

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031919\
 Data File : BE099034.D
 Acq On : 19 Mar 2019 14:19
 Operator : JU/SJ
 Sample : K1937-14MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MSD

Quant Time: Mar 26 03:01:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	803	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3716	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2468	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	5786	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	6897	0.40	ng	-0.01
34) Perylene-d12	23.89	264	6567	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	341	0.14	ng	0.03
5) Phenol-d6	7.01	99	384	0.11	ng	0.03
8) Nitrobenzene-d5	8.98	82	1406	0.36	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	3261	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	492	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	4517	0.44	ng	0.00
25) Fluoranthene-d10	19.24	212	33723	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	7289	0.43	ng	0.00

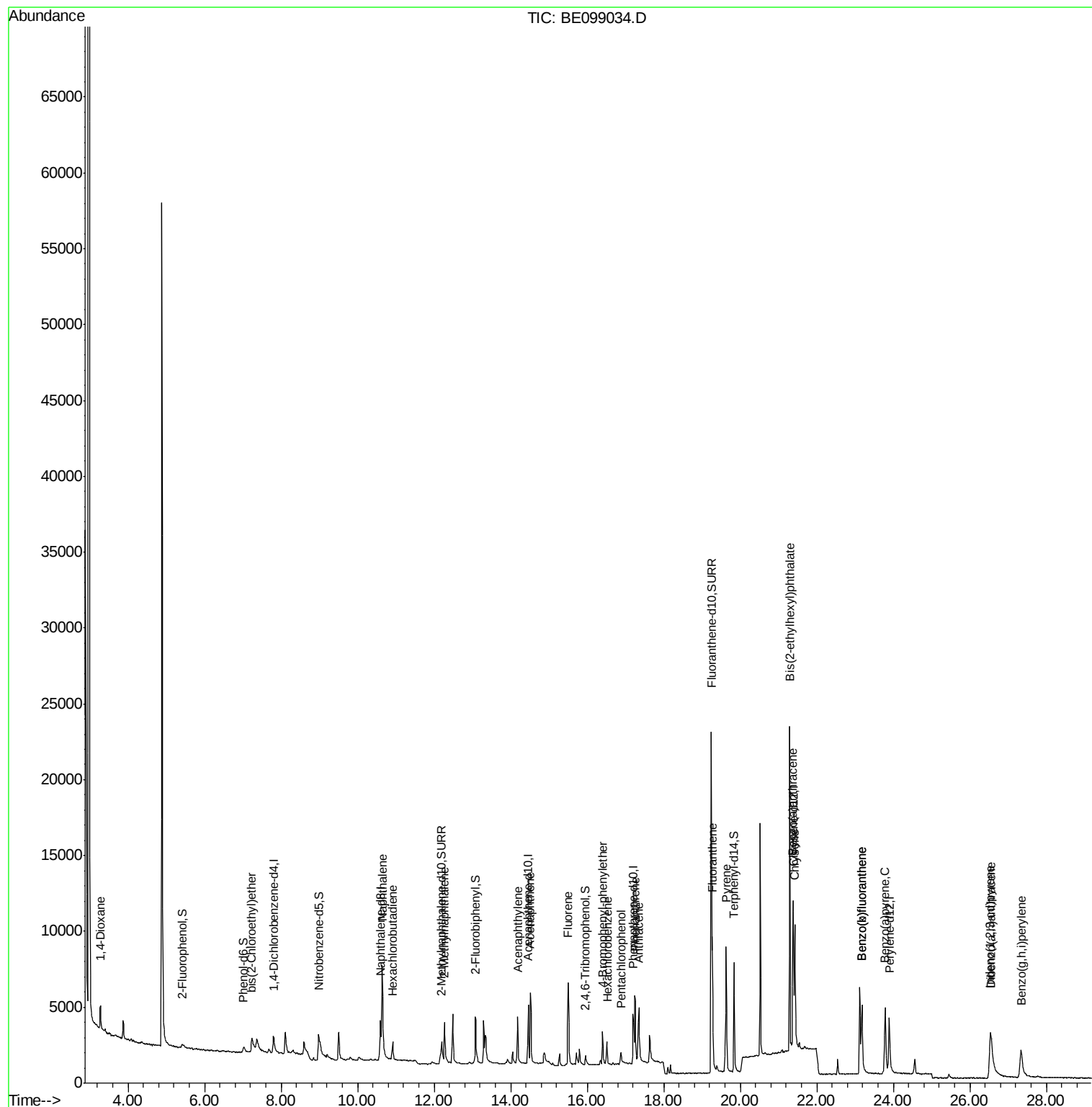
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	1048	0.743	ng	# 76
6) bis(2-Chloroethyl)ether	7.23	93	1055	0.403	ng	82
9) Naphthalene	10.64	128	14874	0.349	ng	100
10) Hexachlorobutadiene	10.91	225	843	0.299	ng	97
12) 2-Methylnaphthalene	12.27	142	2494	0.361	ng	98
16) Acenaphthylene	14.18	152	4305	0.339	ng	97
17) Acenaphthene	14.51	154	2626	0.349	ng	99
18) Fluorene	15.50	166	3716	0.342	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	1198	0.382	ng	89
21) Hexachlorobenzene	16.52	284	1315	0.353	ng	97
22) Pentachlorophenol	16.88	266	735	0.843	ng	# 77
23) Phenanthrene	17.24	178	6233	0.379	ng	98
24) Anthracene	17.35	178	4928	0.351	ng	99
26) Fluoranthene	19.27	202	8052	0.347	ng	100
28) Pyrene	19.63	202	8353	0.396	ng	100
30) Benzo(a)anthracene	21.38	228	7437	0.346	ng	99
31) Chrysene	21.43	228	8174	0.355	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	21802	0.476	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	7404	0.305	ng	98
35) Benzo(b)fluoranthene	23.18	252	8454	0.392	ng	97
36) Benzo(k)fluoranthene	23.18	252	8725	0.386	ng	99
37) Benzo(a)pyrene	23.78	252	7913	0.382	ng	# 72
38) Dibenzo(a,h)anthracene	26.56	278	5435	0.277	ng	# 95
39) Benzo(g,h,i)perylene	27.34	276	6673	0.326	ng	98

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

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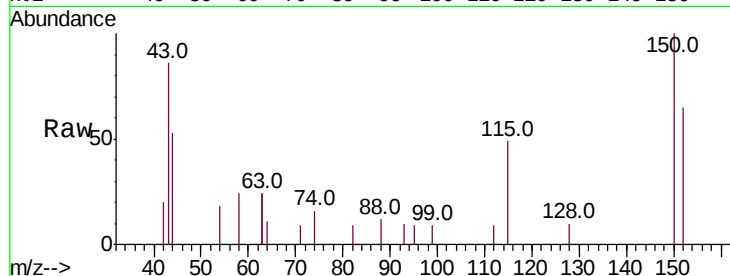


#1

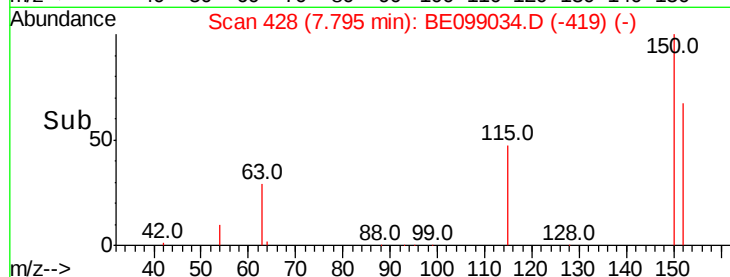
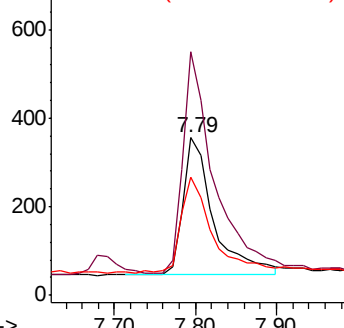
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

Tot Ion:152 Resp: 803
Ion Ratio Lower Upper
152 100
150 154.9 122.5 183.7
115 75.5 57.4 86.2



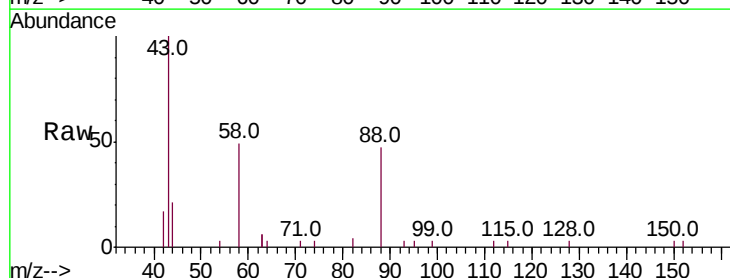
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



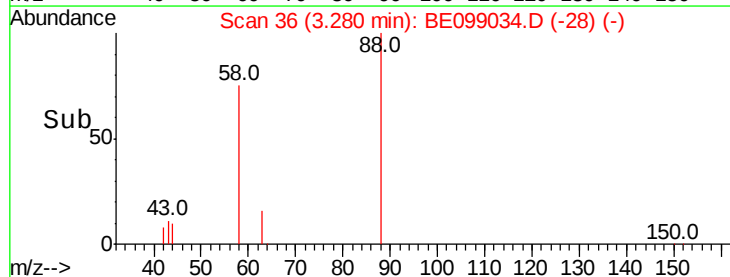
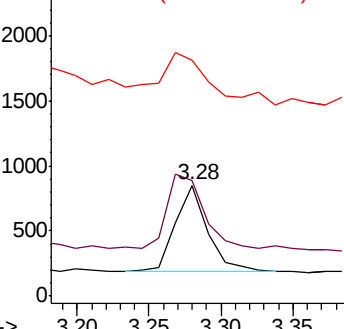
#2

1,4-Dioxane
Concen: 0.743 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion: 88 Resp: 1048
Ion Ratio Lower Upper
88 100
58 96.8 75.8 113.6
43 97.4 41.8 62.8#



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





#4

2-Fluorophenol

Concen: 0.142 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.03 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MSD

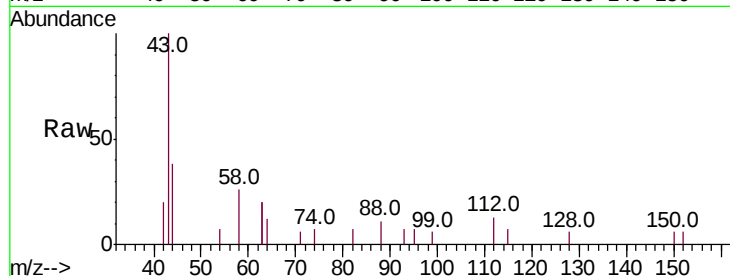
Tot Ion:112 Resp: 341

Ion Ratio Lower Upper

112 100

64 90.3 57.9 86.9#

63 235.2 158.3 237.5



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

400

300

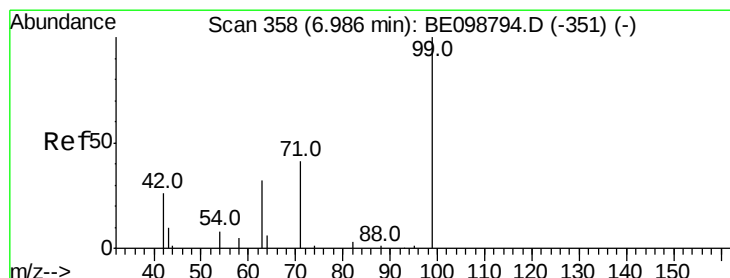
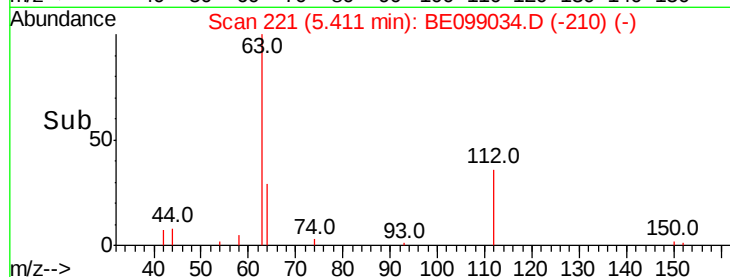
200

100

0

5.30 5.40 5.50 5.60

Time-->



#5

Phenol-d6

Concen: 0.113 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.03 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

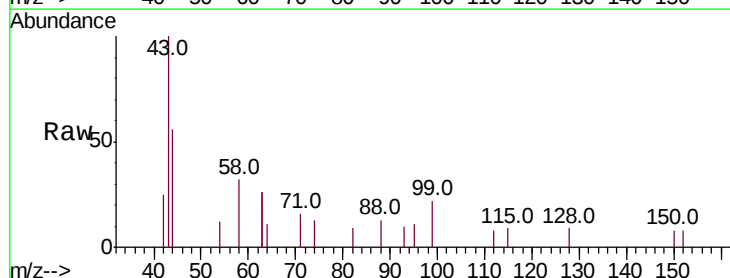
Tgt Ion: 99 Resp: 384

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

71 39.6 35.7 53.5



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

200

150

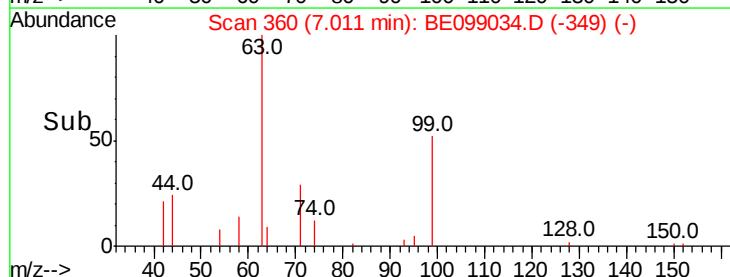
100

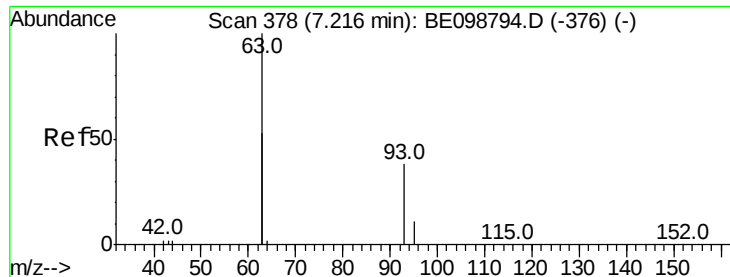
50

0

7.00 7.20

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.403 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MSD

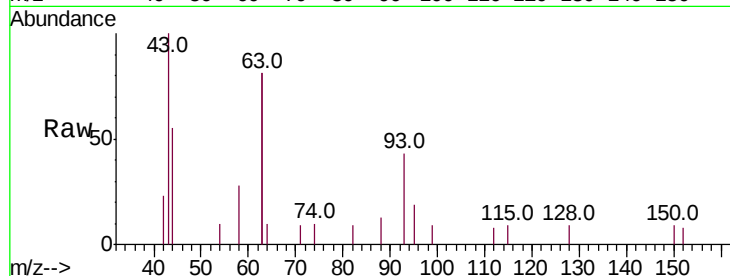
Tot Ion: 93 Resp: 1055

Ion Ratio Lower Upper

93 100

63 270.6 247.5 371.3

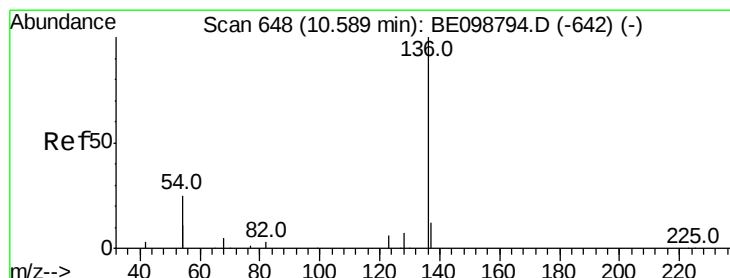
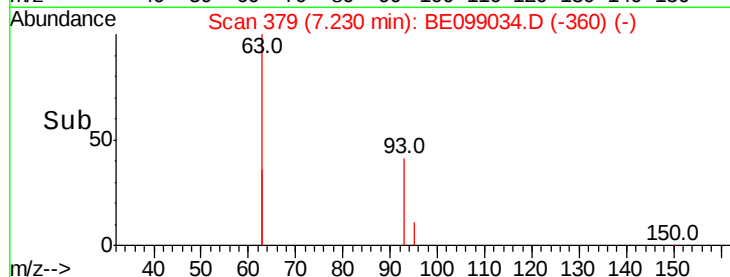
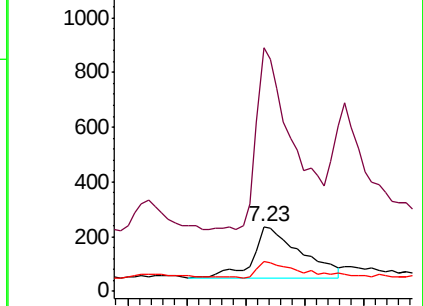
95 26.6 21.8 32.8



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: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Tgt Ion:136 Resp: 3716

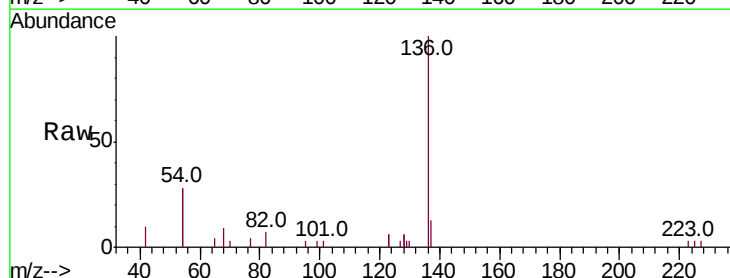
Ion Ratio Lower Upper

136 100

137 13.0 11.4 17.0

54 56.9 39.3 58.9

68 8.8 6.7 10.1

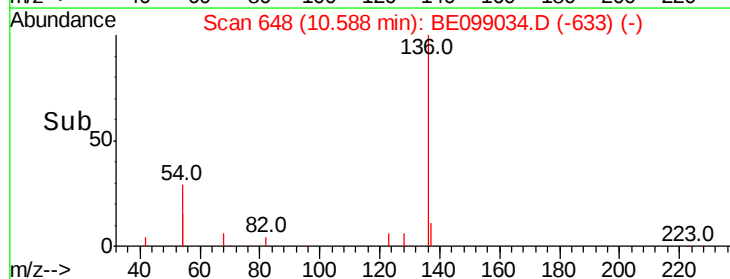
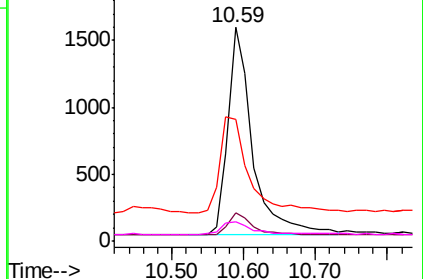


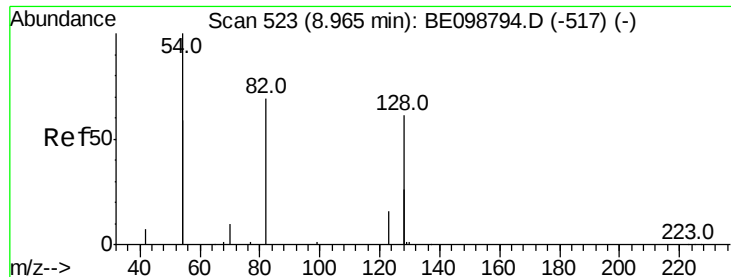
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.361 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MSD

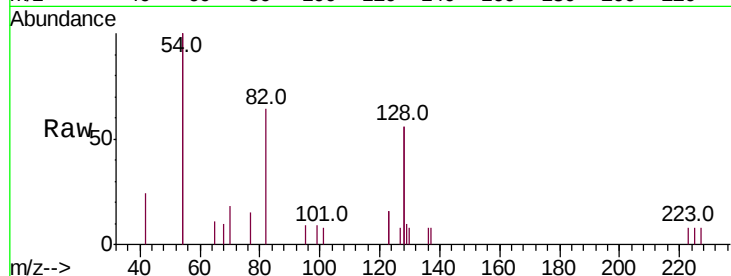
Tot Ion: 82 Resp: 1406

Ion Ratio Lower Upper

82 100

128 174.6 123.8 185.8

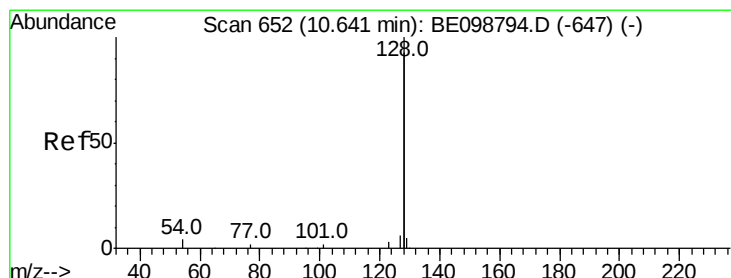
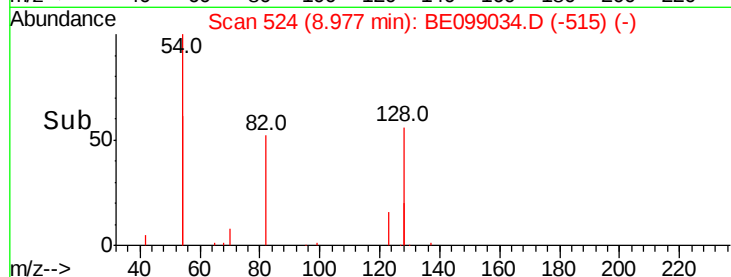
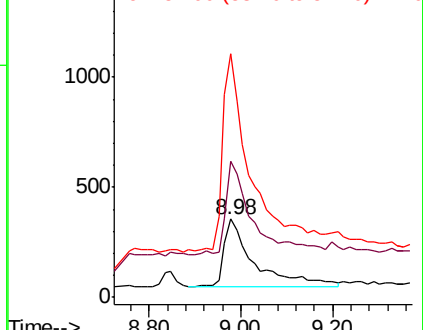
54 312.4 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE098794.D (-517) (-)

Ion 128.00 (127.70 to 128.70): BE098794.D (-517) (-)

Ion 54.00 (53.70 to 54.70): BE098794.D (-517) (-)



#9

Naphthalene

Concen: 0.349 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

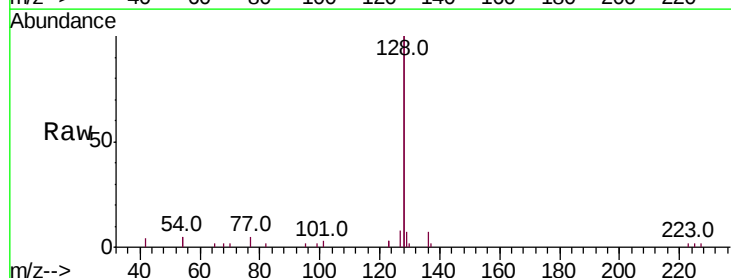
Tgt Ion: 128 Resp: 14874

Ion Ratio Lower Upper

128 100

129 3.4 2.6 4.0

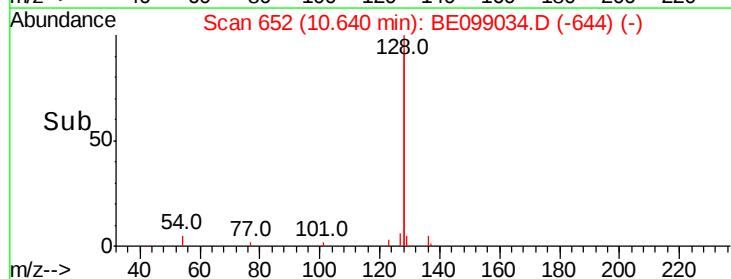
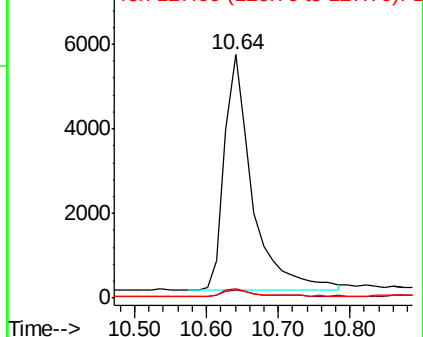
127 4.1 3.1 4.7

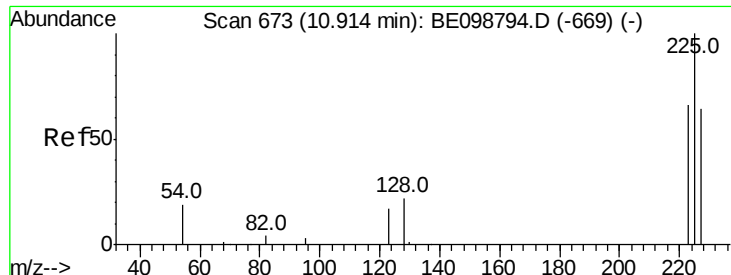


Abundance Ion 128.00 (127.70 to 128.70): BE098794.D (-647) (-)

Ion 129.00 (128.70 to 129.70): BE098794.D (-647) (-)

Ion 127.00 (126.70 to 127.70): BE098794.D (-647) (-)

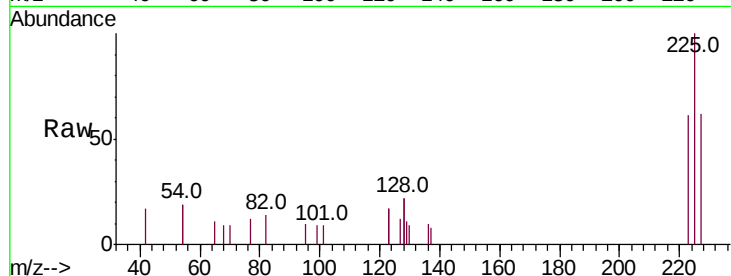




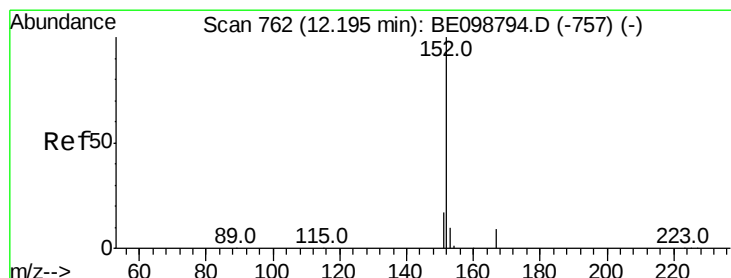
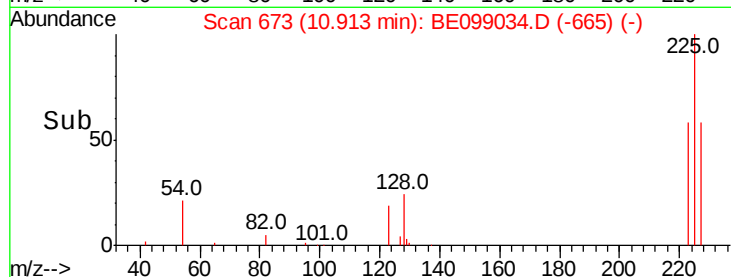
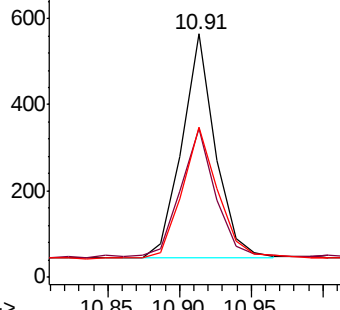
#10
Hexachlorobutadiene
Concen: 0.299 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Instrument :
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BP-TT-SW4002-20190314MSD

Tot Ion:225 Resp: 843
Ion Ratio Lower Upper
225 100
223 60.7 51.1 76.7
227 63.2 51.6 77.4

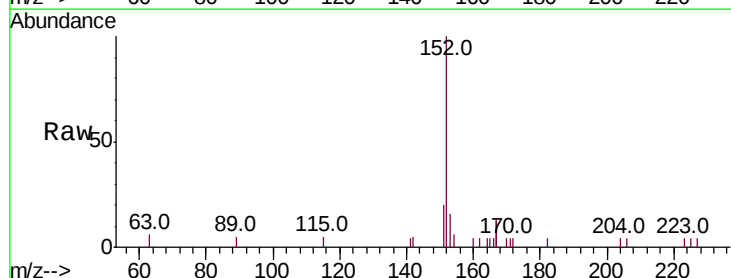


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

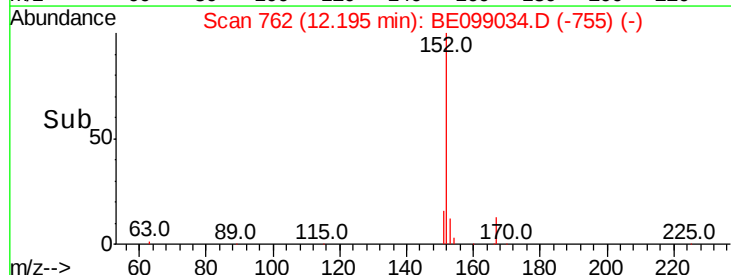
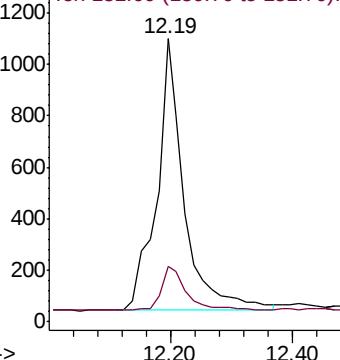


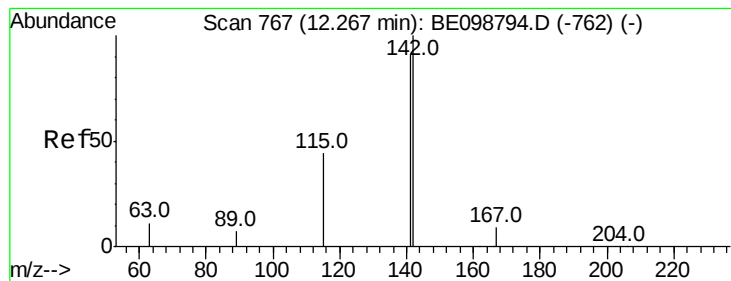
#11
2-Methylnaphthalene-d10
Concen: 0.475 ng
RT: 12.19 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:152 Resp: 3261
Ion Ratio Lower Upper
152 100
151 15.2 16.5 24.7#



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

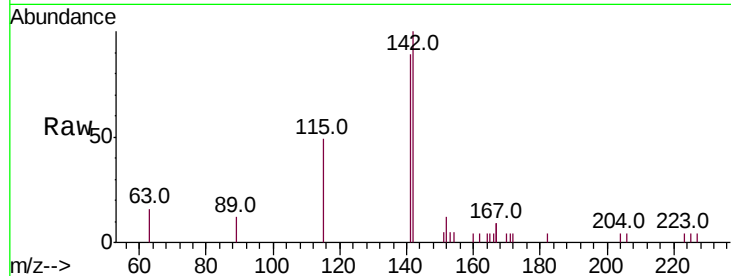




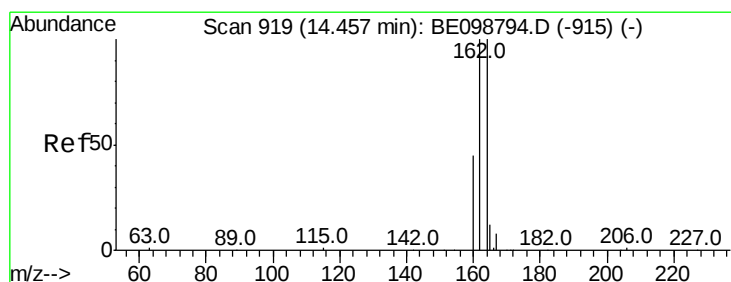
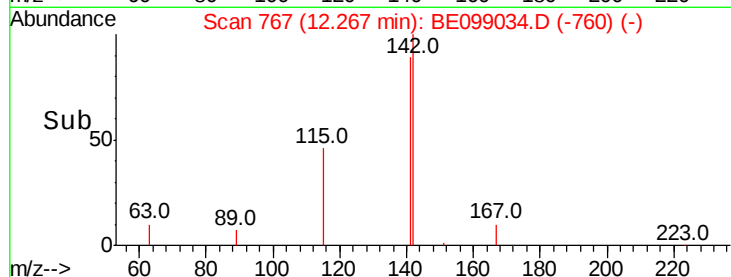
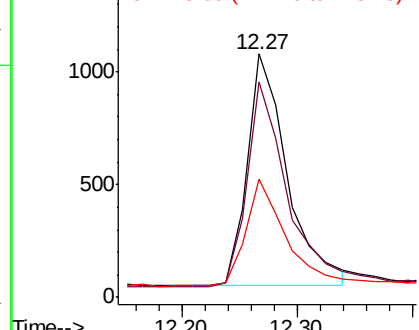
#12
 2-Methylnaphthalene
 Concen: 0.361 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MSD

Tot Ion:142 Resp: 2494
 Ion Ratio Lower Upper
 142 100
 141 88.7 72.6 108.8
 115 48.7 37.4 56.2

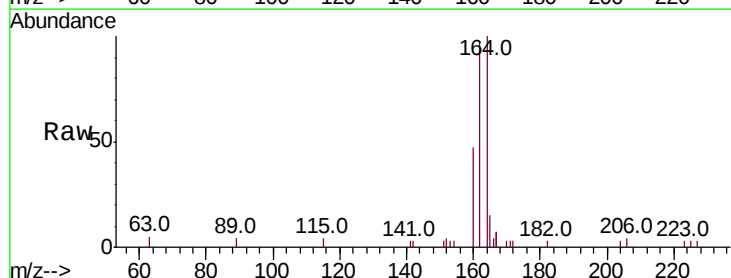


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

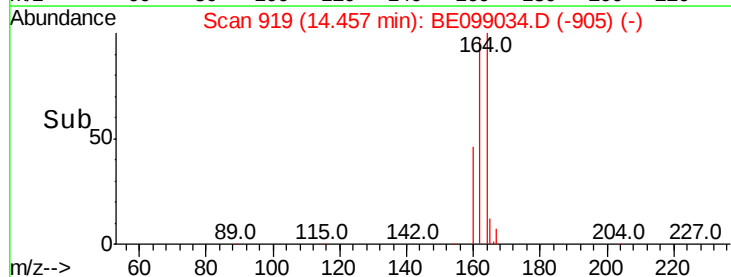
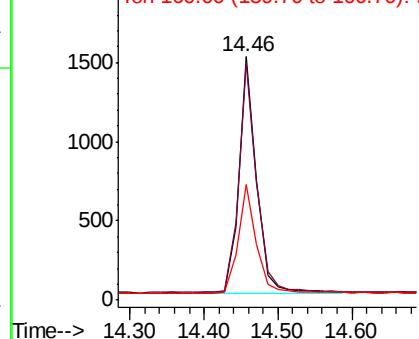


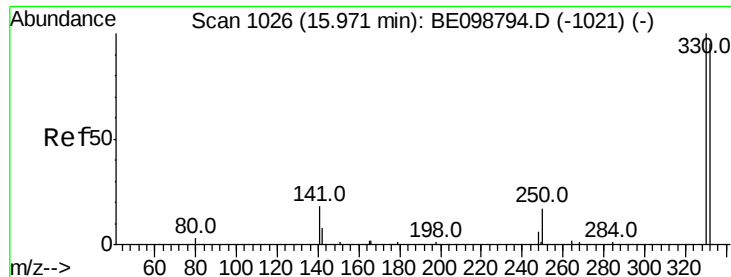
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

Tgt Ion:164 Resp: 2468
 Ion Ratio Lower Upper
 164 100
 162 97.3 80.2 120.2
 160 47.2 37.8 56.8



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

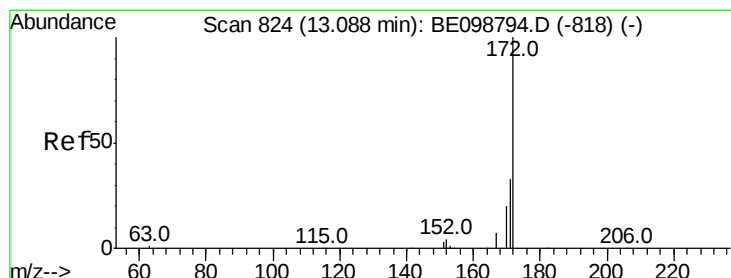
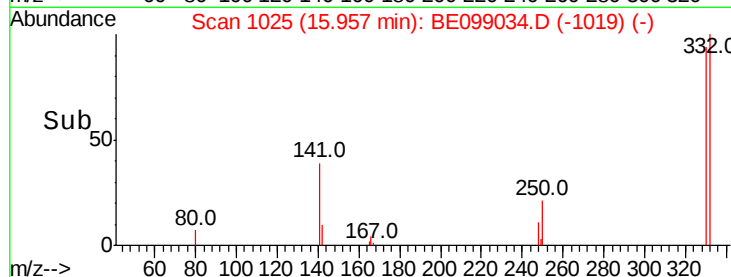
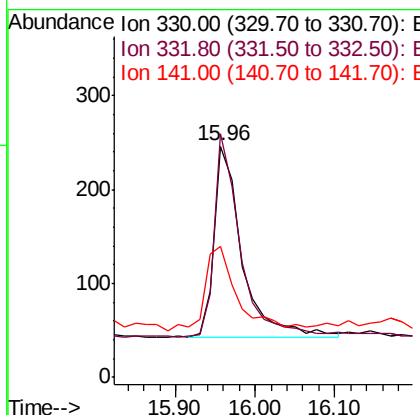
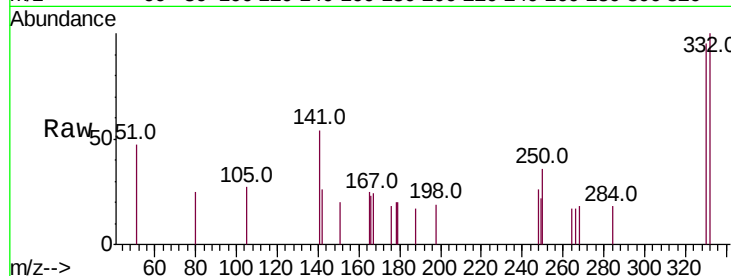




#14
 2,4,6-Tribromophenol
 Concen: 0.395 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

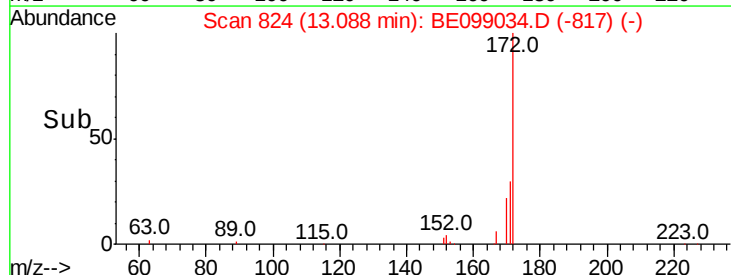
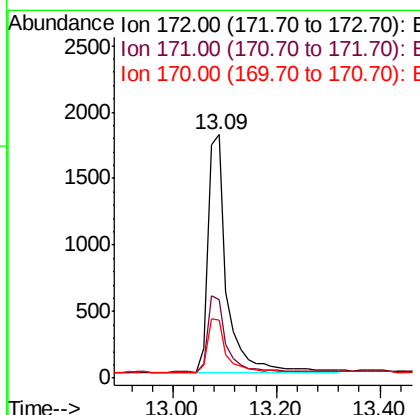
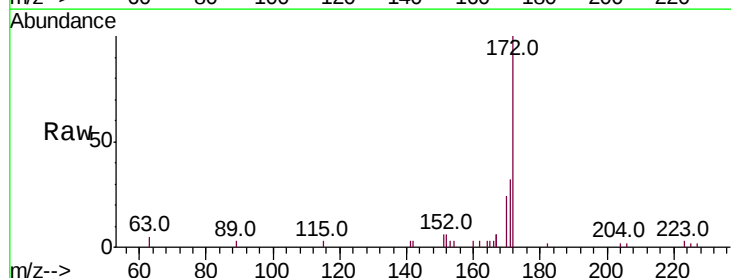
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MSD

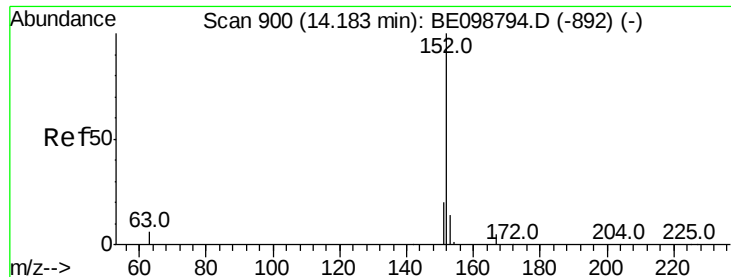
Tot Ion:330 Resp: 492
 Ion Ratio Lower Upper
 330 100
 332 99.4 77.6 116.4
 141 44.1 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.442 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

Tgt Ion:172 Resp: 4517
 Ion Ratio Lower Upper
 172 100
 171 32.0 28.0 42.0
 170 23.6 17.7 26.5

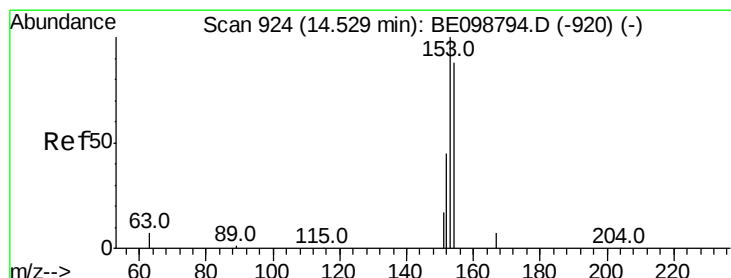
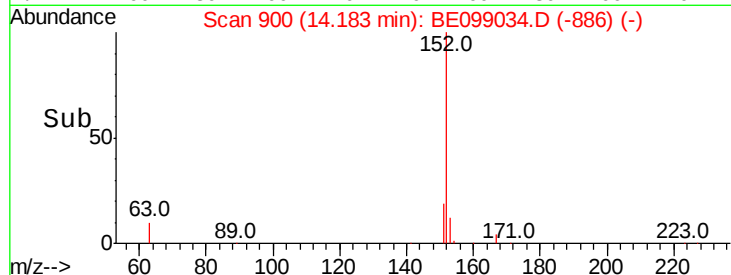
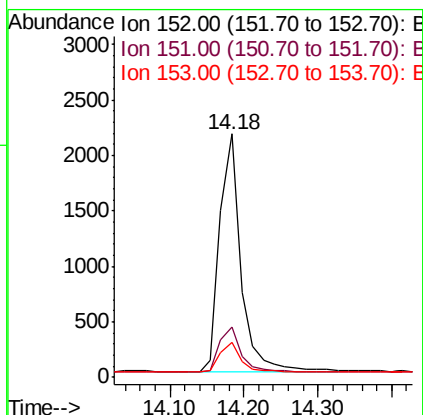
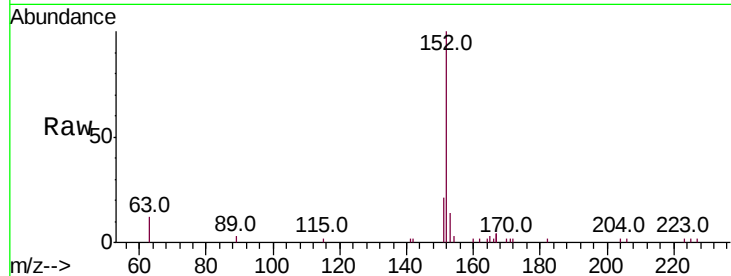




#16
Acenaphthylene
Concen: 0.339 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

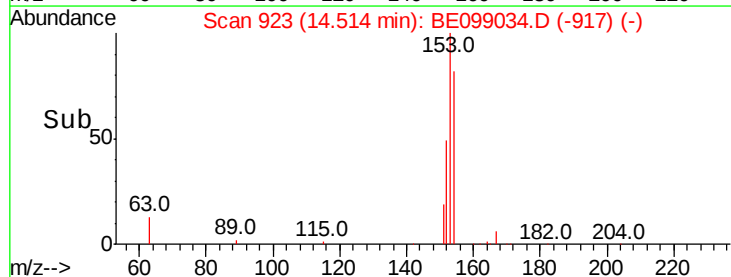
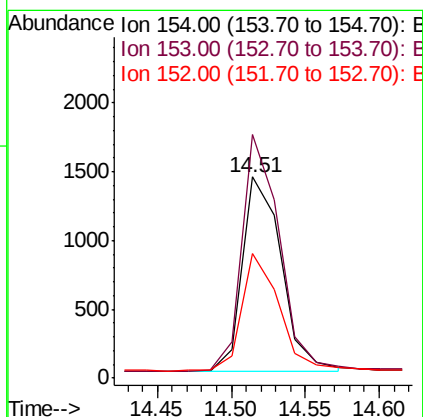
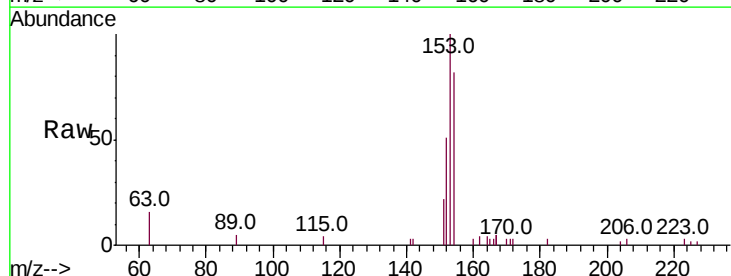
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

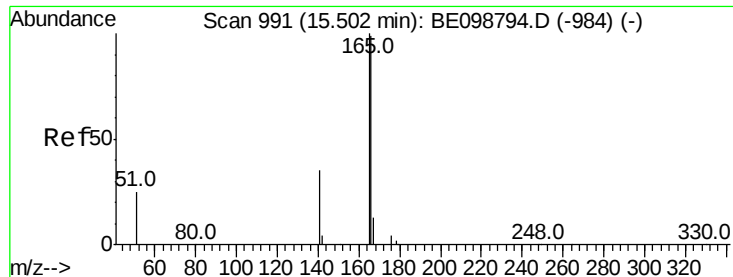
Tot Ion:152 Resp: 4305
Ion Ratio Lower Upper
152 100
151 19.6 17.0 25.6
153 13.0 11.2 16.8



#17
Acenaphthene
Concen: 0.349 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:154 Resp: 2626
Ion Ratio Lower Upper
154 100
153 117.2 94.2 141.4
152 57.8 45.0 67.4



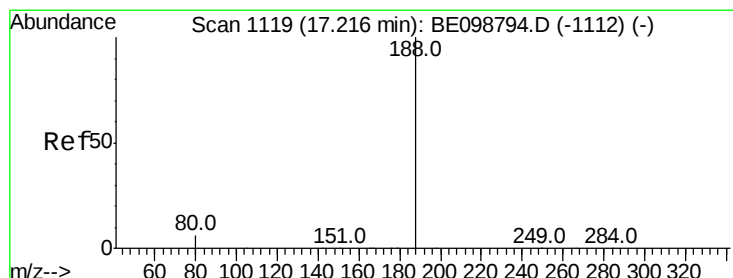
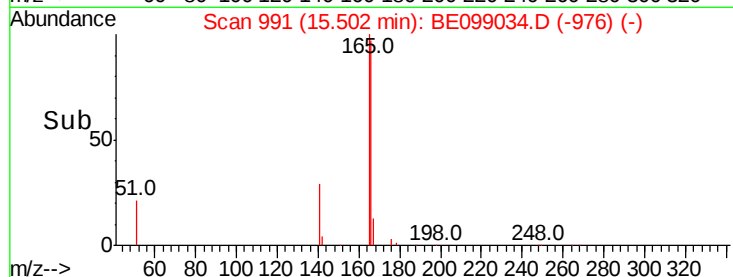
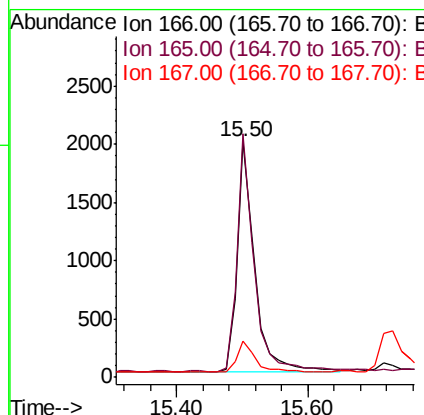
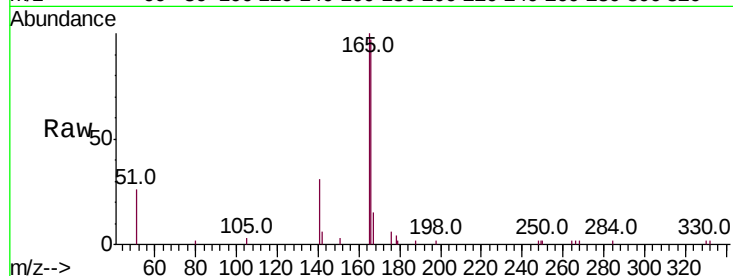


#18
Fluorene
 Concen: 0.342 ng
 RT: 15.50 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MSD

Tot Ion:166 Resp: 3716

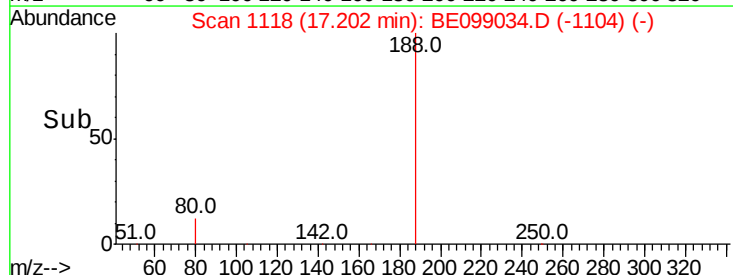
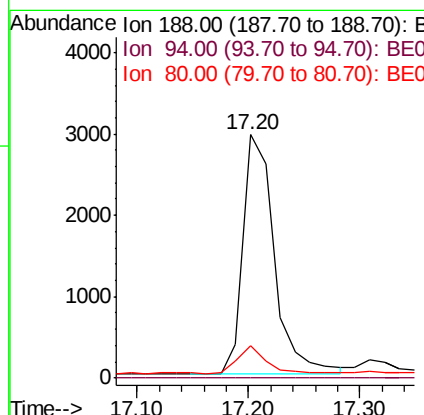
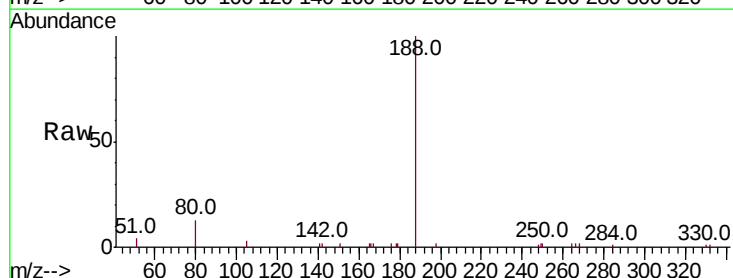
Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.3	118.9
167	14.5	10.5	15.7

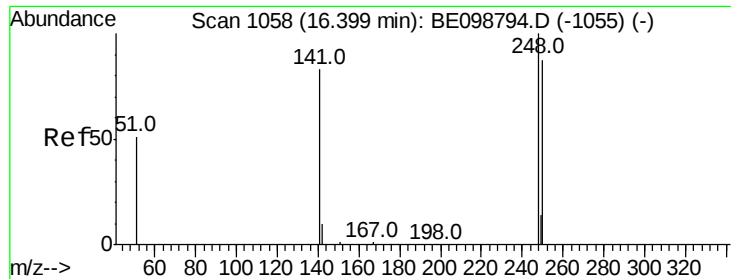


#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

Tgt Ion:188 Resp: 5786

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.4	6.3	9.5#

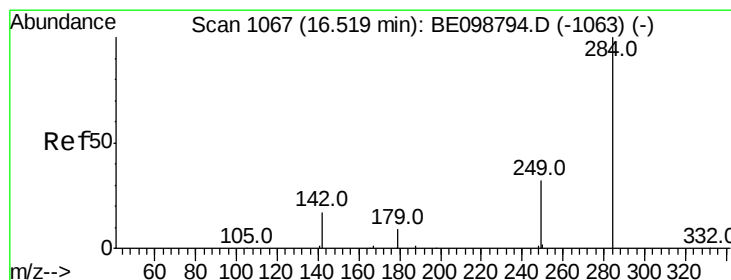
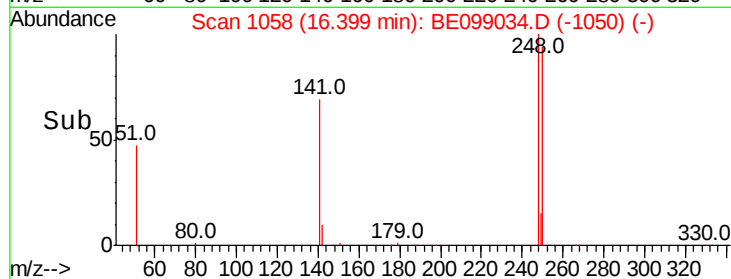
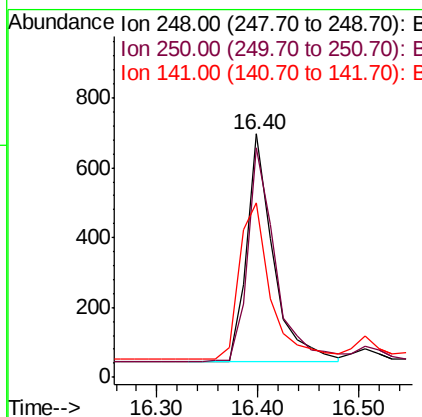
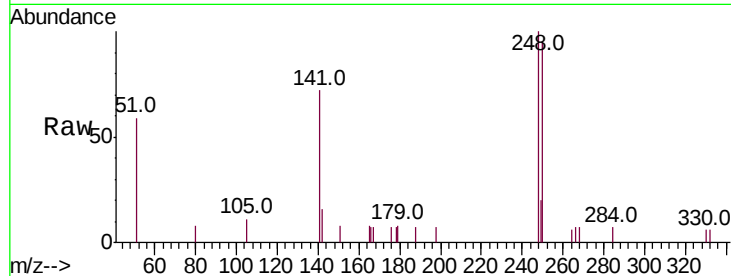




#20
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

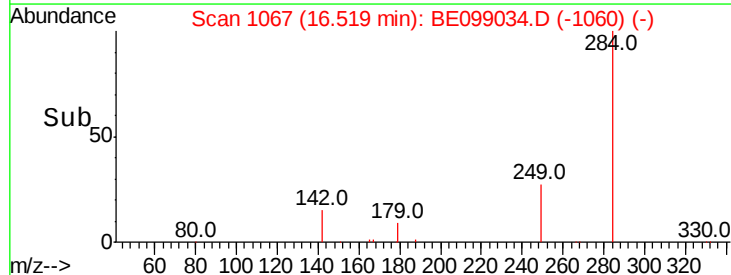
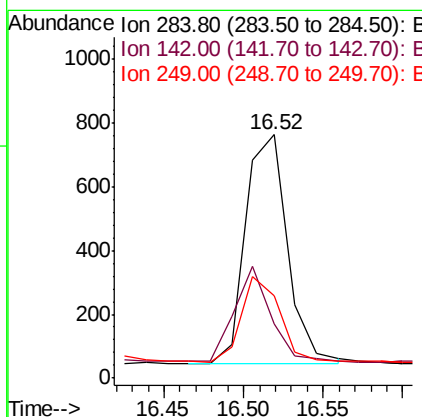
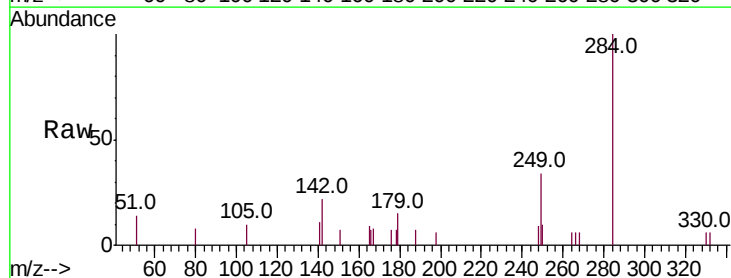
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

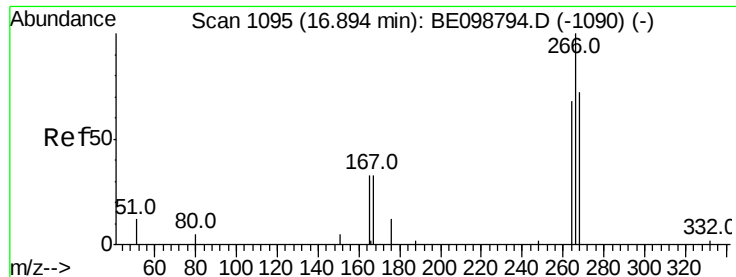
Tot Ion:248 Resp: 1198
Ion Ratio Lower Upper
248 100
250 94.5 70.6 105.8
141 71.9 68.6 102.8



#21
Hexachlorobenzene
Concen: 0.353 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:284 Resp: 1315
Ion Ratio Lower Upper
284 100
142 35.9 28.7 43.1
249 34.1 29.6 44.4

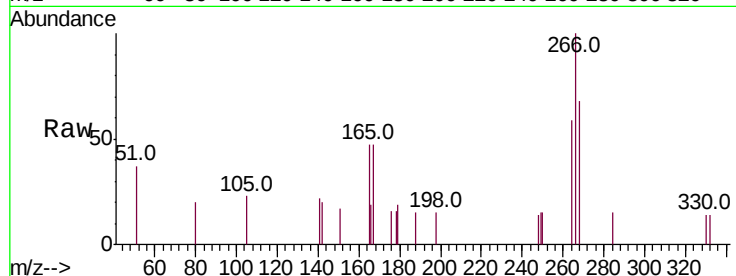




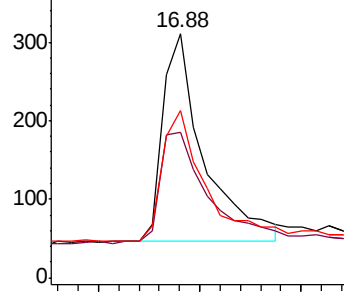
#22
 Pentachlorophenol
 Concen: 0.843 ng
 RT: 16.88 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MSD

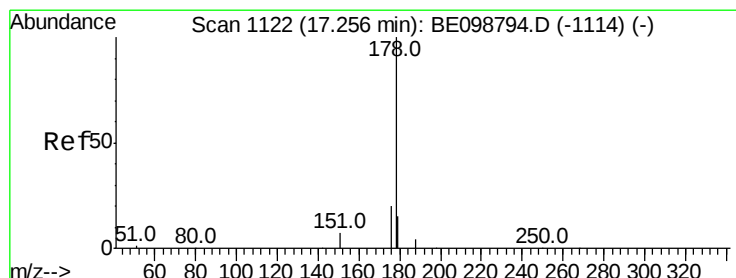
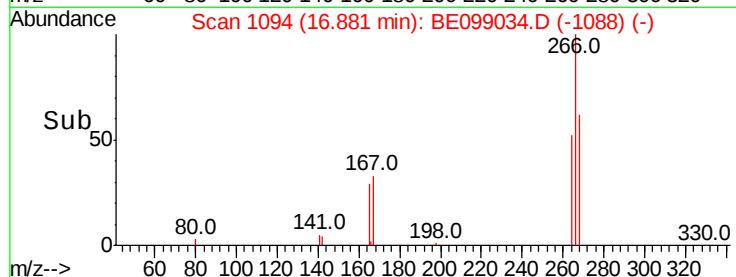
Tot Ion:266 Resp: 735
 Ion Ratio Lower Upper
 266 100
 264 59.5 66.6 100.0#
 268 68.5 69.8 104.8#



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

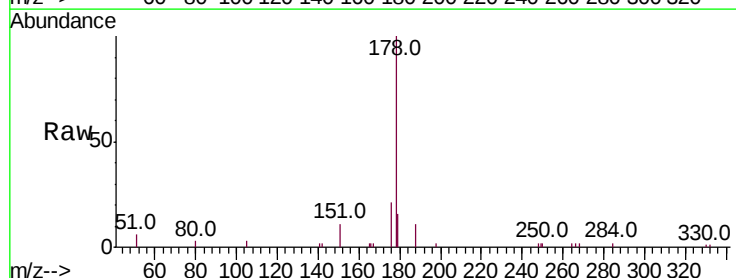


Time-->

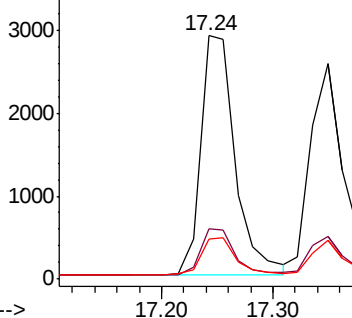


#23
 Phenanthrene
 Concen: 0.379 ng
 RT: 17.24 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BE099034.D
 Acq: 19 Mar 2019 14:19

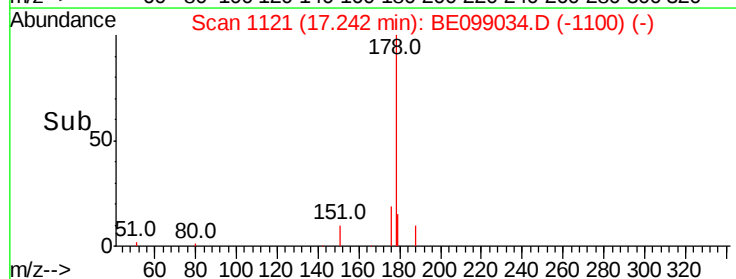
Tgt Ion:178 Resp: 6233
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.0 24.0
 179 15.5 12.1 18.1

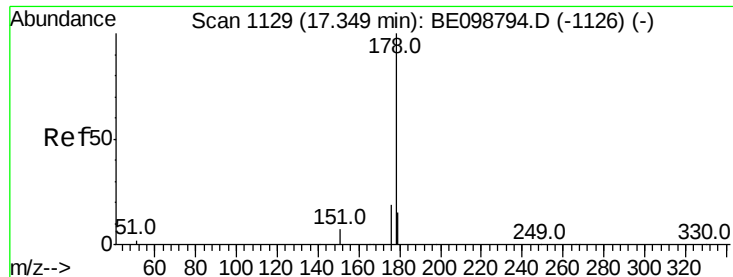


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->





#24

Anthracene

Concen: 0.351 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MSD

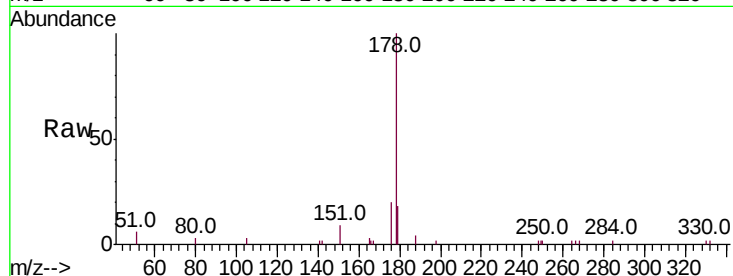
Tot Ion:178 Resp: 4928

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

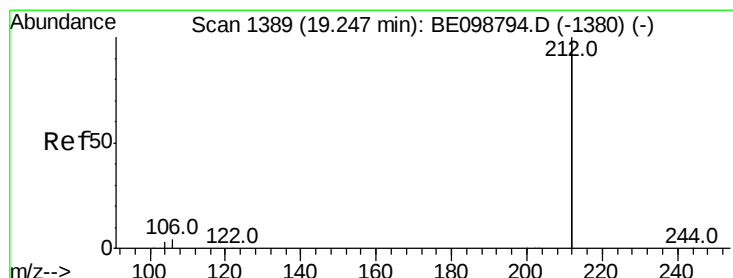
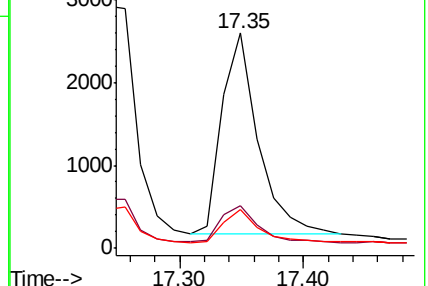
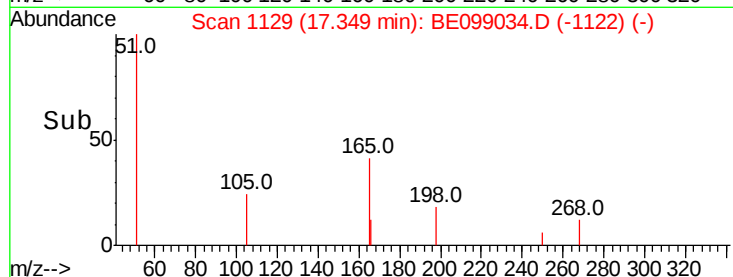
179 15.8 12.2 18.4



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: 0.365 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

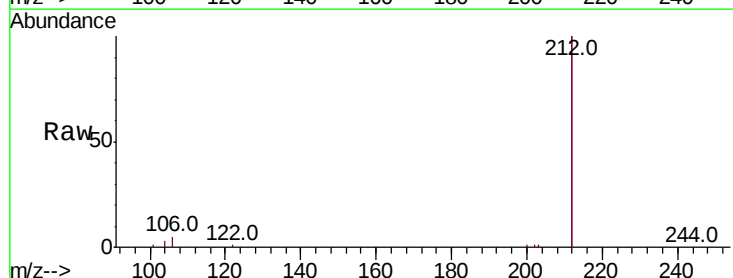
Tgt Ion:212 Resp: 33723

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

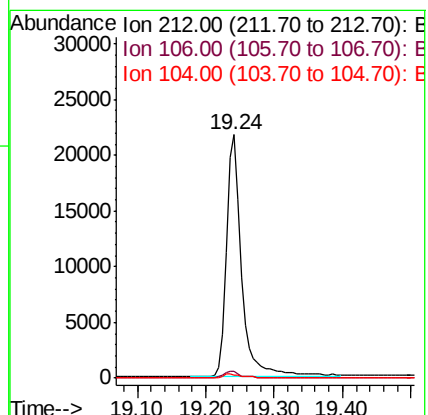
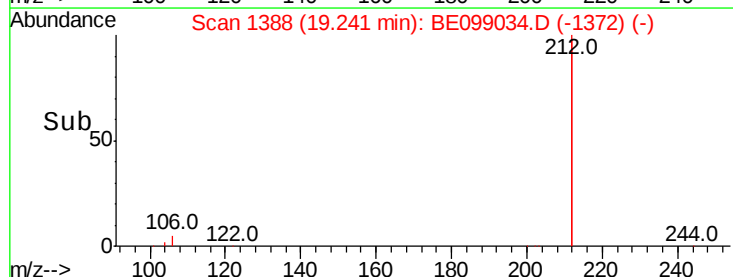
104 1.5 1.0 1.6

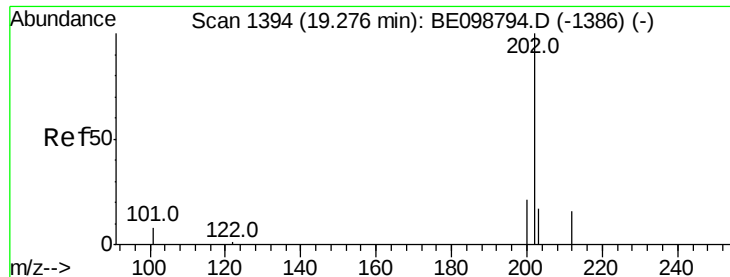


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

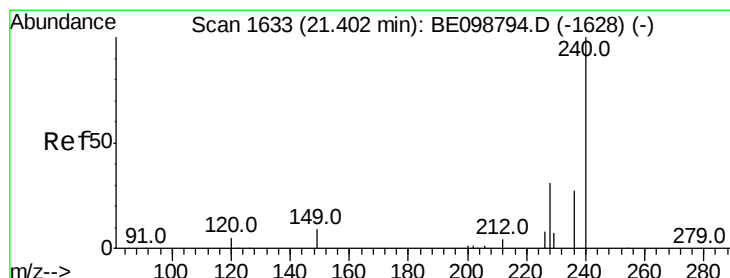
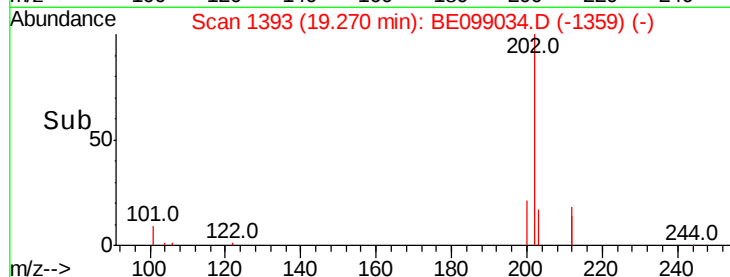
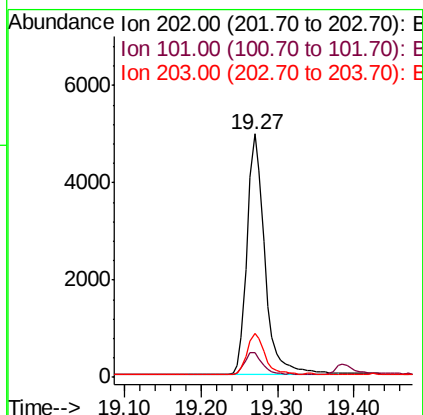
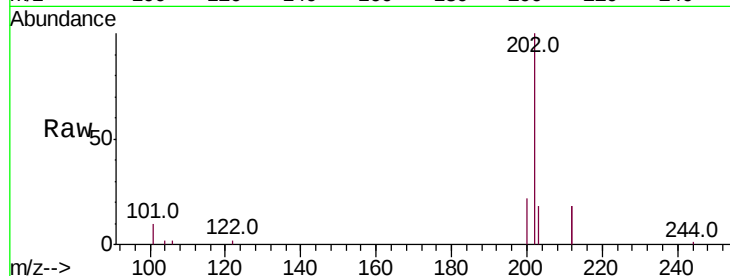




#26
Fluoranthene
Concen: 0.347 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

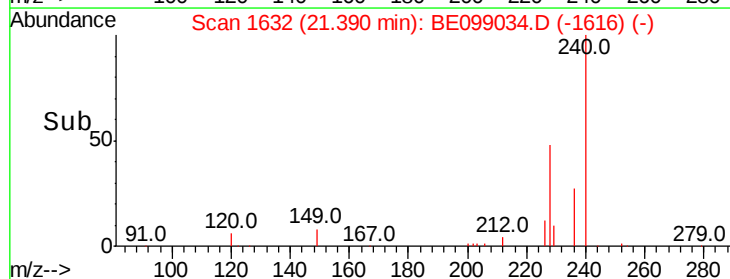
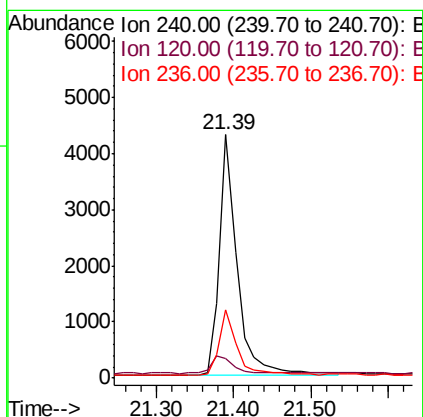
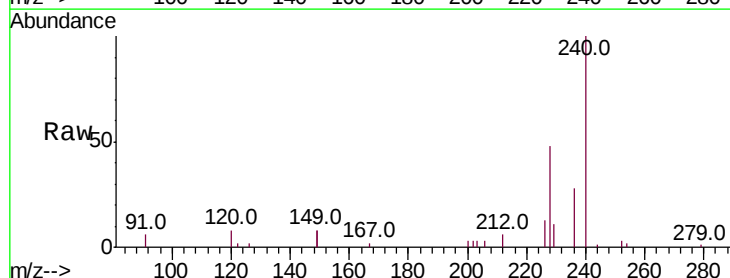
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

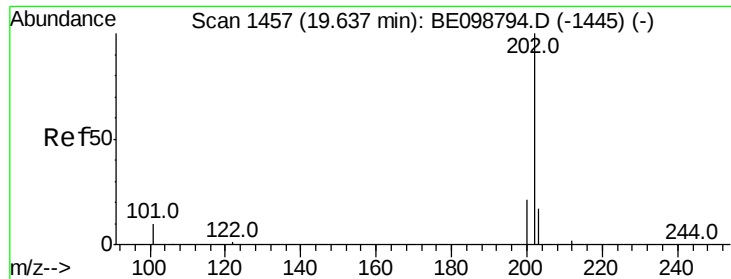
Tot Ion:202 Resp: 8052
Ion Ratio Lower Upper
202 100
101 9.3 7.3 10.9
203 16.9 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:240 Resp: 6897
Ion Ratio Lower Upper
240 100
120 8.1 5.0 7.4#
236 28.0 22.7 34.1

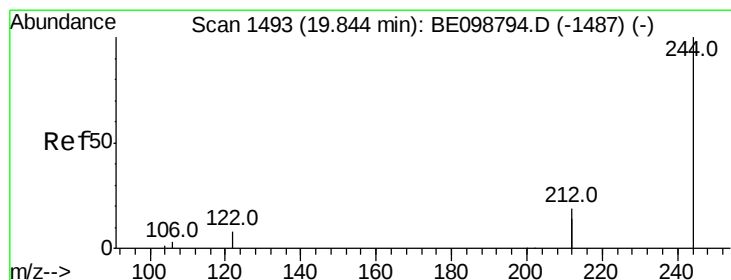
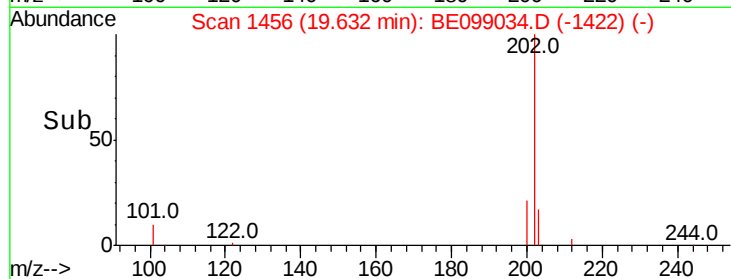
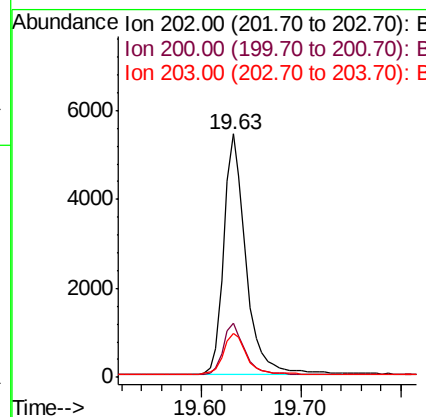
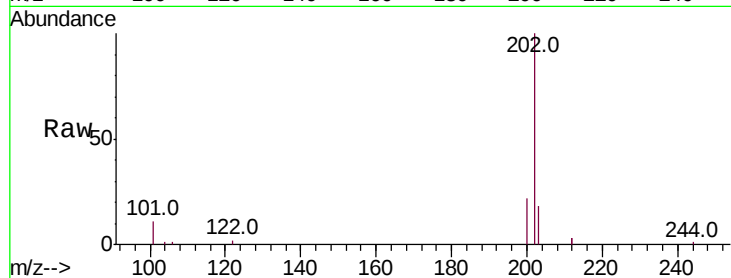




#28
Pvrene
Concen: 0.396 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

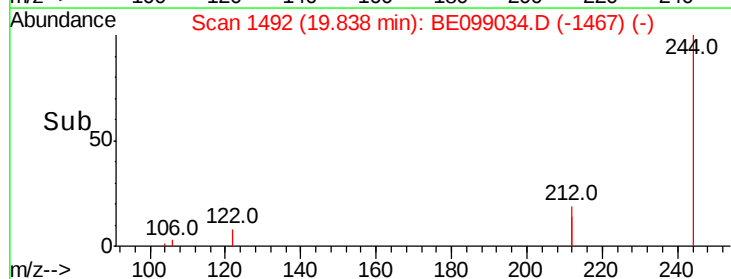
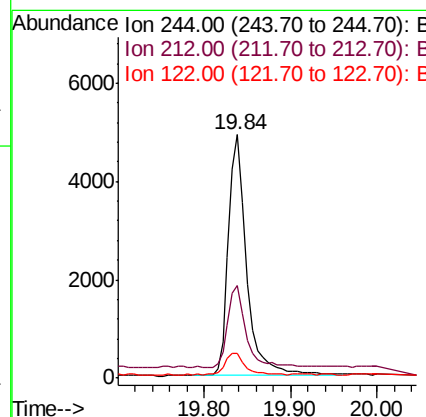
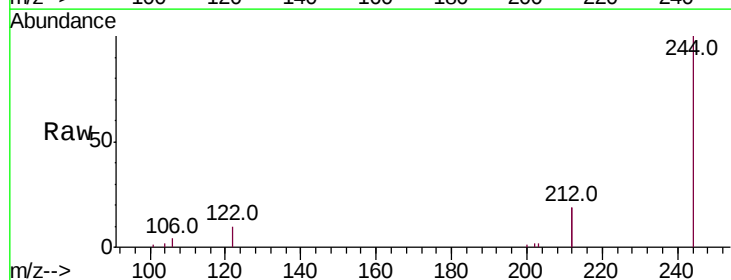
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

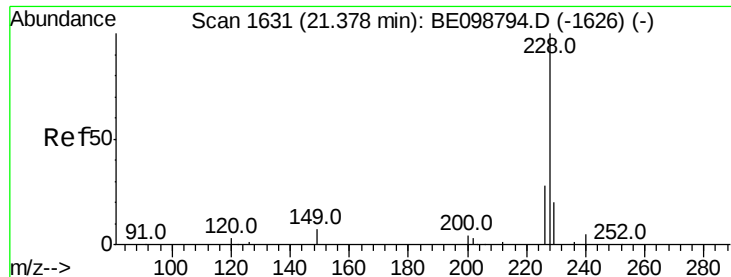
Tot Ion:202 Resp: 8353
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.9 14.2 21.2



#29
Terphenyl-d14
Concen: 0.435 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:244 Resp: 7289
Ion Ratio Lower Upper
244 100
212 37.9 29.4 44.2
122 9.9 7.1 10.7

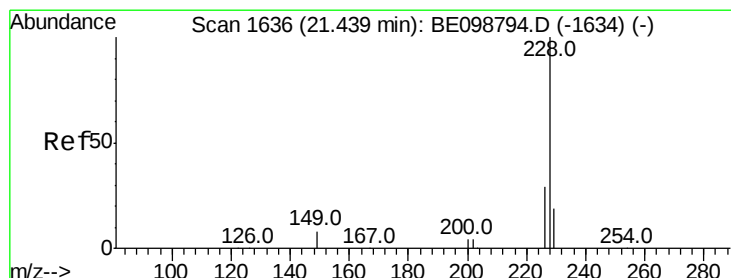
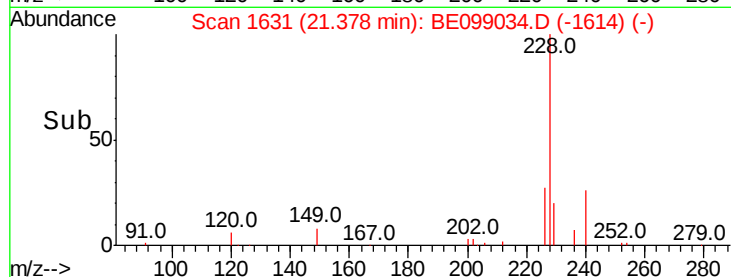
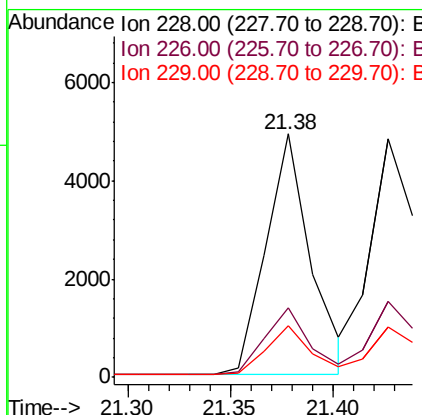
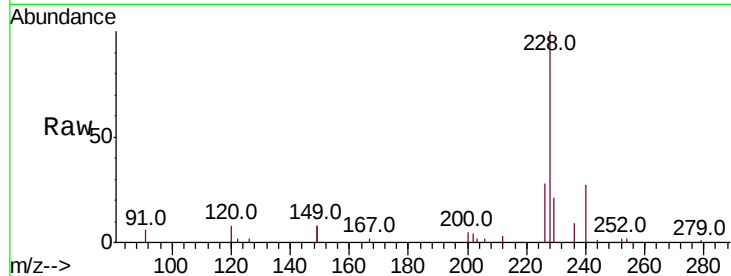




#30
Benzo(a)anthracene
Concen: 0.346 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

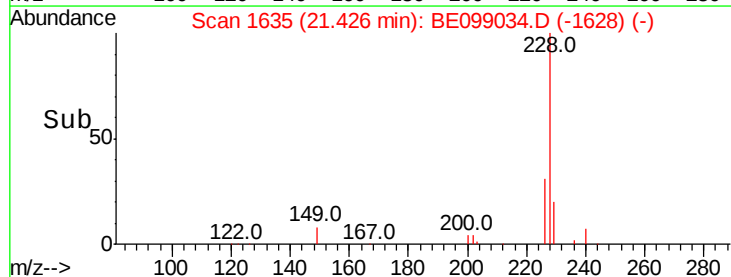
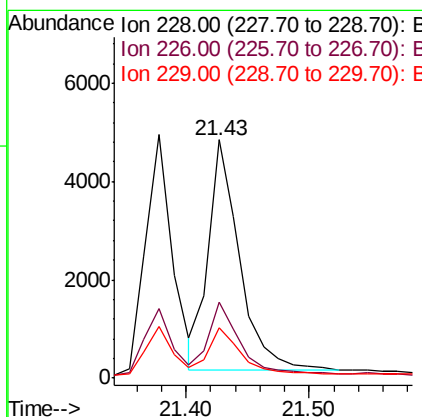
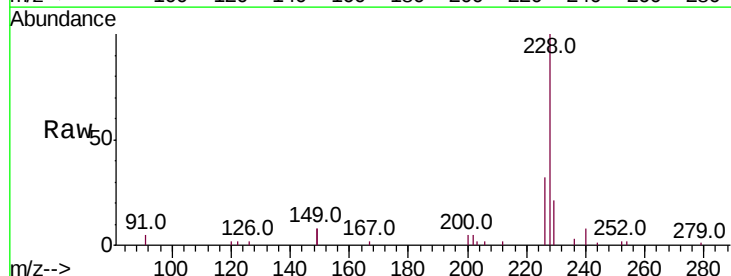
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

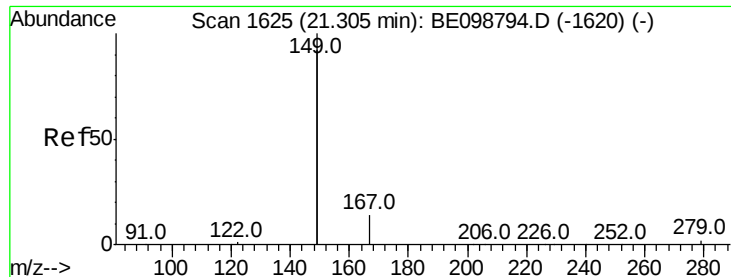
Tot Ion:228 Resp: 7437
Ion Ratio Lower Upper
228 100
226 28.4 23.0 34.4
229 21.3 16.5 24.7



#31
Chrysene
Concen: 0.355 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:228 Resp: 8174
Ion Ratio Lower Upper
228 100
226 31.8 23.7 35.5
229 21.3 16.1 24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.476 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MSD

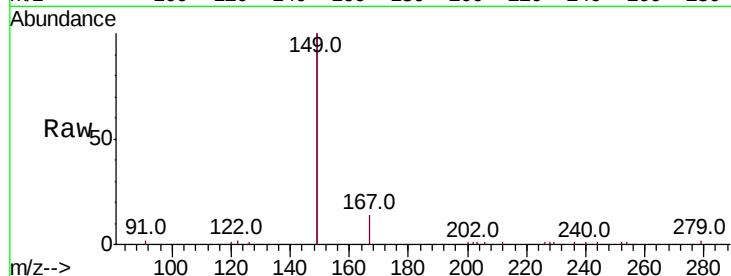
Tot Ion:149 Resp: 21802

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

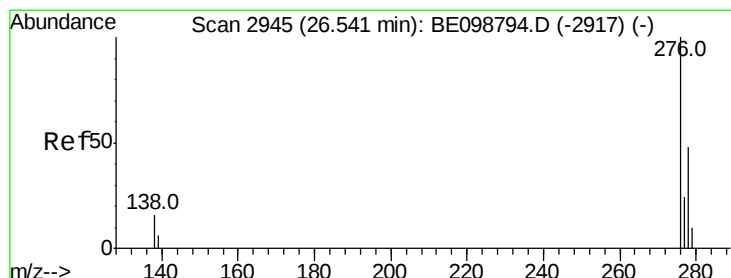
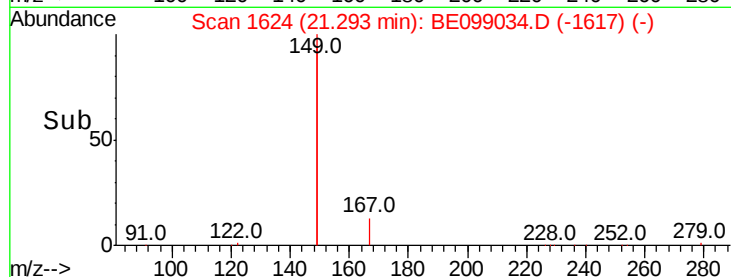
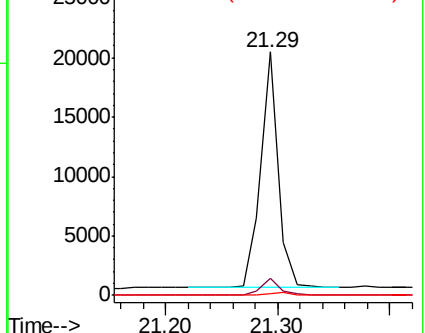
279 1.0 1.0 1.4



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: 0.305 ng

RT: 26.53 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

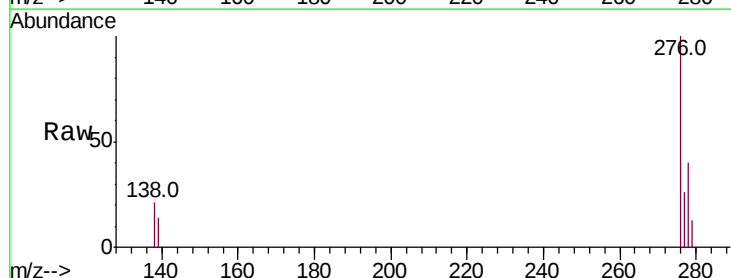
Tgt Ion:276 Resp: 7404

Ion Ratio Lower Upper

276 100

138 18.1 13.8 20.8

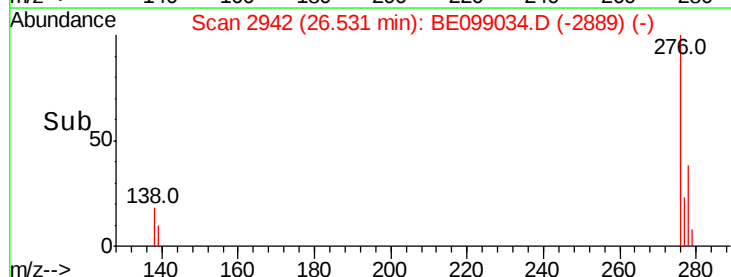
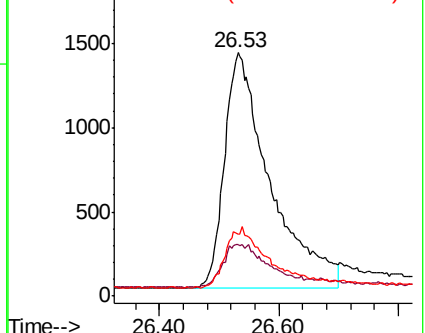
277 23.4 19.5 29.3

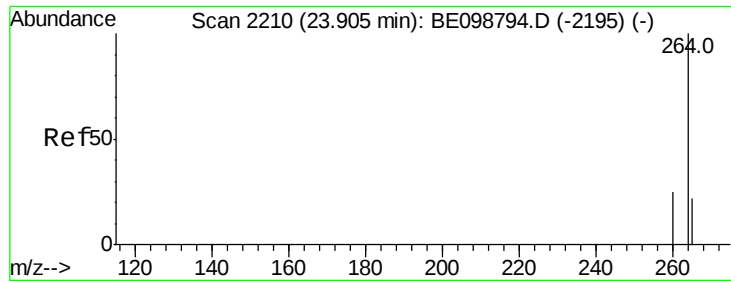


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

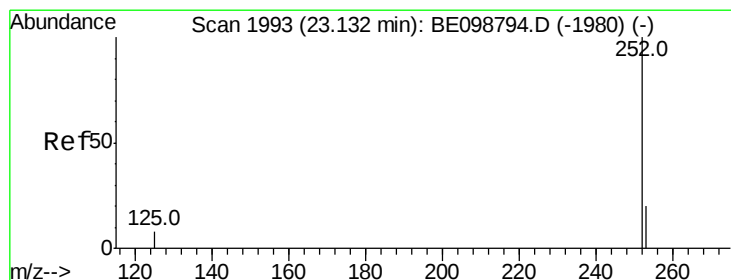
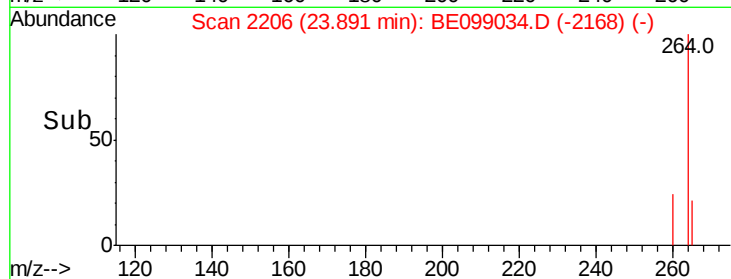
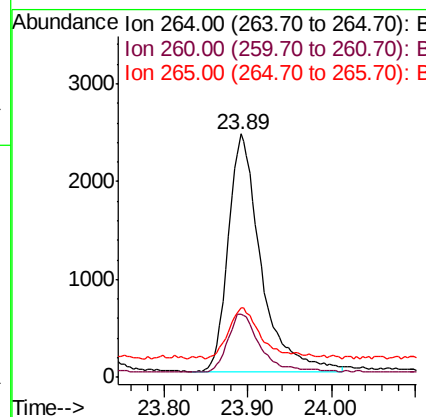
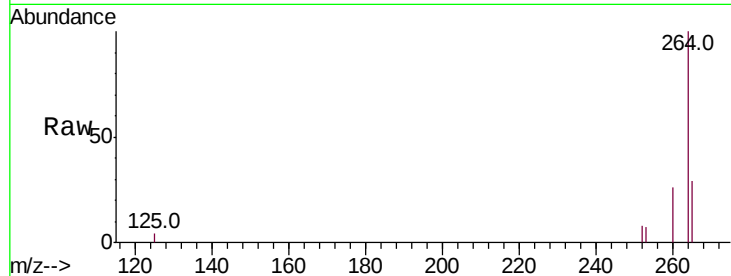




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

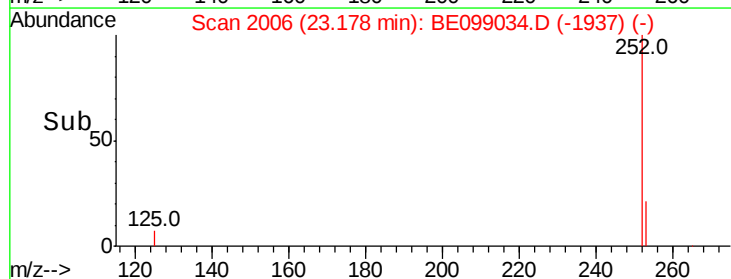
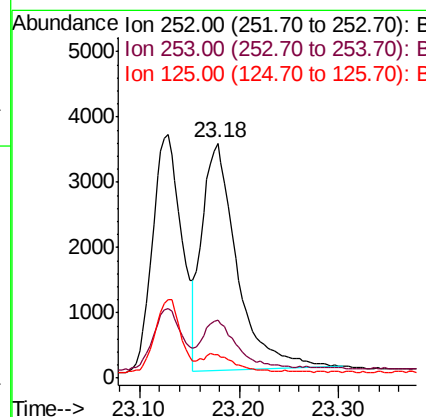
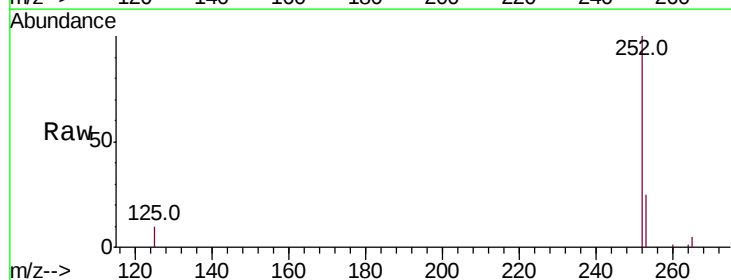
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

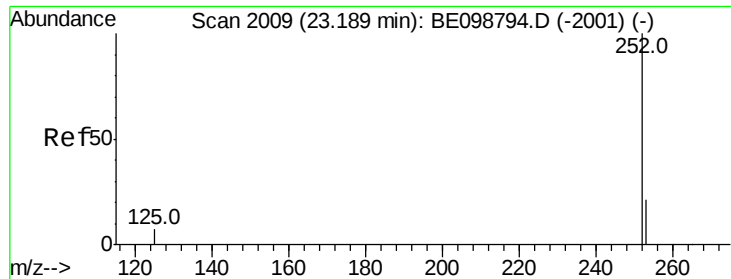
Tot Ion:264 Resp: 6567
Ion Ratio Lower Upper
264 100
260 25.9 21.2 31.8
265 28.7 24.6 36.8



#35
Benzo(b)fluoranthene
Concen: 0.392 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.05 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:252 Resp: 8454
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 9.9 7.3 10.9

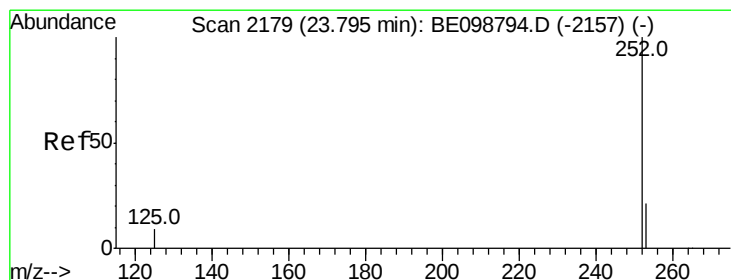
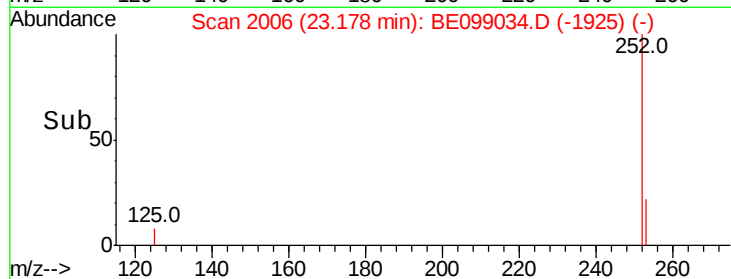
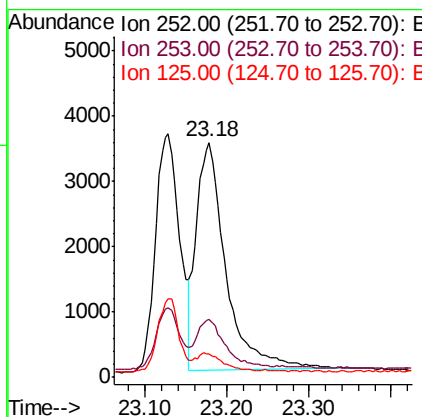
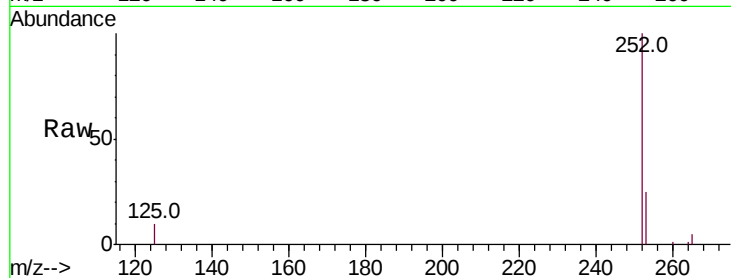




#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

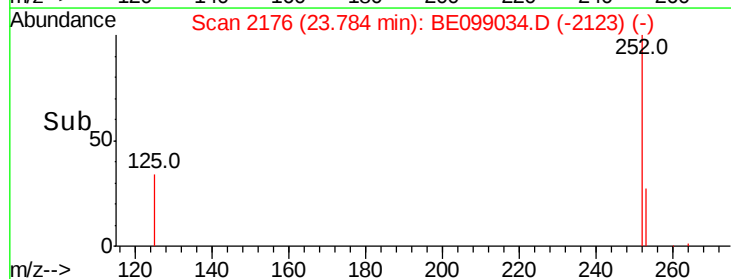
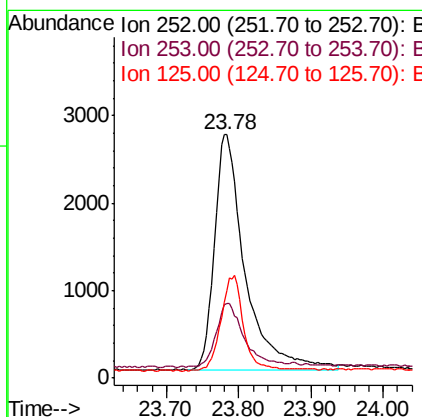
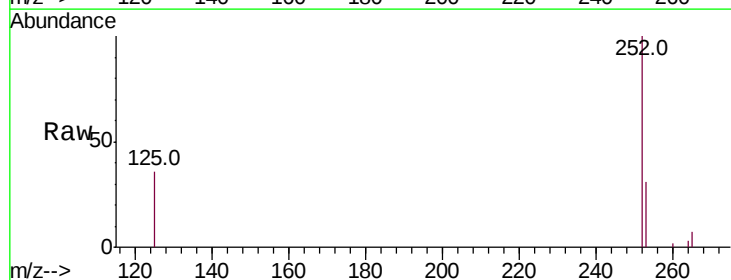
Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20190314MSD

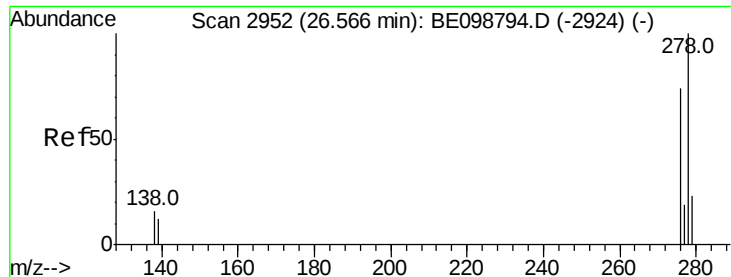
Tot Ion:252 Resp: 8725
Ion Ratio Lower Upper
252 100
253 24.6 19.3 28.9
125 9.9 7.5 11.3



#37
Benzo(a)pyrene
Concen: 0.382 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE099034.D
Acq: 19 Mar 2019 14:19

Tgt Ion:252 Resp: 7913
Ion Ratio Lower Upper
252 100
253 30.5 19.9 29.9#
125 35.9 9.0 13.4#





#38

Dibenzo(a,h)anthracene

Concen: 0.277 ng

RT: 26.56 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MSD

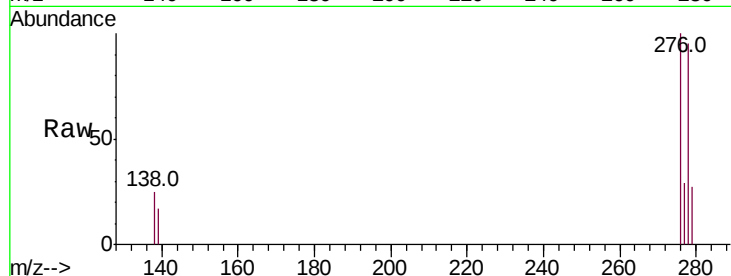
Tot Ion:278 Resp: 5435

Ion Ratio Lower Upper

278 100

139 18.1 11.8 17.6#

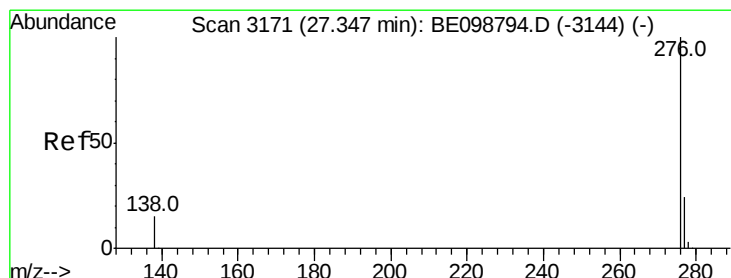
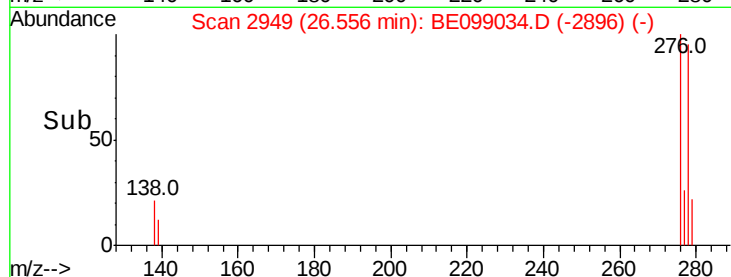
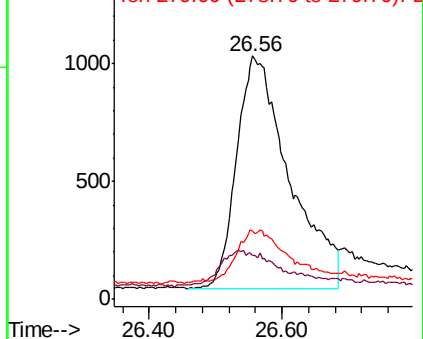
279 28.1 21.1 31.7



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(g,h,i)perylene

Concen: 0.326 ng

RT: 27.34 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BE099034.D

Acq: 19 Mar 2019 14:19

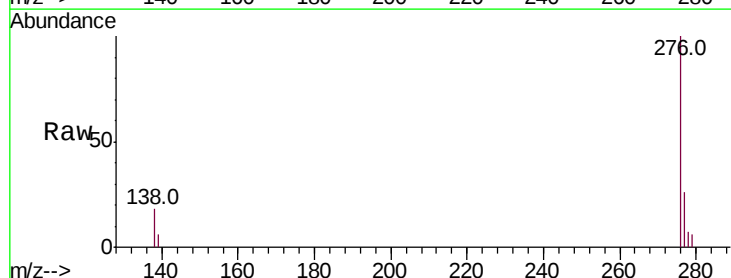
Tgt Ion:276 Resp: 6673

Ion Ratio Lower Upper

276 100

277 26.0 20.4 30.6

138 18.5 13.6 20.4



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

