

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030719\
 Data File : BE098815.D
 Acq On : 7 Mar 2019 11:57
 Operator : JU/SJ
 Sample : PB117620BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 07 12:51:09 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

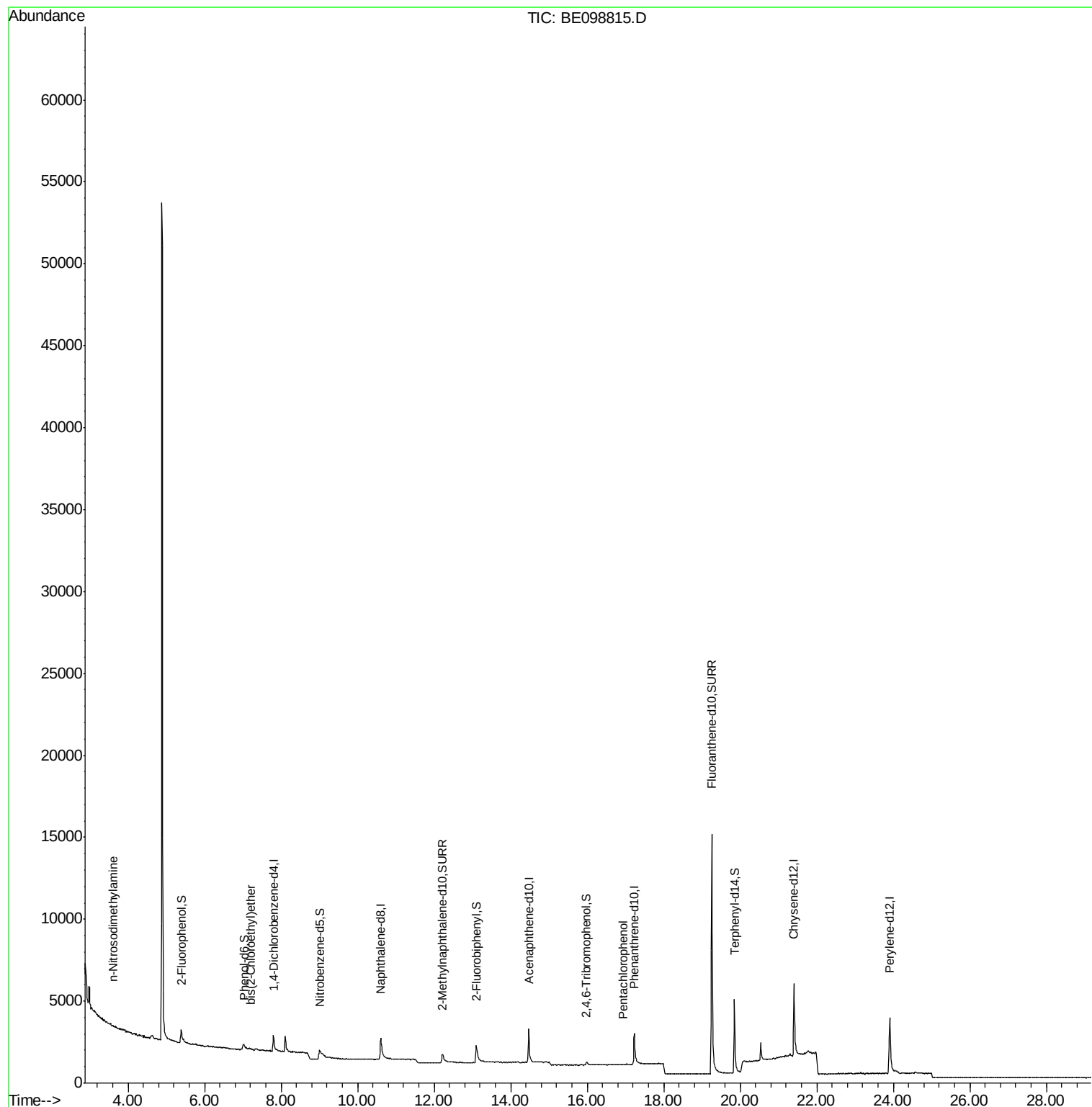
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	699	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	2831	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	1937	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	5246	0.40	ng	0.01
27) Chrysene-d12	21.40	240	7024	0.40	ng	0.00
34) Perylene-d12	23.91	264	6822	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	746	0.36	ng	0.00
5) Phenol-d6	7.02	99	923	0.31	ng	0.04
8) Nitrobenzene-d5	9.02	82	800	0.27	ng	0.05
11) 2-Methylnaphthalene-d10	12.21	152	1695	0.32	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	210	0.21	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	2458	0.31	ng	0.01
25) Fluoranthene-d10	19.25	212	28229	0.34	ng	0.00
29) Terphenyl-d14	19.85	244	5683	0.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.30	88	28	Below Cal	#	11
3) n-Nitrosodimethylamine	3.61	42	66	0.038 ng	#	14
6) bis(2-Chloroethyl)ether	7.19	93	81	0.036 ng	#	1
22) Pentachlorophenol	16.95	266	10	0.273 ng		88

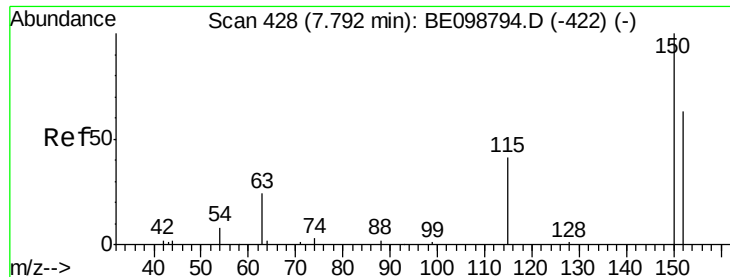
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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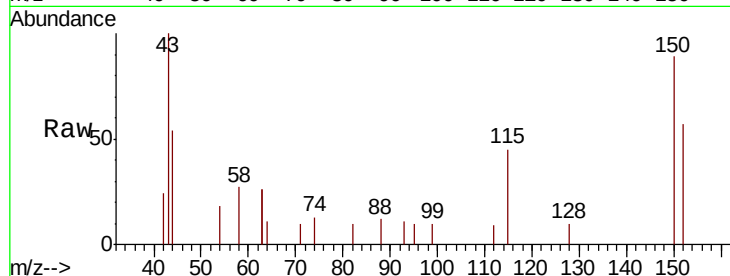


#1

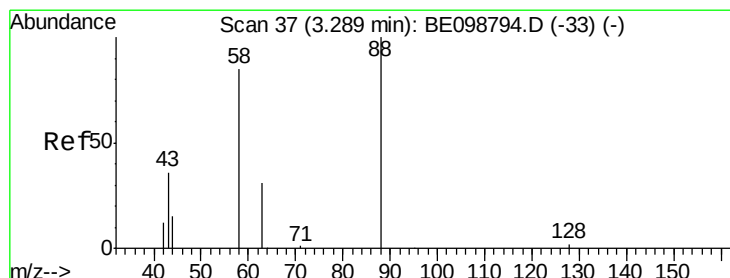
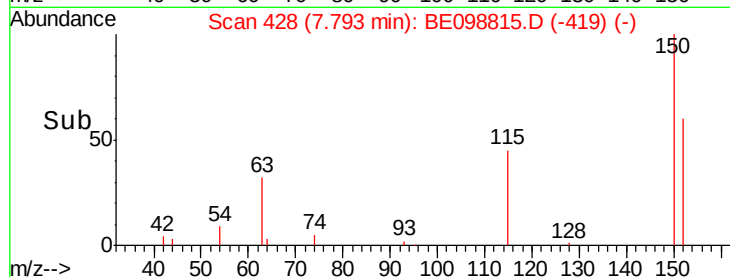
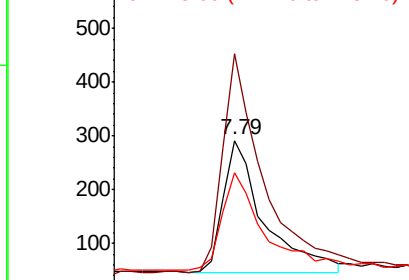
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098815.D
Acq: 7 Mar 2019 11:57

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 699
Ion Ratio Lower Upper
152 100
150 155.7 122.5 183.7
115 79.7 57.4 86.2



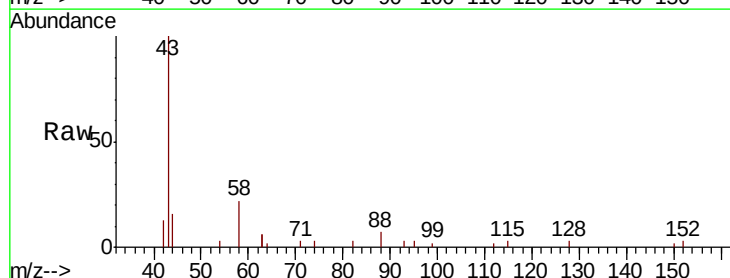
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



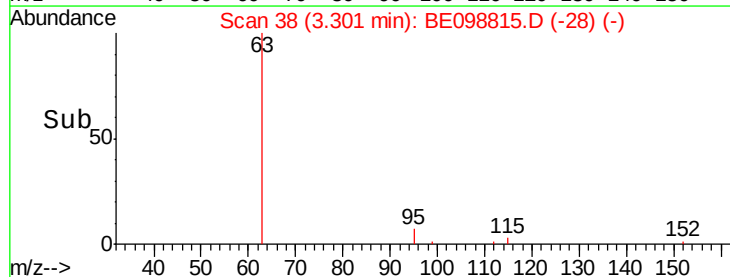
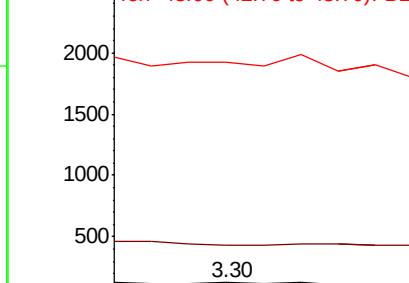
#2

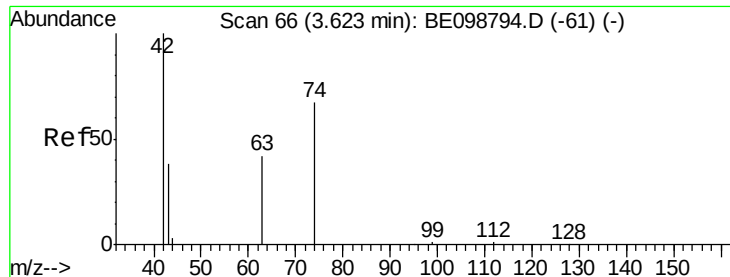
1,4-Dioxane
Concen: Below Cal
RT: 3.30 min Scan# 38
Delta R.T. 0.01 min
Lab File: BE098815.D
Acq: 7 Mar 2019 11:57

Tgt Ion: 88 Resp: 28
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



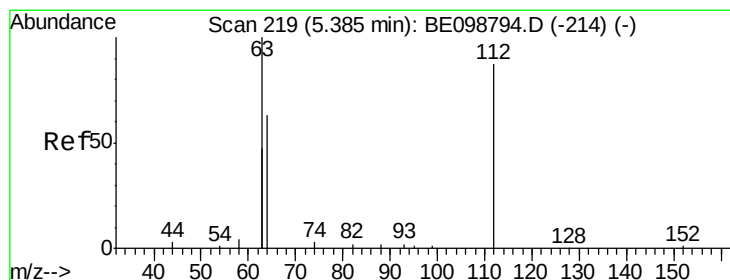
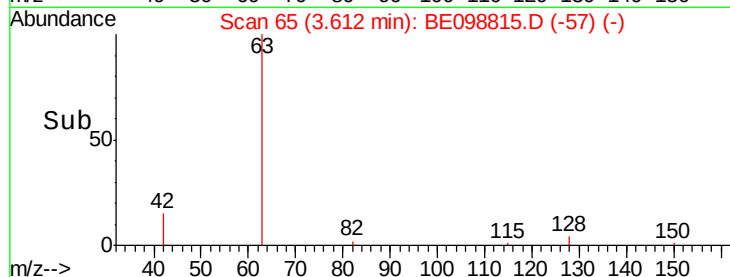
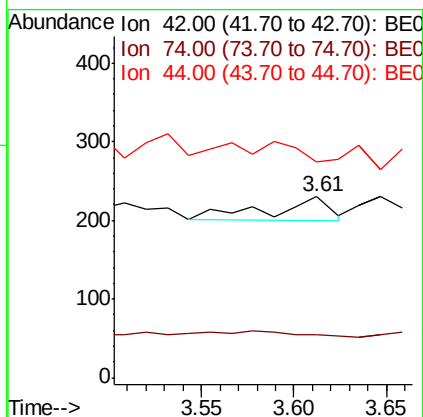
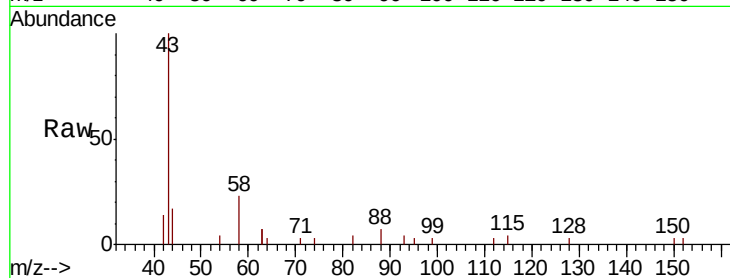


#3

n-Nitrosodimethylamine
 Concen: 0.038 ng
 RT: 3.61 min Scan# 65
 Delta R.T. -0.01 min
 Lab File: BE098815.D
 Acq: 7 Mar 2019 11:57

Instrument :
 BNA_E
 ClientSampleId :

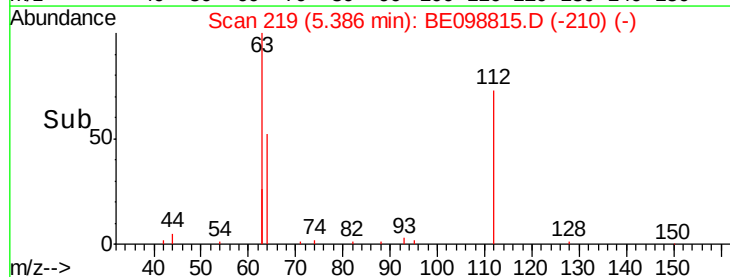
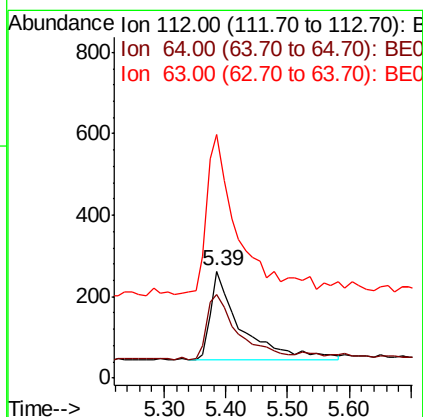
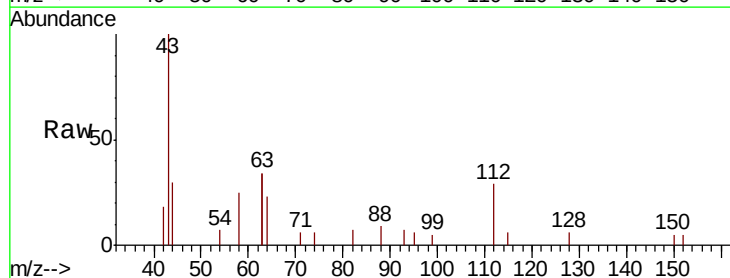
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	57.0	85.4#
44	0.0	0.0	0.0

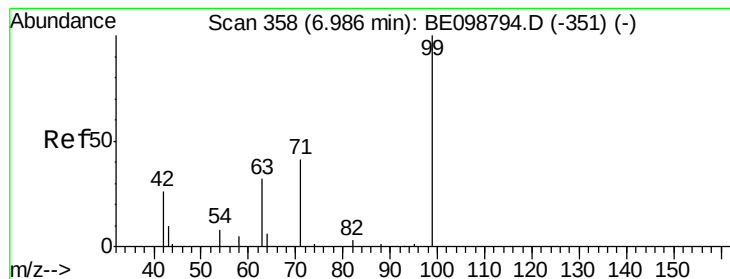


#4

2-Fluorophenol
 Concen: 0.357 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE098815.D
 Acq: 7 Mar 2019 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.8	57.9	86.9
63	177.5	158.3	237.5





#5

Phenol-d6

Concen: 0.313 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.04 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

Instrument :

BNA_E

ClientSampled :

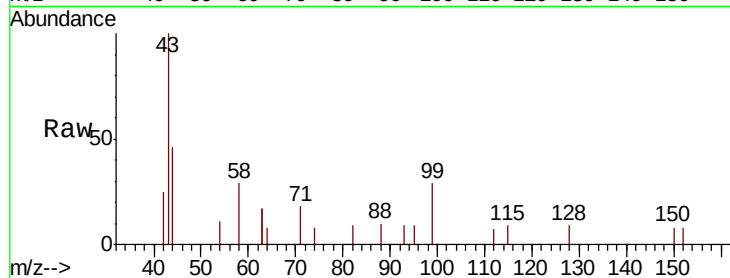
Tot Ion: 99 Resp: 923

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

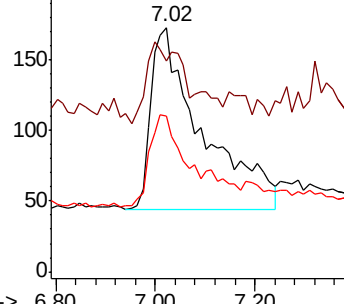
71 42.9 35.7 53.5



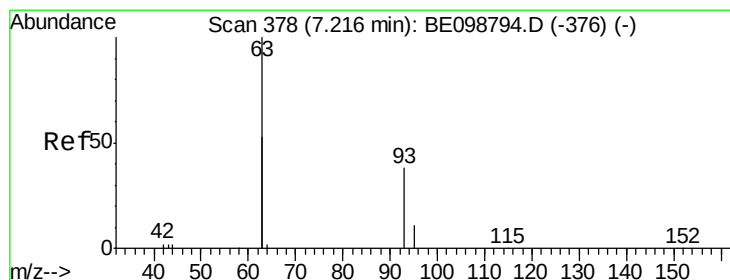
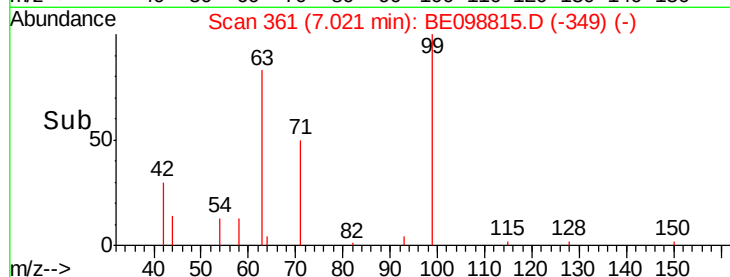
Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.036 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.02 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

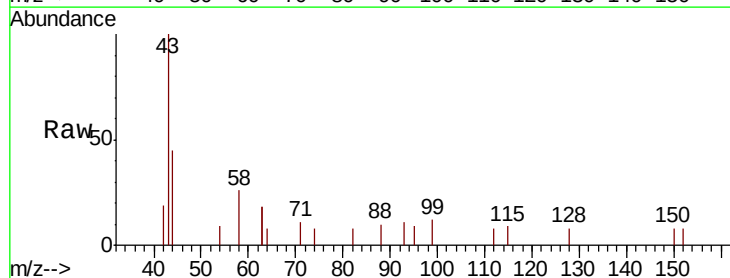
Tgt Ion: 93 Resp: 81

Ion Ratio Lower Upper

93 100

63 37.0 247.5 371.3#

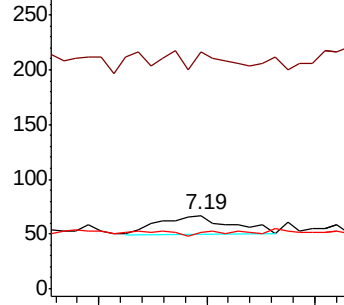
95 9.9 21.8 32.8#



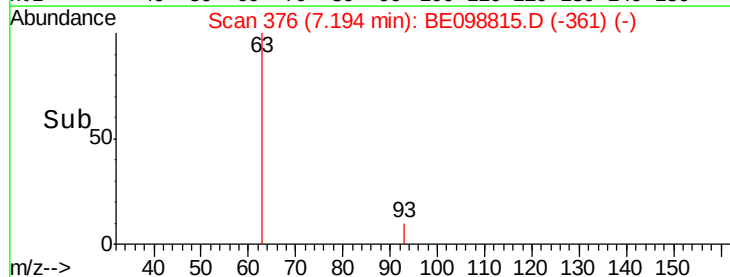
Abundance Ion 93.00 (92.70 to 93.70): BE0

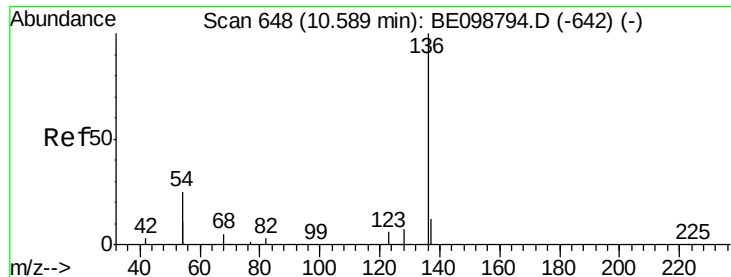
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2831

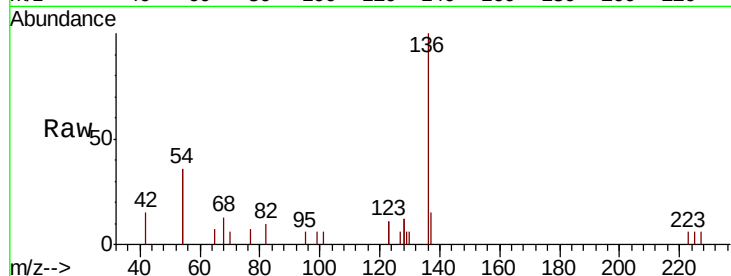
Ion Ratio Lower Upper

136 100

137 15.2 11.4 17.0

54 71.2 39.3 58.9#

68 13.0 6.7 10.1#

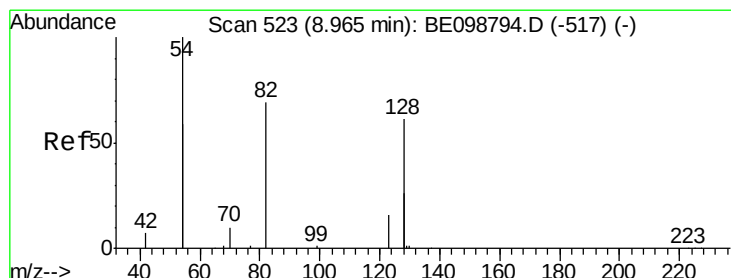
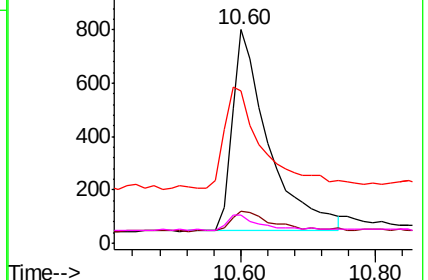
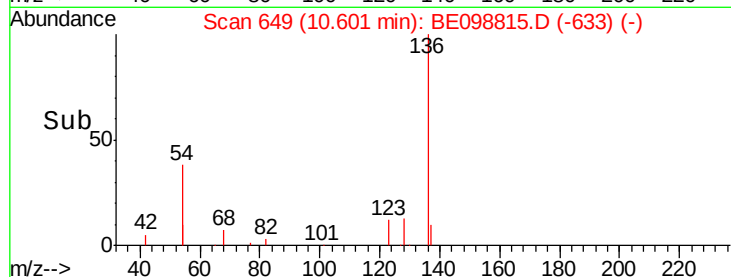


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.269 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.05 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

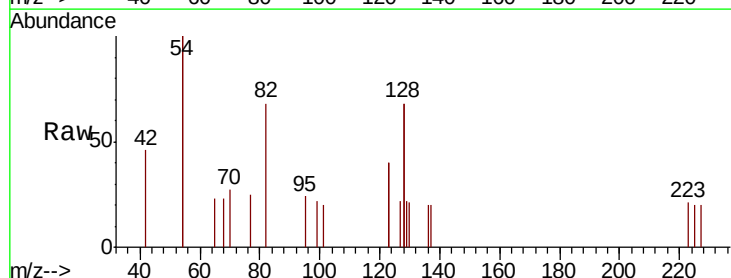
Tgt Ion: 82 Resp: 800

Ion Ratio Lower Upper

82 100

128 200.0 123.8 185.8#

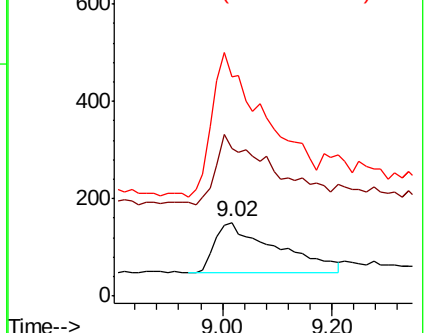
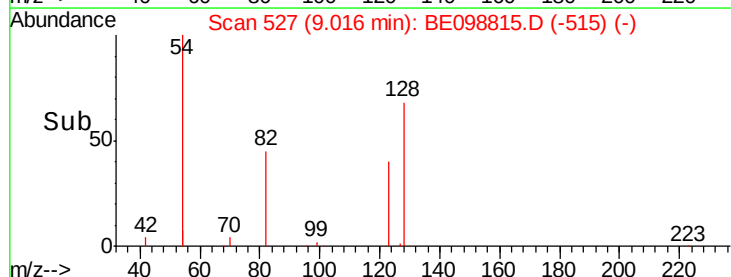
54 296.1 203.4 305.2

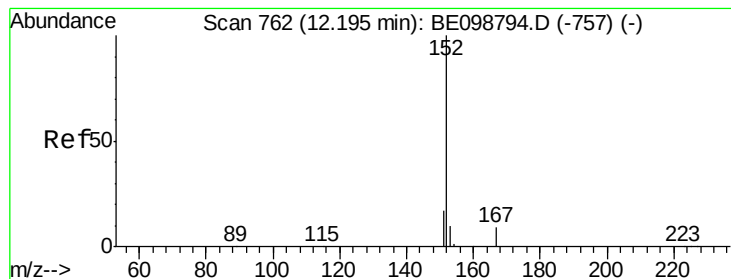


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

Instrument :

BNA_E

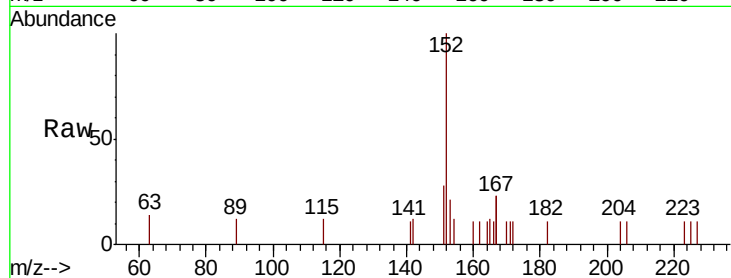
ClientSampleId :

Tot Ion:152 Resp: 1695

Ion Ratio Lower Upper

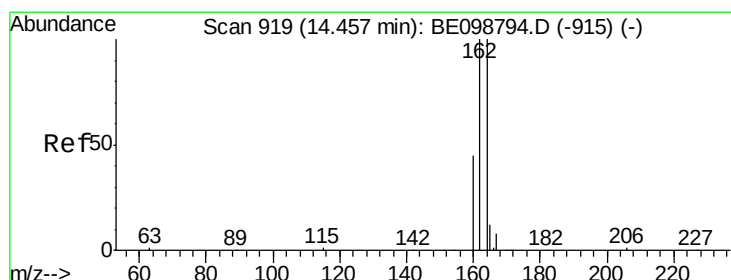
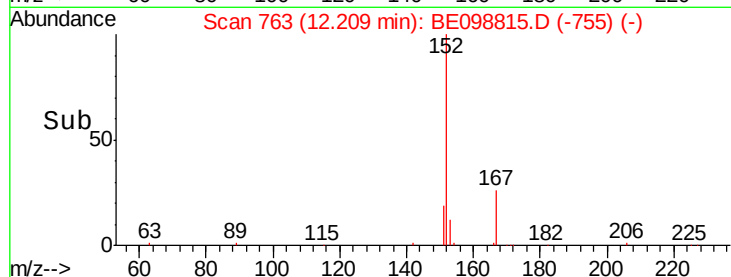
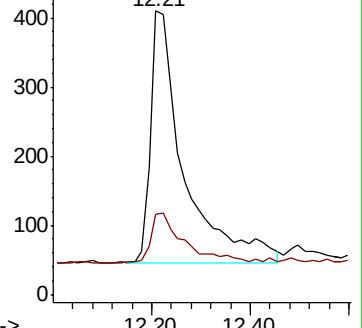
152 100

151 19.2 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: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

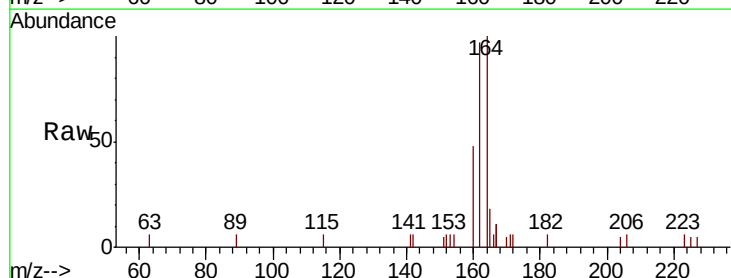
Tgt Ion:164 Resp: 1937

Ion Ratio Lower Upper

164 100

162 97.4 80.2 120.2

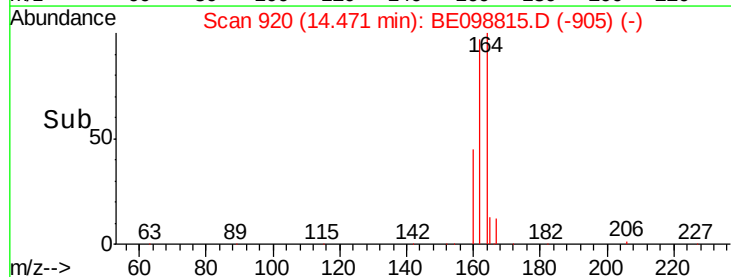
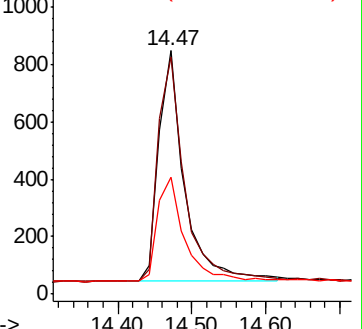
160 48.1 37.8 56.8

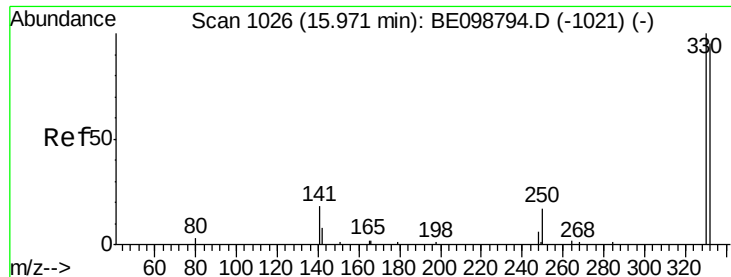


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

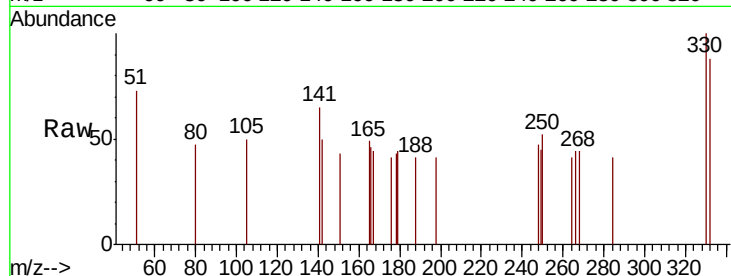




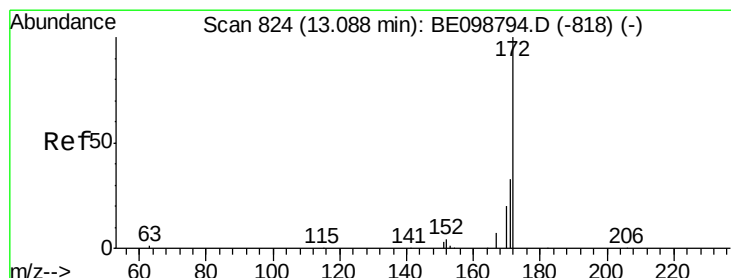
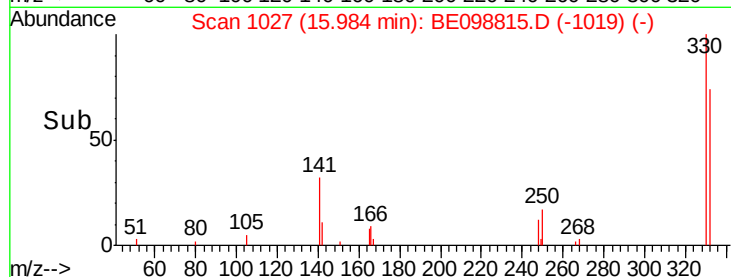
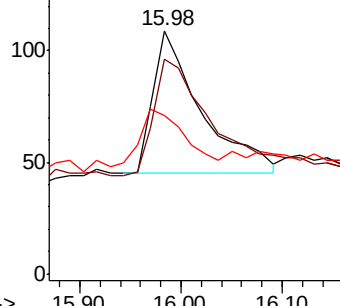
#14
 2,4,6-Tribromophenol
 Concen: 0.215 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.01 min
 Lab File: BE098815.D
 Acq: 7 Mar 2019 11:57

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 210
 Ion Ratio Lower Upper
 330 100
 332 111.9 77.6 116.4
 141 37.6 31.0 46.4

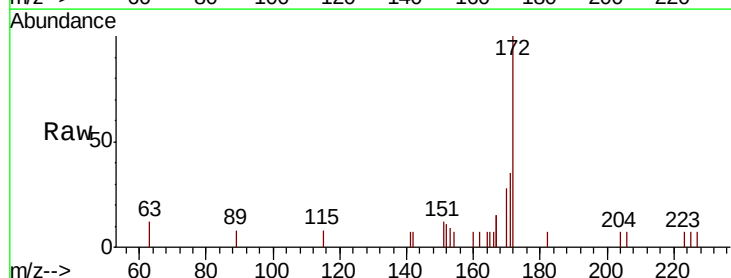


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

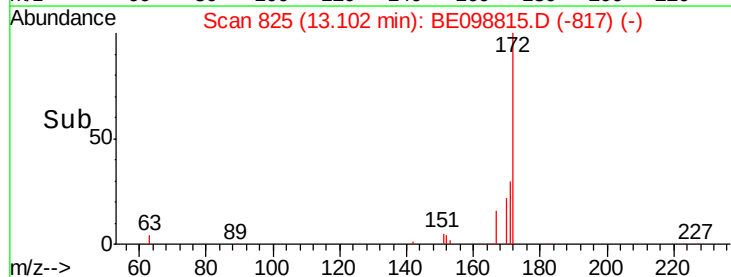
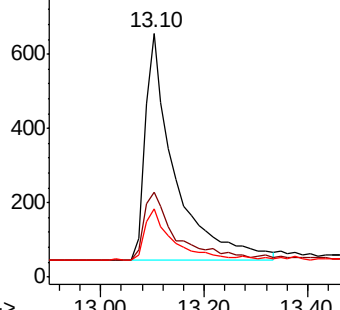


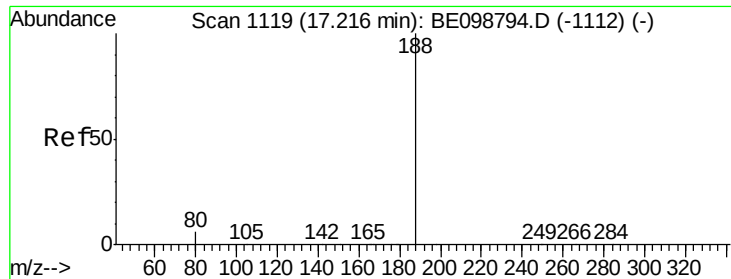
#15
 2-Fluorobiphenyl
 Concen: 0.307 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BE098815.D
 Acq: 7 Mar 2019 11:57

Tgt Ion:172 Resp: 2458
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.0 42.0
 170 27.7 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: 17.23 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

Instrument :

BNA_E

ClientSampleId :

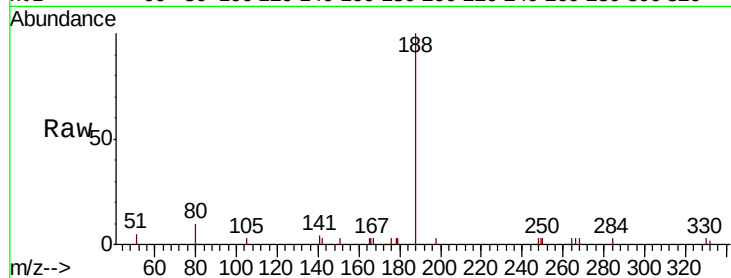
Tot Ion:188 Resp: 5246

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

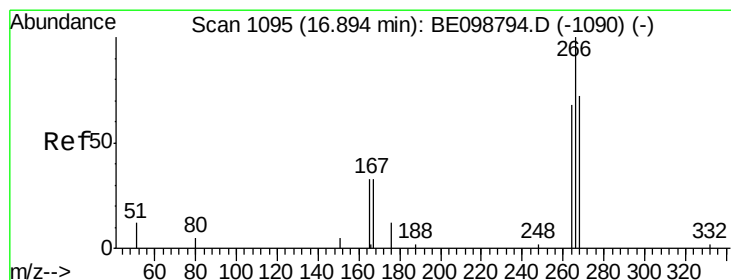
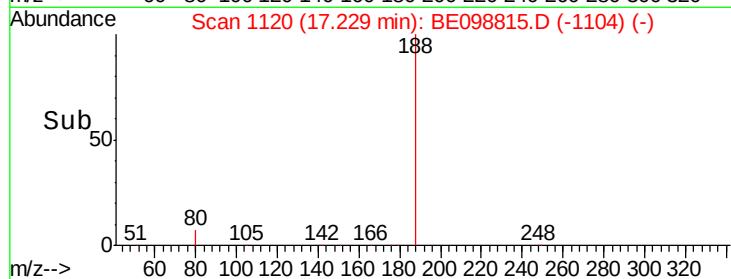
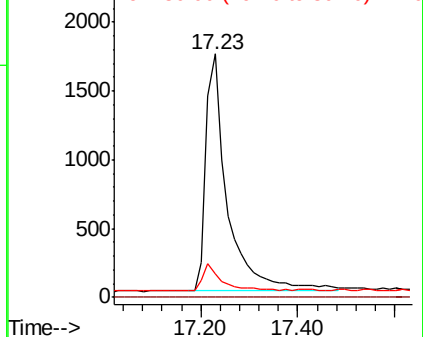
80 9.8 6.3 9.5#



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: 0.273 ng

RT: 16.95 min Scan# 1099

Delta R.T. 0.05 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

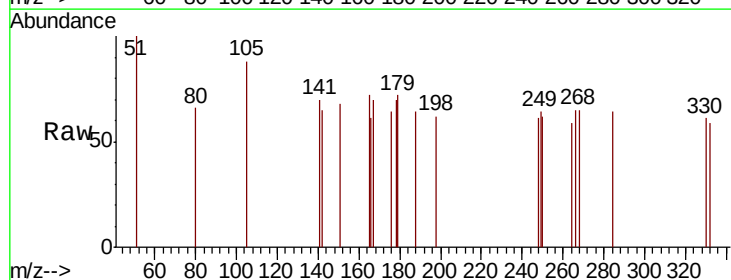
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 91.7 66.6 100.0

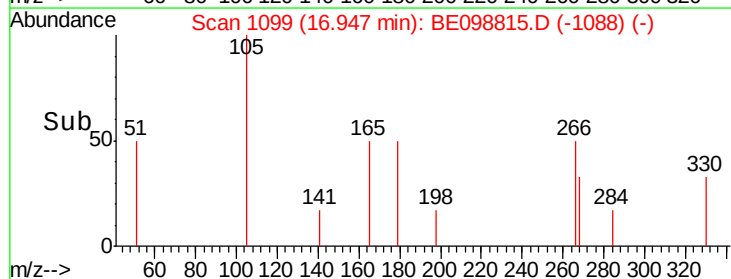
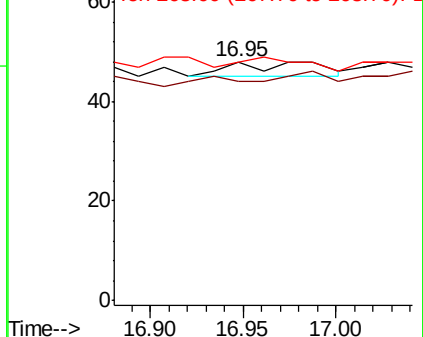
268 100.0 69.8 104.8

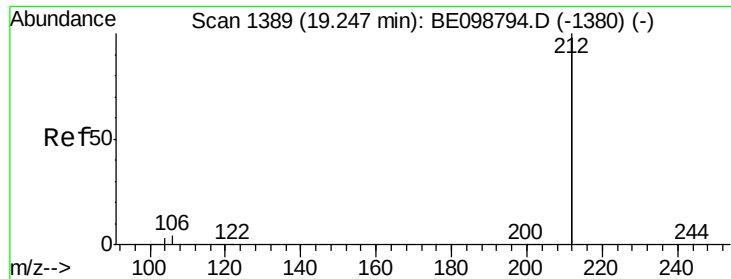


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

Instrument :

BNA_E

ClientSampleId :

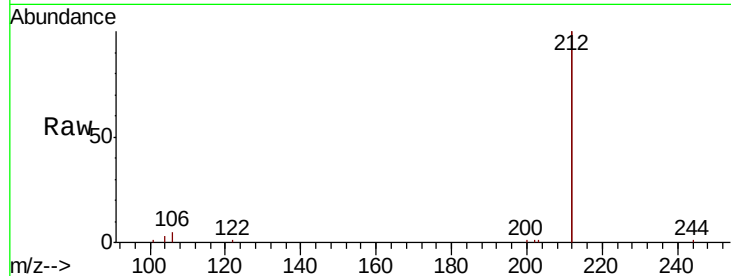
Tot Ion:212 Resp: 28229

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

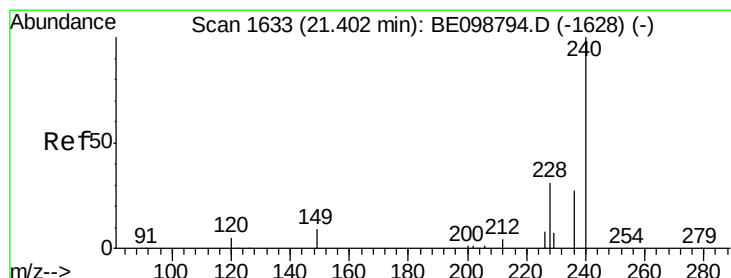
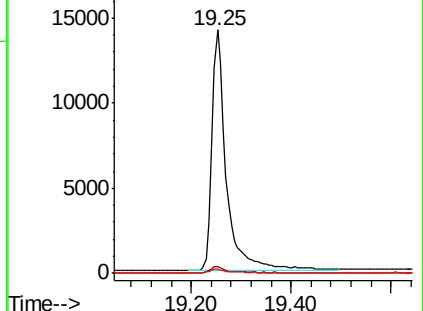
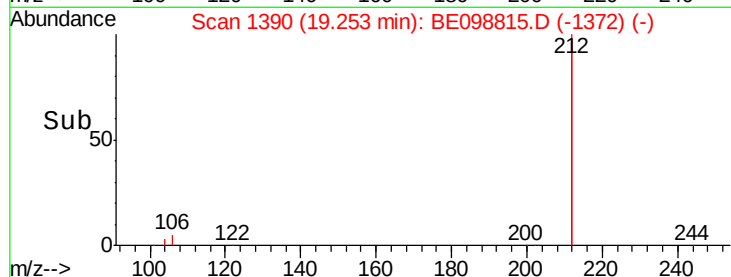
104 1.3 1.0 1.6



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: BE098815.D

Acq: 7 Mar 2019 11:57

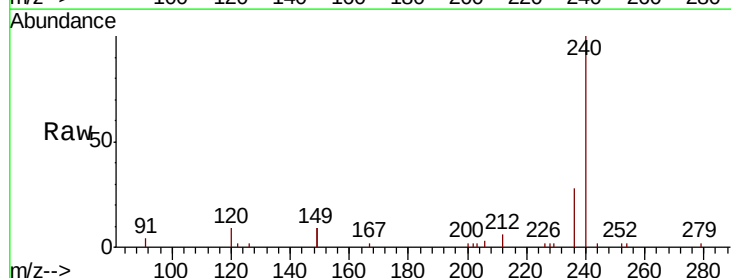
Tgt Ion:240 Resp: 7024

Ion Ratio Lower Upper

240 100

120 9.3 5.0 7.4#

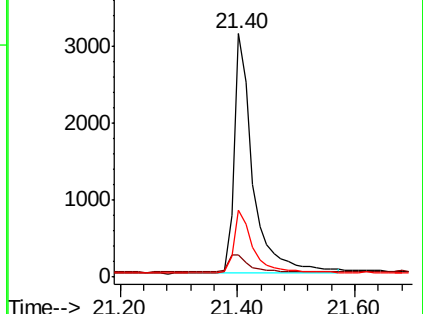
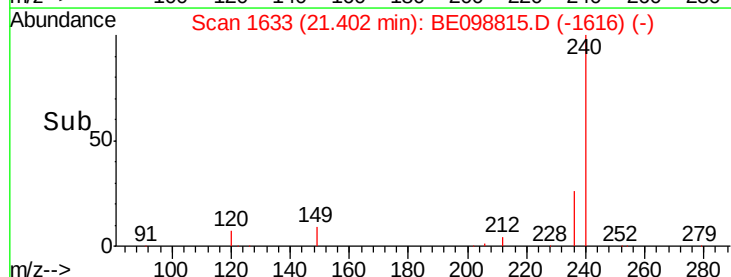
236 27.6 22.7 34.1

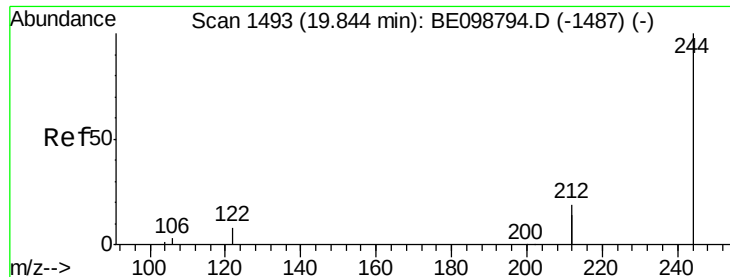


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.333 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

Instrument :

BNA_E

ClientSampleId :

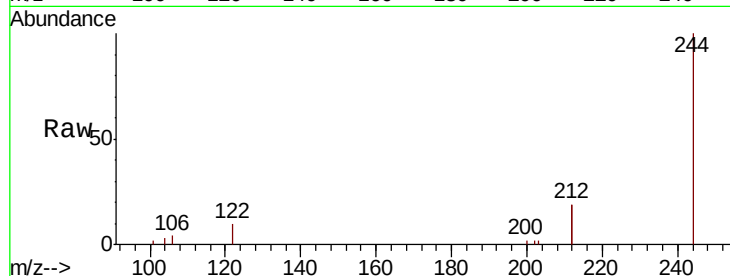
Tot Ion:244 Resp: 5683

Ion Ratio Lower Upper

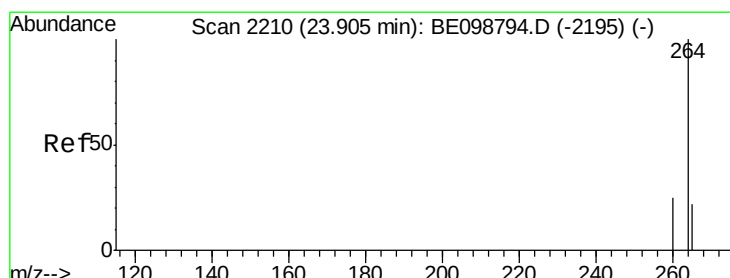
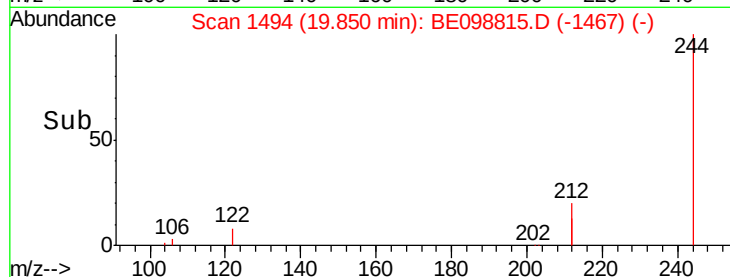
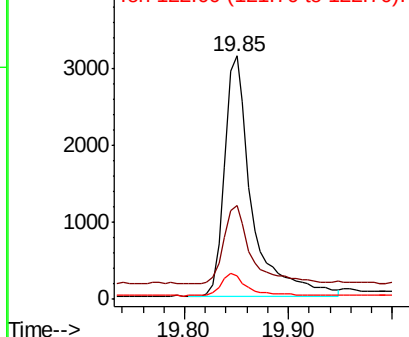
244 100

212 38.8 29.4 44.2

122 9.6 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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BE098815.D

Acq: 7 Mar 2019 11:57

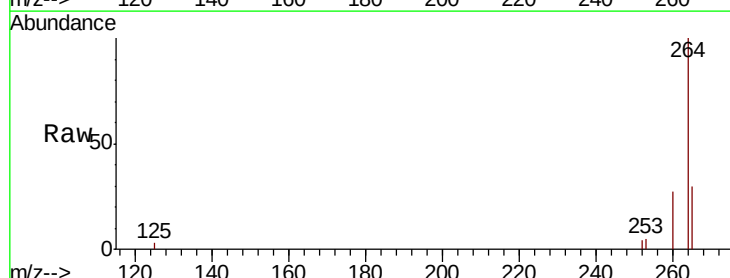
Tgt Ion:264 Resp: 6822

Ion Ratio Lower Upper

264 100

260 26.8 21.2 31.8

265 30.3 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

