

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051019\
 Data File : BE099599.D
 Acq On : 10 May 2019 15:19
 Operator : JU/SJ
 Sample : PB119621BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 11 01:01:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 13:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2214	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	7401	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4789	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	12810	0.40	ng	0.00
27) Chrysene-d12	21.43	240	19383	0.40	ng	0.00
34) Perylene-d12	23.97	264	23052	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	2025	0.33	ng	0.00
5) Phenol-d6	6.97	99	2824	0.36	ng	0.00
8) Nitrobenzene-d5	8.98	82	2362	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5647	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	765	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	6314	0.34	ng	0.00
25) Fluoranthene-d10	19.27	212	57768	0.34	ng	0.00
29) Terphenyl-d14	19.87	244	12703	0.37	ng	0.00

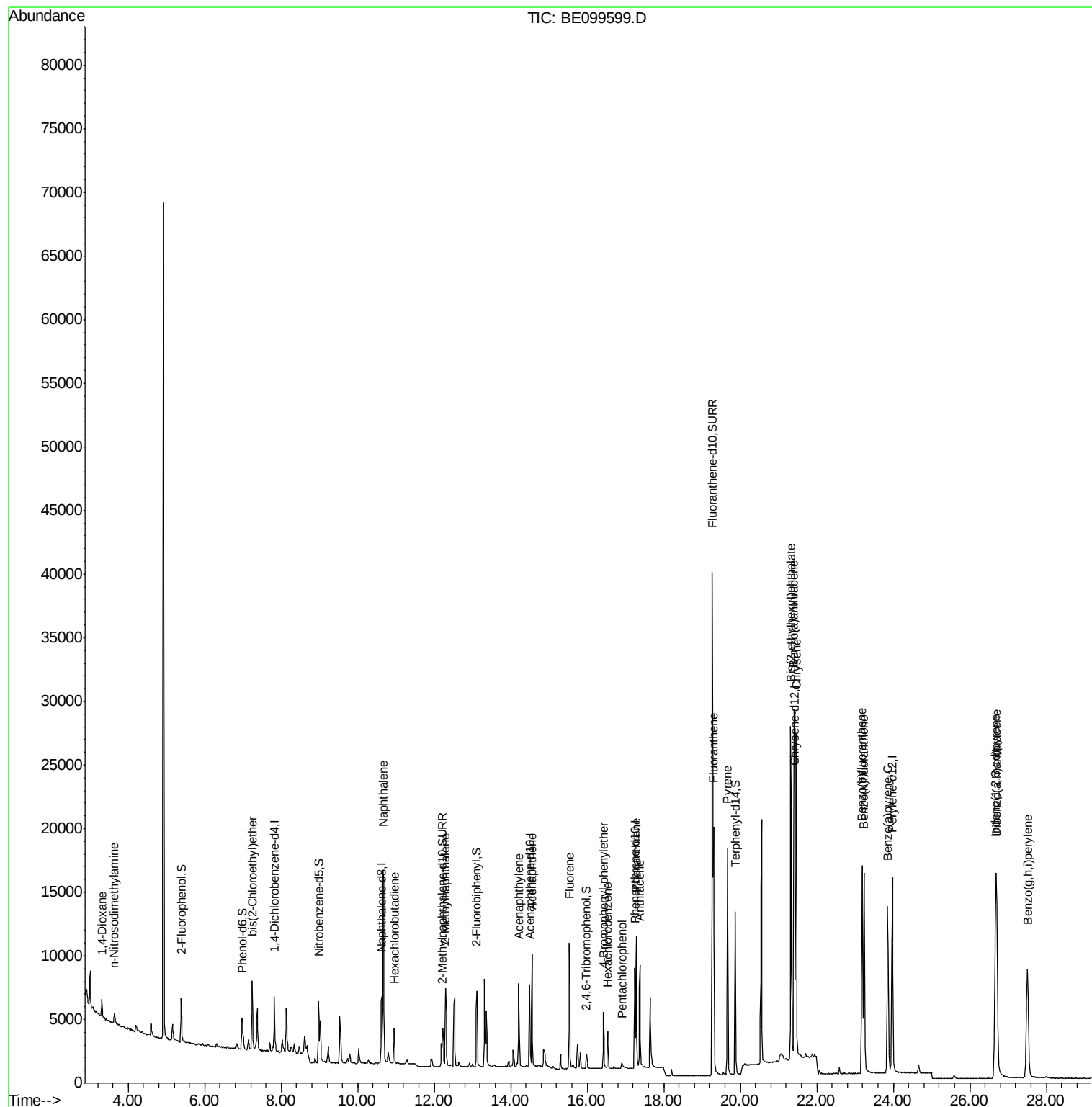
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	920	0.295	ng	# 65
3) n-Nitrosodimethylamine	3.63	42	683	0.353	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	2211	0.334	ng	97
9) Naphthalene	10.67	128	28586	0.362	ng	99
10) Hexachlorobutadiene	10.95	225	1974	0.347	ng	98
12) 2-Methylnaphthalene	12.30	142	4662	0.362	ng	99
16) Acenaphthylene	14.21	152	7447	0.321	ng	99
17) Acenaphthene	14.56	154	4363	0.337	ng	99
18) Fluorene	15.53	166	6114	0.331	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	2475	0.339	ng	100
21) Hexachlorobenzene	16.53	284	2533	0.345	ng	99
22) Pentachlorophenol	16.91	266	537	0.380	ng	99
23) Phenanthrene	17.28	178	11094	0.349	ng	100
24) Anthracene	17.38	178	10224	0.342	ng	100
26) Fluoranthene	19.30	202	17160	0.359	ng	100
28) Pyrene	19.67	202	18335	0.359	ng	99
30) Benzo(a)anthracene	21.40	228	23907	0.404	ng	98
31) Chrysene	21.46	228	22837	0.386	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	32965	0.388	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	28105	0.381	ng	100
35) Benzo(b)fluoranthene	23.18	252	24061	0.378	ng	99
36) Benzo(k)fluoranthene	23.24	252	24620	0.389	ng	99
37) Benzo(a)pyrene	23.85	252	23702	0.384	ng	99
38) Dibenzo(a,h)anthracene	26.70	278	24048	0.373	ng	100
39) Benzo(g,h,i)perylene	27.50	276	24224	0.371	ng	99

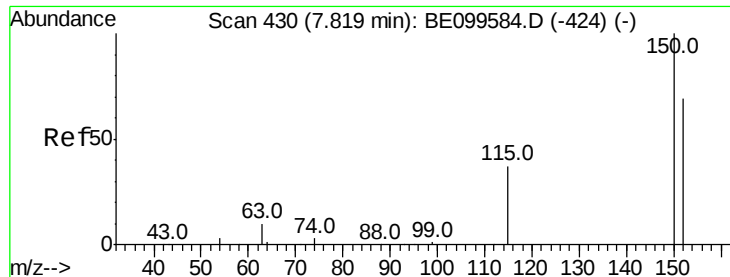
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 13:32:58 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

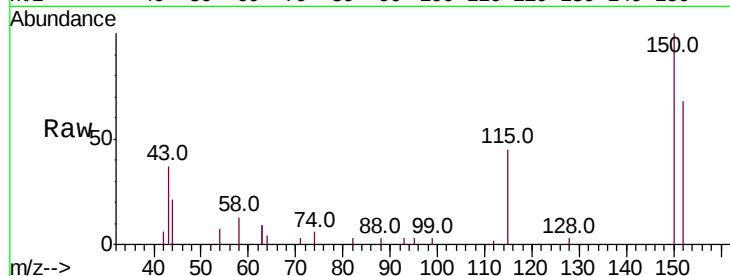
Tot Ion:152 Resp: 2214

Ion Ratio Lower Upper

152 100

150 147.4 114.2 171.4

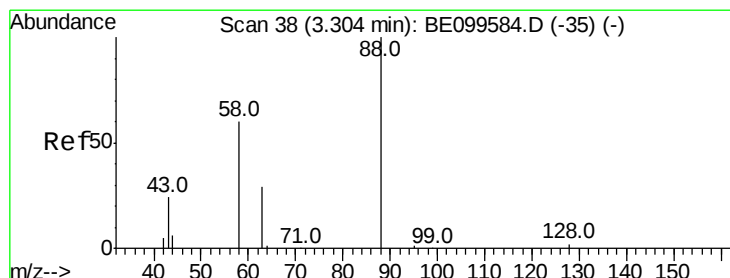
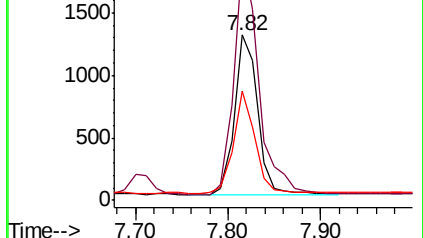
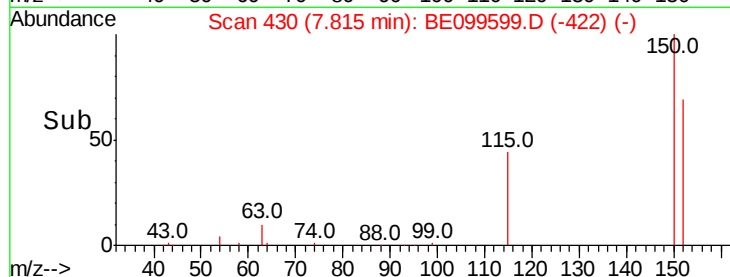
115 66.2 45.4 68.0



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: 0.295 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

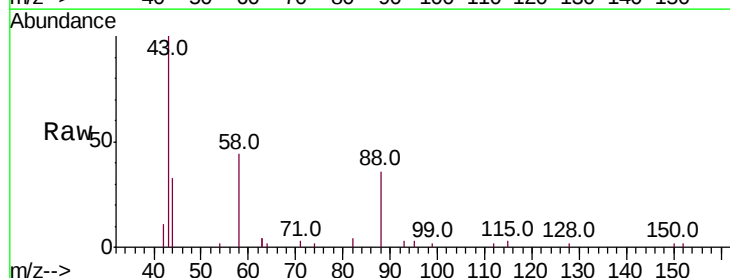
Tgt Ion: 88 Resp: 920

Ion Ratio Lower Upper

88 100

58 69.9 41.3 61.9#

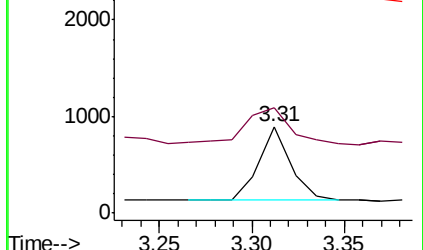
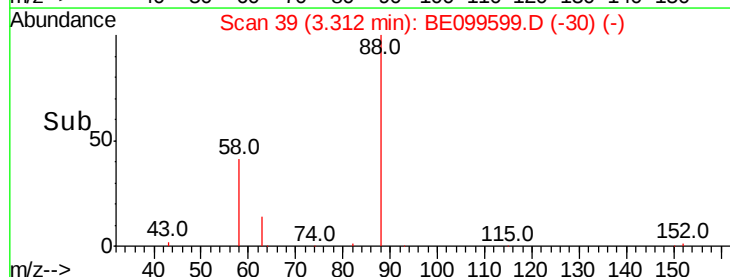
43 52.8 21.0 31.6#

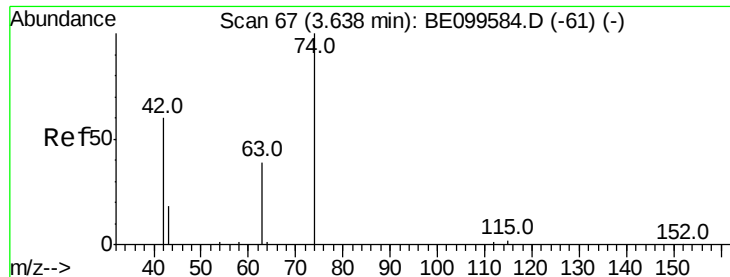


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



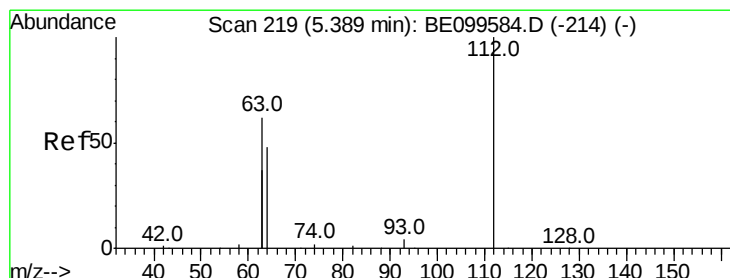
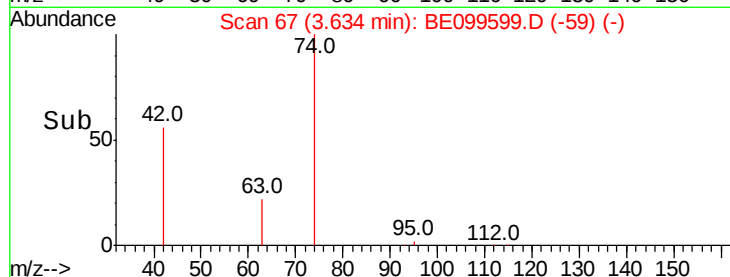
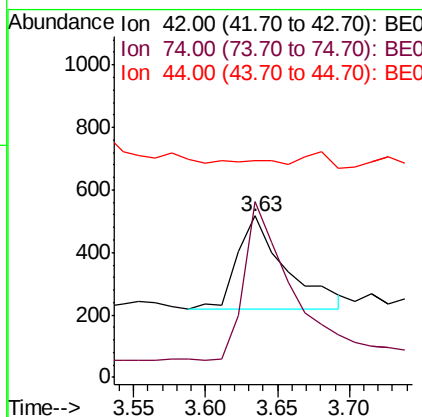
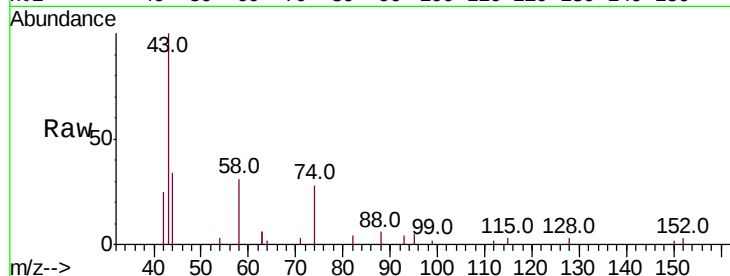


#3

n-Nitrosodimethylamine
 Concen: 0.353 ng
 RT: 3.63 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Instrument :
 BNA_E
 ClientSampleId :

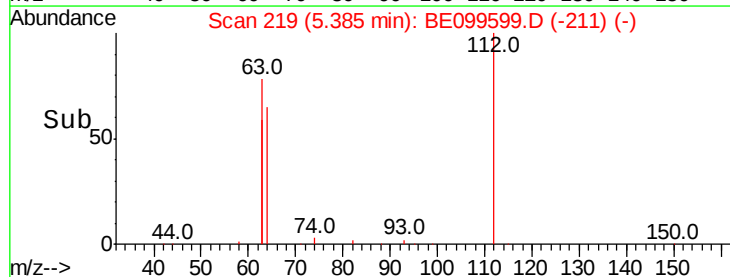
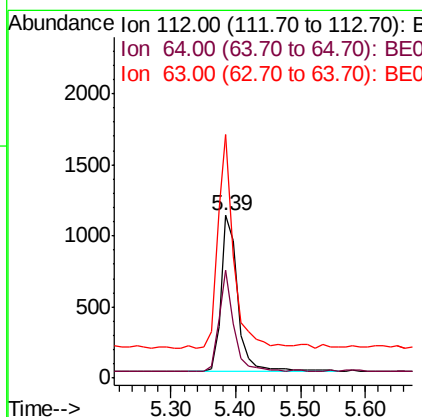
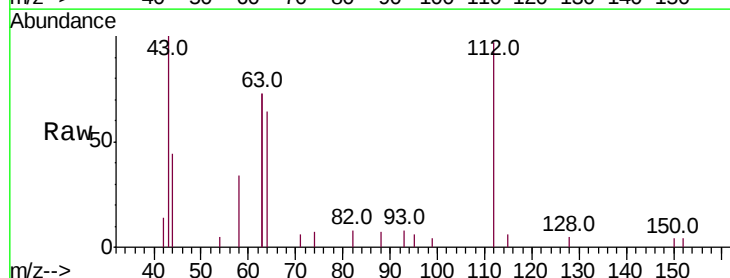
Tot Ion	42	Resp	683
Ion Ratio	Lower	Upper	
42	100		
74	167.3	136.9	205.3
44	0.0	7.1	10.7#

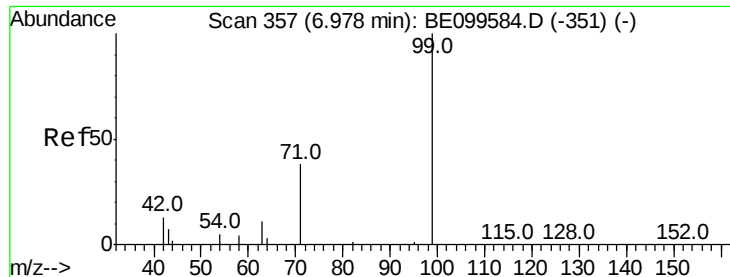


#4

2-Fluorophenol
 Concen: 0.334 ng
 RT: 5.39 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Tgt Ion	112	Resp	2025
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
112	100		
64	56.7	46.2	69.4
63	130.1	100.2	150.4





#5

Phenol-d6

Concen: 0.355 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

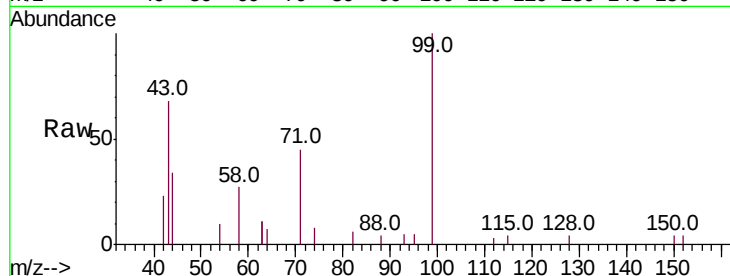
Tot Ion: 99 Resp: 2824

Ion Ratio Lower Upper

99 100

42 15.2 13.8 20.8

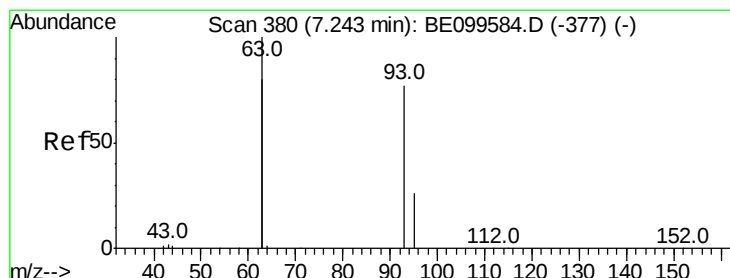
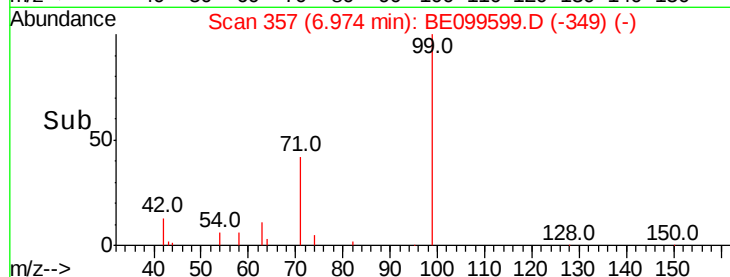
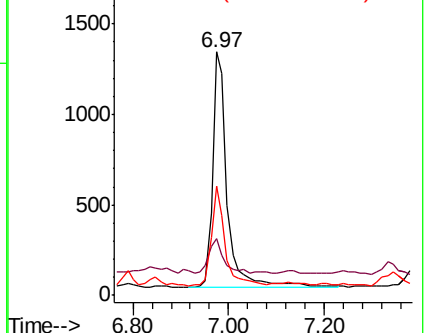
71 38.5 32.2 48.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.334 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

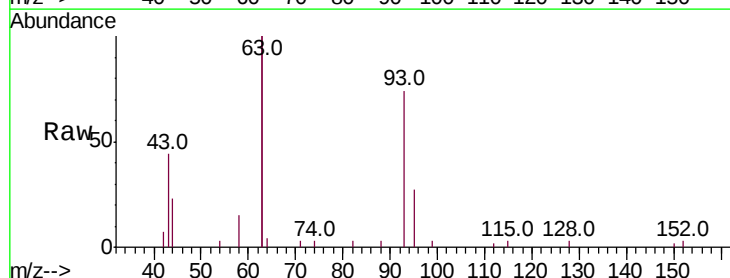
Tgt Ion: 93 Resp: 2211

Ion Ratio Lower Upper

93 100

63 271.2 213.4 320.0

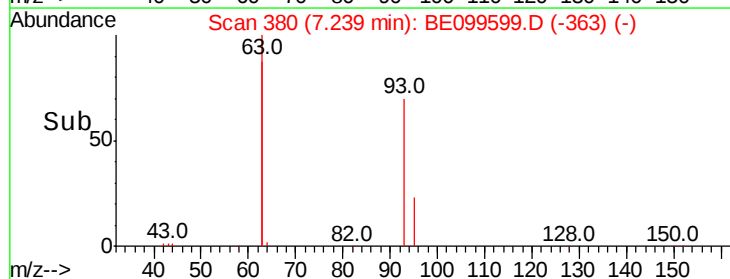
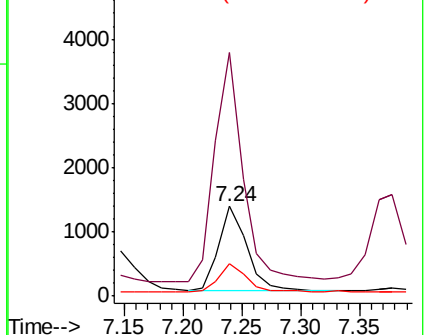
95 33.6 24.9 37.3

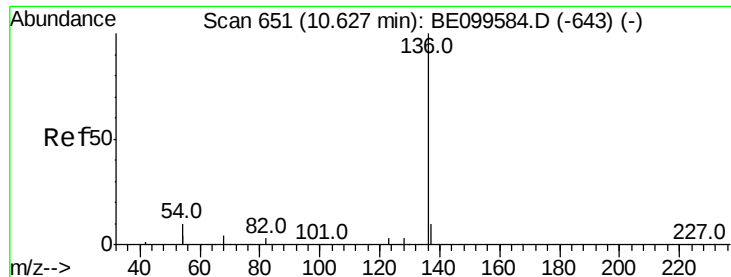


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7401

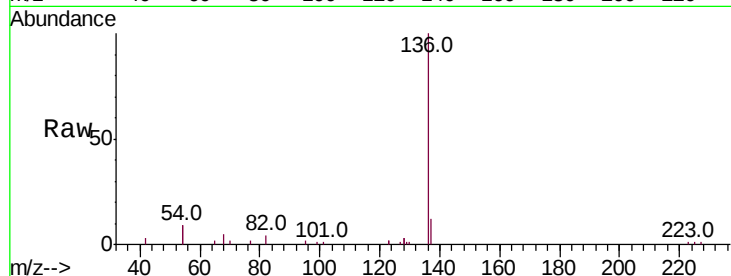
Ion Ratio Lower Upper

136 100

137 11.8 9.1 13.7

54 17.9 16.5 24.7

68 4.6 4.5 6.7

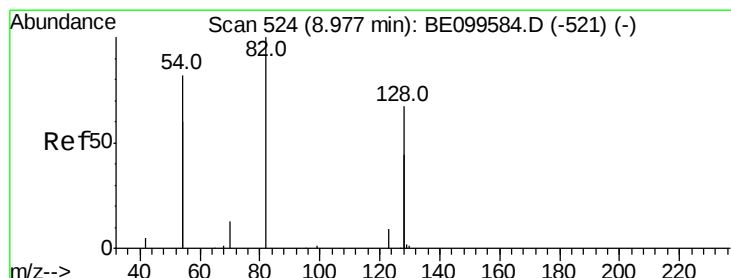
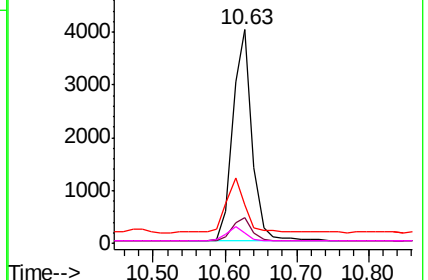
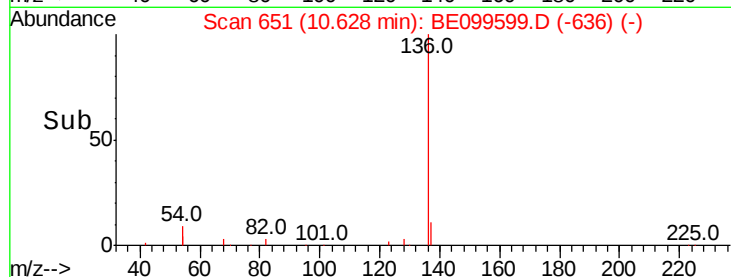


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.340 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

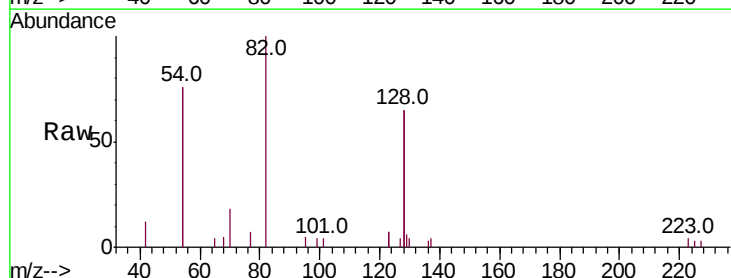
Tgt Ion: 82 Resp: 2362

Ion Ratio Lower Upper

82 100

128 129.0 101.5 152.3

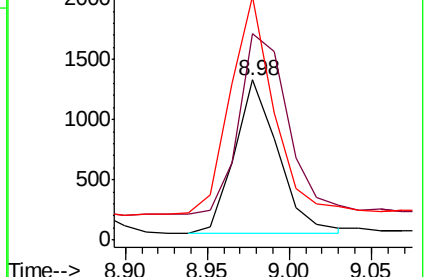
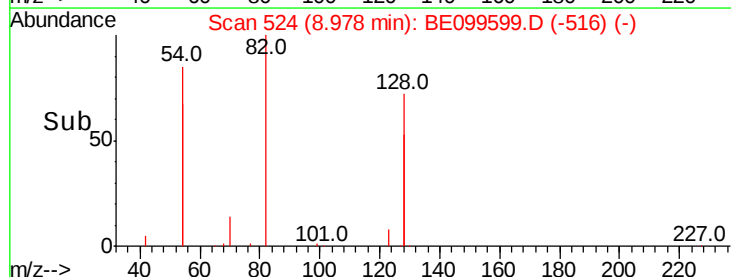
54 152.4 123.8 185.6

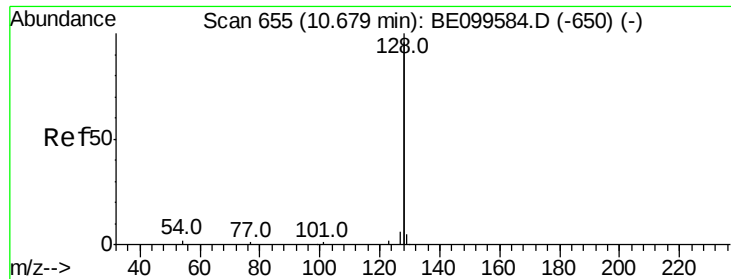


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.362 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

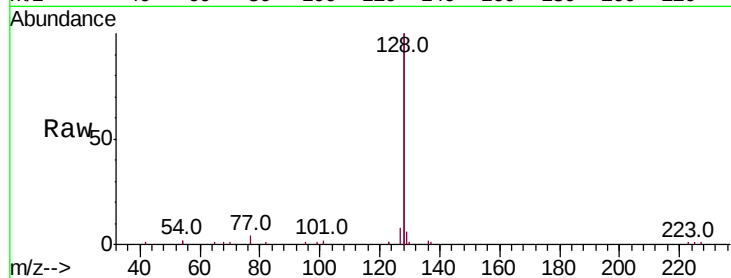
Tot Ion:128 Resp: 28586

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

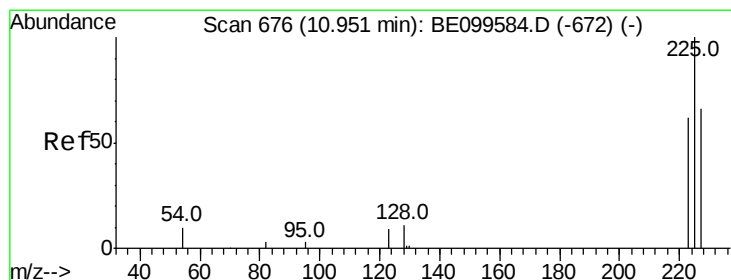
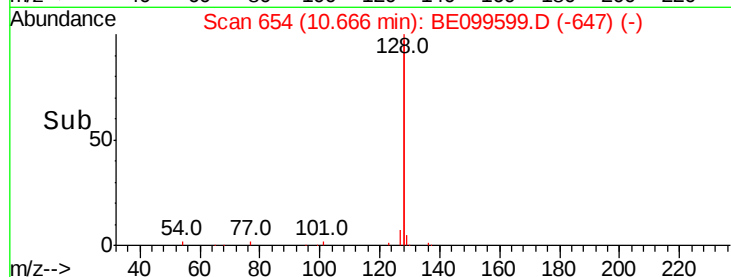
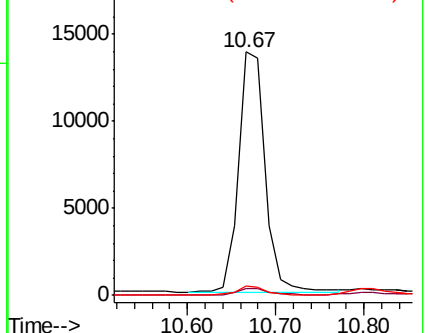
127 3.9 2.8 4.2



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: 0.347 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

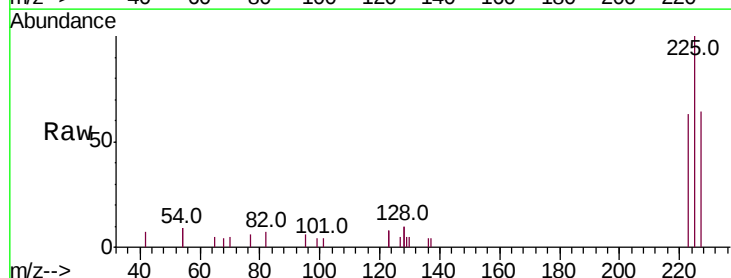
Tgt Ion:225 Resp: 1974

Ion Ratio Lower Upper

225 100

223 64.3 49.6 74.4

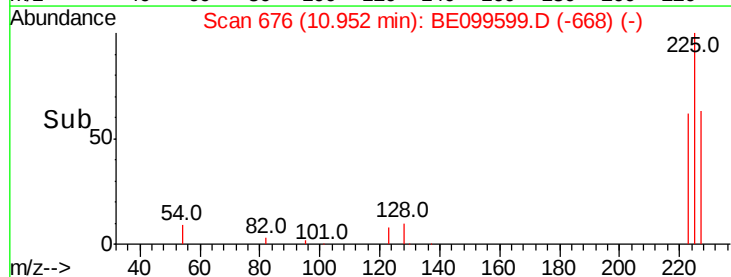
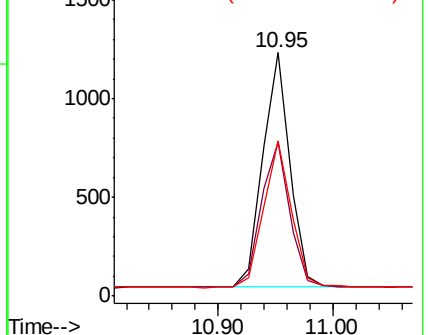
227 63.7 50.1 75.1

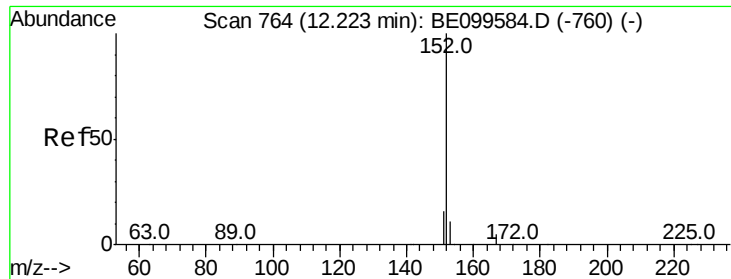


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

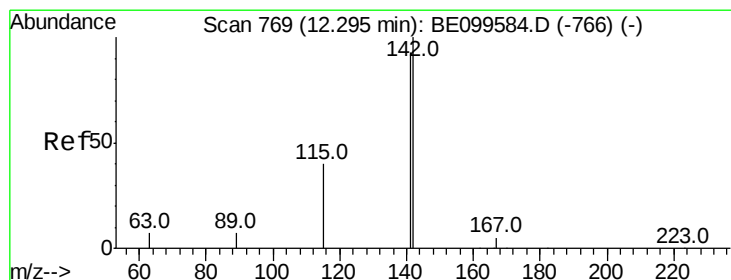
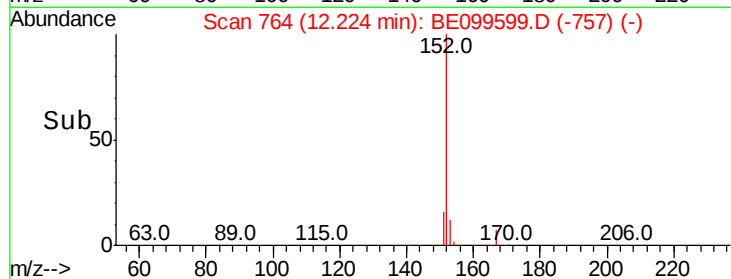
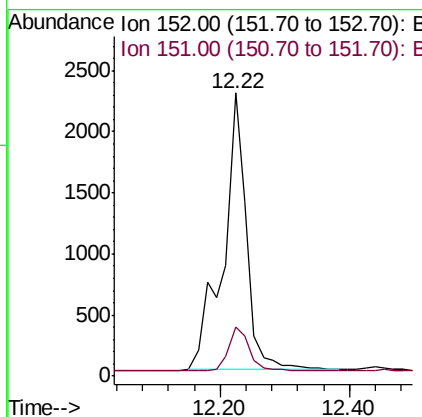
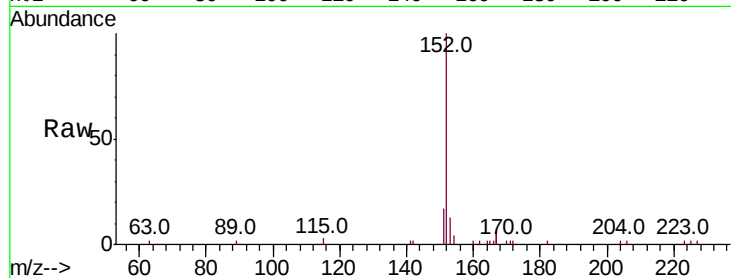




#11
 2-Methylnaphthalene-d10
 Concen: 0.456 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

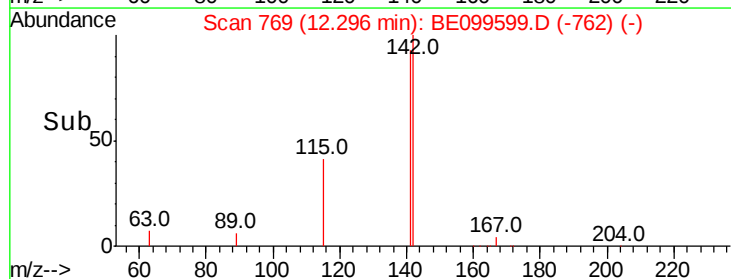
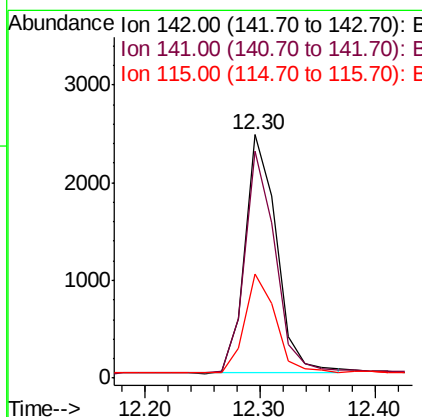
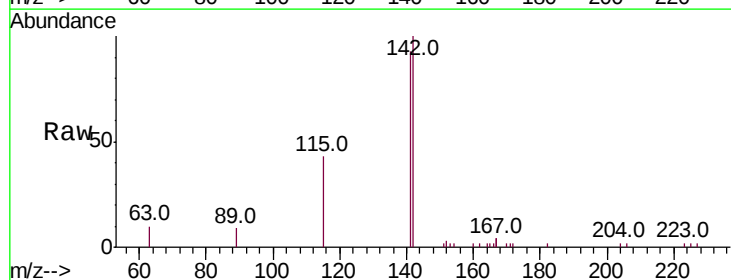
Instrument :
 BNA_E
 ClientSampleId :

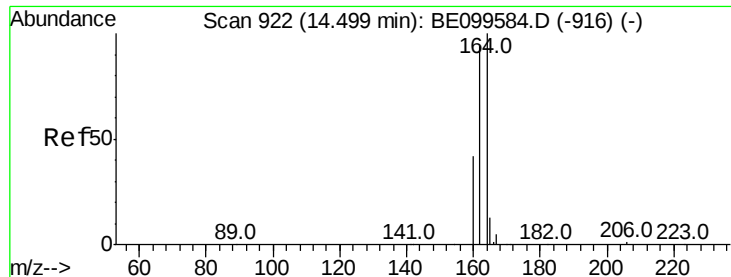
Tot Ion:152 Resp: 5647
 Ion Ratio Lower Upper
 152 100
 151 13.4 16.2 24.2#



#12
 2-Methylnaphthalene
 Concen: 0.362 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Tgt Ion:142 Resp: 4662
 Ion Ratio Lower Upper
 142 100
 141 93.3 75.0 112.4
 115 43.0 33.7 50.5

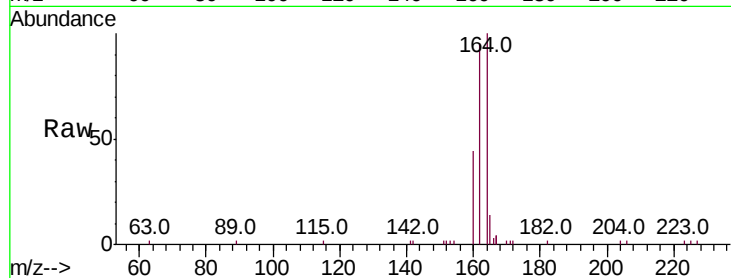




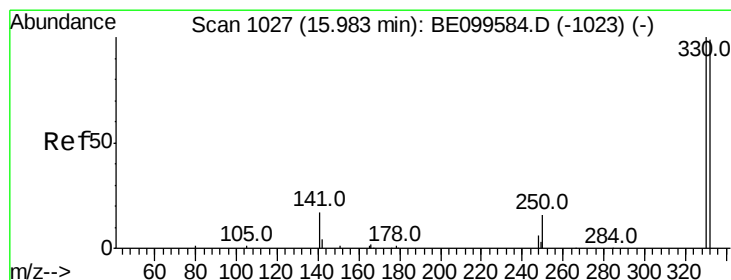
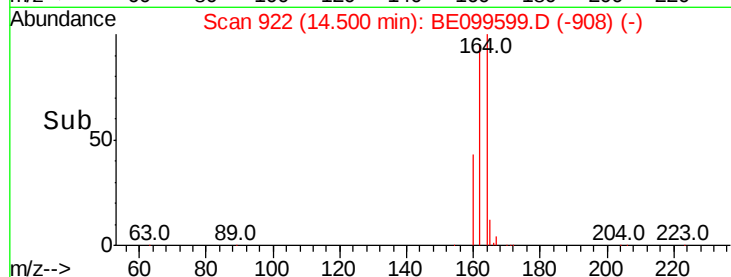
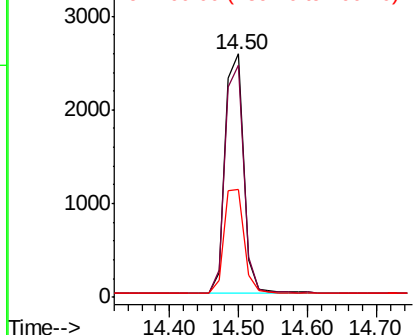
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 4789
 Ion Ratio Lower Upper
 164 100
 162 95.1 75.3 112.9
 160 44.3 34.7 52.1

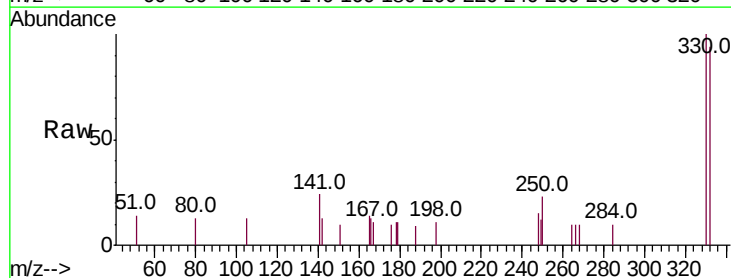


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

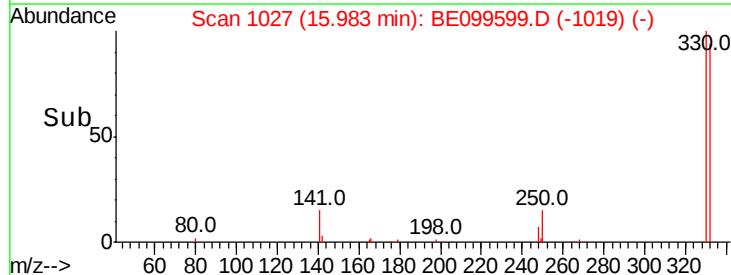
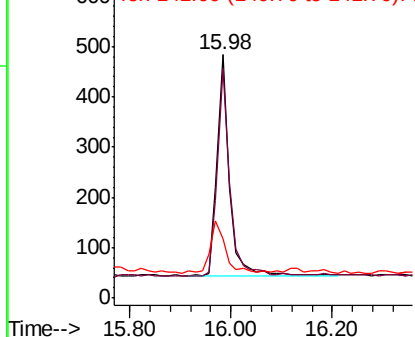


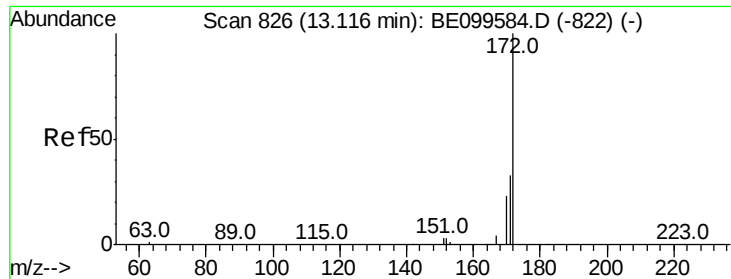
#14
 2,4,6-Tribromophenol
 Concen: 0.269 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Tgt Ion:330 Resp: 765
 Ion Ratio Lower Upper
 330 100
 332 91.5 78.7 118.1
 141 26.3 22.3 33.5



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

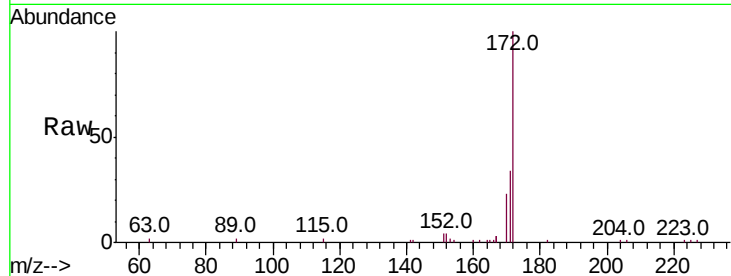




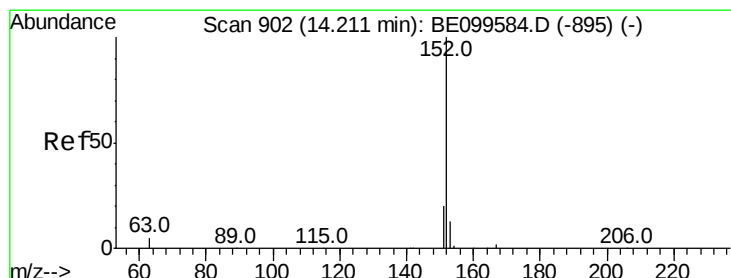
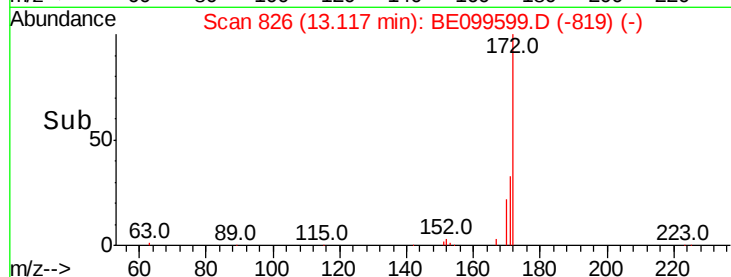
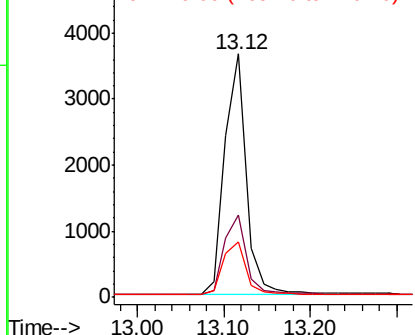
#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 6314
Ion Ratio Lower Upper
172 100
171 33.9 27.5 41.3
170 23.0 19.1 28.7

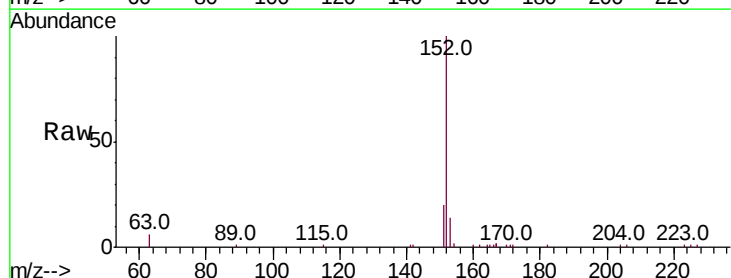


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

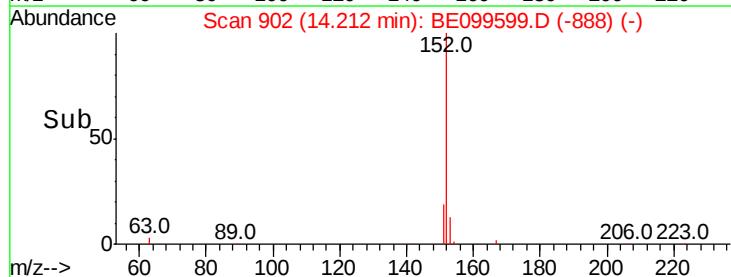
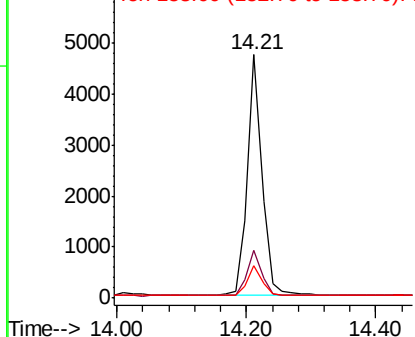


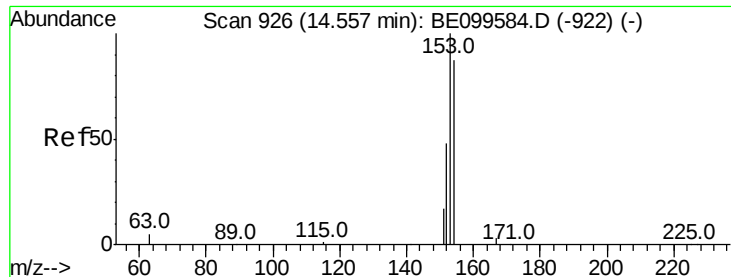
#16
Acenaphthylene
Concen: 0.321 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Tgt Ion:152 Resp: 7447
Ion Ratio Lower Upper
152 100
151 19.0 15.5 23.3
153 13.1 10.2 15.4



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

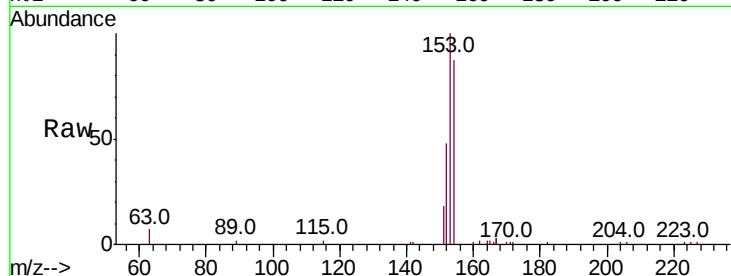




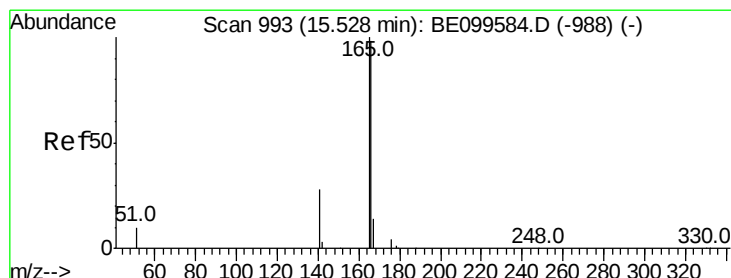
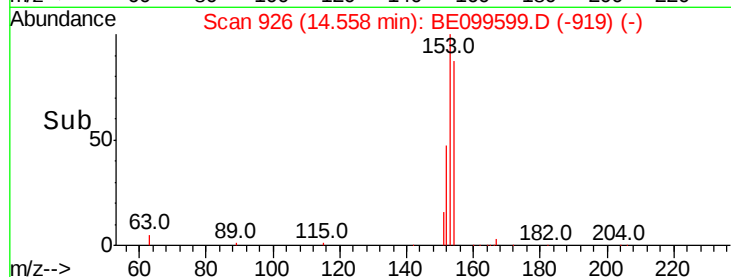
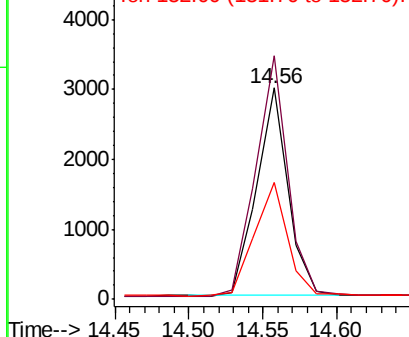
#17
Acenaphthene
Concen: 0.337 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4363
Ion Ratio Lower Upper
154 100
153 117.8 92.9 139.3
152 57.1 46.3 69.5

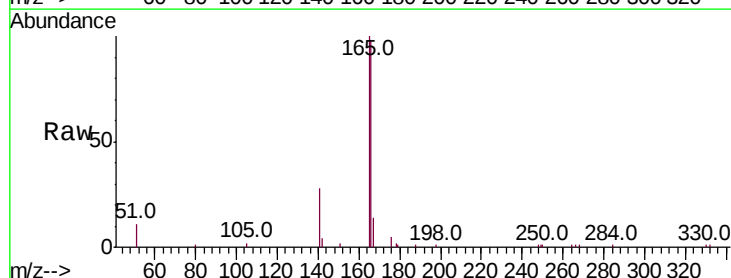


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

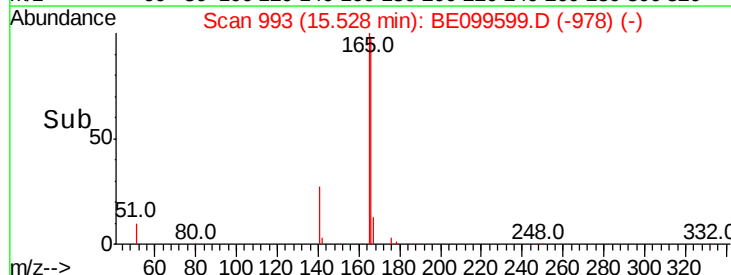
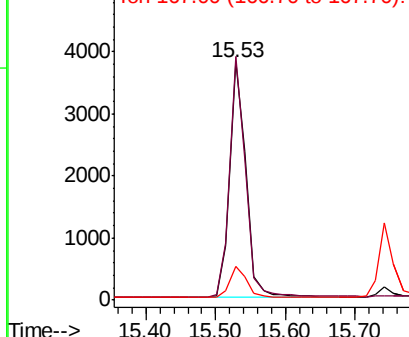


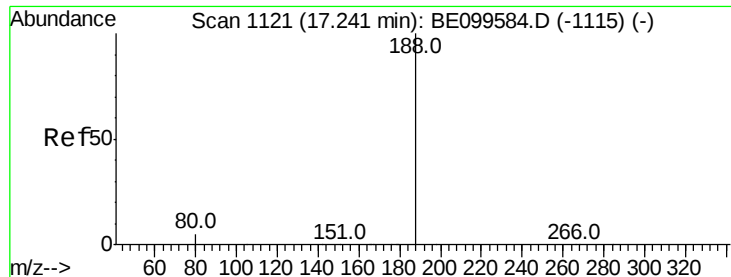
#18
Fluorene
Concen: 0.331 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Tgt Ion:166 Resp: 6114
Ion Ratio Lower Upper
166 100
165 99.8 80.5 120.7
167 14.1 11.6 17.4



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

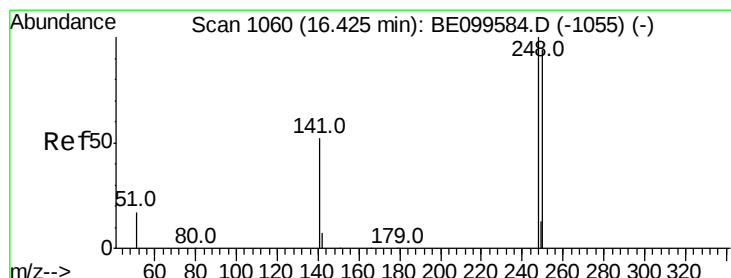
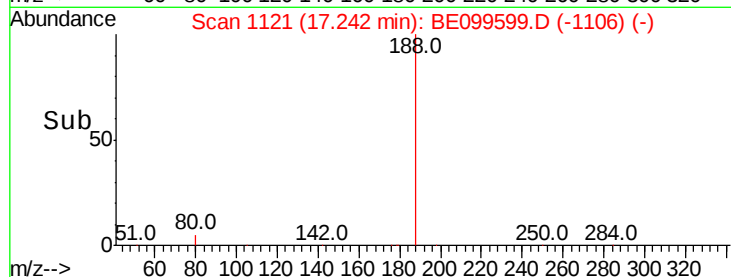
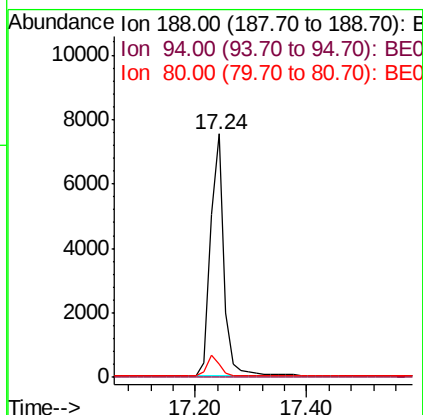
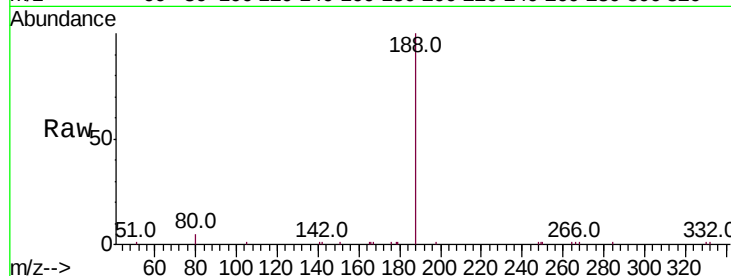




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

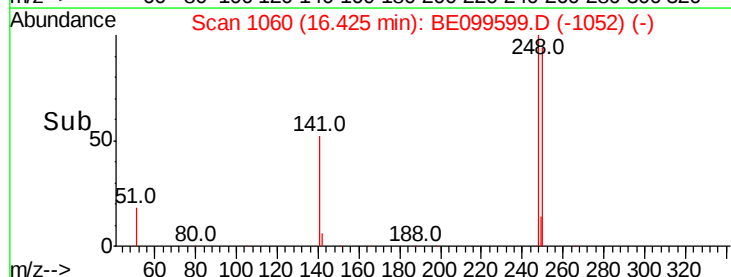
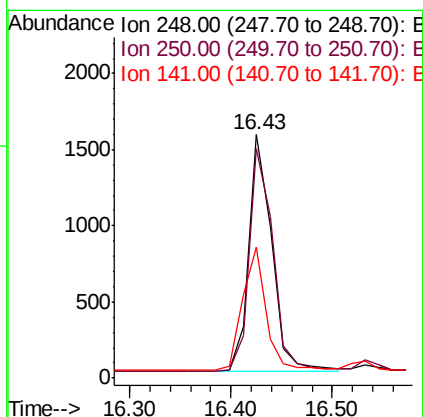
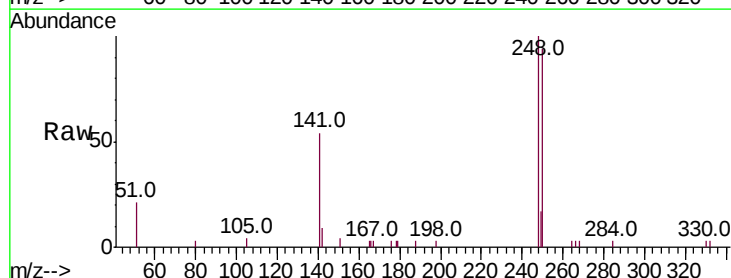
Instrument :
BNA_E
ClientSampleId :

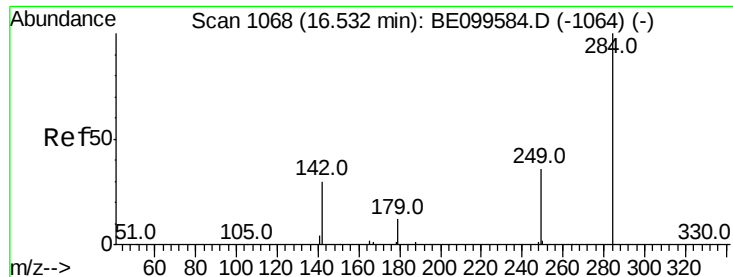
Tot Ion:188 Resp: 12810
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.3 4.4 6.6



#20
4-Bromophenyl-phenylether
Concen: 0.339 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Tgt Ion:248 Resp: 2475
Ion Ratio Lower Upper
248 100
250 94.2 75.7 113.5
141 53.9 42.9 64.3





#21

Hexachlorobenzene

Concen: 0.345 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

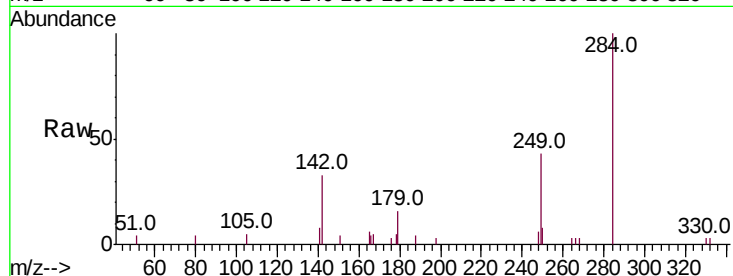
Tot Ion:284 Resp: 2533

Ion Ratio Lower Upper

284 100

142 25.5 20.6 30.8

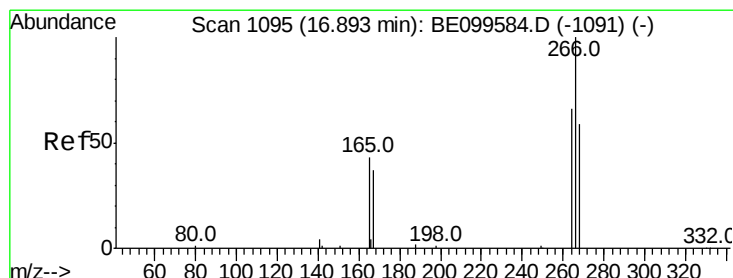
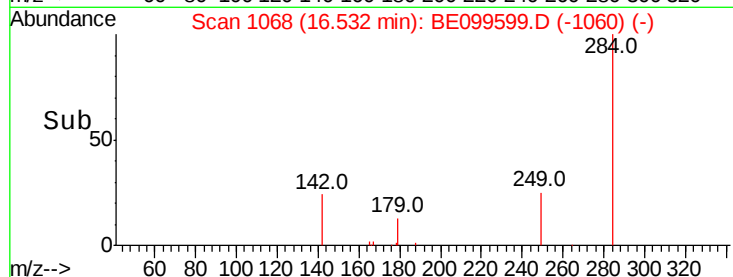
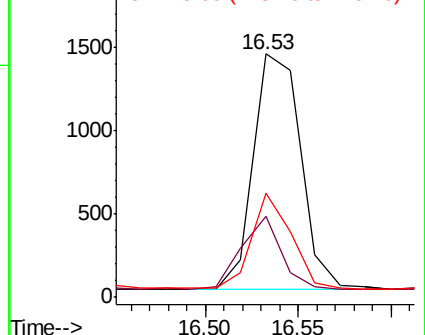
249 33.5 25.8 38.6



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: 0.380 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

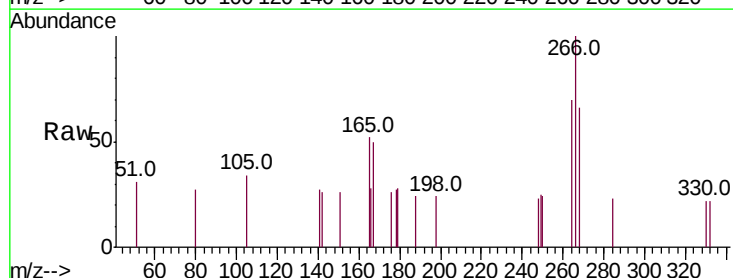
Tgt Ion:266 Resp: 537

Ion Ratio Lower Upper

266 100

264 70.4 57.3 85.9

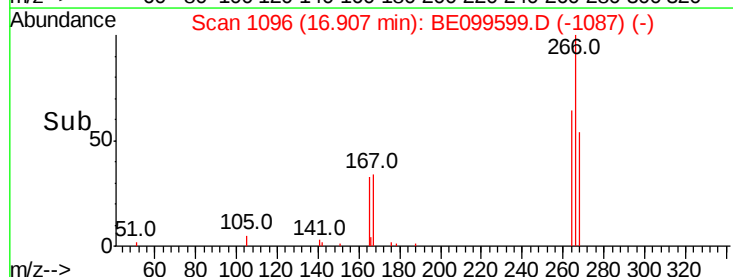
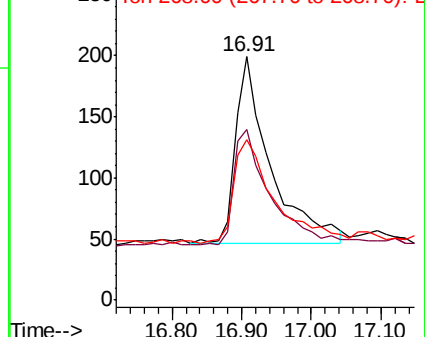
268 65.8 53.5 80.3

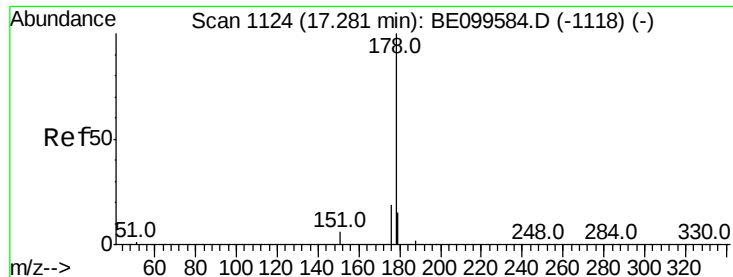


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.349 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

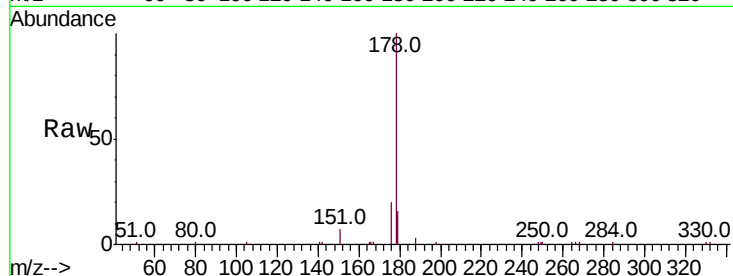
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 11094

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.5	12.2	18.2

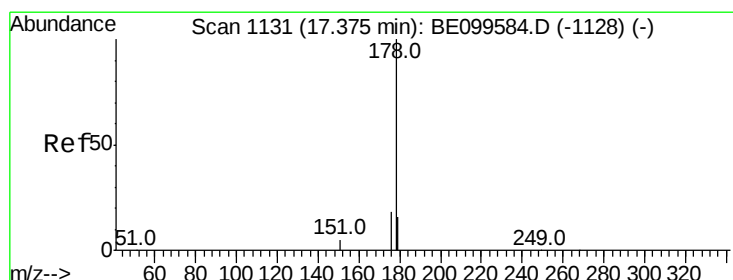
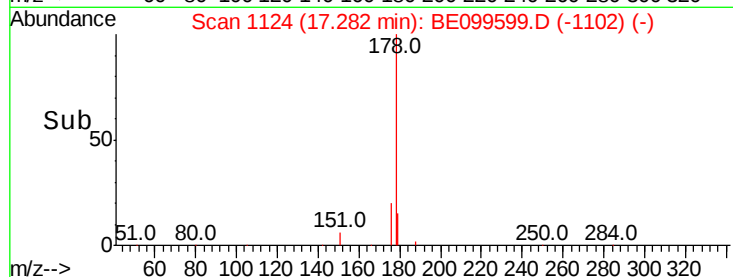
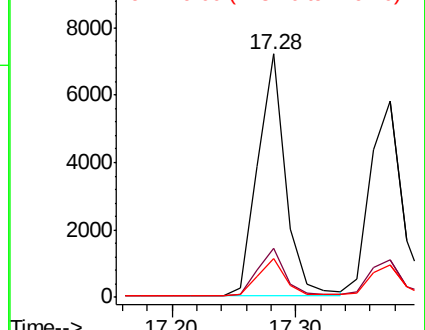


Abundance

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: 0.342 ng

RT: 17.38 min Scan# 1131

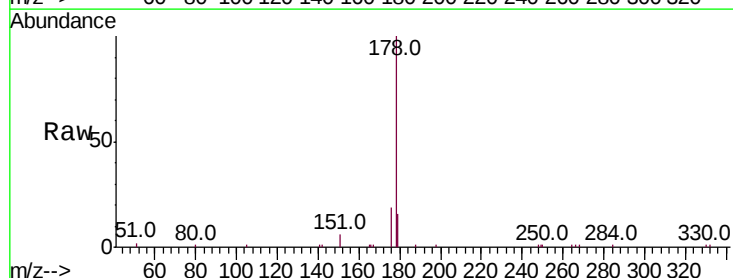
Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Tgt Ion:178 Resp: 10224

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.5	12.3	18.5

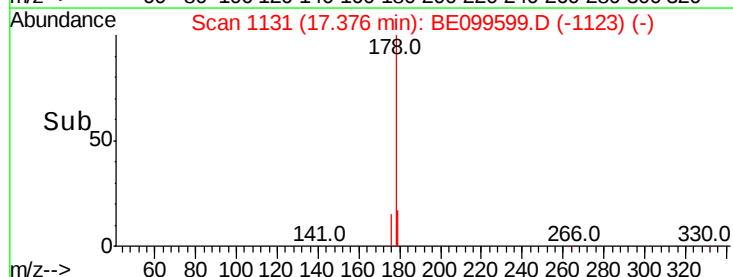
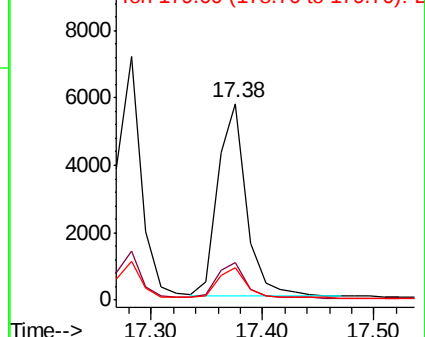


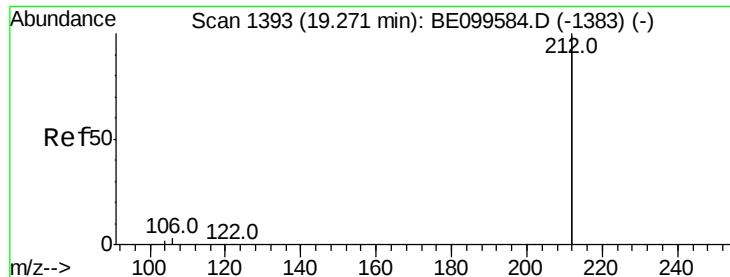
Abundance

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

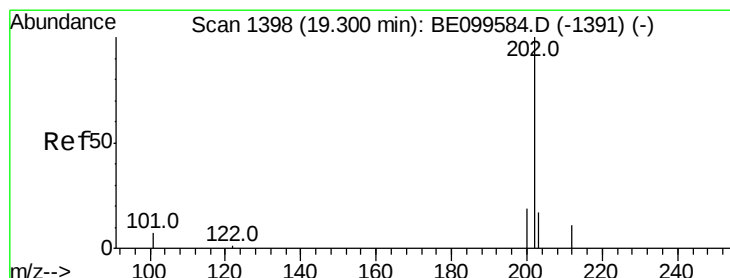
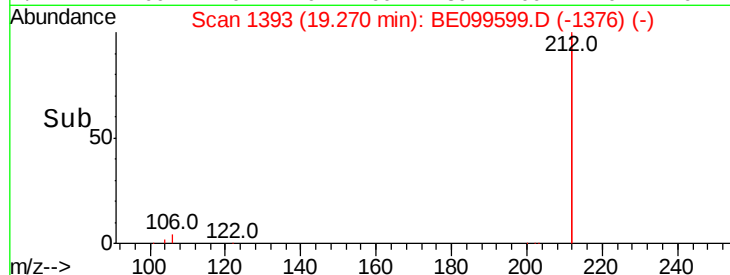
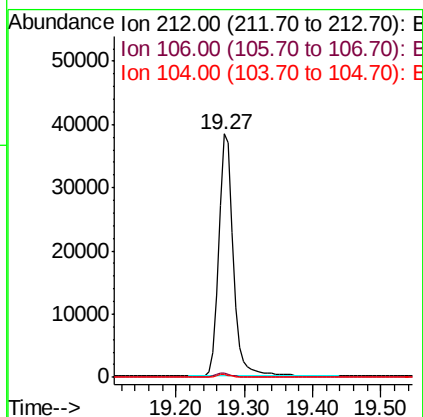
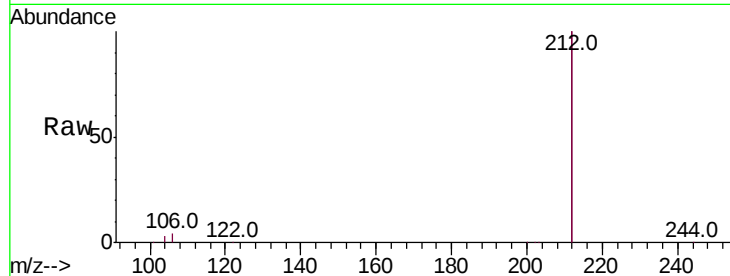




#25
 Fluoranthene-d10
 Concen: 0.343 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

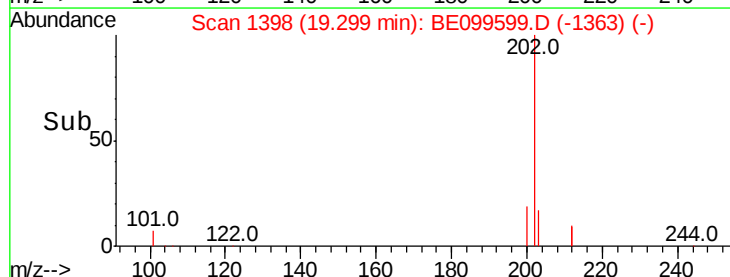
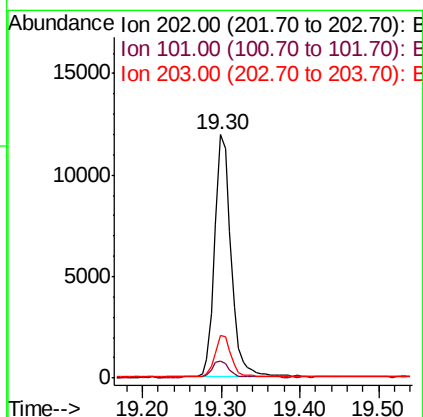
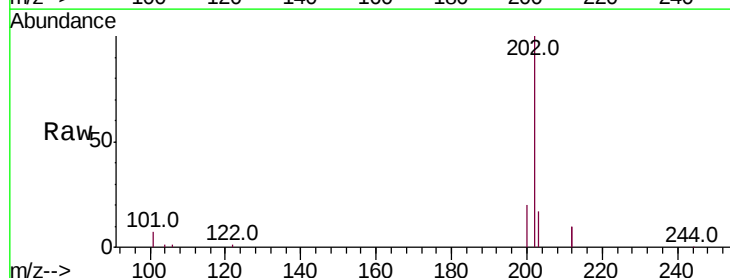
Instrument :
 BNA_E
 ClientSampled :

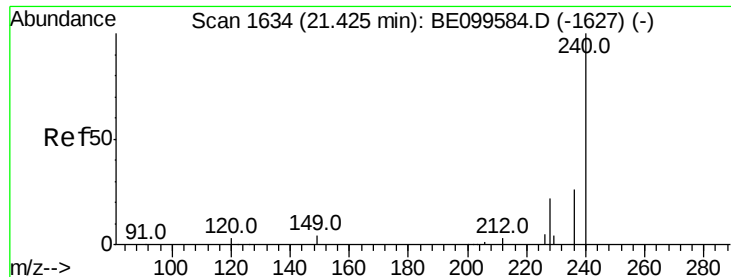
Tot Ion:212 Resp: 57768
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.4 2.2
 104 1.1 0.9 1.3



#26
 Fluoranthene
 Concen: 0.359 ng
 RT: 19.30 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Tgt Ion:202 Resp: 17160
 Ion Ratio Lower Upper
 202 100
 101 6.9 5.4 8.2
 203 17.2 13.7 20.5

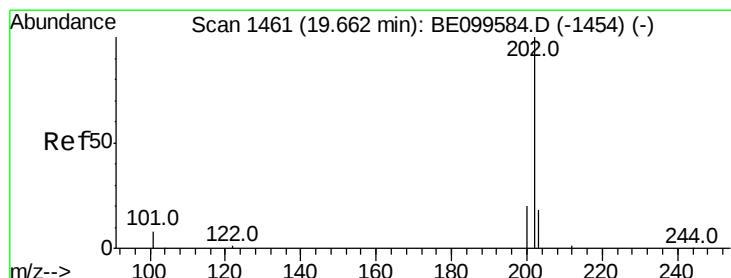
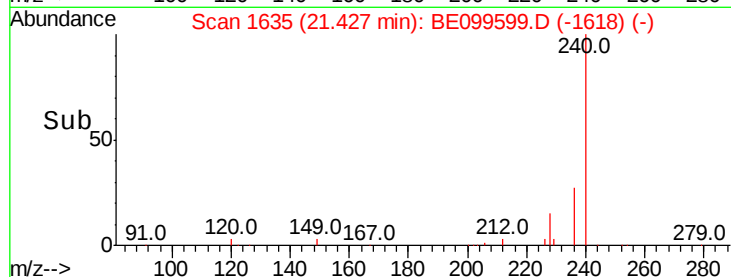
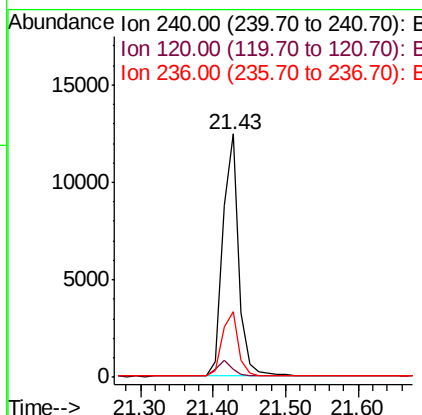
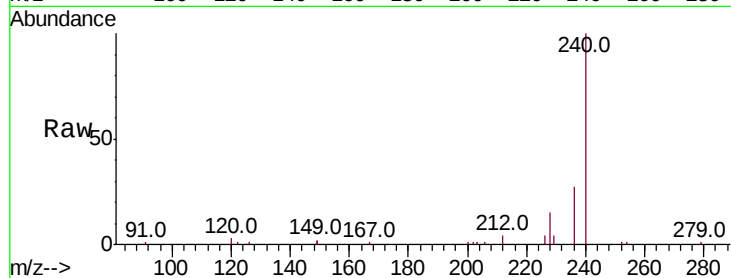




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

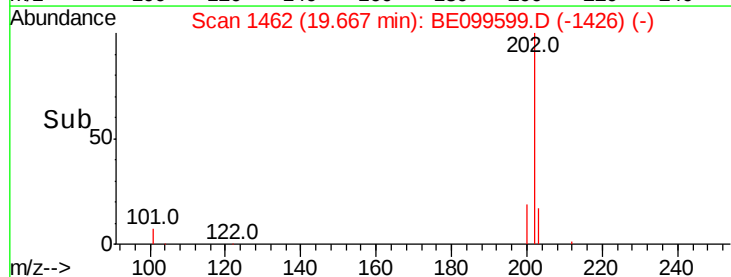
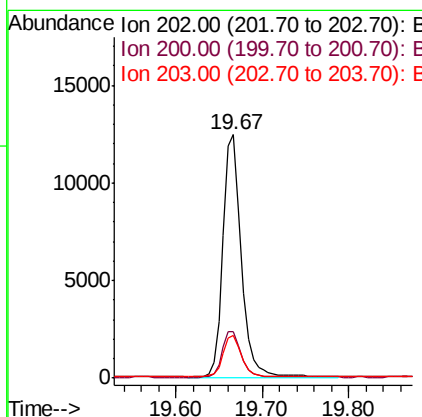
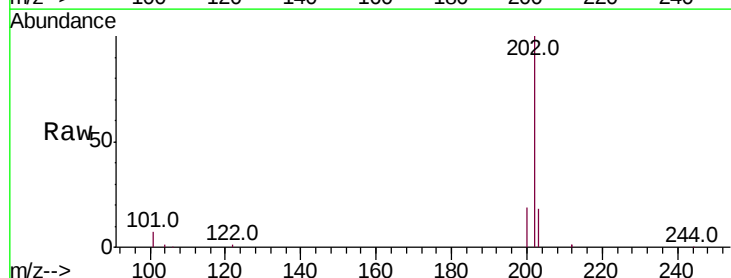
Instrument :
BNA_E
ClientSampleId :

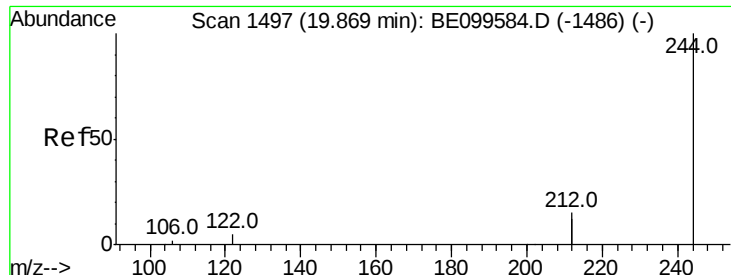
Tot Ion:240 Resp: 19383
Ion Ratio Lower Upper
240 100
120 3.4 3.2 4.8
236 27.0 21.0 31.6



#28
Pyrene
Concen: 0.359 ng
RT: 19.67 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Tgt Ion:202 Resp: 18335
Ion Ratio Lower Upper
202 100
200 19.4 15.9 23.9
203 17.7 14.1 21.1





#29

Terphenyl-d14

Concen: 0.369 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

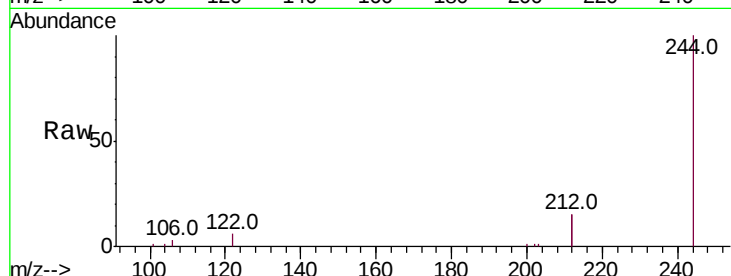
Tot Ion:244 Resp: 12703

Ion Ratio Lower Upper

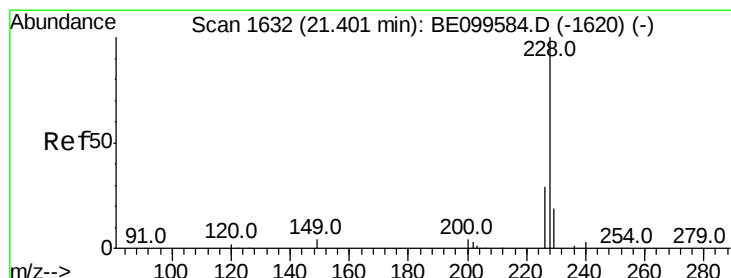
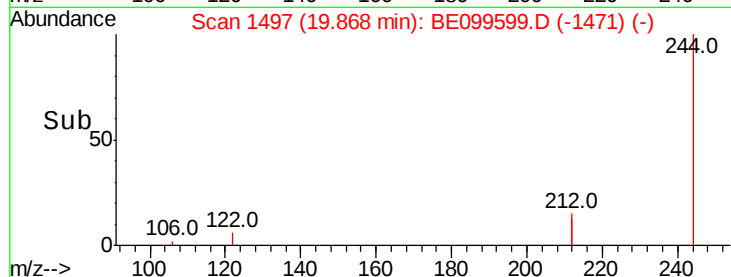
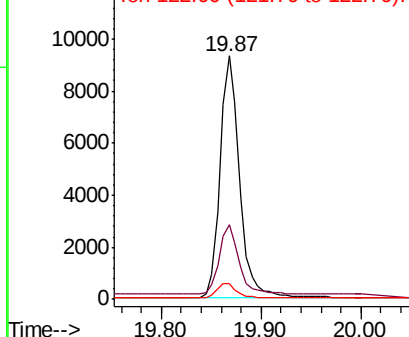
244 100

212 30.7 24.4 36.6

122 6.4 4.6 6.8



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: 0.404 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

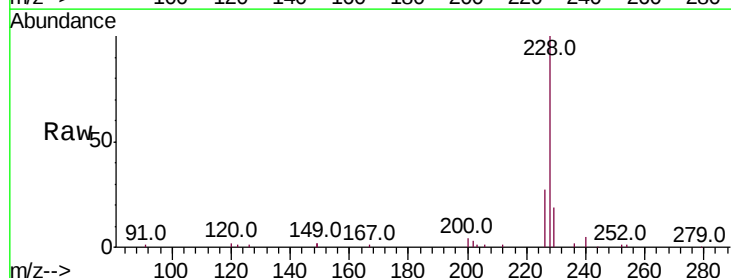
Tgt Ion:228 Resp: 23907

Ion Ratio Lower Upper

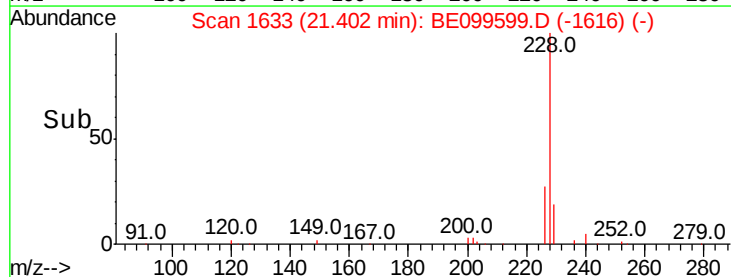
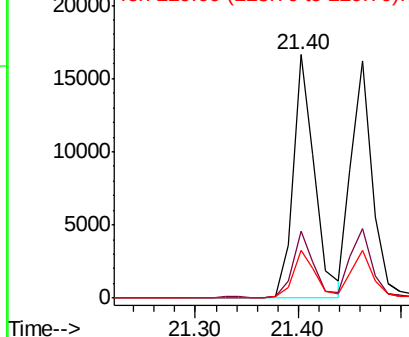
228 100

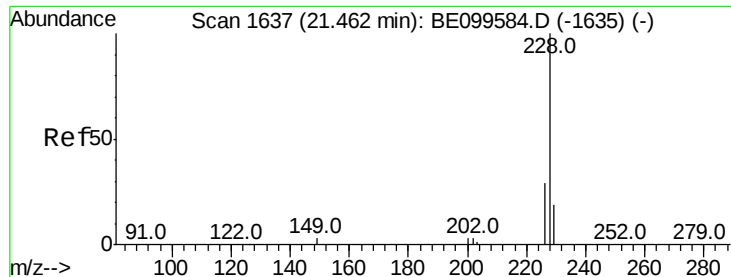
226 27.3 23.3 34.9

229 19.4 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





#31

Chrysene

Concen: 0.386 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

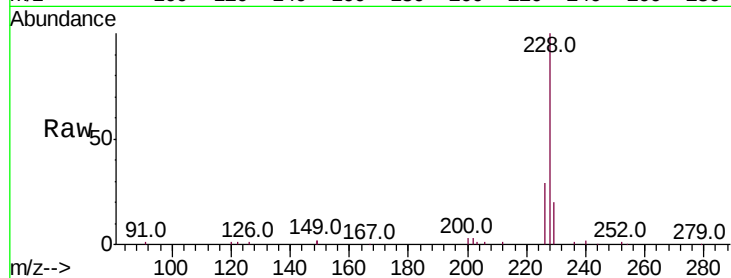
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 22837

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	20.0	15.6	23.4

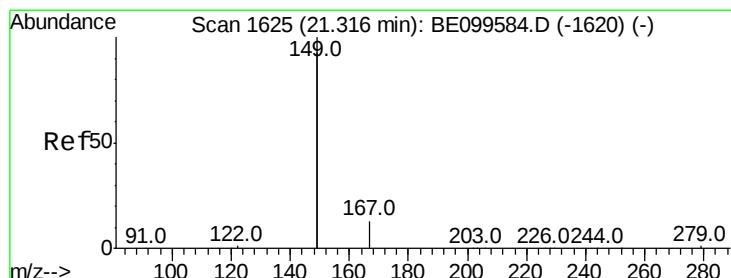
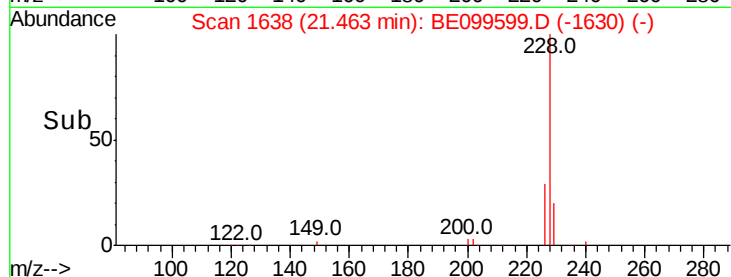
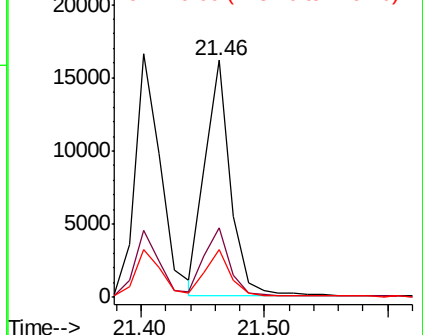


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.388 ng

RT: 21.32 min Scan# 1626

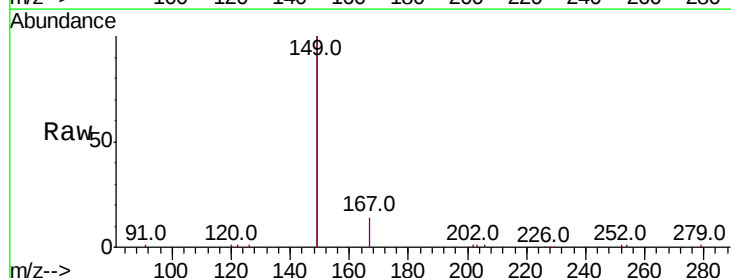
Delta R.T. 0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Tgt Ion:149 Resp: 32965

Ion	Ratio	Lower	Upper
149	100		
167	7.2	6.0	9.0
279	1.3	1.1	1.7

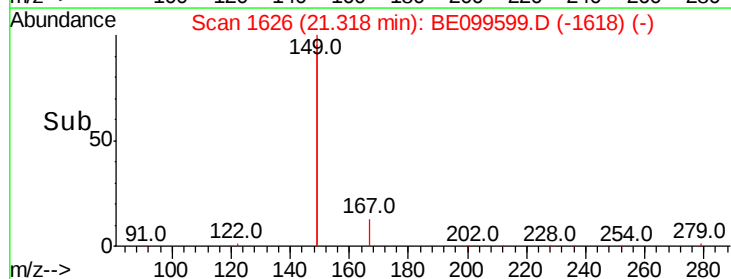
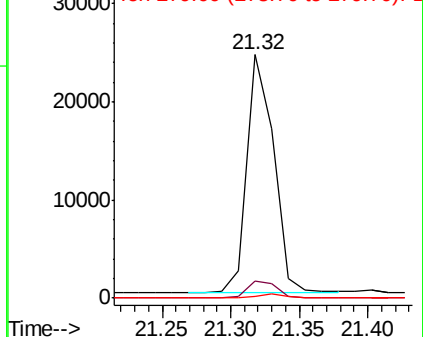


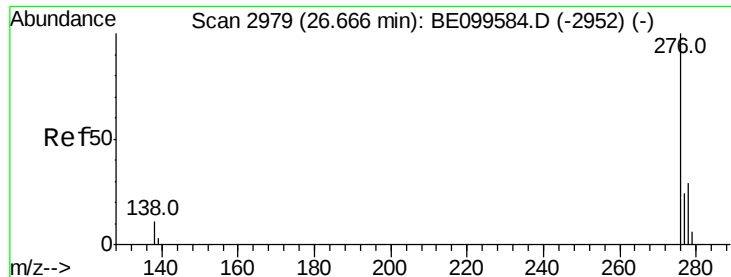
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

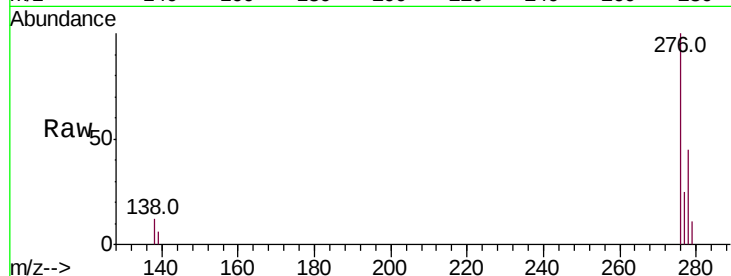




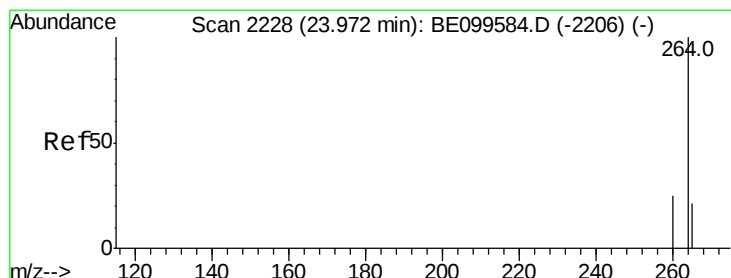
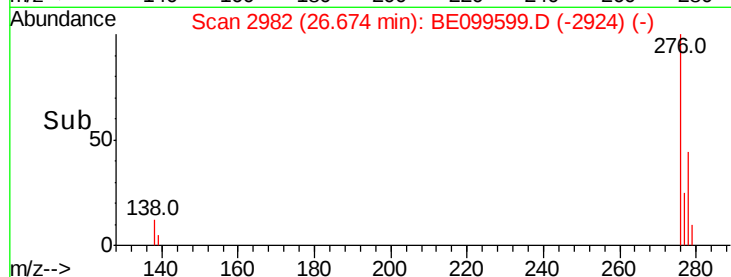
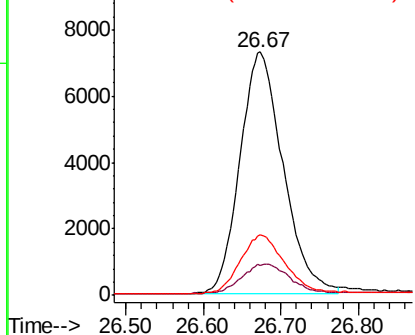
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.381 ng
 RT: 26.67 min Scan# 2982
 Delta R.T. 0.01 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 28105
 Ion Ratio Lower Upper
 276 100
 138 13.1 10.2 15.2
 277 24.8 19.8 29.8

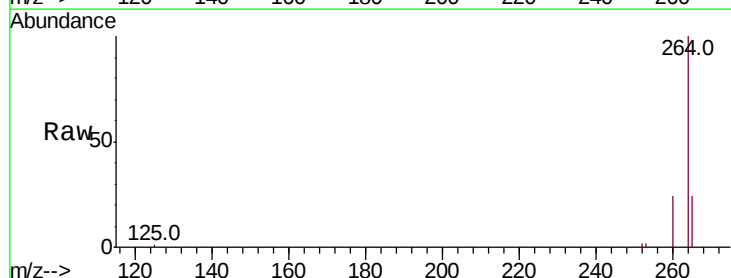


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

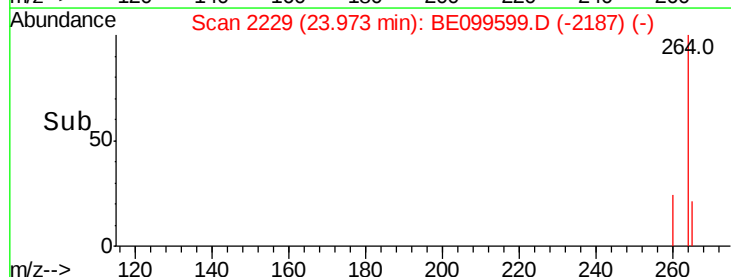
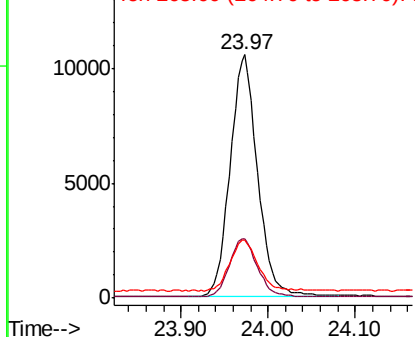


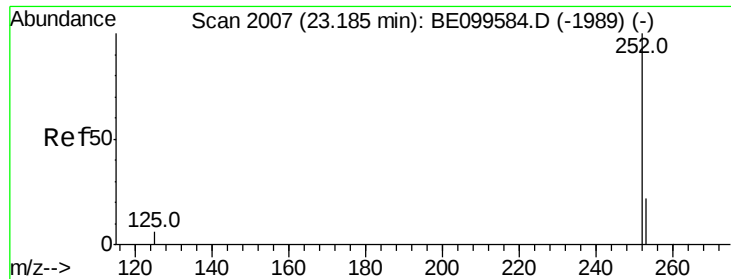
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BE099599.D
 Acq: 10 May 2019 15:19

Tgt Ion:264 Resp: 23052
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.3 30.5
 265 23.8 20.9 31.3



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

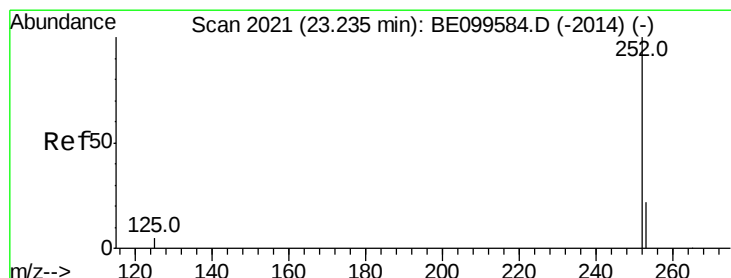
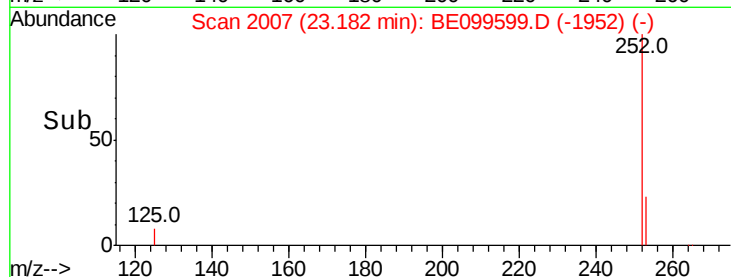
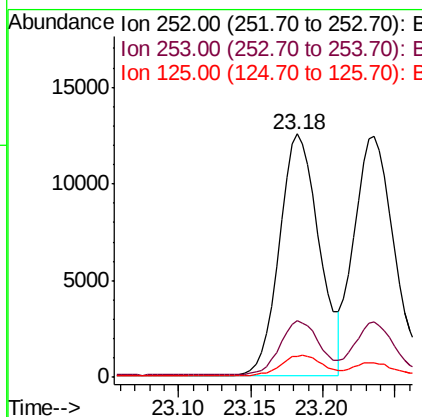
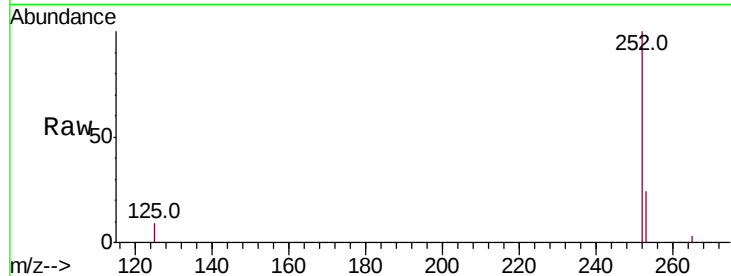




#35
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.18 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

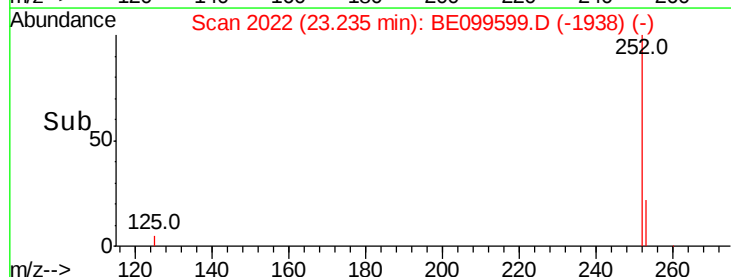
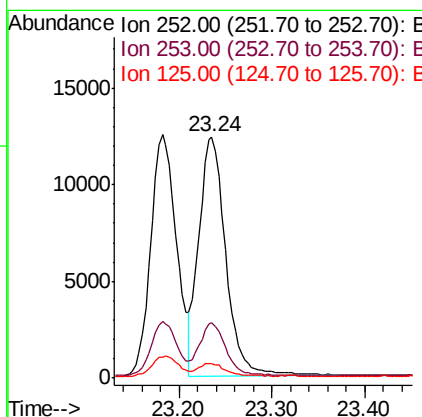
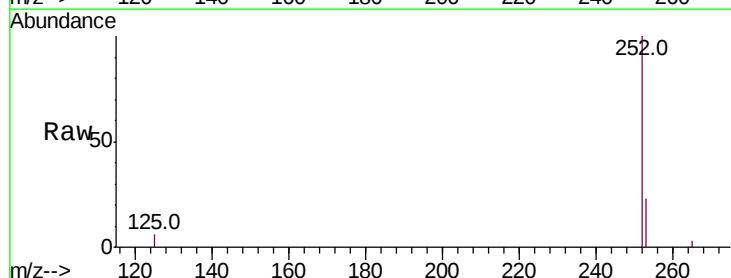
Instrument :
BNA_E
ClientSampleId :

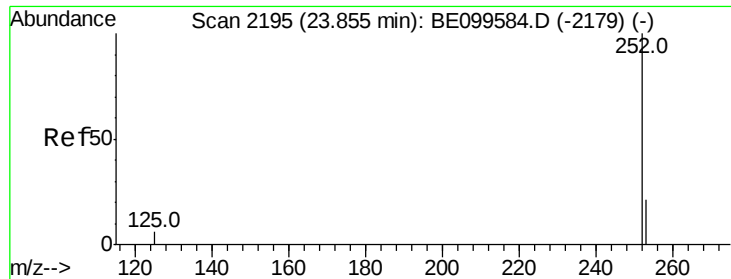
Tot Ion:252 Resp: 24061
Ion Ratio Lower Upper
252 100
253 23.5 18.6 28.0
125 8.7 6.0 9.0



#36
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 23.24 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BE099599.D
Acq: 10 May 2019 15:19

Tgt Ion:252 Resp: 24620
Ion Ratio Lower Upper
252 100
253 23.1 18.7 28.1
125 5.9 5.1 7.7





#37

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.85 min Scan# 2195

Delta R.T. -0.00 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :

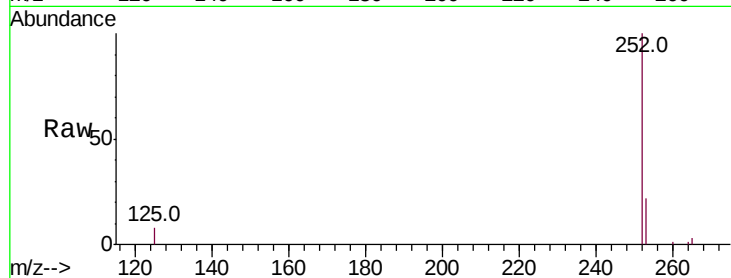
Tot Ion:252 Resp: 23702

Ion Ratio Lower Upper

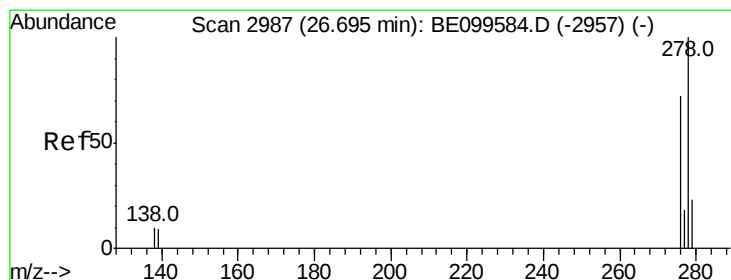
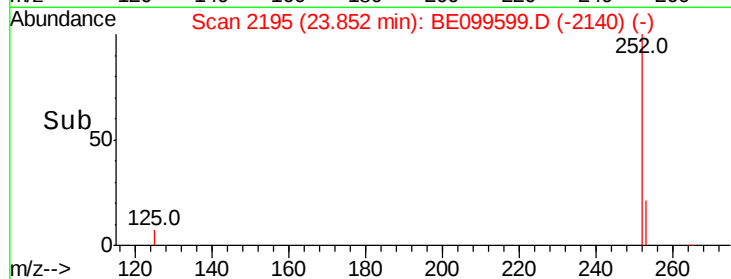
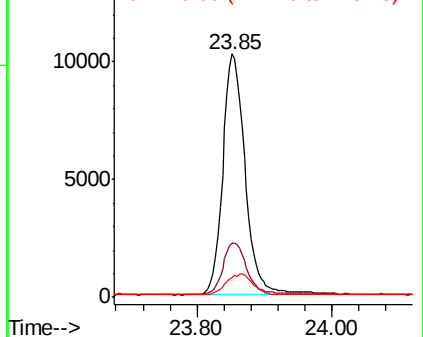
252 100

253 22.4 18.6 27.8

125 7.9 6.4 9.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.373 ng

RT: 26.70 min Scan# 2990

Delta R.T. 0.01 min

Lab File: BE099599.D

Acq: 10 May 2019 15:19

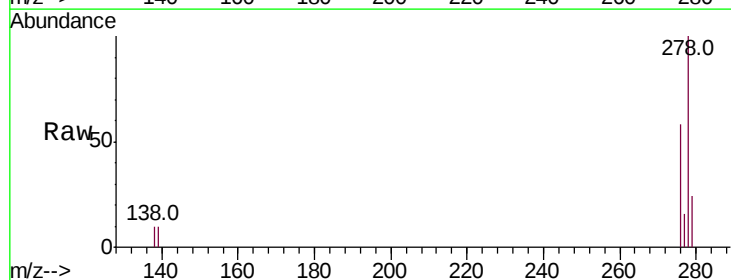
Tgt Ion:278 Resp: 24048

Ion Ratio Lower Upper

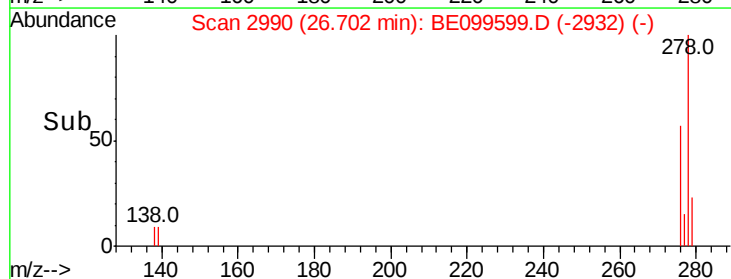
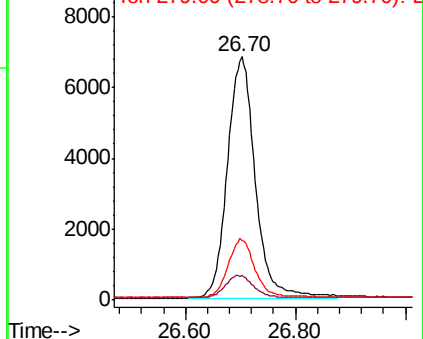
278 100

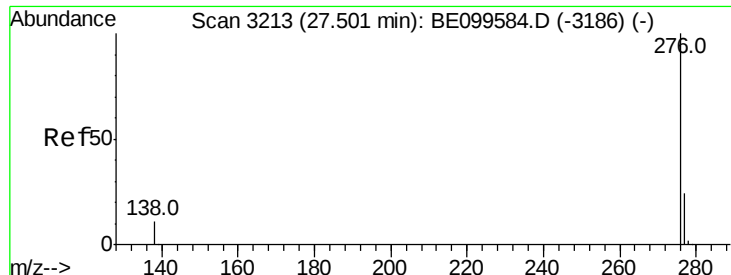
139 10.3 8.3 12.5

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: 0.371 ng

RT: 27.50 min Scan# 3215

Delta R.T. 0.00 min

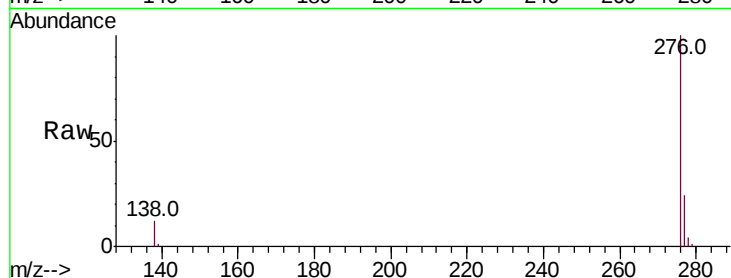
Lab File: BE099599.D

Acq: 10 May 2019 15:19

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 24224

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.6

138 12.1 9.4 14.2

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

