

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031919\
 Data File : BE099033.D
 Acq On : 19 Mar 2019 13:38
 Operator : JU/SJ
 Sample : K1937-13MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 19 14:14:08 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	838	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3792	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2501	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	6021	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	7037	0.40	ng	-0.01
34) Perylene-d12	23.89	264	6727	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	347	0.14	ng	0.04
5) Phenol-d6	7.00	99	376	0.11	ng	0.01
8) Nitrobenzene-d5	8.96	82	1447	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3246	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	484	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	4551	0.44	ng	-0.01
25) Fluoranthene-d10	19.24	212	35020	0.36	ng	-0.01
29) Terphenyl-d14	19.83	244	7536	0.44	ng	-0.01

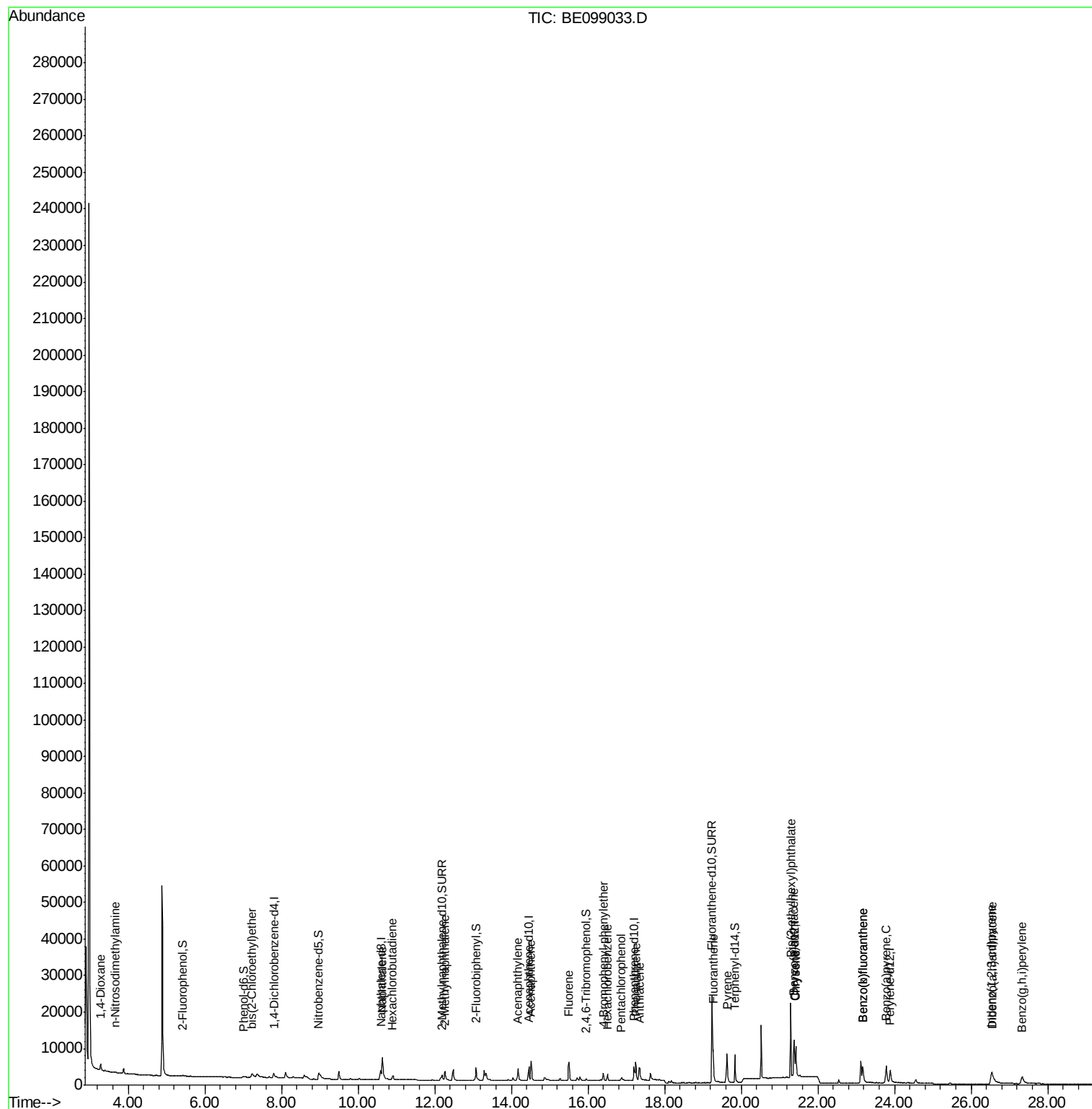
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	1075	0.729	ng	# 69
3) n-Nitrosodimethylamine	3.65	42	125	0.059	ng	# 14
6) bis(2-Chloroethyl)ether	7.23	93	1077	0.394	ng	78
9) Naphthalene	10.63	128	15118	0.348	ng	100
10) Hexachlorobutadiene	10.90	225	829	0.289	ng	99
12) 2-Methylnaphthalene	12.27	142	2506	0.356	ng	97
16) Acenaphthylene	14.17	152	4463	0.347	ng	97
17) Acenaphthene	14.51	154	2702	0.354	ng	98
18) Fluorene	15.50	166	3828	0.348	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	1247	0.382	ng	# 81
21) Hexachlorobenzene	16.50	284	1340	0.345	ng	99
22) Pentachlorophenol	16.87	266	803	0.872	ng	# 81
23) Phenanthrene	17.24	178	6338	0.370	ng	99
24) Anthracene	17.33	178	5186	0.355	ng	99
26) Fluoranthene	19.27	202	8403	0.348	ng	99
28) Pyrene	19.63	202	8568	0.398	ng	99
30) Benzo(a)anthracene	21.38	228	7827	0.356	ng	98
31) Chrysene	21.43	228	8383	0.357	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	23112	0.494	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	7416	0.299	ng	98
35) Benzo(b)fluoranthene	23.17	252	8757	0.396	ng	95
36) Benzo(k)fluoranthene	23.17	252	9024	0.390	ng	97
37) Benzo(a)pyrene	23.78	252	8007	0.378	ng	# 69
38) Dibenzo(a,h)anthracene	26.55	278	5718	0.285	ng	# 94
39) Benzo(g,h,i)perylene	27.33	276	6825	0.325	ng	98

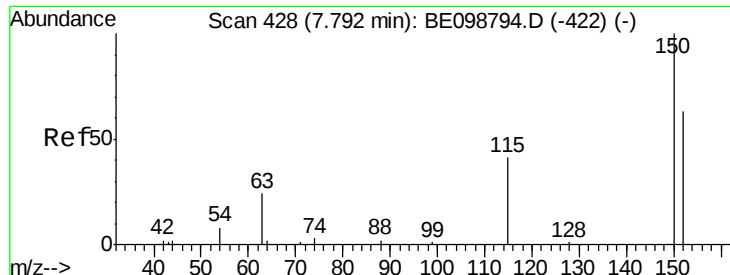
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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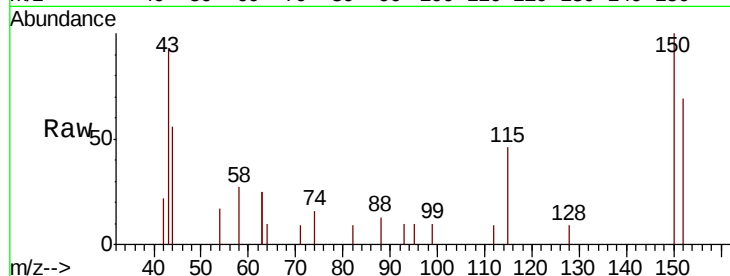


#1

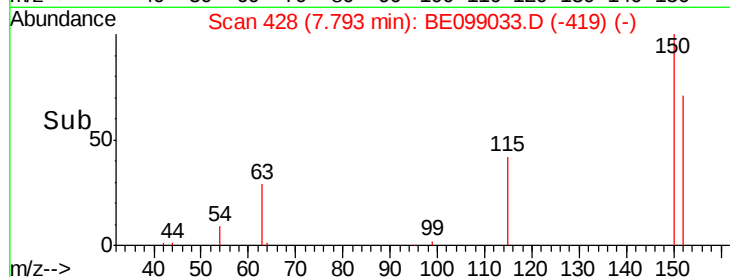
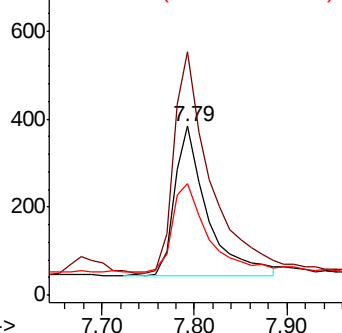
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

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

Tot Ion:152 Resp: 838
Ion Ratio Lower Upper
152 100
150 144.4 122.5 183.7
115 66.3 57.4 86.2



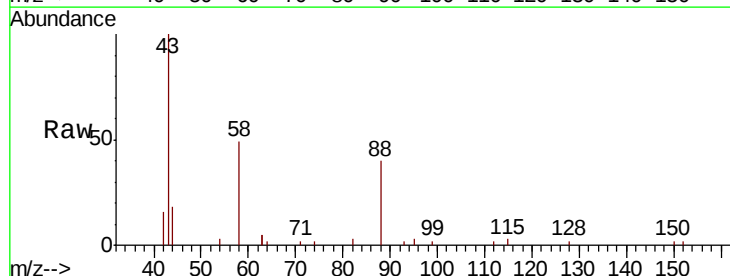
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



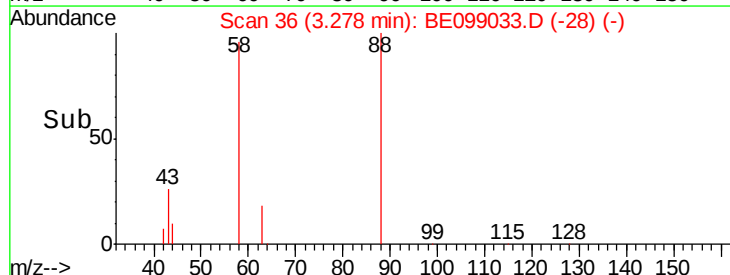
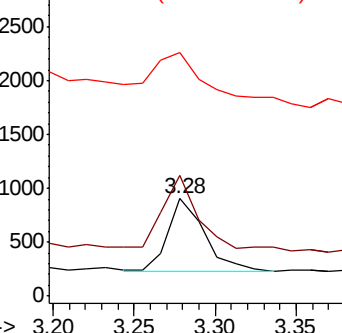
#2

1,4-Dioxane
Concen: 0.729 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

Tgt Ion: 88 Resp: 1075
Ion Ratio Lower Upper
88 100
58 101.5 75.8 113.6
43 104.2 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



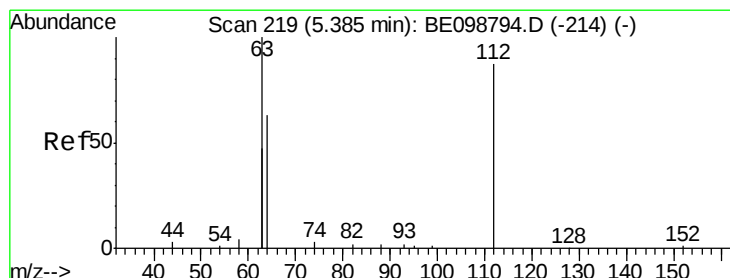
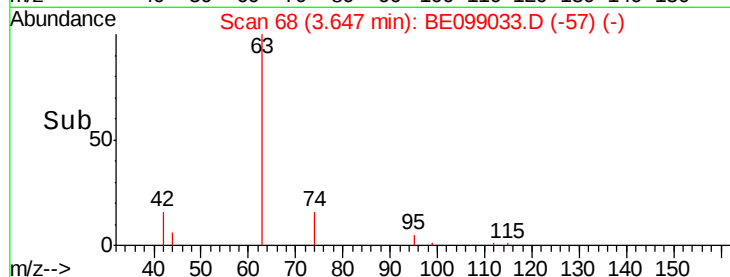
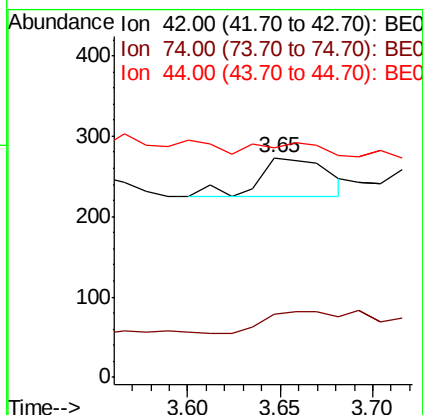
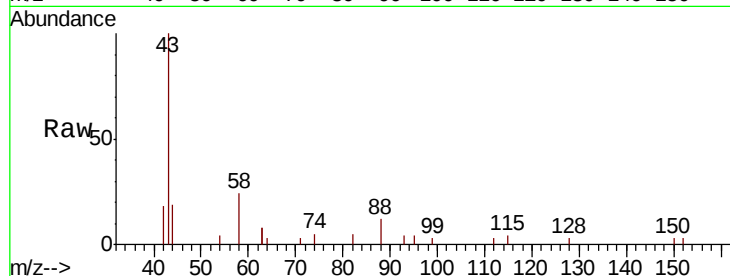


#3

n-Nitrosodimethylamine
 Concen: 0.059 ng
 RT: 3.65 min Scan# 68
 Delta R.T. 0.02 min
 Lab File: BE099033.D
 Acq: 19 Mar 2019 13:38

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

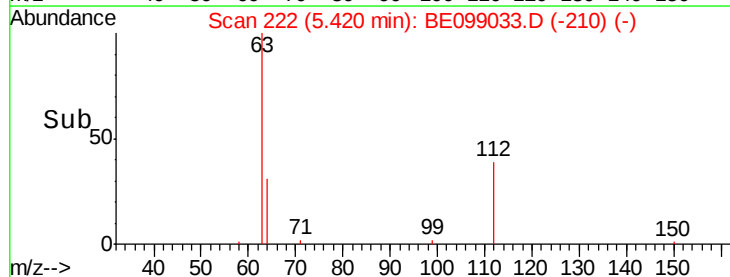
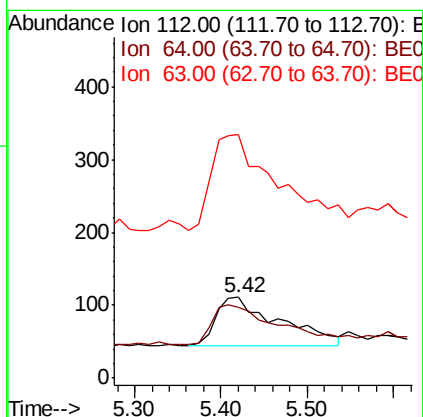
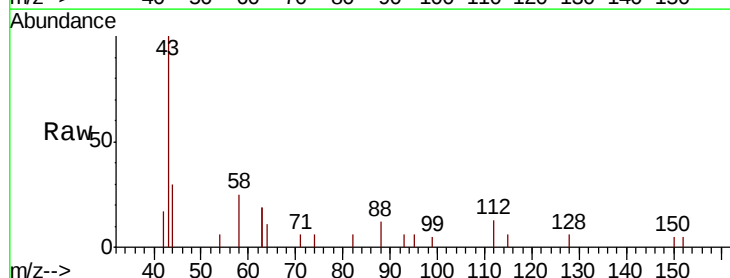
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	57.0	85.4#
44	28.8	0.0	0.0#



#4

2-Fluorophenol
 Concen: 0.139 ng
 RT: 5.42 min Scan# 222
 Delta R.T. 0.04 min
 Lab File: BE099033.D
 Acq: 19 Mar 2019 13:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	88.8	57.9	86.9#
63	211.0	158.3	237.5





#5

Phenol-d6

Concen: 0.106 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

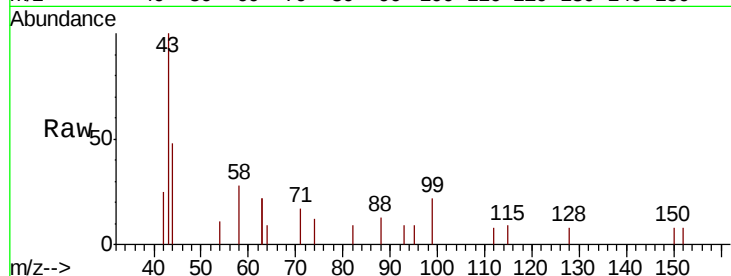
Tot Ion: 99 Resp: 376

Ion Ratio Lower Upper

99 100

42 32.2 24.2 36.2

71 43.6 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

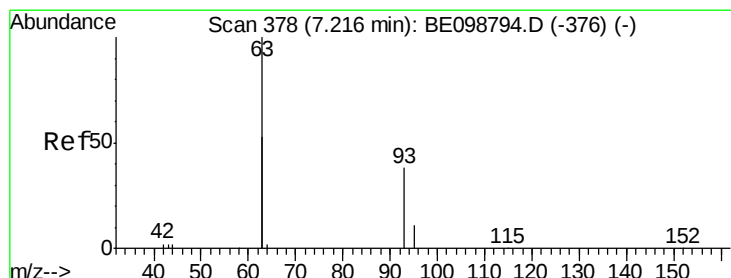
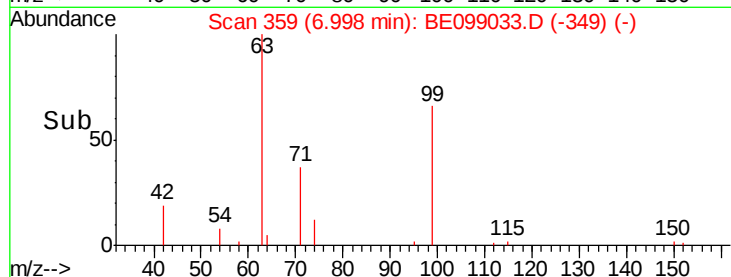
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.394 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

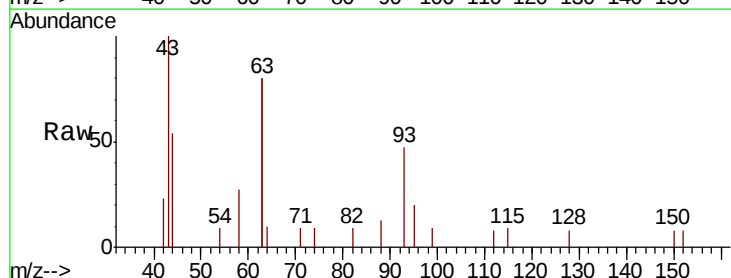
Tgt Ion: 93 Resp: 1077

Ion Ratio Lower Upper

93 100

63 260.6 247.5 371.3

95 27.1 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

1200

1000

800

600

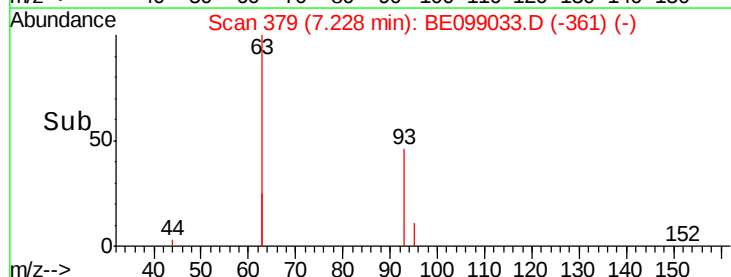
400

200

0

7.00 7.10 7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

Tot Ion:136 Resp: 3792

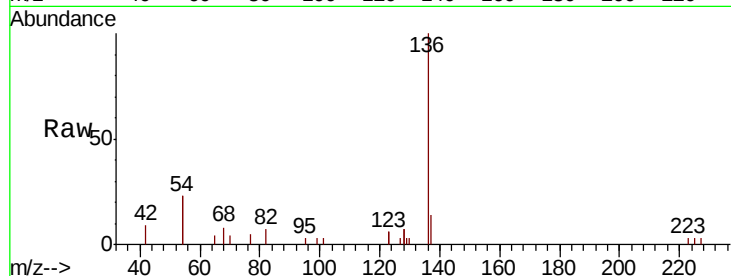
Ion Ratio Lower Upper

136 100

137 13.7 11.4 17.0

54 46.9 39.3 58.9

68 8.1 6.7 10.1

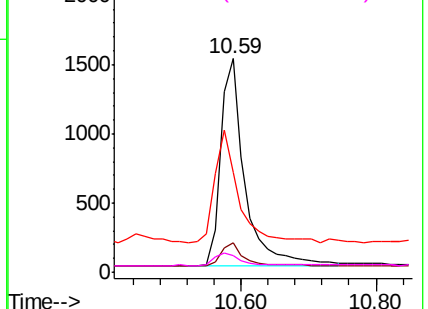
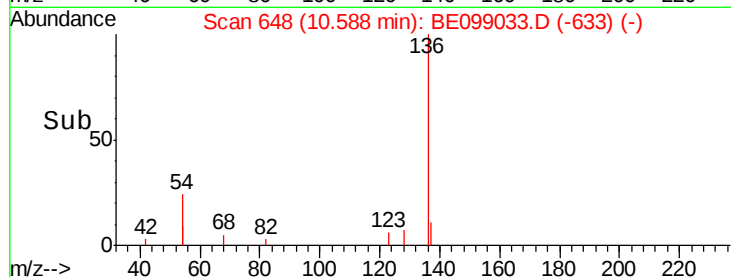


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.364 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

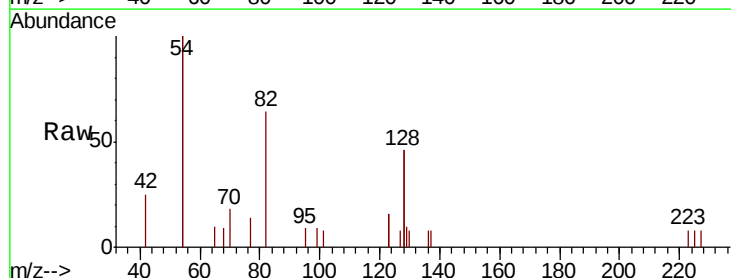
Tgt Ion: 82 Resp: 1447

Ion Ratio Lower Upper

82 100

128 144.4 123.8 185.8

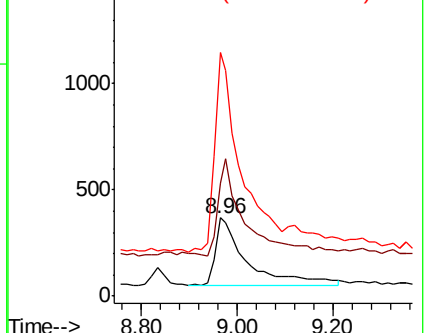
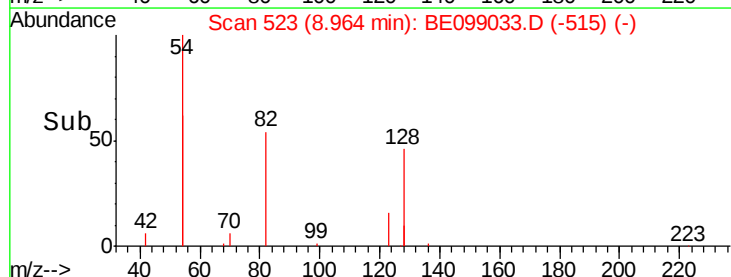
54 312.3 203.4 305.2#



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: 0.348 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

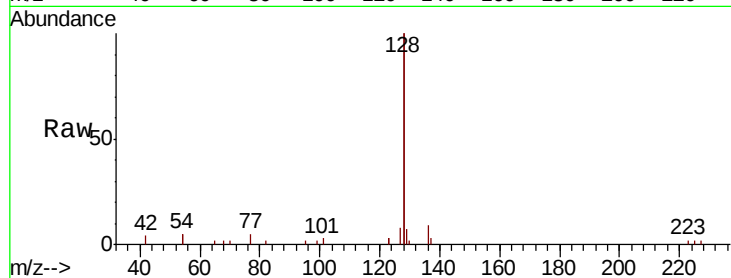
Tot Ion:128 Resp: 15118

Ion Ratio Lower Upper

128 100

129 3.5 2.6 4.0

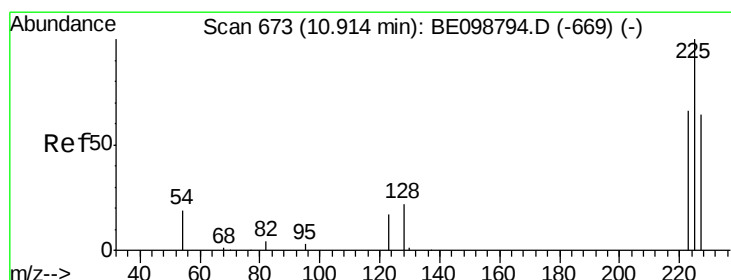
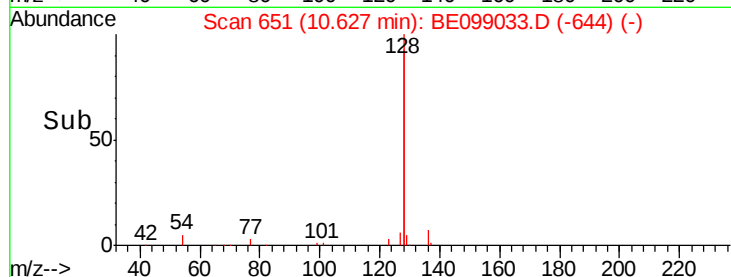
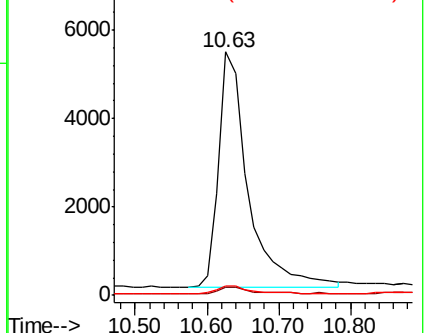
127 4.0 3.1 4.7



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: 0.289 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

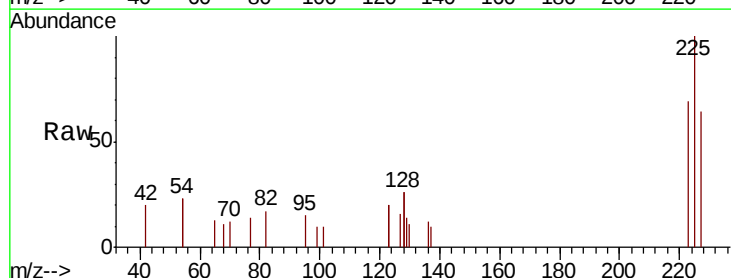
Tgt Ion:225 Resp: 829

Ion Ratio Lower Upper

225 100

223 64.5 51.1 76.7

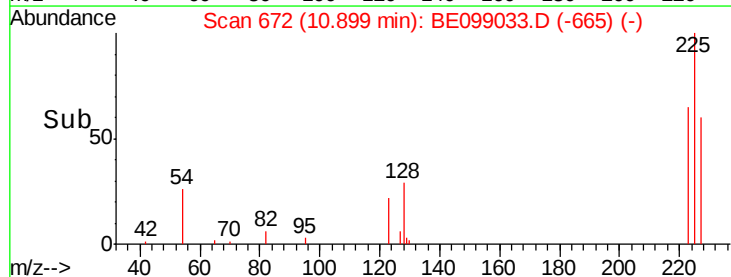
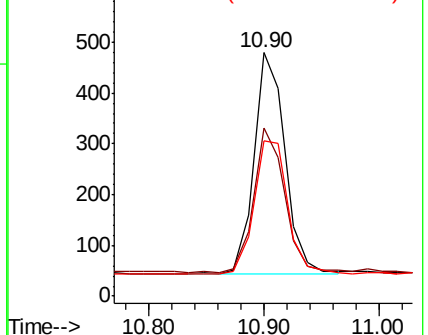
227 64.7 51.6 77.4



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: 0.463 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

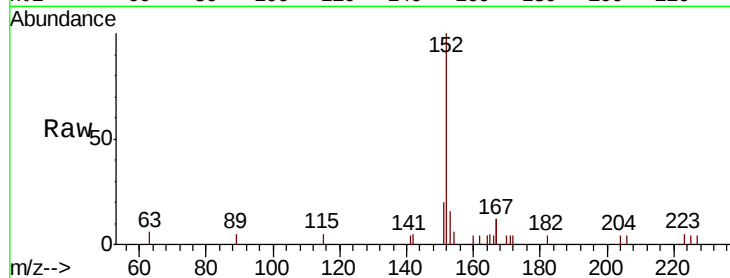
BP-TT-SW4002-20190314MS

Tot Ion:152 Resp: 3246

Ion Ratio Lower Upper

152 100

151 15.8 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.19

1200

1000

800

600

400

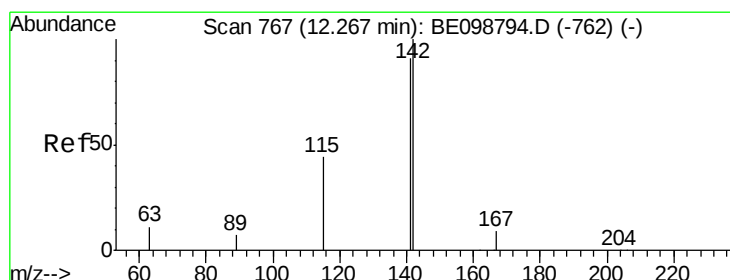
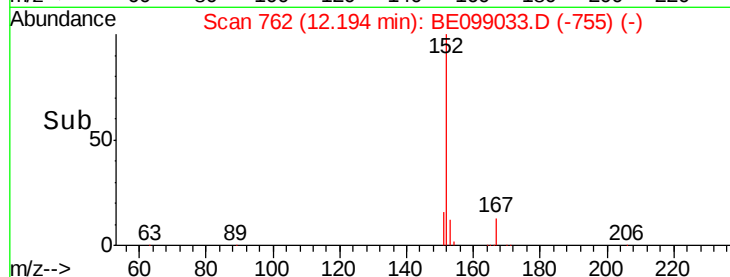
200

0

Time--> 12.00

12.20

12.40



#12

2-Methylnaphthalene

Concen: 0.356 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

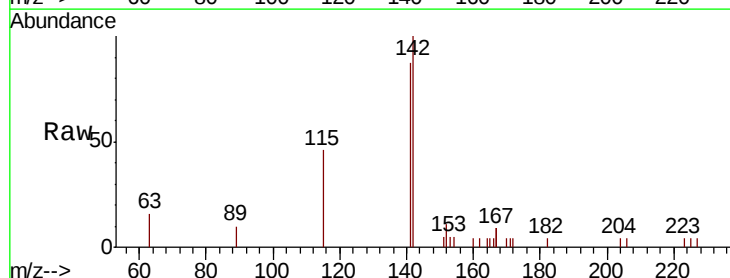
Tgt Ion:142 Resp: 2506

Ion Ratio Lower Upper

142 100

141 87.0 72.6 108.8

115 45.6 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

12.27

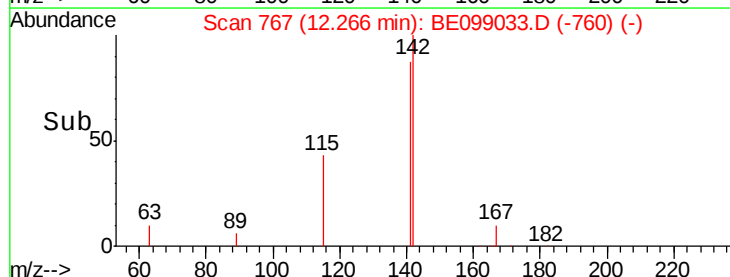
1000

500

0

Time--> 12.20

12.30

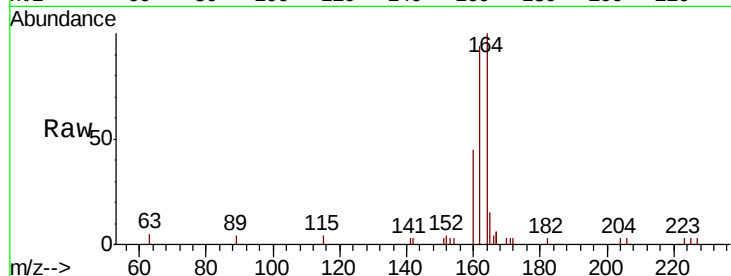




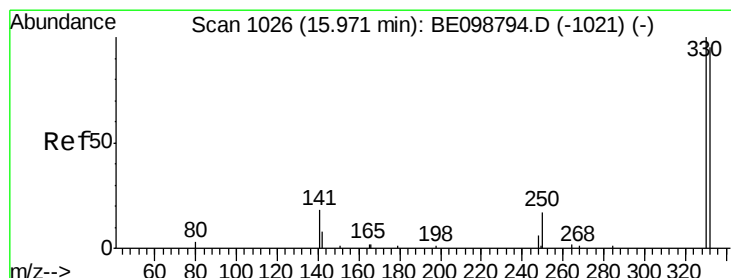
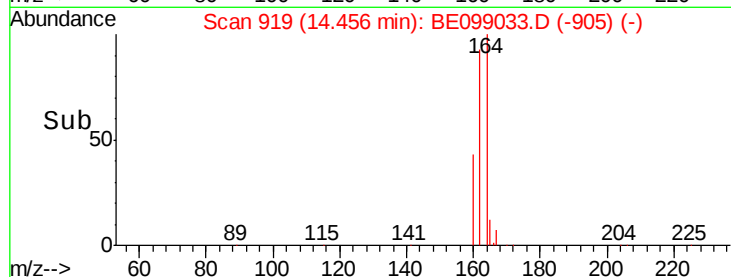
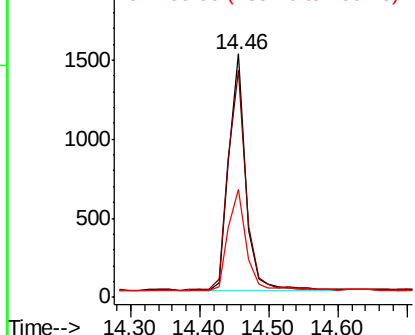
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

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

Tot Ion:164 Resp: 2501
Ion Ratio Lower Upper
164 100
162 93.5 80.2 120.2
160 44.5 37.8 56.8

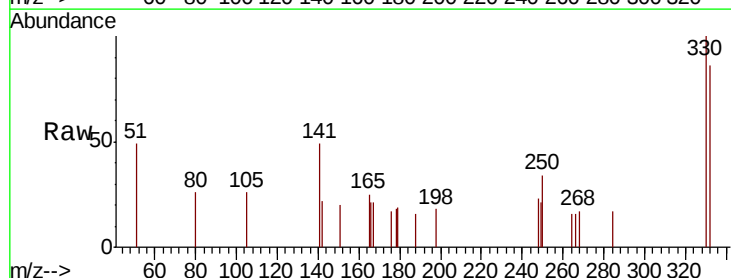


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

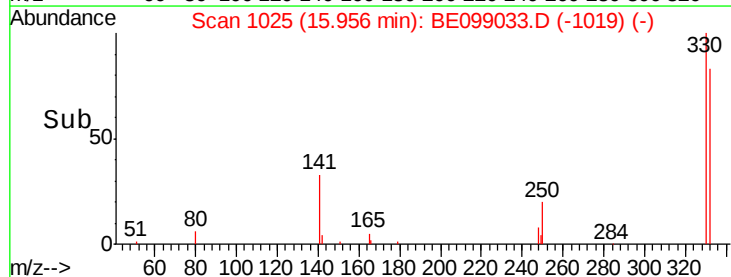
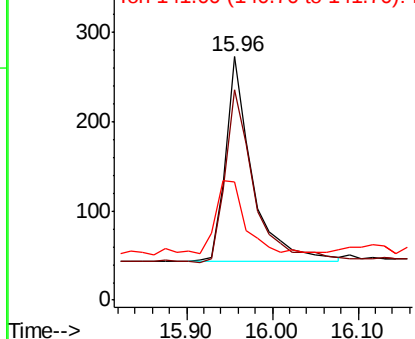


#14
2,4,6-Tribromophenol
Concen: 0.383 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

Tgt Ion:330 Resp: 484
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 41.1 31.0 46.4



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

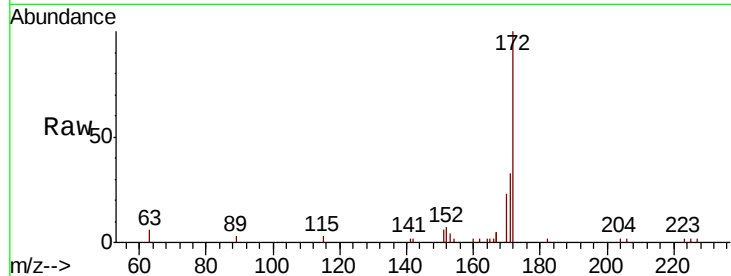




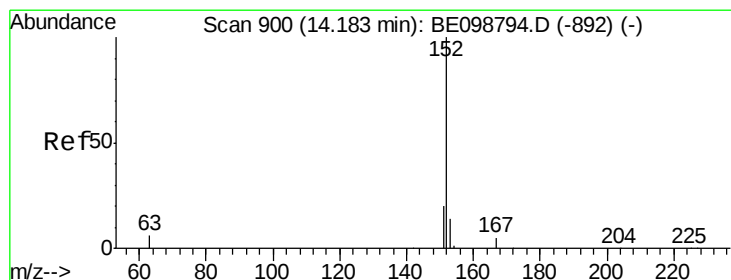
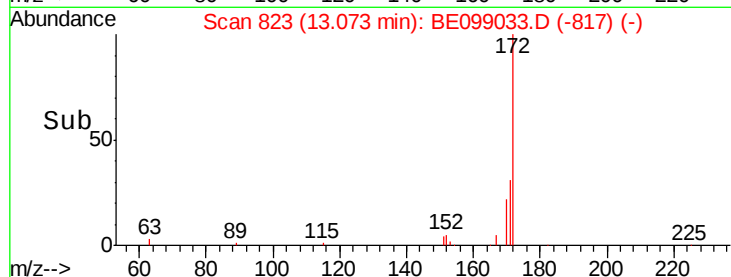
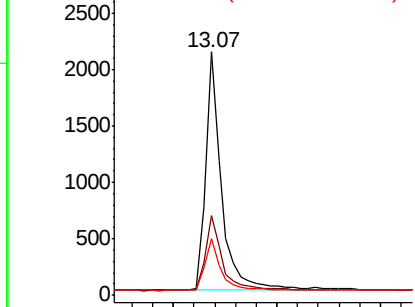
#15
2-Fluorobiphenyl
Concen: 0.440 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

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

Tot Ion:172 Resp: 4551
Ion Ratio Lower Upper
172 100
171 32.8 28.0 42.0
170 23.5 17.7 26.5

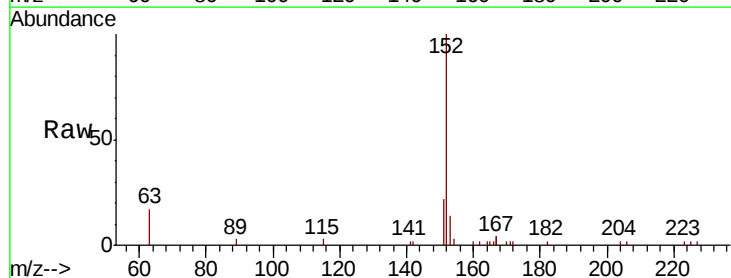


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

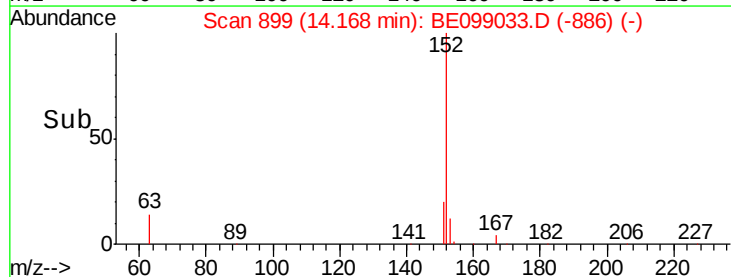
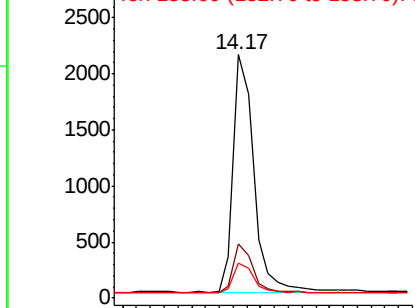


#16
Acenaphthylene
Concen: 0.347 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

Tgt Ion:152 Resp: 4463
Ion Ratio Lower Upper
152 100
151 19.9 17.0 25.6
153 12.4 11.2 16.8



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

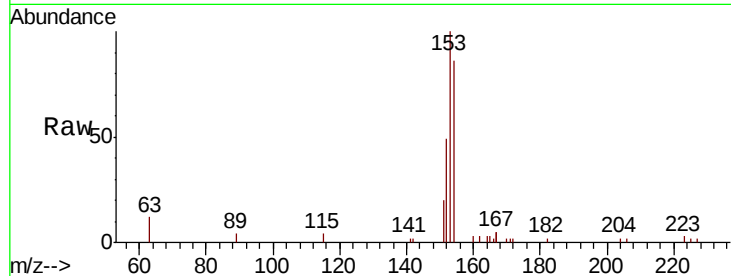




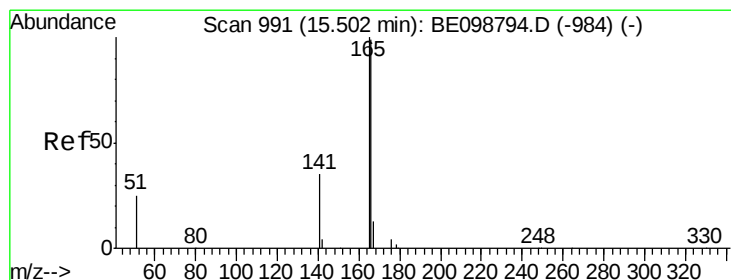
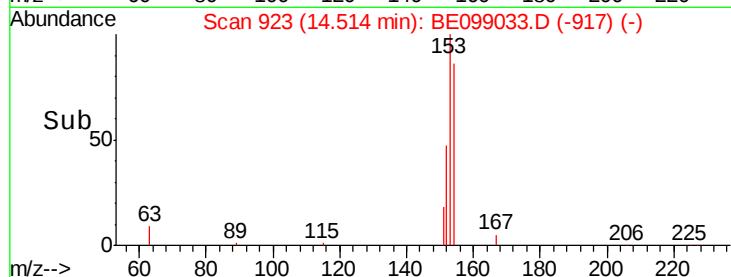
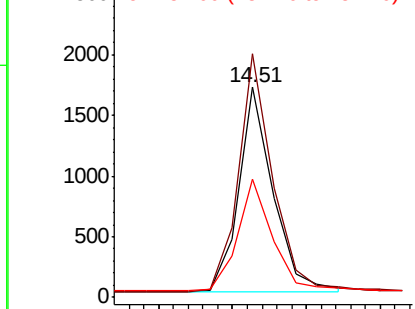
#17
Acenaphthene
Concen: 0.354 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

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

Tot Ion:154 Resp: 2702
Ion Ratio Lower Upper
154 100
153 115.5 94.2 141.4
152 56.4 45.0 67.4

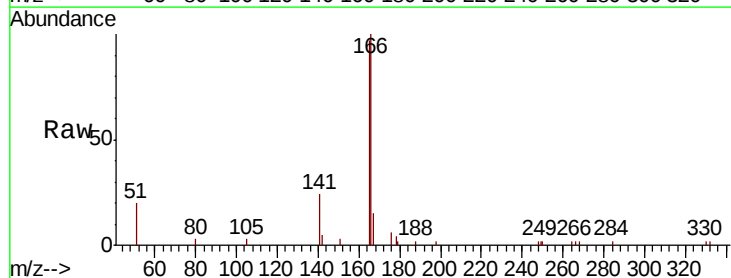


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

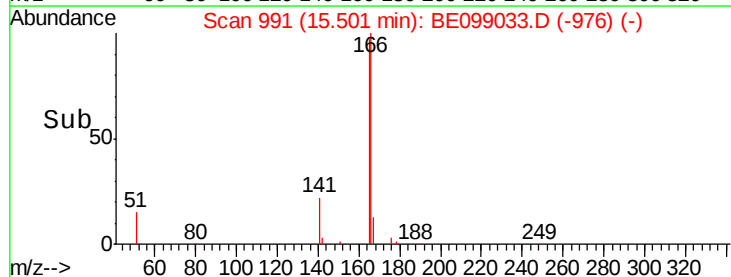
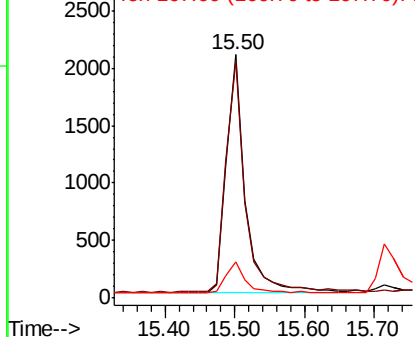


#18
Fluorene
Concen: 0.348 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

Tgt Ion:166 Resp: 3828
Ion Ratio Lower Upper
166 100
165 97.8 79.3 118.9
167 13.4 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

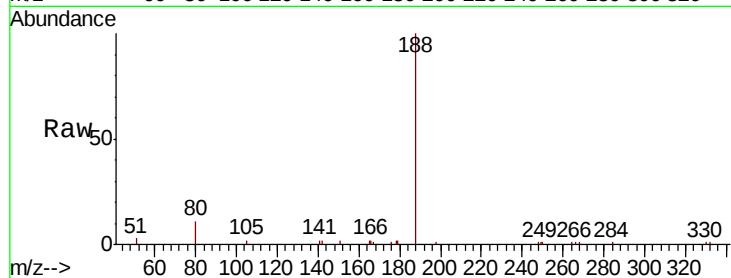
Tot Ion:188 Resp: 6021

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

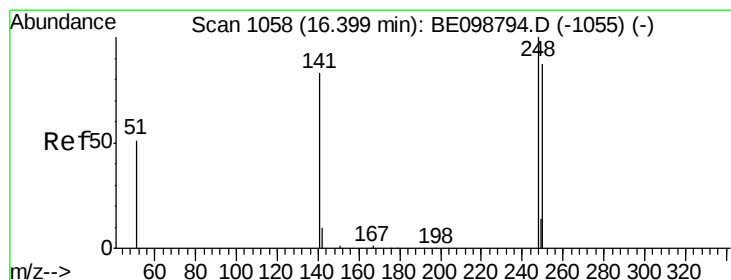
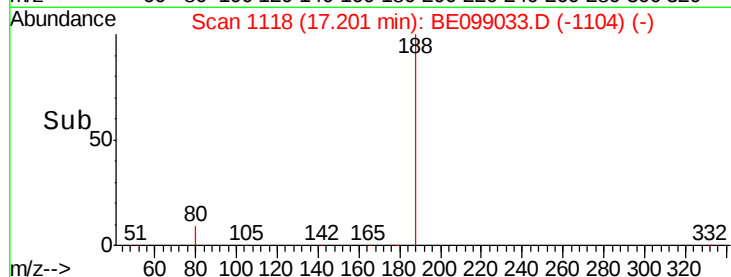
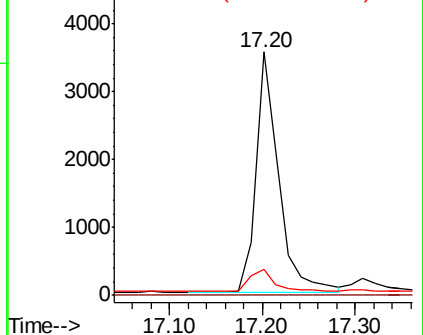
80 10.5 6.3 9.5#



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: 0.382 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

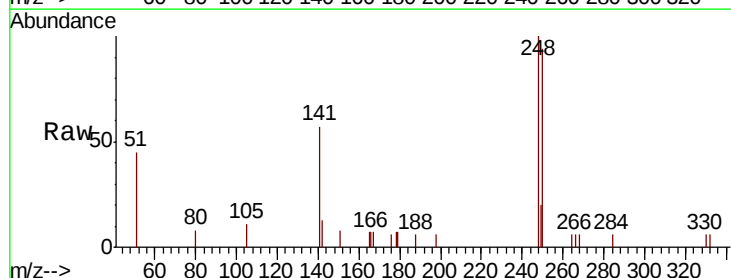
Tgt Ion:248 Resp: 1247

Ion Ratio Lower Upper

248 100

250 93.7 70.6 105.8

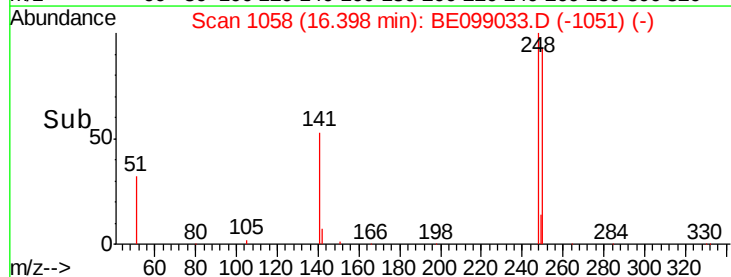
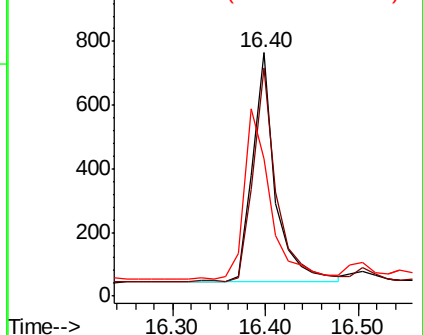
141 56.6 68.6 102.8#

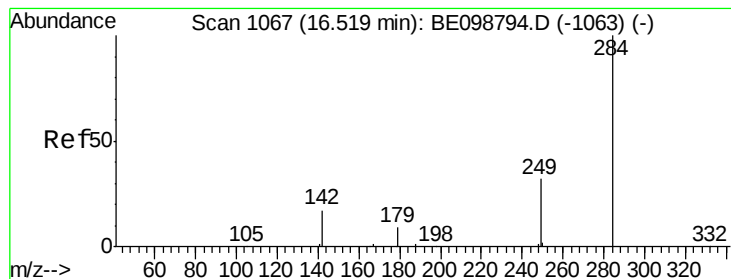


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.345 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

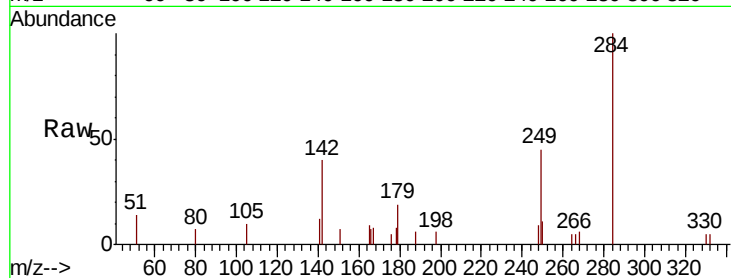
Tot Ion:284 Resp: 1340

Ion Ratio Lower Upper

284 100

142 36.9 28.7 43.1

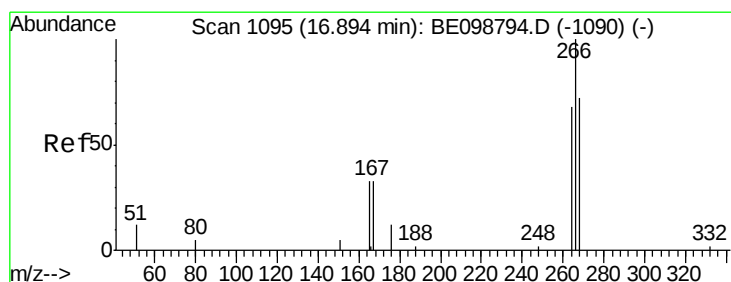
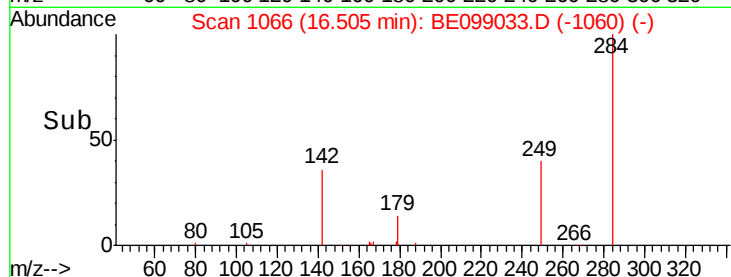
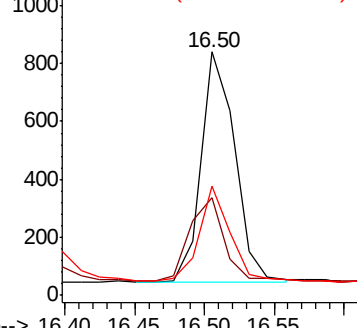
249 37.3 29.6 44.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.872 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.03 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

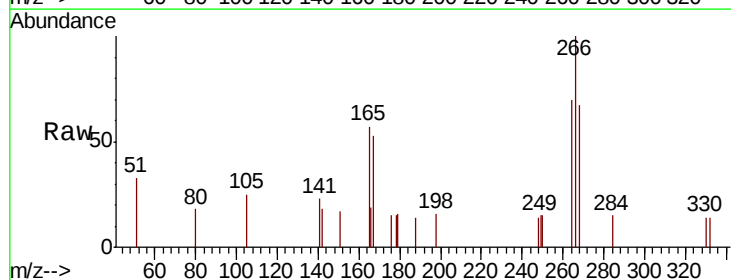
Tgt Ion:266 Resp: 803

Ion Ratio Lower Upper

266 100

264 70.1 66.6 100.0

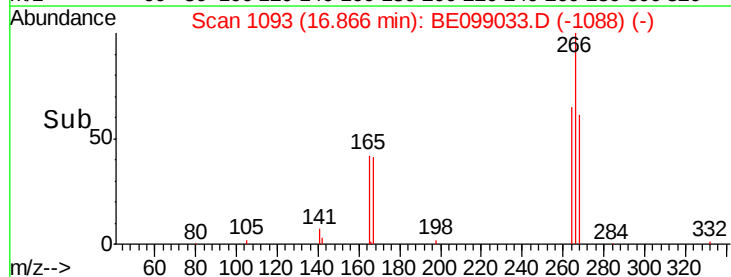
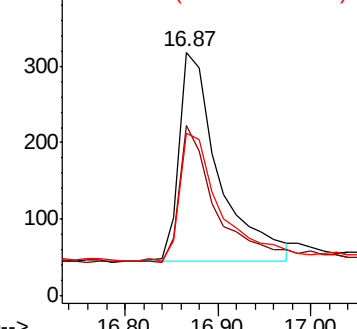
268 66.7 69.8 104.8#



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





#23

Phenanthrene

Concen: 0.370 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

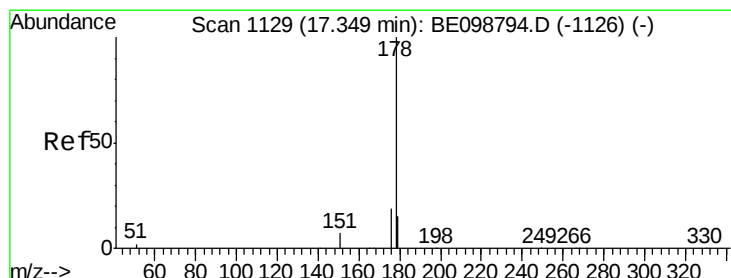
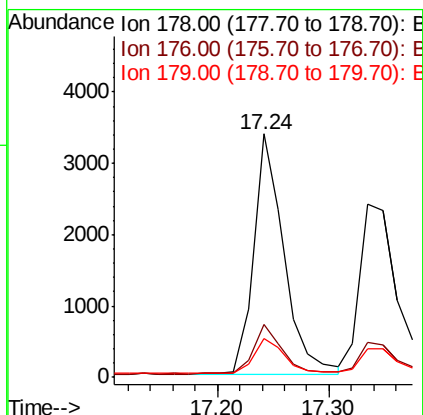
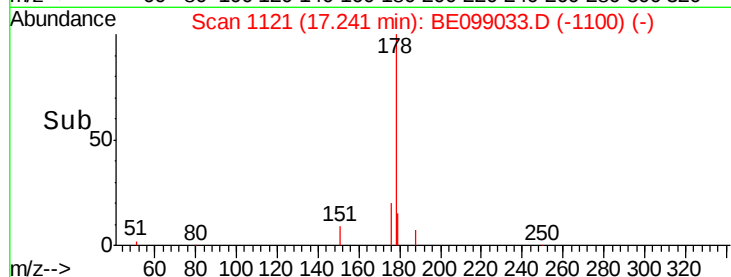
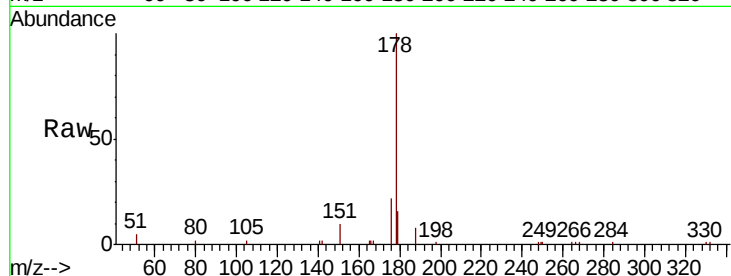
Tot Ion:178 Resp: 6338

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

179 15.3 12.1 18.1



#24

Anthracene

Concen: 0.355 ng

RT: 17.33 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

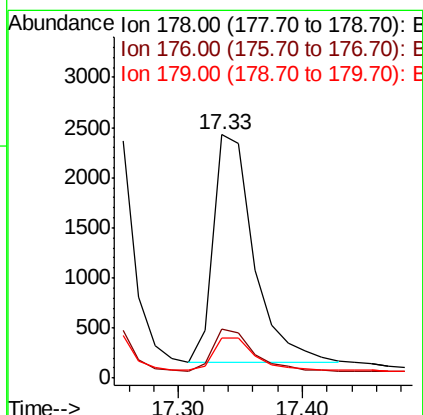
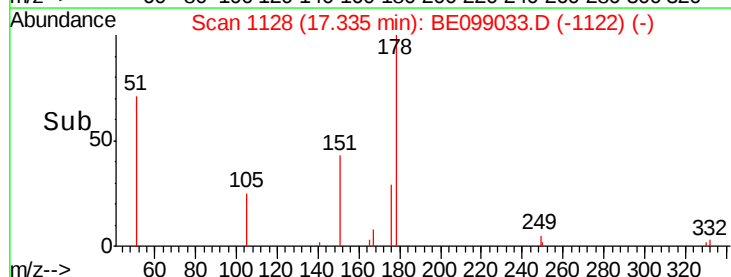
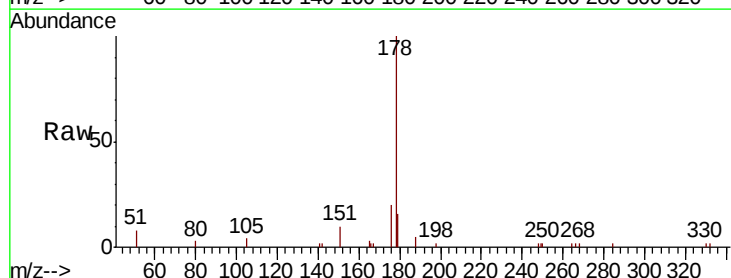
Tgt Ion:178 Resp: 5186

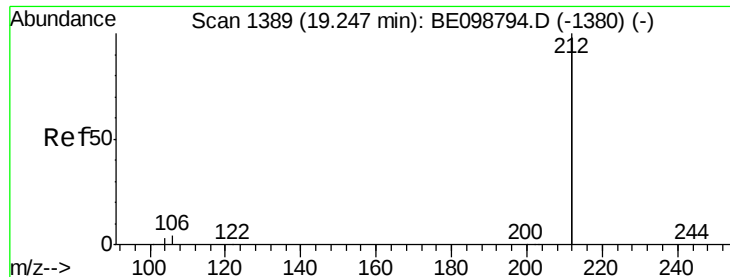
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 15.0 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

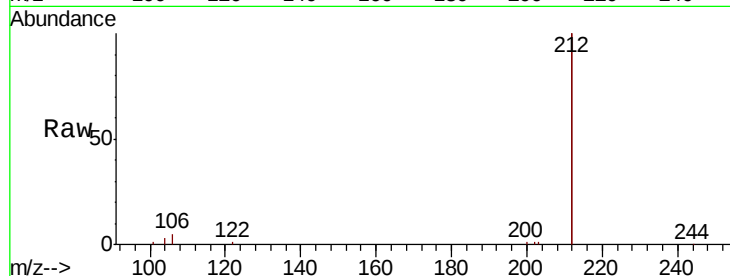
Tot Ion:212 Resp: 35020

Ion Ratio Lower Upper

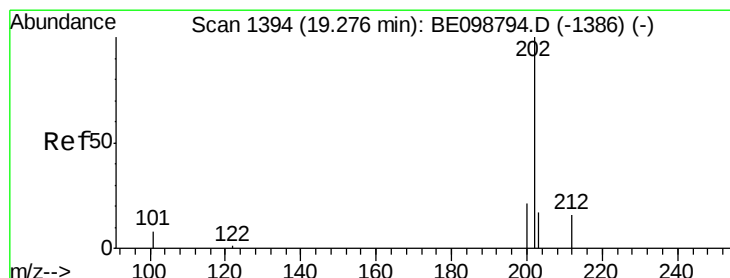
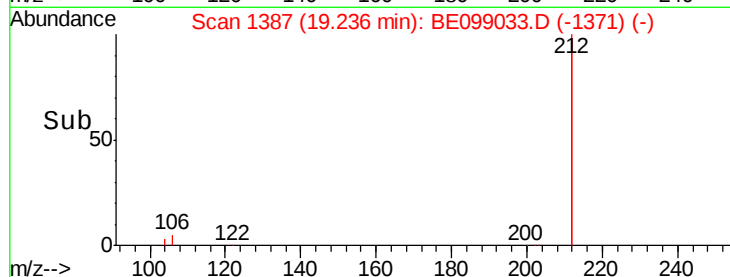
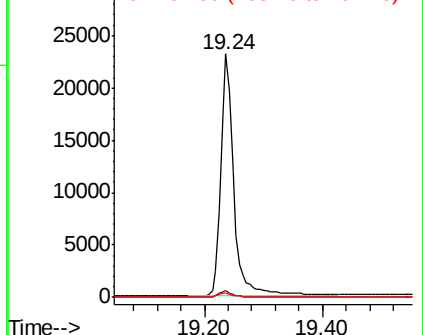
212 100

106 2.3 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: 0.348 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

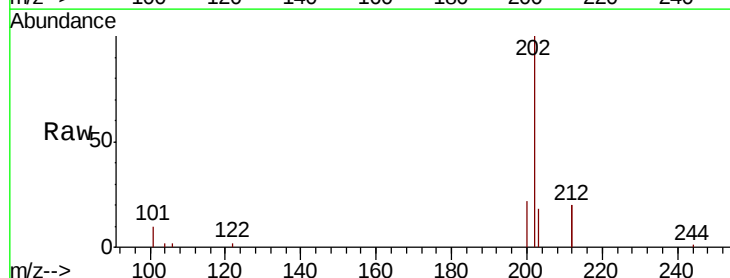
Tgt Ion:202 Resp: 8403

Ion Ratio Lower Upper

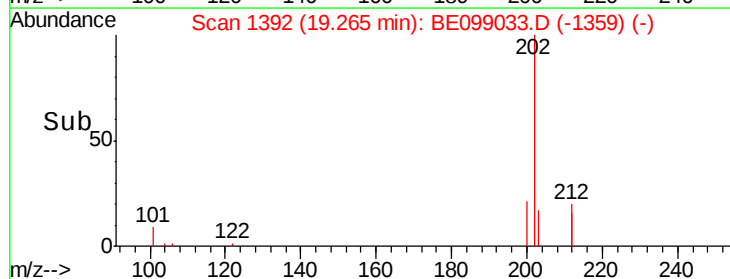
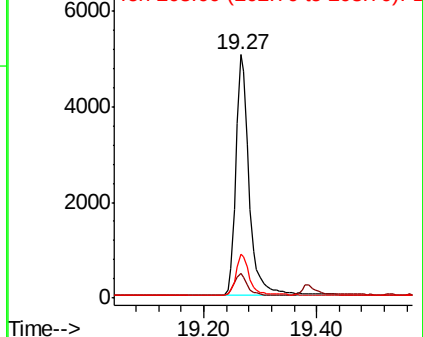
202 100

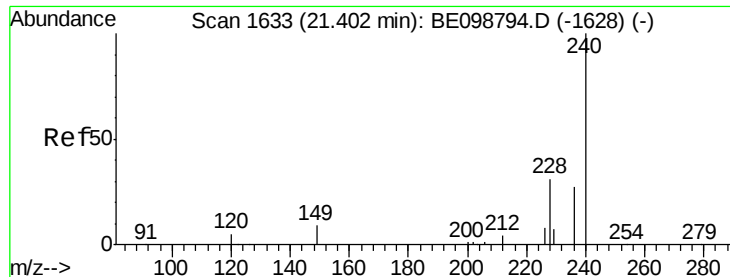
101 9.5 7.3 10.9

203 17.4 13.4 20.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

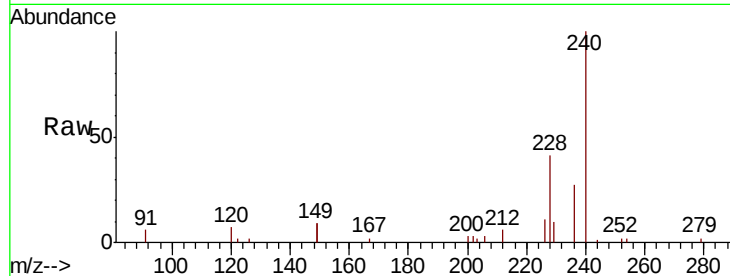




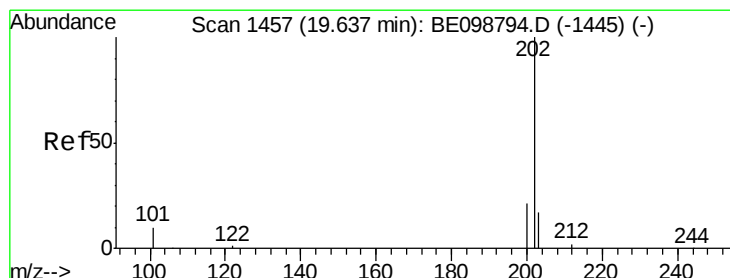
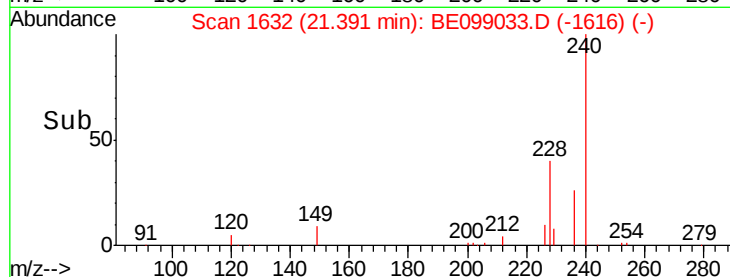
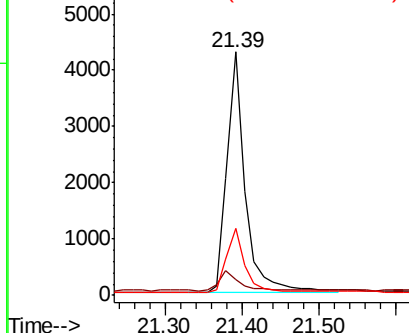
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

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

Tot Ion:240 Resp: 7037
Ion Ratio Lower Upper
240 100
120 6.6 5.0 7.4
236 27.3 22.7 34.1

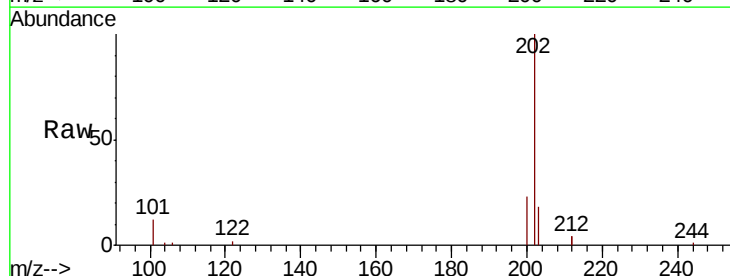


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

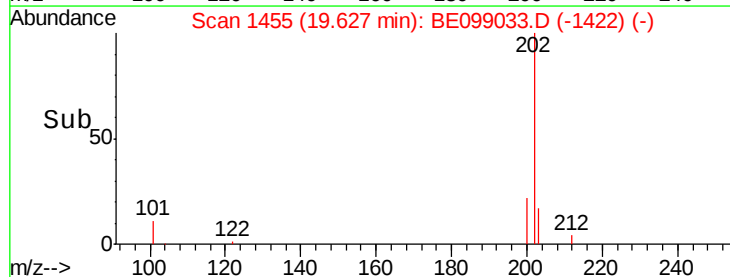
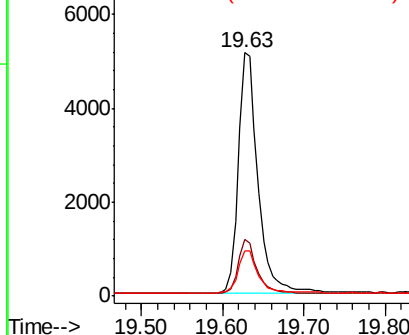


#28
Pyrene
Concen: 0.398 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BE099033.D
Acq: 19 Mar 2019 13:38

Tgt Ion:202 Resp: 8568
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 18.3 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

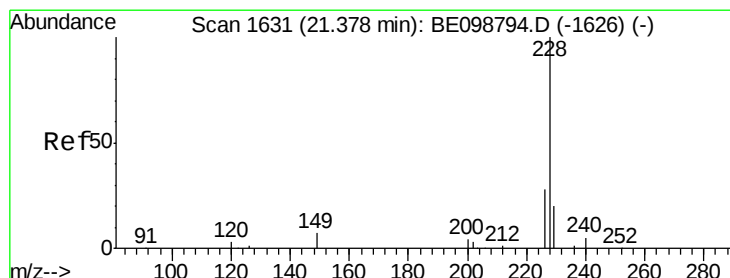
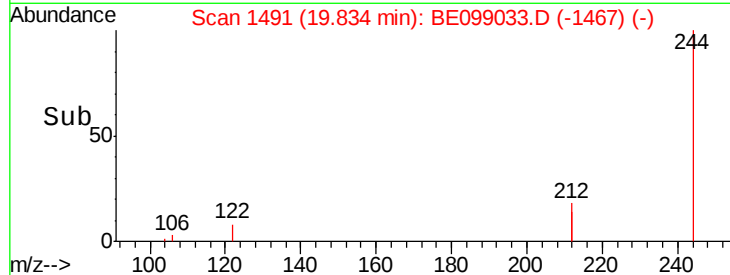
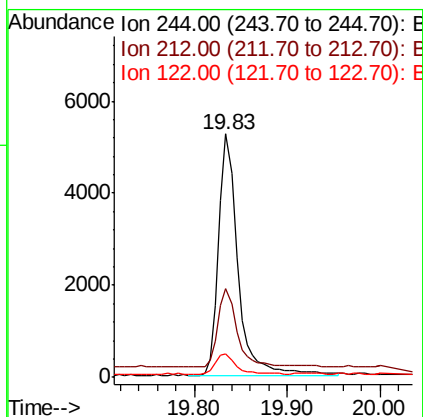
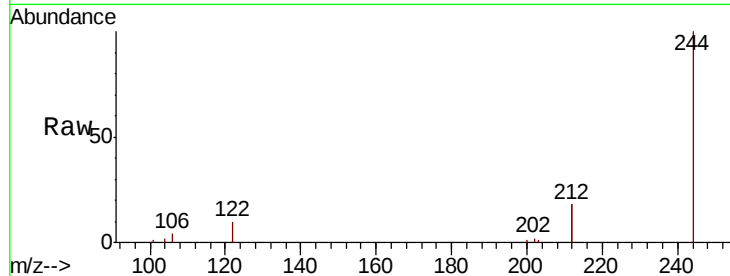




#29
 Terphenyl-d14
 Concen: 0.441 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE099033.D
 Acq: 19 Mar 2019 13:38

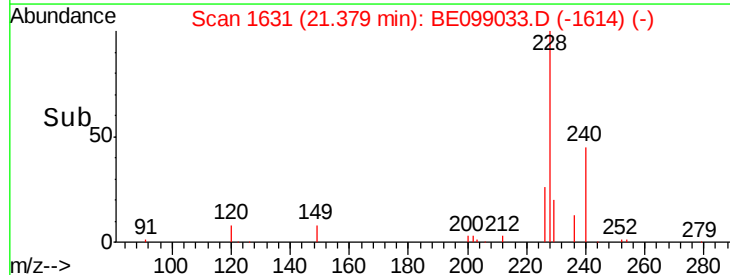
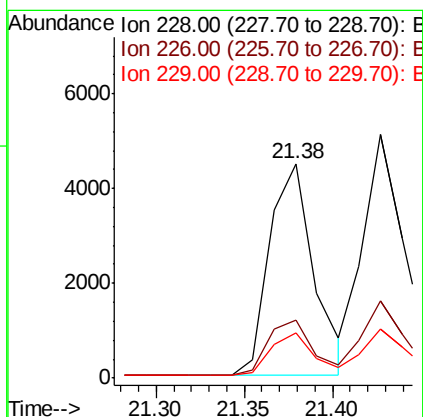
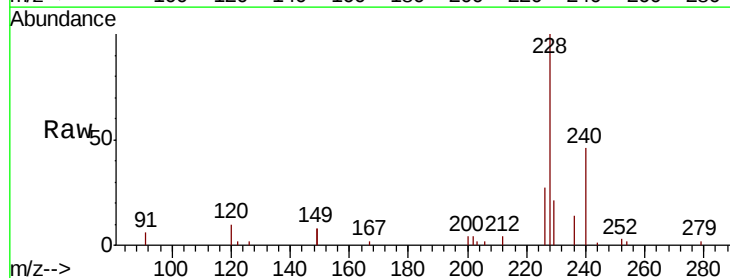
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion:244 Resp: 7536
 Ion Ratio Lower Upper
 244 100
 212 36.5 29.4 44.2
 122 9.6 7.1 10.7



#30
 Benzo(a)anthracene
 Concen: 0.356 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: BE099033.D
 Acq: 19 Mar 2019 13:38

Tgt Ion:228 Resp: 7827
 Ion Ratio Lower Upper
 228 100
 226 26.9 23.0 34.4
 229 21.2 16.5 24.7





#31

Chrysene

Concen: 0.357 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

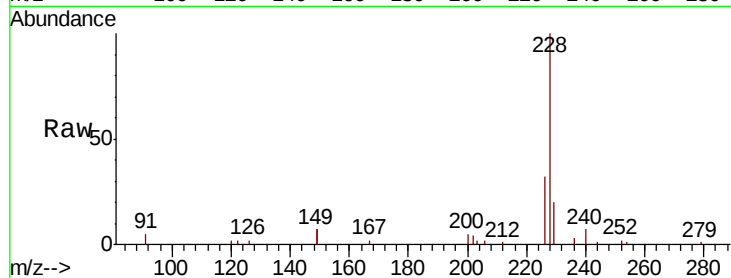
Tot Ion:228 Resp: 8383

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

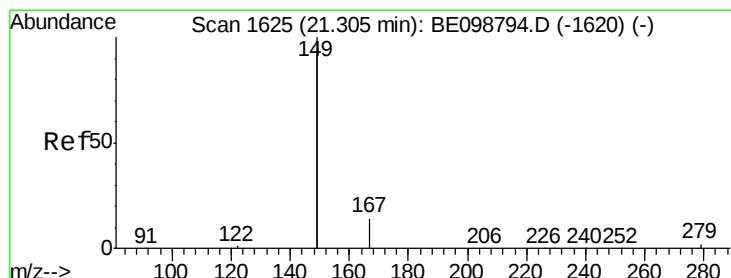
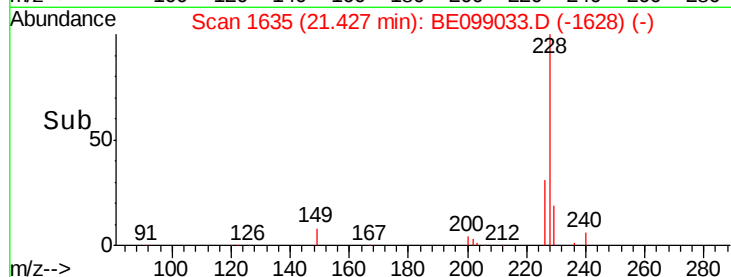
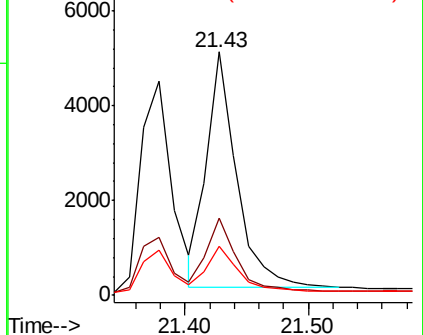
229 20.3 16.1 24.1



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: 0.494 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

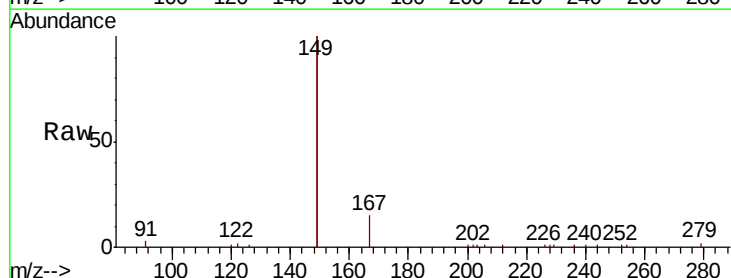
Tgt Ion:149 Resp: 23112

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

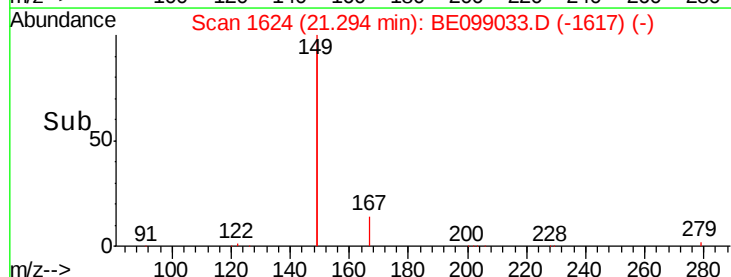
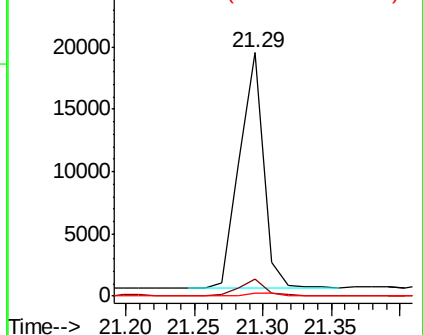
279 1.1 1.0 1.4



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

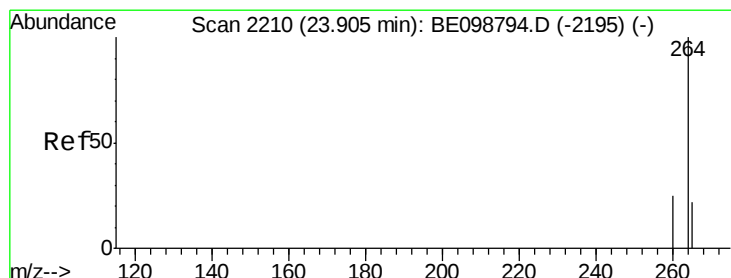
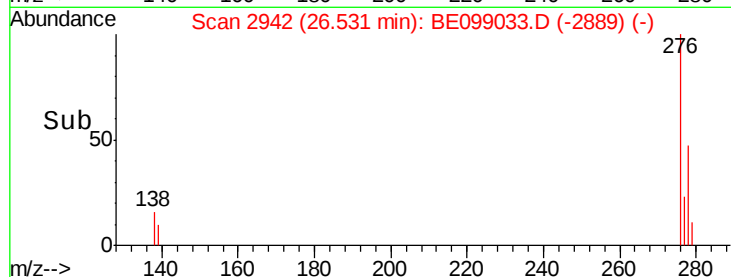
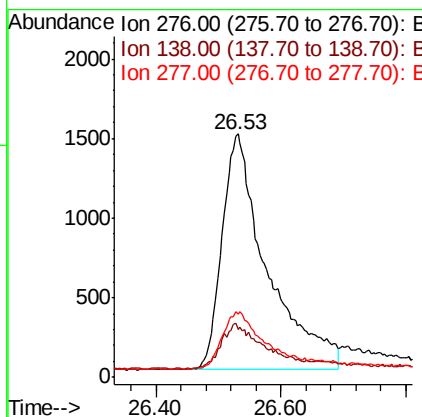
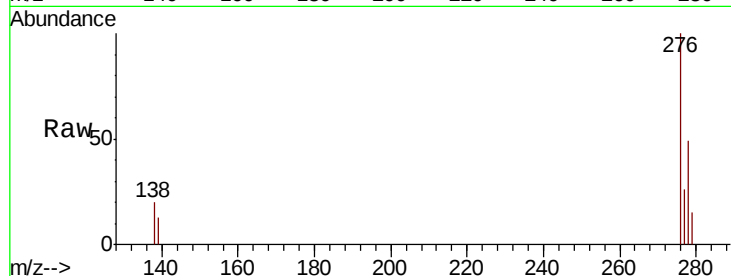




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.299 ng
 RT: 26.53 min Scan# 2942
 Delta R.T. -0.01 min
 Lab File: BE099033.D
 Acq: 19 Mar 2019 13:38

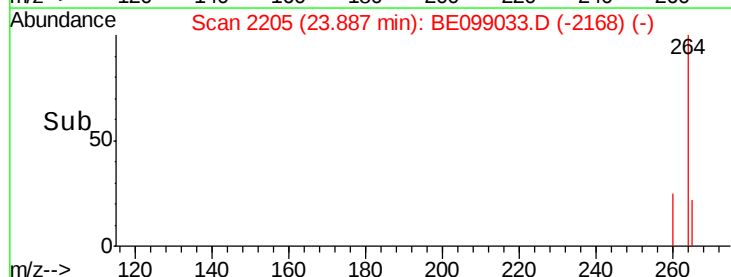
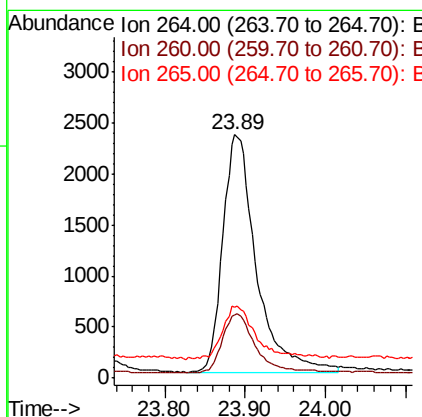
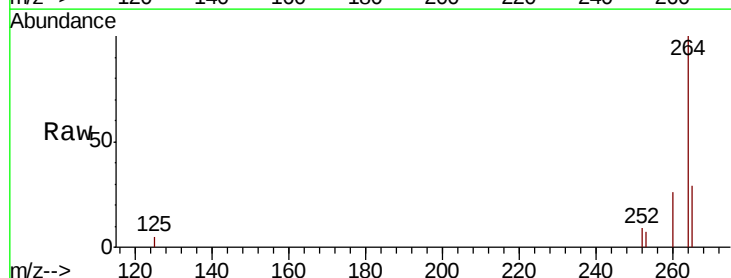
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Tot Ion:276 Resp: 7416
 Ion Ratio Lower Upper
 276 100
 138 16.9 13.8 20.8
 277 22.8 19.5 29.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE099033.D
 Acq: 19 Mar 2019 13:38

Tgt Ion:264 Resp: 6727
 Ion Ratio Lower Upper
 264 100
 260 26.2 21.2 31.8
 265 29.2 24.6 36.8





#35

Benzo(b)fluoranthene

Concen: 0.396 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.04 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

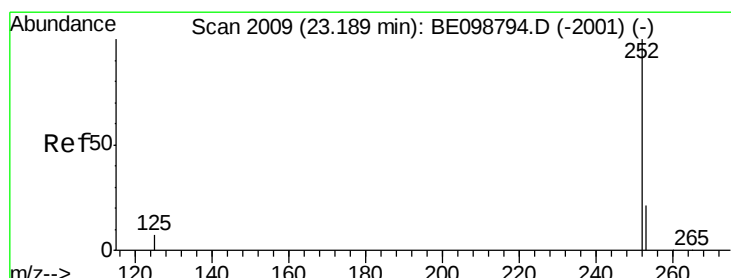
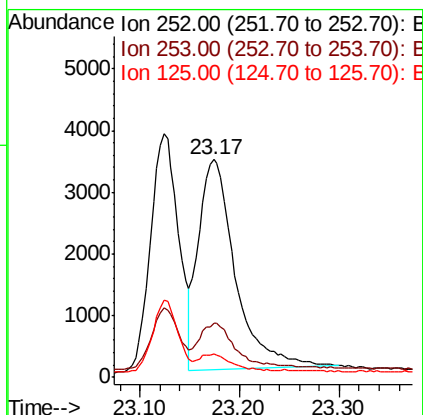
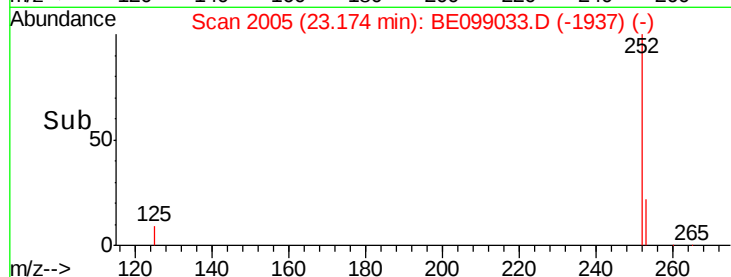
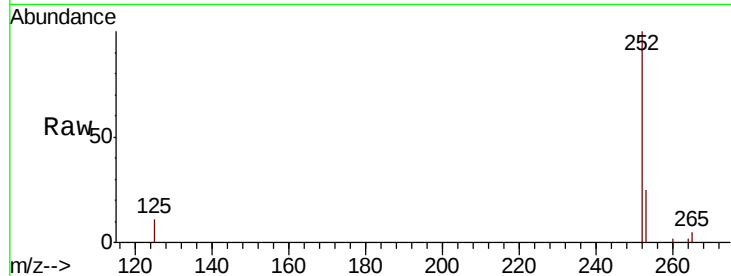
Tot Ion:252 Resp: 8757

Ion Ratio Lower Upper

252 100

253 25.1 18.2 27.2

125 10.9 7.3 10.9



#36

Benzo(k)fluoranthene

Concen: 0.390 ng

RT: 23.17 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

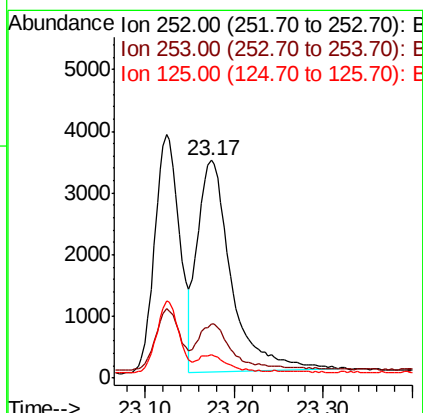
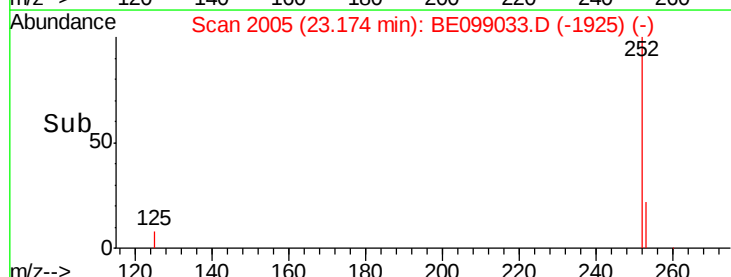
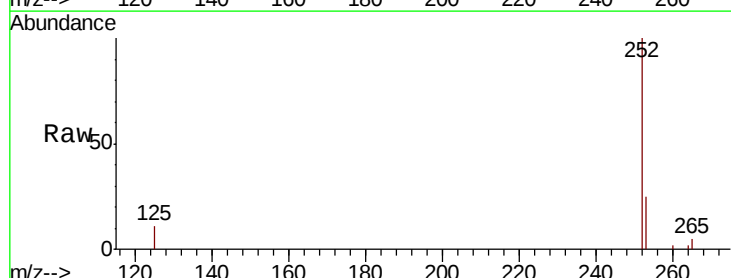
Tgt Ion:252 Resp: 9024

Ion Ratio Lower Upper

252 100

253 25.1 19.3 28.9

125 10.9 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.378 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS

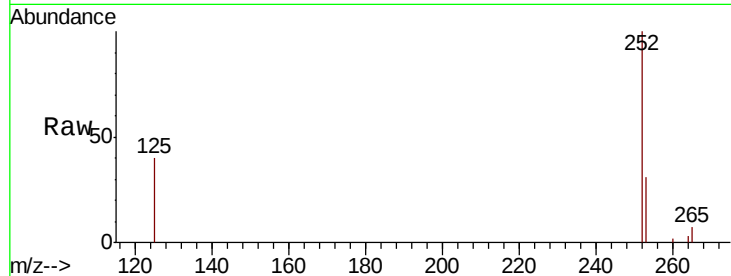
Tot Ion:252 Resp: 8007

Ion Ratio Lower Upper

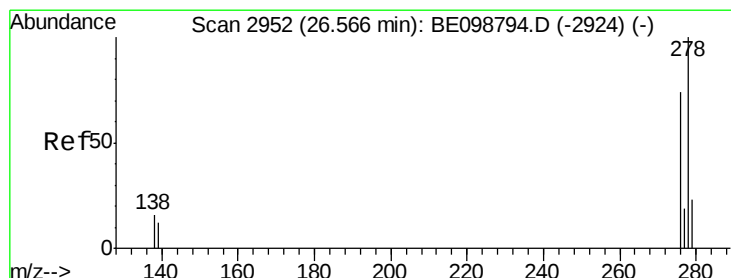
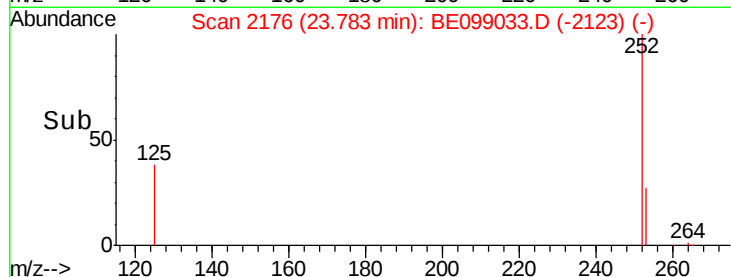
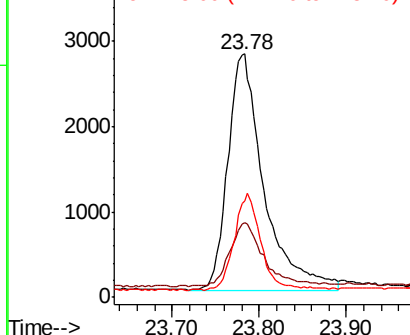
252 100

253 30.8 19.9 29.9#

125 39.8 9.0 13.4#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.285 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BE099033.D

Acq: 19 Mar 2019 13:38

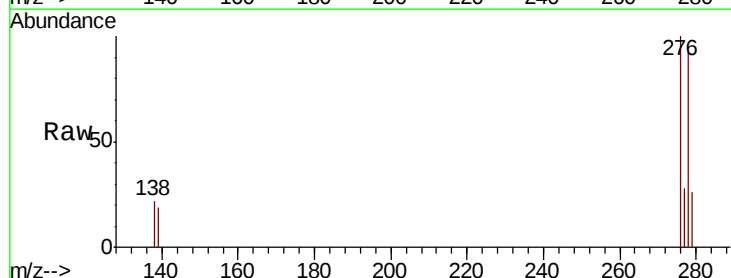
Tgt Ion:278 Resp: 5718

Ion Ratio Lower Upper

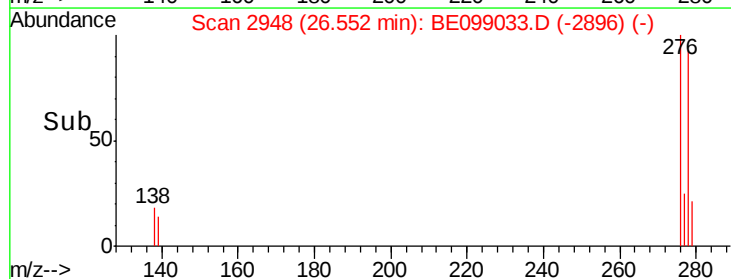
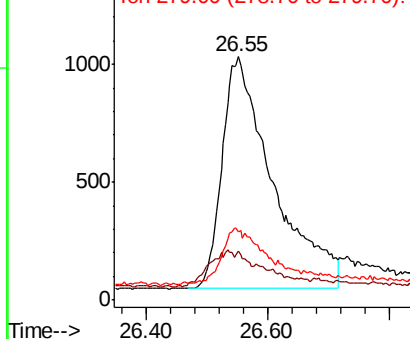
278 100

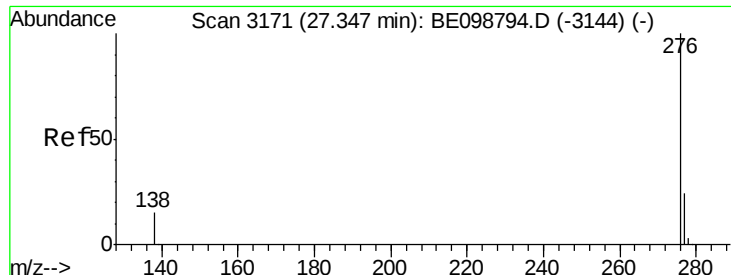
139 20.0 11.8 17.6#

279 27.9 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(a,h,i)perylene

Concen: 0.325 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.02 min

Lab File: BE099033.D

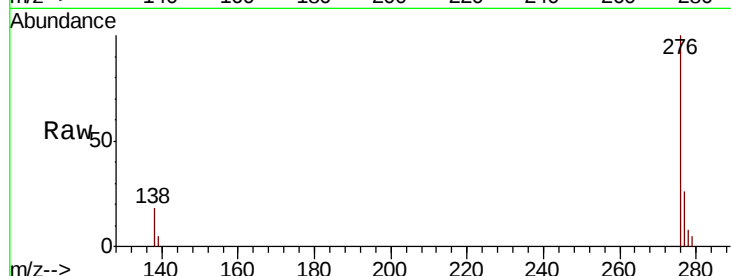
Acq: 19 Mar 2019 13:38

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20190314MS



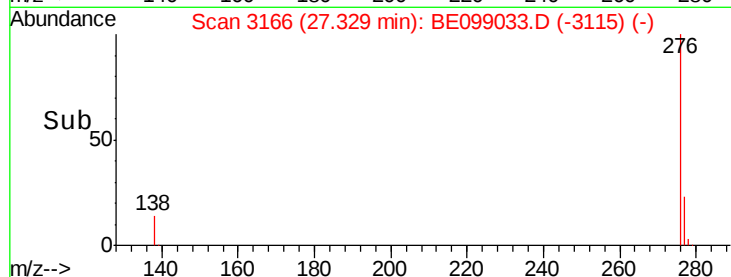
Tot Ion: 276 Resp: 6825

Ion Ratio Lower Upper

276 100

277 25.9 20.4 30.6

138 18.2 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

