

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031319\
 Data File : BE098927.D
 Acq On : 14 Mar 2019 1:52
 Operator : JU/SJ
 Sample : K1860-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FB01-20190311

Quant Time: Mar 14 06:57:34 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	471	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	2038	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	1500	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	3525	0.40	ng	0.00
27) Chrysene-d12	21.40	240	4168	0.40	ng	0.00
34) Perylene-d12	23.90	264	4000	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	565	0.40	ng	0.01
5) Phenol-d6	7.02	99	528	0.27	ng	0.04
8) Nitrobenzene-d5	8.98	82	1769	0.83	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	2149	0.57	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1203	1.59	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7738	1.25	ng	-0.01
25) Fluoranthene-d10	19.25	212	31254	0.56	ng	0.00
29) Terphenyl-d14	19.84	244	19064	1.88	ng	0.00

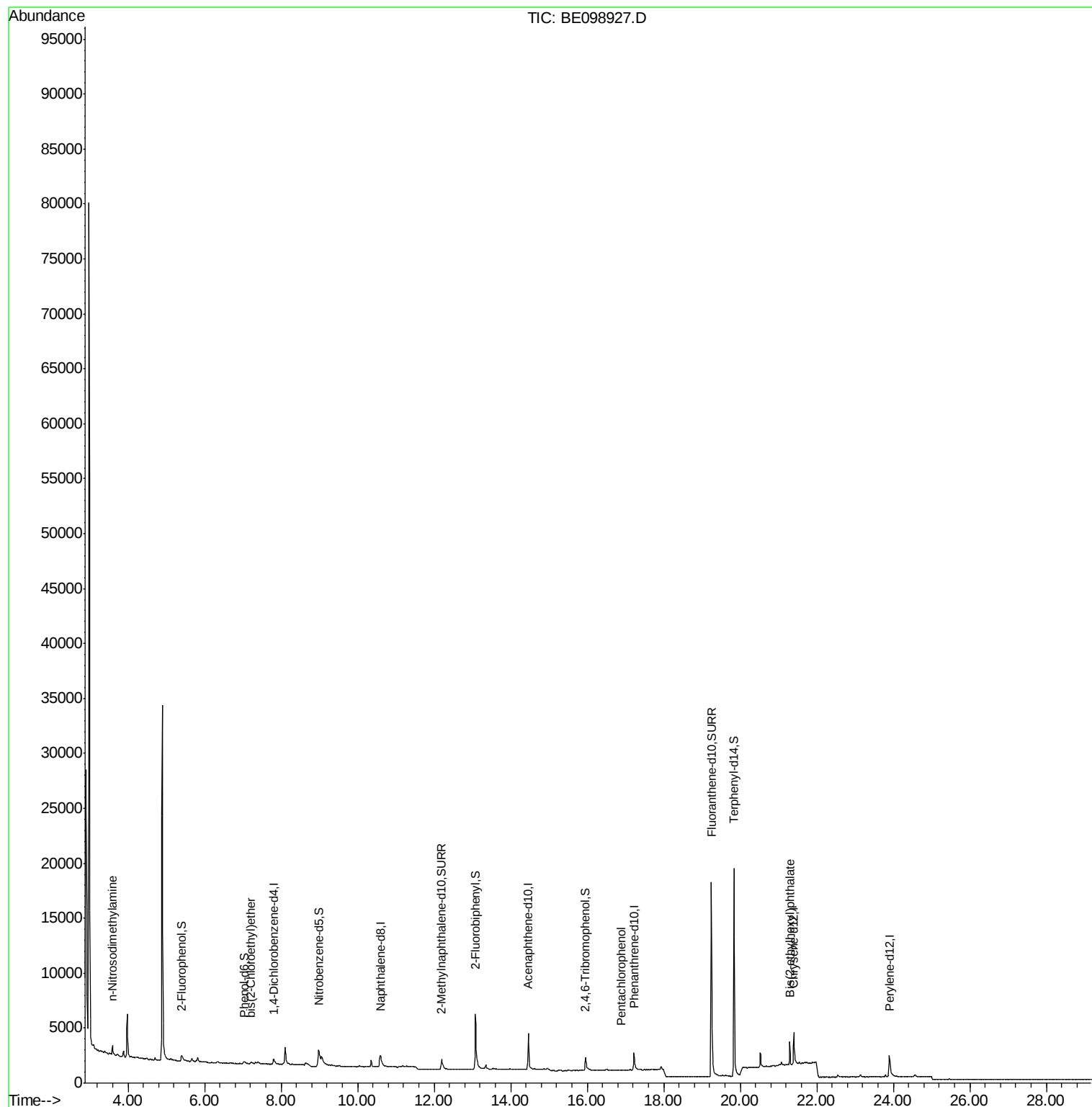
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	21	Below Cal	#	11
3) n-Nitrosodimethylamine	3.59	42	73	0.062	ng	14
6) bis(2-Chloroethyl)ether	7.21	93	34	0.022	ng	1
22) Pentachlorophenol	16.89	266	10	0.277	ng	91
32) Bis(2-ethylhexyl)phthalate	21.29	149	2419	0.087	ng	98

(#) = 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: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

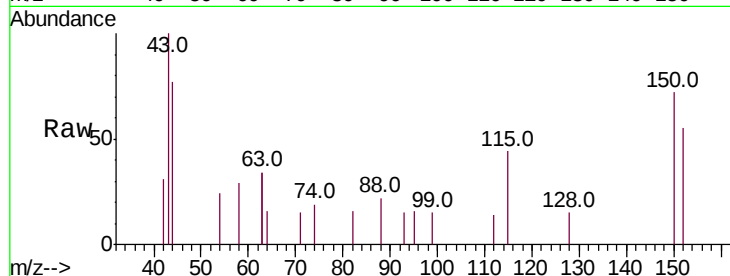
Tot Ion:152 Resp: 471

Ion Ratio Lower Upper

152 100

150 130.7 122.5 183.7

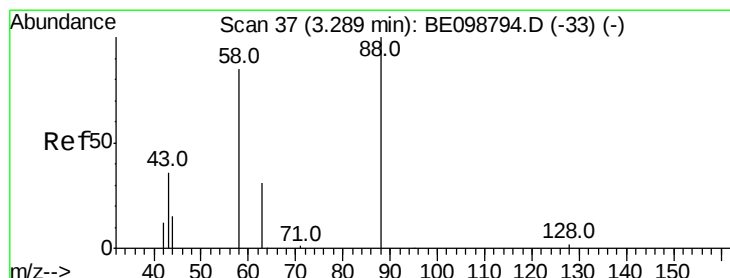
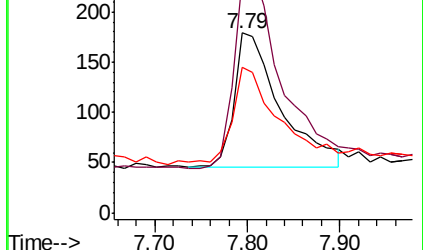
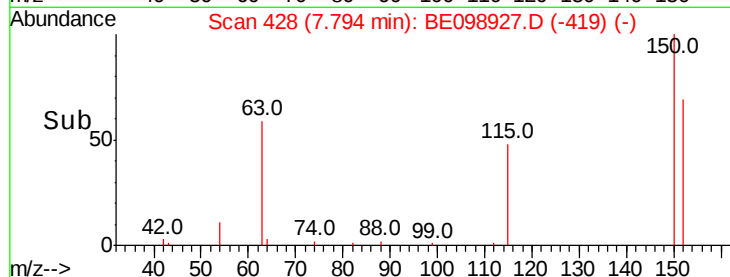
115 81.0 57.4 86.2



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: Below Cal

RT: 3.28 min Scan# 36

Delta R.T. -0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

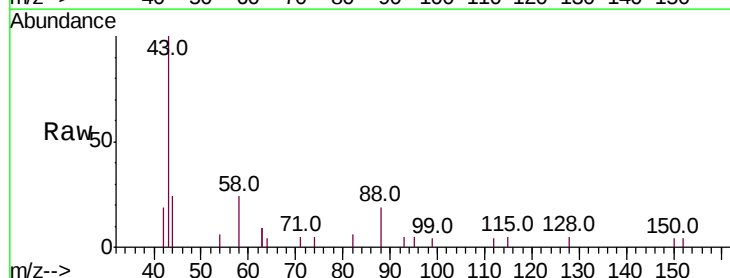
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

58 0.0 75.8 113.6#

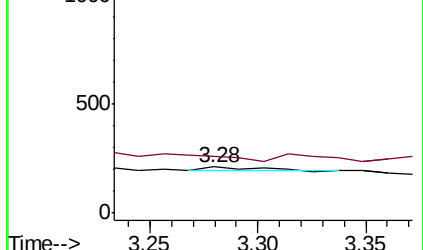
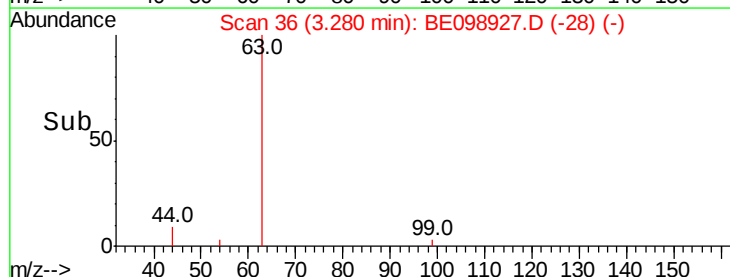
43 0.0 41.8 62.8#



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: 0.062 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.03 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

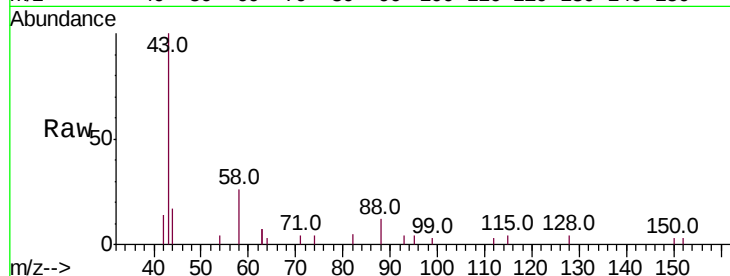
Tot Ion: 42 Resp: 73

Ion Ratio Lower Upper

42 100

74 0.0 57.0 85.4#

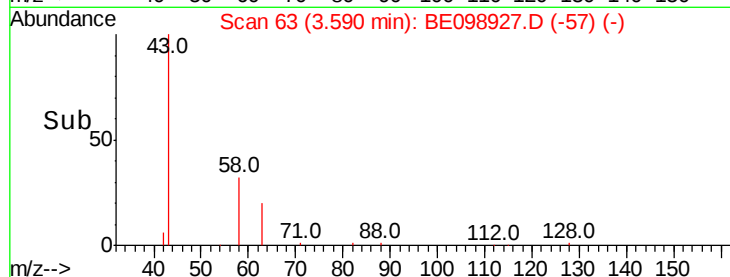
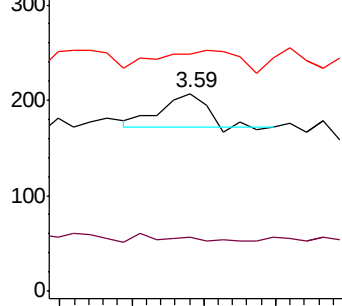
44 130.1 0.0 0.0#



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: 0.401 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

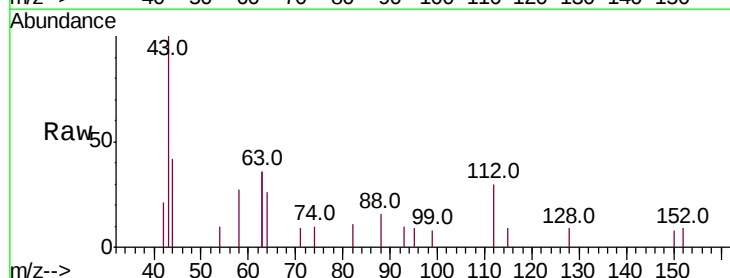
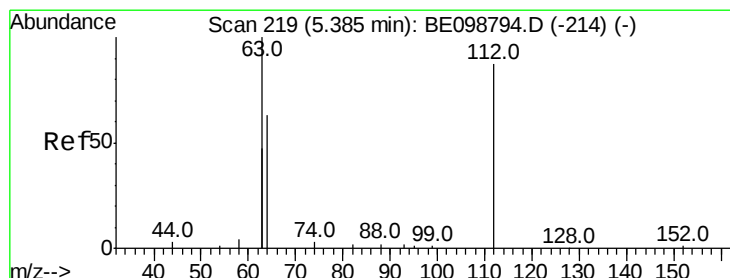
Tgt Ion: 112 Resp: 565

Ion Ratio Lower Upper

112 100

64 83.2 57.9 86.9

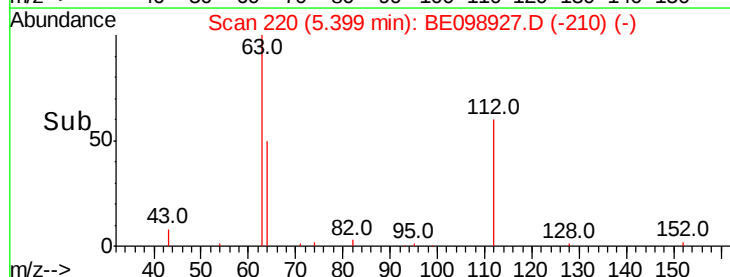
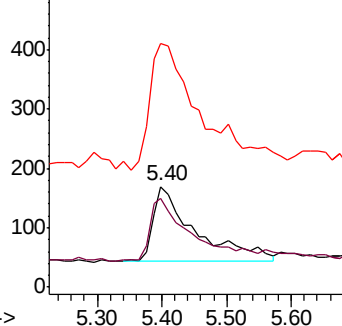
63 219.6 158.3 237.5

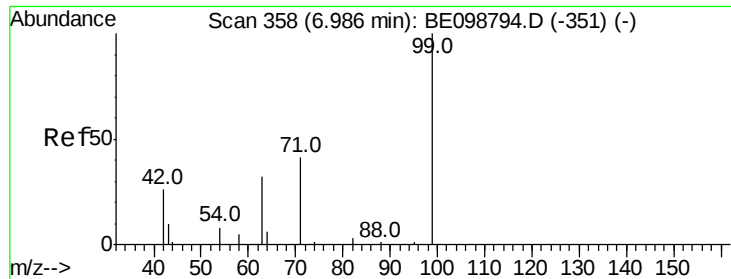


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.265 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.04 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

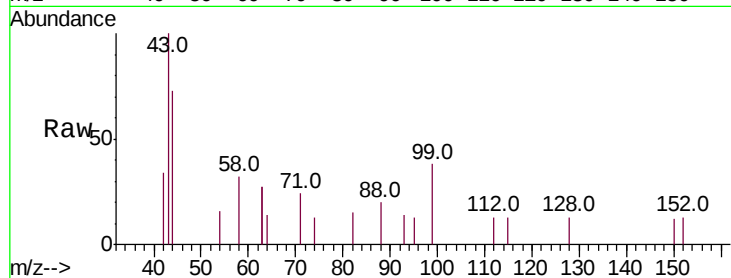
Tot Ion: 99 Resp: 528

Ion Ratio Lower Upper

99 100

42 29.5 24.2 36.2

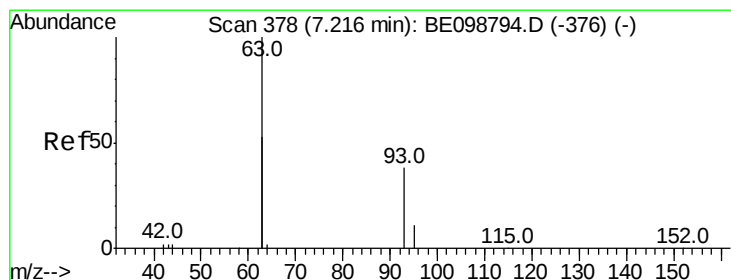
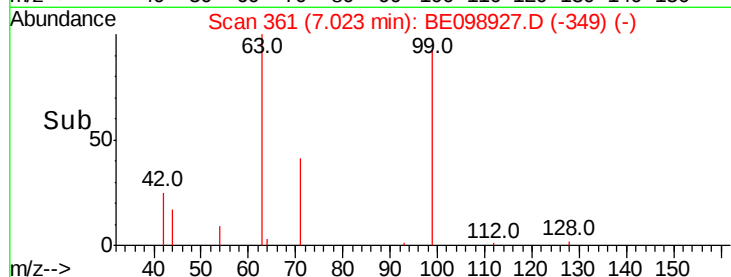
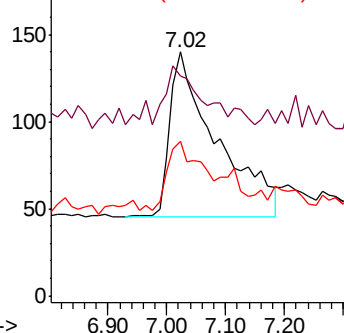
71 29.7 35.7 53.5#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.21 min Scan# 377

Delta R.T. -0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

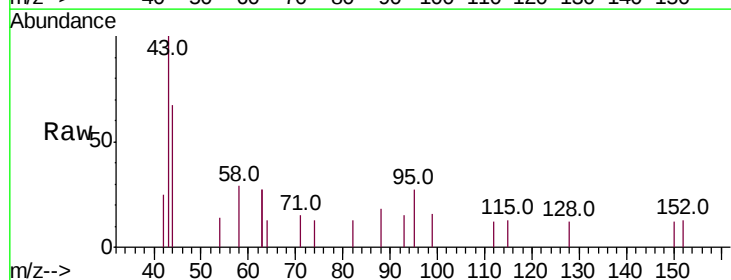
Tgt Ion: 93 Resp: 34

Ion Ratio Lower Upper

93 100

63 297.1 247.5 371.3

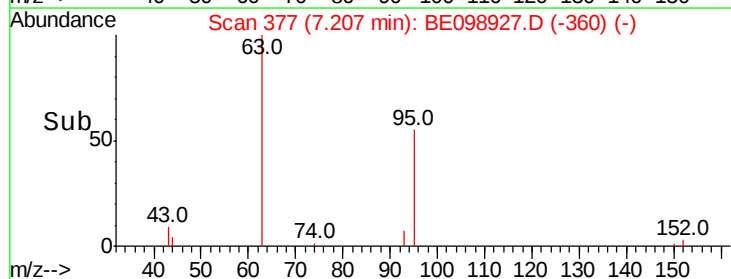
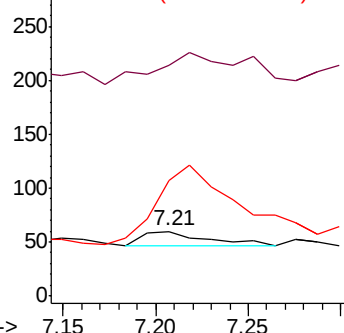
95 688.2 21.8 32.8#

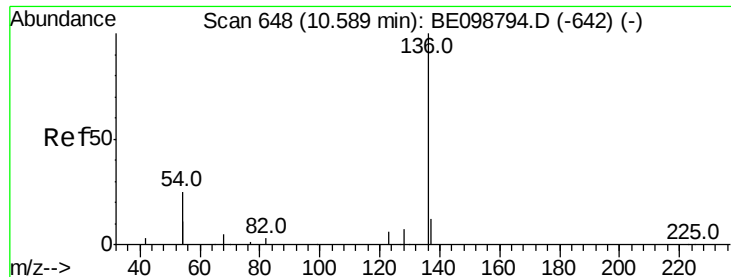


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

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ClientSampleId :

FB01-20190311

Tot Ion:136 Resp: 2038

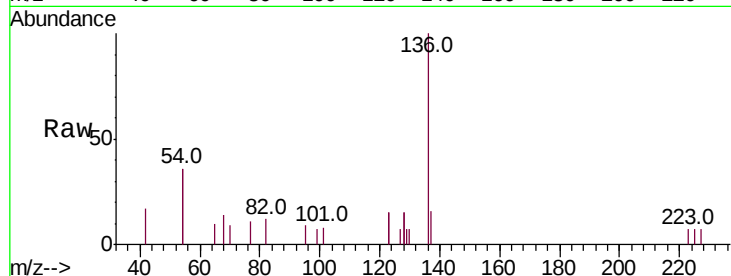
Ion Ratio Lower Upper

136 100

137 16.3 11.4 17.0

54 71.5 39.3 58.9#

68 14.4 6.7 10.1#

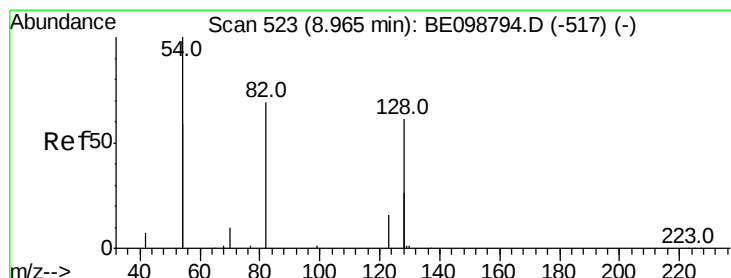
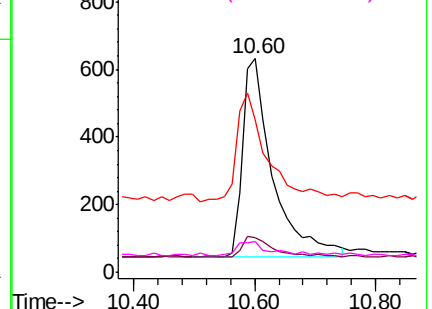
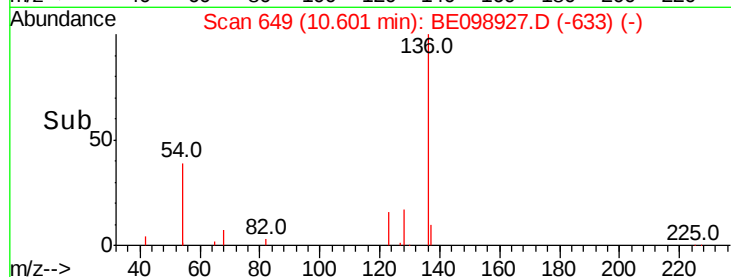


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.828 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

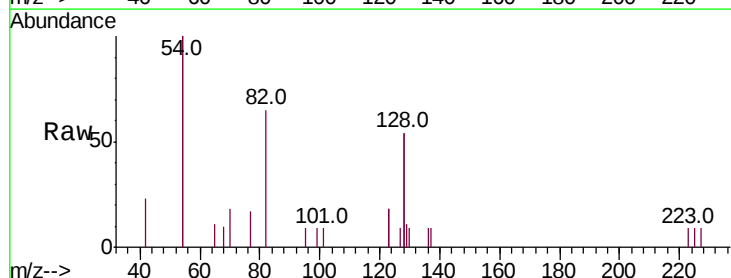
Tgt Ion: 82 Resp: 1769

Ion Ratio Lower Upper

82 100

128 165.1 123.8 185.8

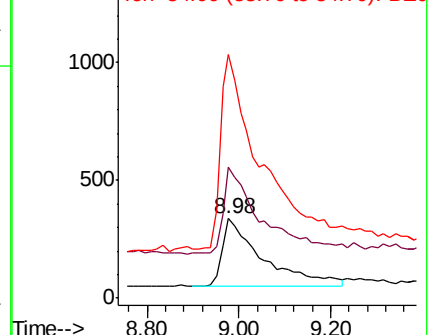
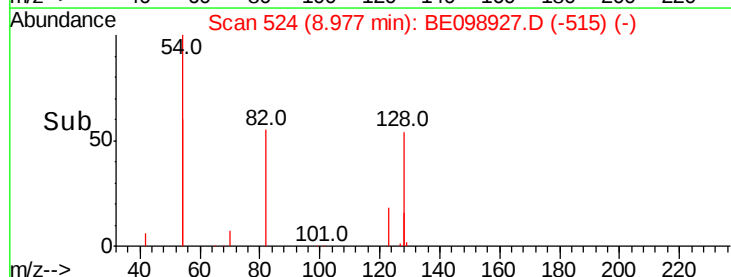
54 305.9 203.4 305.2#

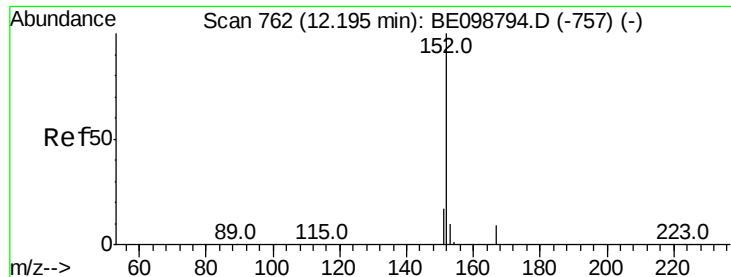


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

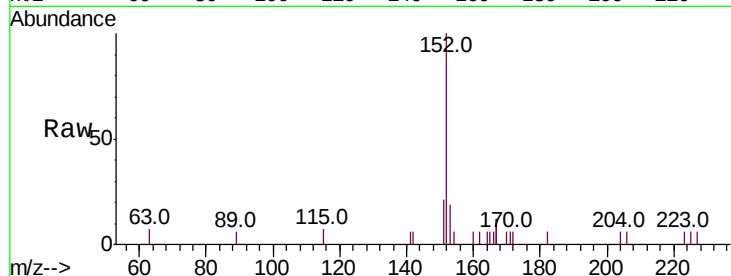




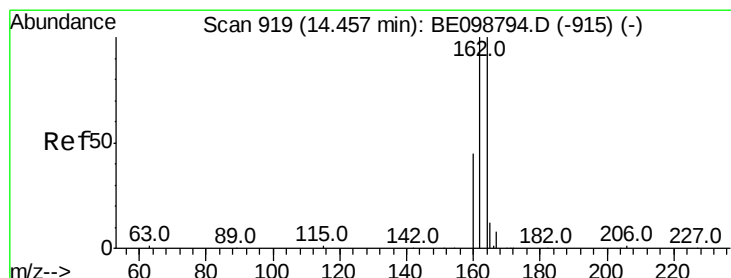
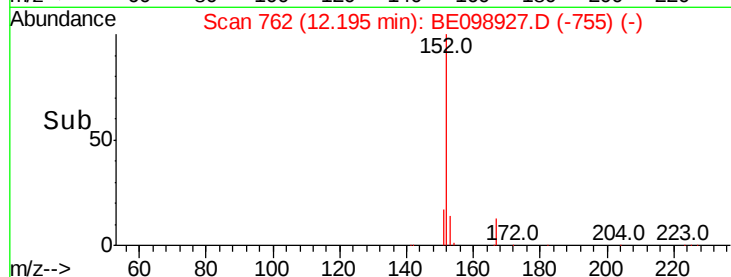
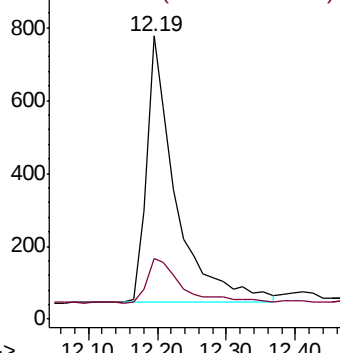
#11
2-Methylnaphthalene-d10
Concen: 0.570 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE098927.D
Acq: 14 Mar 2019 1:52

Instrument :
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Tot Ion:152 Resp: 2149
Ion Ratio Lower Upper
152 100
151 19.8 16.5 24.7

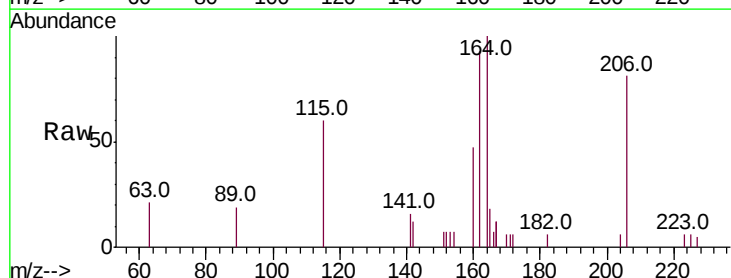


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E

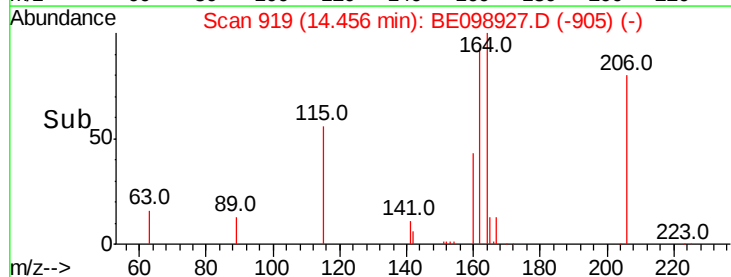
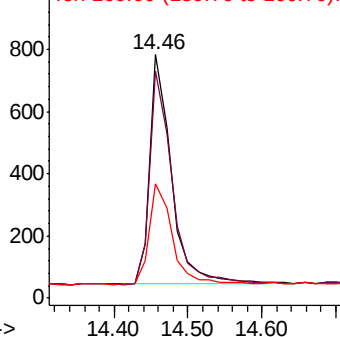


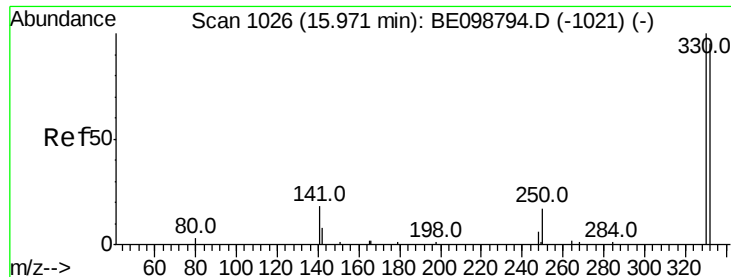
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098927.D
Acq: 14 Mar 2019 1:52

Tgt Ion:164 Resp: 1500
Ion Ratio Lower Upper
164 100
162 93.5 80.2 120.2
160 47.0 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: 1.589 ng

RT: 15.96 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

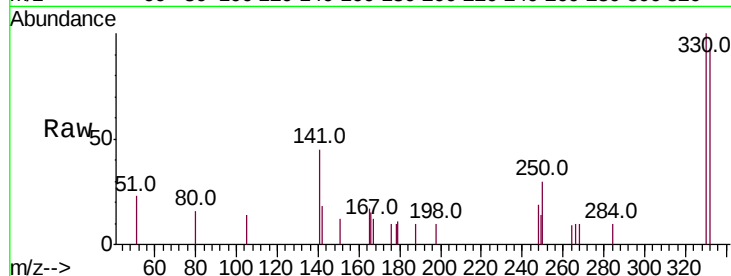
Tot Ion:330 Resp: 1203

Ion Ratio Lower Upper

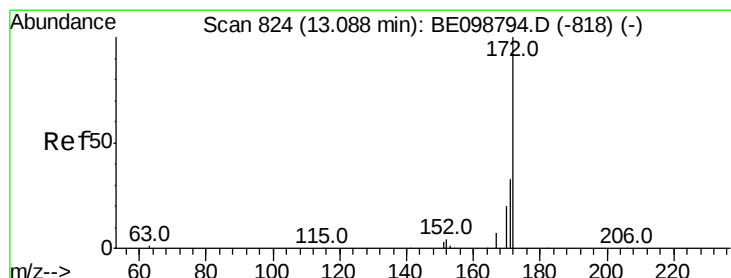
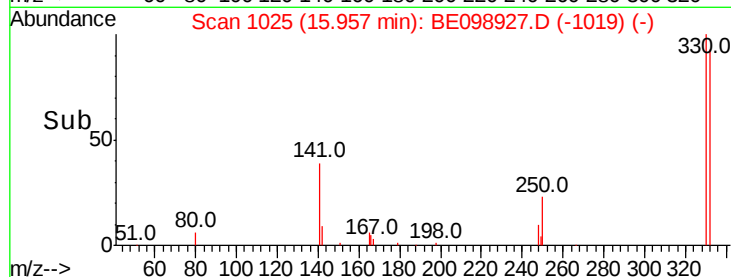
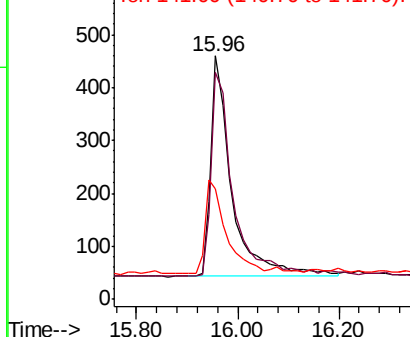
330 100

332 97.5 77.6 116.4

141 42.0 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: 1.246 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

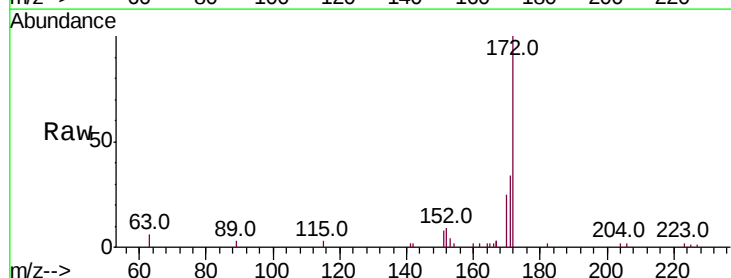
Tgt Ion:172 Resp: 7738

Ion Ratio Lower Upper

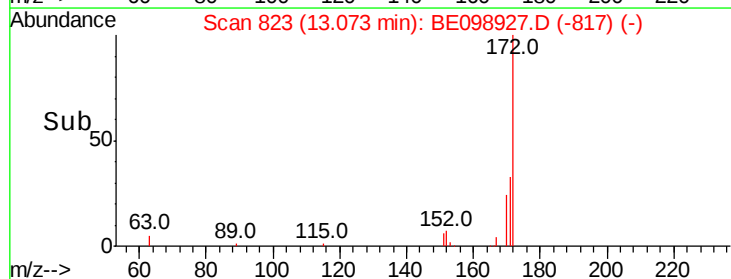
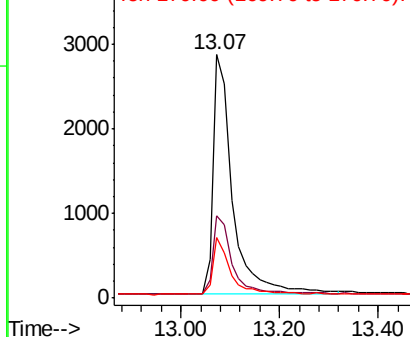
172 100

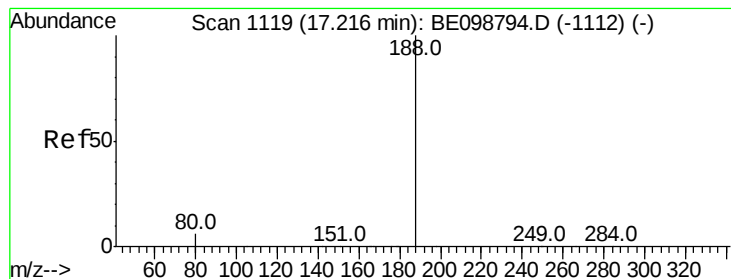
171 33.6 28.0 42.0

170 24.7 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: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

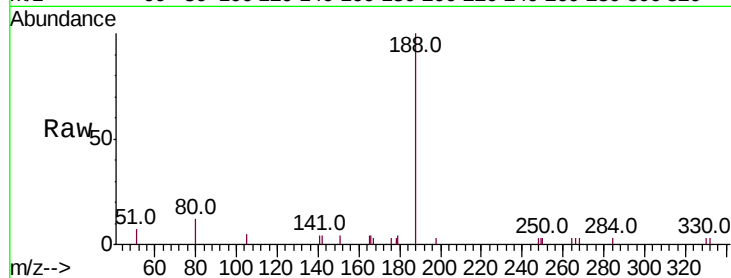
Tot Ion:188 Resp: 3525

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

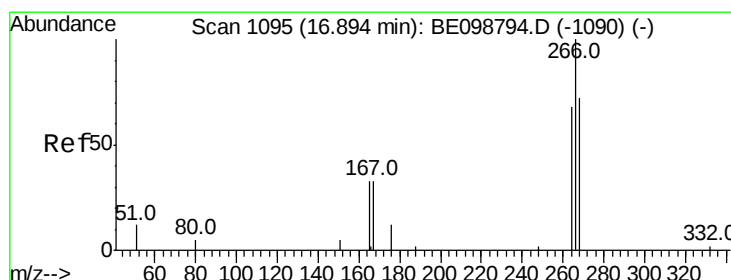
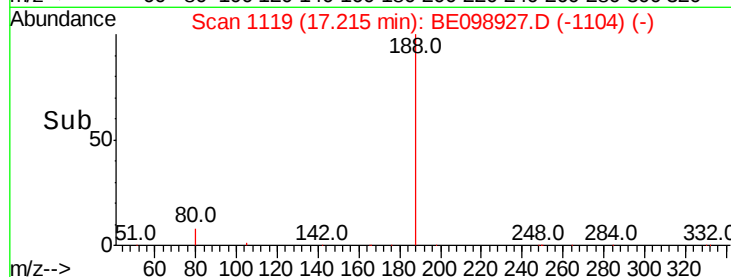
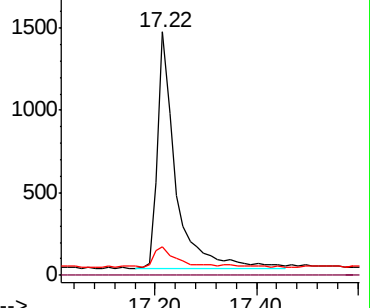
80 11.7 6.3 9.5#



Abundance Ion 188.00 (187.70 to 188.70): E

2000 Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.277 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

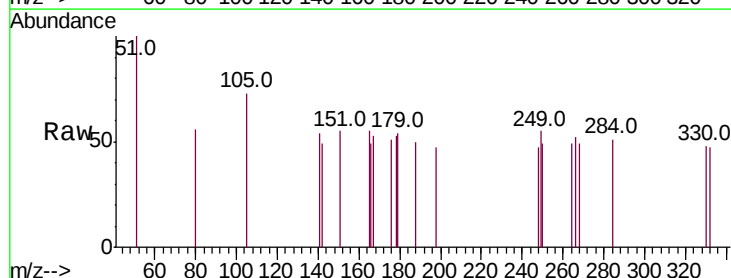
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 93.9 66.6 100.0

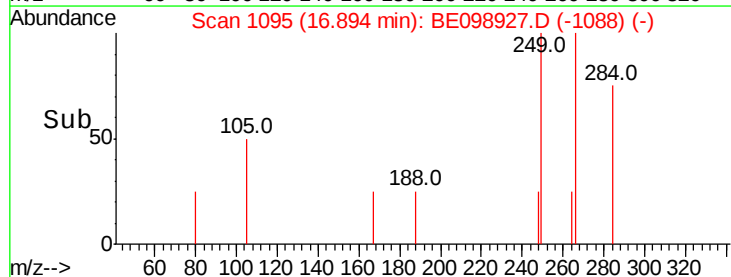
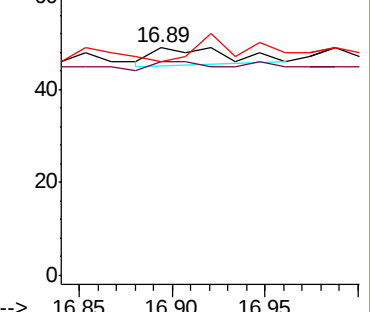
268 93.9 69.8 104.8

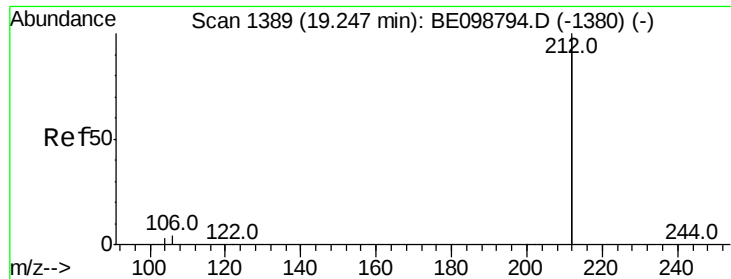


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.555 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

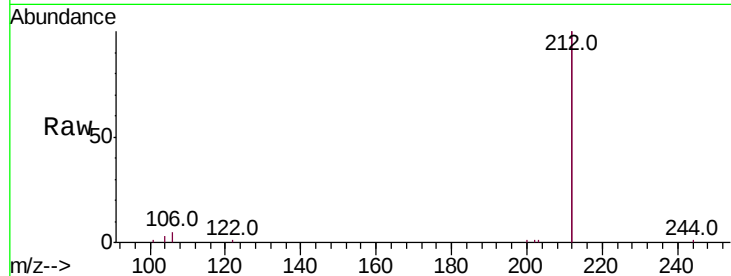
Tot Ion:212 Resp: 31254

Ion Ratio Lower Upper

212 100

106 2.2 1.8 2.8

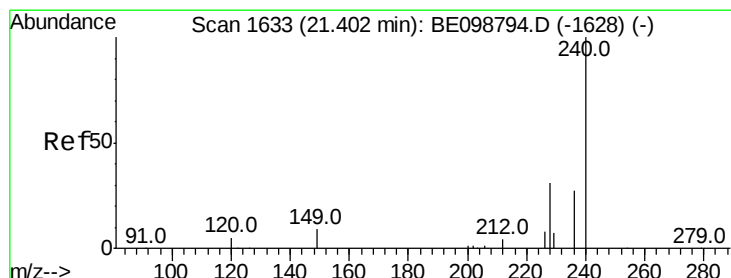
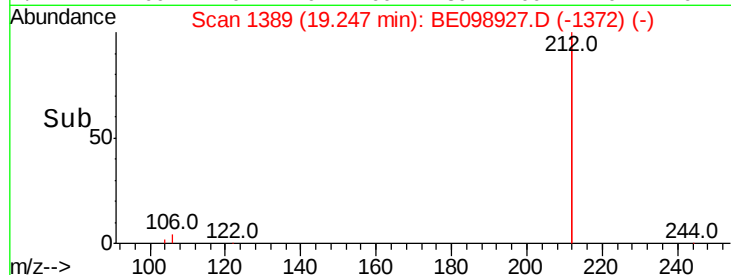
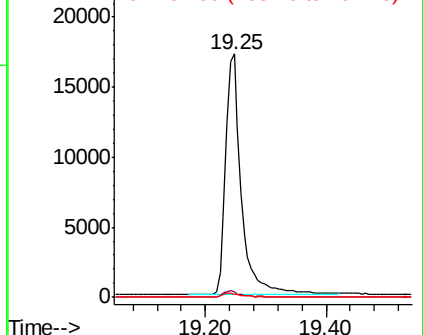
104 1.3 1.0 1.6



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: BE098927.D

Acq: 14 Mar 2019 1:52

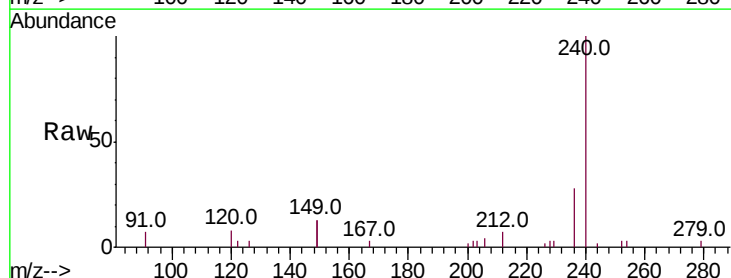
Tgt Ion:240 Resp: 4168

Ion Ratio Lower Upper

240 100

120 7.8 5.0 7.4#

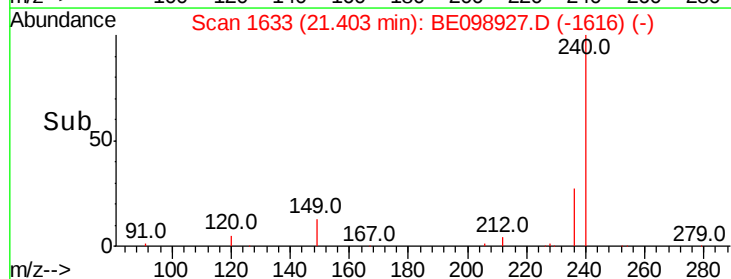
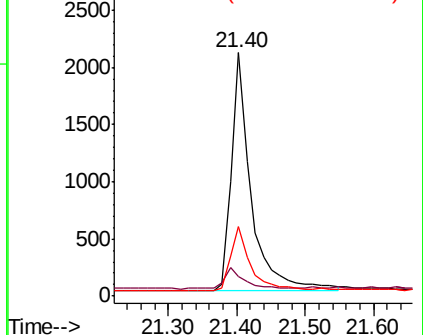
236 28.4 22.7 34.1

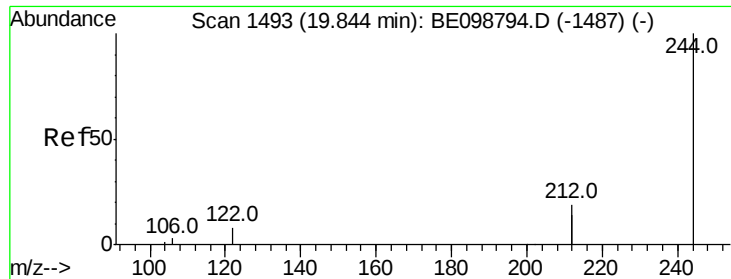


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 1.882 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

Instrument :

BNA_E

ClientSampleId :

FB01-20190311

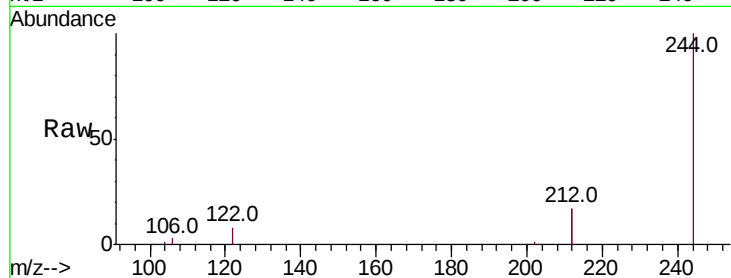
Tot Ion:244 Resp: 19064

Ion Ratio Lower Upper

244 100

212 34.2 29.4 44.2

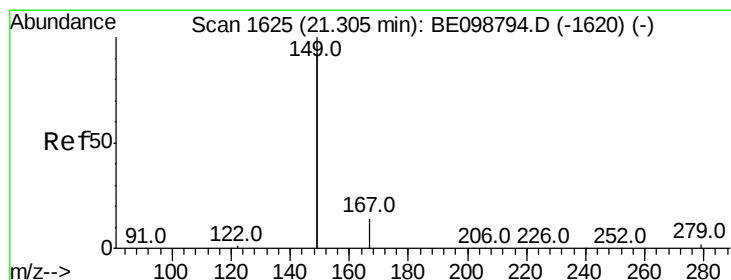
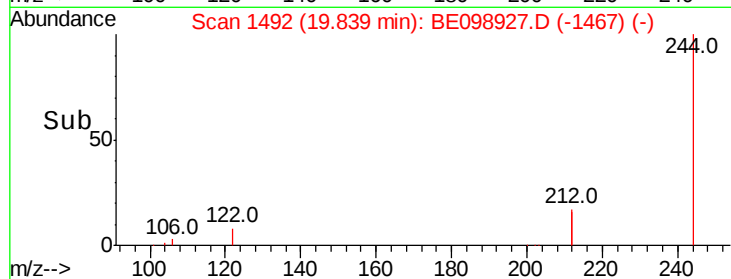
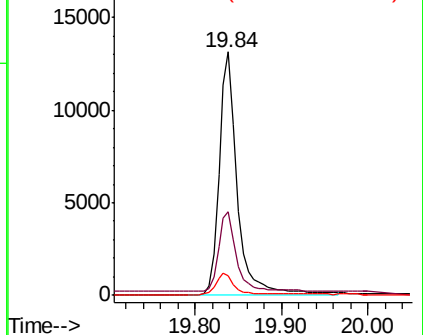
122 8.3 7.1 10.7



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: 0.087 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098927.D

Acq: 14 Mar 2019 1:52

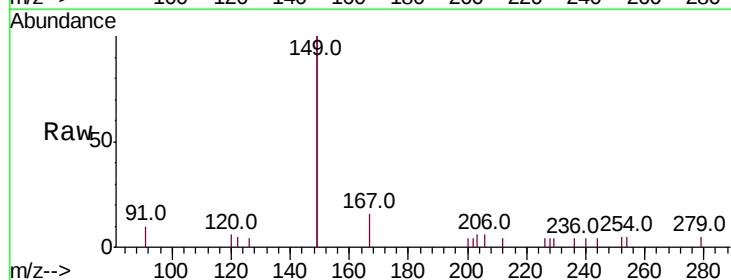
Tgt Ion:149 Resp: 2419

Ion Ratio Lower Upper

149 100

167 6.2 5.4 8.0

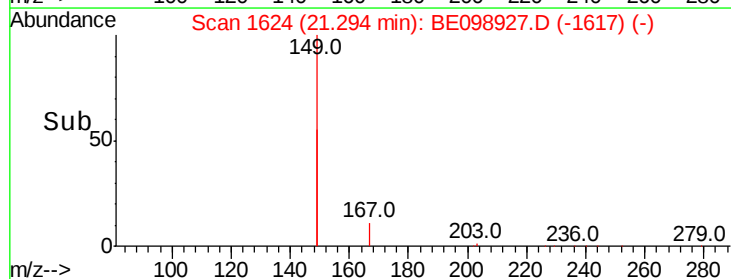
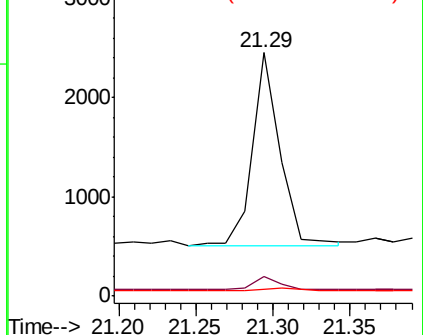
279 2.6 1.0 1.4#

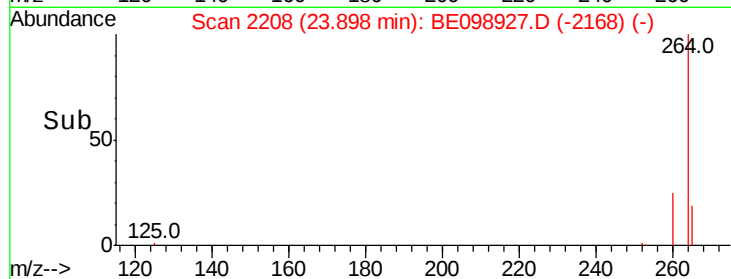
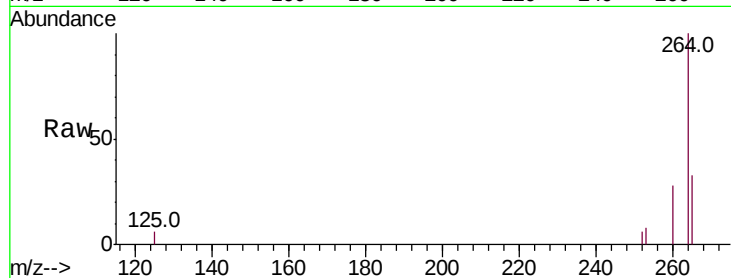
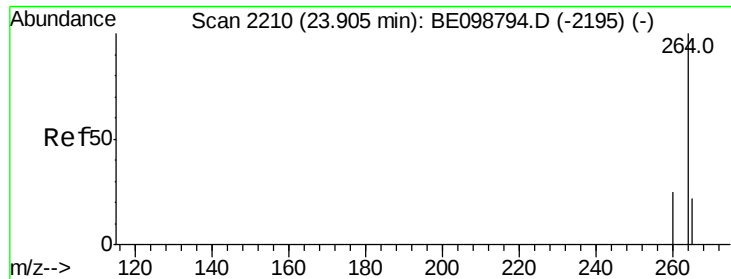


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE098927.D
 Acq: 14 Mar 2019 1:52

Instrument :
 BNA_E
 ClientSampleId :
 FB01-20190311

Tot Ion:264	Resp:	4000
Ion Ratio	Lower	Upper
264	100	
260	27.9	21.2 31.8
265	33.4	24.6 36.8

