

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030617\
 Data File : BF093406.D
 Acq On : 6 Mar 2017 17:45
 Operator : SJ/MA
 Sample : I2061-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-3

Quant Time: Mar 07 00:21:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 00:03:56 2017
 Response via : Initial Calibration

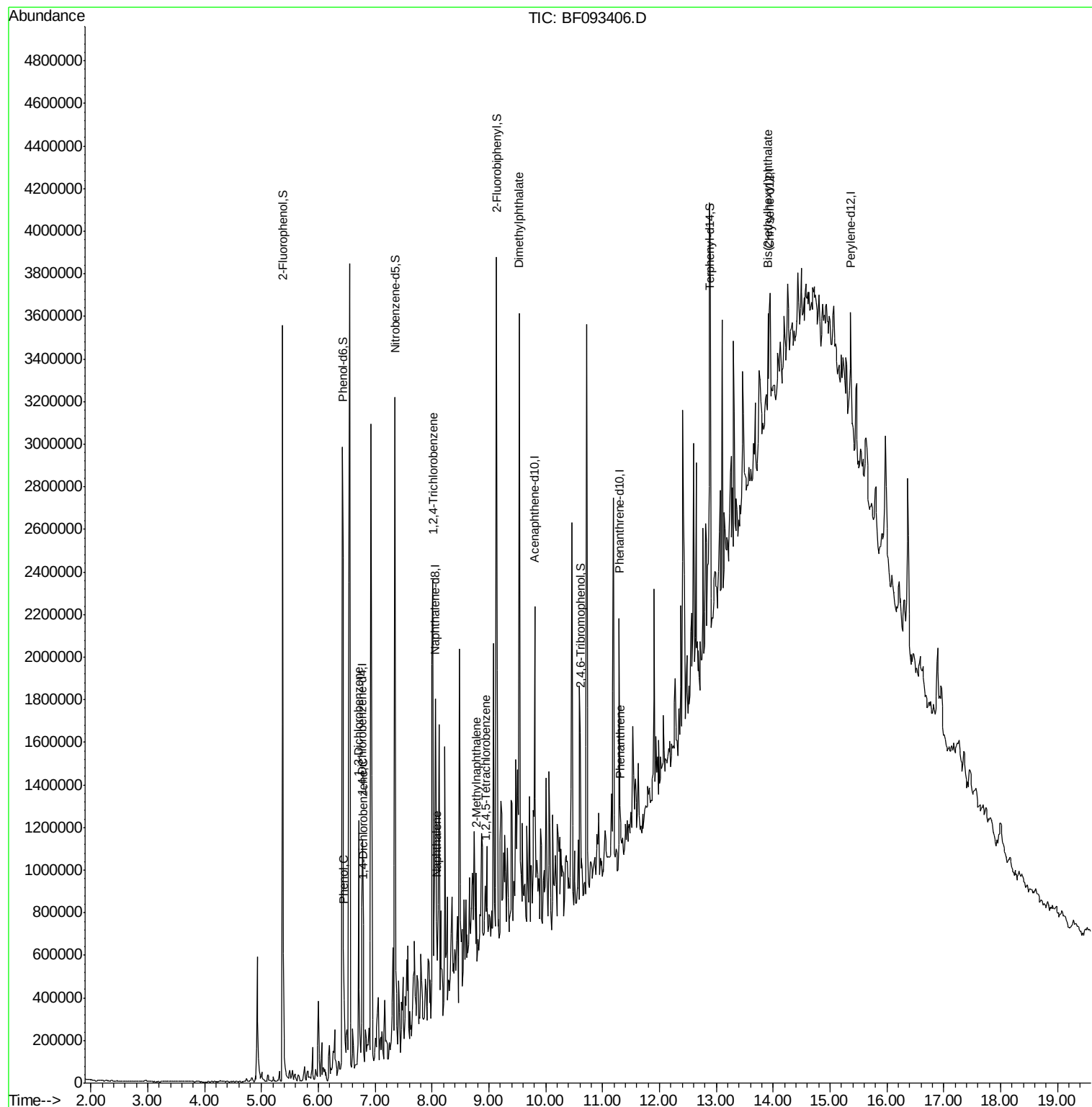
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	172826	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	634656	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	250486	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	375569	20.00	ng	0.00
75) Chrysene-d12	13.95	240	295275	20.00	ng	0.00
86) Perylene-d12	15.36	264	299317	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1199705	119.09	ng	0.02
7) Phenol-d6	6.42	99	1556535	120.09	ng	0.00
23) Nitrobenzene-d5	7.35	82	967264	84.87	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	170226	93.96	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1200741	86.85	ng	0.00
78) Terphenyl-d14	12.88	244	662733	52.74	ng	0.00
Target Compounds						
10) Phenol	6.45	94	91763	6.05	ng	# 76
12) 1,3-Dichlorobenzene	6.71	146	247795	19.04	ng	# 91
13) 1,4-Dichlorobenzene	6.79	146	45569	3.46	ng	98
30) 1,2,4-Trichlorobenzene	8.01	180	495812	50.50	ng	99
31) Naphthalene	8.08	128	74398	2.31	ng	# 90
37) 2-Methylnaphthalene	8.78	142	139466	6.75	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	19989	2.84	ng	# 90
49) Dimethylphthalate	9.53	163	239530	14.20	ng	99
70) Phenanthrene	11.32	178	67702	3.15	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.91	149	174111	14.19	ng	# 95

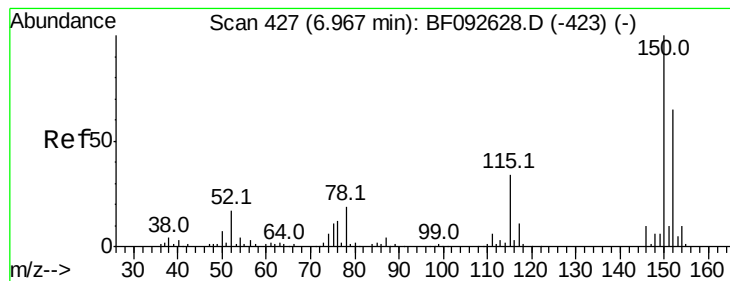
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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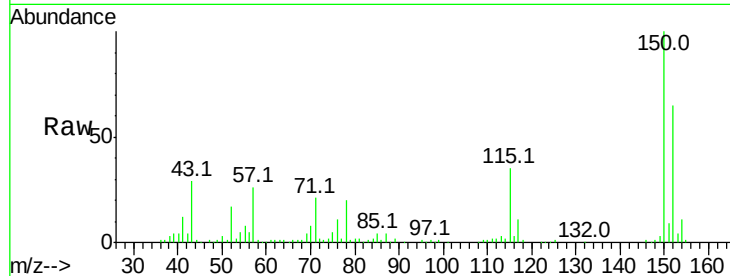




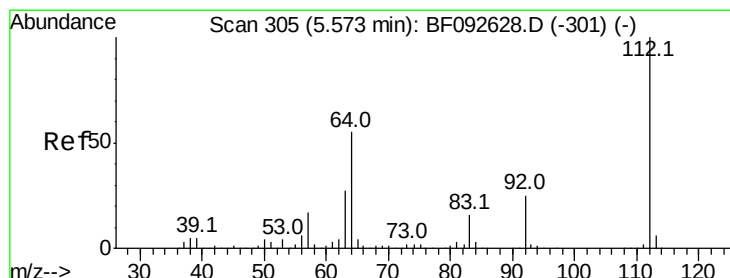
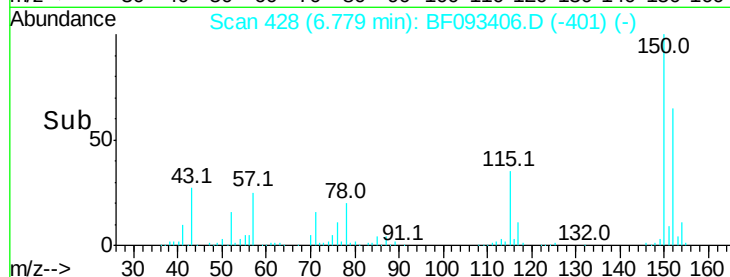
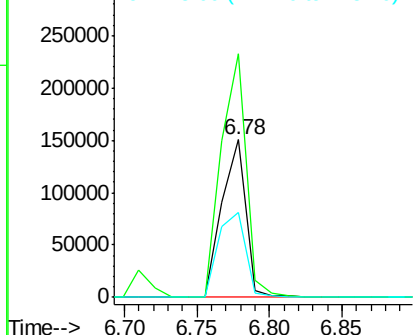
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: BF093406.D
 Acq: 6 Mar 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-3

Tot Ion:152 Resp: 172826
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.9 187.3
 115 53.9 46.0 69.0

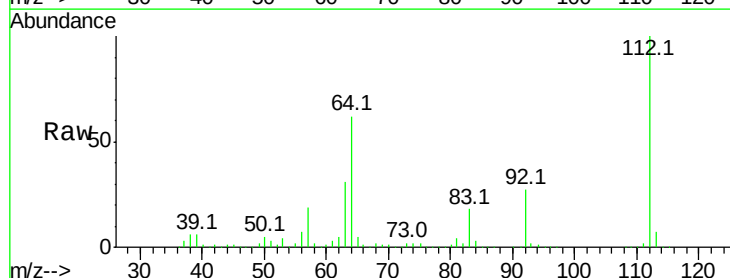


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

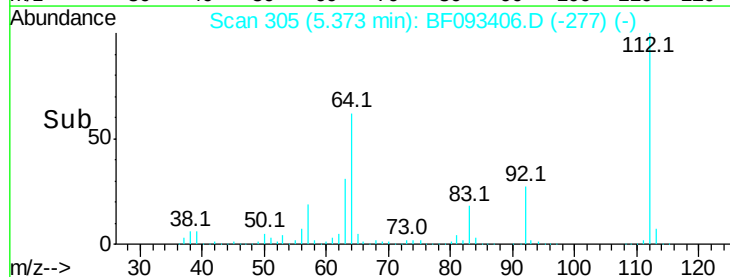
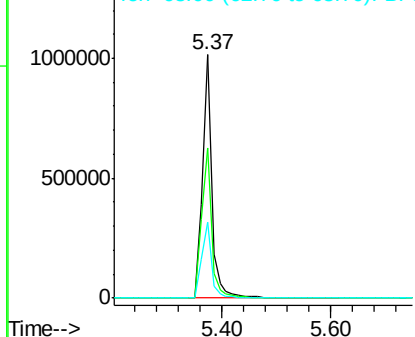


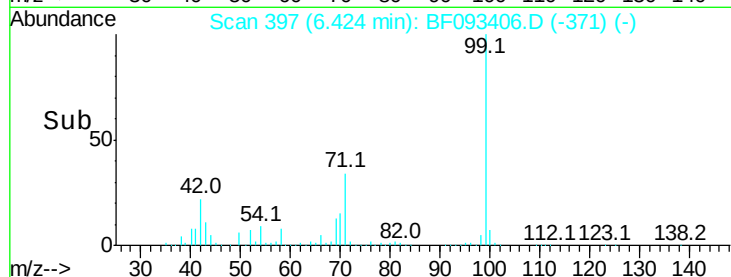
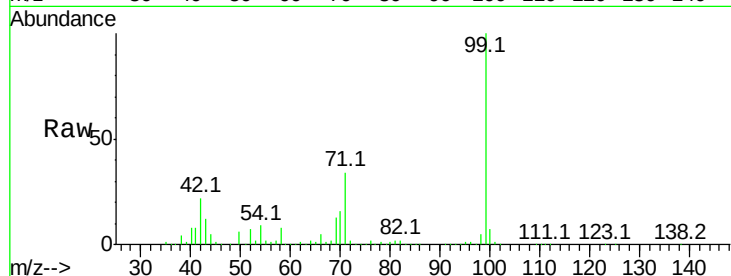
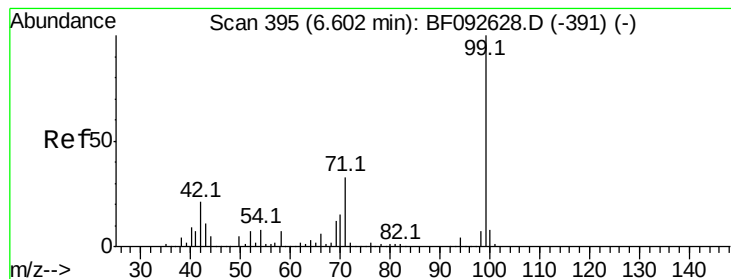
#5
 2-Fluorophenol
 Concen: 119.09 ng
 RT: 5.37 min Scan# 305
 Delta R.T. 0.02 min
 Lab File: BF093406.D
 Acq: 6 Mar 2017 17:45

Tgt Ion:112 Resp: 1199705
 Ion Ratio Lower Upper
 112 100
 64 61.8 46.1 69.1
 63 30.9 23.8 35.6



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: 120.09 ng

RT: 6.42 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

Instrument :

BNA_F

ClientSampleId :

IMPACT-3

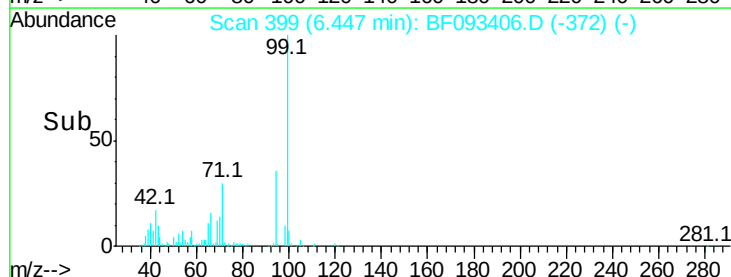
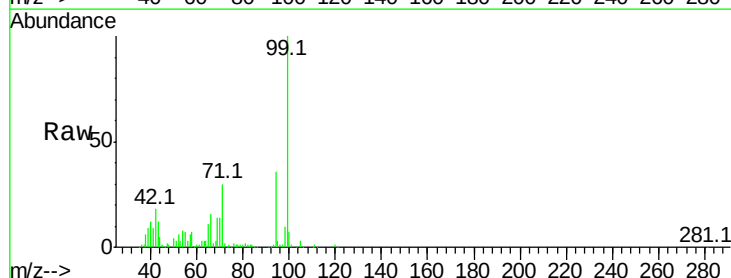
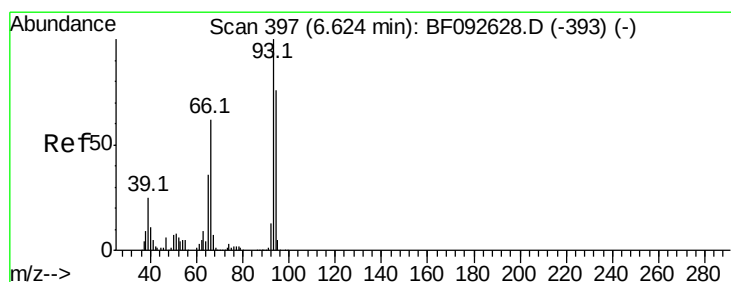
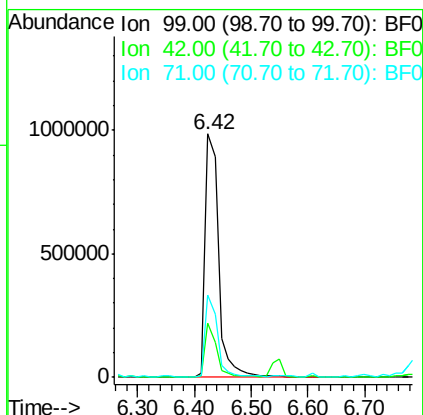
Tot Ion: 99 Resp: 1556535

Ion Ratio Lower Upper

99 100

42 22.4 15.6 23.4

71 33.7 27.5 41.3



#10

Phenol

Concen: 6.05 ng

RT: 6.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

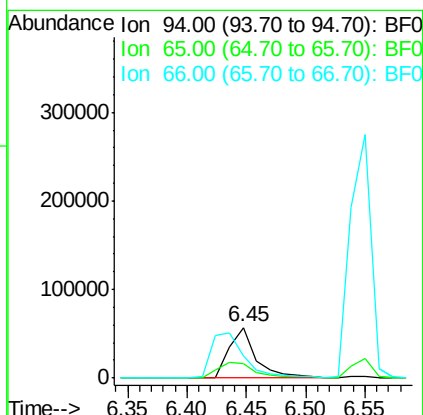
Tgt Ion: 94 Resp: 91763

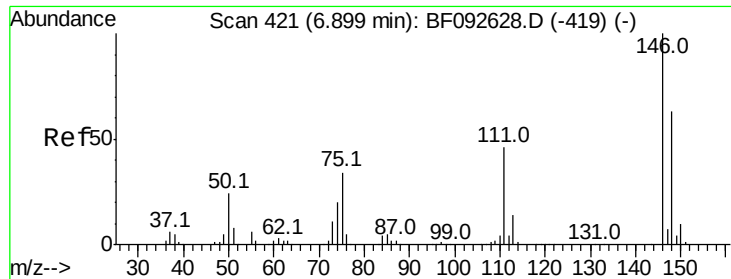
Ion Ratio Lower Upper

94 100

65 28.8 21.4 61.4

66 43.5 44.0 84.0#





#12

1,3-Dichlorobenzene

Concen: 19.04 ng

RT: 6.71 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

Instrument :

BNA_F

ClientSampleId :

IMPACT-3

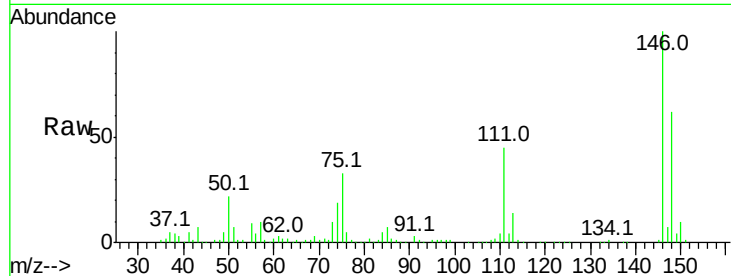
Tot Ion:146 Resp: 247795

Ion Ratio Lower Upper

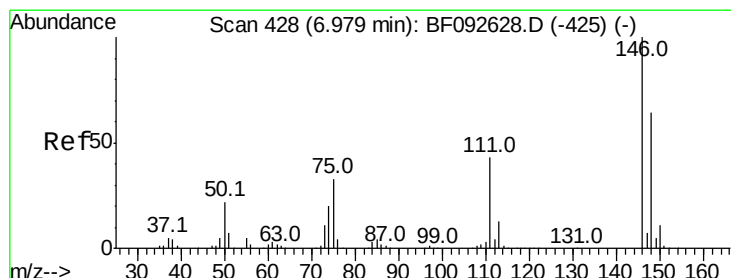
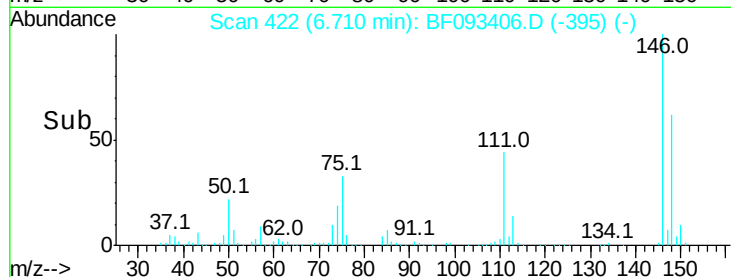
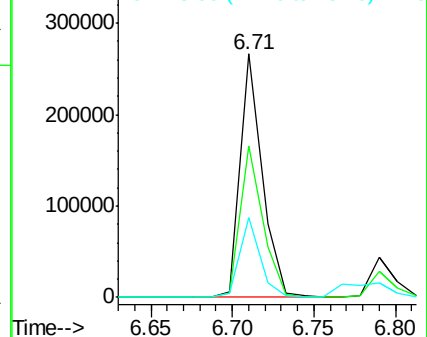
146 100

148 62.3 53.4 80.0

75 32.9 18.5 27.7#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 3.46 ng

RT: 6.79 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

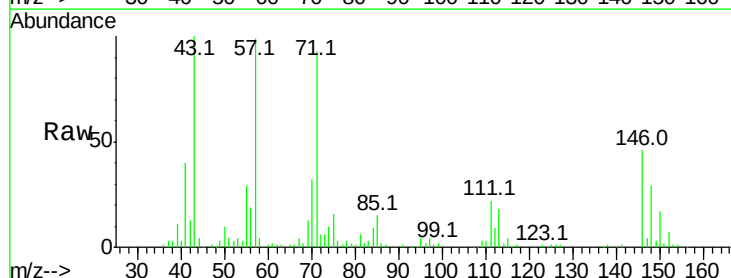
Tgt Ion:146 Resp: 45569

Ion Ratio Lower Upper

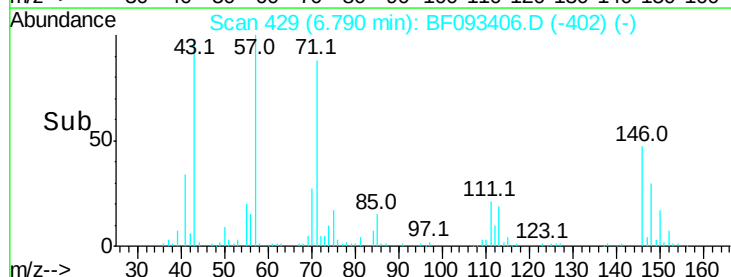
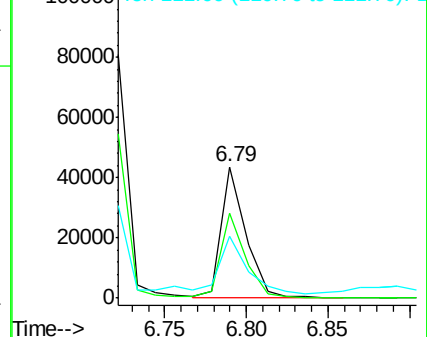
146 100

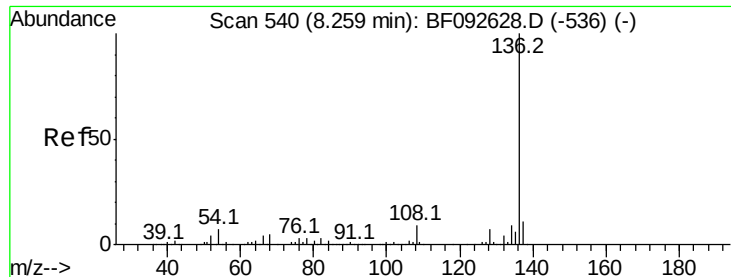
148 64.4 50.6 76.0

111 47.2 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

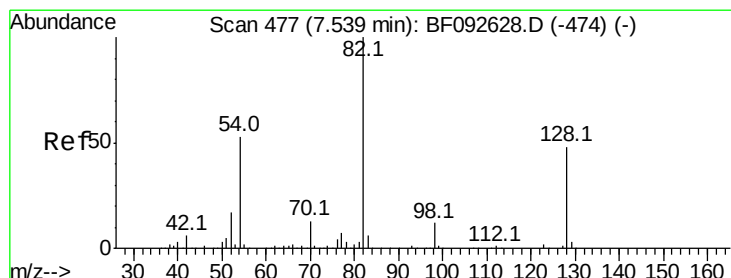
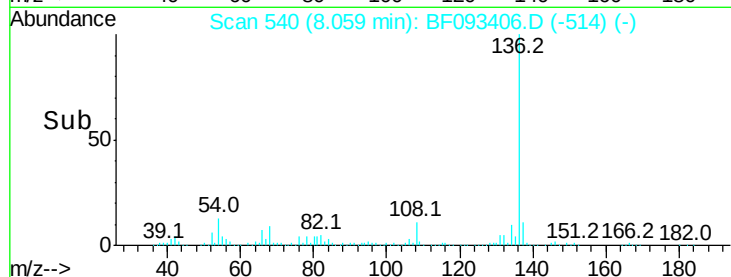
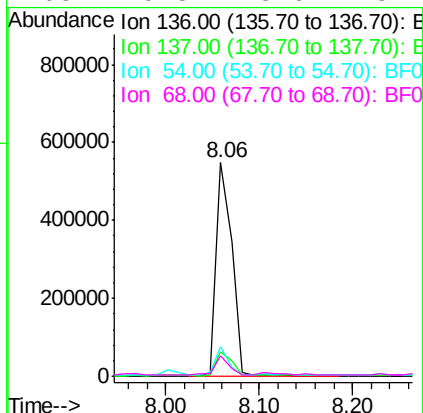
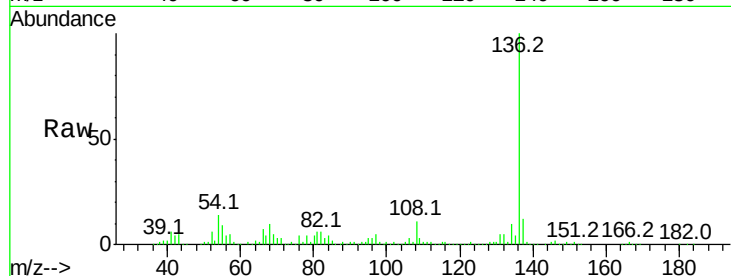




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

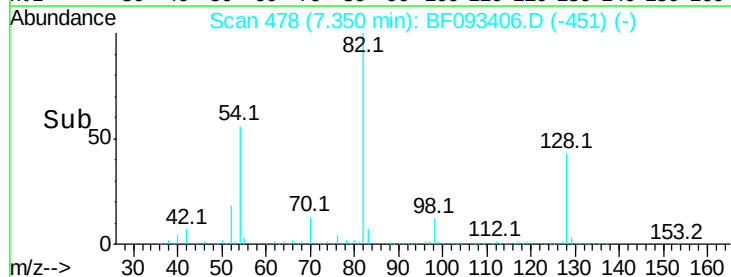
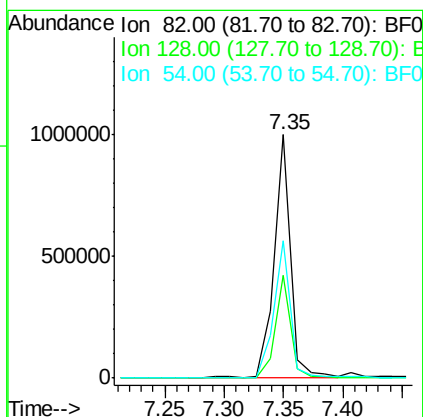
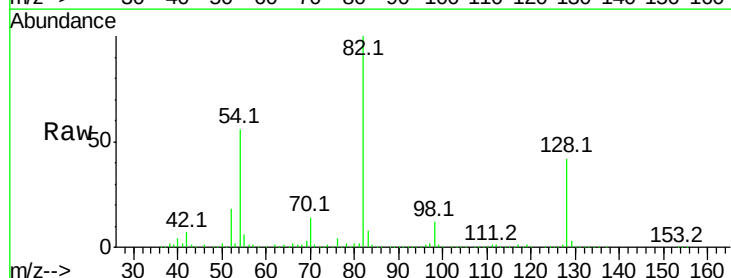
Instrument :
BNA_F
ClientSampleId :
IMPACT-3

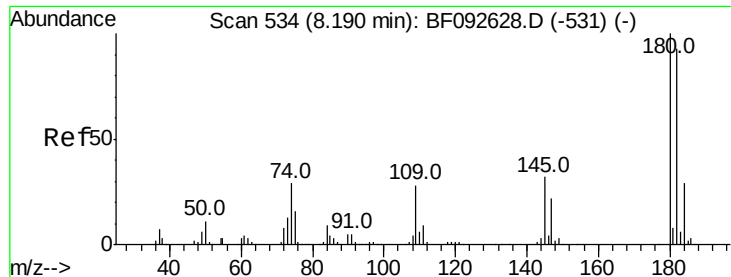
Tot Ion:136	Resp:	634656
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.4 12.6
54	13.8	4.5 6.7#
68	9.8	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 84.87 ng
RT: 7.35 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

Tgt Ion: 82	Resp:	967264
Ion	Ratio	Lower Upper
82	100	
128	42.4	34.6 52.0
54	56.5	39.5 59.3

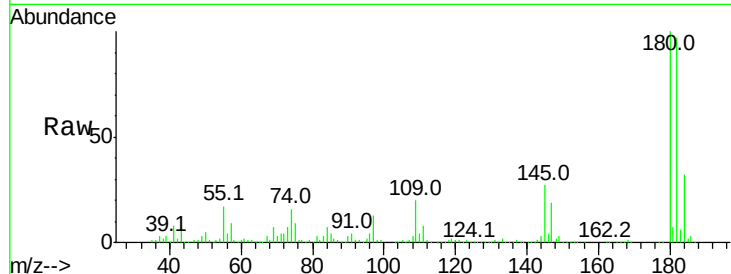




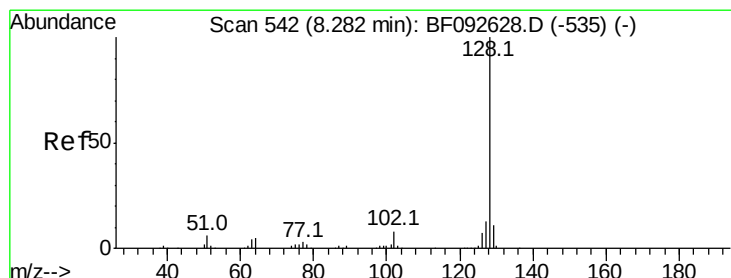
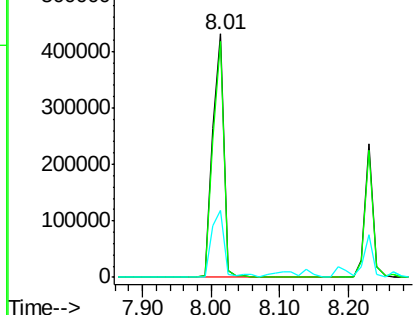
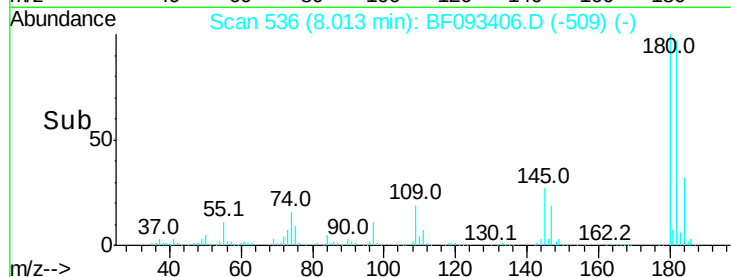
#30
 1,2,4-Trichlorobenzene
 Concen: 50.50 ng
 RT: 8.01 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: BF093406.D
 Acq: 6 Mar 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-3

Tot Ion:180 Resp: 495812
 Ion Ratio Lower Upper
 180 100
 182 97.1 78.2 117.4
 145 27.3 21.6 32.4

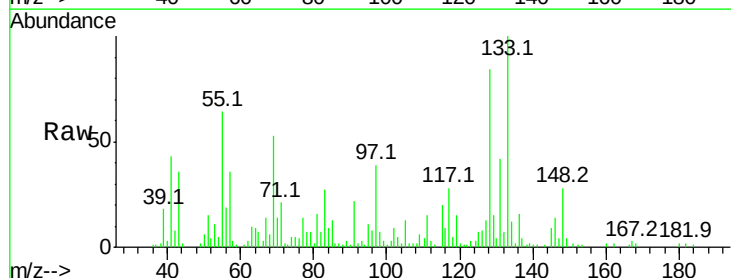


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

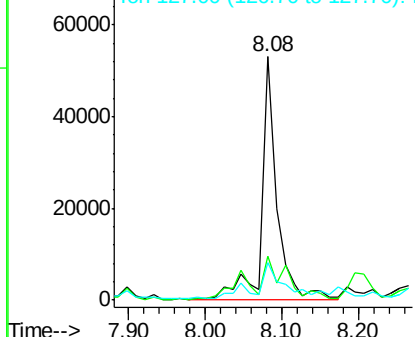
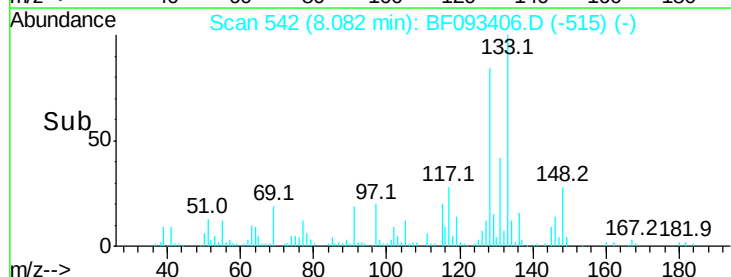


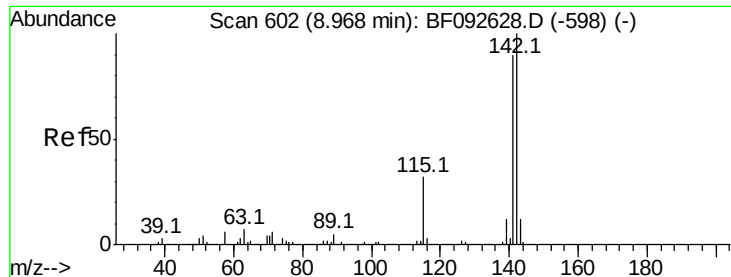
#31
 Naphthalene
 Concen: 2.31 ng
 RT: 8.08 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: BF093406.D
 Acq: 6 Mar 2017 17:45

Tgt Ion:128 Resp: 74398
 Ion Ratio Lower Upper
 128 100
 129 18.3 9.5 14.3#
 127 15.5 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

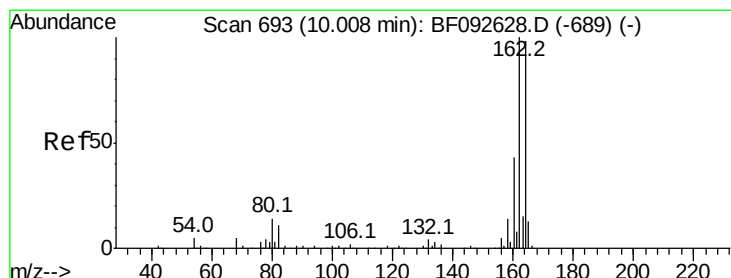
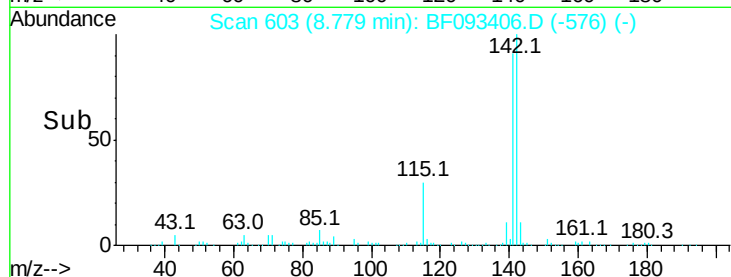
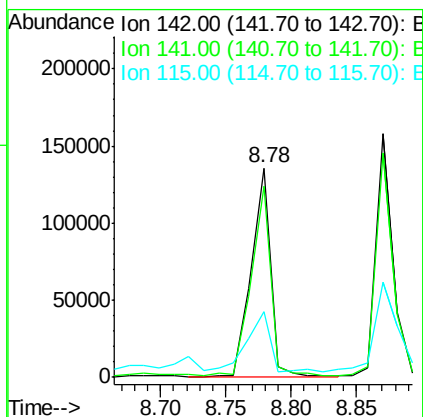
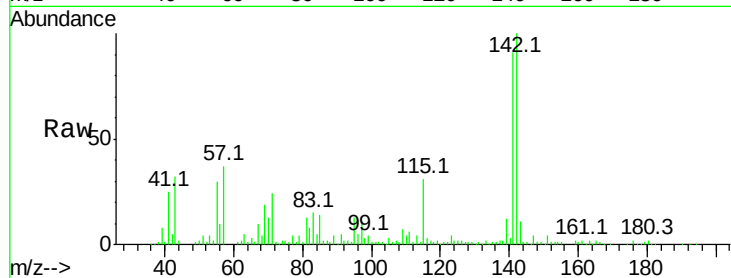




#37
2-Methylnaphthalene
Concen: 6.75 ng
RT: 8.78 min Scan# 603
Delta R.T. 0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

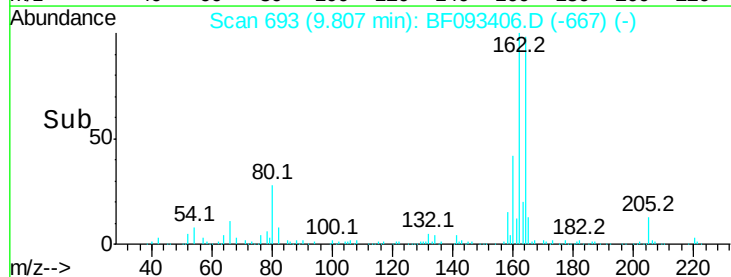
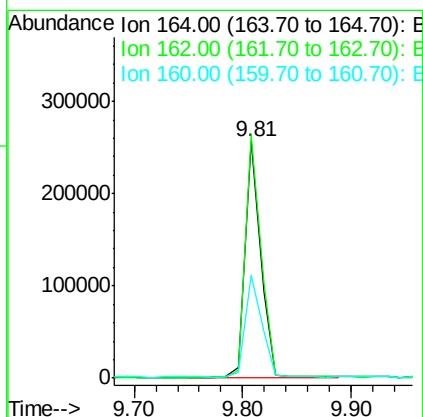
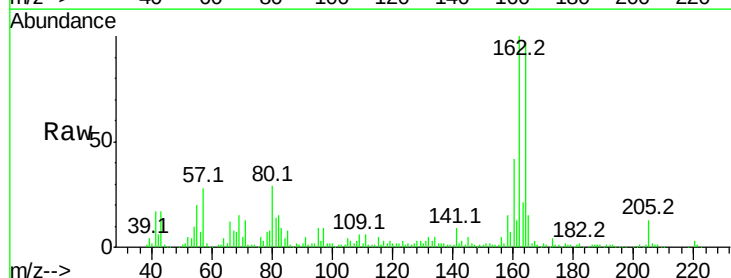
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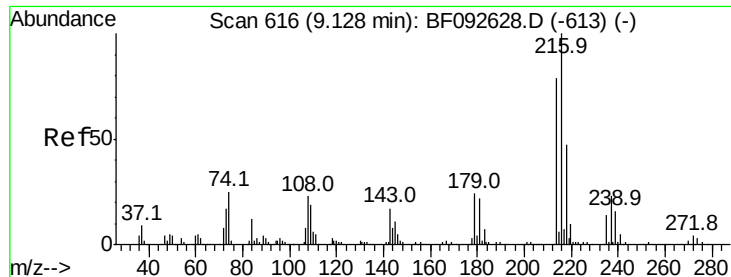
Tot Ion:142 Resp: 139466
Ion Ratio Lower Upper
142 100
141 91.2 71.0 106.6
115 31.4 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

Tgt Ion:164 Resp: 250486
Ion Ratio Lower Upper
164 100
162 102.9 80.2 120.2
160 43.4 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.84 ng

RT: 8.94 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

Instrument :

BNA_F

ClientSampleId :

IMPACT-3

Tot Ion:216 Resp: 19989

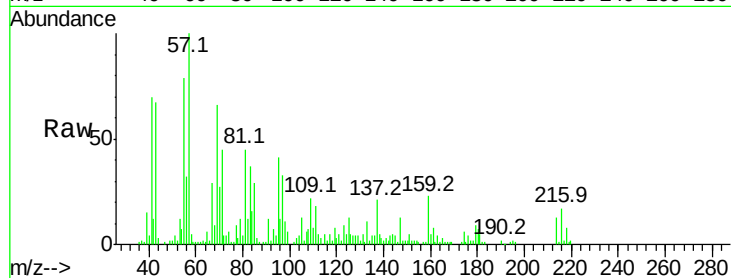
Ion Ratio Lower Upper

216 100

214 76.0 63.4 95.0

179 35.9 17.4 26.2#

108 27.0 15.6 23.4#

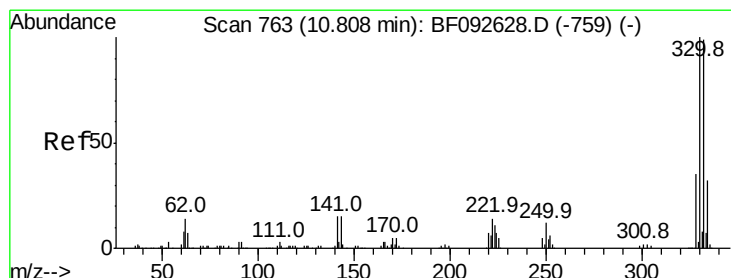
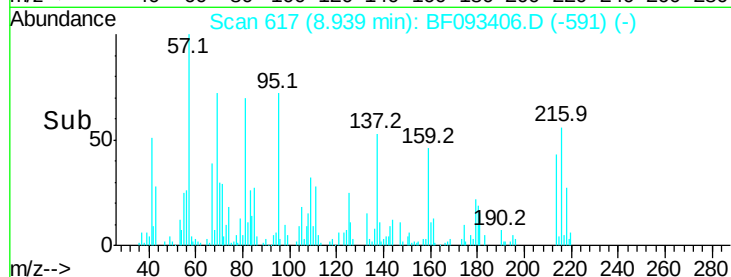
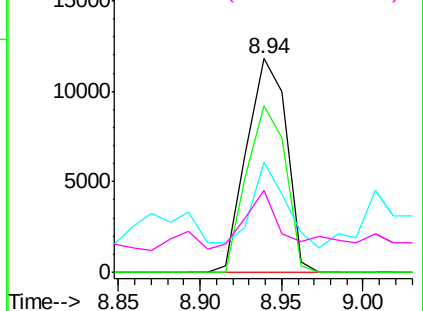


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

2,4,6-Tribromophenol

Concen: 93.96 ng

RT: 10.61 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

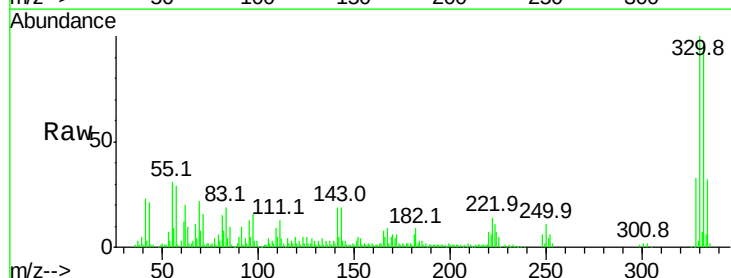
Tgt Ion:330 Resp: 170226

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

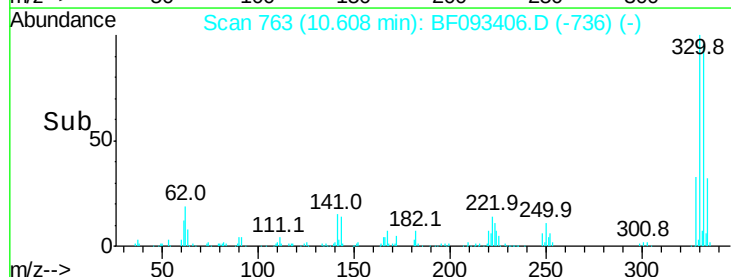
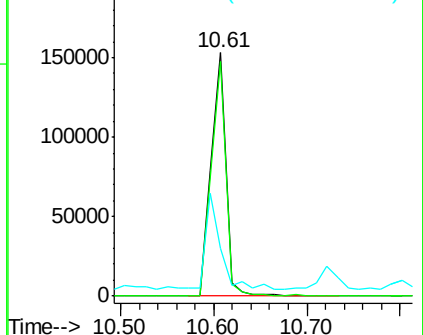
141 41.6 34.1 51.1

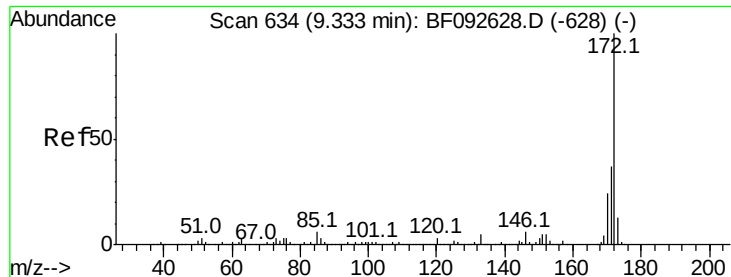


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

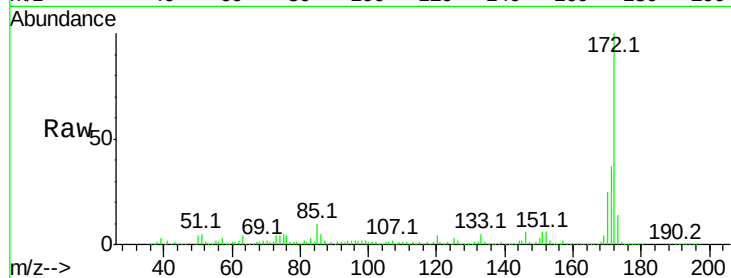




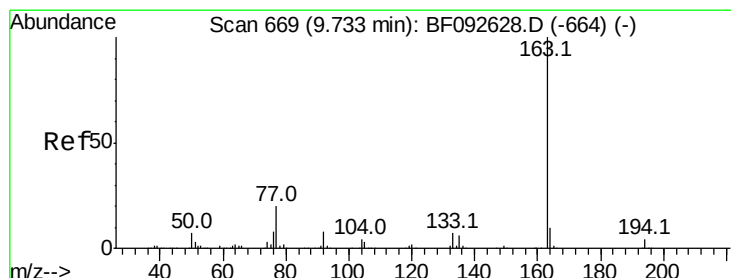
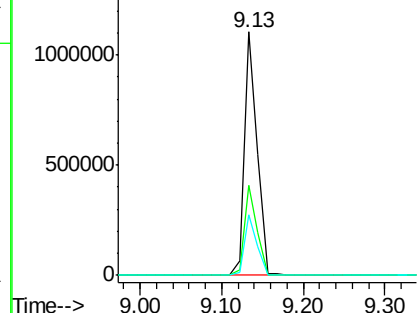
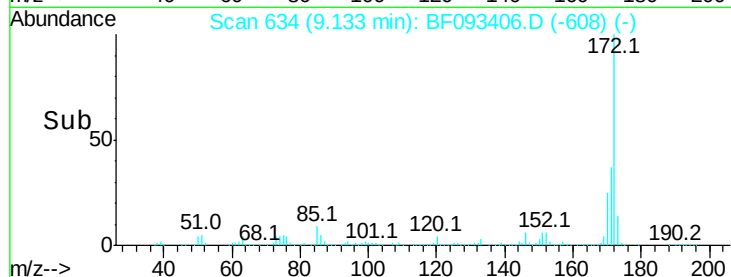
#44
2-Fluorobiphenyl
Concen: 86.85 ng
RT: 9.13 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

Instrument :
BNA_F
ClientSampled :
IMPACT-3

Tot Ion:172 Resp: 1200741
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.6 20.2 30.4

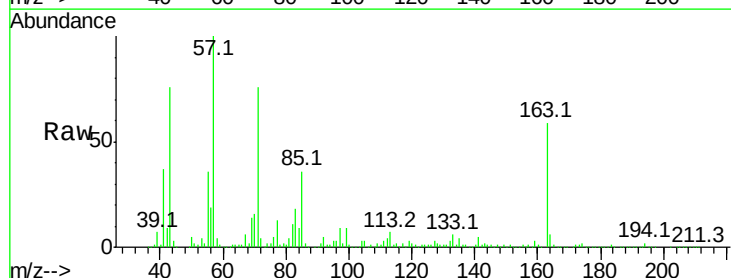


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

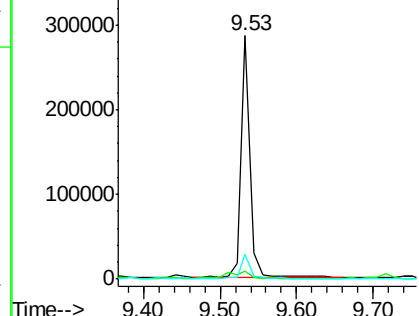
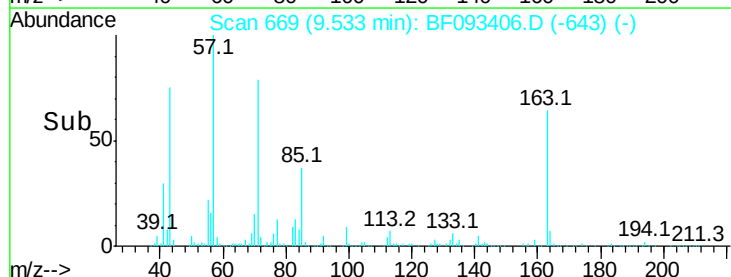


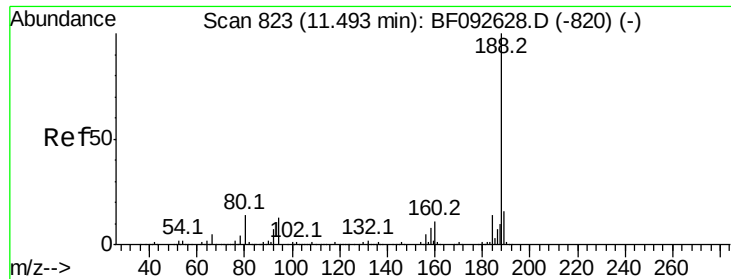
#49
Dimethylphthalate
Concen: 14.20 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

Tgt Ion:163 Resp: 239530
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 10.4 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

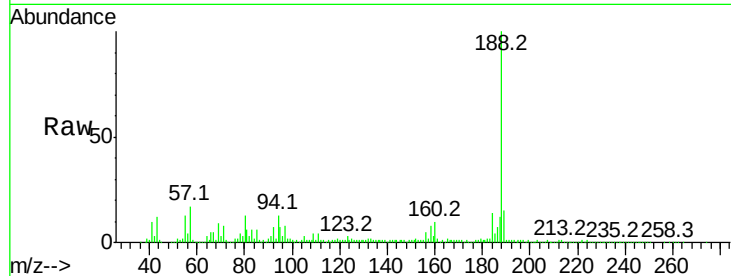




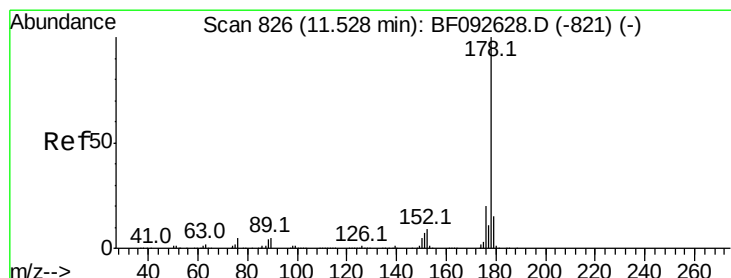
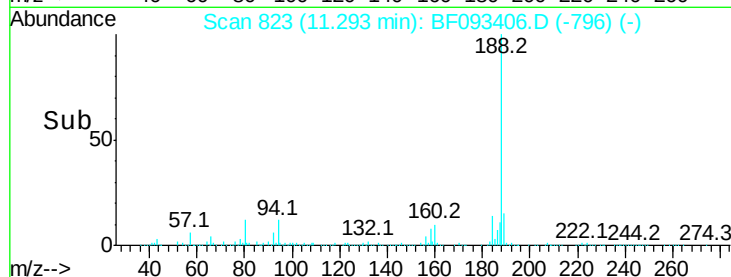
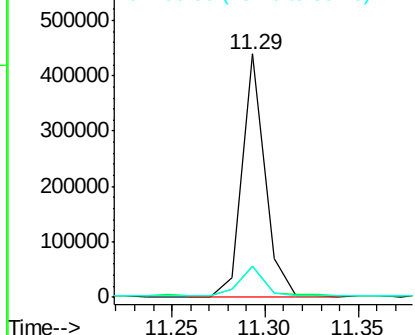
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

Instrument :
BNA_F
ClientSampleId :
IMPACT-3

Tot Ion:188 Resp: 375569
Ion Ratio Lower Upper
188 100
94 12.5 10.0 15.0
80 12.9 11.2 16.8

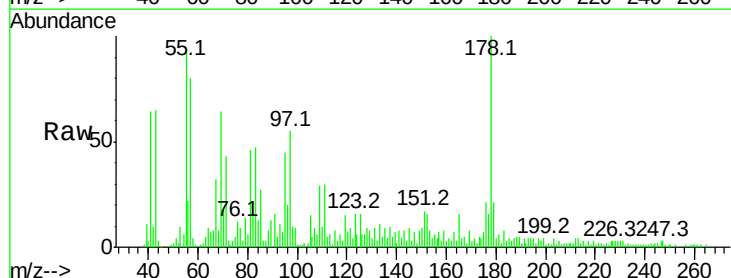


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

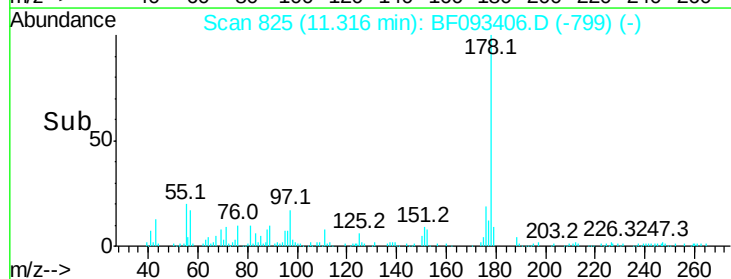
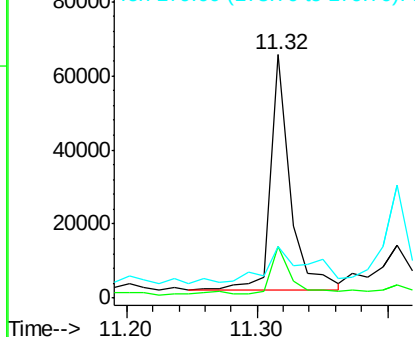


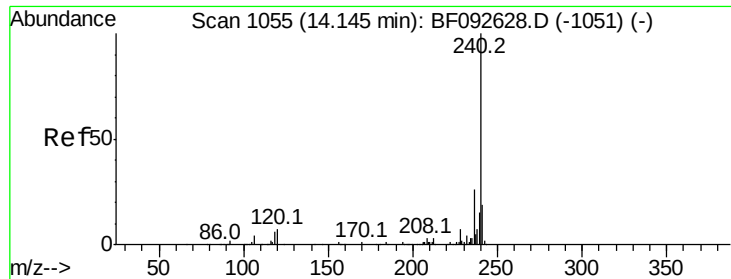
#70
Phenanthrene
Concen: 3.15 ng
RT: 11.32 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF093406.D
Acq: 6 Mar 2017 17:45

Tgt Ion:178 Resp: 67702
Ion Ratio Lower Upper
178 100
176 21.0 16.6 25.0
179 21.4 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

Instrument :

BNA_F

ClientSampleId :

IMPACT-3

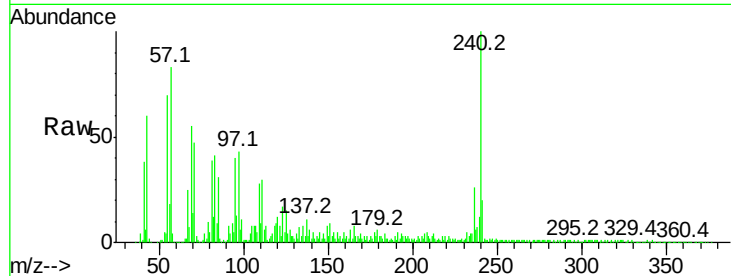
Tot Ion:240 Resp: 295275

Ion Ratio Lower Upper

240 100

120 11.5 12.9 19.3#

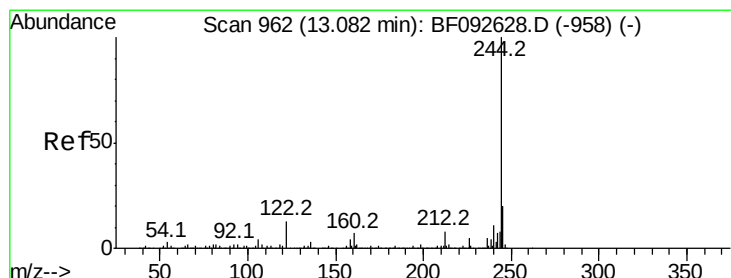
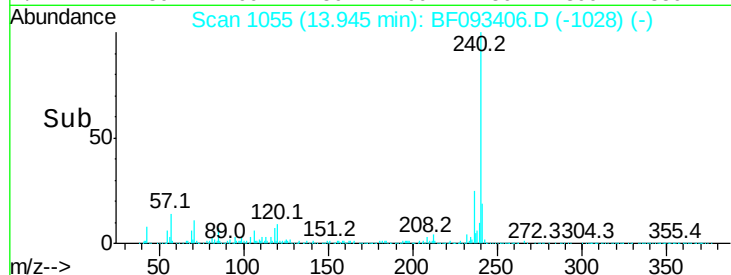
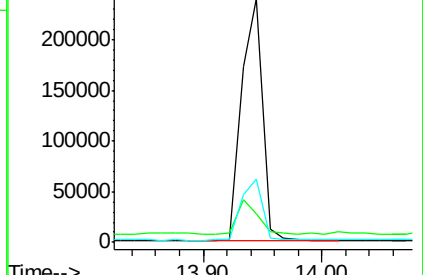
236 25.9 20.9 31.3



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



#78

Terphenyl-d14

Concen: 52.74 ng

RT: 12.88 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

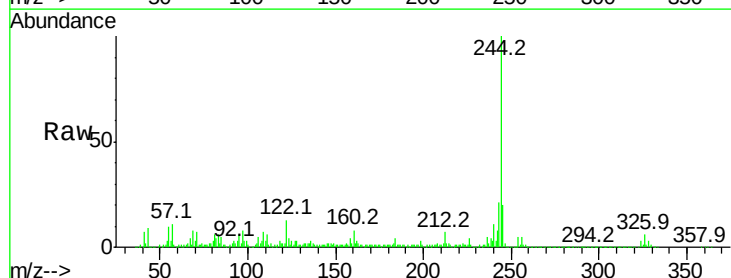
Tgt Ion:244 Resp: 662733

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

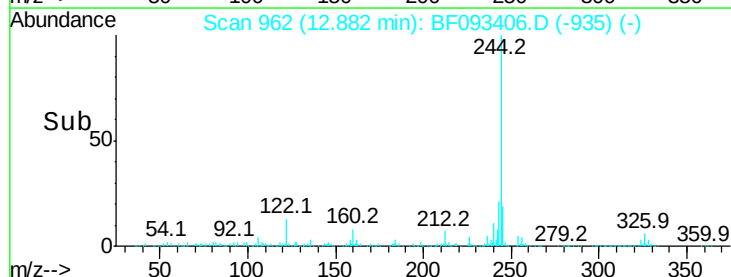
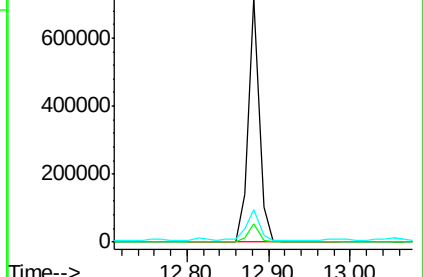
122 13.5 11.4 17.2

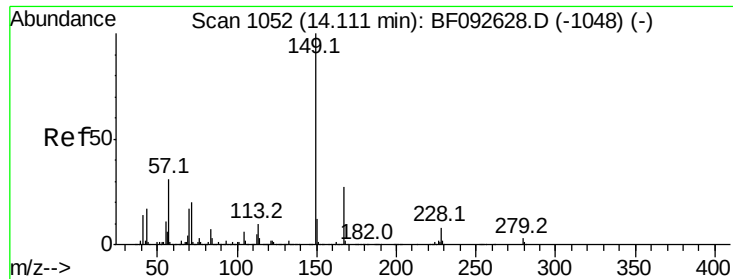


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 14.19 ng

RT: 13.91 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

Instrument :

BNA_F

ClientSampleId :

IMPACT-3

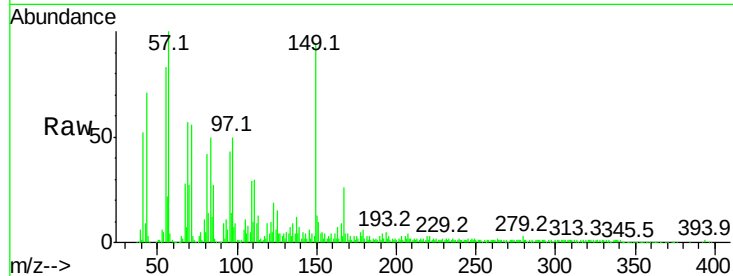
Tot Ion:149 Resp: 174111

Ion Ratio Lower Upper

149 100

167 28.1 20.2 30.4

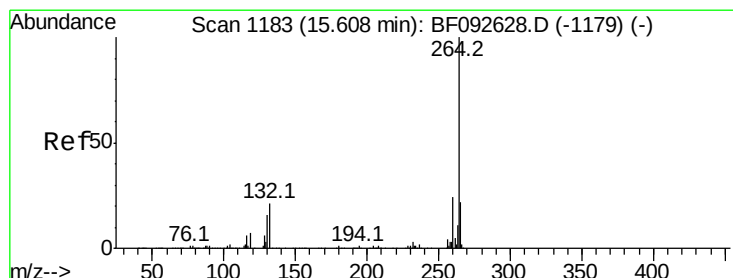
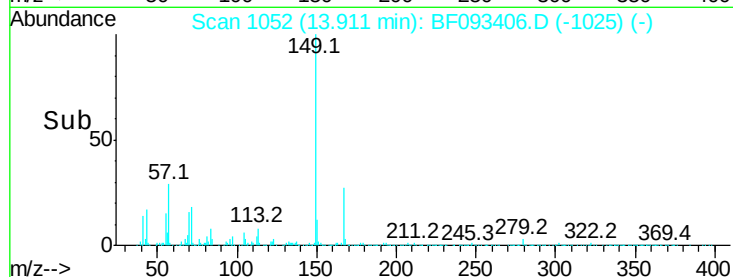
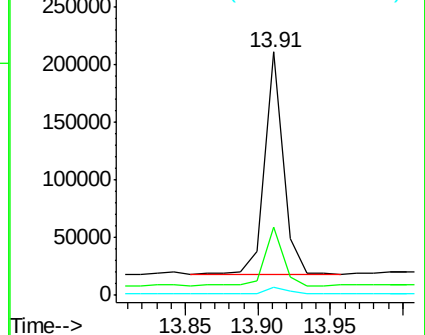
279 3.4 1.8 2.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1179

Delta R.T. 0.02 min

Lab File: BF093406.D

Acq: 6 Mar 2017 17:45

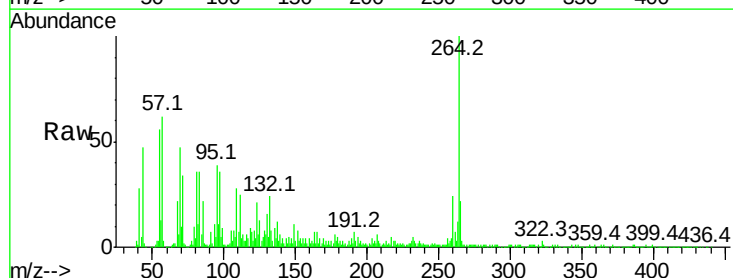
Tgt Ion:264 Resp: 299317

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.9 17.4 26.0



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

