16720

Ion Ratio Lower Upper

142 100

141 88.0 71.3 106.9

115 35.4 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

12000

10000

8000

6000

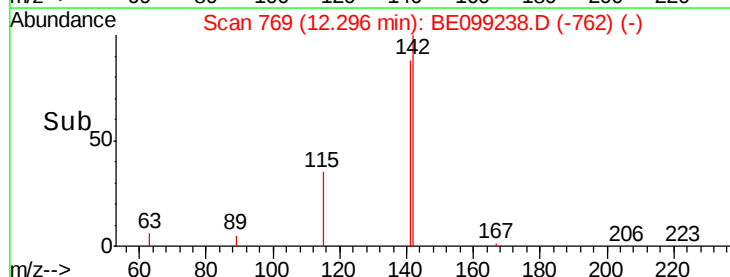
4000

2000

0

12.20 12.30 12.40

Time-->

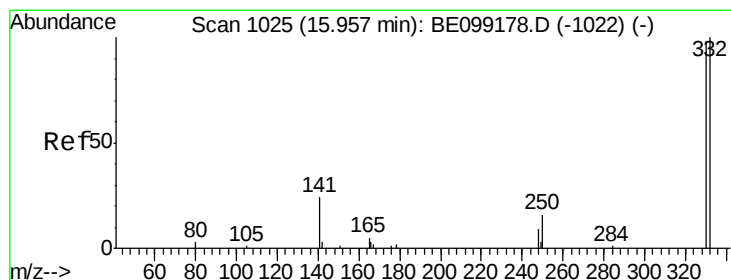
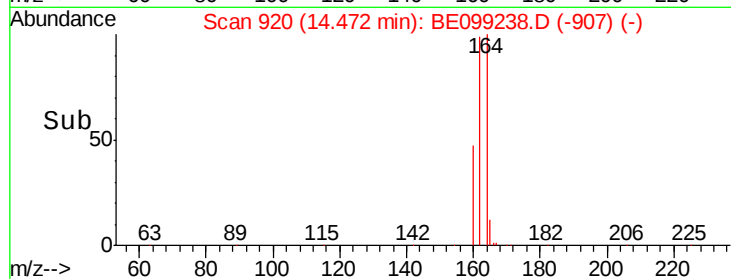
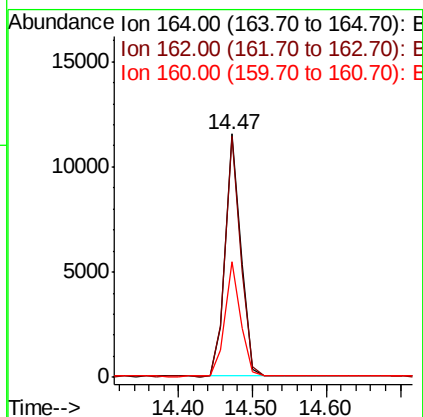
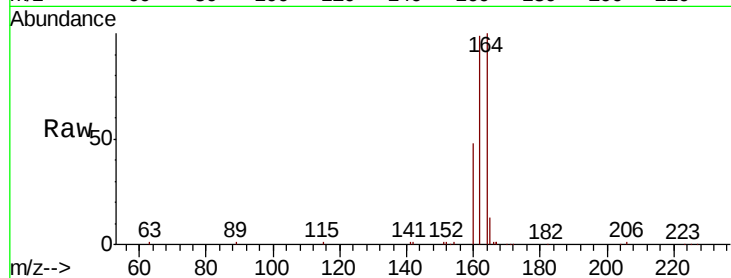




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

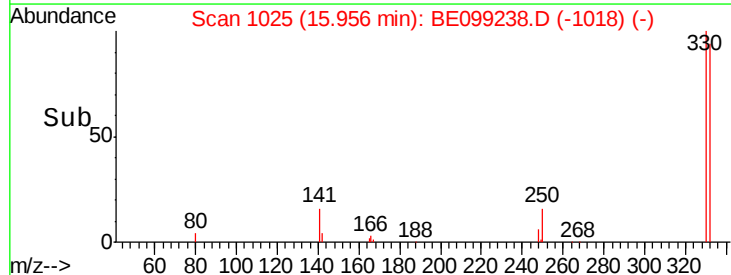
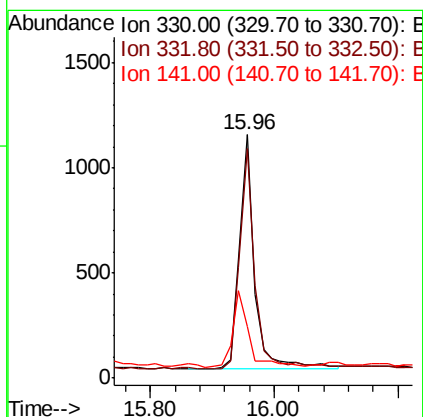
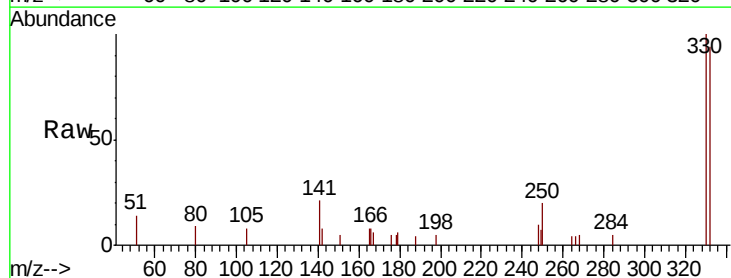
Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 16991
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 47.5 36.7 55.1



#14
2,4,6-Tribromophenol
Concen: 0.424 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:330 Resp: 1882
Ion Ratio Lower Upper
330 100
332 96.4 71.3 106.9
141 33.8 21.7 32.5#

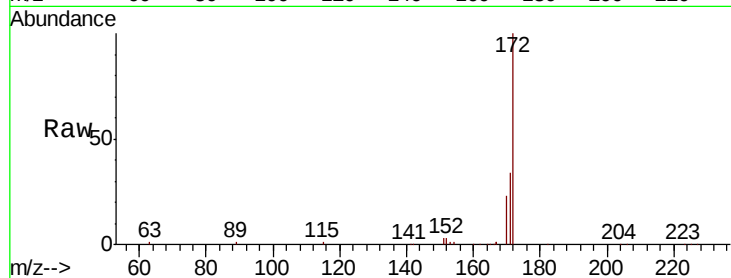




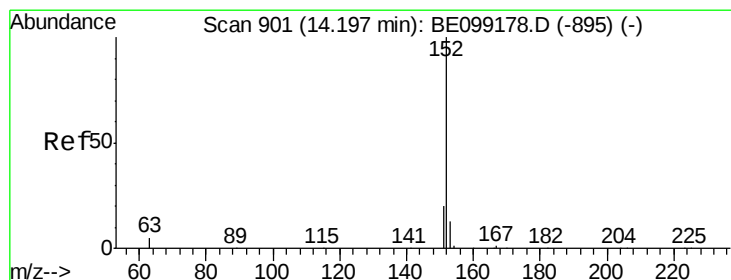
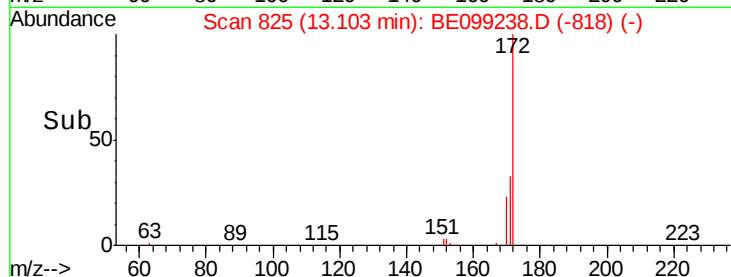
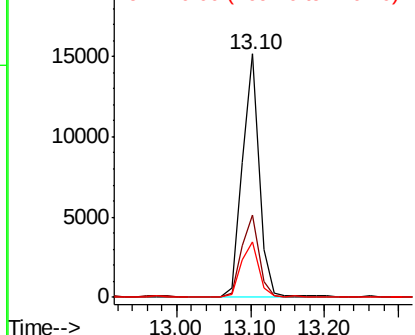
#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 23543
Ion Ratio Lower Upper
172 100
171 33.7 27.4 41.0
170 22.8 19.1 28.7

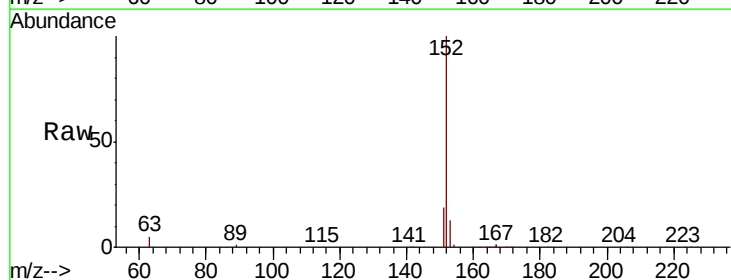


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

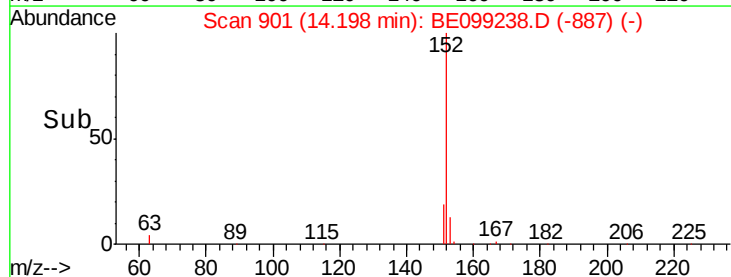
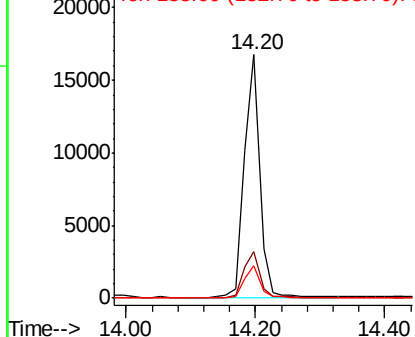


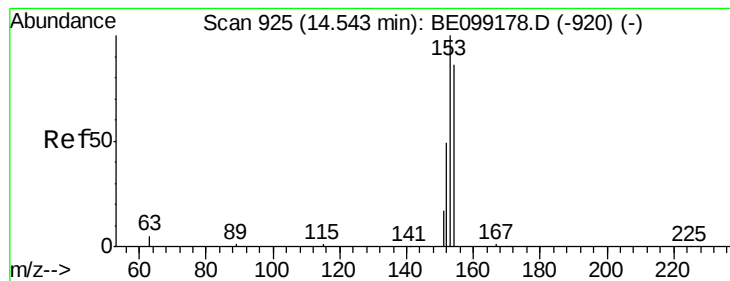
#16
Acenaphthylene
Concen: 0.319 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:152 Resp: 27630
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.1 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: 0.336 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampled :

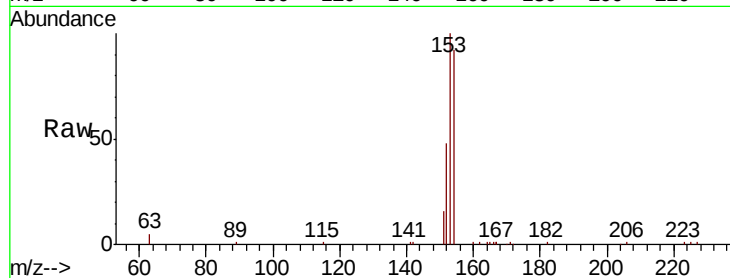
Tot Ion:154 Resp: 17424

Ion Ratio Lower Upper

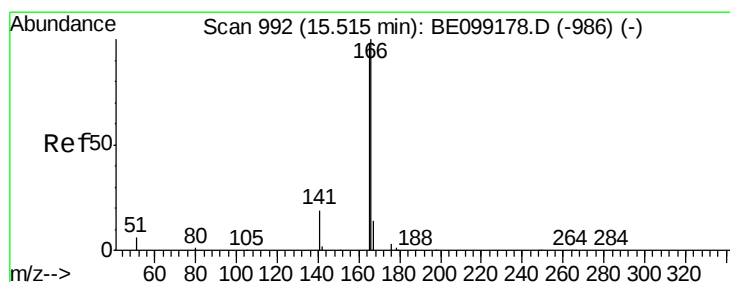
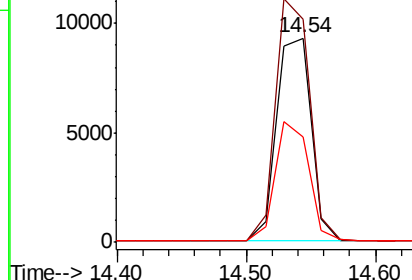
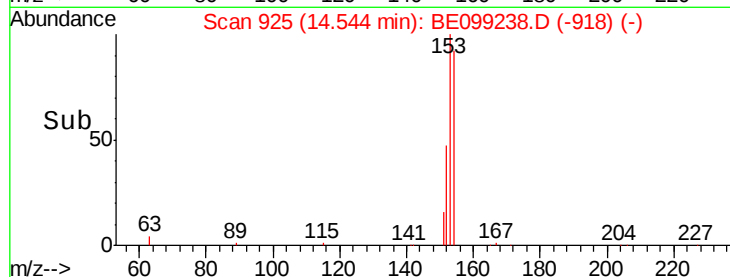
154 100

153 116.8 93.4 140.0

152 56.5 46.6 69.8



Abundance Ion 154.00 (153.70 to 154.70): E
15000 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: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

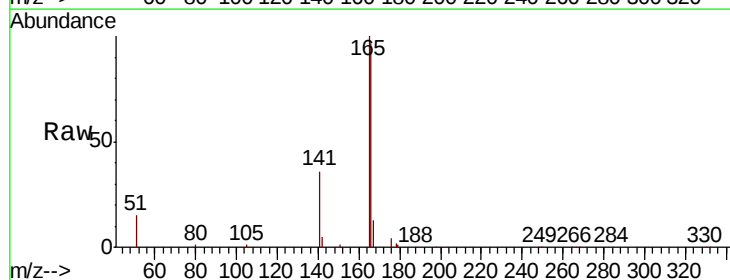
Tgt Ion:166 Resp: 24208

Ion Ratio Lower Upper

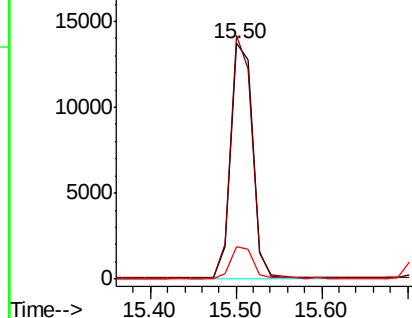
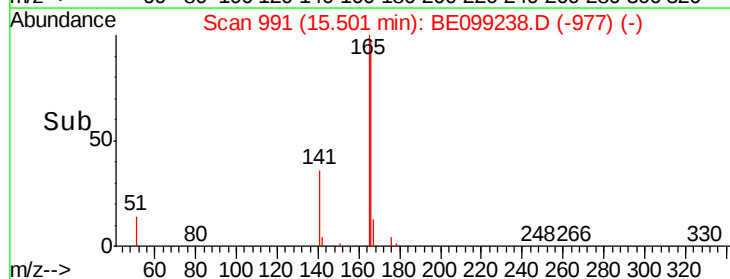
166 100

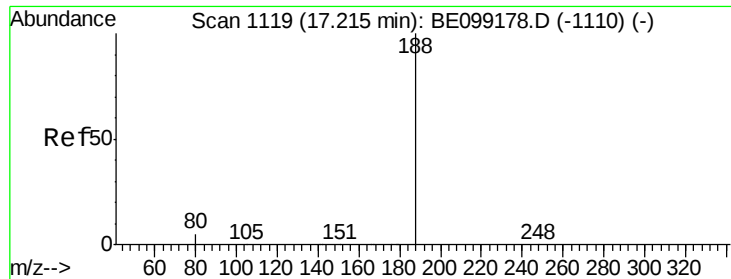
165 99.7 78.9 118.3

167 13.4 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
15000 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# 1118

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

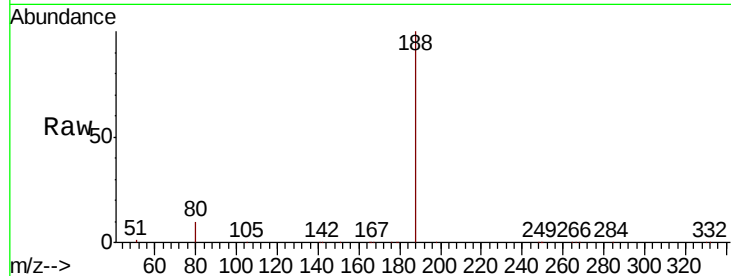
Tot Ion:188 Resp: 43883

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

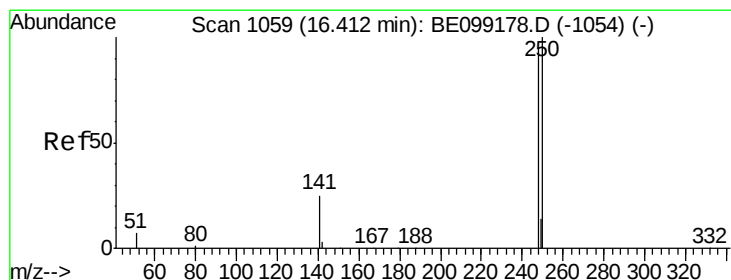
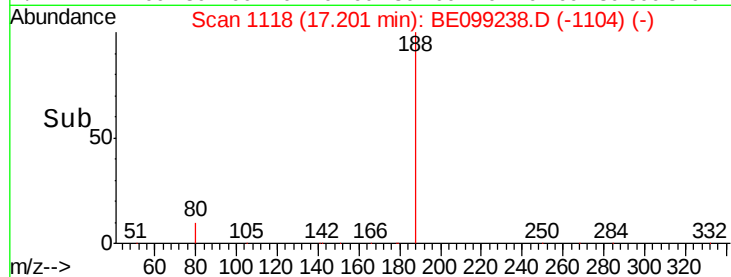
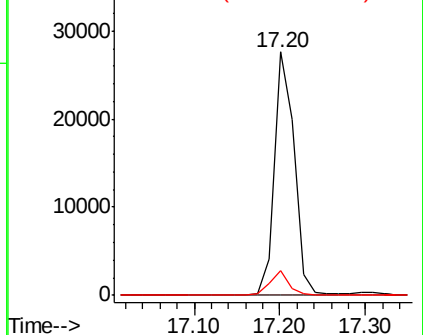
80 10.0 4.5 6.7#



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: 0.320 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

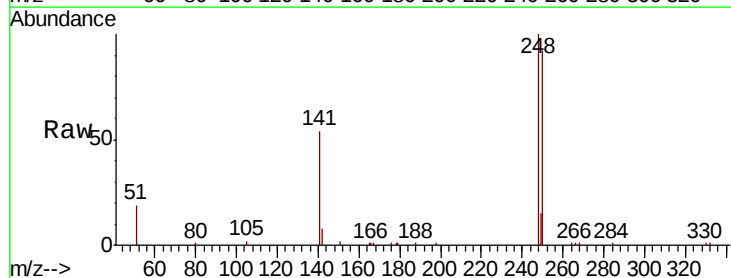
Tgt Ion:248 Resp: 9057

Ion Ratio Lower Upper

248 100

250 92.2 84.2 126.2

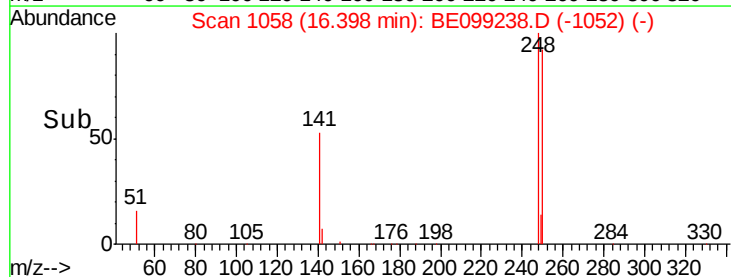
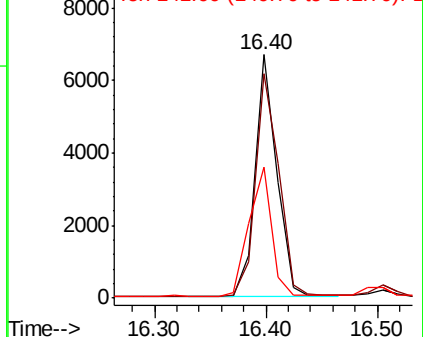
141 53.8 21.8 32.6#

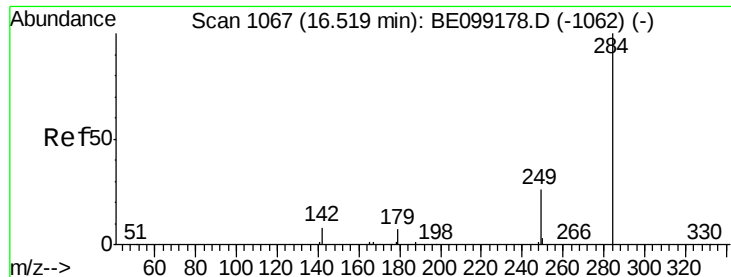


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

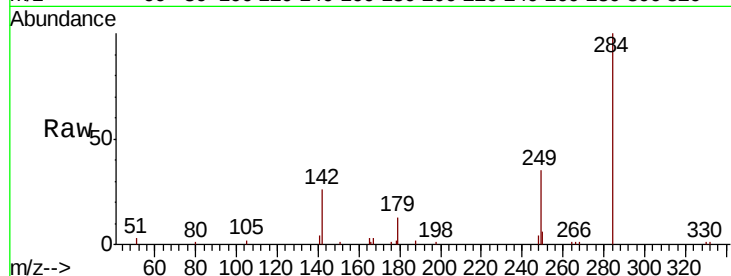




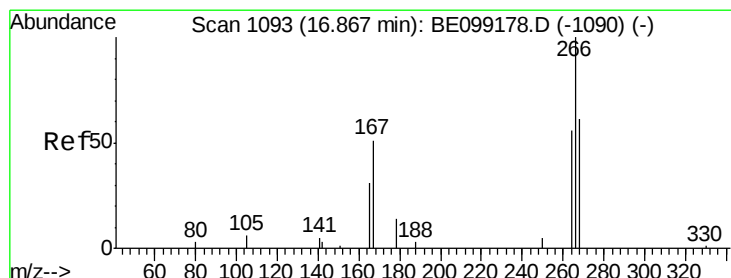
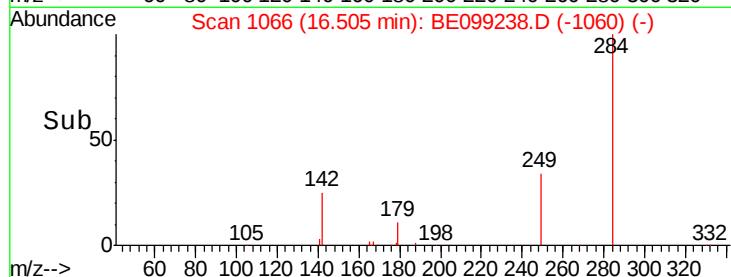
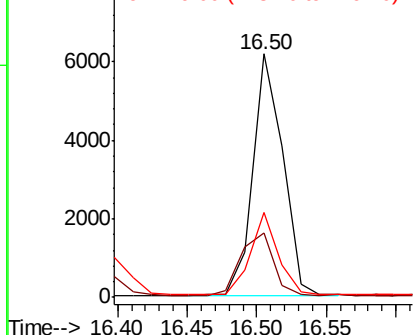
#21
Hexachlorobenzene
Concen: 0.335 ng
RT: 16.50 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 9155
Ion Ratio Lower Upper
284 100
142 28.1 22.7 34.1
249 31.9 26.9 40.3

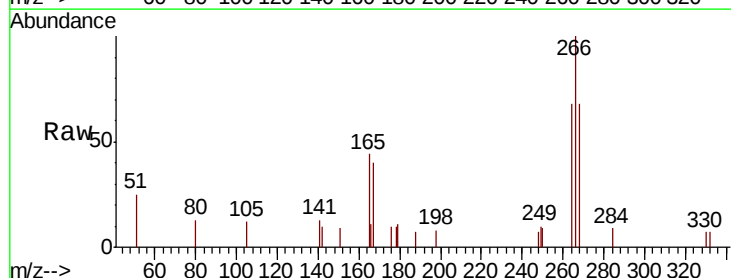


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

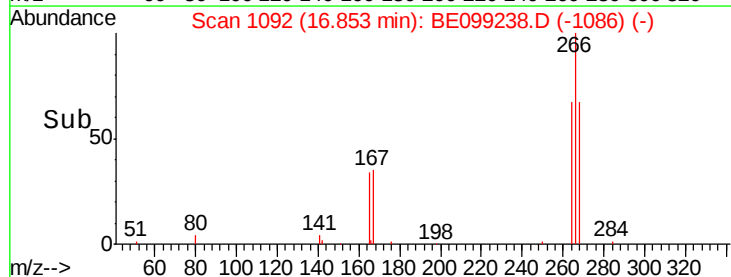
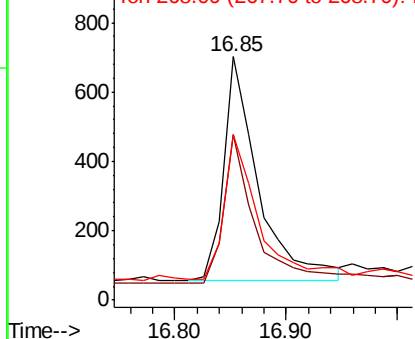


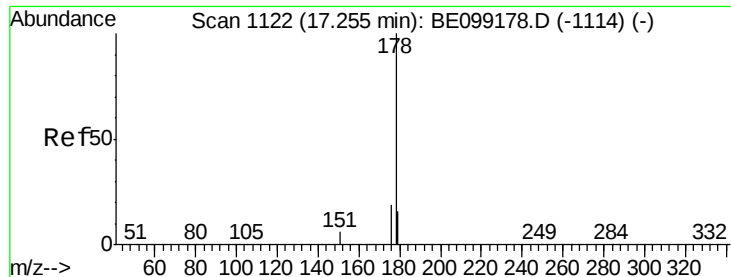
#22
Pentachlorophenol
Concen: 0.577 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:266 Resp: 1390
Ion Ratio Lower Upper
266 100
264 68.1 54.4 81.6
268 68.2 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: 0.332 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

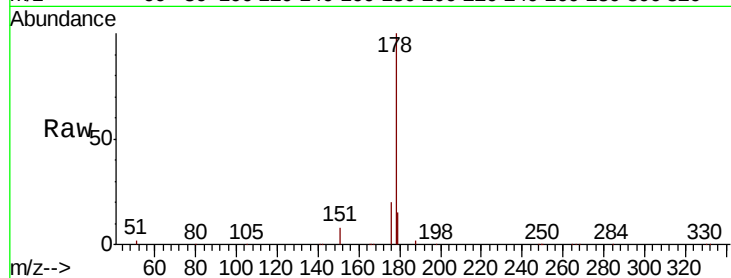
Tot Ion:178 Resp: 42820

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

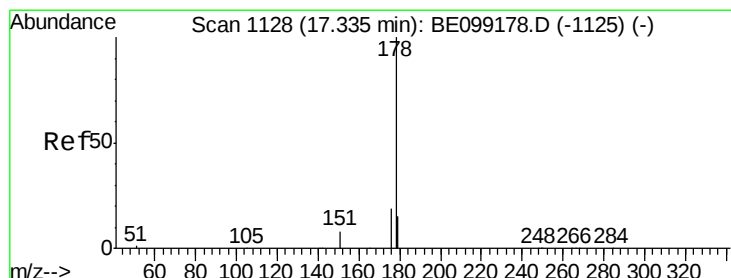
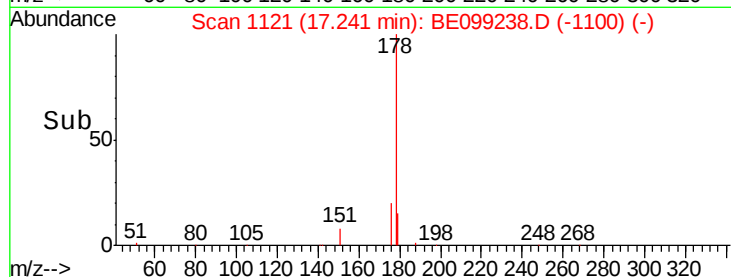
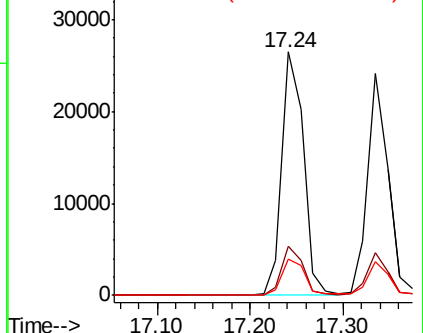
179 15.1 12.3 18.5



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: 0.313 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

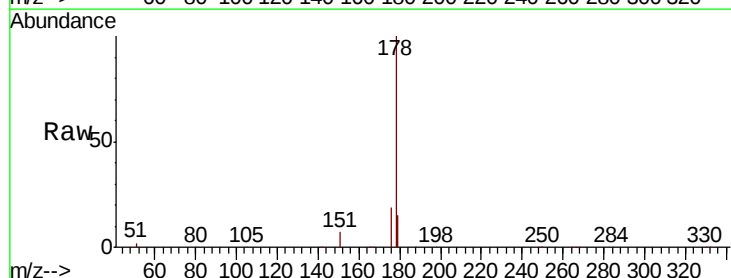
Tgt Ion:178 Resp: 36497

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

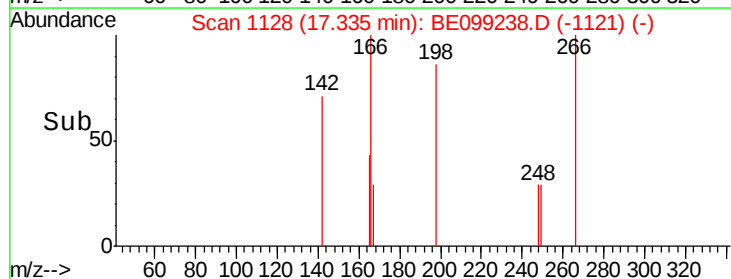
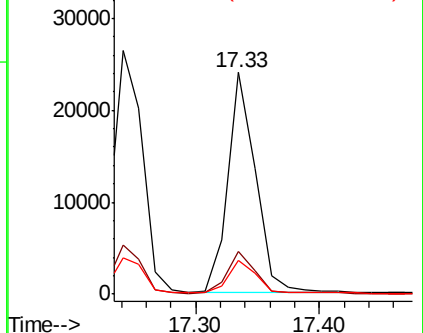
179 15.3 12.4 18.6

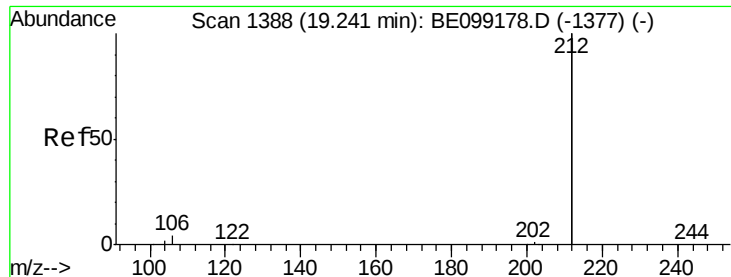


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

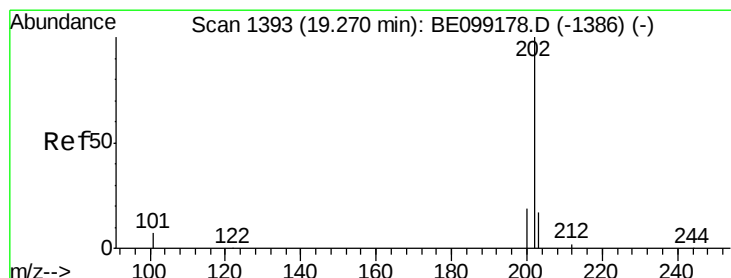
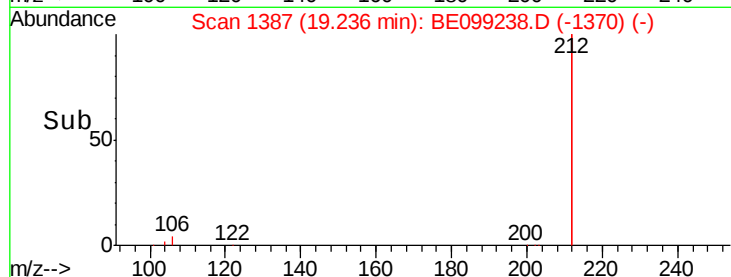
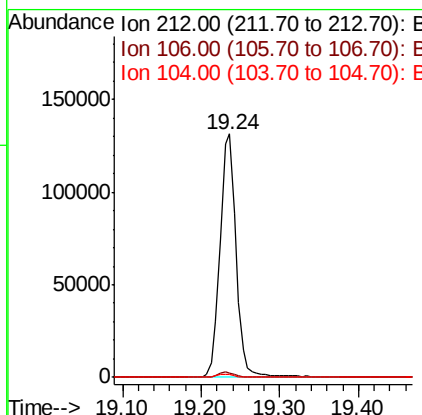
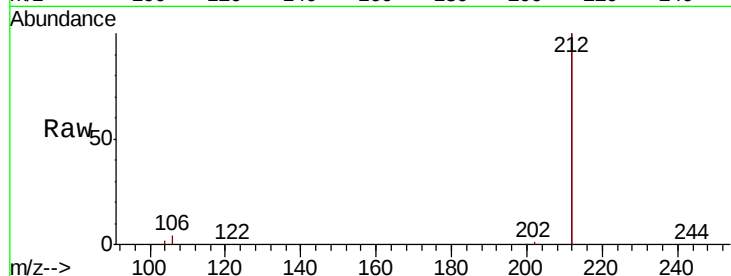




#25
 Fluoranthene-d10
 Concen: 0.345 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BE099238.D
 Acq: 27 Mar 2019 6:51

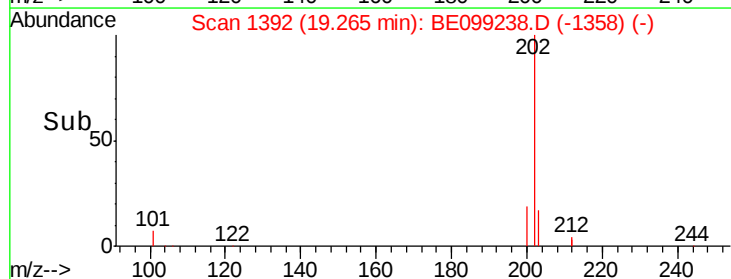
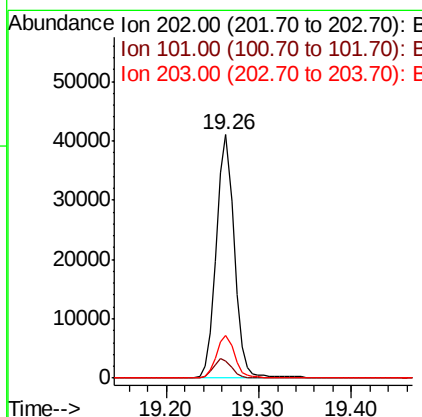
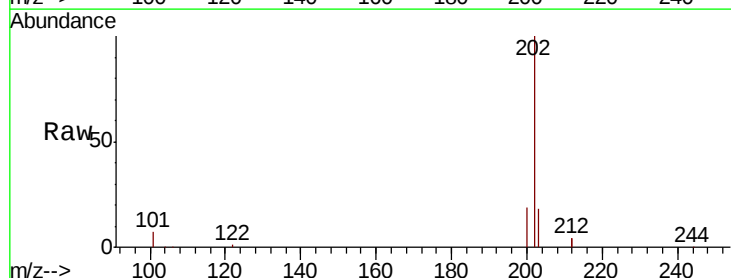
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.3	1.1	1.7



#26
 Fluoranthene
 Concen: 0.331 ng
 RT: 19.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BE099238.D
 Acq: 27 Mar 2019 6:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
203	17.3	13.8	20.6

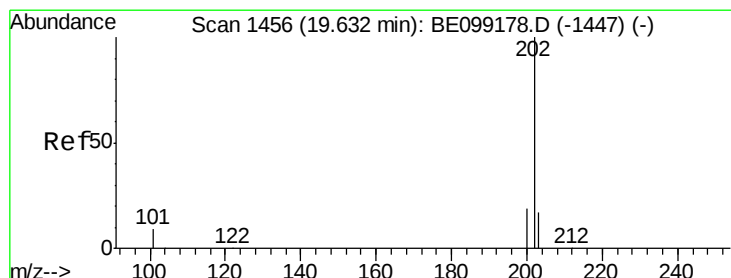
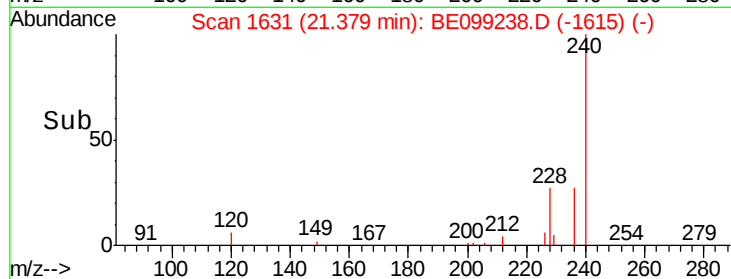
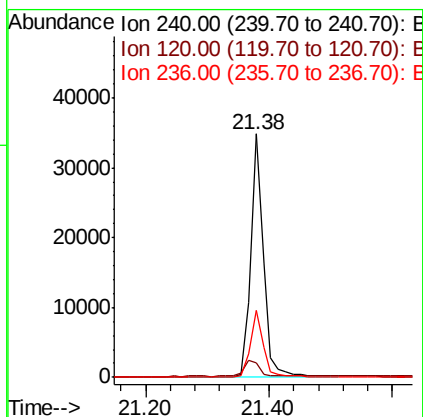
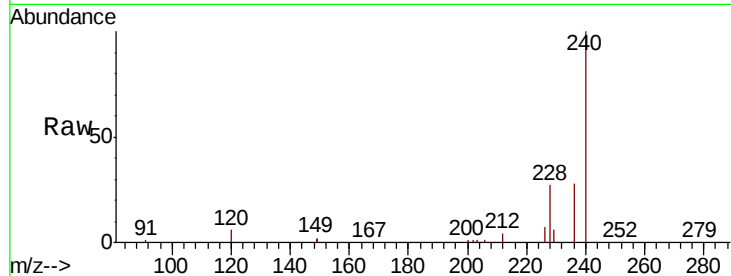




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

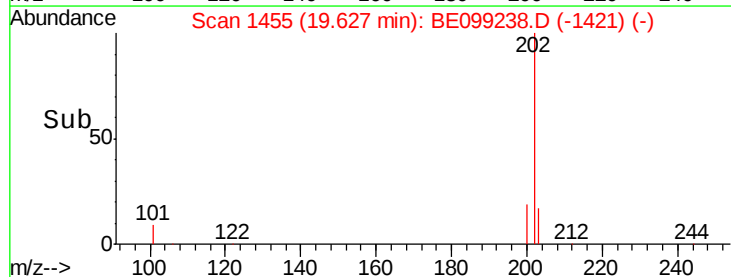
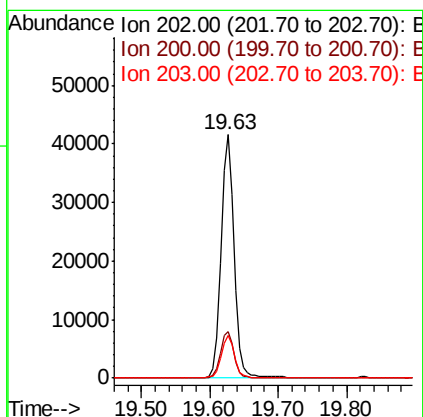
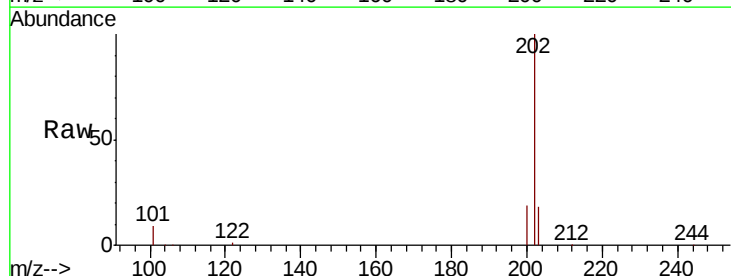
Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 49865
Ion Ratio Lower Upper
240 100
120 5.9 2.6 3.8#
236 27.6 20.9 31.3



#28
Pyrene
Concen: 0.337 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:202 Resp: 55831
Ion Ratio Lower Upper
202 100
200 19.6 15.8 23.8
203 17.4 14.1 21.1





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

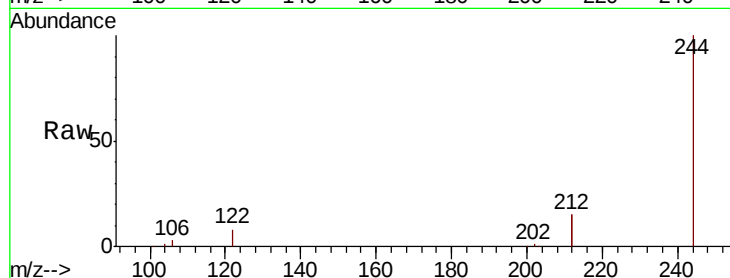
Tot Ion:244 Resp: 36131

Ion Ratio Lower Upper

244 100

212 30.1 22.7 34.1

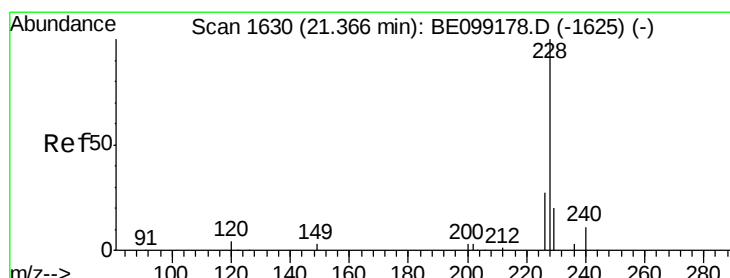
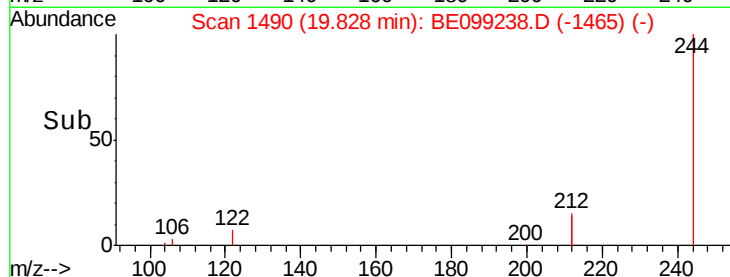
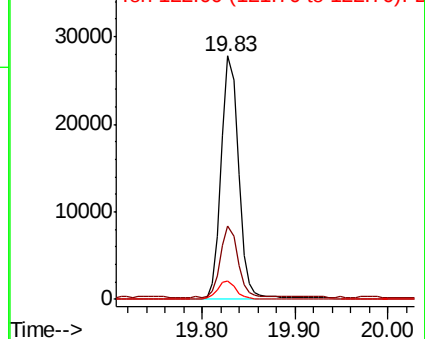
122 7.6 5.8 8.6



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: 0.324 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

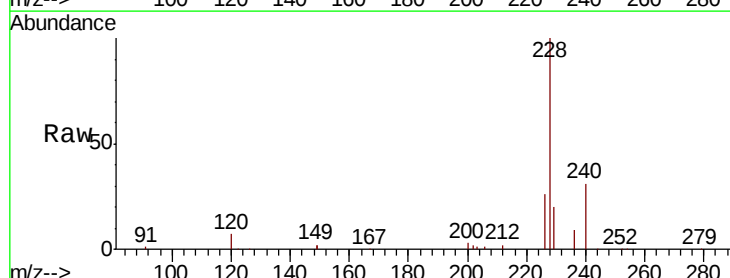
Tgt Ion:228 Resp: 53369

Ion Ratio Lower Upper

228 100

226 25.9 21.7 32.5

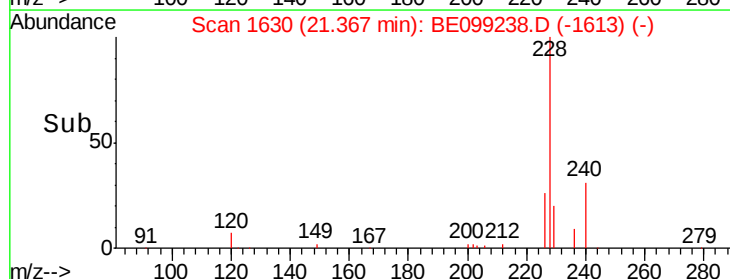
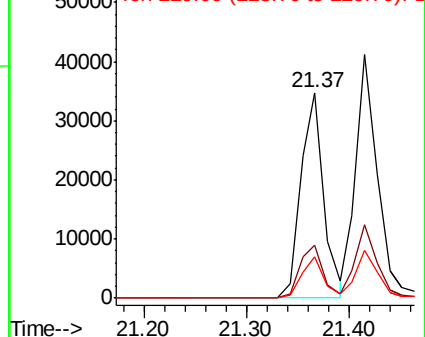
229 20.1 15.9 23.9



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: 0.338 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :

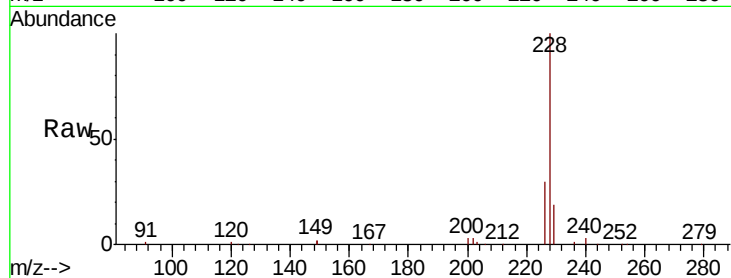
Tot Ion:228 Resp: 59395

Ion Ratio Lower Upper

228 100

226 29.9 24.8 37.2

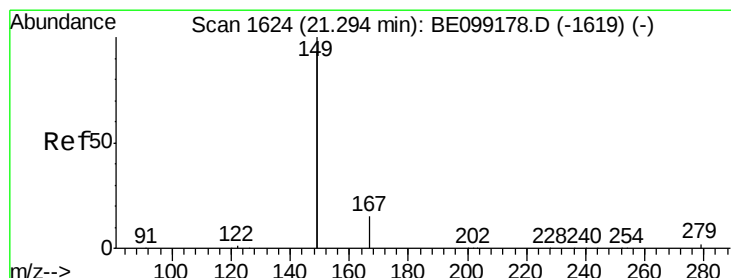
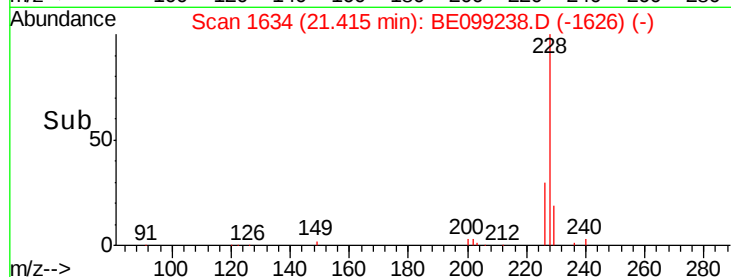
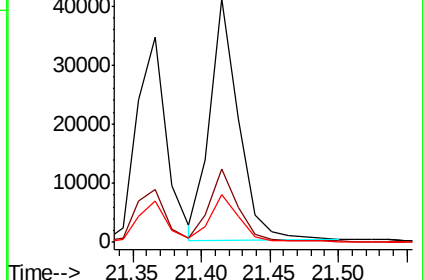
229 19.4 15.4 23.0



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: 0.293 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

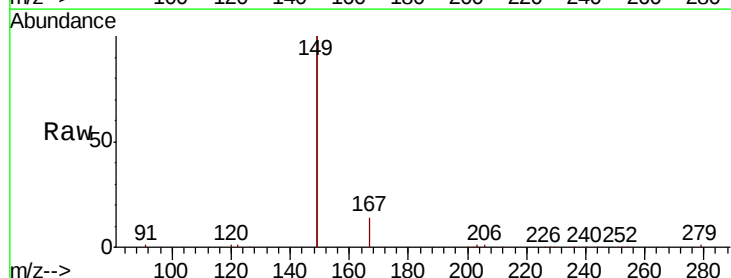
Tgt Ion:149 Resp: 57536

Ion Ratio Lower Upper

149 100

167 7.4 5.9 8.9

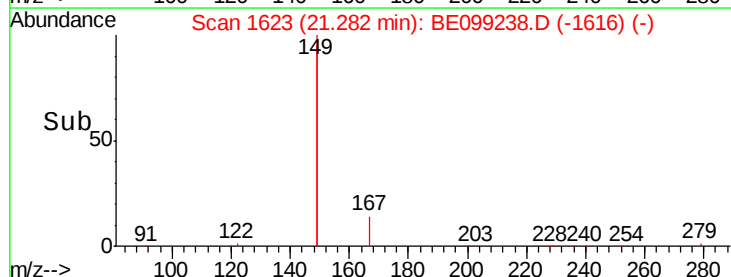
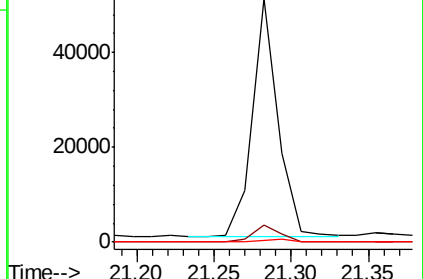
279 1.1 1.0 1.6



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

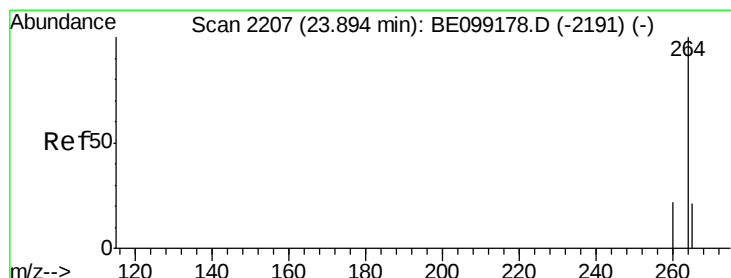
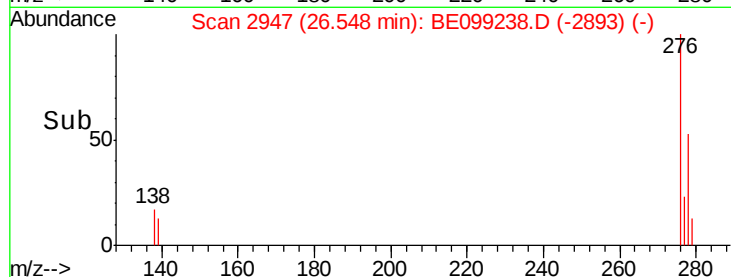
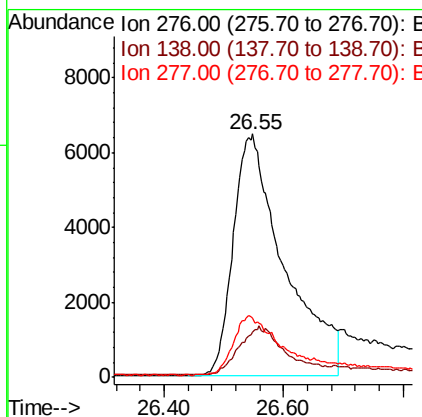
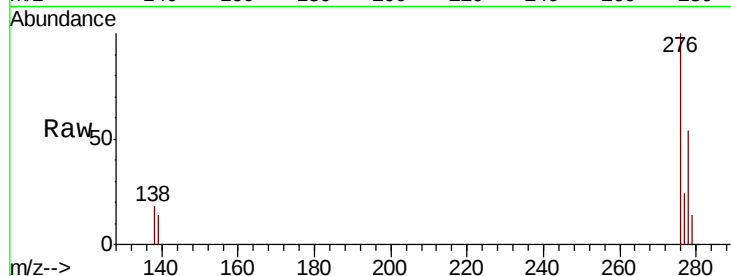




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.229 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

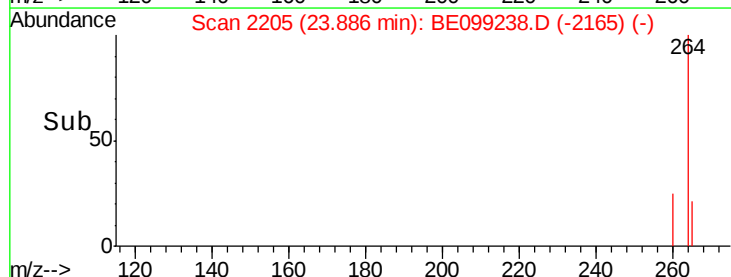
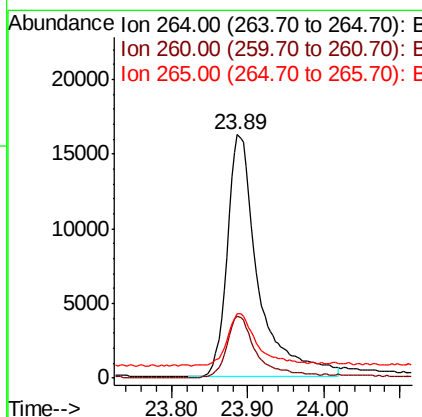
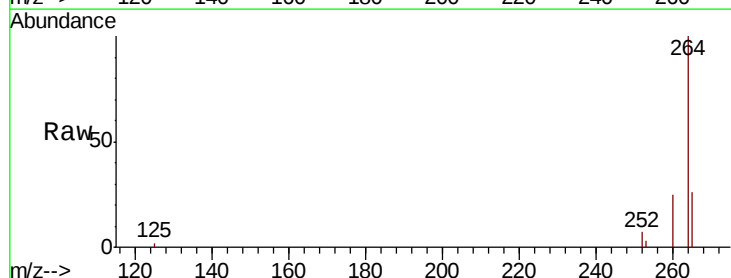
Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 38184
Ion Ratio Lower Upper
276 100
138 9.3 12.9 19.3#
277 24.7 18.3 27.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:264 Resp: 46061
Ion Ratio Lower Upper
264 100
260 25.5 18.2 27.2
265 26.2 21.8 32.8

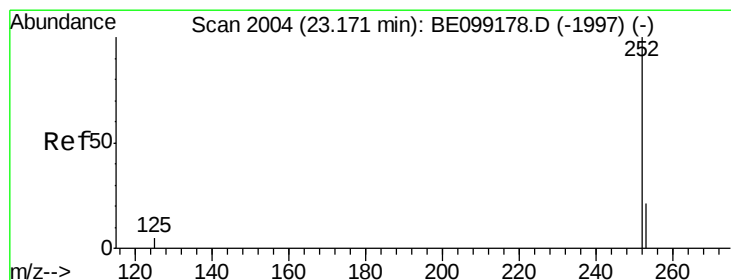
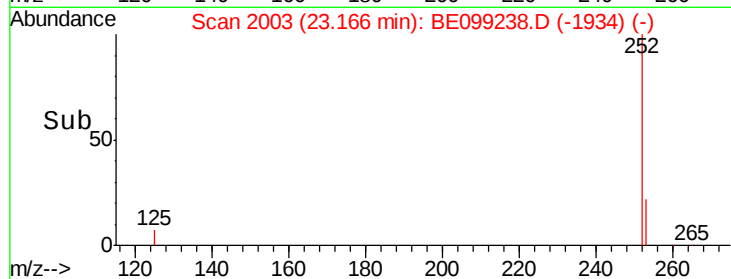
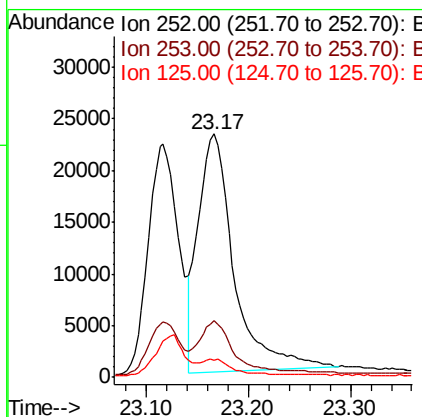
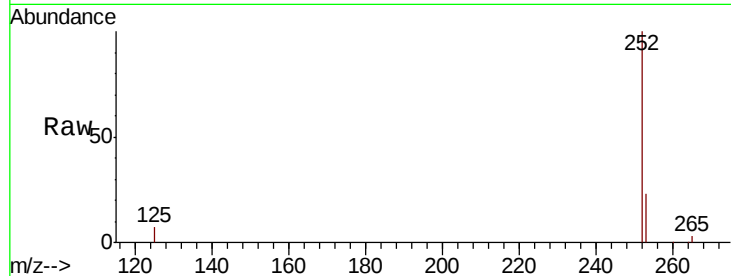




#35
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 23.17 min Scan# 2003
Delta R.T. 0.05 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

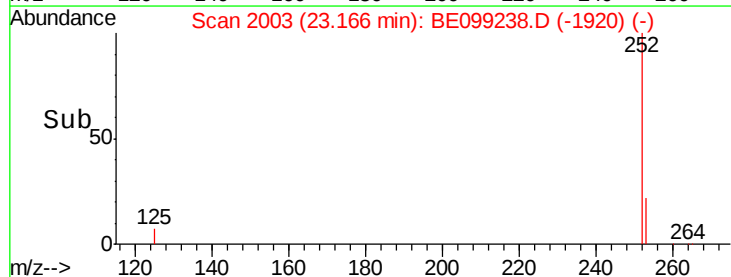
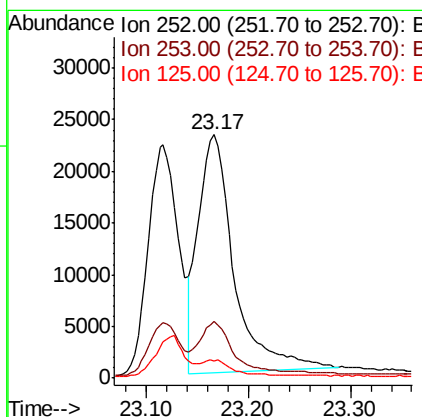
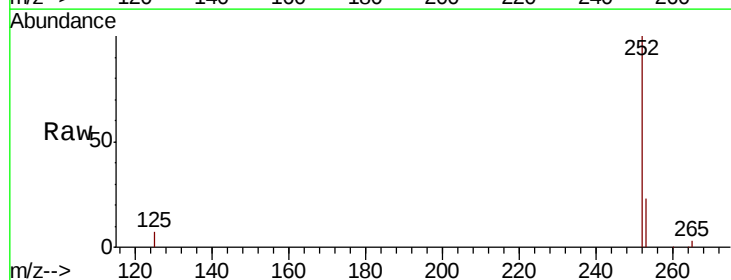
Instrument :
BNA_E
ClientSampleId :

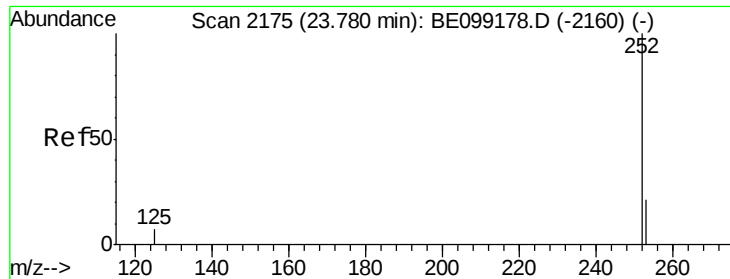
Tot Ion:252 Resp: 55670
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 7.3 6.1 9.1



#36
Benzo(k)fluoranthene
Concen: 0.347 ng
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:252 Resp: 55670
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 7.3 5.9 8.9

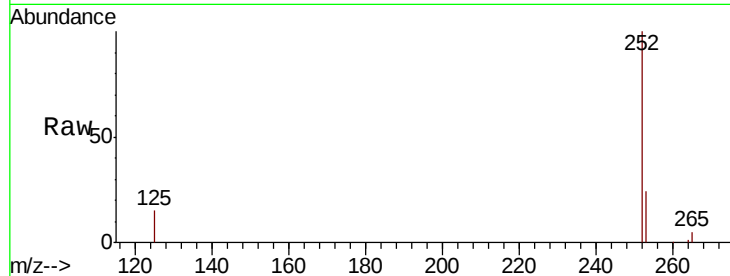




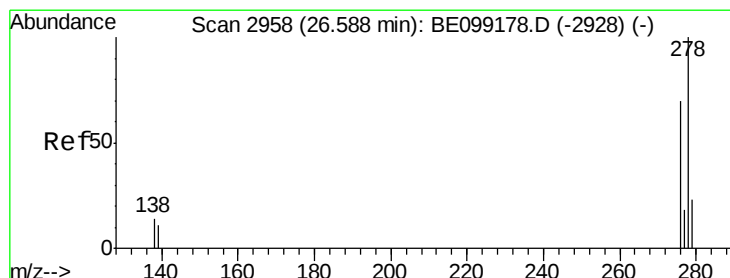
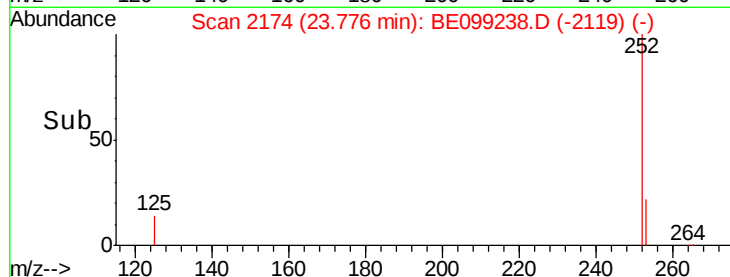
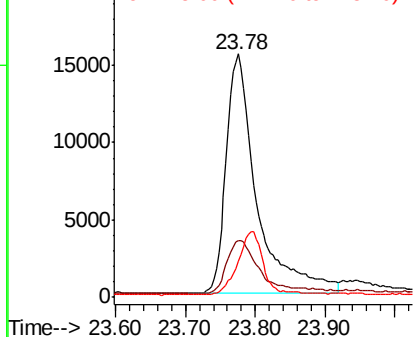
#37
Benzo(a)pyrene
Concen: 0.336 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 47555
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 14.8 6.8 10.2#

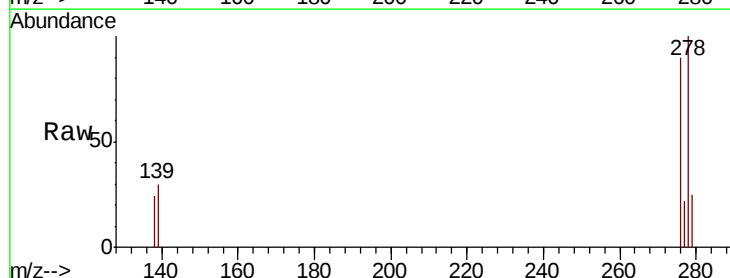


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

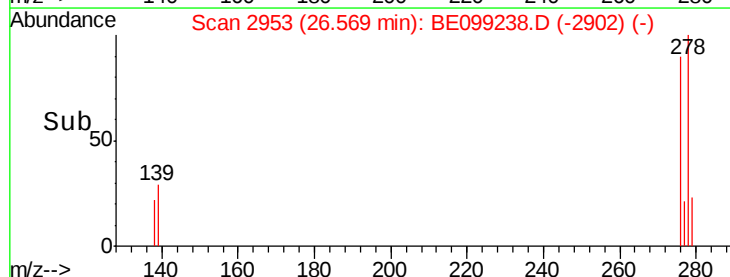
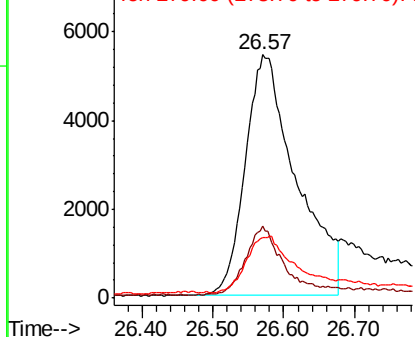


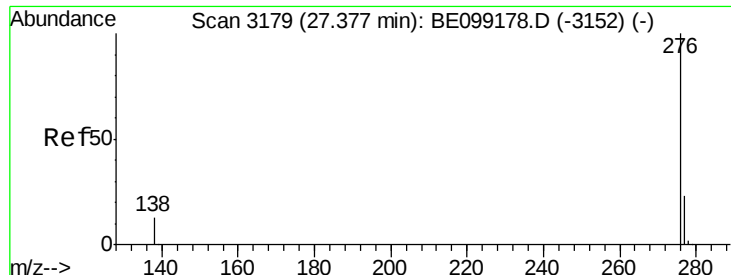
#38
Dibenzo(a,h)anthracene
Concen: 0.219 ng
RT: 26.57 min Scan# 2953
Delta R.T. -0.02 min
Lab File: BE099238.D
Acq: 27 Mar 2019 6:51

Tgt Ion:278 Resp: 27519
Ion Ratio Lower Upper
278 100
139 29.7 9.5 14.3#
279 24.7 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: 0.240 ng

RT: 27.36 min Scan# 3176

Delta R.T. -0.01 min

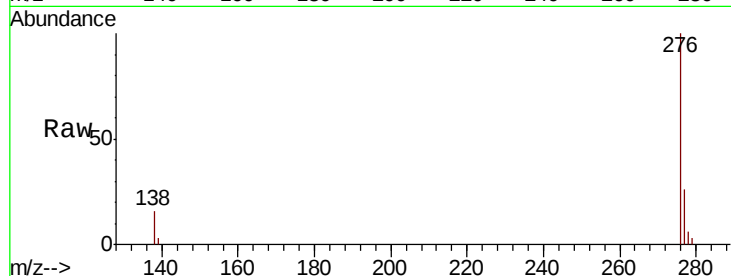
Lab File: BE099238.D

Acq: 27 Mar 2019 6:51

Instrument :

BNA_E

ClientSampleId :



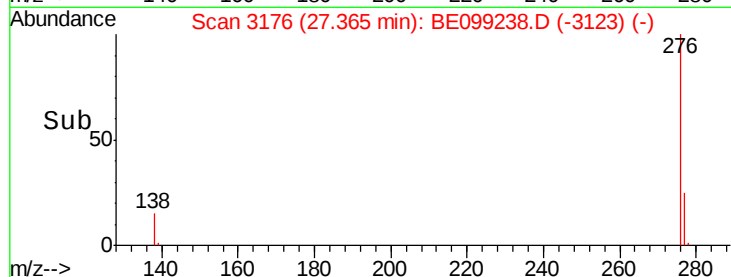
Tot Ion: 276 Resp: 30265

Ion Ratio Lower Upper

276 100

277 25.8 19.0 28.4

138 16.5 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

