

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096275.D
 Acq On : 29 Jun 2017 4:08
 Operator : SJ/MA
 Sample : I3909-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q9-BASE

Quant Time: Jun 29 06:06:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

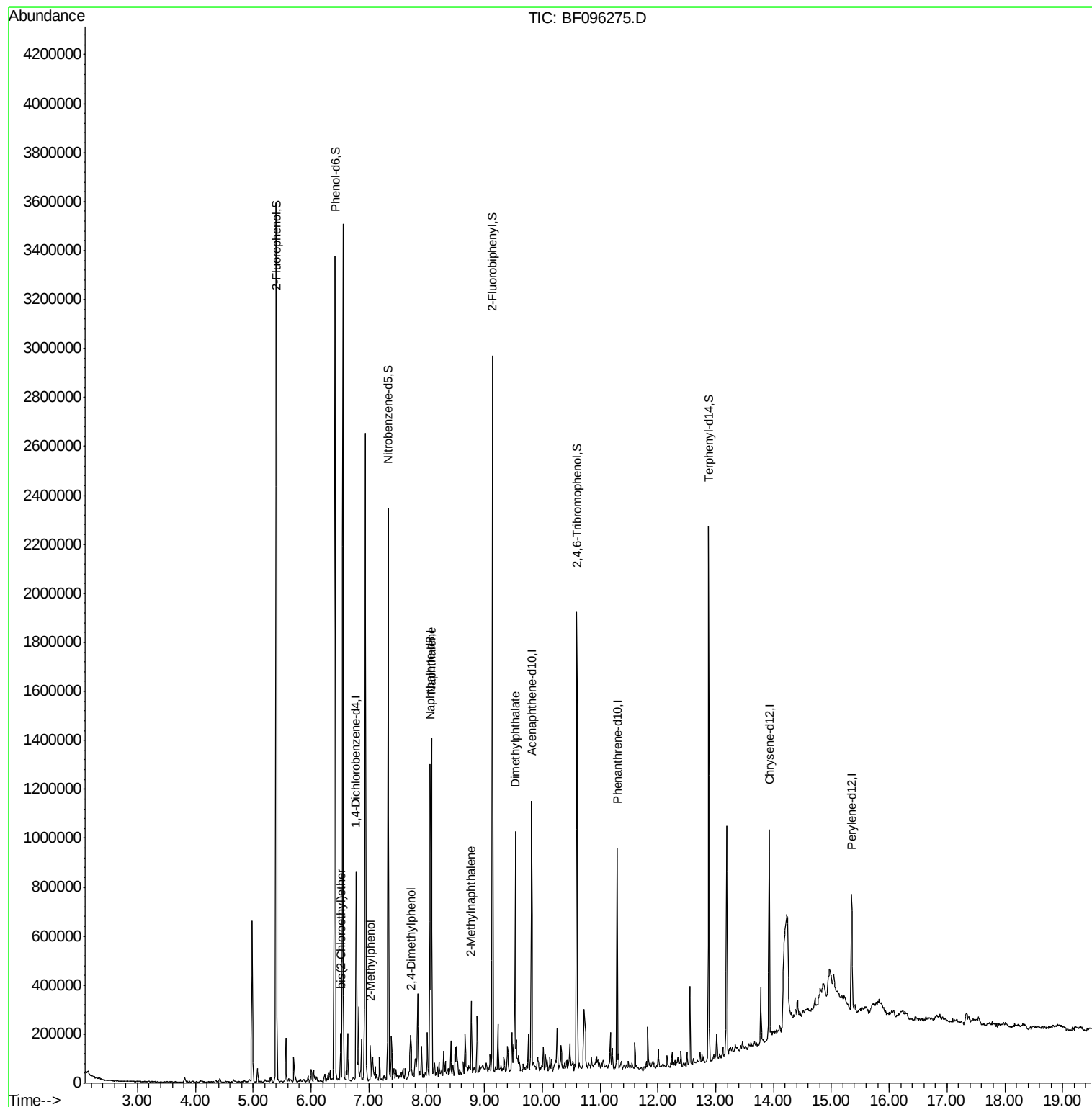
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	124178	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	482212	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	193325	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	314887	20.00	ng	0.01
75) Chrysene-d12	13.93	240	287360	20.00	ng	0.01
86) Perylene-d12	15.35	264	206741	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1013639	117.60	ng	0.02
7) Phenol-d6	6.42	99	1186868	113.72	ng	0.02
23) Nitrobenzene-d5	7.34	82	642706	92.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	222040	145.94	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	827246	78.36	ng	-0.01
78) Terphenyl-d14	12.88	244	637202	55.33	ng	0.01
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.52	93	45225	4.82	ng	91
17) 2-Methylphenol	7.03	107	21215	2.89	ng	94
27) 2,4-Dimethylphenol	7.73	122	42702	5.97	ng	91
31) Naphthalene	8.09	128	512979	22.07	ng	99
37) 2-Methylnaphthalene	8.77	142	71627	4.74	ng	94
49) Dimethylphthalate	9.53	163	358513	25.91	ng	98

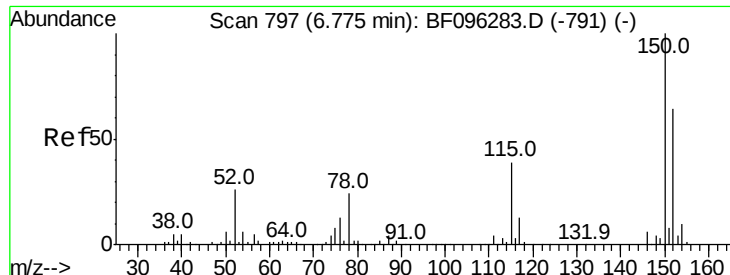
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-Q9-BASE

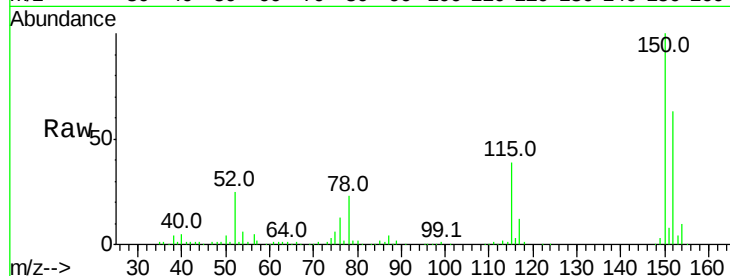
Tot Ion:152 Resp: 124178

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

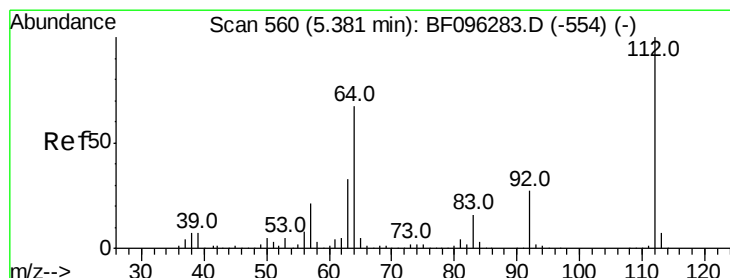
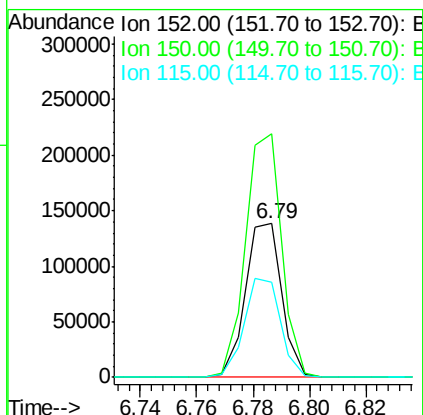
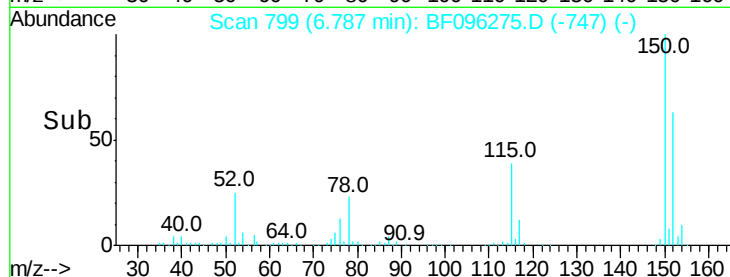
115 61.6 52.2 78.2



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



#5

2-Fluorophenol

Concen: 117.60 ng

RT: 5.40 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

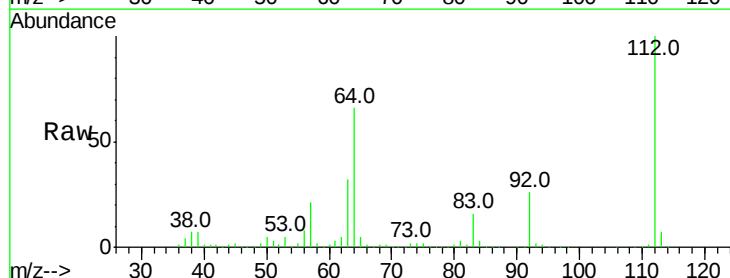
Tgt Ion:112 Resp: 1013639

Ion Ratio Lower Upper

112 100

64 65.9 46.0 69.0

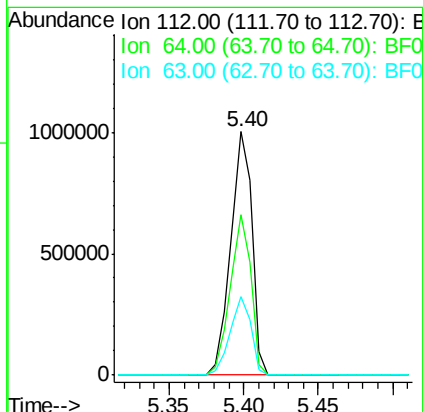
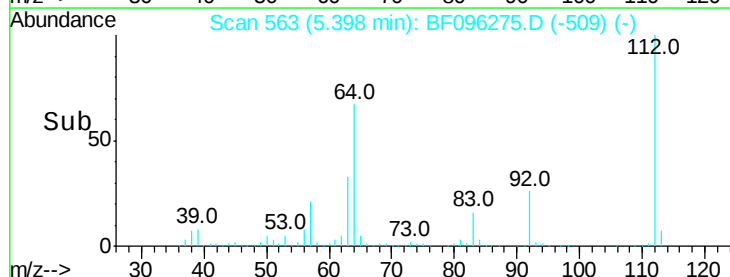
63 32.1 23.4 35.0

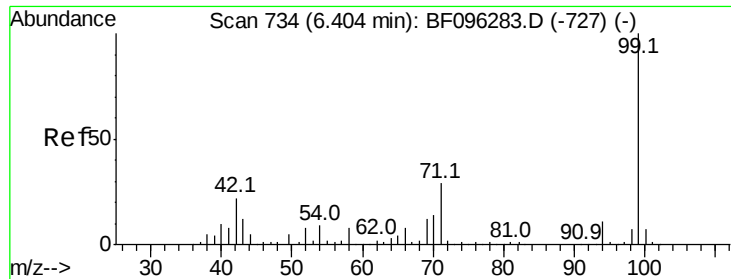


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.72 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

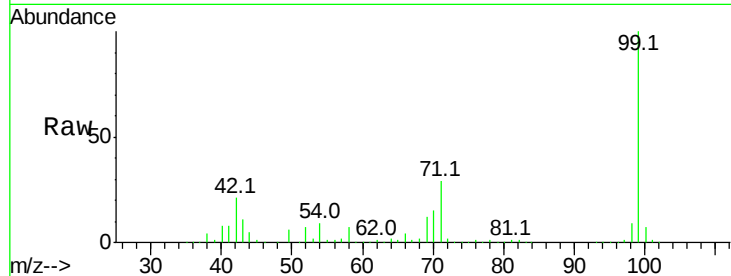
BNA_F

ClientSampleId :

E2-Q9-BASE

Tot Ion: 99 Resp: 1186868

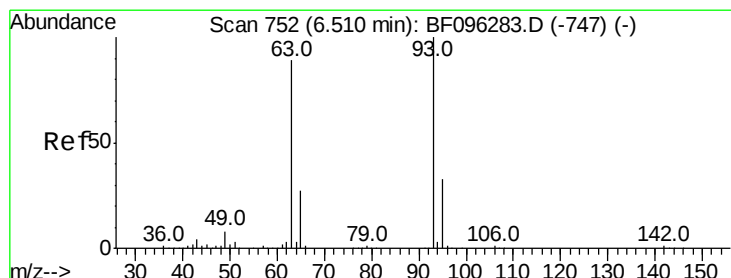
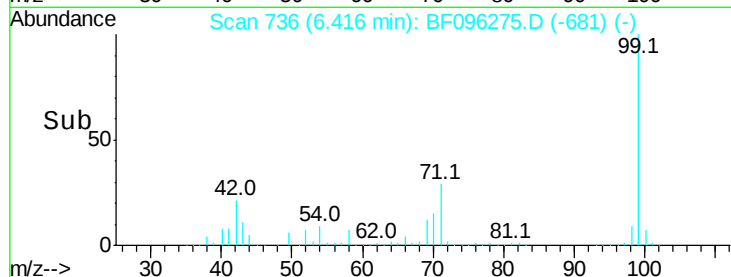
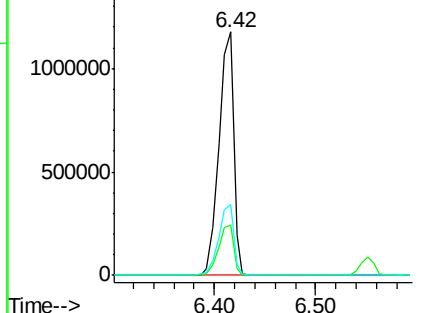
Ion	Ratio	Lower	Upper
99	100		
42	20.9	13.5	20.3#
71	29.1	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 4.82 ng

RT: 6.52 min Scan# 753

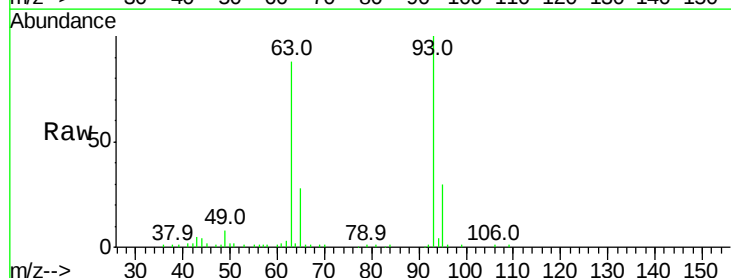
Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Tgt Ion: 93 Resp: 45225

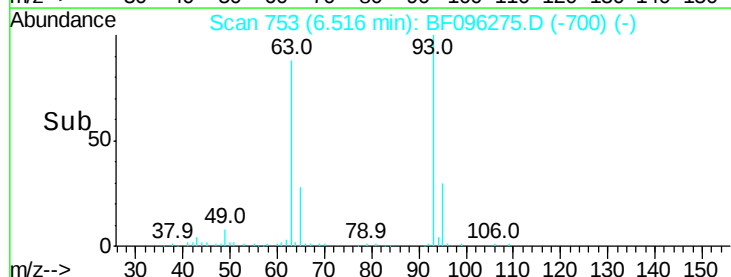
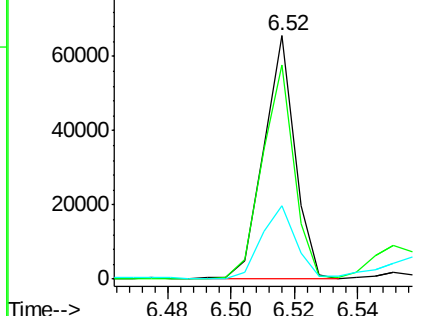
Ion	Ratio	Lower	Upper
93	100		
63	88.2	59.2	99.2
95	30.3	12.8	52.8

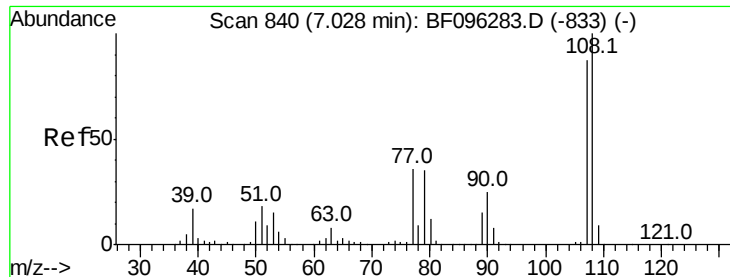


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

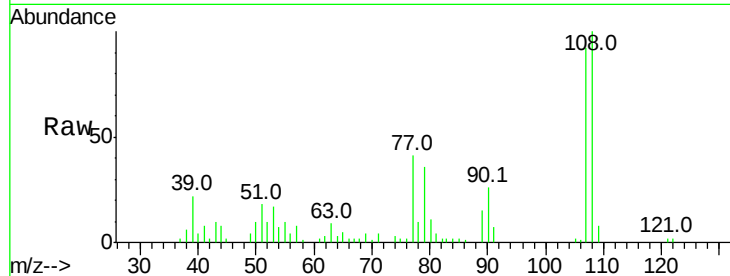




#17
2-Methylphenol
Concen: 2.89 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-Q9-BASE

Tot Ion	Ratio	Lower	Upper
107	100		
108	108.1	93.4	140.0
77	44.4	35.8	53.6
79	39.3	34.8	52.2



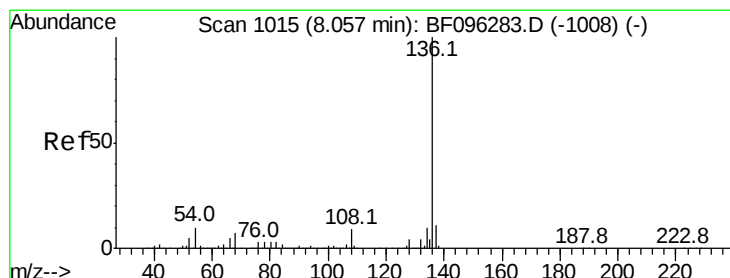
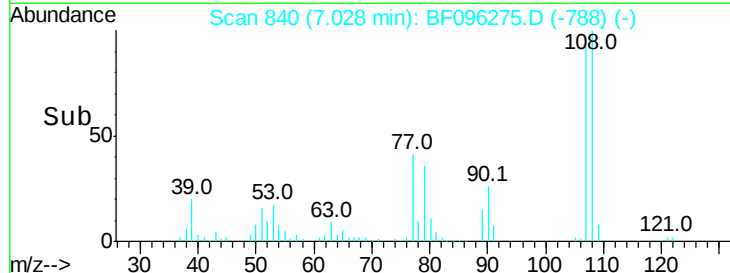
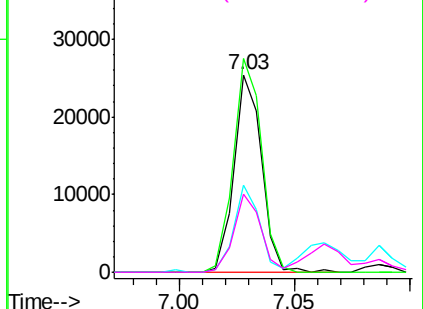
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

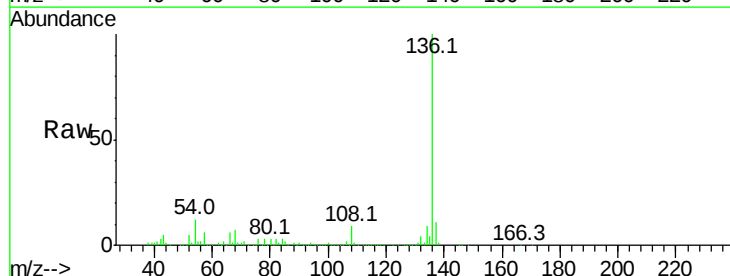
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.8	4.9	7.3#
68	7.0	4.1	6.1#



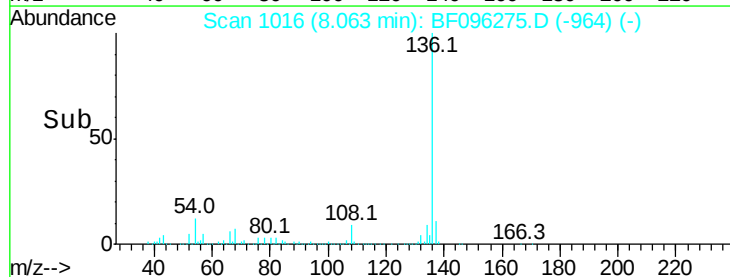
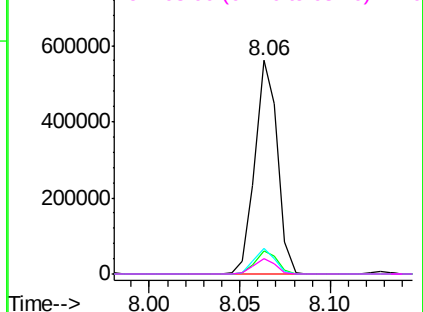
Abundance

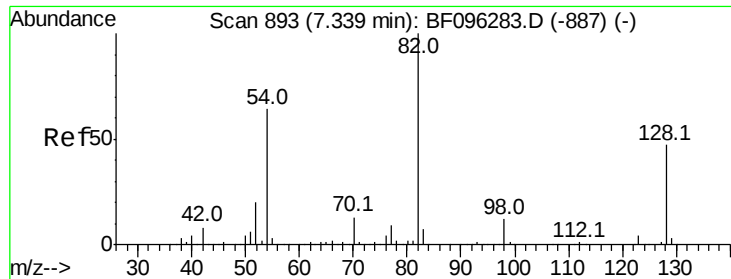
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

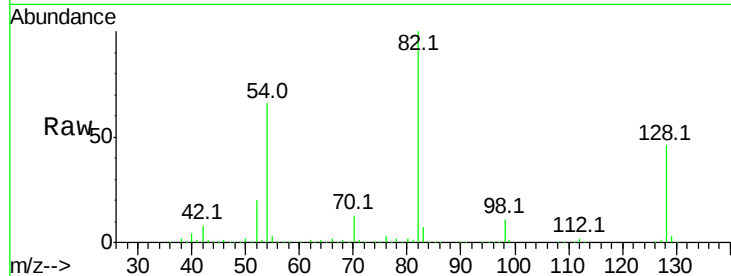




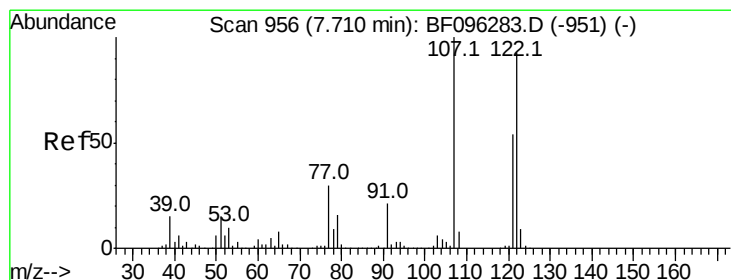
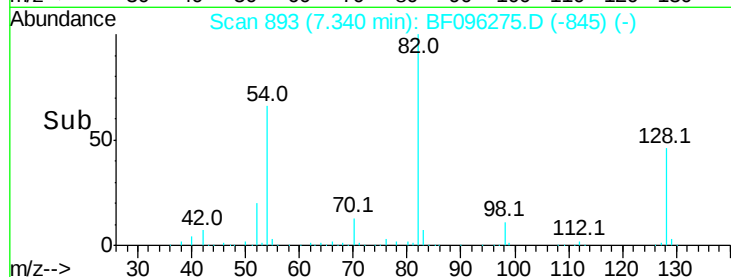
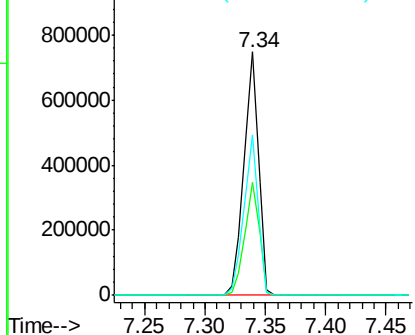
#23
Nitrobenzene-d5
Concen: 92.27 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Instrument :
BNA_F
ClientSampleId :
E2-Q9-BASE

Tot Ion: 82 Resp: 642706
Ion Ratio Lower Upper
82 100
128 46.3 34.0 51.0
54 65.7 42.2 63.2#

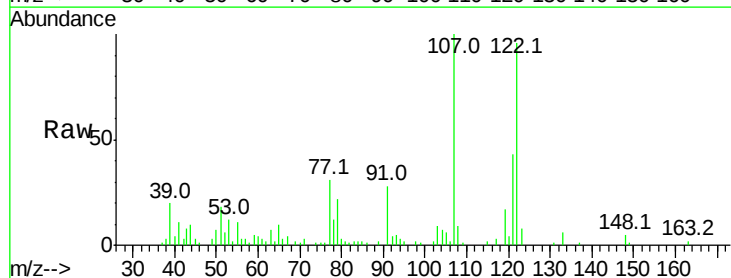


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

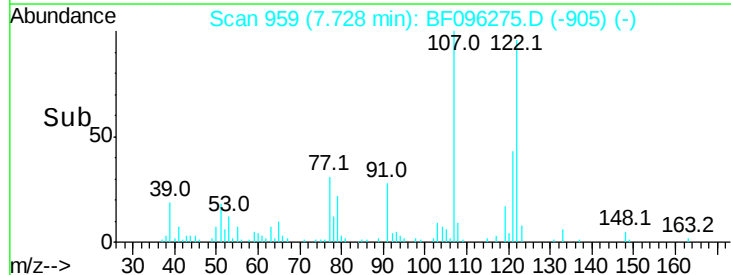
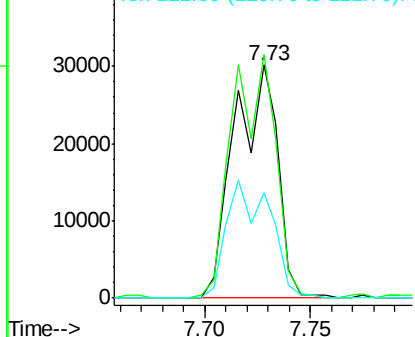


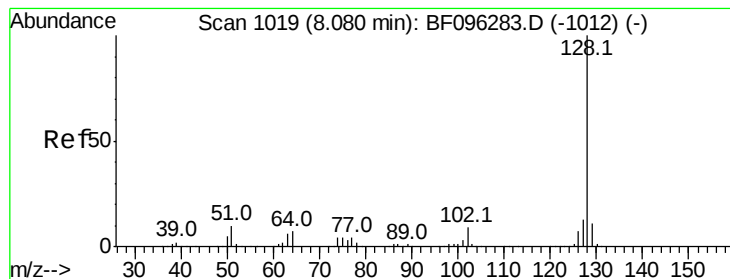
#27
2,4-Dimethylphenol
Concen: 5.97 ng
RT: 7.73 min Scan# 959
Delta R.T. 0.02 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Tgt Ion:122 Resp: 42702
Ion Ratio Lower Upper
122 100
107 104.6 89.2 133.8
121 45.3 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 22.07 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-Q9-BASE

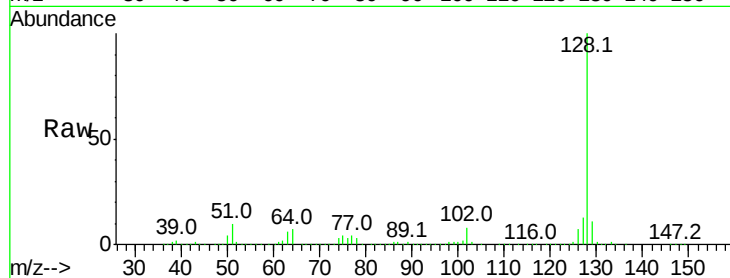
Tot Ion:128 Resp: 512979

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

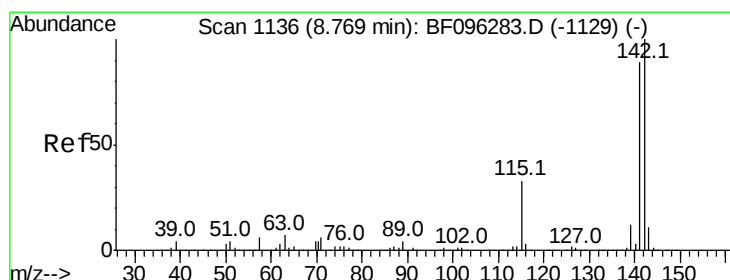
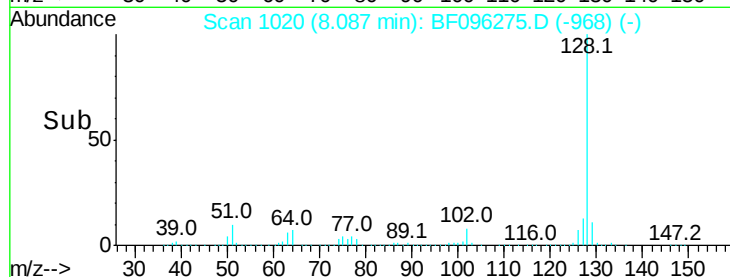
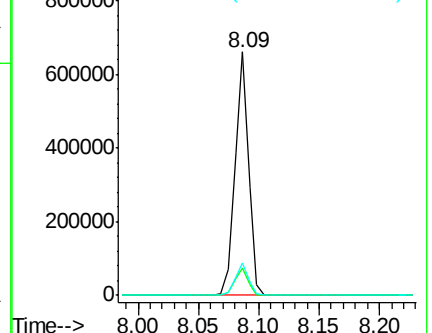
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 4.74 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

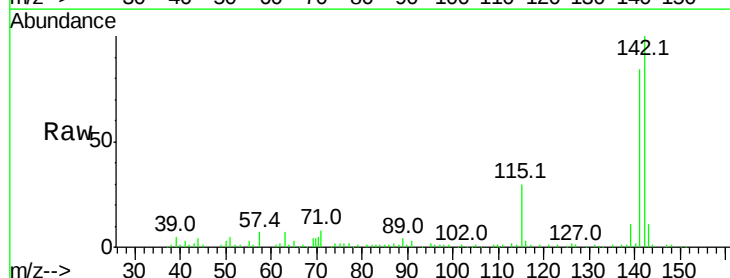
Tgt Ion:142 Resp: 71627

Ion Ratio Lower Upper

142 100

141 83.9 71.3 106.9

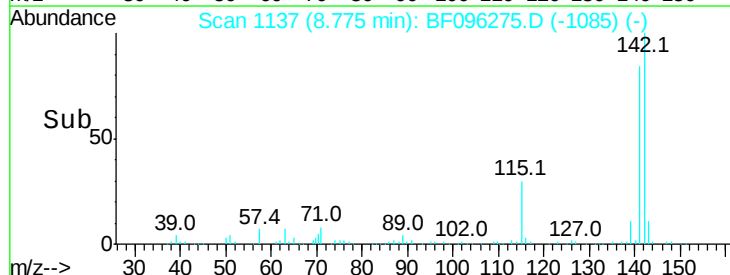
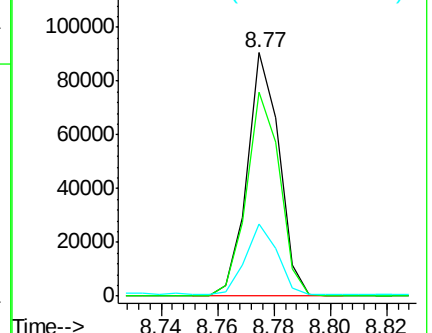
115 29.6 27.1 40.7

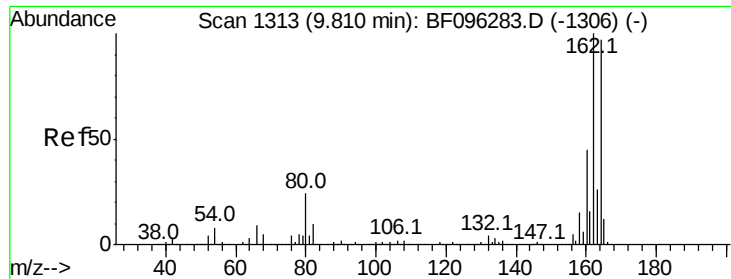


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

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E2-Q9-BASE

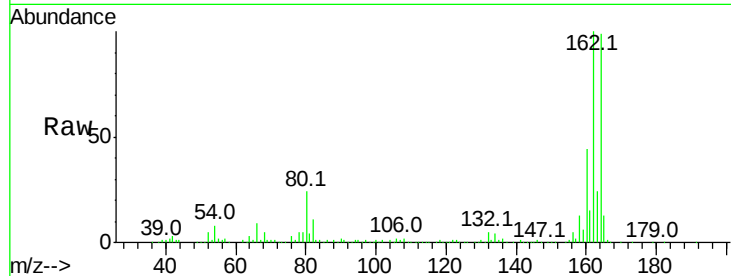
Tot Ion:164 Resp: 193325

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

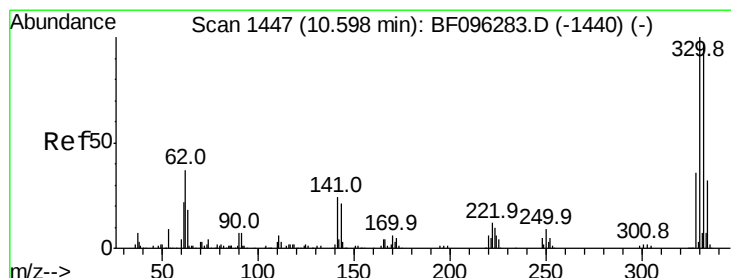
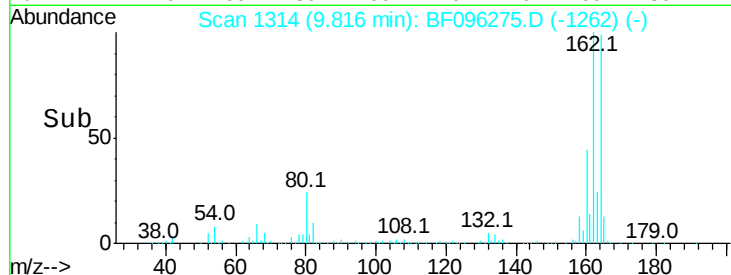
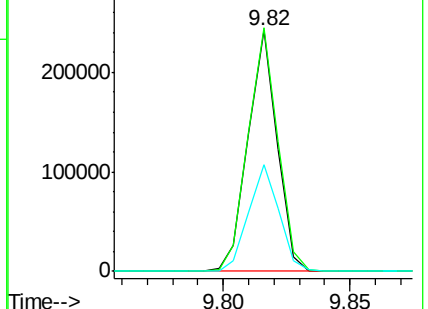
160 44.6 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 145.94 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

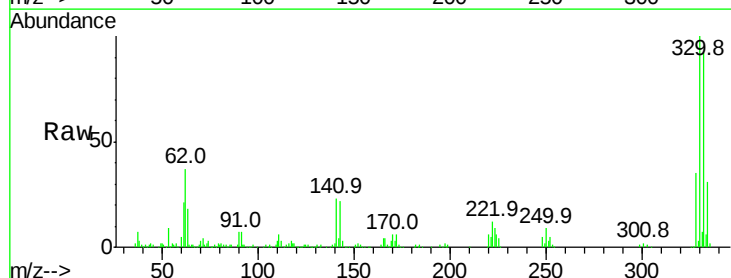
Tgt Ion:330 Resp: 222040

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

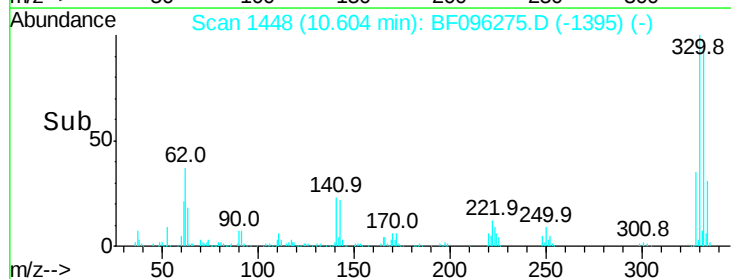
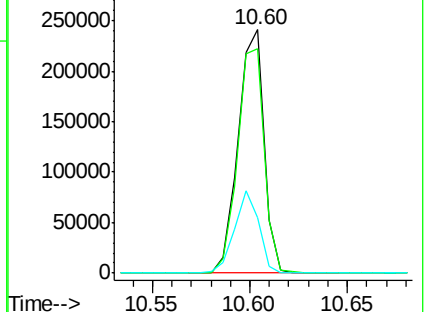
141 32.5 31.4 47.2

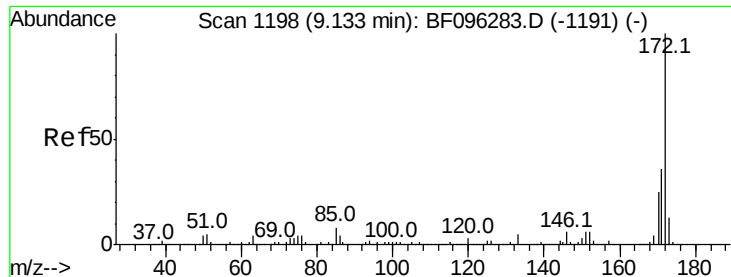


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

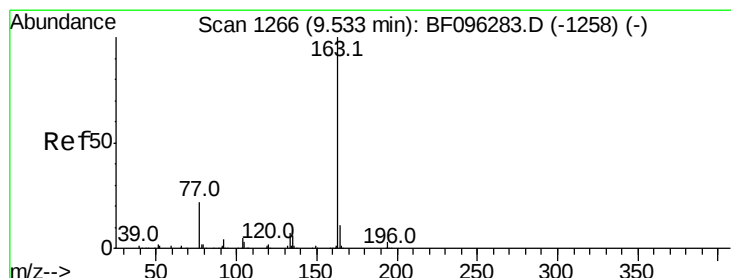
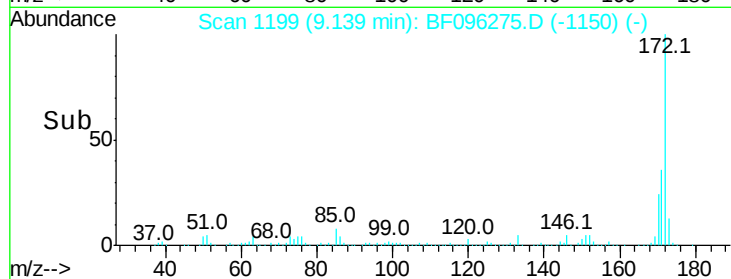
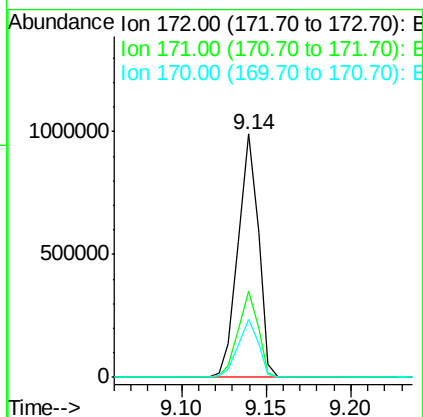
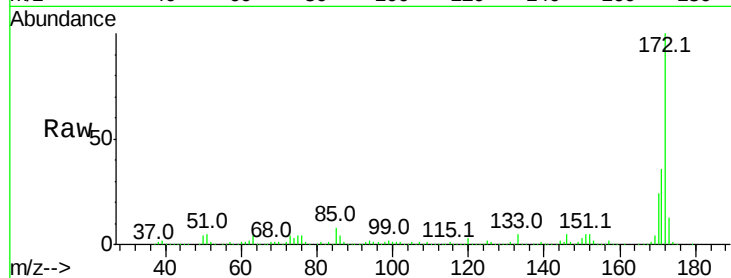




#44
 2-Fluorobiphenyl
 Concen: 78.36 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

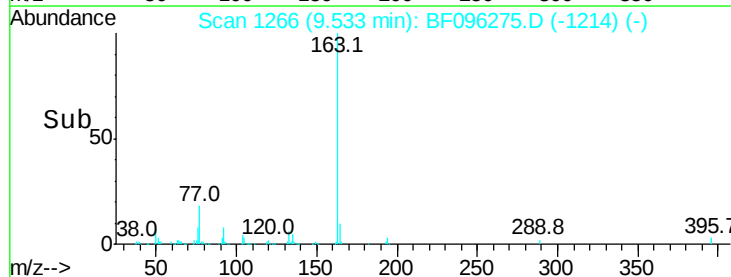
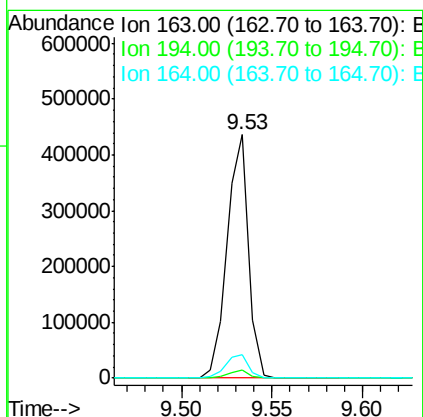
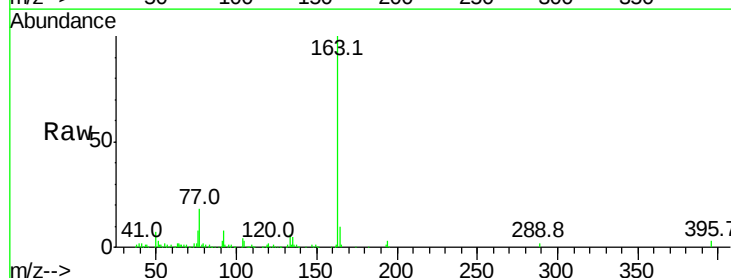
Instrument :
 BNA_F
 ClientSampleId :
 E2-Q9-BASE

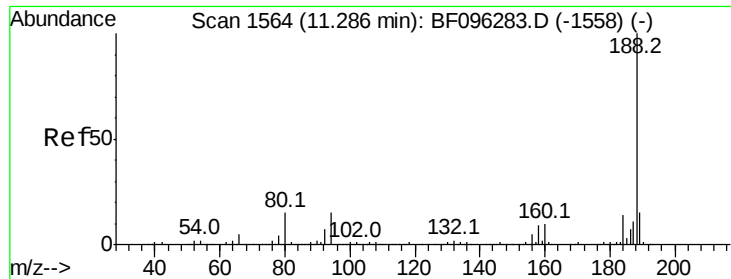
Tot Ion:172 Resp: 827246
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.9 19.8 29.8



#49
 Dimethylphthalate
 Concen: 25.91 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Tgt Ion:163 Resp: 358513
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.7 8.4 12.6

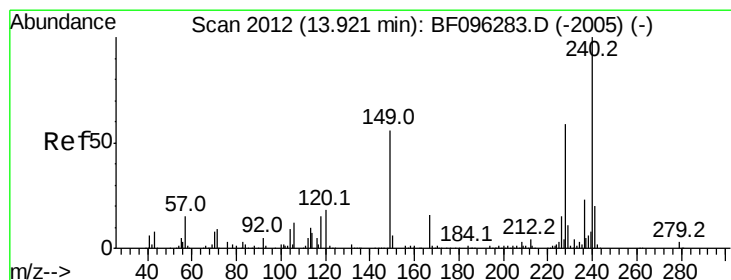
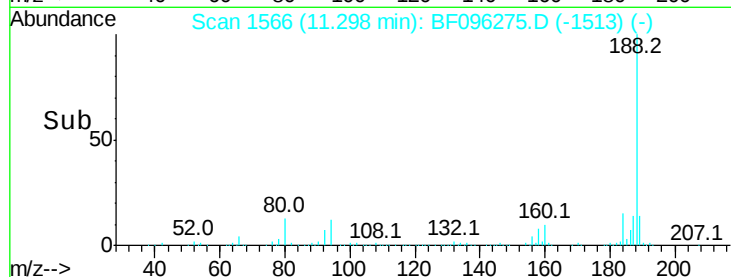
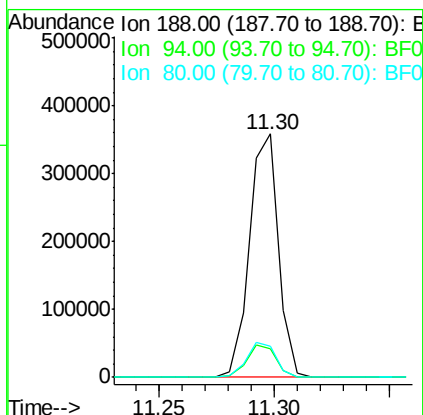
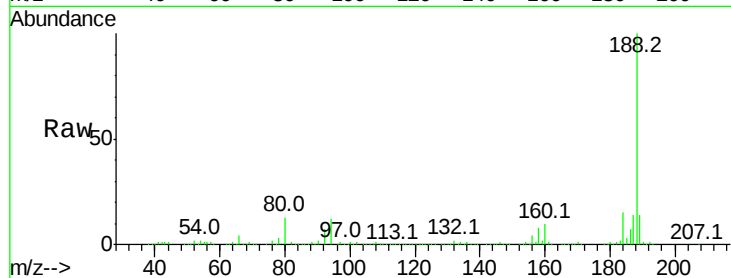




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

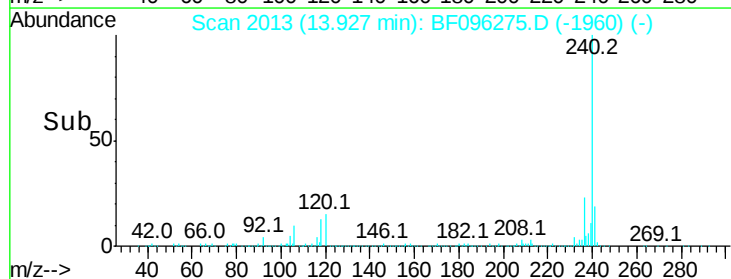
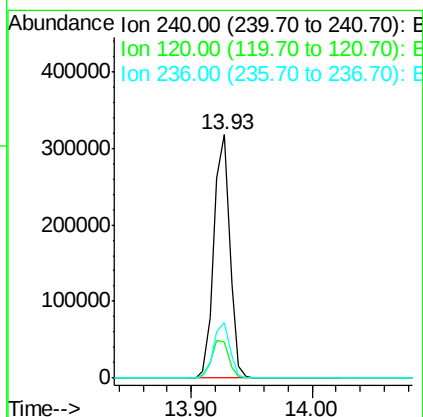
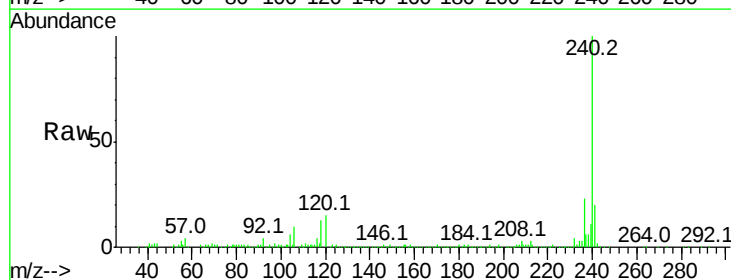
Instrument :
BNA_F
ClientSampleId :
E2-Q9-BASE

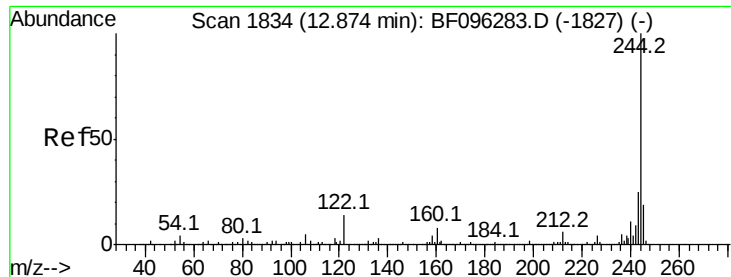
Tot Ion:188 Resp: 314887
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 13.0 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Tgt Ion:240 Resp: 287360
Ion Ratio Lower Upper
240 100
120 15.0 5.8 8.8#
236 22.9 20.5 30.7





#78

Terphenyl-d14

Concen: 55.33 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

E2-Q9-BASE

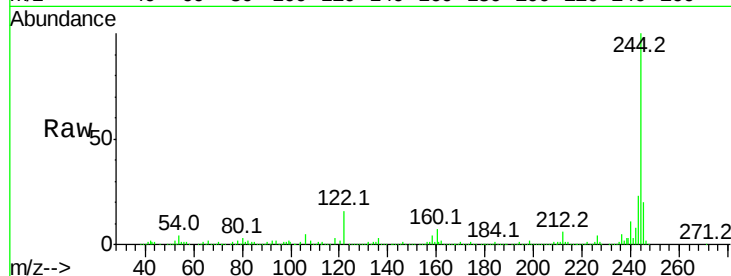
Tot Ion:244 Resp: 637202

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

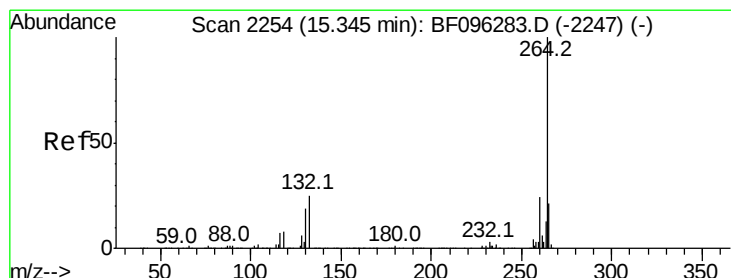
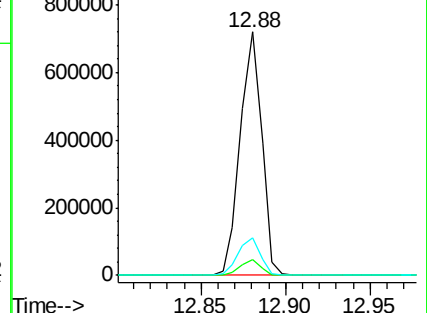
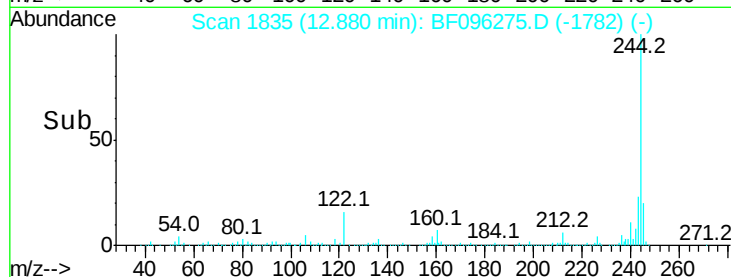
122 15.6 10.3 15.5#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

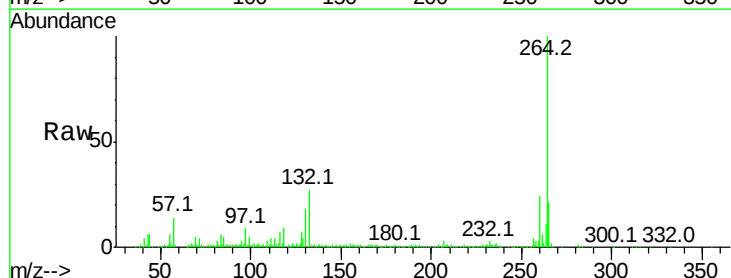
Tgt Ion:264 Resp: 206741

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.0 17.2 25.8



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

