

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031319\
 Data File : BE098934.D
 Acq On : 14 Mar 2019 6:15
 Operator : JU/SJ
 Sample : K1860-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 14 06:58:24 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

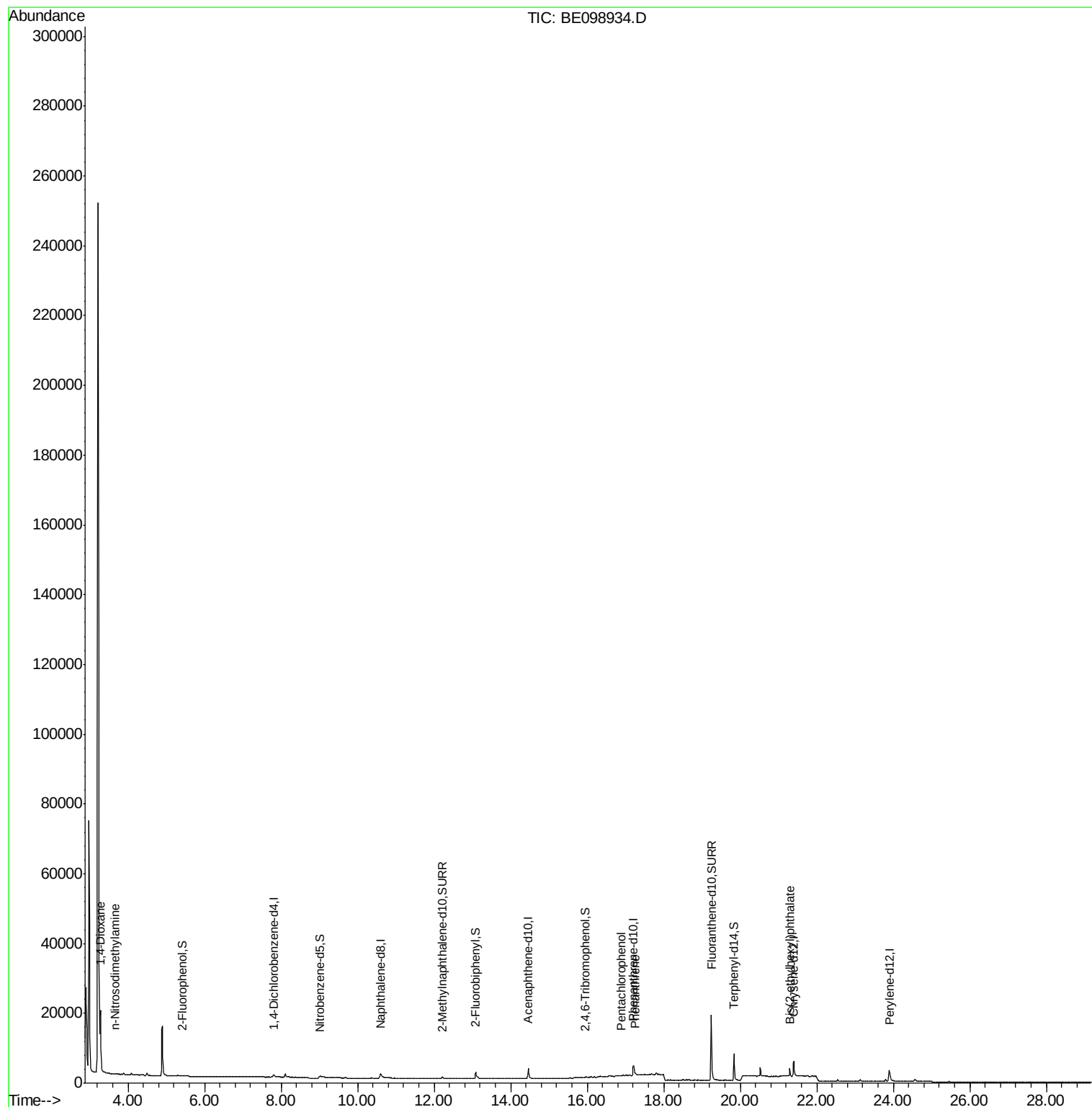
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	669	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3059	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	2194	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	5712	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6628	0.40	ng	0.00
34) Perylene-d12	23.90	264	6403	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	326	0.16	ng	0.04
5) Phenol-d6	6.95	99	5	0.00	ng	-0.03
8) Nitrobenzene-d5	9.00	82	908	0.28	ng	0.04
11) 2-Methylnaphthalene-d10	12.21	152	1829	0.32	ng	0.01
14) 2,4,6-Tribromophenol	15.96	330	421	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	3765	0.41	ng	0.00
25) Fluoranthene-d10	19.24	212	29720	0.33	ng	0.00
29) Terphenyl-d14	19.84	244	8270	0.51	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	9536	9.154	ng	99
3) n-Nitrosodimethylamine	3.66	42	43	0.026	ng	# 20
22) Pentachlorophenol	16.88	266	5	0.268	ng	87
23) Phenanthrene	17.25	178	683	0.042	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.29	149	2383	0.054	ng	# 98

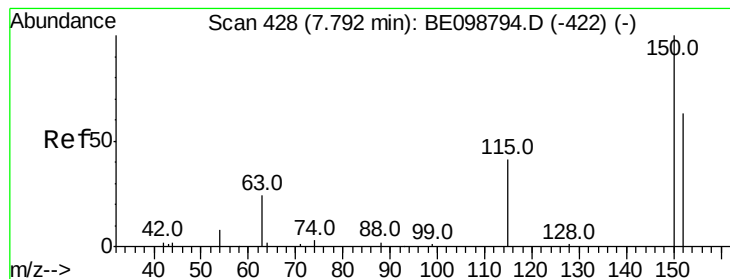
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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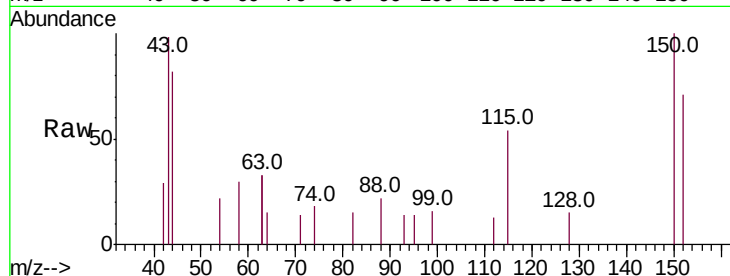


#1

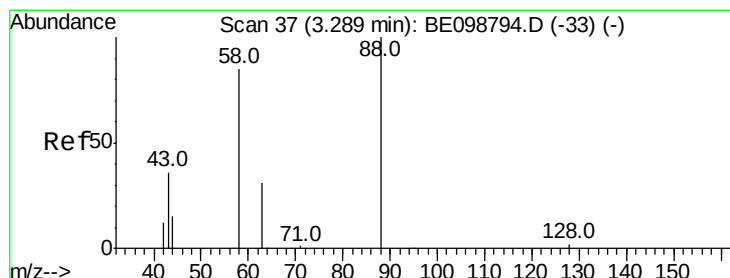
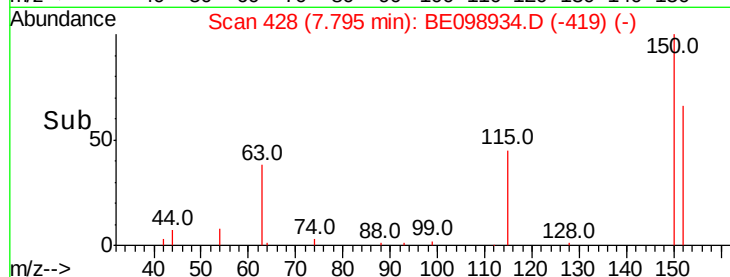
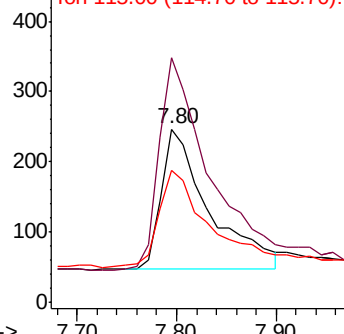
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098934.D
Acq: 14 Mar 2019 6:15

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 669
Ion Ratio Lower Upper
152 100
150 141.5 122.5 183.7
115 76.0 57.4 86.2



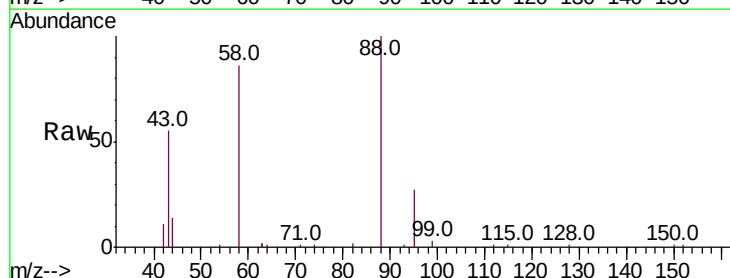
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



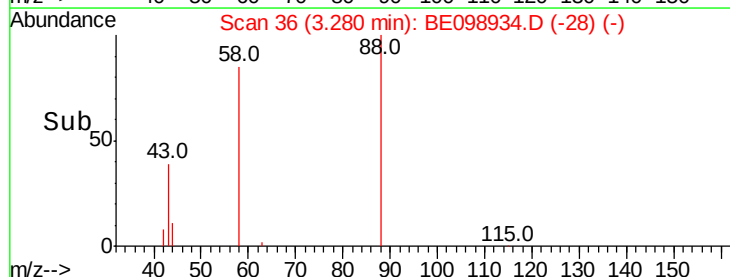
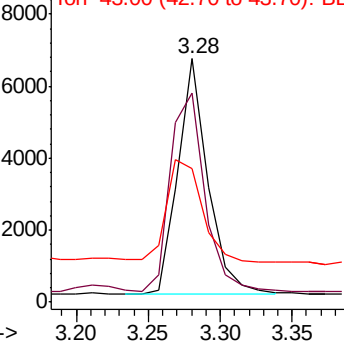
#2

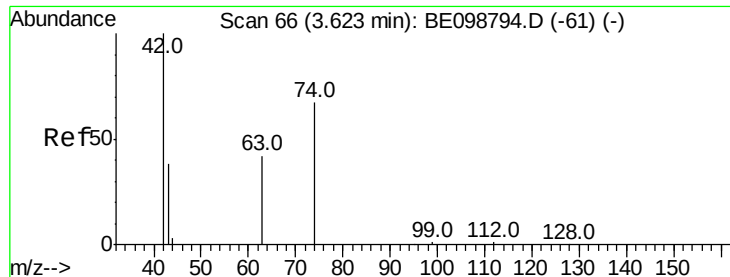
1,4-Dioxane
Concen: 9.154 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098934.D
Acq: 14 Mar 2019 6:15

Tgt Ion: 88 Resp: 9536
Ion Ratio Lower Upper
88 100
58 95.0 75.8 113.6
43 51.7 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: 0.026 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.04 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Instrument :

BNA_E

ClientSampleId :

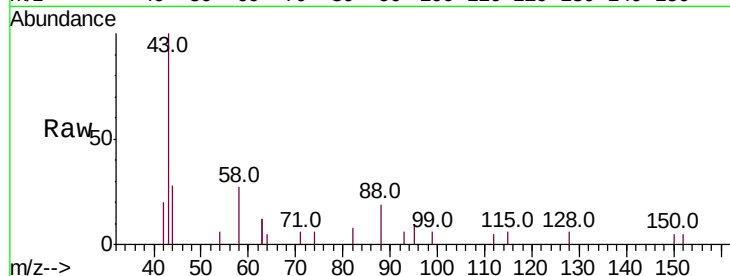
Tot Ion: 42 Resp: 43

Ion Ratio Lower Upper

42 100

74 4.7 57.0 85.4#

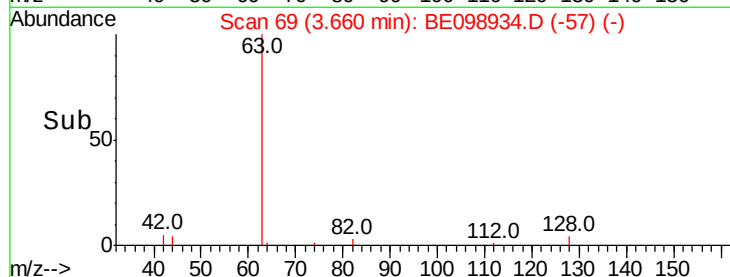
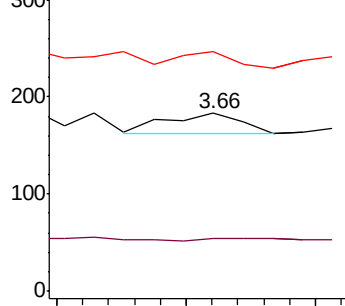
44 60.5 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.163 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.04 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

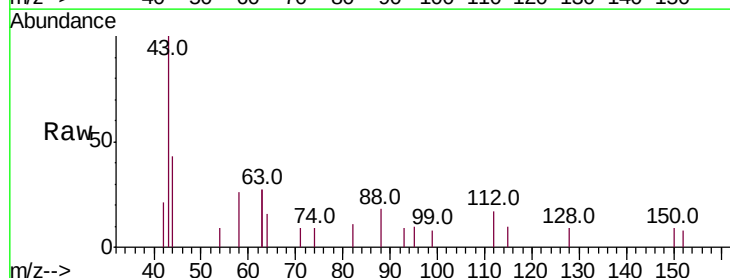
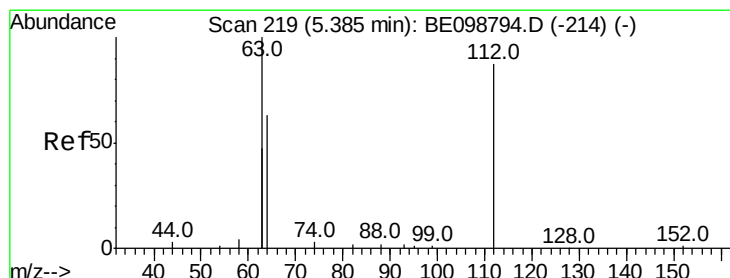
Tgt Ion: 112 Resp: 326

Ion Ratio Lower Upper

112 100

64 0.0 57.9 86.9#

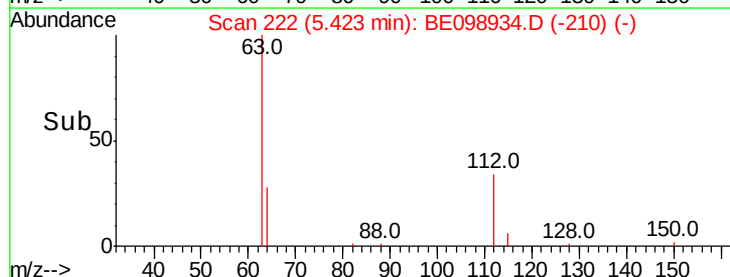
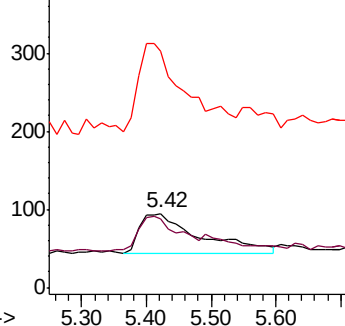
63 0.0 158.3 237.5#

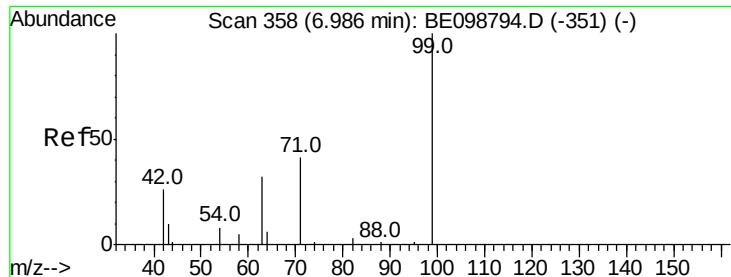


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.002 ng

RT: 6.95 min Scan# 355

Delta R.T. -0.03 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Instrument :

BNA_E

ClientSampled :

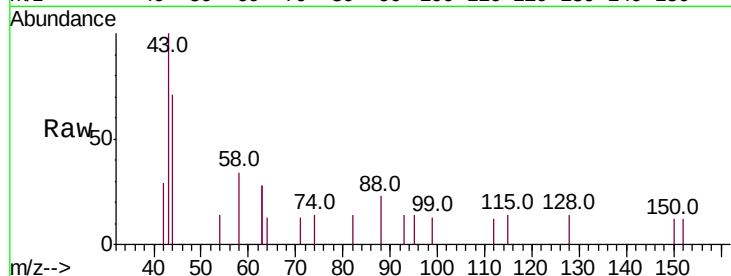
Tot Ion: 99 Resp: 5

Ion Ratio Lower Upper

99 100

42 360.0 24.2 36.2#

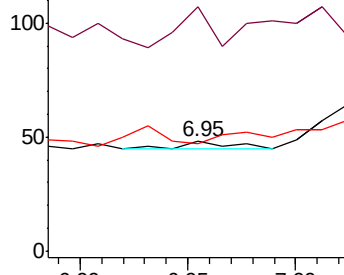
71 0.0 35.7 53.5#



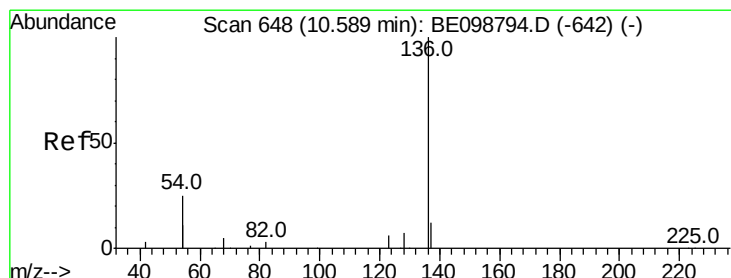
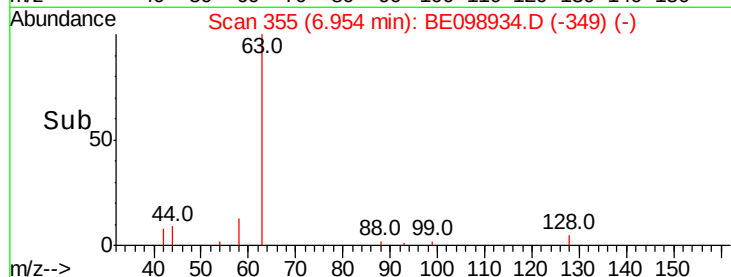
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Tgt Ion: 136 Resp: 3059

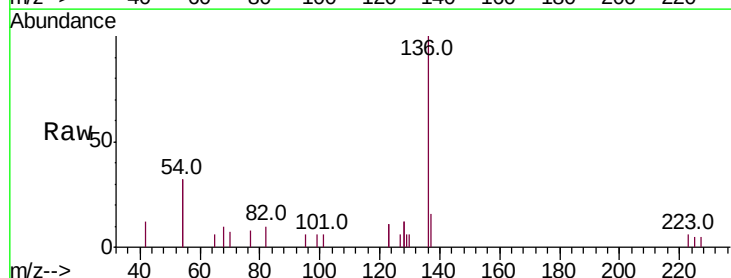
Ion Ratio Lower Upper

136 100

137 16.0 11.4 17.0

54 64.4 39.3 58.9#

68 10.2 6.7 10.1#

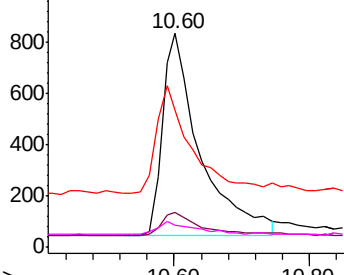


Abundance Ion 136.00 (135.70 to 136.70): E

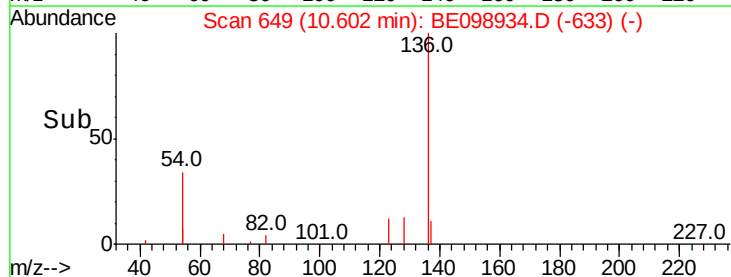
Ion 137.00 (136.70 to 137.70): E

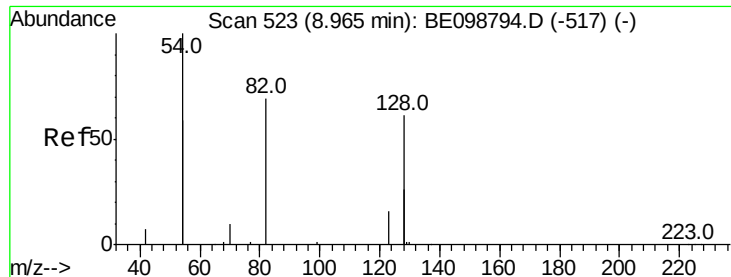
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->

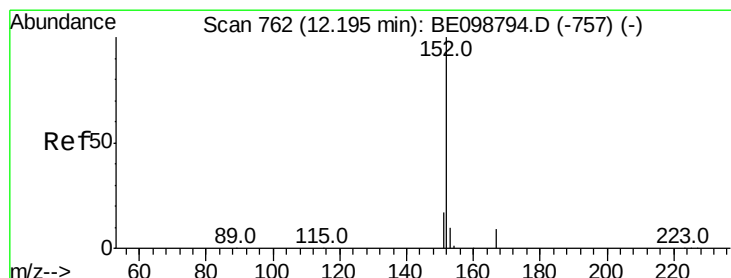
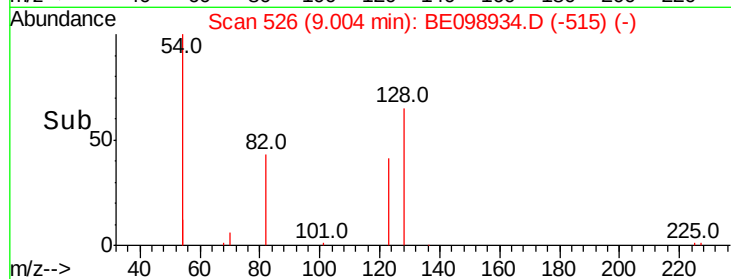
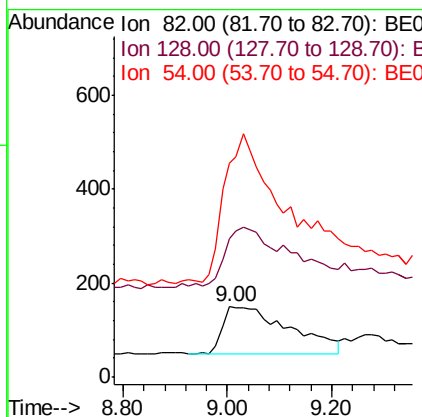
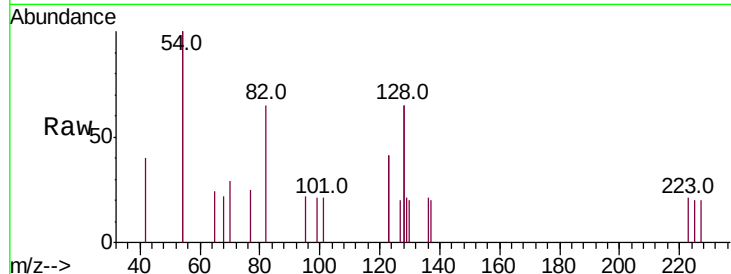




#8
 Nitrobenzene-d5
 Concen: 0.283 ng
 RT: 9.00 min Scan# 526
 Delta R.T. 0.04 min
 Lab File: BE098934.D
 Acq: 14 Mar 2019 6:15

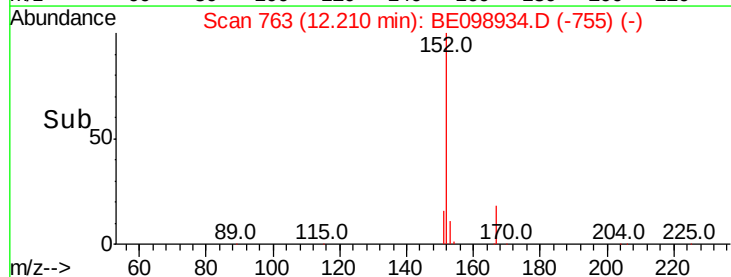
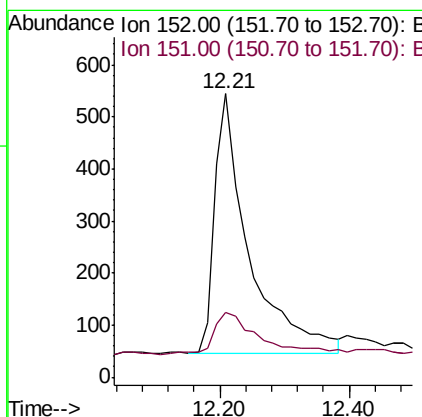
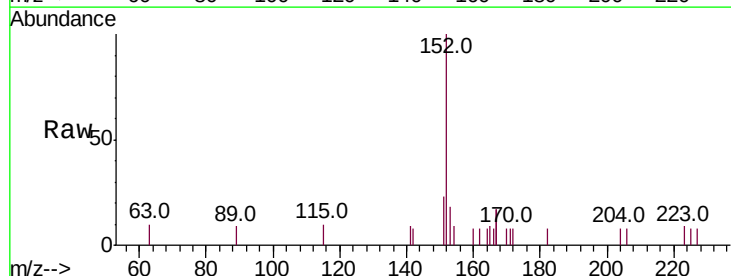
Instrument :
 BNA_E
 ClientSampleId :

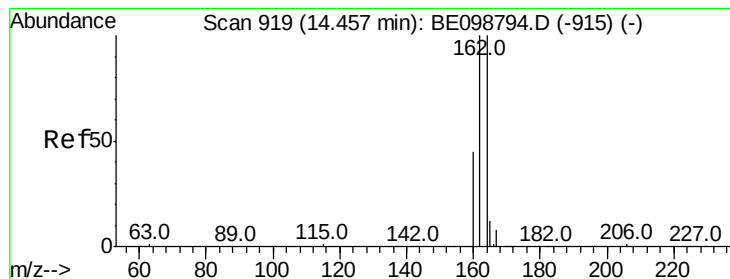
Tot Ion	82	Resp	908
Ion Ratio	Lower	Upper	
82	100		
128	198.7	123.8	185.8#
54	306.0	203.4	305.2#



#11
 2-Methylnaphthalene-d10
 Concen: 0.323 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE098934.D
 Acq: 14 Mar 2019 6:15

Tgt Ion	152	Resp	1829
Ion Ratio	Lower	Upper	
152	100		
151	18.5	16.5	24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Instrument :

BNA_E

ClientSampled :

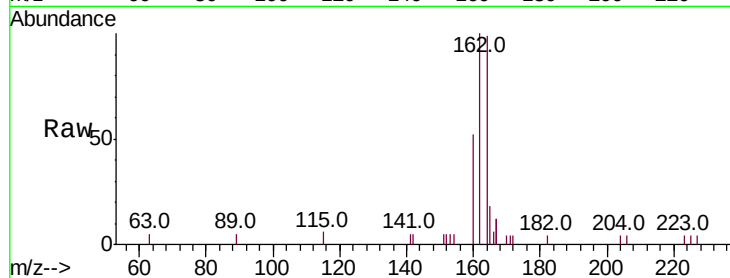
Tot Ion:164 Resp: 2194

Ion Ratio Lower Upper

164 100

162 101.0 80.2 120.2

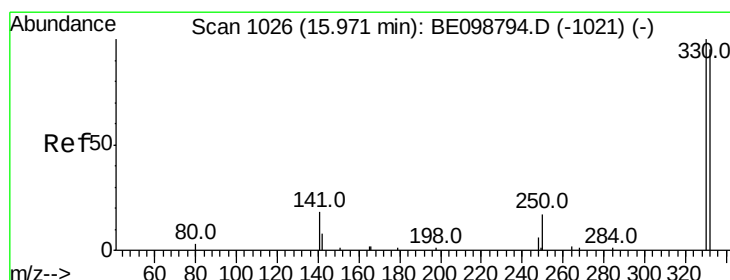
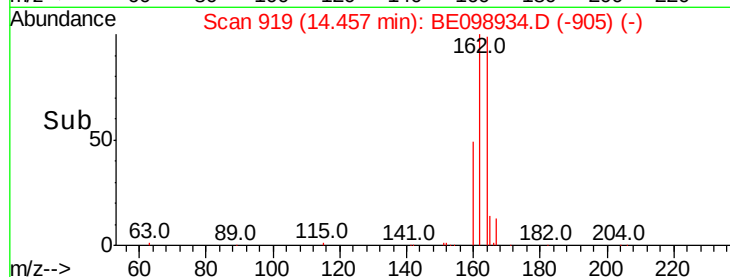
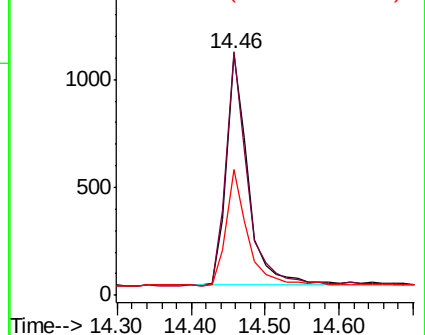
160 52.0 37.8 56.8



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: 0.380 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

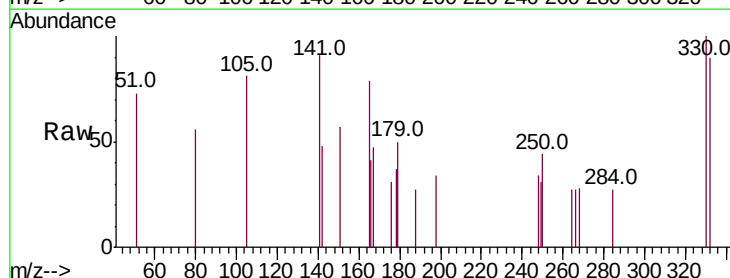
Tgt Ion:330 Resp: 421

Ion Ratio Lower Upper

330 100

332 97.4 77.6 116.4

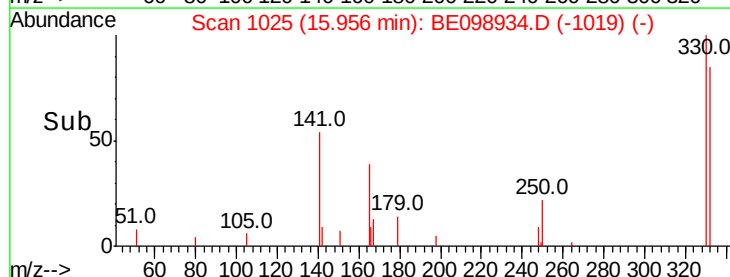
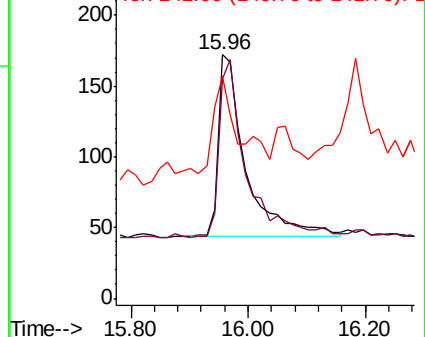
141 39.2 31.0 46.4

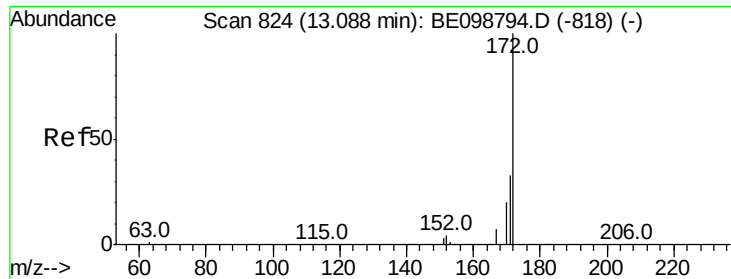


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

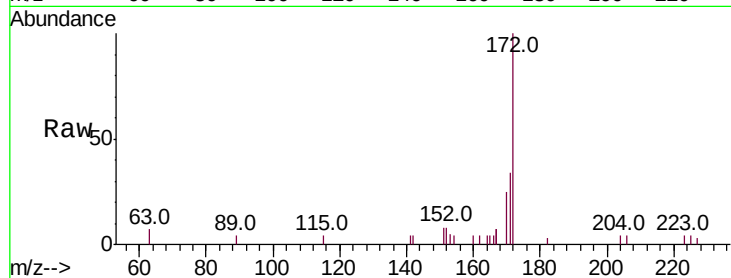




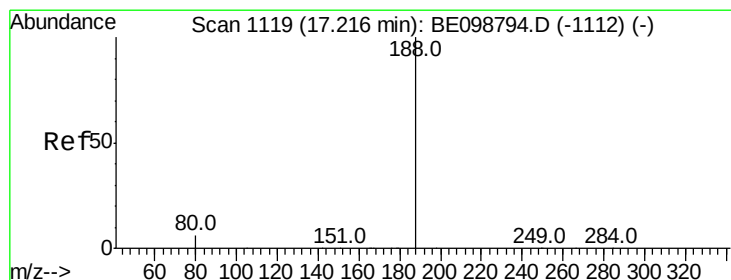
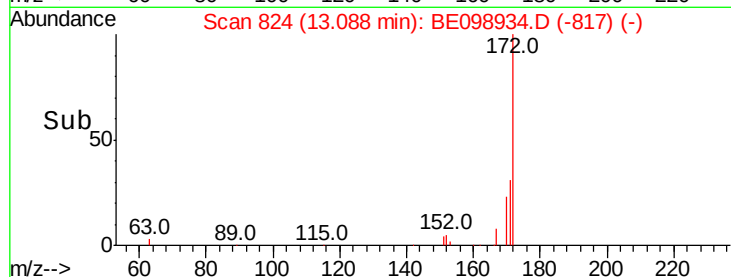
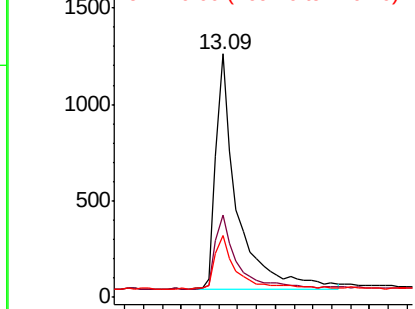
#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098934.D
Acq: 14 Mar 2019 6:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3765
Ion Ratio Lower Upper
172 100
171 33.8 28.0 42.0
170 25.3 17.7 26.5

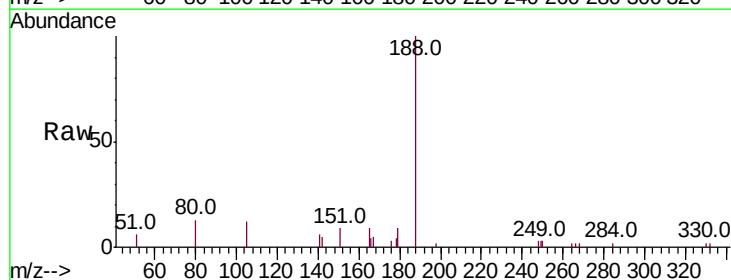


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

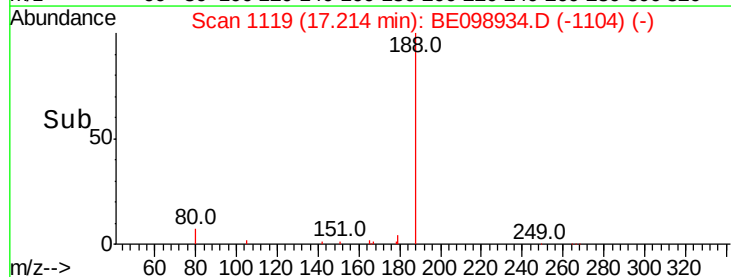
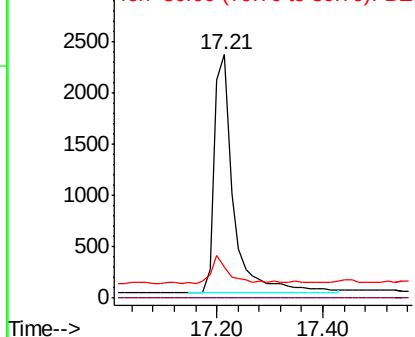


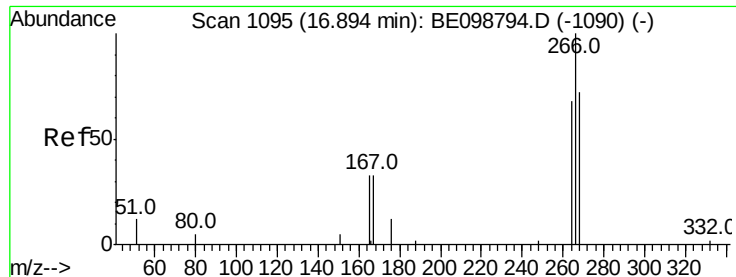
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE098934.D
Acq: 14 Mar 2019 6:15

Tgt Ion:188 Resp: 5712
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 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: 0.268 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098934.D

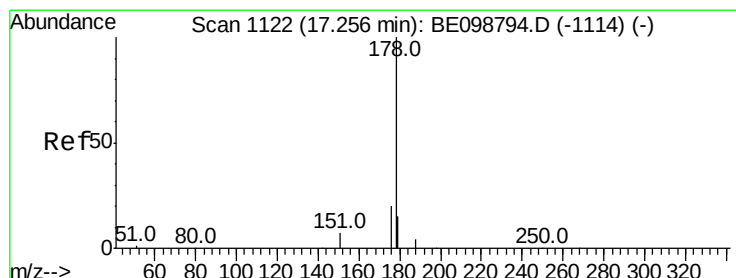
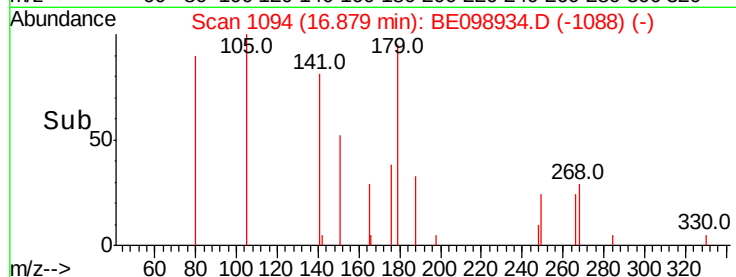
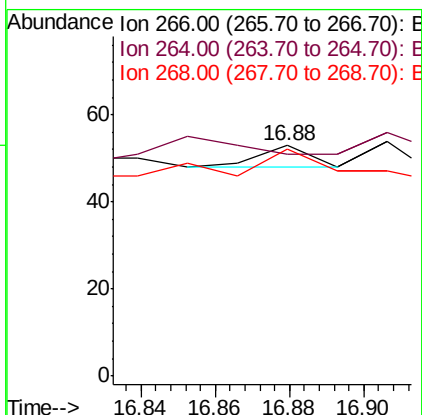
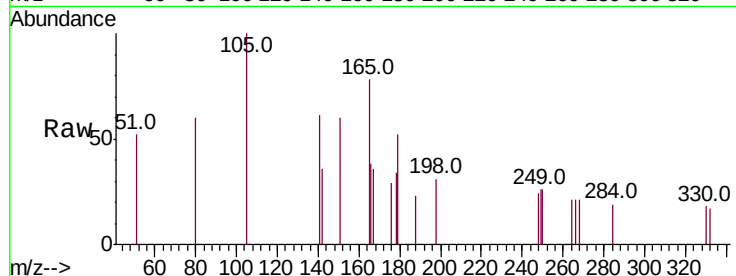
Acq: 14 Mar 2019 6:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	266	Resp:	5
Ion	Ratio	Lower	Upper
266	100		
264	96.2	66.6	100.0
268	98.1	69.8	104.8



#23

Phenanthrene

Concen: 0.042 ng

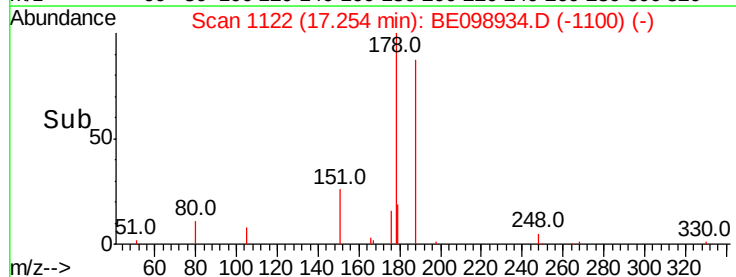
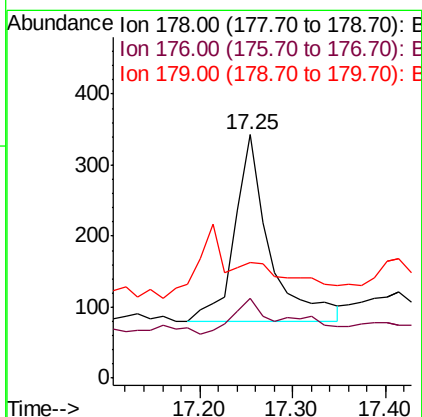
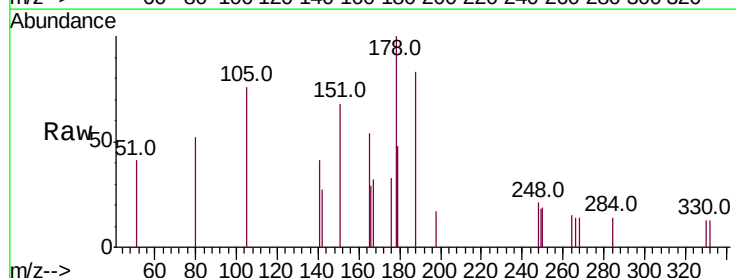
RT: 17.25 min Scan# 1122

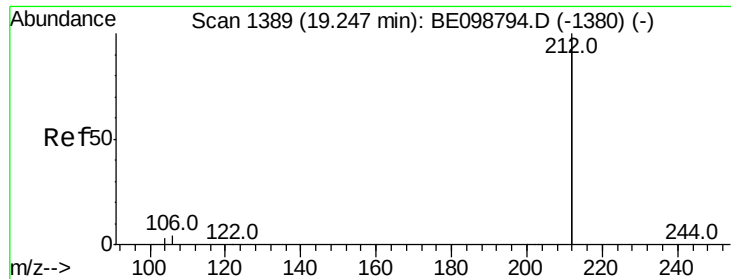
Delta R.T. -0.00 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Tgt Ion:	178	Resp:	683
Ion	Ratio	Lower	Upper
178	100		
176	16.7	16.0	24.0
179	0.0	12.1	18.1#





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Instrument :

BNA_E

ClientSampleId :

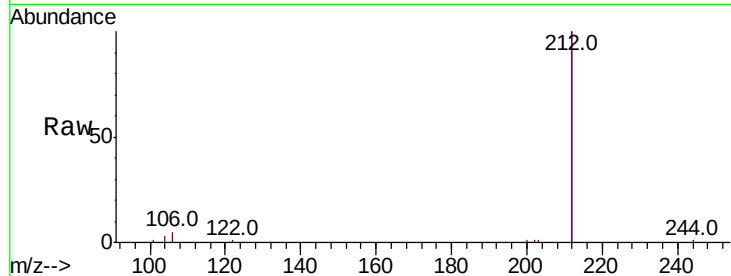
Tot Ion:212 Resp: 29720

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

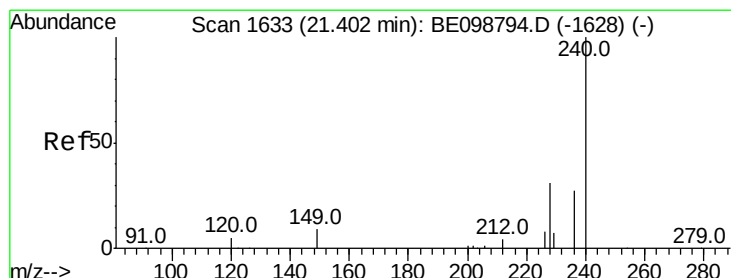
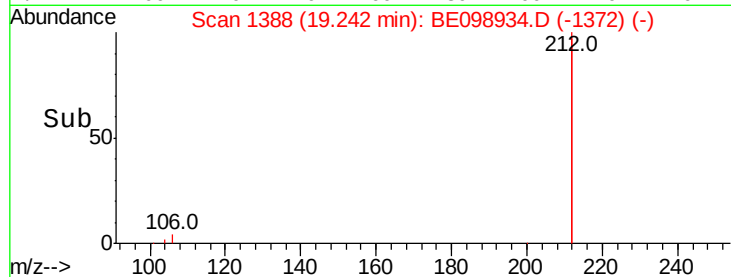
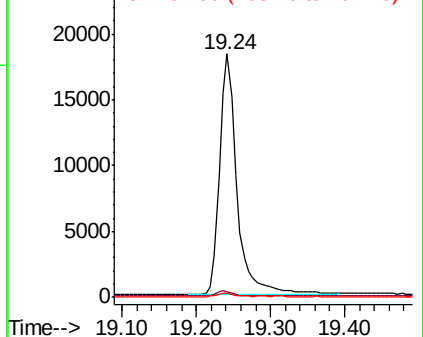
104 1.3 1.0 1.6



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

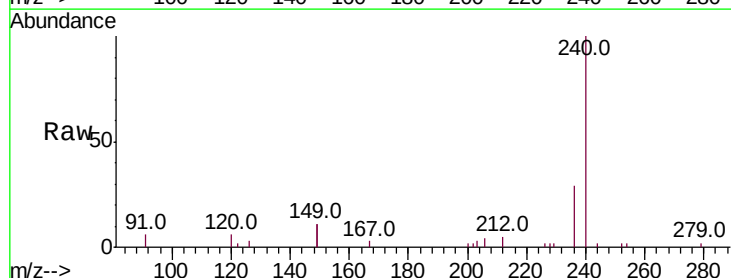
Tgt Ion:240 Resp: 6628

Ion Ratio Lower Upper

240 100

120 6.5 5.0 7.4

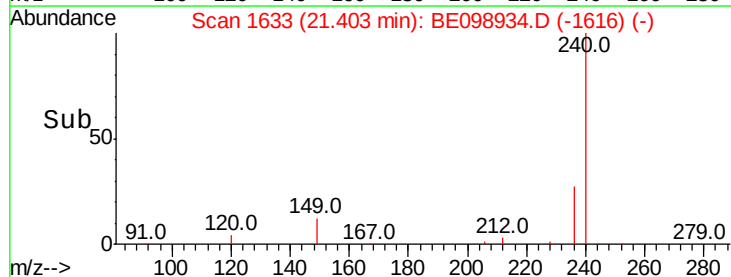
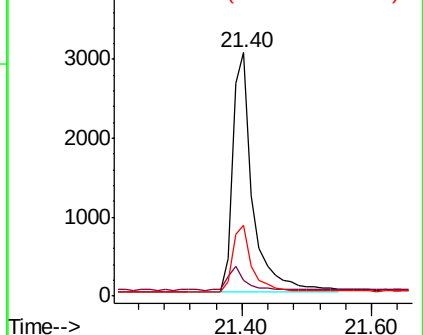
236 29.0 22.7 34.1

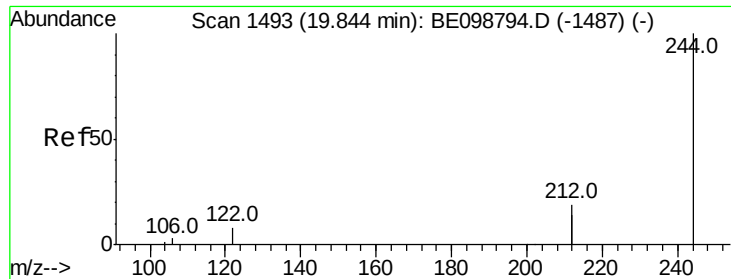


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.513 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098934.D

Acq: 14 Mar 2019 6:15

Instrument :

BNA_E

ClientSampleId :

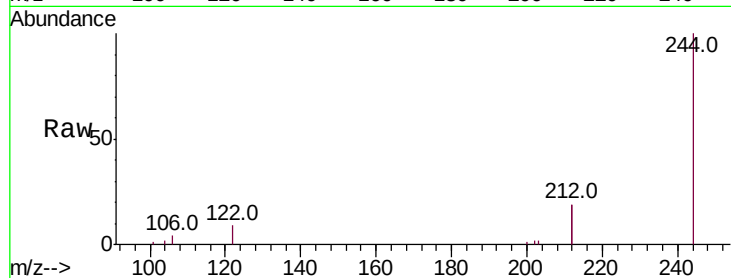
Tot Ion:244 Resp: 8270

Ion Ratio Lower Upper

244 100

212 37.9 29.4 44.2

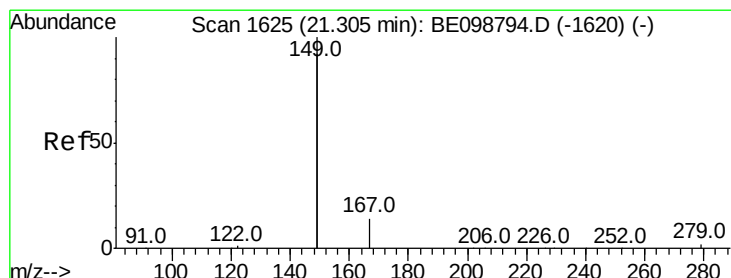
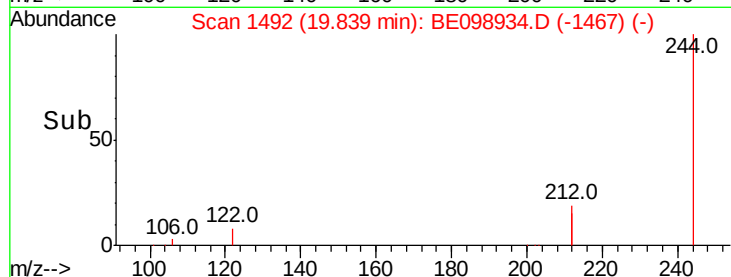
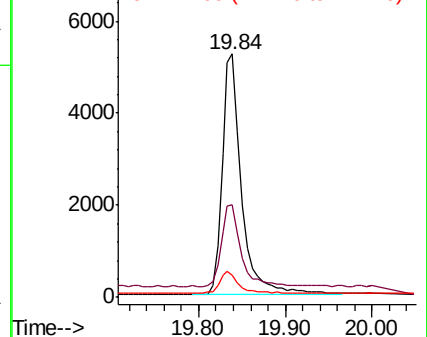
122 9.2 7.1 10.7



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: BE098934.D

Acq: 14 Mar 2019 6:15

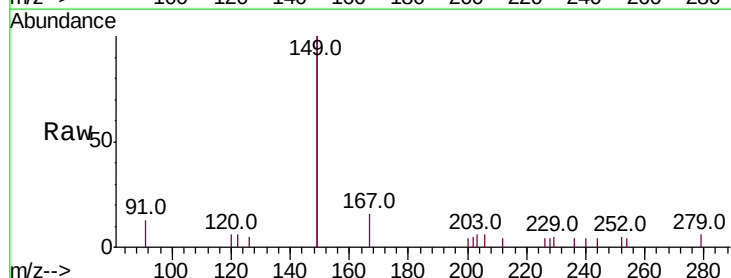
Tgt Ion:149 Resp: 2383

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

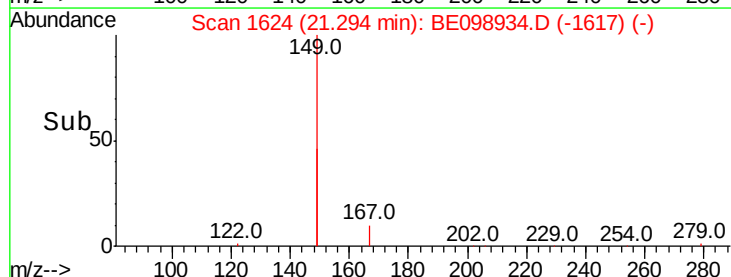
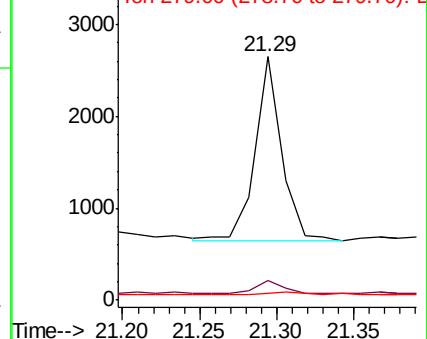
279 2.6 1.0 1.4#

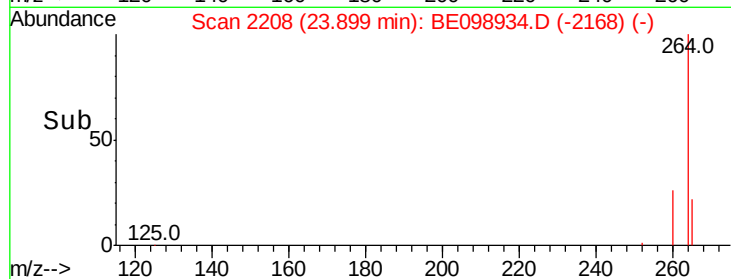
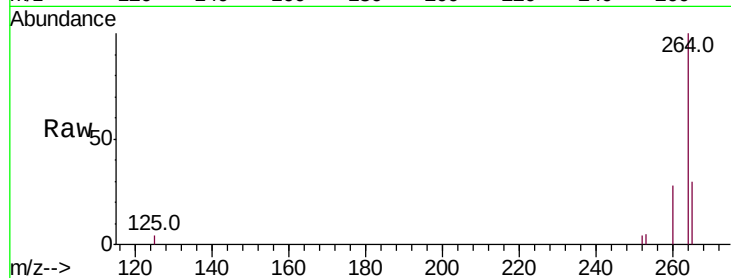
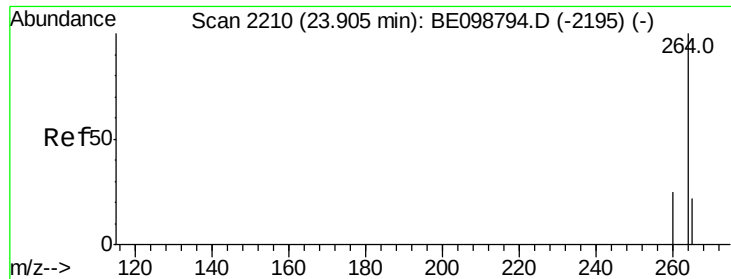


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BE098934.D
 Acq: 14 Mar 2019 6:15

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 6403
 Ion Ratio Lower Upper
 264 100
 260 27.6 21.2 31.8
 265 29.8 24.6 36.8

