

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE030719\
 Data File : BE098817.D
 Acq On : 7 Mar 2019 13:11
 Operator : JU/SJ
 Sample : K1655-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP1

Quant Time: Mar 08 03:34:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	779	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3109	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2147	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	5465	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6932	0.40	ng	0.00
34) Perylene-d12	23.90	264	6576	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	294	0.13	ng	0.01
5) Phenol-d6	7.00	99	250	0.08	ng	0.01
8) Nitrobenzene-d5	8.98	82	879	0.27	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	2128	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	372	0.34	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	3348	0.38	ng	-0.01
25) Fluoranthene-d10	19.24	212	32023	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	7074	0.42	ng	0.00

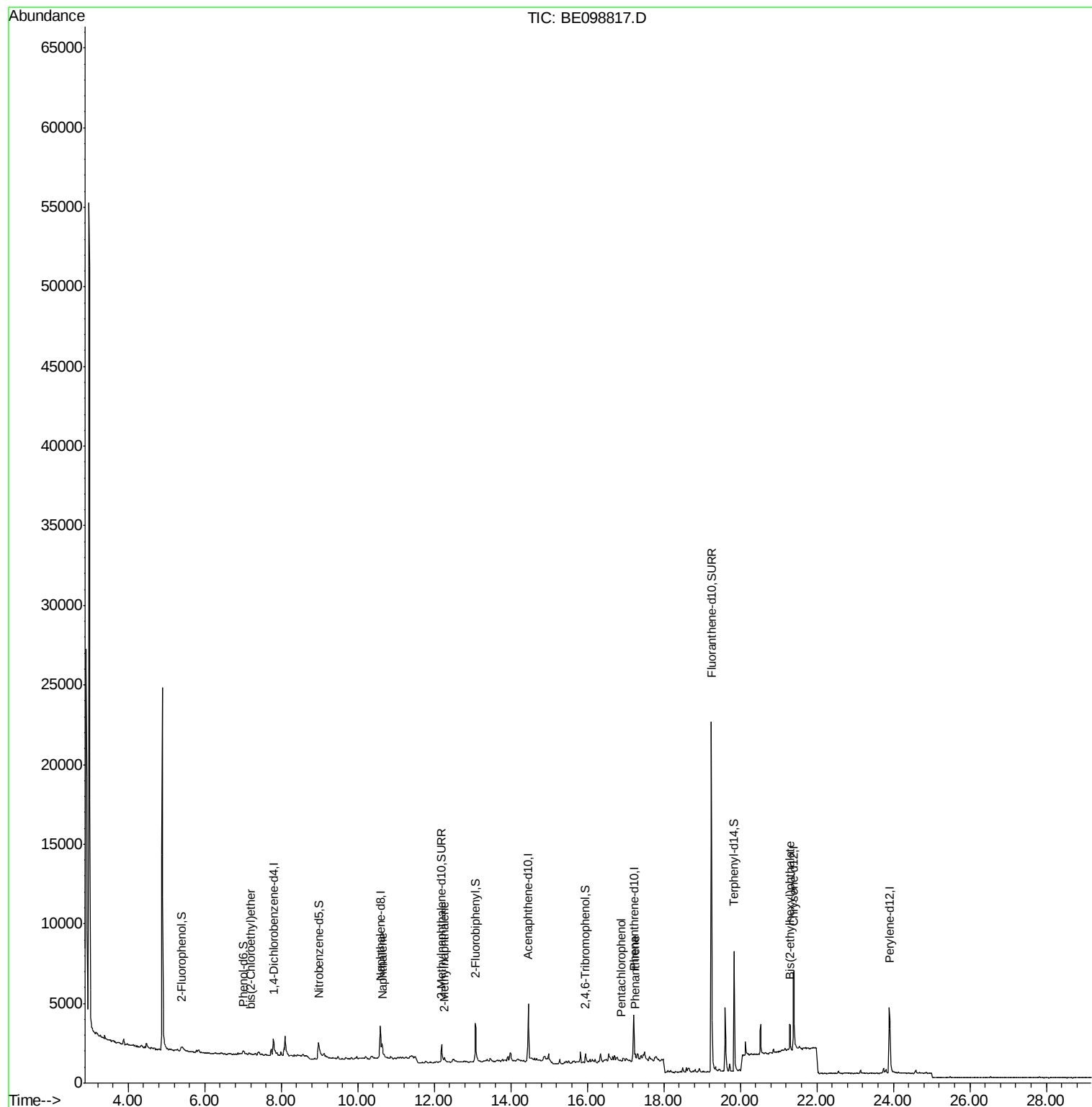
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.19	93	57	0.022	ng	# 1
9) Naphthalene	10.64	128	1412	0.040	ng	# 83
12) 2-Methylnaphthalene	12.27	142	285	0.049	ng	# 81
22) Pentachlorophenol	16.89	266	32	0.291	ng	92
23) Phenanthrene	17.26	178	572	0.037	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	2466	0.054	ng	# 98

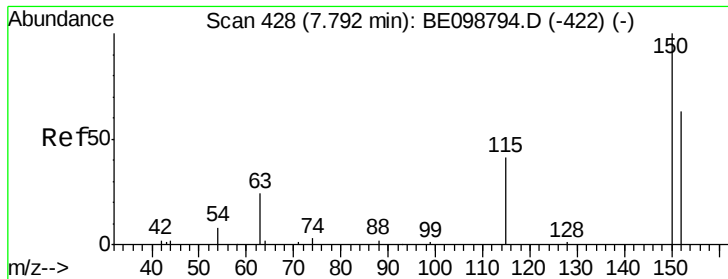
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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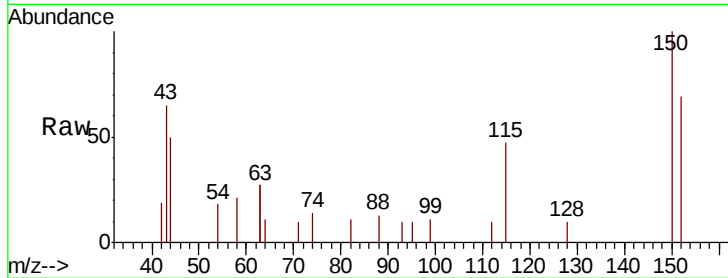


#1

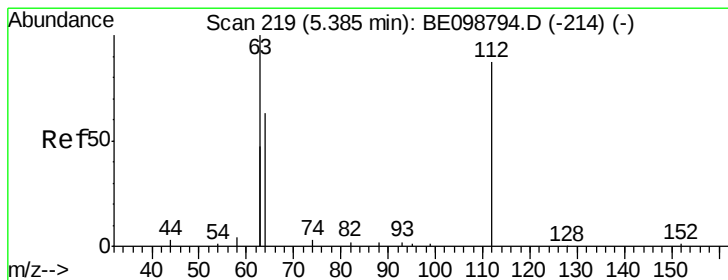
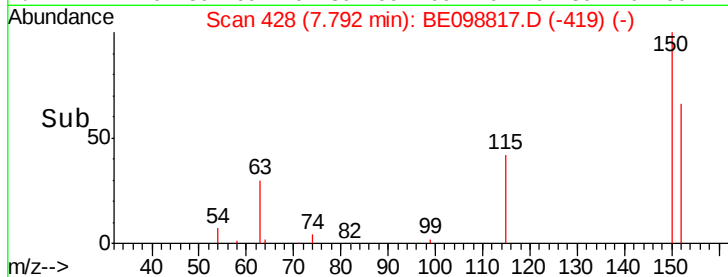
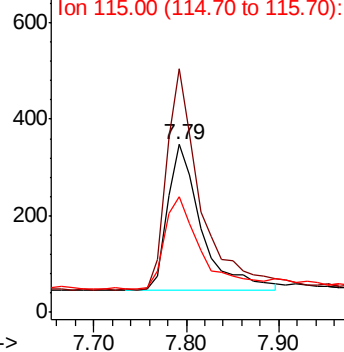
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098817.D
Acq: 7 Mar 2019 13:11

Instrument :
BNA_E
ClientSampleId :
DUP1

Tgt Ion:152 Resp: 779
Ion Ratio Lower Upper
152 100
150 144.8 122.5 183.7
115 68.7 57.4 86.2



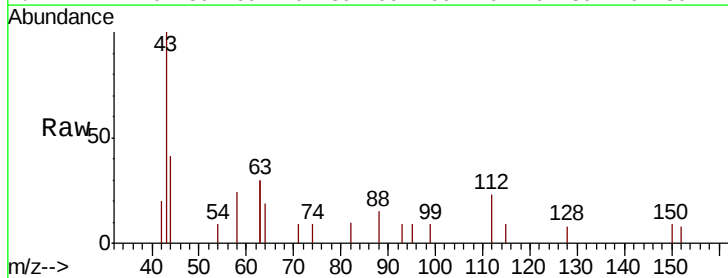
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



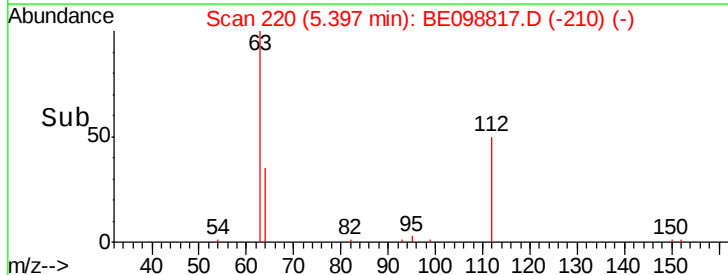
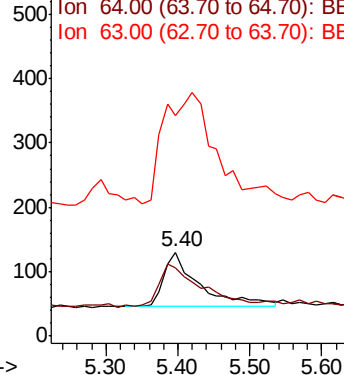
#4

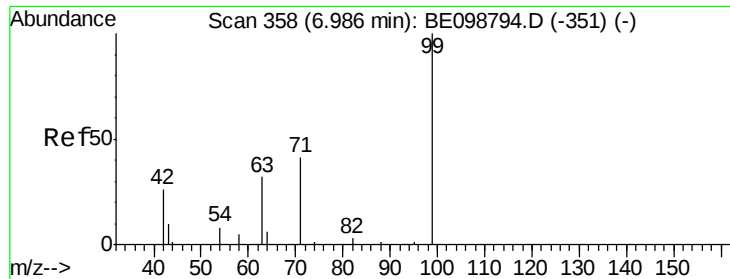
2-Fluorophenol
Concen: 0.126 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE098817.D
Acq: 7 Mar 2019 13:11

Tgt Ion:112 Resp: 294
Ion Ratio Lower Upper
112 100
64 90.8 57.9 86.9#
63 0.0 158.3 237.5#



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





#5

Phenol-d6

Concen: 0.076 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

Instrument :

BNA_E

ClientSampleId :

DUP1

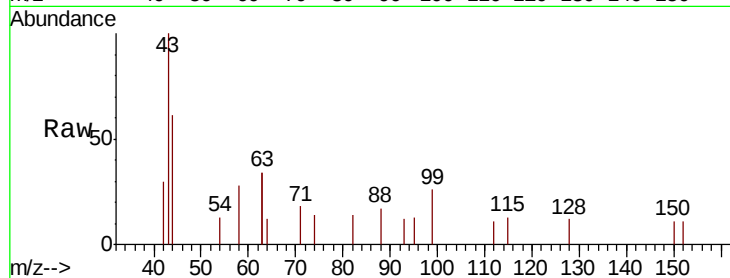
Tgt Ion: 99 Resp: 250

Ion Ratio Lower Upper

99 100

42 38.4 24.2 36.2#

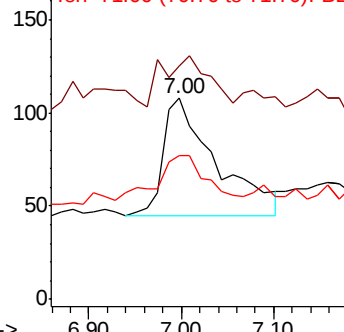
71 34.4 35.7 53.5#



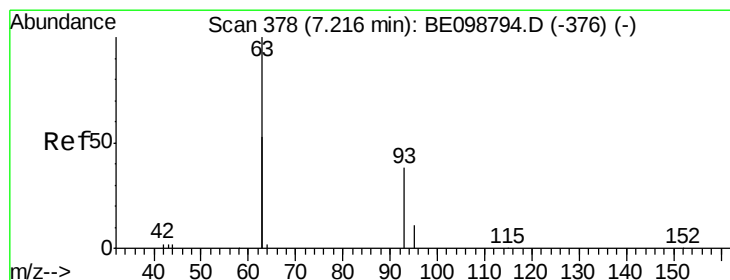
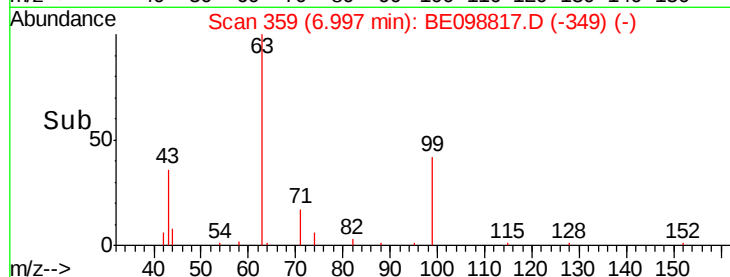
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.02 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

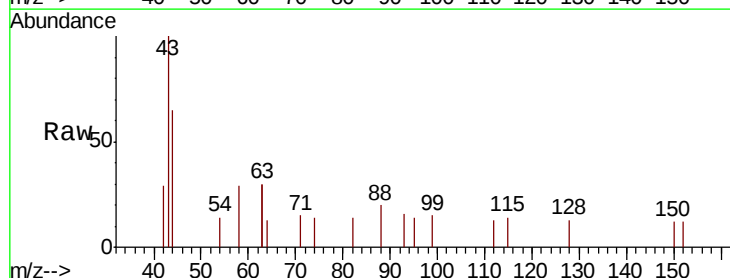
Tgt Ion: 93 Resp: 57

Ion Ratio Lower Upper

93 100

63 0.0 247.5 371.3#

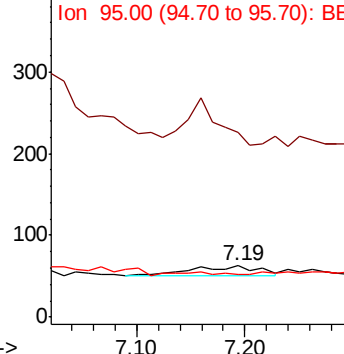
95 0.0 21.8 32.8#



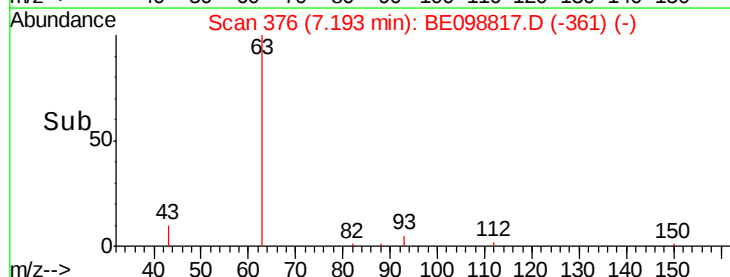
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

Instrument :

BNA_E

ClientSampleId :

DUP1

Tgt Ion: 136 Resp: 3109

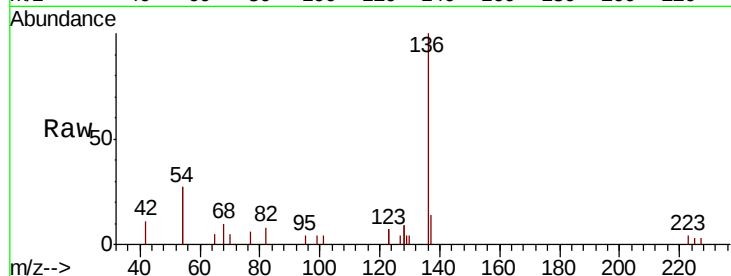
Ion Ratio Lower Upper

136 100

137 13.8 11.4 17.0

54 54.3 39.3 58.9

68 9.5 6.7 10.1

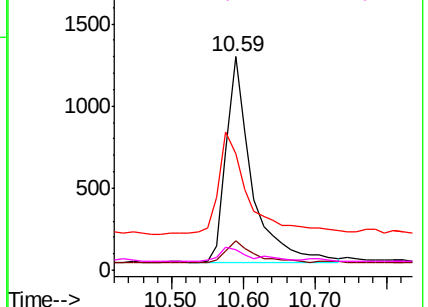
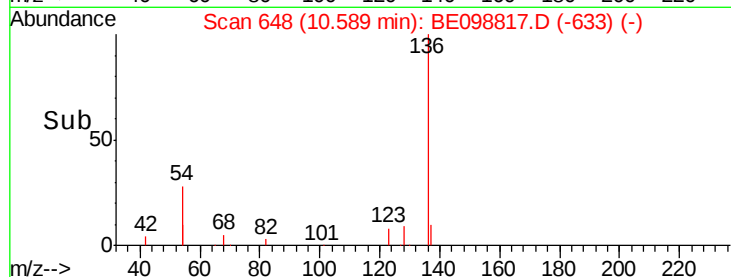


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.270 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

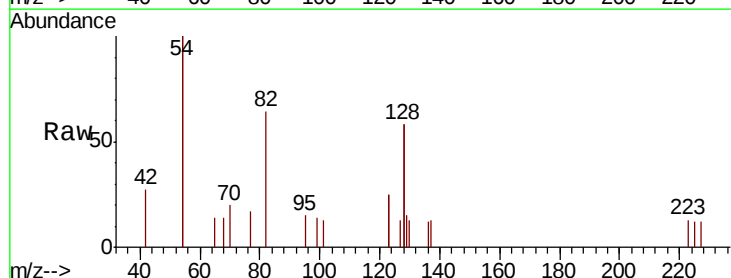
Tgt Ion: 82 Resp: 879

Ion Ratio Lower Upper

82 100

128 181.2 123.8 185.8

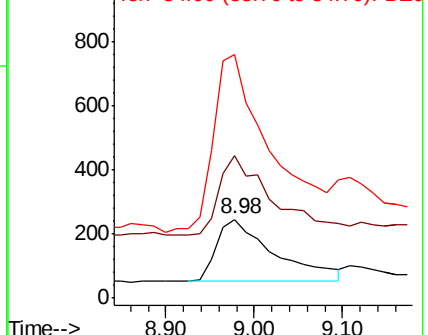
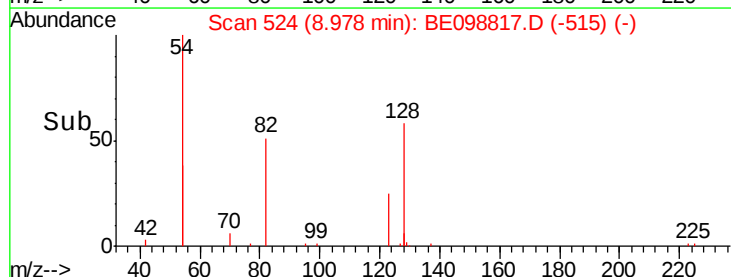
54 310.2 203.4 305.2#

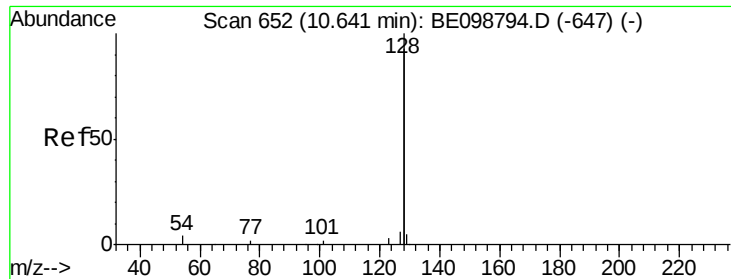


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.040 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

Instrument :

BNA_E

ClientSampleId :

DUP1

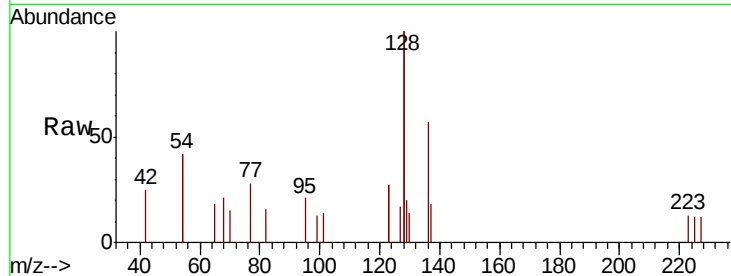
Tgt Ion:128 Resp: 1412

Ion Ratio Lower Upper

128 100

129 10.0 2.6 4.0#

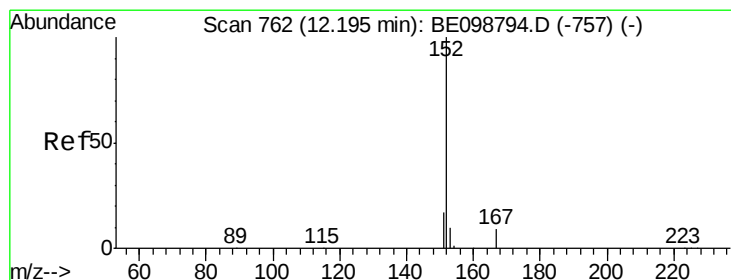
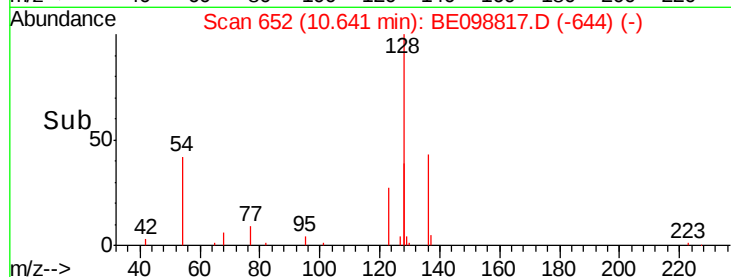
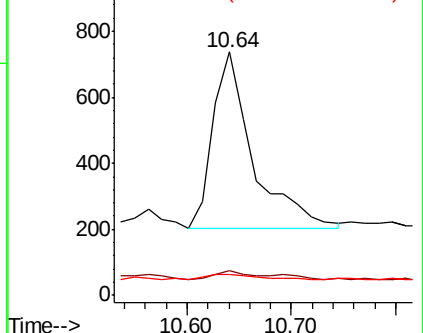
127 8.5 3.1 4.7#



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



#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE098817.D

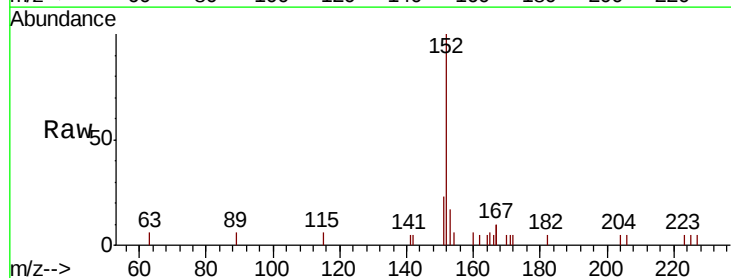
Acq: 7 Mar 2019 13:11

Tgt Ion:152 Resp: 2128

Ion Ratio Lower Upper

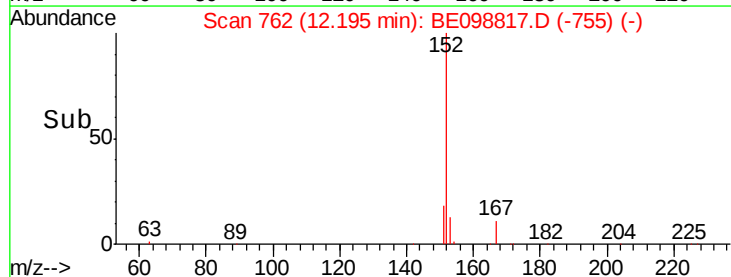
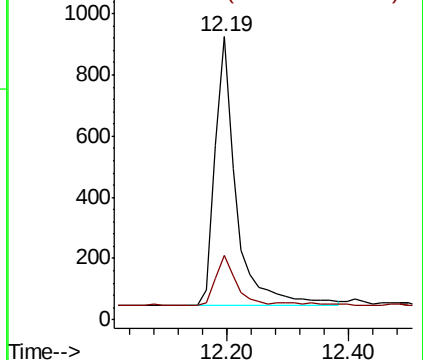
152 100

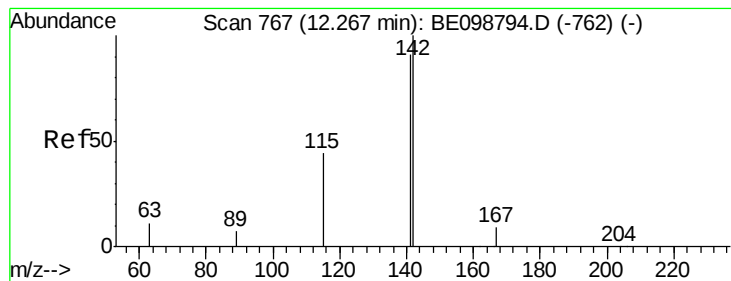
151 19.5 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.049 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

Instrument :

BNA_E

ClientSampleId :

DUP1

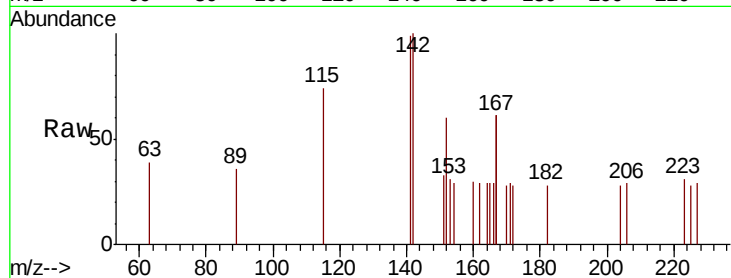
Tgt Ion:142 Resp: 285

Ion Ratio Lower Upper

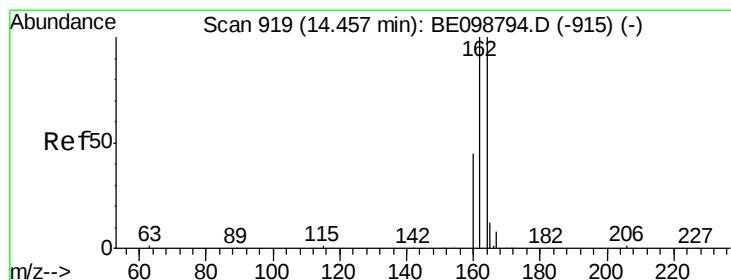
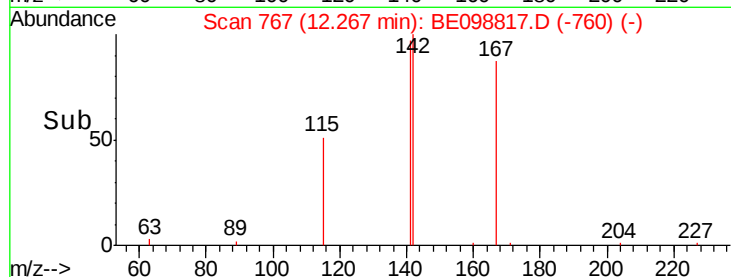
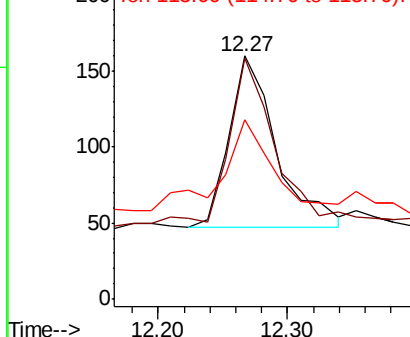
142 100

141 98.8 72.6 108.8

115 73.8 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: BE098817.D

Acq: 7 Mar 2019 13:11

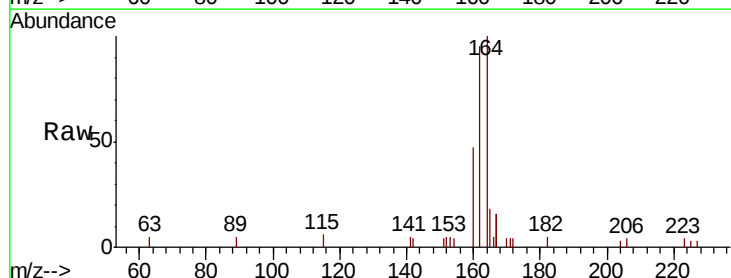
Tgt Ion:164 Resp: 2147

Ion Ratio Lower Upper

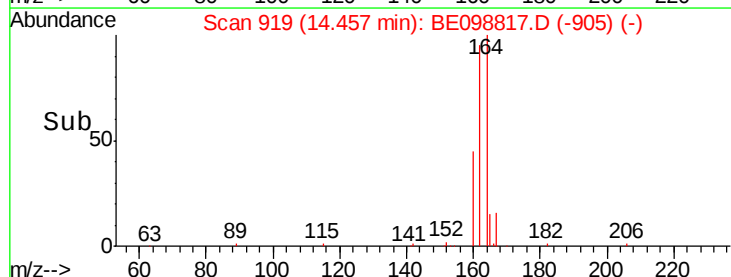
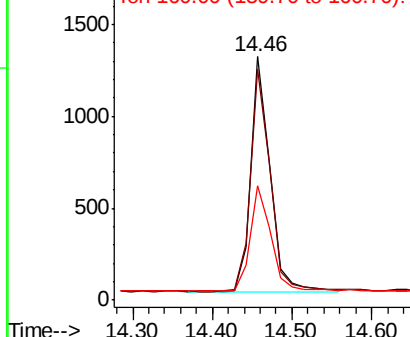
164 100

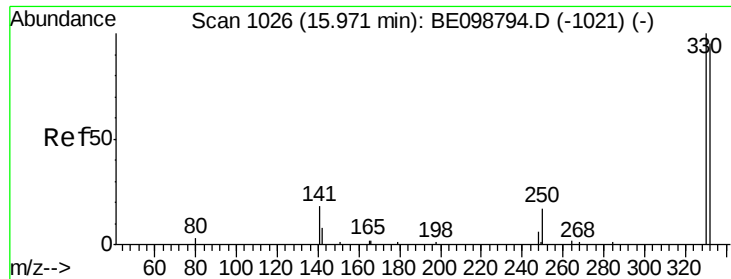
162 94.9 80.2 120.2

160 46.9 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

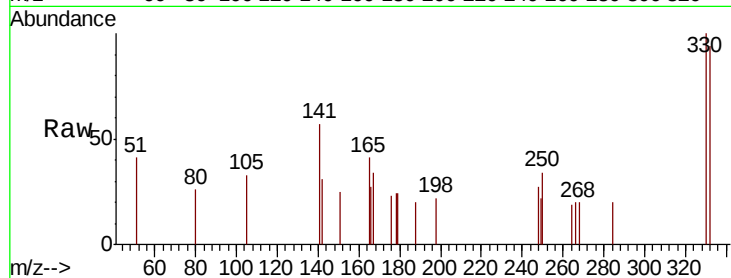




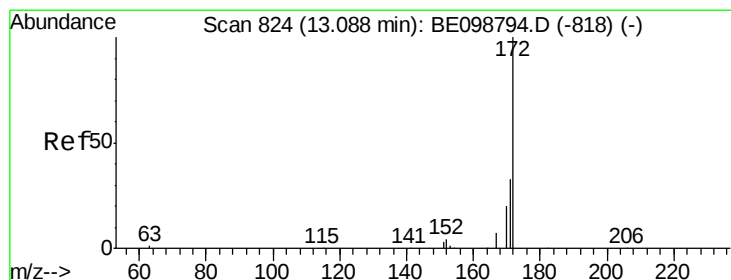
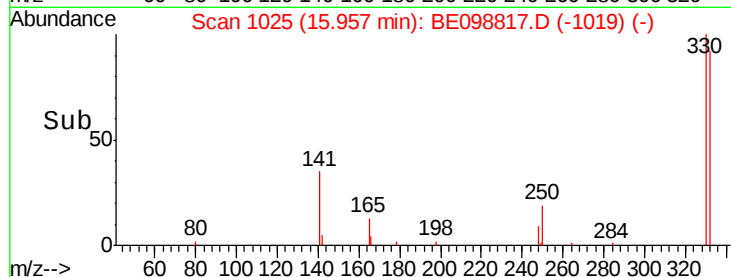
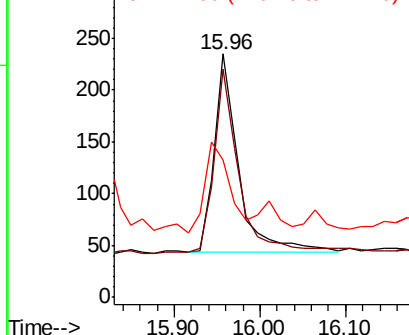
#14
 2,4,6-Tribromophenol
 Concen: 0.343 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE098817.D
 Acq: 7 Mar 2019 13:11

Instrument :
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 DUP1

Tgt Ion: 330 Resp: 372
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.6 116.4
 141 47.6 31.0 46.4#

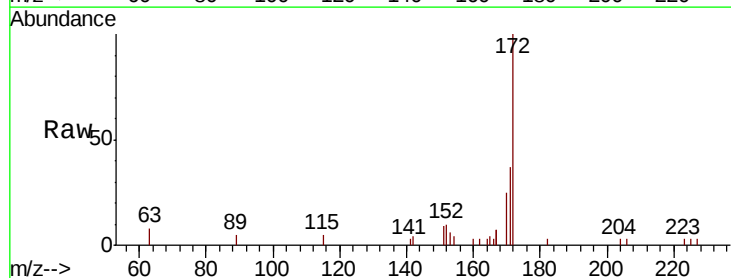


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

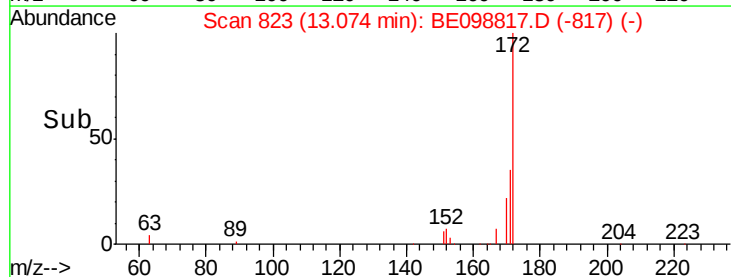
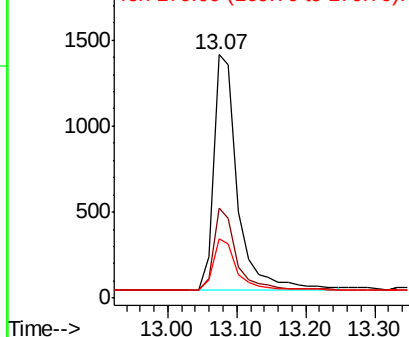


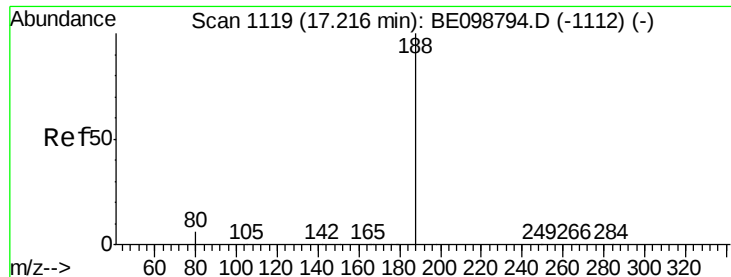
#15
 2-Fluorobiphenyl
 Concen: 0.377 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE098817.D
 Acq: 7 Mar 2019 13:11

Tgt Ion: 172 Resp: 3348
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.0 42.0
 170 24.6 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

Instrument :

BNA_E

ClientSampleId :

DUP1

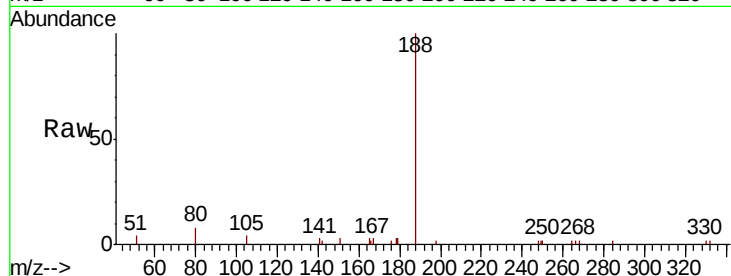
Tgt Ion:188 Resp: 5465

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

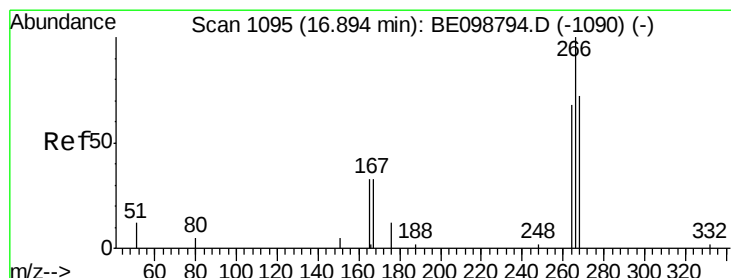
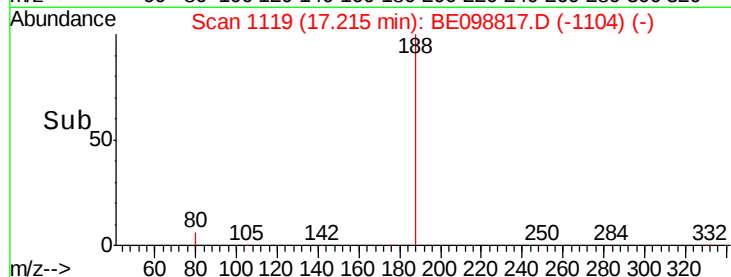
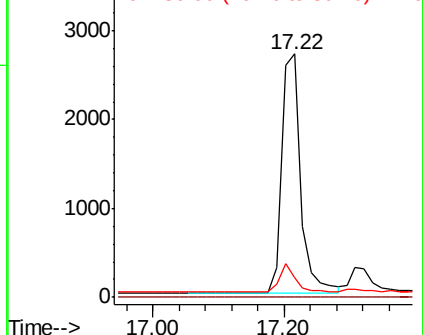
80 8.0 6.3 9.5



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



#22

Pentachlorophenol

Concen: 0.291 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE098817.D

Acq: 7 Mar 2019 13:11

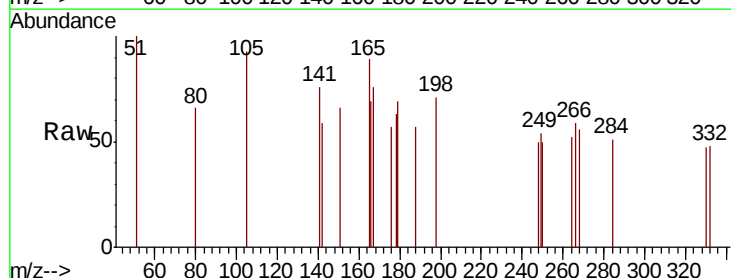
Tgt Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

264 89.1 66.6 100.0

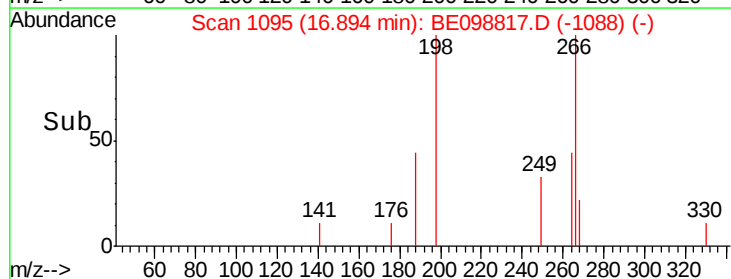
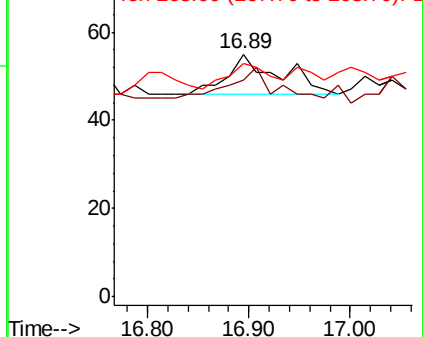
268 96.4 69.8 104.8

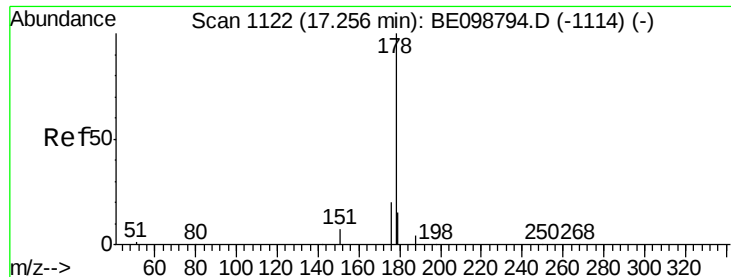


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

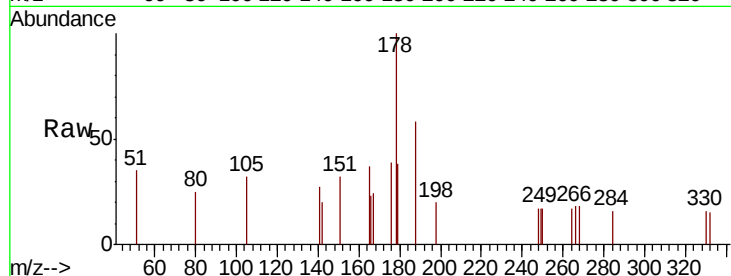




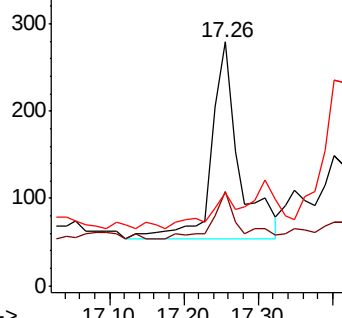
#23
Phenanthrene
Concen: 0.037 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE098817.D
Acq: 7 Mar 2019 13:11

Instrument :
BNA_E
ClientSampleId :
DUP1

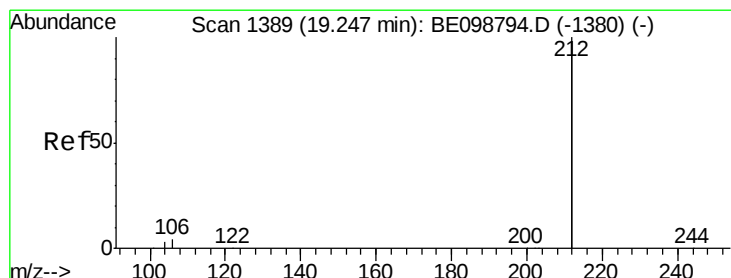
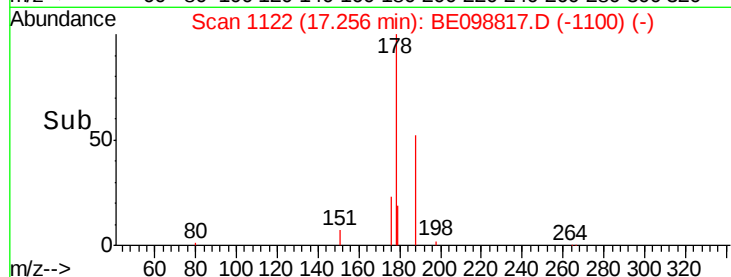
Tgt Ion:178 Resp: 572
Ion Ratio Lower Upper
178 100
176 21.0 16.0 24.0
179 17.3 12.1 18.1



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

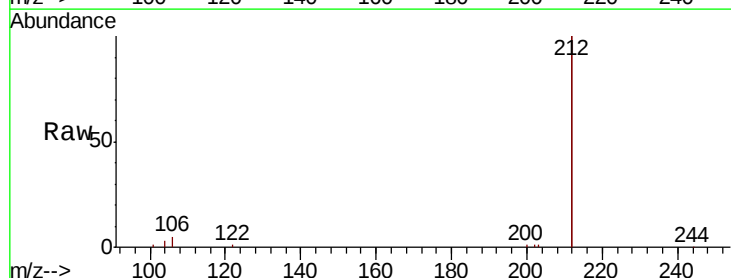


Time-->

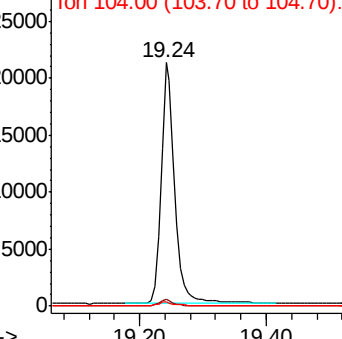


#25
Fluoranthene-d10
Concen: 0.367 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BE098817.D
Acq: 7 Mar 2019 13:11

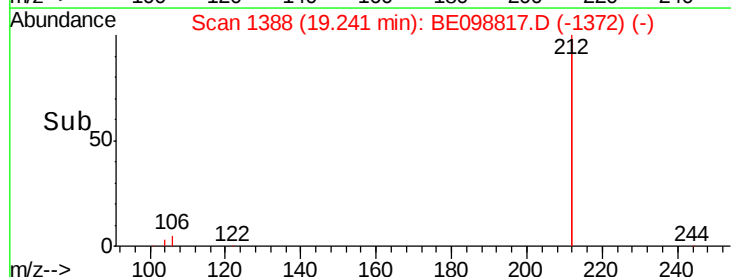
Tgt Ion:212 Resp: 32023
Ion Ratio Lower Upper
212 100
106 2.3 1.8 2.8
104 1.4 1.0 1.6

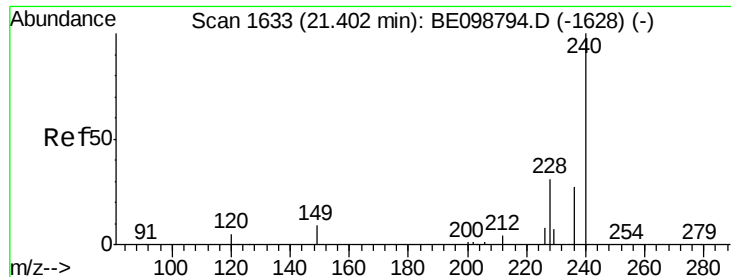


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->

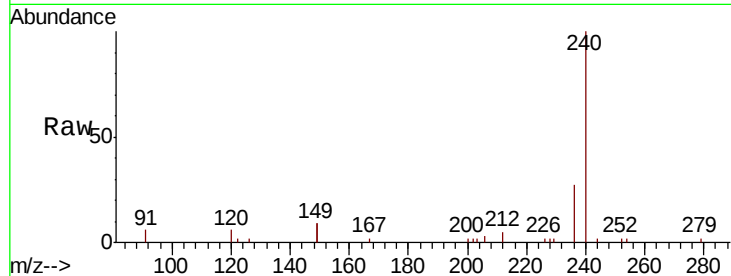




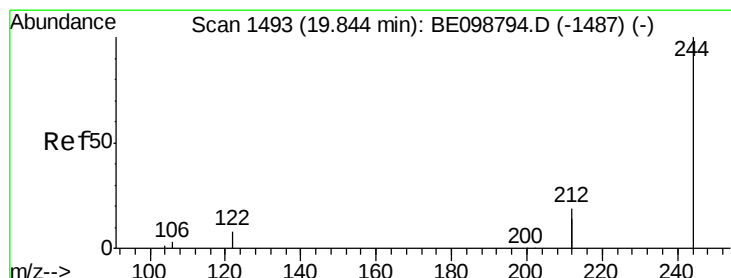
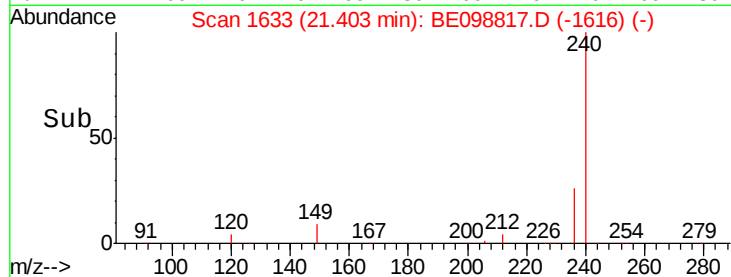
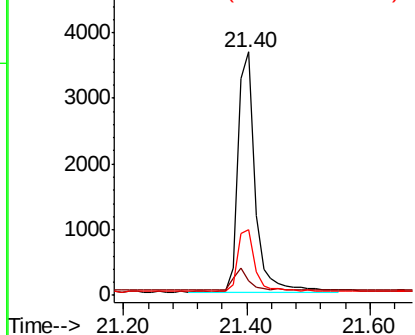
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE098817.D
 Acq: 7 Mar 2019 13:11

Instrument :
 BNA_E
 ClientSampleId :
 DUP1

Tgt Ion:240 Resp: 6932
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.0 7.4
 236 27.0 22.7 34.1

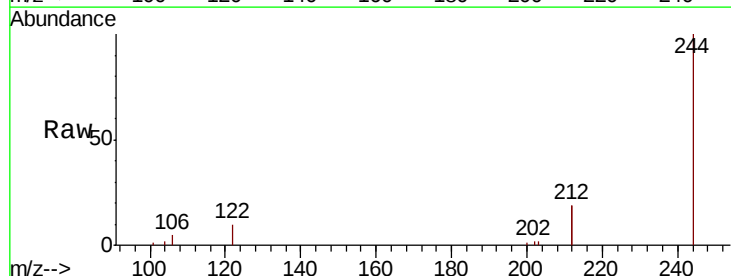


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

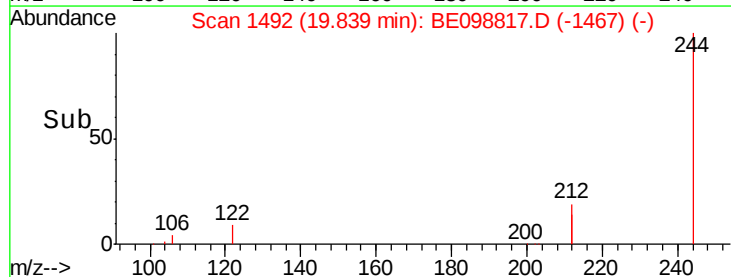
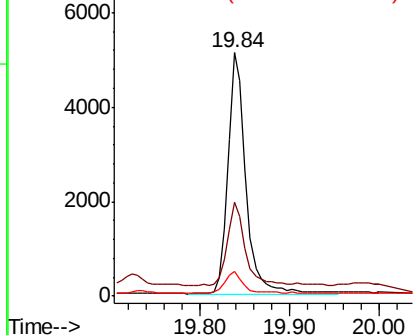


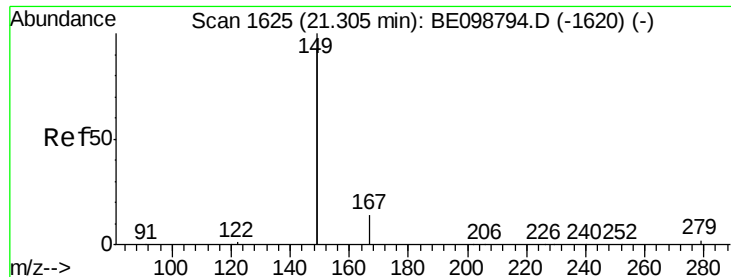
#29
 Terphenyl-d14
 Concen: 0.420 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BE098817.D
 Acq: 7 Mar 2019 13:11

Tgt Ion:244 Resp: 7074
 Ion Ratio Lower Upper
 244 100
 212 38.3 29.4 44.2
 122 10.1 7.1 10.7



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

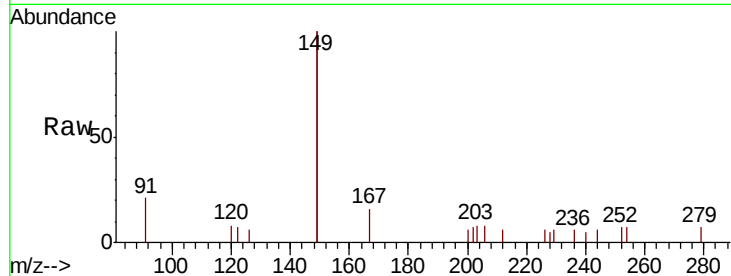




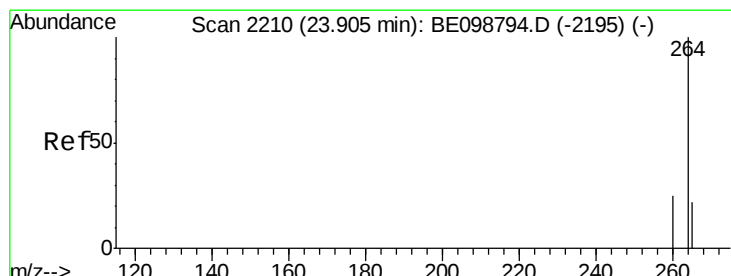
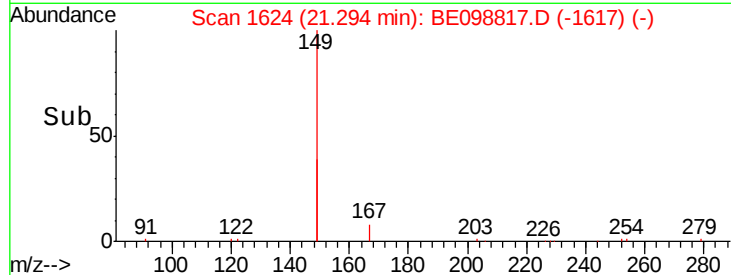
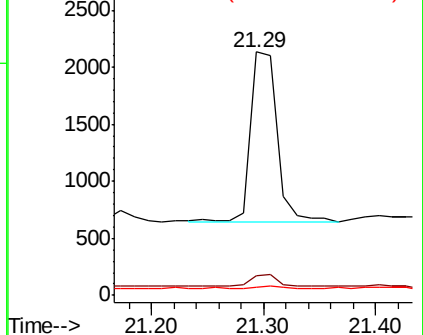
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.054 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE098817.D
 Acq: 7 Mar 2019 13:11

Instrument :
 BNA_E
 ClientSampleId :
 DUP1

Tgt Ion:149 Resp: 2466
 Ion Ratio Lower Upper
 149 100
 167 7.3 5.4 8.0
 279 1.5 1.0 1.4#

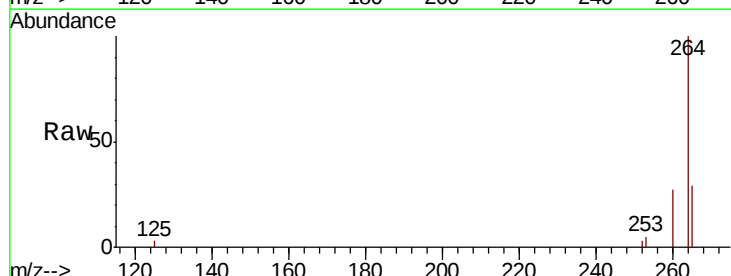


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BE098817.D
 Acq: 7 Mar 2019 13:11

Tgt Ion:264 Resp: 6576
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.2 31.8
 265 28.6 24.6 36.8



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

