

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
 Data File : BE098652.D
 Acq On : 17 Jan 2019 18:27
 Operator : SJ/JU
 Sample : PB116461BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116461BL

Quant Time: Jan 18 01:56:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 15 14:30:55 2019
 Response via : Initial Calibration

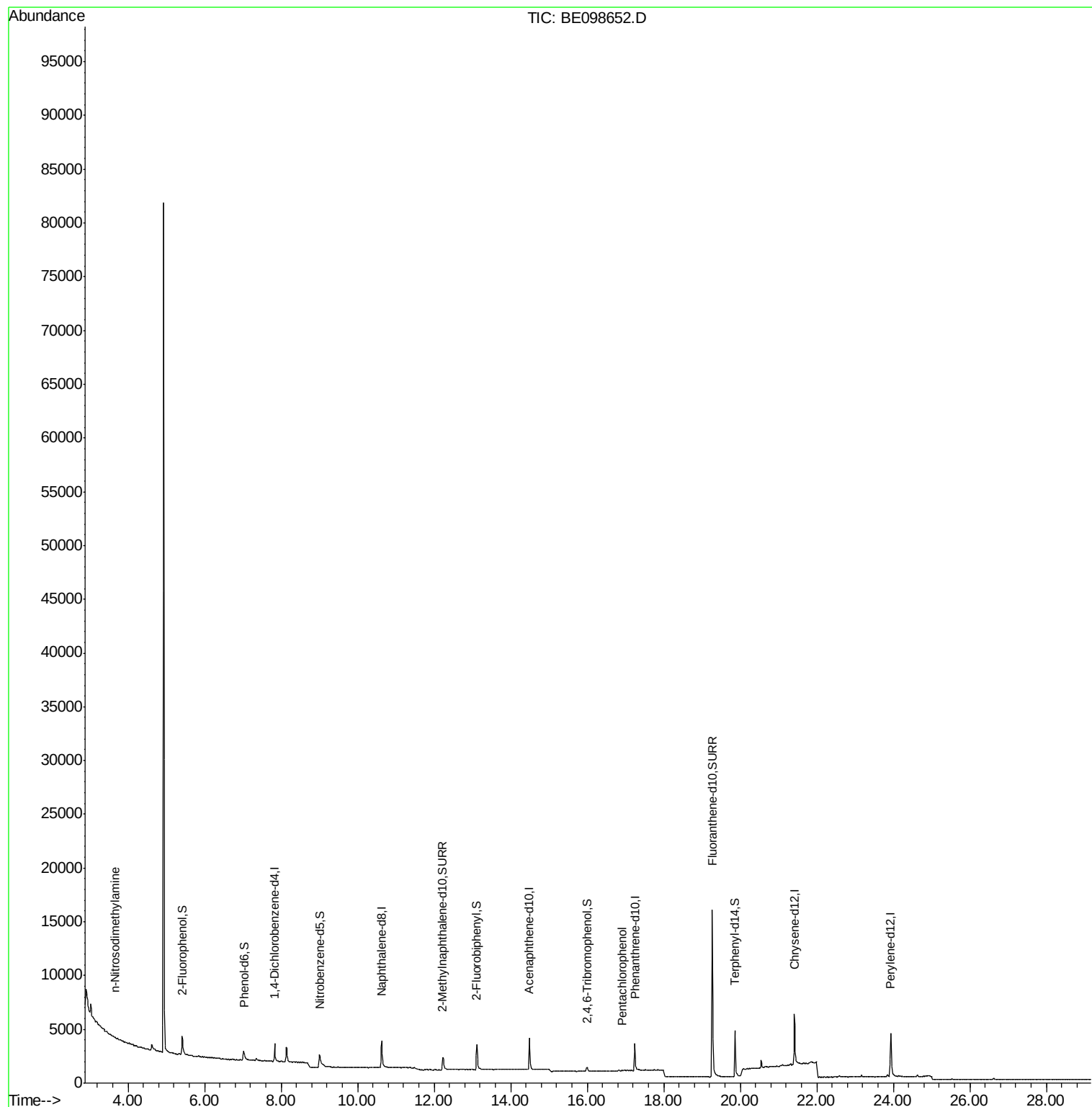
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	967	0.40	ng	0.02
7) Naphthalene-d8	10.63	136	3722	0.40	ng	0.02
13) Acenaphthene-d10	14.48	164	2190	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	4860	0.40	ng	0.01
27) Chrysene-d12	21.42	240	6565	0.40	ng	0.00
34) Perylene-d12	23.93	264	6784	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	1180	0.46	ng	0.02
5) Phenol-d6	7.02	99	1433	0.39	ng	0.02
8) Nitrobenzene-d5	9.00	82	1125	0.38	ng	0.04
11) 2-Methylnaphthalene-d10	12.22	152	2395	0.39	ng	0.01
14) 2,4,6-Tribromophenol	16.00	330	335	0.35	ng	0.03
15) 2-Fluorobiphenyl	13.12	172	3071	0.34	ng	0.03
25) Fluoranthene-d10	19.27	212	26780	0.44	ng	0.00
29) Terphenyl-d14	19.86	244	4722	0.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.36	88	27	Below Cal	#	26
3) n-Nitrosodimethylamine	3.67	42	36	0.145 ng	#	13
22) Pentachlorophenol	16.92	266	57	0.248 ng	#	77

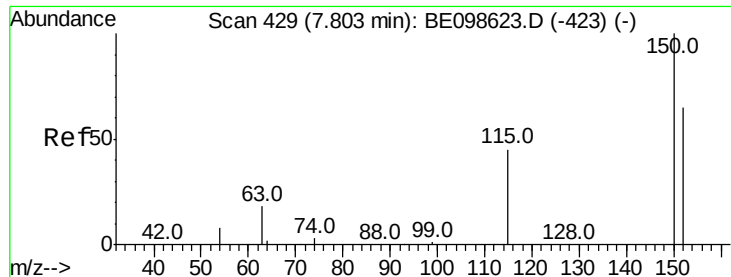
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. 0.02 min

Lab File: BE098652.D

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BNA_E

ClientSampleId :

PB116461BL

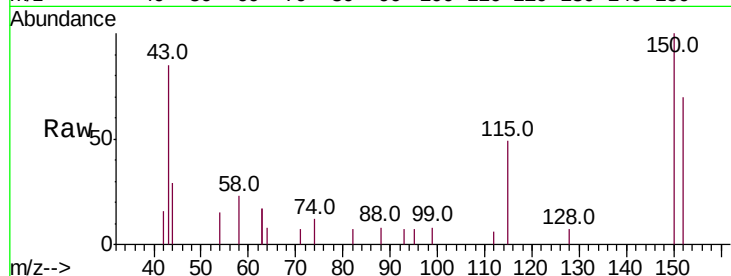
Tot Ion:152 Resp: 967

Ion Ratio Lower Upper

152 100

150 142.2 121.4 182.2

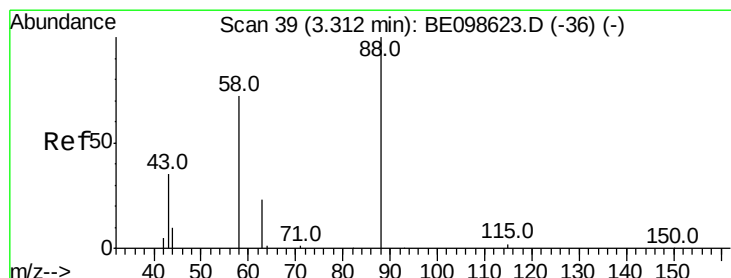
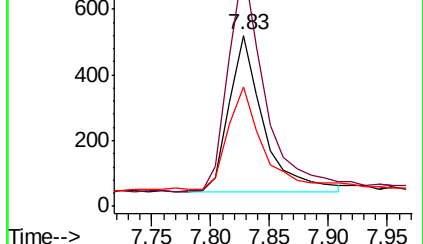
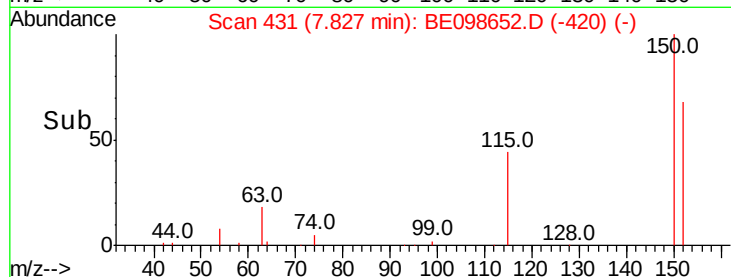
115 69.9 59.1 88.7



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: 3.36 min Scan# 43

Delta R.T. 0.05 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

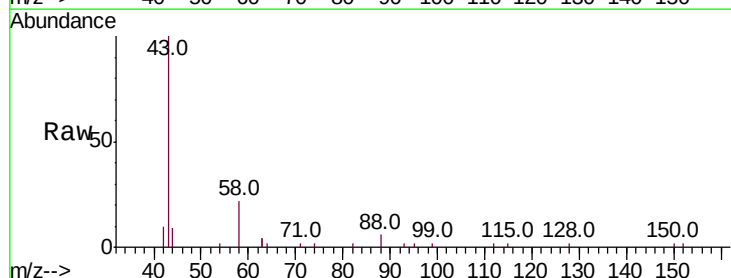
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

58 22.2 73.9 110.9#

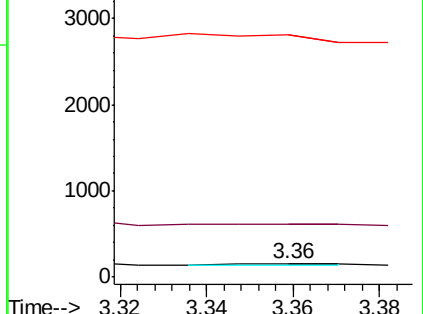
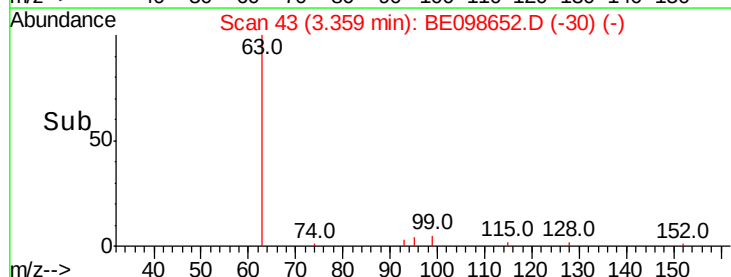
43 0.0 43.7 65.5#

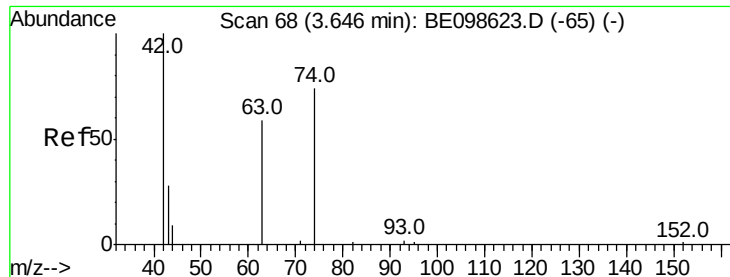


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.145 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.02 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

Instrument :

BNA_E

ClientSampleId :

PB116461BL

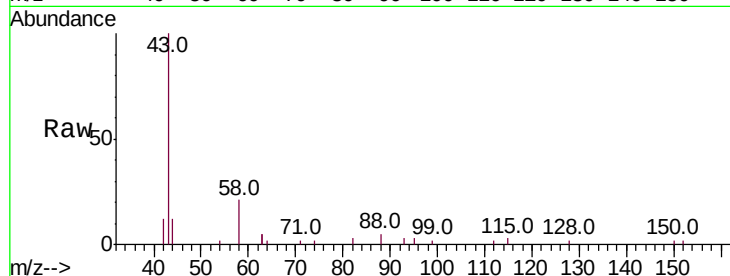
Tot Ion: 42 Resp: 36

Ion Ratio Lower Upper

42 100

74 0.0 58.9 88.3#

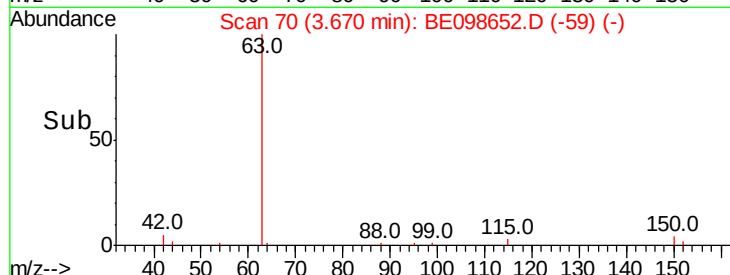
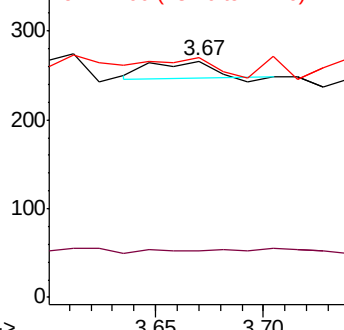
44 0.0 0.0 0.0



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: 0.457 ng

RT: 5.42 min Scan# 222

Delta R.T. 0.02 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

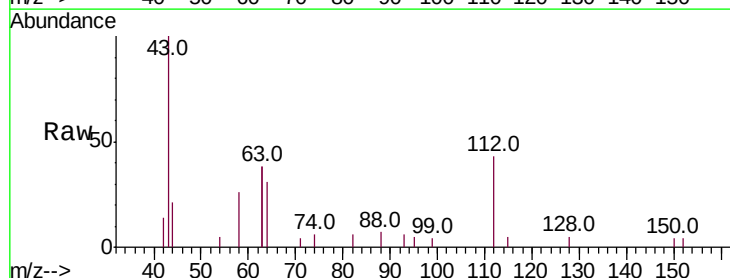
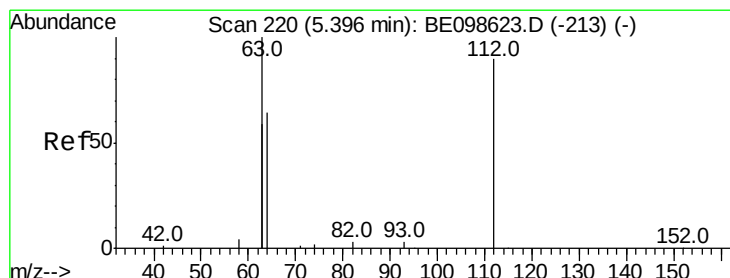
Tgt Ion: 112 Resp: 1180

Ion Ratio Lower Upper

112 100

64 75.3 62.9 94.3

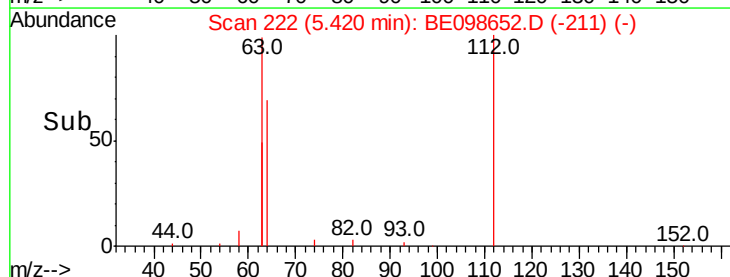
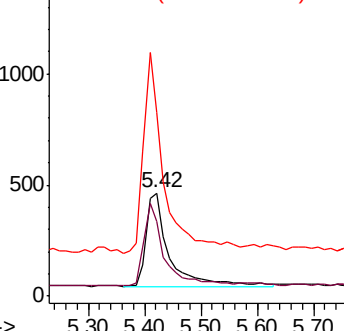
63 191.8 152.2 228.4

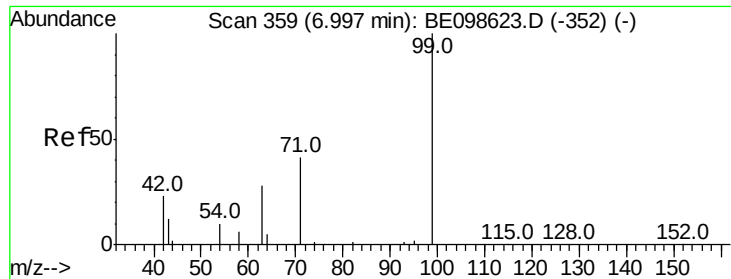


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.390 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.02 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

Instrument :

BNA_E

ClientSampleId :

PB116461BL

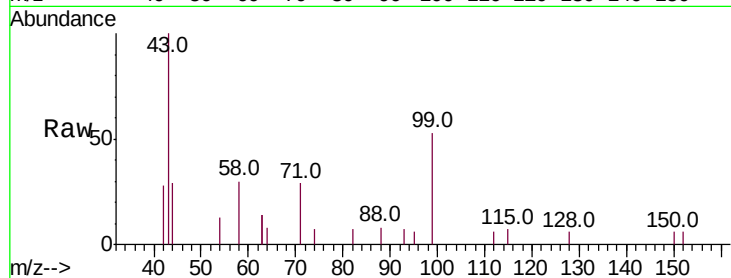
Tot Ion: 99 Resp: 1433

Ion Ratio Lower Upper

99 100

42 33.5 24.6 37.0

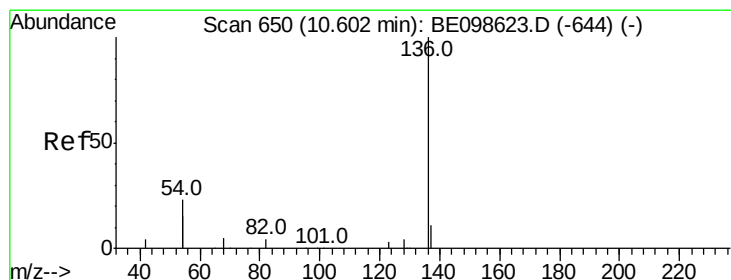
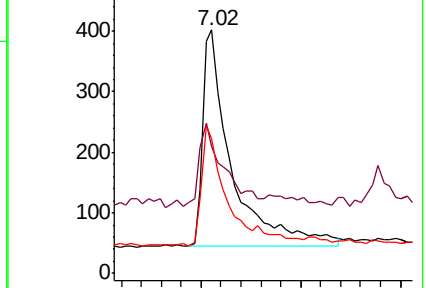
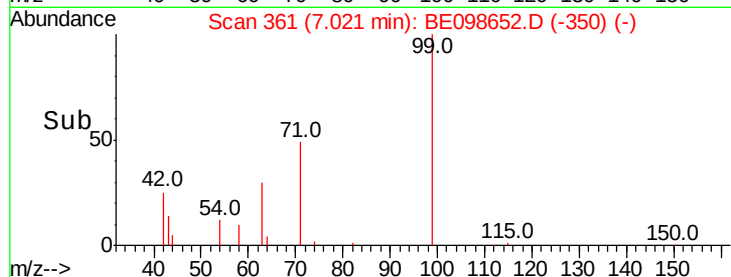
71 48.9 35.1 52.7



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.02 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

Tgt Ion:136 Resp: 3722

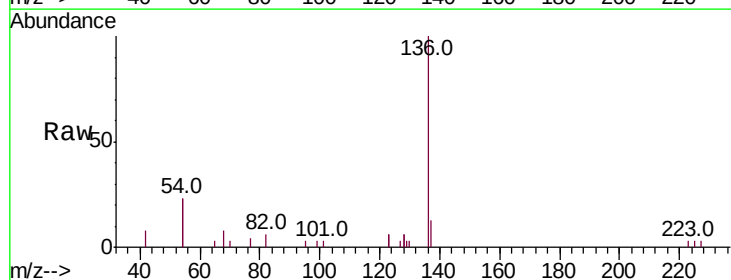
Ion Ratio Lower Upper

136 100

137 13.1 9.7 14.5

54 46.2 35.5 53.3

68 7.9 5.0 7.6#

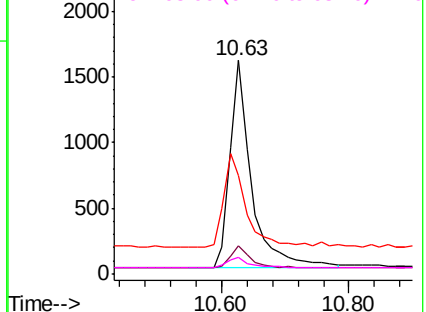
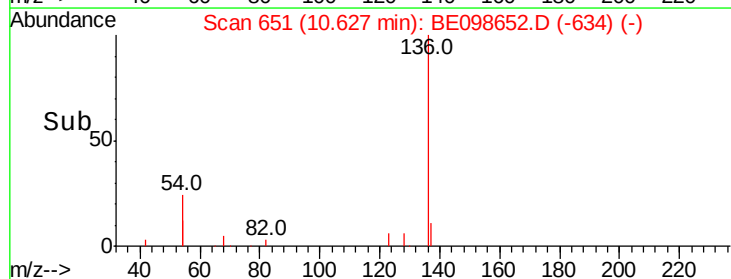


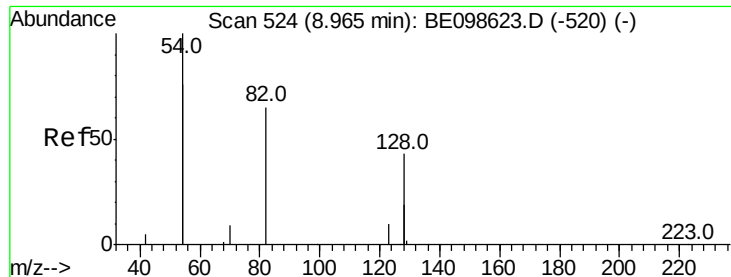
Abundance Ion 136.00 (135.70 to 136.70): E

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

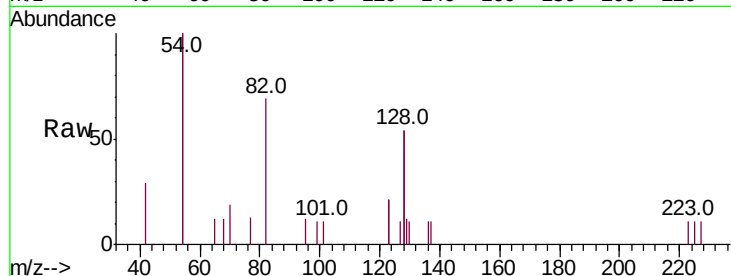




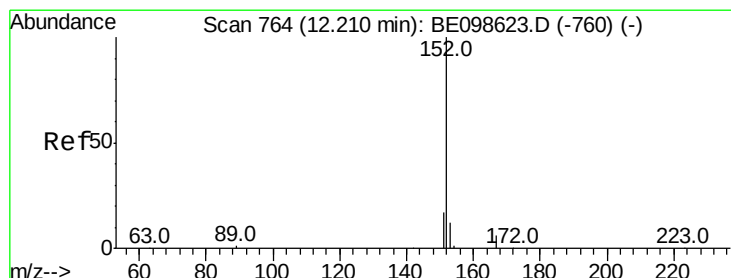
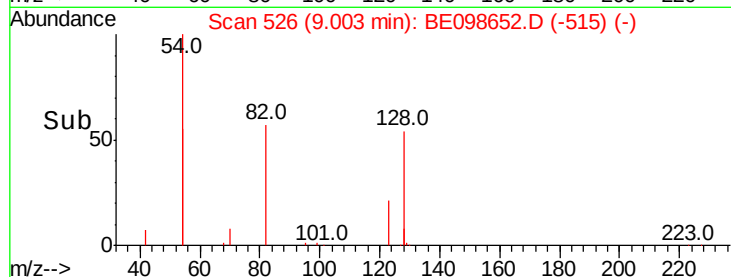
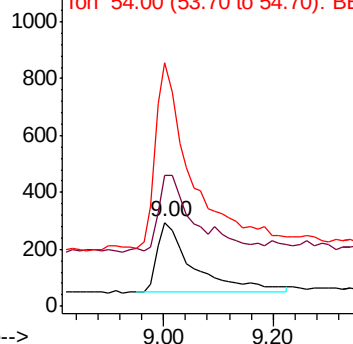
#8
Nitrobenzene-d5
Concen: 0.381 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.04 min
Lab File: BE098652.D
Acq: 17 Jan 2019 18:27

Instrument :
BNA_E
ClientSampleId :
PB116461BL

Tot Ion: 82 Resp: 1125
Ion Ratio Lower Upper
82 100
128 157.1 96.5 144.7#
54 291.2 224.7 337.1

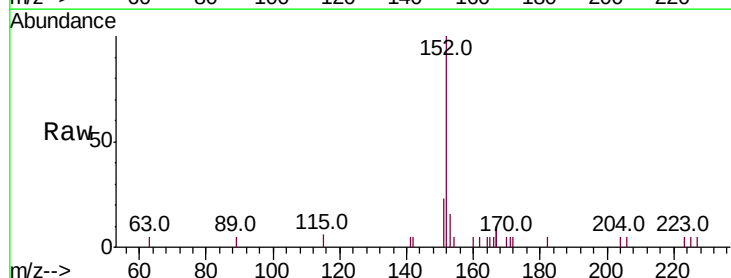


Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0

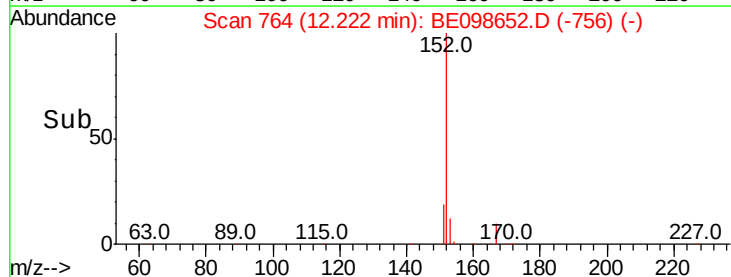
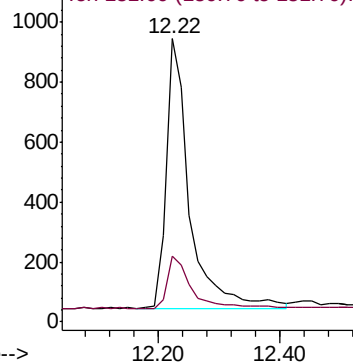


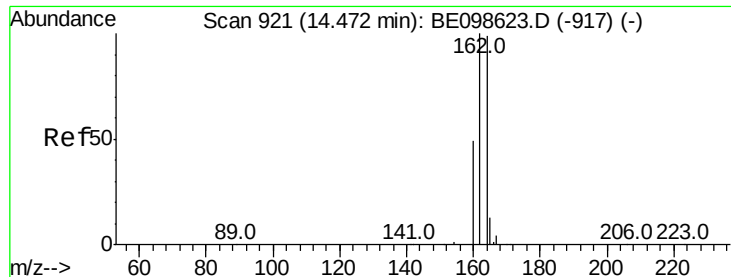
#11
2-Methylnaphthalene-d10
Concen: 0.391 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.01 min
Lab File: BE098652.D
Acq: 17 Jan 2019 18:27

Tgt Ion: 152 Resp: 2395
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4



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

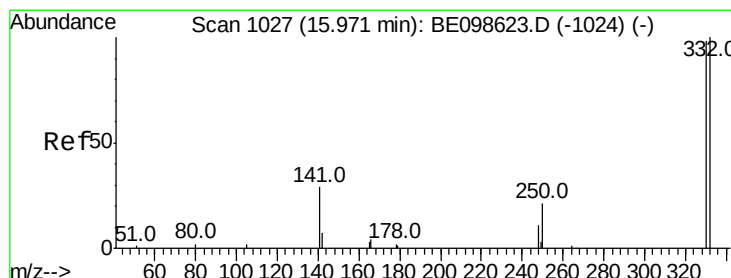
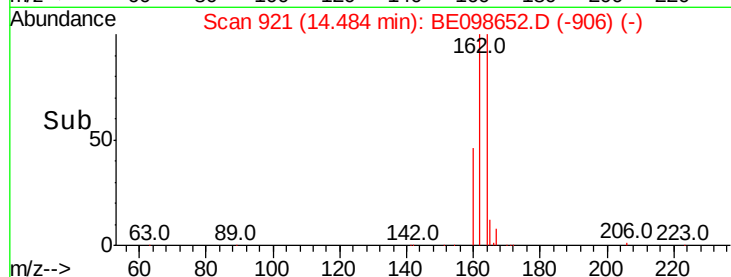
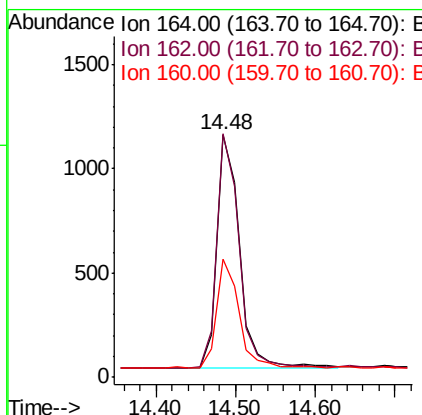
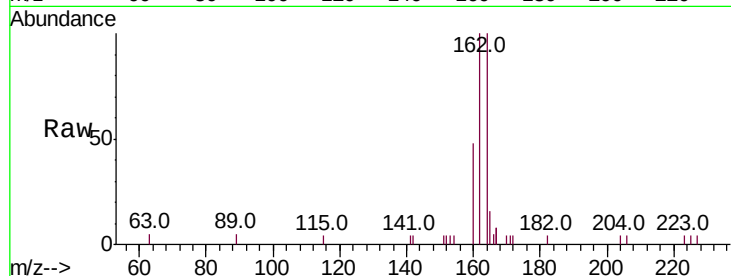




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.48 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: BE098652.D
 Acq: 17 Jan 2019 18:27

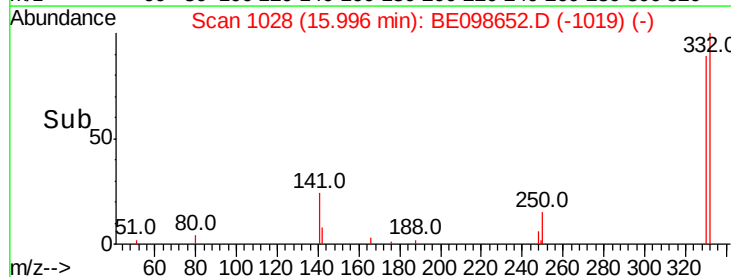
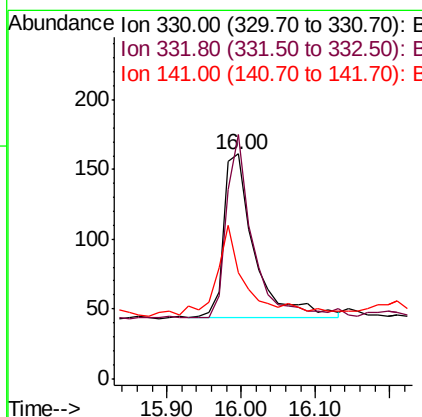
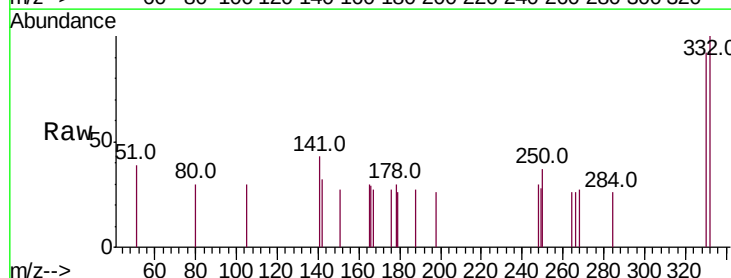
Instrument :
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 ClientSampleId :
 PB116461BL

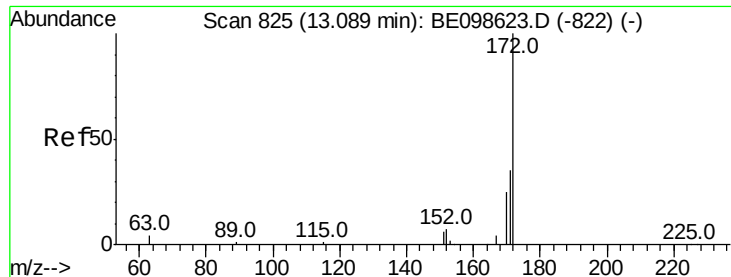
Tot Ion:164 Resp: 2190
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.5 120.7
 160 48.5 40.1 60.1



#14
 2,4,6-Tribromophenol
 Concen: 0.352 ng
 RT: 16.00 min Scan# 1028
 Delta R.T. 0.03 min
 Lab File: BE098652.D
 Acq: 17 Jan 2019 18:27

Tgt Ion:330 Resp: 335
 Ion Ratio Lower Upper
 330 100
 332 95.8 73.3 109.9
 141 50.4 33.1 49.7#

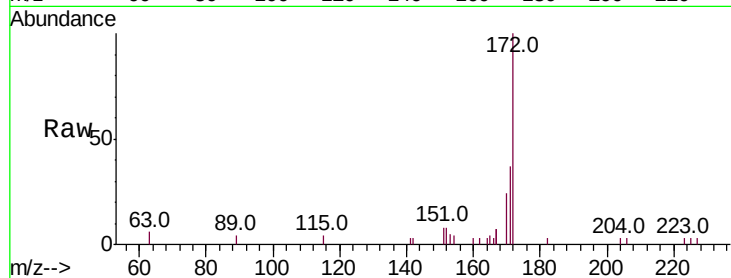




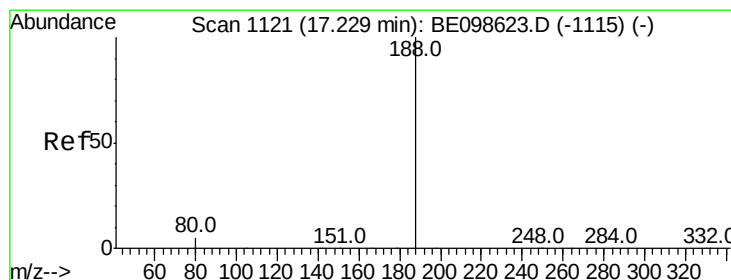
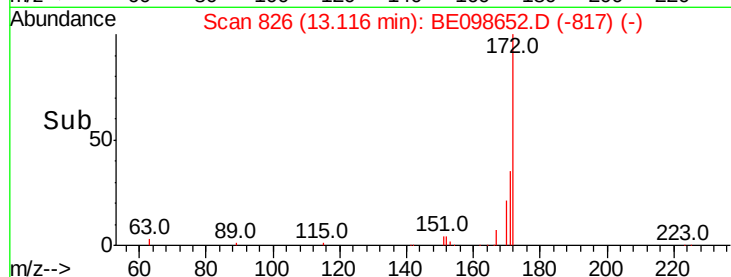
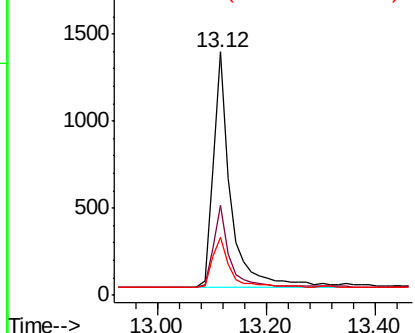
#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.03 min
Lab File: BE098652.D
Acq: 17 Jan 2019 18:27

Instrument :
BNA_E
ClientSampleId :
PB116461BL

Tot Ion:172 Resp: 3071
Ion Ratio Lower Upper
172 100
171 36.8 29.0 43.4
170 23.7 20.8 31.2

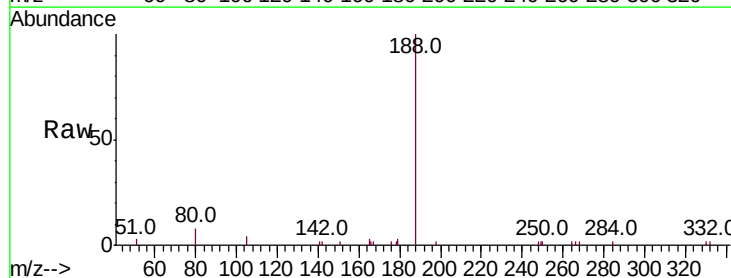


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

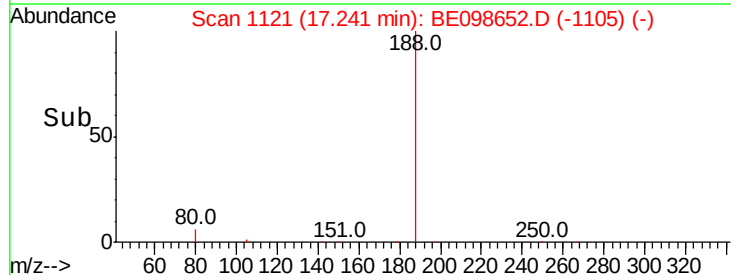
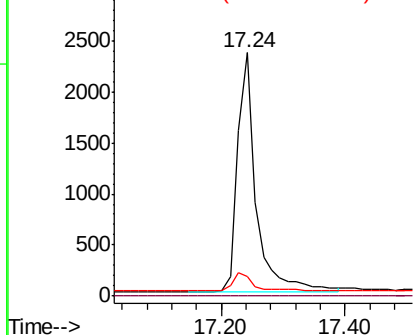


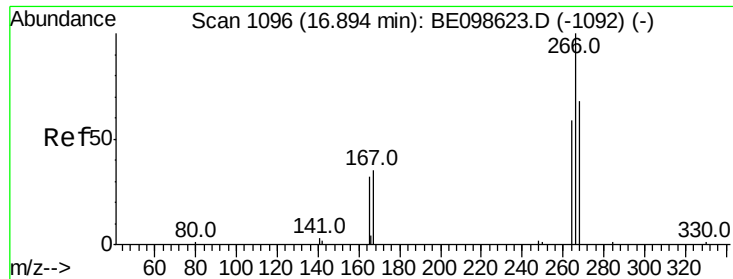
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE098652.D
Acq: 17 Jan 2019 18:27

Tgt Ion:188 Resp: 4860
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 4.7 7.1#



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

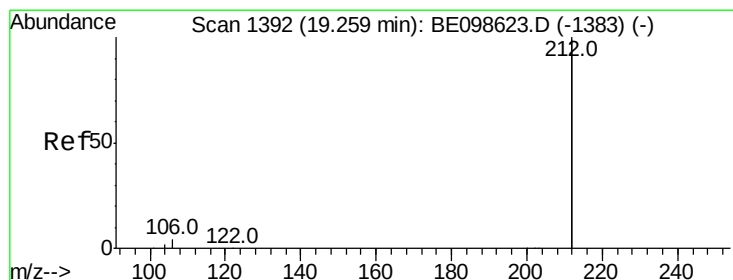
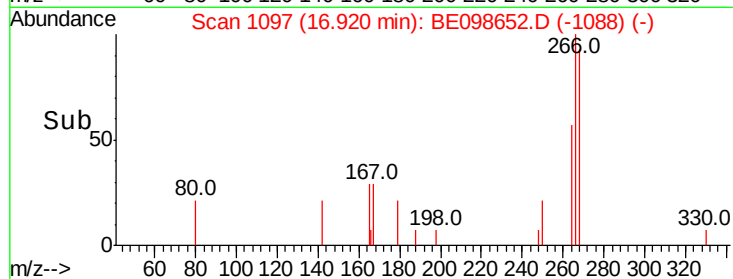
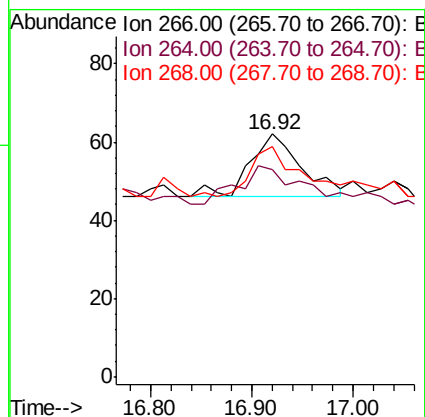
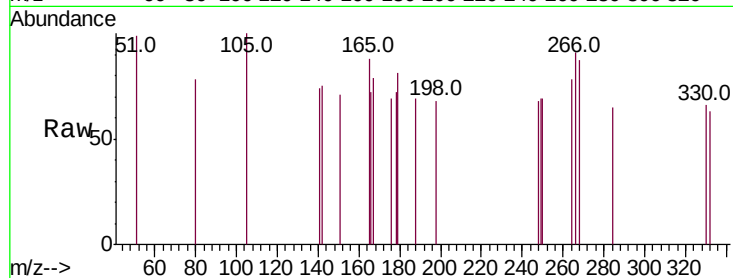




#22
 Pentachlorophenol
 Concen: 0.248 ng
 RT: 16.92 min Scan# 1097
 Delta R.T. 0.03 min
 Lab File: BE098652.D
 Acq: 17 Jan 2019 18:27

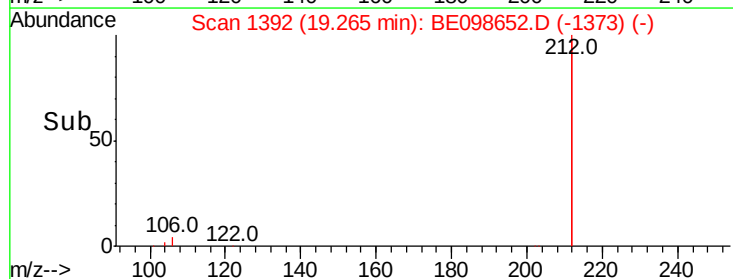
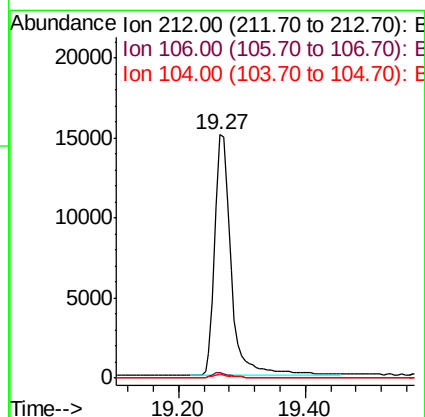
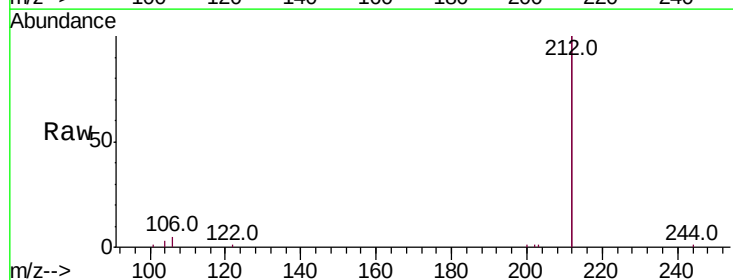
Instrument :
 BNA_E
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 PB116461BL

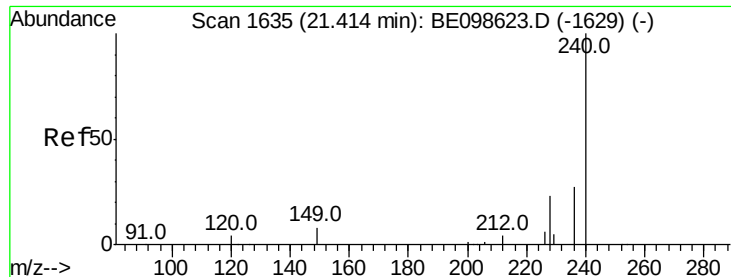
Tot Ion:266 Resp: 57
 Ion Ratio Lower Upper
 266 100
 264 85.5 53.7 80.5#
 268 95.2 59.8 89.8#



#25
 Fluoranthene-d10
 Concen: 0.445 ng
 RT: 19.27 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BE098652.D
 Acq: 17 Jan 2019 18:27

Tgt Ion:212 Resp: 26780
 Ion Ratio Lower Upper
 212 100
 106 1.9 1.7 2.5
 104 1.2 1.0 1.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

Instrument :

BNA_E

ClientSampleId :

PB116461BL

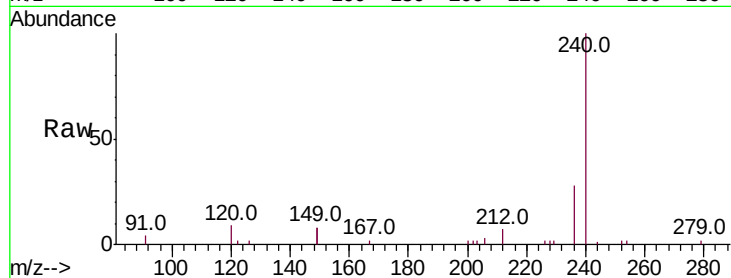
Tot Ion:240 Resp: 6565

Ion Ratio Lower Upper

240 100

120 8.7 4.7 7.1#

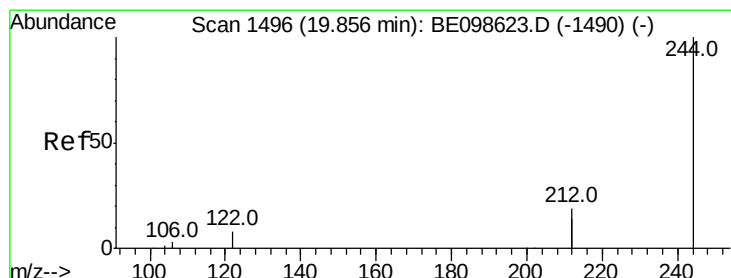
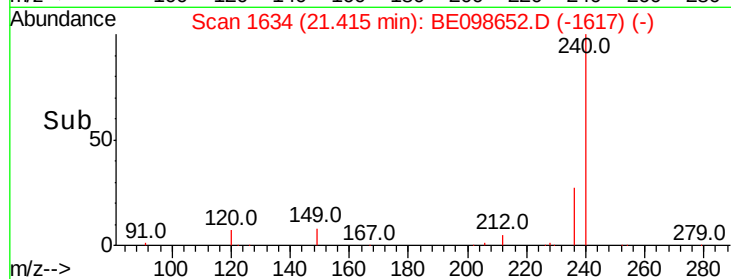
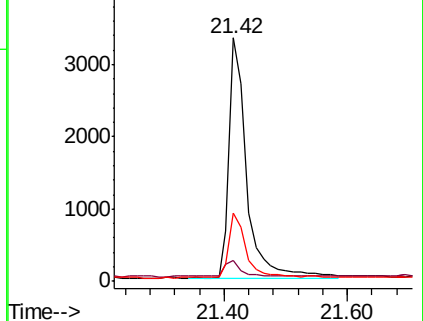
236 27.9 21.9 32.9



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: 0.325 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BE098652.D

Acq: 17 Jan 2019 18:27

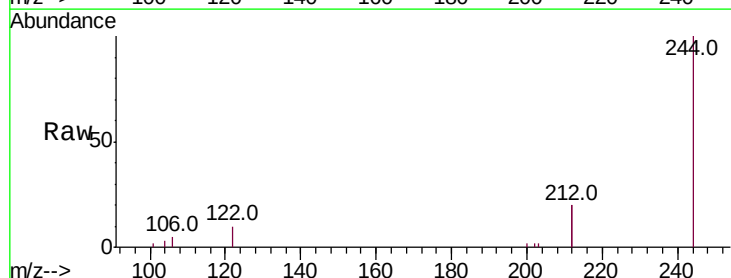
Tgt Ion:244 Resp: 4722

Ion Ratio Lower Upper

244 100

212 40.0 29.4 44.2

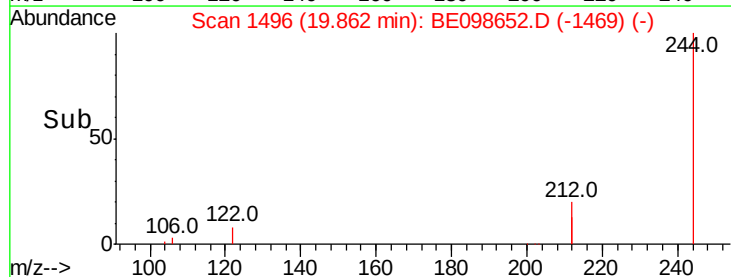
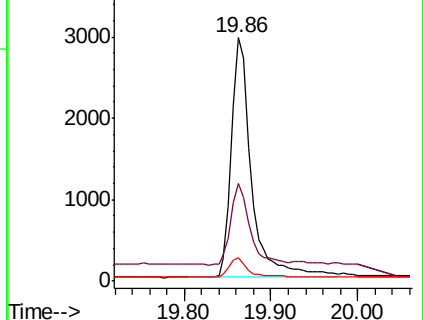
122 9.6 7.1 10.7

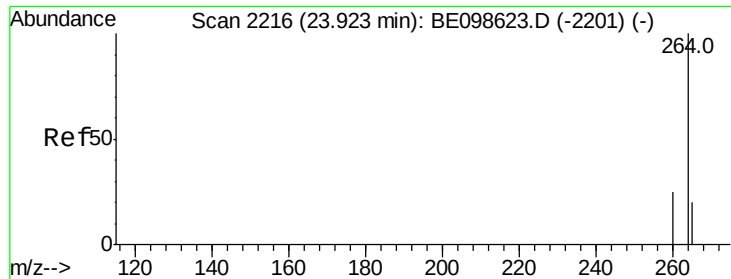


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BE098652.D
Acq: 17 Jan 2019 18:27

Instrument :
BNA_E
ClientSampleId :
PB116461BL

Tot Ion:264 Resp: 6784
Ion Ratio Lower Upper
264 100
260 25.8 20.5 30.7
265 27.9 22.3 33.5

