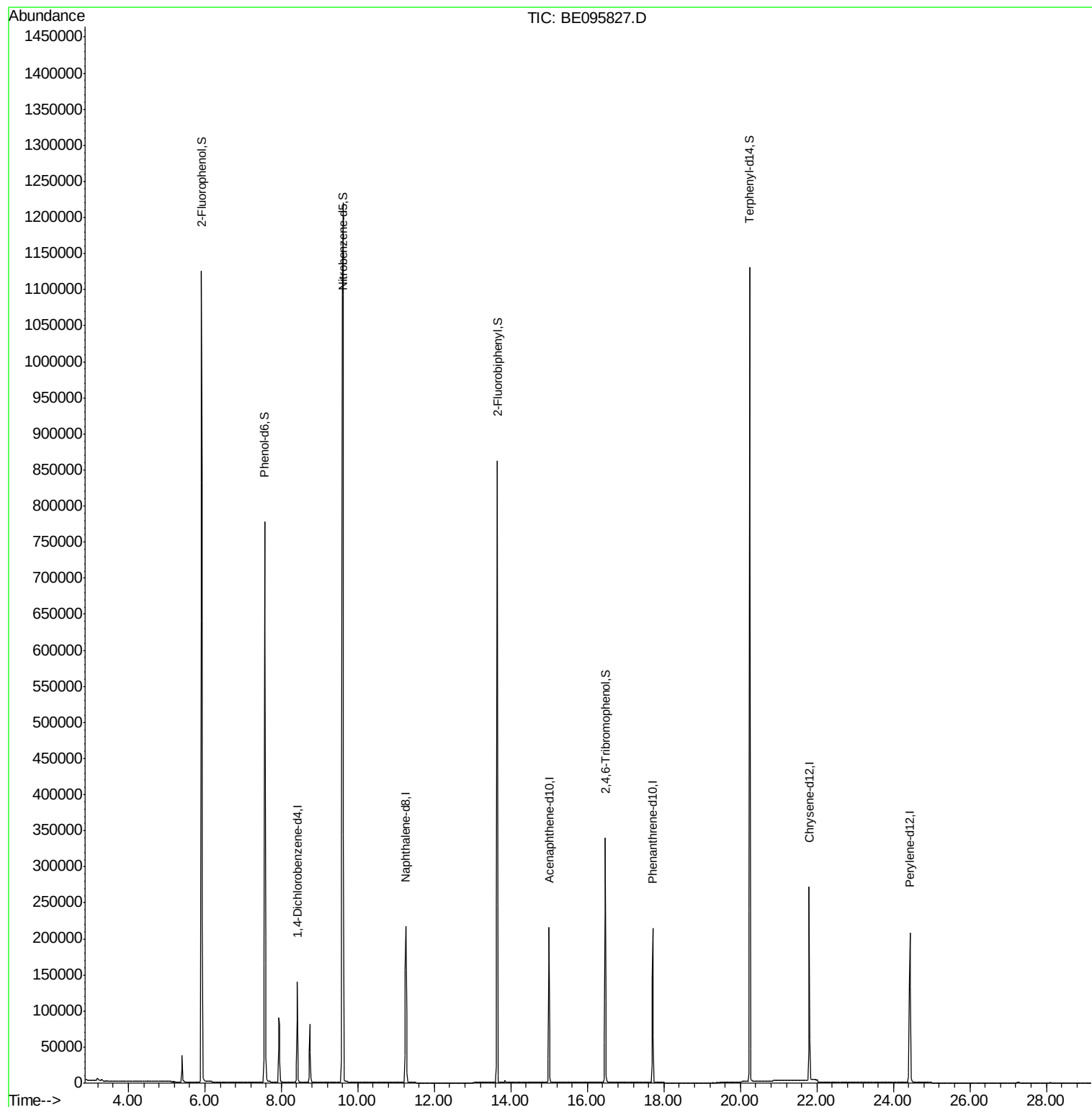
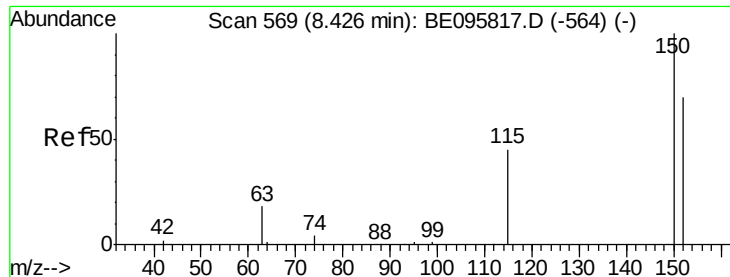


Data Path : Z:\HPCHEM1\BNA E\DATA\BE032318\
Data File : BE095827.D
Acq On : 23 Mar 2018 17:37
Operator : SJ/JU
Sample : PB107345BL
Misc :
ALS Vial : 14 Sample Multiplier: 50

Instrument :
BNA_E
ClientSampleId :
PB107345BL

Quant Time: Mar 26 16:35:17 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
Response via : Initial Calibration



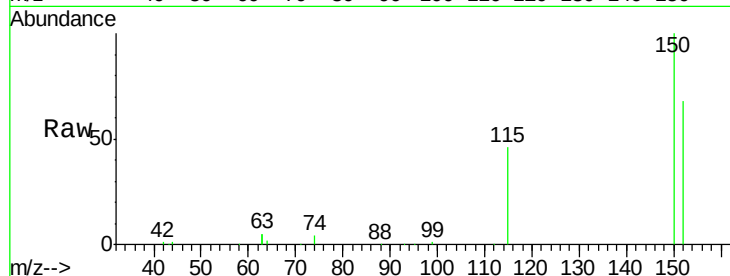


#1

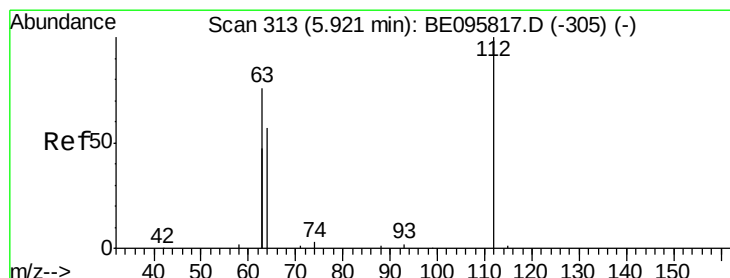
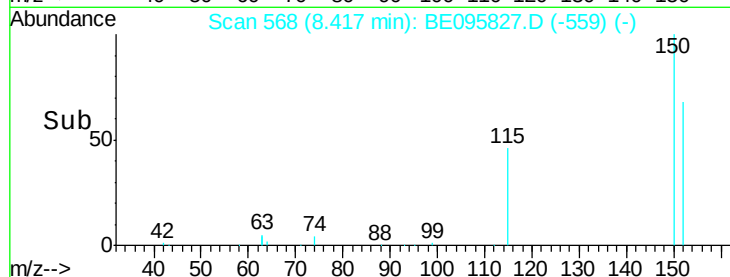
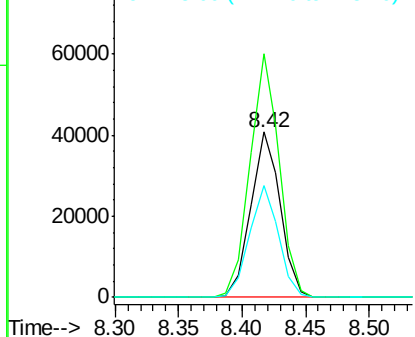
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095827.D
Acq: 23 Mar 2018 17:37

Instrument :
BNA_E
ClientSampleId :
PB107345BL

Tot Ion:152 Resp: 65300
Ion Ratio Lower Upper
152 100
150 147.6 117.2 175.8
115 67.9 57.0 85.6



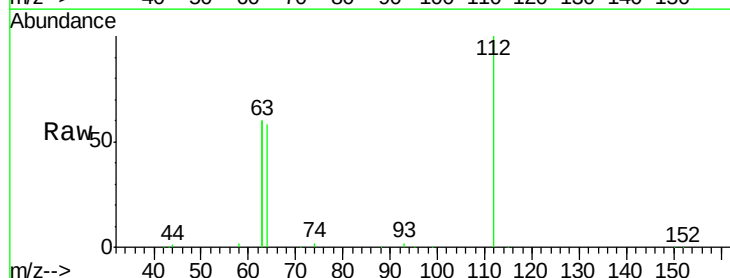
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



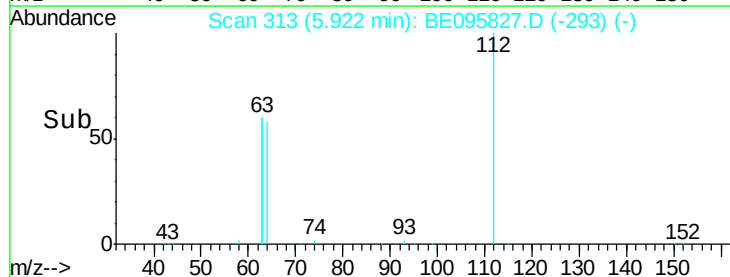
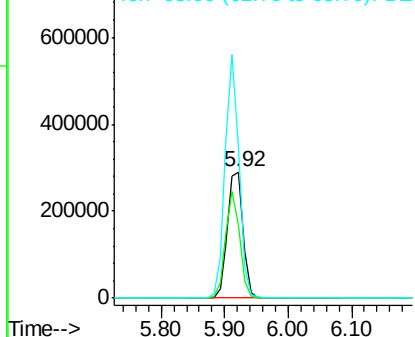
#4

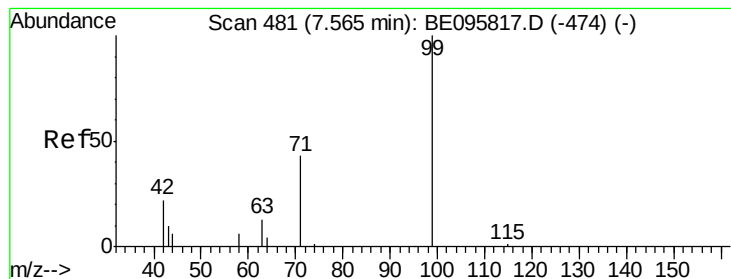
2-Fluorophenol
Concen: 114.565 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.00 min
Lab File: BE095827.D
Acq: 23 Mar 2018 17:37

Tgt Ion:112 Resp: 493221
Ion Ratio Lower Upper
112 100
64 77.1 60.1 90.1
63 173.4 116.8 175.2



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: 114.829 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

Instrument :

BNA_E

ClientSampleId :

PB107345BL

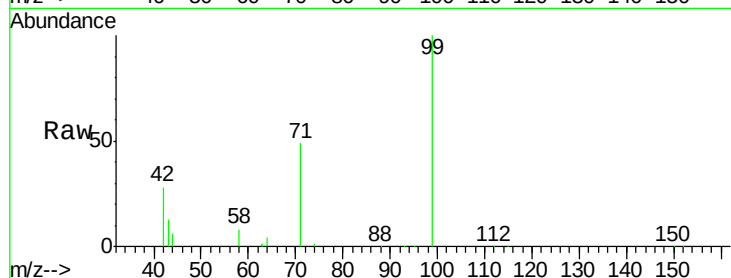
Tot Ion: 99 Resp: 679805

Ion Ratio Lower Upper

99 100

42 25.7 20.2 30.2

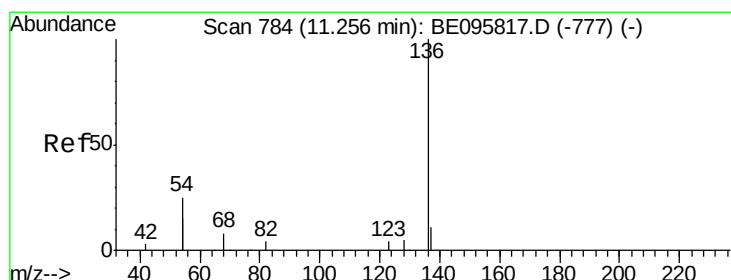
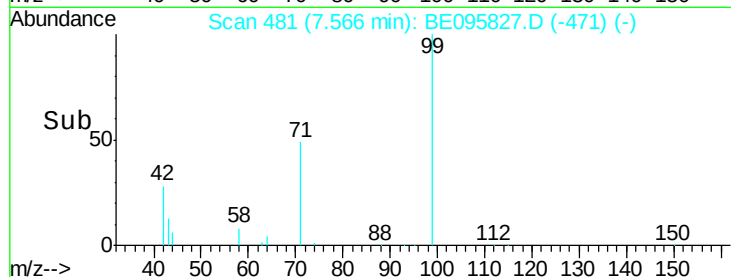
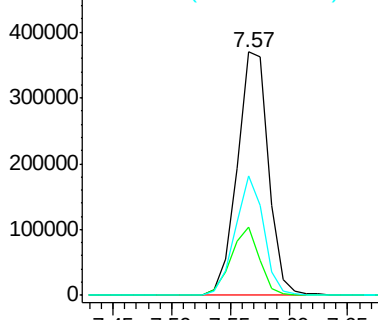
71 44.8 28.4 42.6#



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: 20.000 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

Tgt Ion: 136 Resp: 233110

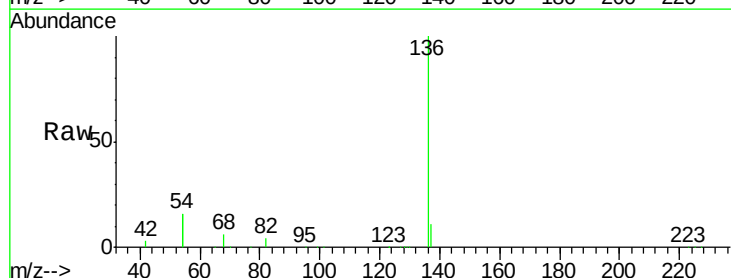
Ion Ratio Lower Upper

136 100

137 10.9 9.5 14.3

54 31.9 29.1 43.7

68 5.9 6.2 9.2#

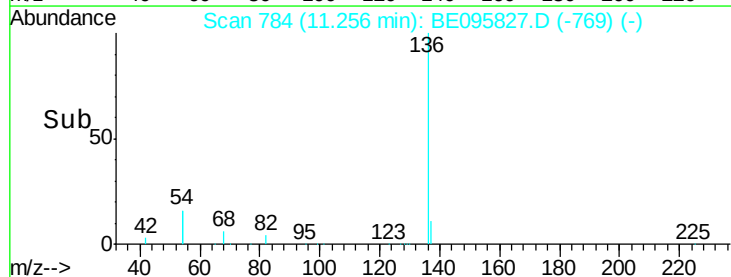
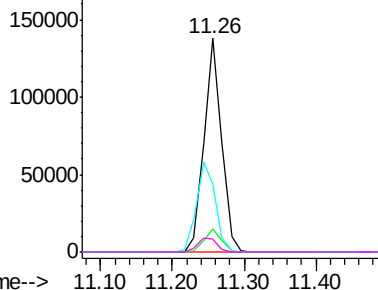


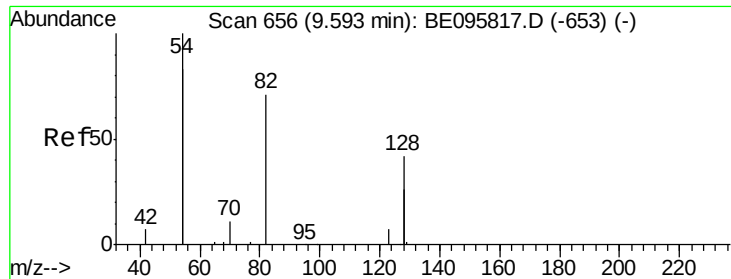
Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.638 ng

RT: 9.61 min Scan# 657

Delta R.T. 0.01 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

Instrument :

BNA_E

ClientSampleId :

PB107345BL

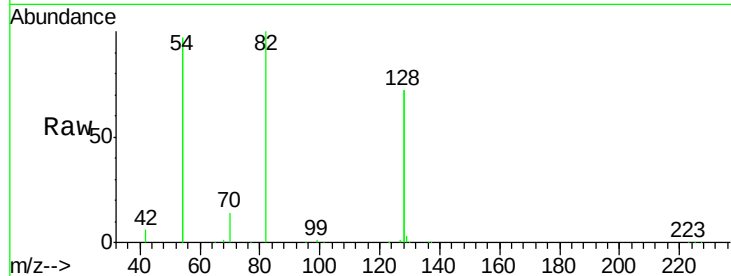
Tot Ion: 82 Resp: 482706

Ion Ratio Lower Upper

82 100

128 143.8 150.0 225.0#

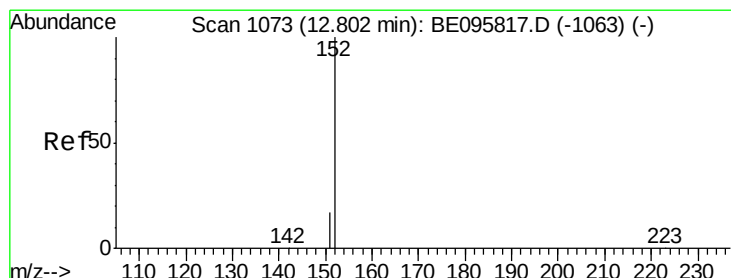
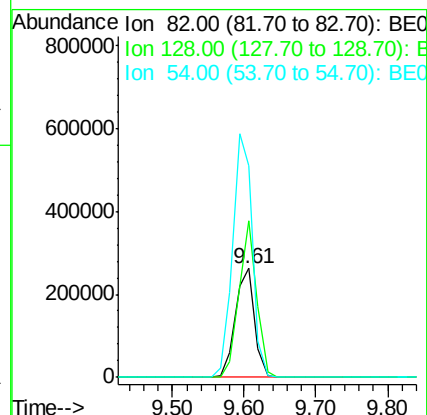
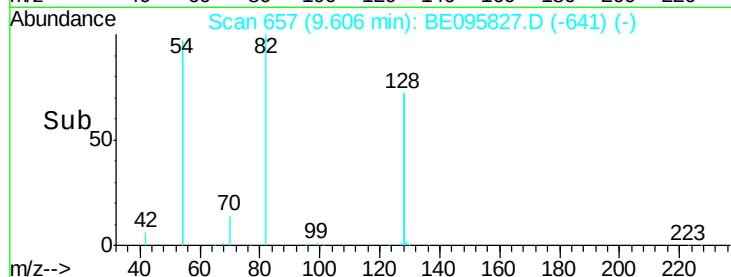
54 194.6 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE095827.D (-641) (-)

Ion 128.00 (127.70 to 128.70): BE095827.D (-641) (-)

Ion 54.00 (53.70 to 54.70): BE095827.D (-641) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.003 ng

RT: 12.80 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE095827.D

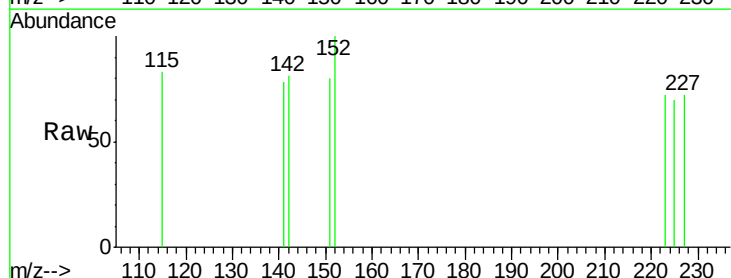
Acq: 23 Mar 2018 17:37

Tgt Ion: 152 Resp: 24

Ion Ratio Lower Upper

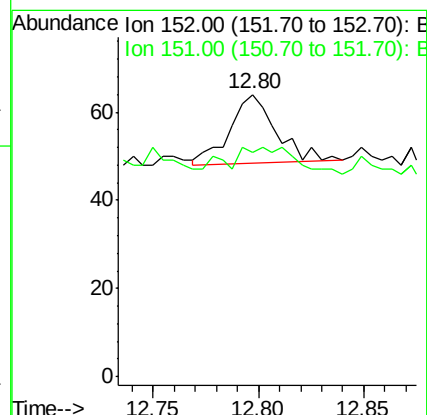
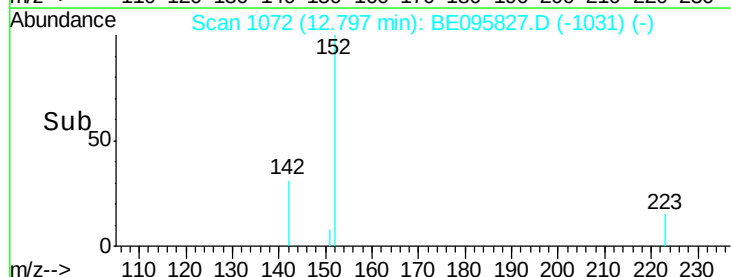
152 100

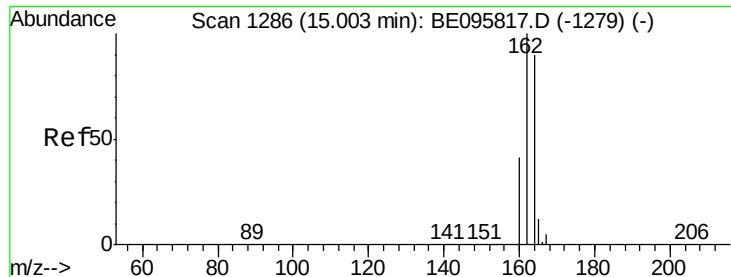
151 54.2 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): BE095827.D (-1031) (-)

Ion 151.00 (150.70 to 151.70): BE095827.D (-1031) (-)





#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

Instrument :

BNA_E

ClientSampleId :

PB107345BL

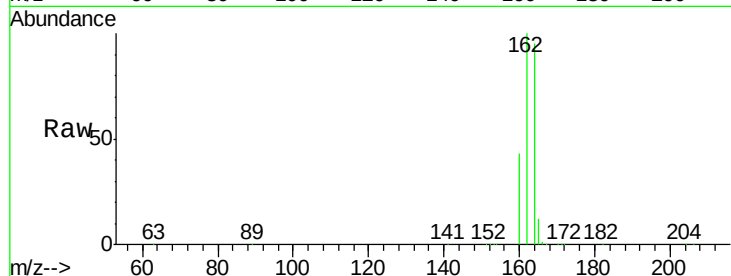
Tot Ion:164 Resp: 125638

Ion Ratio Lower Upper

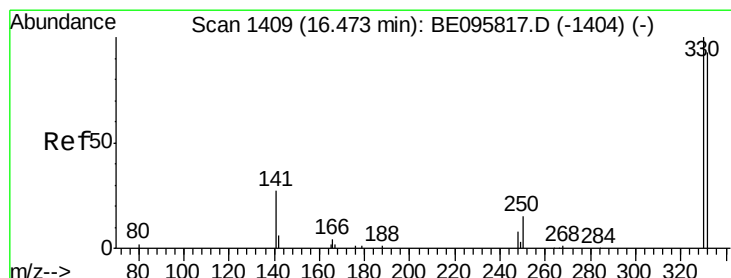
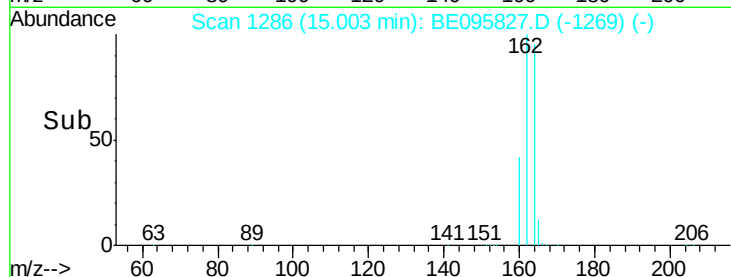
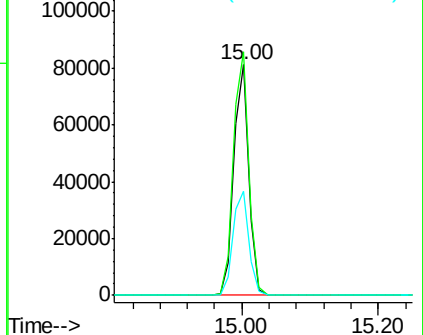
164 100

162 105.5 83.1 124.7

160 44.9 37.1 55.7



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: 125.480 ng

RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

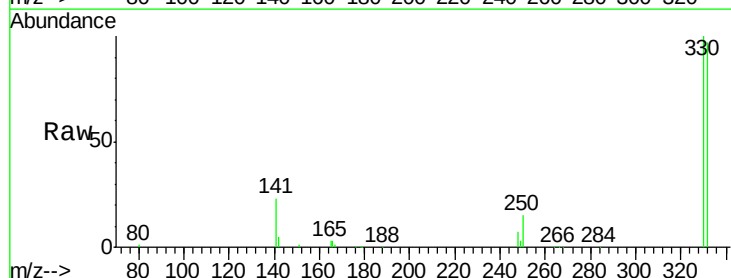
Tgt Ion:330 Resp: 181955

Ion Ratio Lower Upper

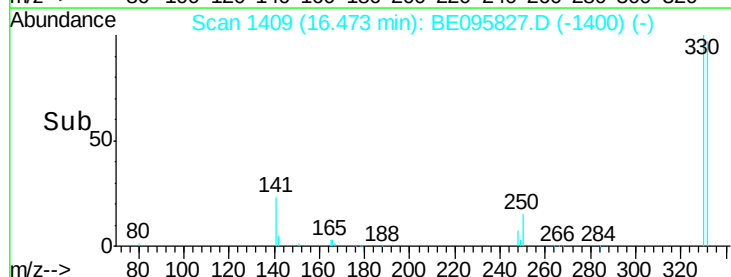
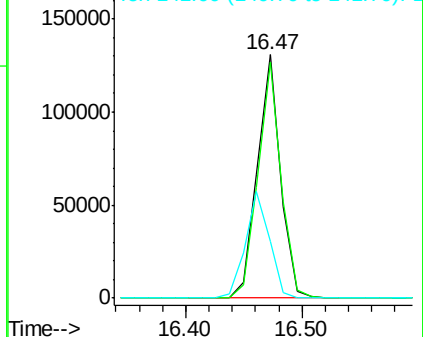
330 100

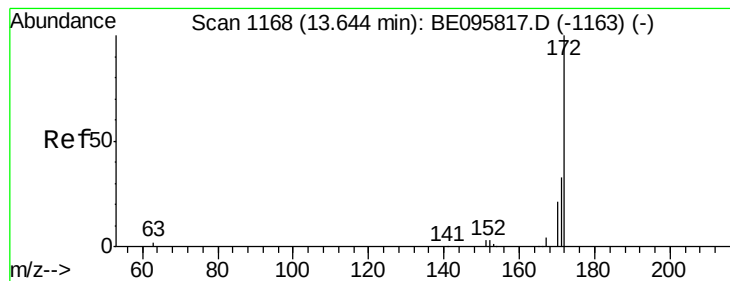
332 96.5 152.7 229.1#

141 45.5 33.7 50.5



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

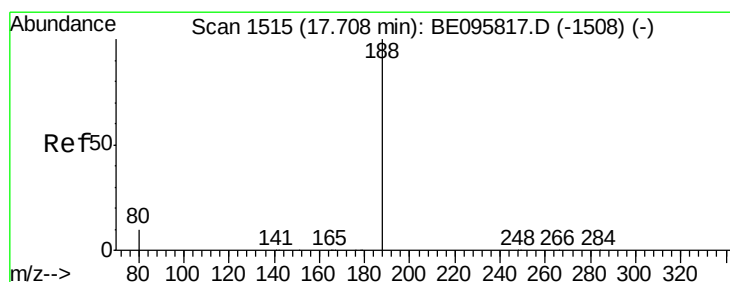
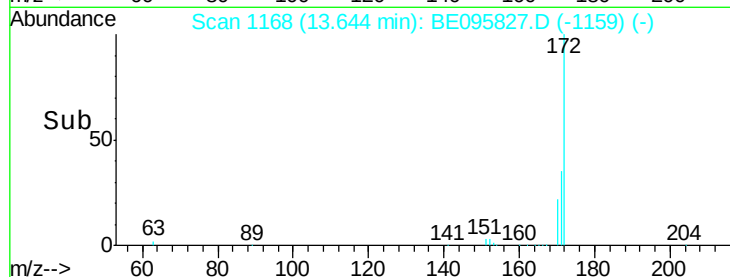
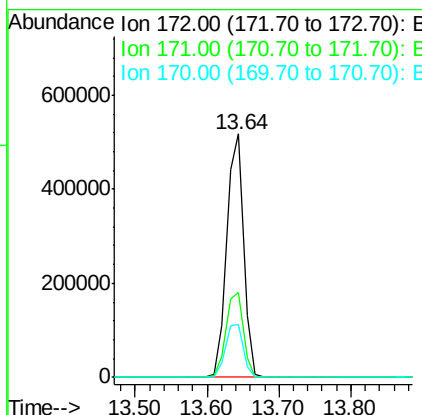
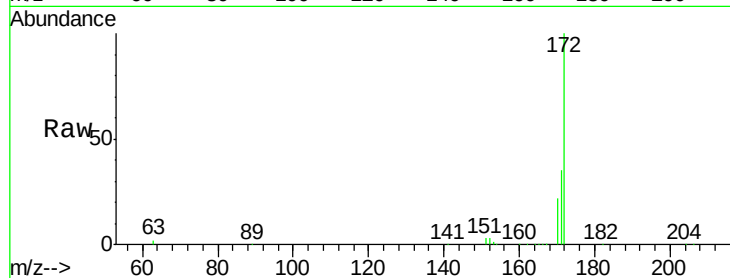




#15
2-Fluorobiphenyl
Concen: 79.360 ng
RT: 13.64 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE095827.D
Acq: 23 Mar 2018 17:37

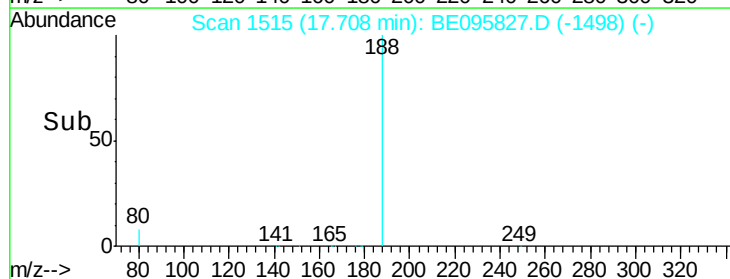
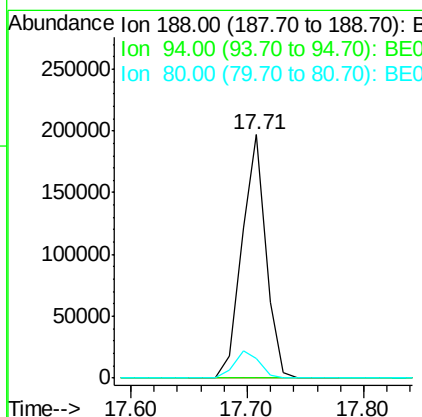
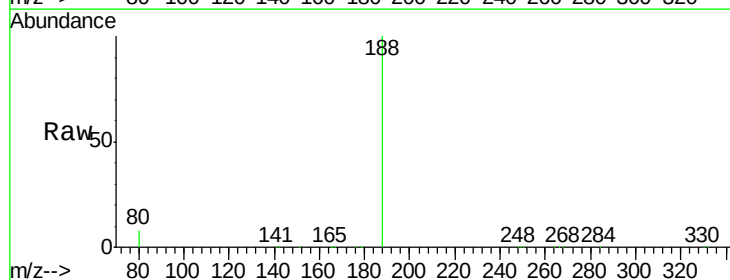
Instrument :
BNA_E
ClientSampleId :
PB107345BL

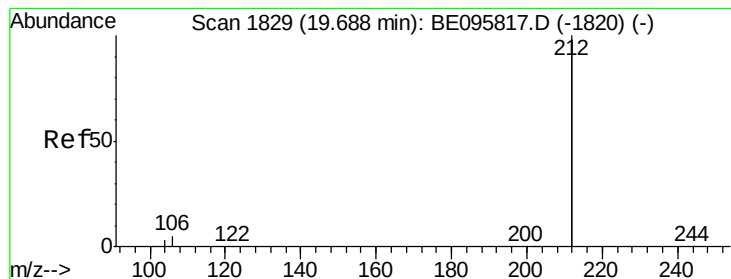
Tot Ion:172 Resp: 840453
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 21.5 21.8 32.8#



#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.71 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BE095827.D
Acq: 23 Mar 2018 17:37

Tgt Ion:188 Resp: 281778
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 8.2 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

Instrument :

BNA_E

ClientSampleId :

PB107345BL

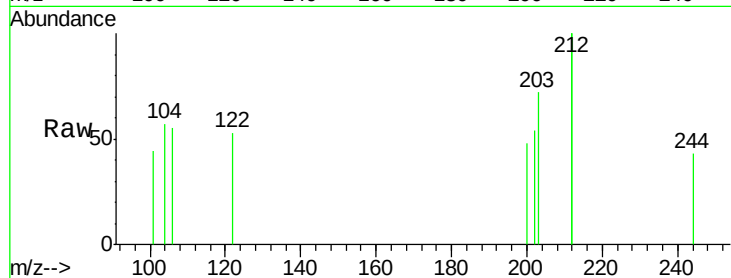
Tot Ion:212 Resp: 31

Ion Ratio Lower Upper

212 100

106 29.0 2.8 4.2#

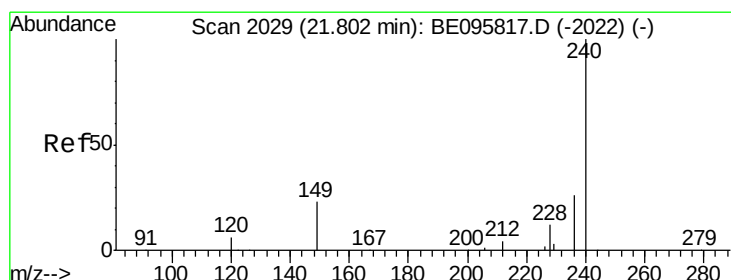
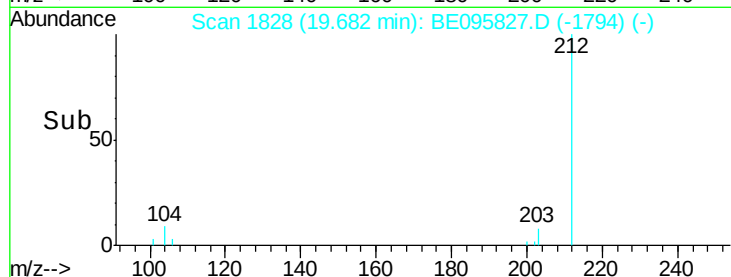
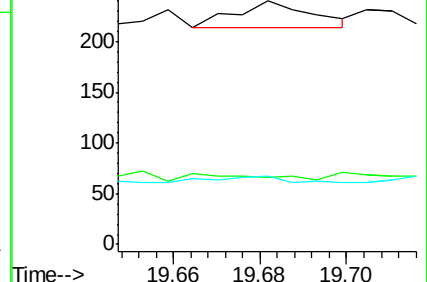
104 22.6 1.6 2.4#



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: 20.000 ng

RT: 21.80 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

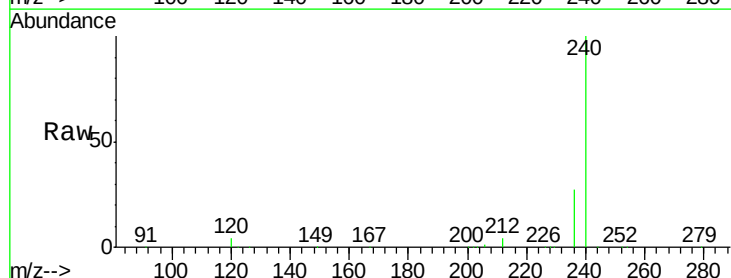
Tgt Ion:240 Resp: 305857

Ion Ratio Lower Upper

240 100

120 4.4 5.5 8.3#

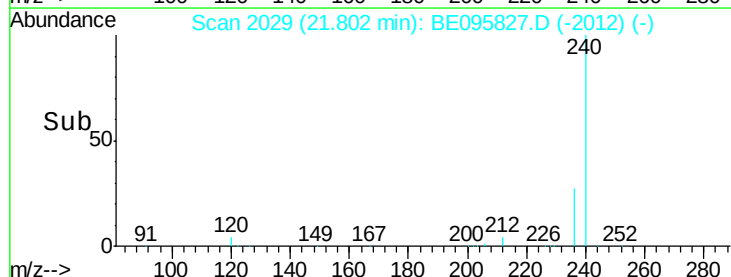
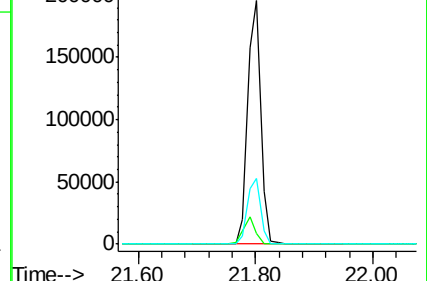
236 26.8 20.7 31.1

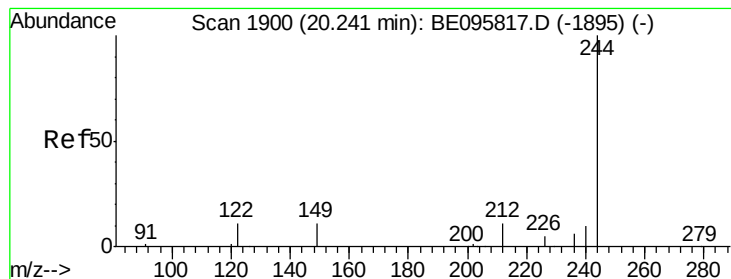


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 86.992 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

Instrument :

BNA_E

ClientSampleId :

PB107345BL

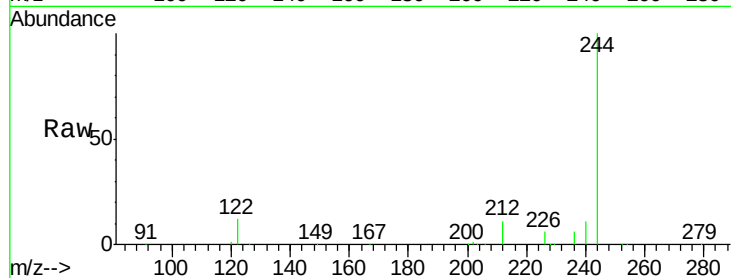
Tot Ion:244 Resp: 1130147

Ion Ratio Lower Upper

244 100

212 11.3 25.4 38.0#

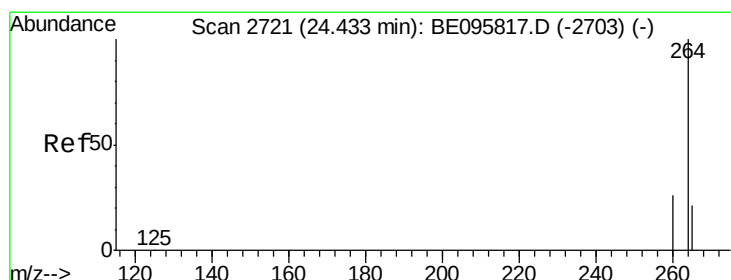
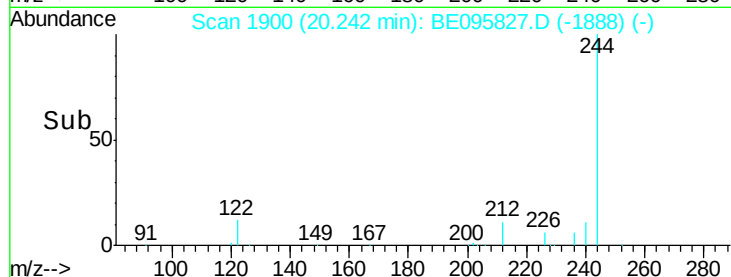
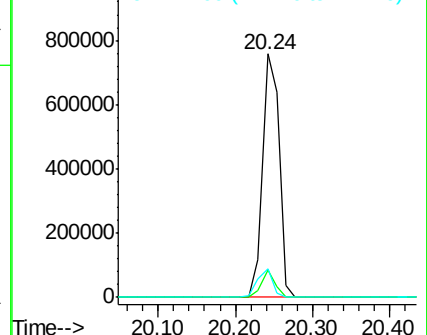
122 11.8 8.1 12.1



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: 20.000 ng

RT: 24.43 min Scan# 2720

Delta R.T. -0.00 min

Lab File: BE095827.D

Acq: 23 Mar 2018 17:37

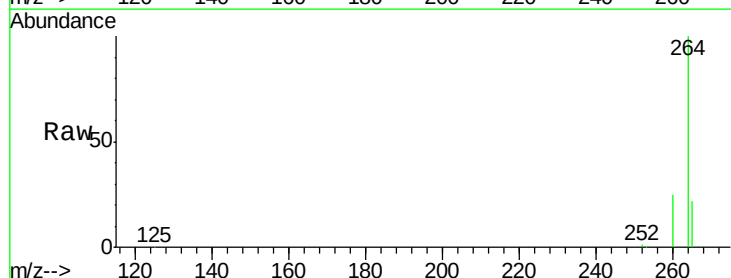
Tgt Ion:264 Resp: 322885

Ion Ratio Lower Upper

264 100

260 25.3 20.5 30.7

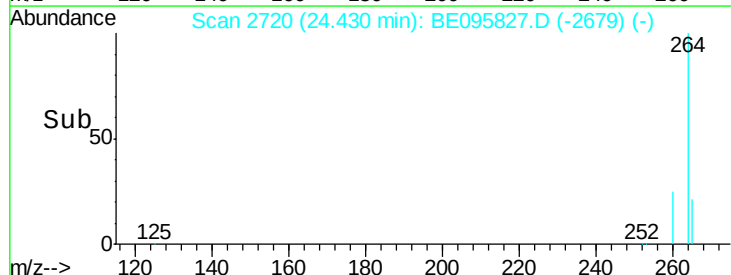
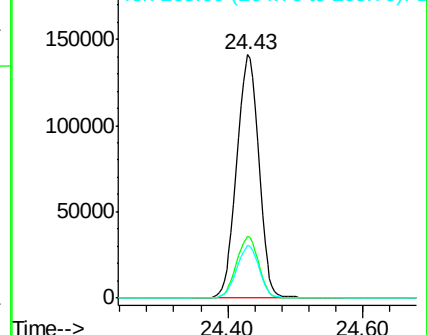
265 21.7 22.8 34.2#



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



Data Path : Z:\HPCHEM1\BNA E\DATA\BE032318\
 Data File : BE095827.D
 Acq On : 23 Mar 2018 17:37
 Operator : SJ/JU
 Sample : PB107345BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 50

Instrument :
 BNA_E
 ClientSampleId :
 PB107345BL

Quant Time: Mar 26 16:35:17 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	65300	20.00	ng	0.00
7) Naphthalene-d8	11.26	136	233110	20.00	ng	0.00
13) Acenaphthene-d10	15.00	164	125638	20.00	ng	0.00
19) Phenanthrene-d10	17.71	188	281778	20.00	ng	0.00
27) Chrysene-d12	21.80	240	305857	20.00	ng	0.00
34) Perylene-d12	24.43	264	322885	20.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	493221	114.56	ng	0.00
5) Phenol-d6	7.57	99	679805	114.83	ng	0.00
8) Nitrobenzene-d5	9.61	82	482706	87.64	ng	0.01
11) 2-Methylnaphthalene-d10	12.80	152	24	0.00	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	181955	125.48	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	840453	79.36	ng	0.00
25) Fluoranthene-d10	19.68	212	31	0.00	ng	0.00
29) Terphenyl-d14	20.24	244	1130147	86.99	ng	0.00

Target Compounds Qvalue

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