

Data Path : Z:\HPCHEM1\BNA F\Data\BF041117\
 Data File : BF094384.D
 Acq On : 12 Apr 2017 9:59
 Operator : SJ/MA
 Sample : I2622-03DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 11:05:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

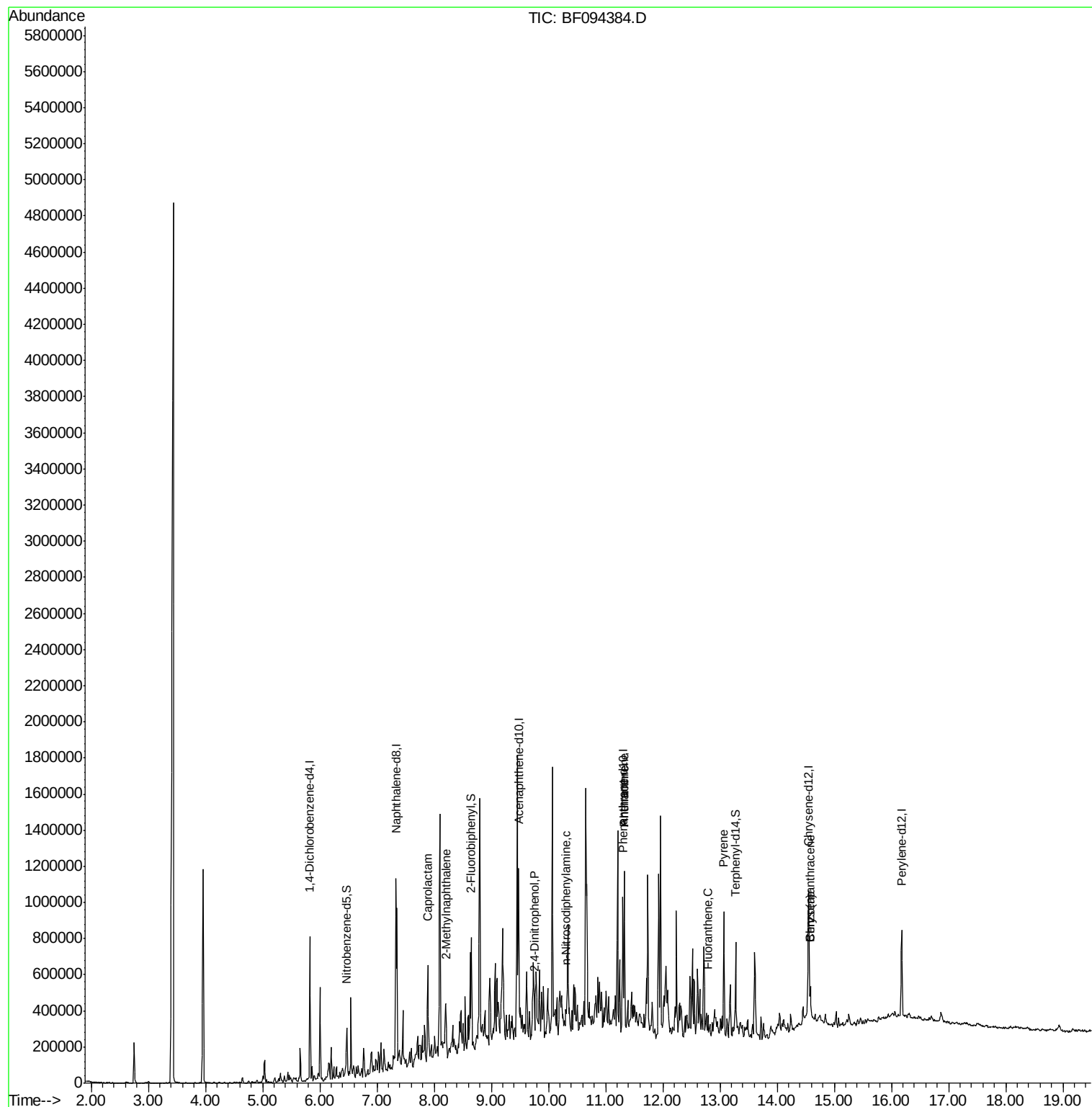
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	121903	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	452795	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	177075	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	292374	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	267937	20.00	ng	-0.02
86) Perylene-d12	16.18	264	193151	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	113	0.02	ng	0.00
7) Phenol-d6	5.43	99	1251	0.14	ng	-0.03
23) Nitrobenzene-d5	6.47	82	89648	11.30	ng	-0.04
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.65	172	200028	17.23	ng	-0.04
78) Terphenyl-d14	13.27	244	149629	12.52	ng	-0.02
Target Compounds						
35) Caprolactam	7.89	113	12781	6.67	ng	# 41
37) 2-Methylnaphthalene	8.20	142	68997	4.75	ng	96
53) 2,4-Dinitrophenol	9.76	184	229	4.80	ng	# 31
65) n-Nitrosodiphenylamine	10.30	169	30338	3.00	ng	# 45
70) Phenanthrene	11.33	178	368526	22.66	ng	98
71) Anthracene	11.33	178	368526	22.01	ng	99
74) Fluoranthene	12.79	202	64537	3.88	ng	99
77) Pyrene	13.07	202	300690	15.46	ng	99
80) Benzo(a)anthracene	14.58	228	68368	4.38	ng	95
82) Chrysene	14.58	228	68368	4.72	ng	# 95

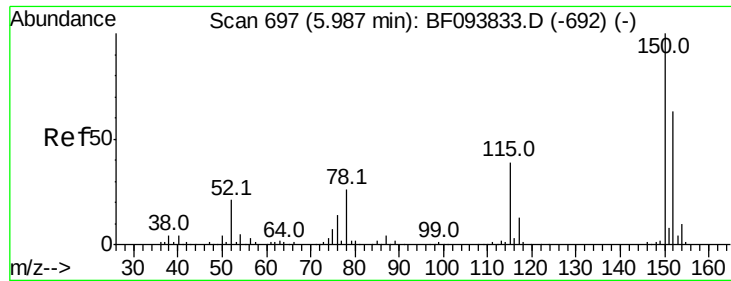
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.83 min Scan# 670

Delta R.T. -0.03 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

ClientSampled :

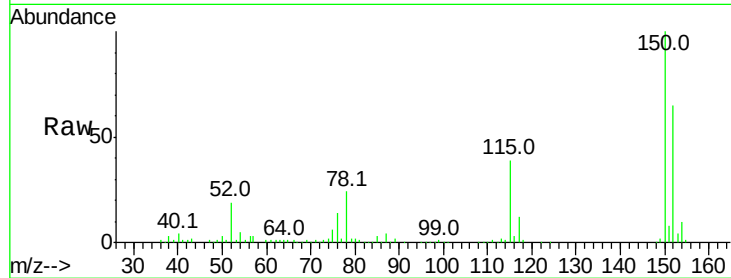
Tot Ion:152 Resp: 121903

Ion Ratio Lower Upper

152 100

150 154.5 126.2 189.2

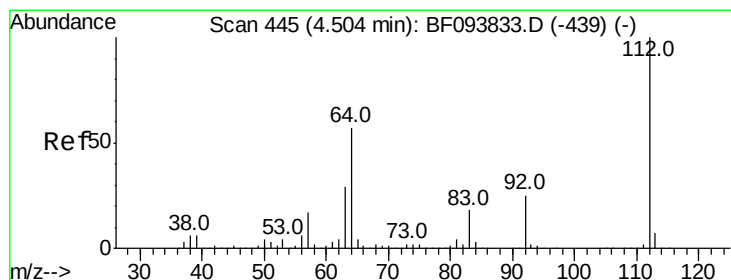
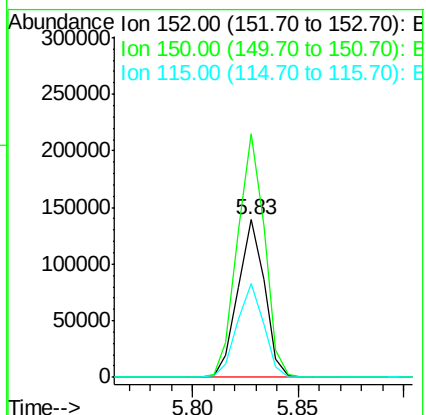
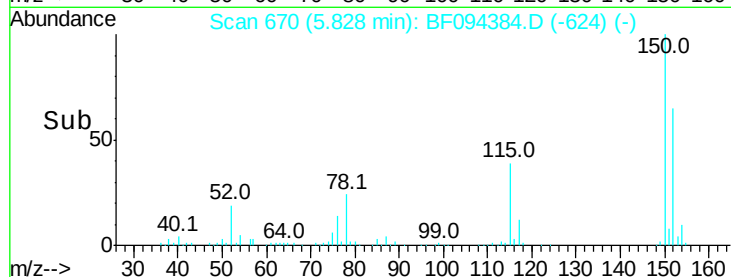
115 59.9 52.2 78.2



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: 0.02 ng

RT: 4.39 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

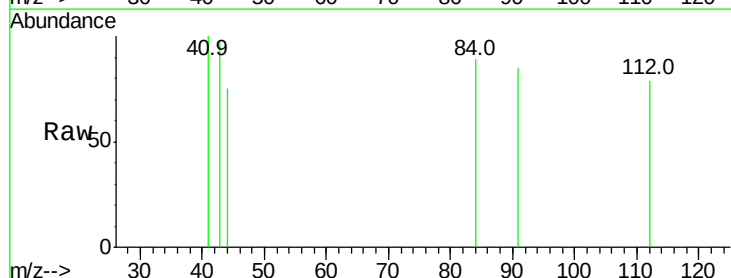
Tgt Ion:112 Resp: 113

Ion Ratio Lower Upper

112 100

64 0.0 46.0 69.0#

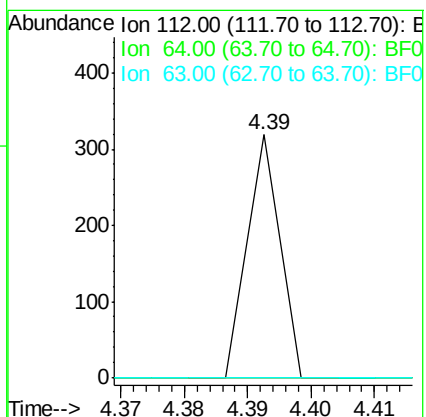
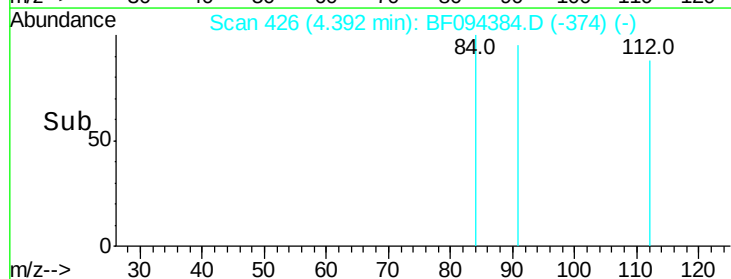
63 0.0 23.4 35.0#

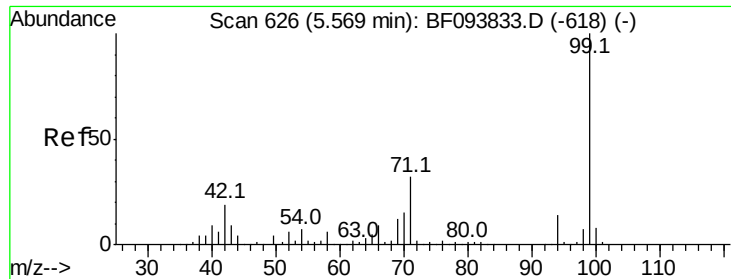


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.14 ng

RT: 5.43 min Scan# 603

Delta R.T. -0.03 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

ClientSampleId :

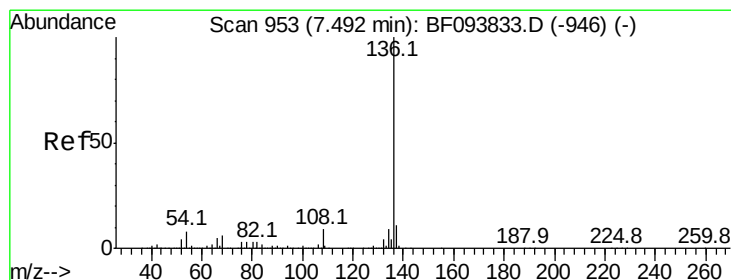
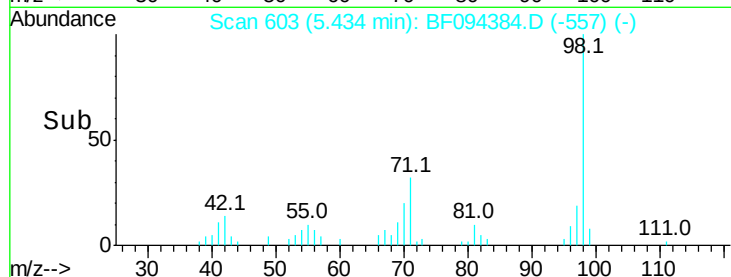
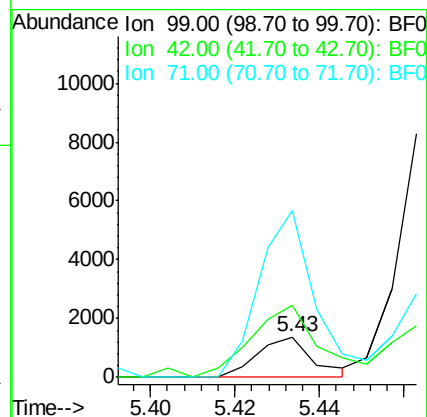
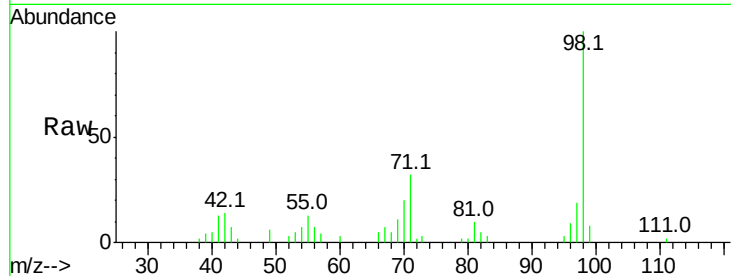
Tot Ion: 99 Resp: 1251

Ion Ratio Lower Upper

99 100

42 178.4 13.5 20.3#

71 414.8 24.5 36.7#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 926

Delta R.T. -0.03 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Tgt Ion: 136 Resp: 452795

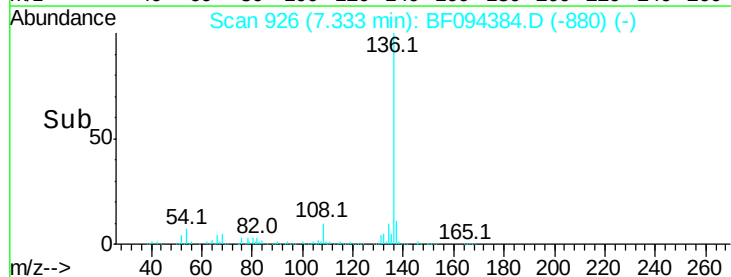
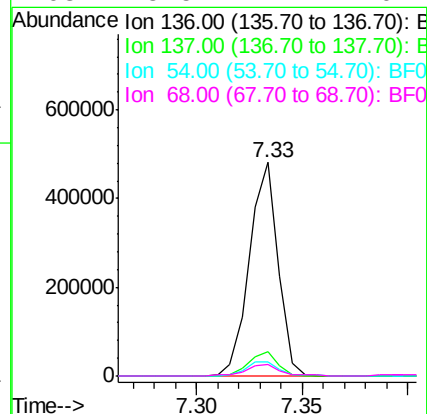
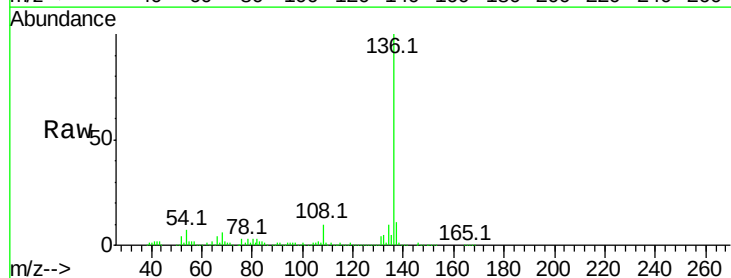
Ion Ratio Lower Upper

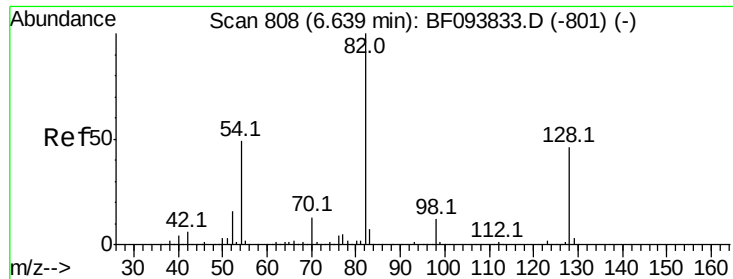
136 100

137 11.4 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

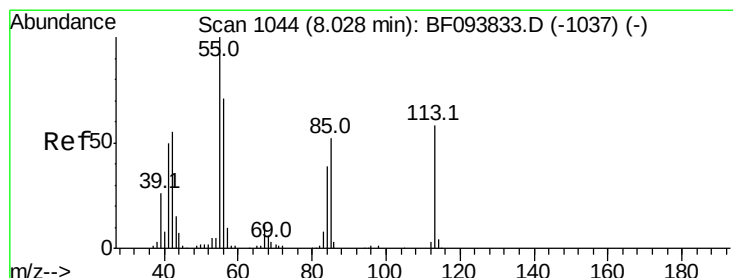
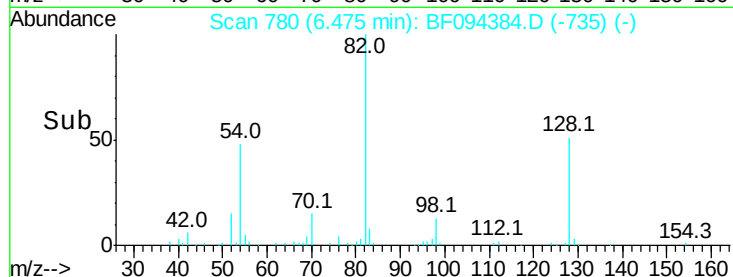
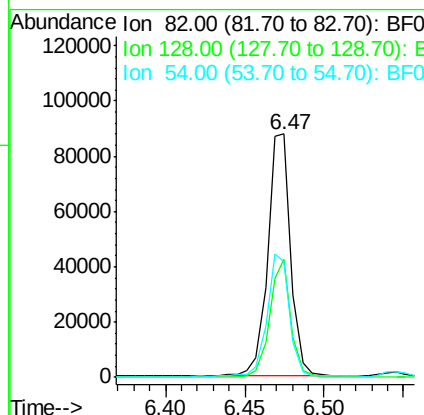
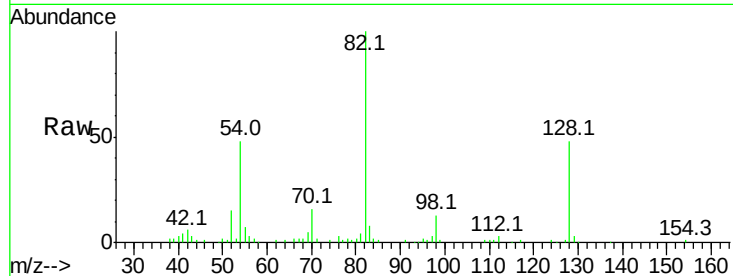




#23
Nitrobenzene-d5
Concen: 11.30 ng
RT: 6.47 min Scan# 780
Delta R.T. -0.04 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

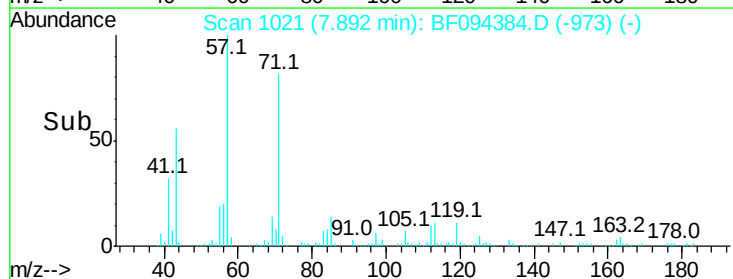
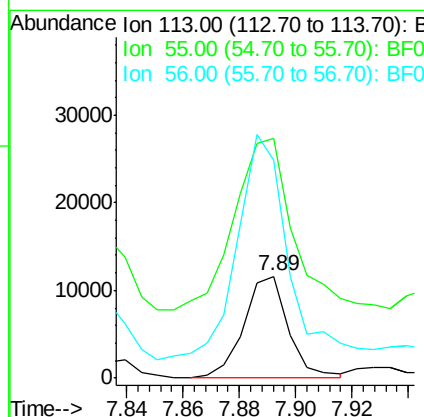
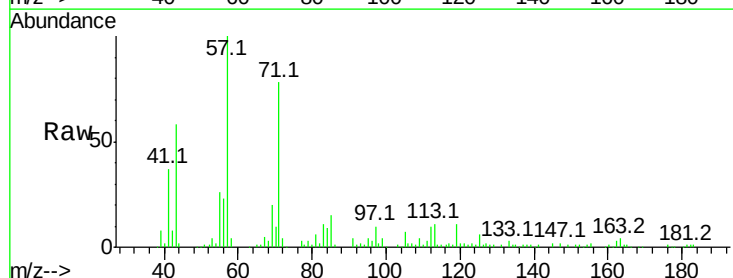
Instrument :
BNA_F
ClientSampled :

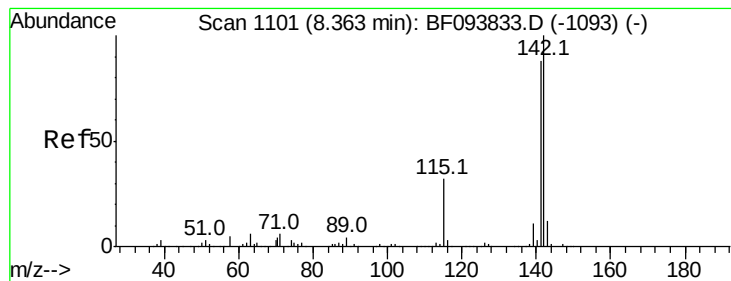
Tot Ion	82	Resp	89648
Ion Ratio	100	Lower	Upper
128	48.4	34.0	51.0
54	47.6	42.2	63.2



#35
Caprolactam
Concen: 6.67 ng
RT: 7.89 min Scan# 1021
Delta R.T. -0.02 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	113	Resp	12781
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
55	235.9	150.2	190.2#
56	214.0	107.8	147.8#





#37

2-Methylnaphthalene

Concen: 4.75 ng

RT: 8.20 min Scan# 1074

Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

ClientSampled :

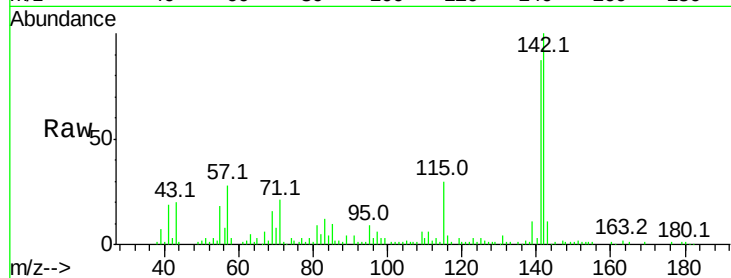
Tot Ion:142 Resp: 68997

Ion Ratio Lower Upper

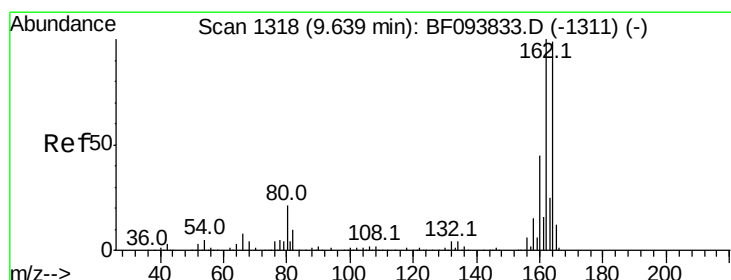
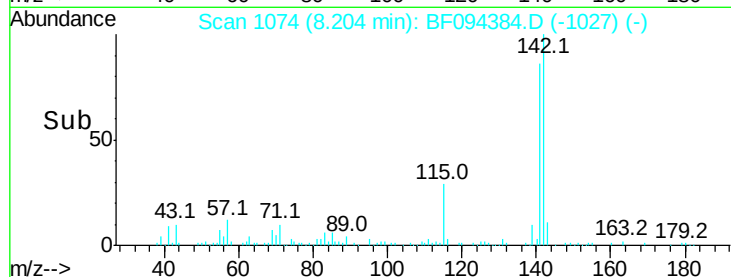
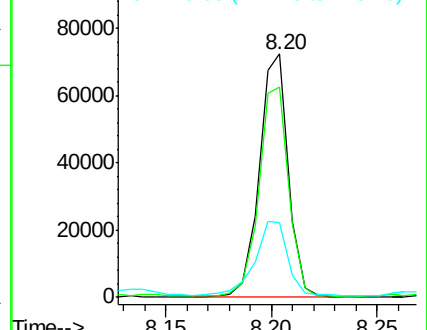
142 100

141 86.6 71.3 106.9

115 30.5 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: 9.47 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

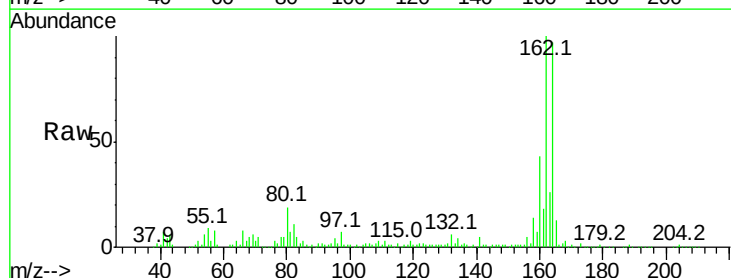
Tgt Ion:164 Resp: 177075

Ion Ratio Lower Upper

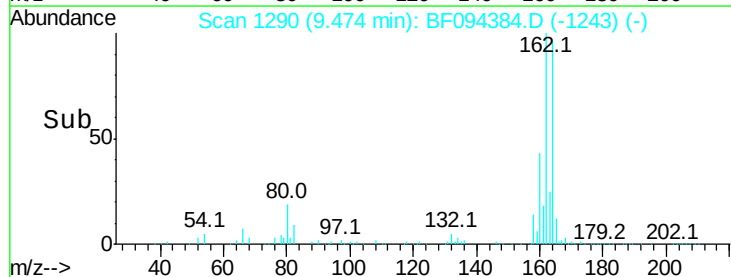
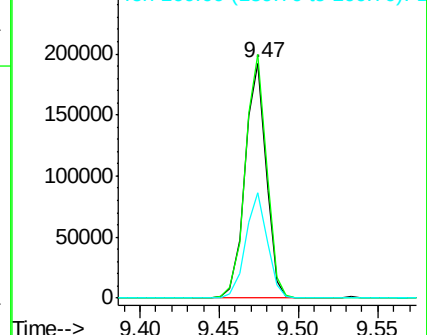
164 100

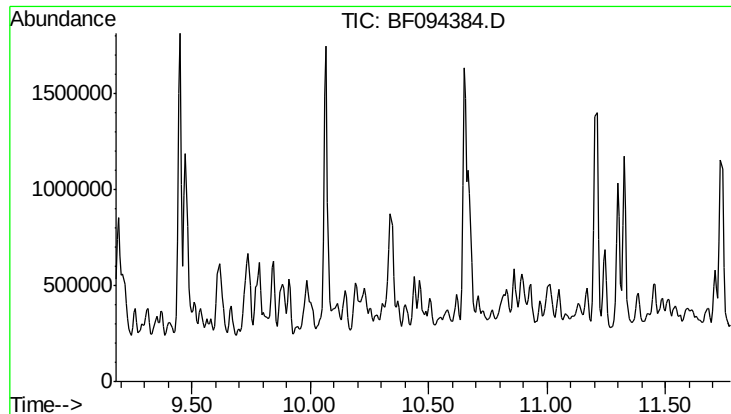
162 103.5 82.6 123.8

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

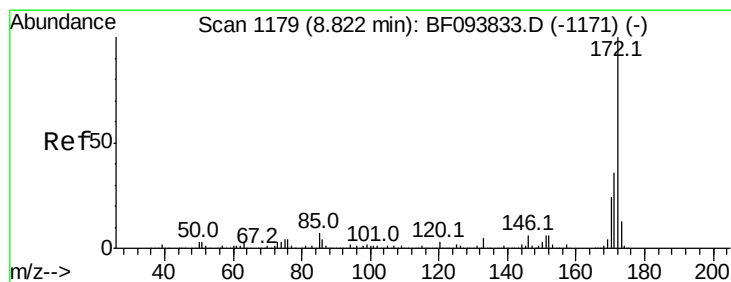
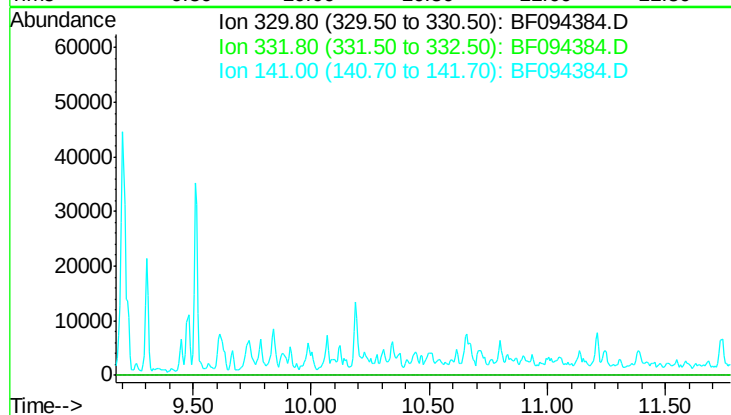




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.47 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

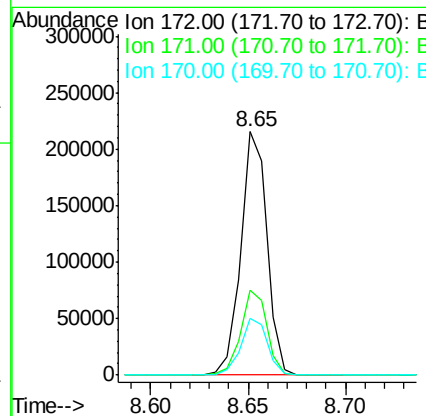
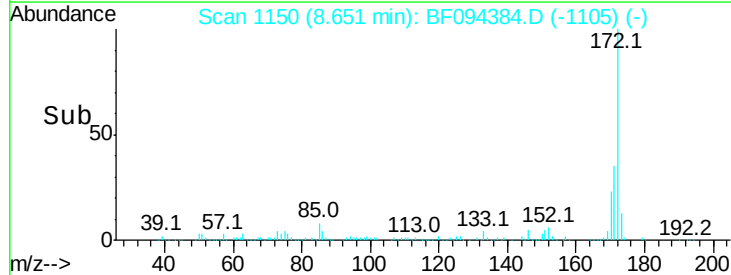
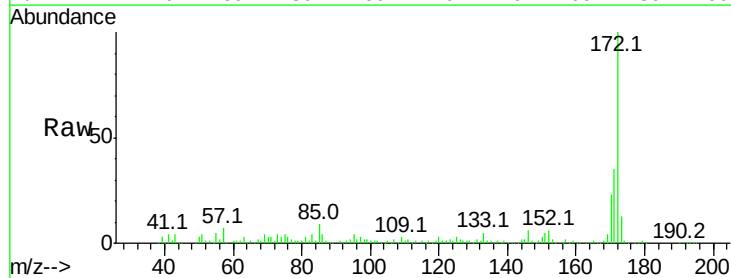
Instrument :
 BNA_F
 ClientSampleId :

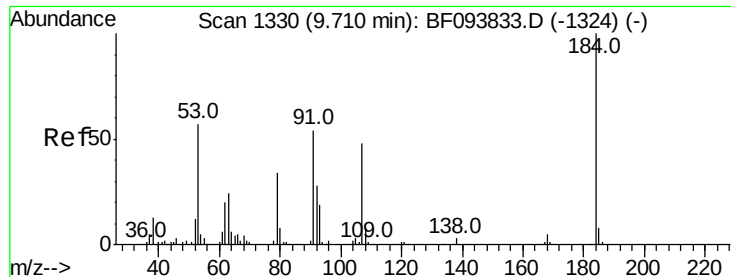
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3



#44
 2-Fluorobiphenyl
 Concen: 17.23 ng
 RT: 8.65 min Scan# 1150
 Delta R.T. -0.04 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Tgt Ion: 172 Resp: 200028
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.2 19.8 29.8

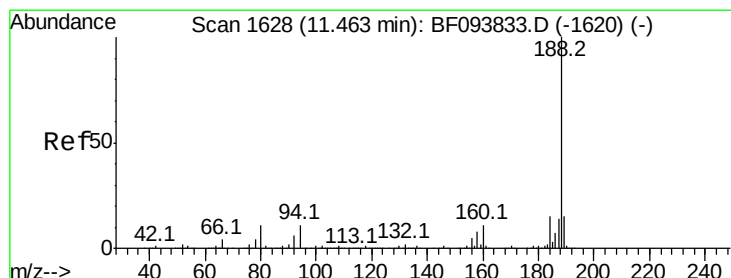
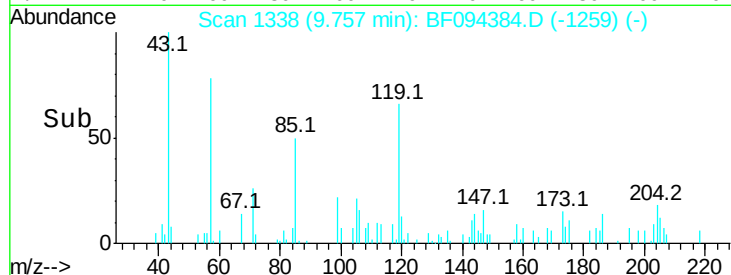
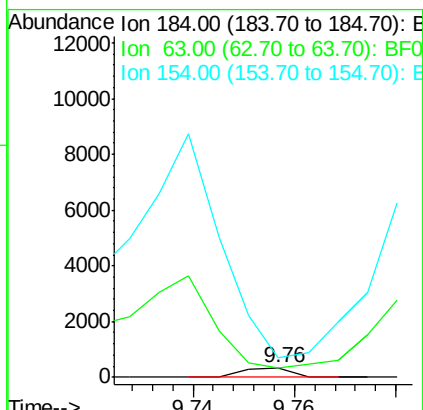
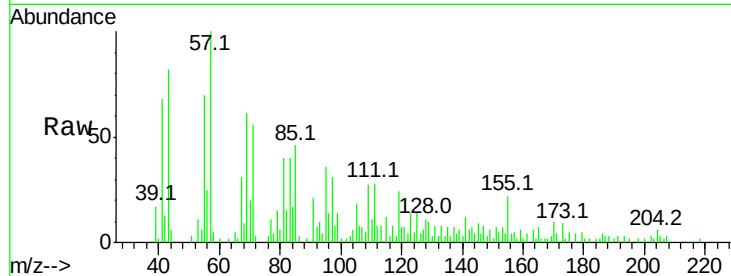




#53
 2,4-Dinitrophenol
 Concen: 4.80 ng
 RT: 9.76 min Scan# 1338
 Delta R.T. 0.16 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

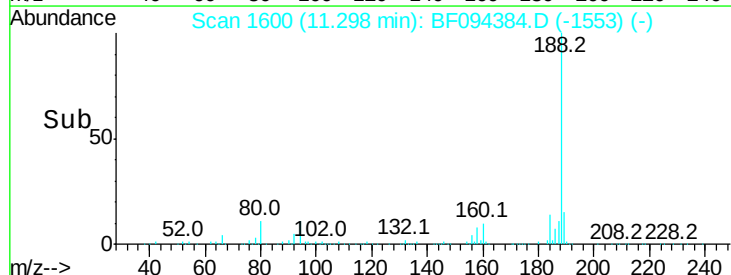
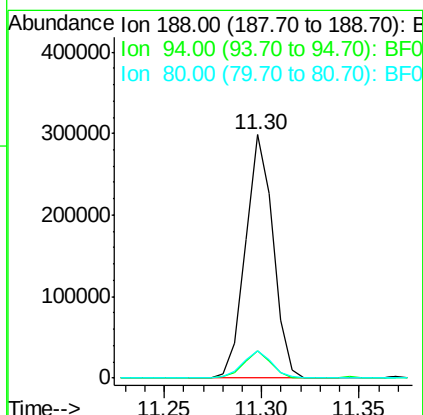
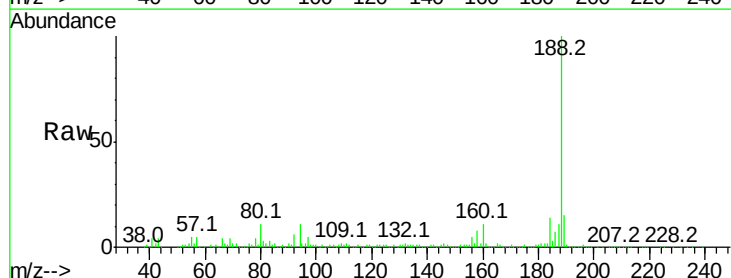
Instrument :
 BNA_F
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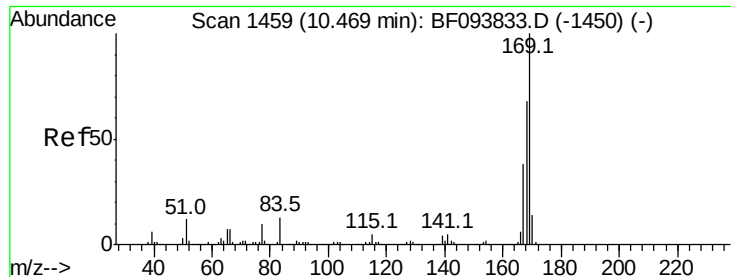
Tot Ion:184 Resp: 229
 Ion Ratio Lower Upper
 184 100
 63 99.7 62.7 94.1#
 154 205.6 81.1 121.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Tgt Ion:188 Resp: 292374
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.4 10.2 15.2

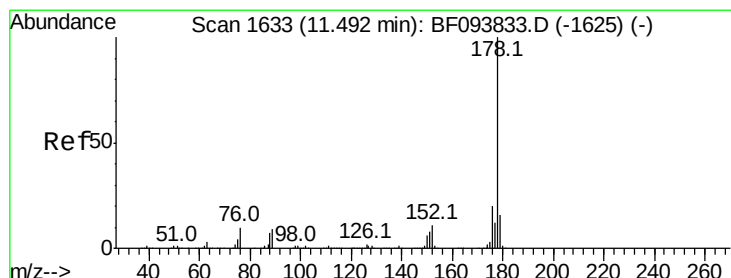
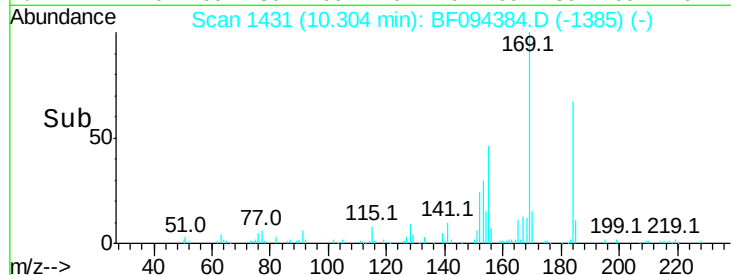
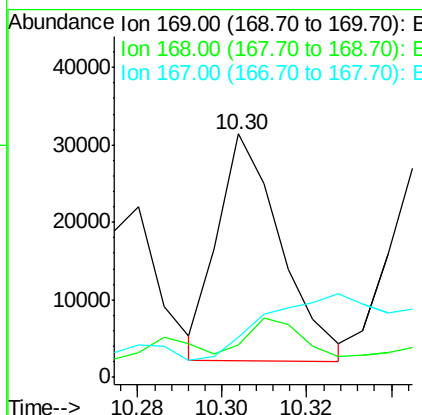
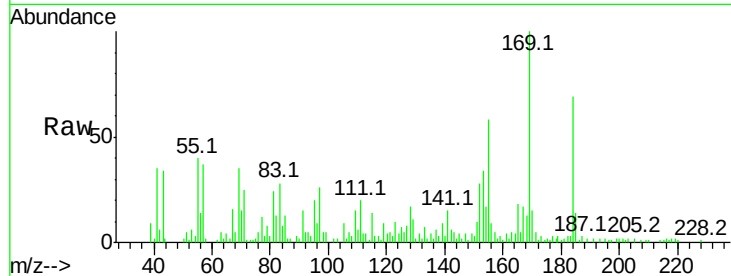




#65
 n-Nitrosodiphenylamine
 Concen: 3.00 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.03 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

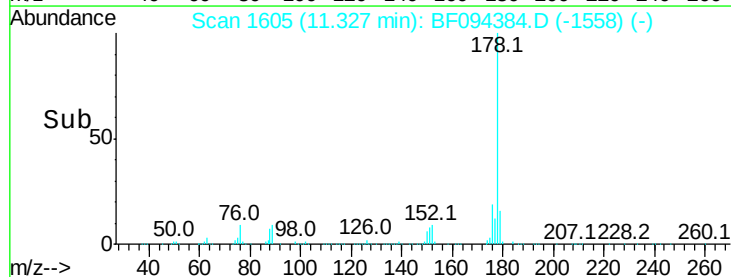
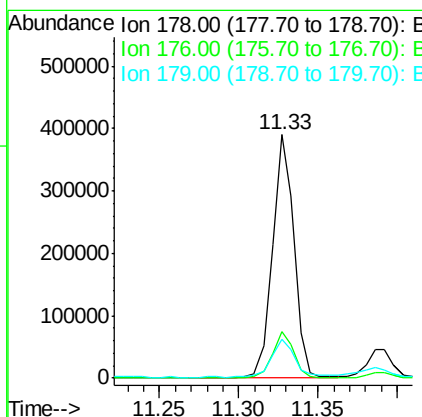
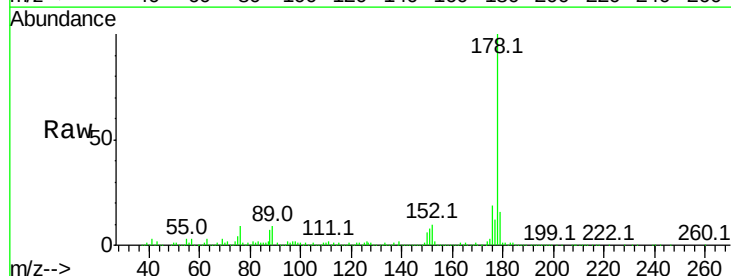
Instrument :
 BNA_F
 ClientSampleId :

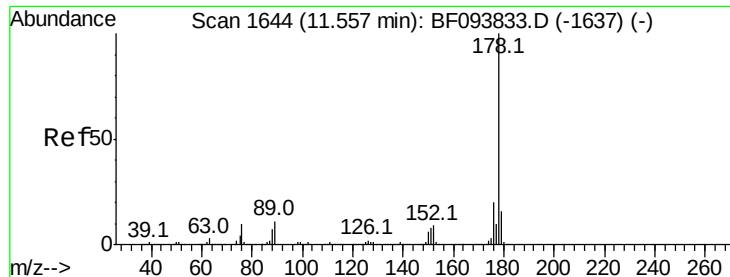
Tot Ion:169 Resp: 30338
 Ion Ratio Lower Upper
 169 100
 168 13.3 53.2 79.8#
 167 16.5 29.5 44.3#



#70
 Phenanthrene
 Concen: 22.66 ng
 RT: 11.33 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Tgt Ion:178 Resp: 368526
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.8 12.6 19.0





#71

Anthracene

Concen: 22.01 ng

RT: 11.33 min Scan# 1605

Delta R.T. -0.09 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

ClientSampled :

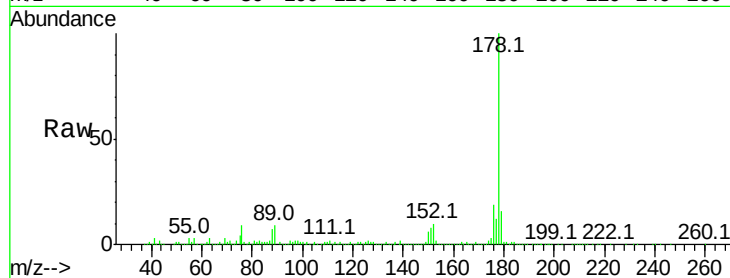
Tot Ion:178 Resp: 368526

Ion	Ratio	Lower	Upper
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178	100		
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176	19.0	15.8	23.8
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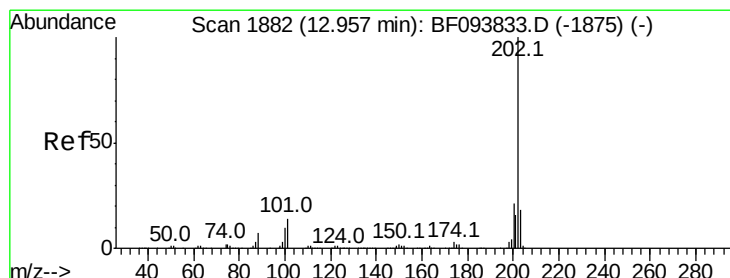
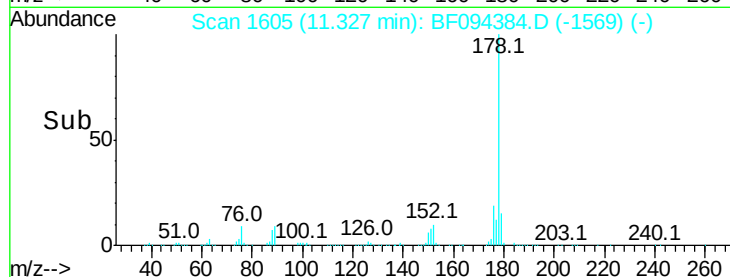
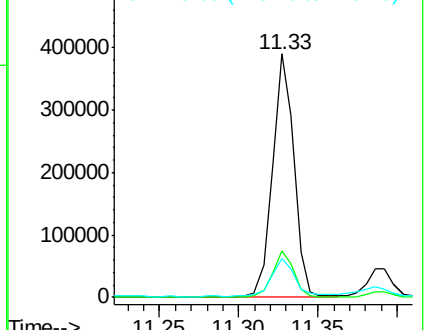
179	15.8	12.7	19.1
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.88 ng

RT: 12.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

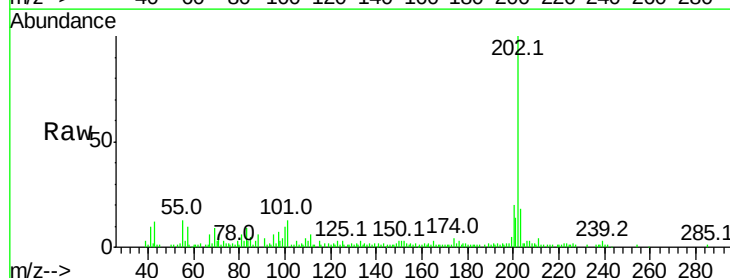
Tgt Ion:202 Resp: 64537

Ion	Ratio	Lower	Upper
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202	100		
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101	13.4	0.0	33.2
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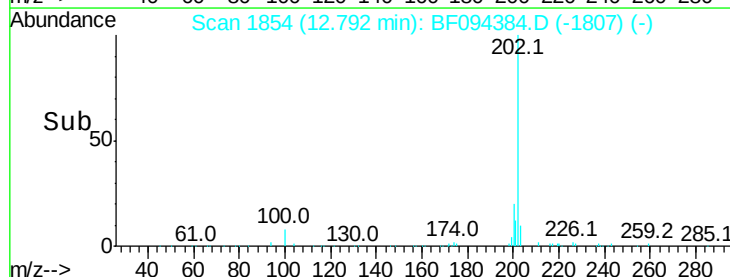
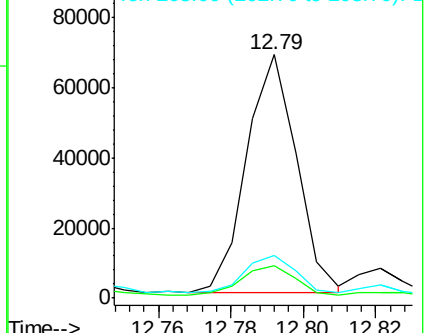
203	17.5	0.0	38.1
-----	------	-----	------

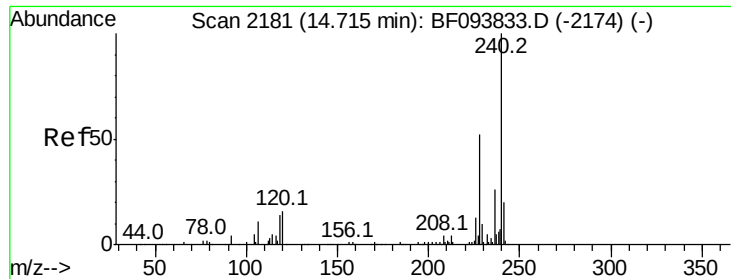


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

Instrument :

BNA_F

ClientSampleId :

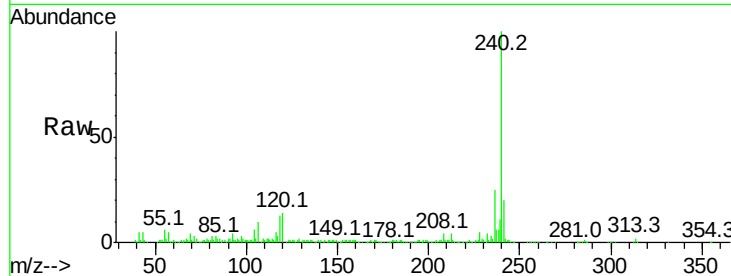
Tot Ion:240 Resp: 267937

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

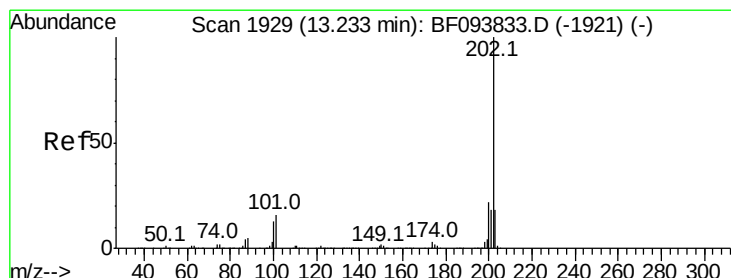
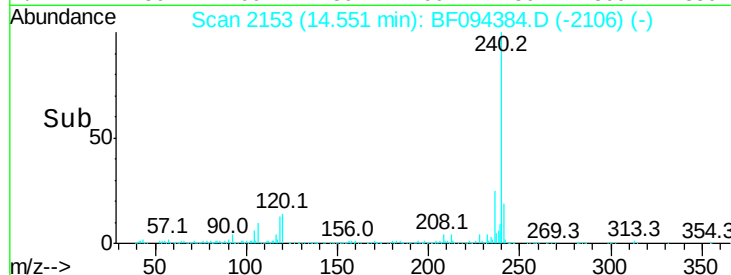
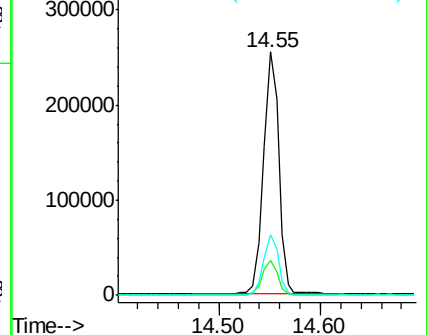
236 24.8 20.5 30.7



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



#77

Pyrene

Concen: 15.46 ng

RT: 13.07 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BF094384.D

Acq: 12 Apr 2017 9:59

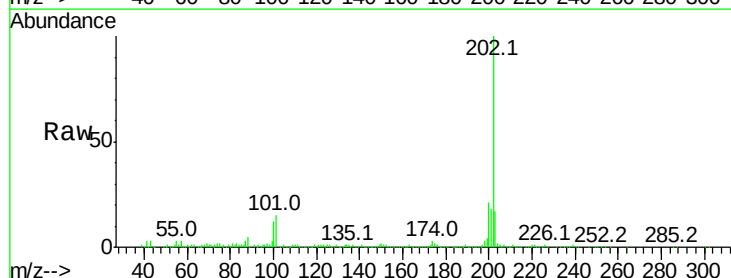
Tgt Ion:202 Resp: 300690

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

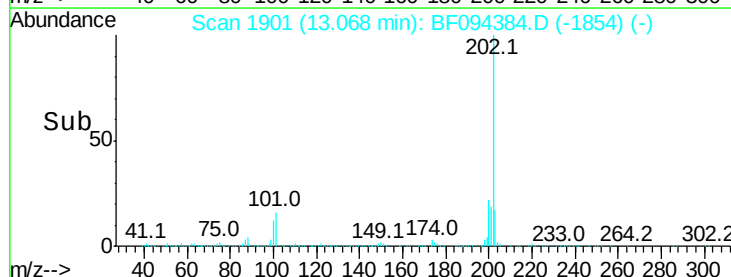
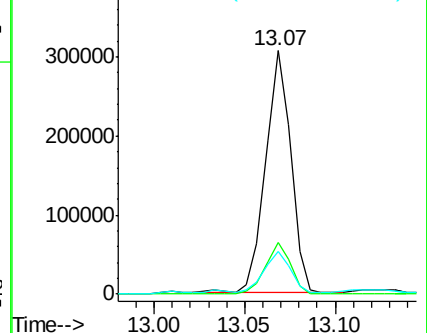
203 17.3 14.4 21.6

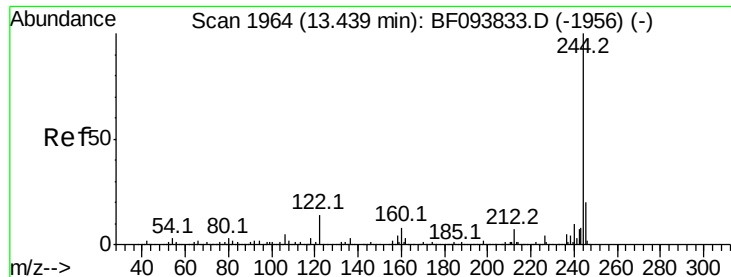


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

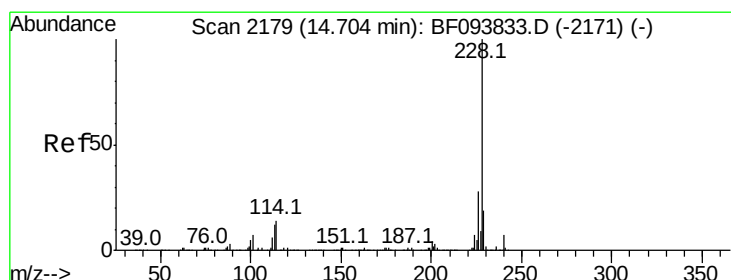
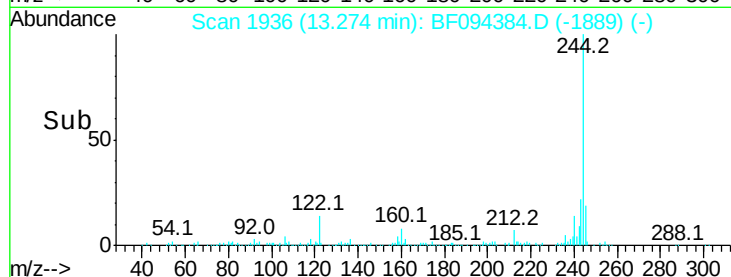
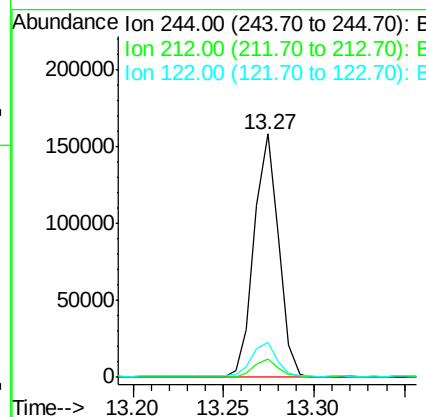
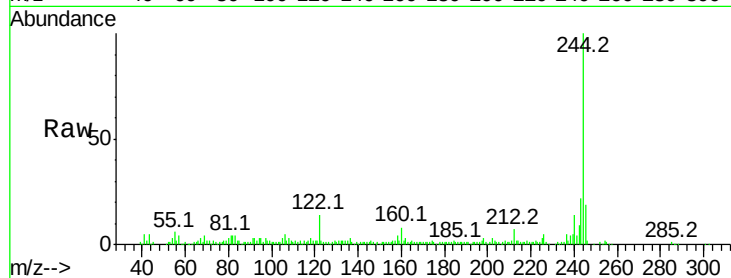




#78
 Terphenyl-d14
 Concen: 12.52 ng
 RT: 13.27 min Scan# 1936
 Delta R.T. -0.02 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

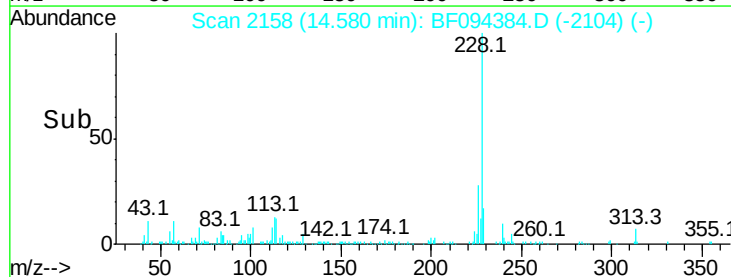
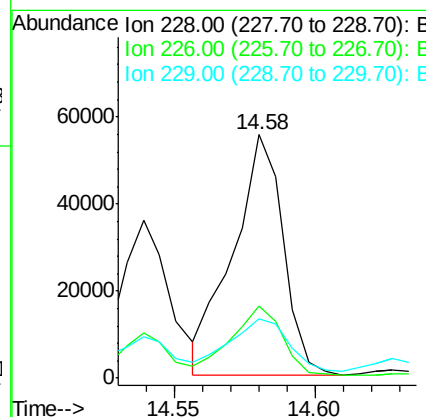
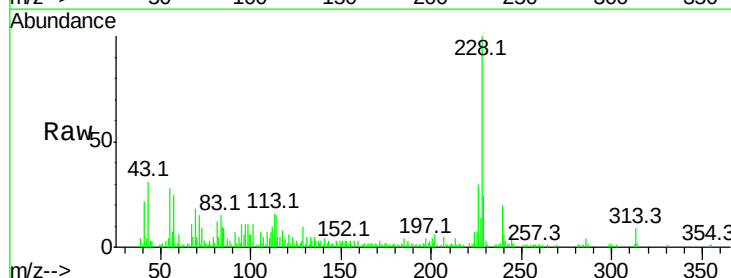
Instrument :
 BNA_F
 ClientSampleId :

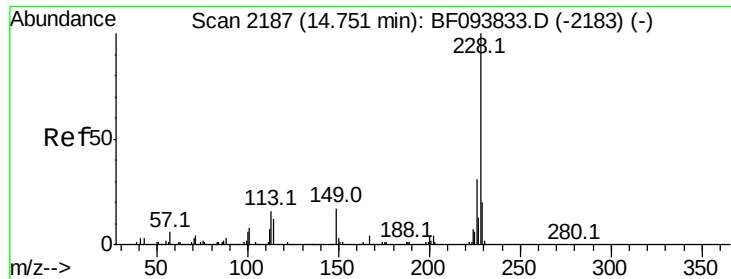
Tot Ion:244 Resp: 149629
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 14.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.38 ng
 RT: 14.58 min Scan# 2158
 Delta R.T. 0.02 min
 Lab File: BF094384.D
 Acq: 12 Apr 2017 9:59

Tgt Ion:228 Resp: 68368
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 24.2 16.3 24.5

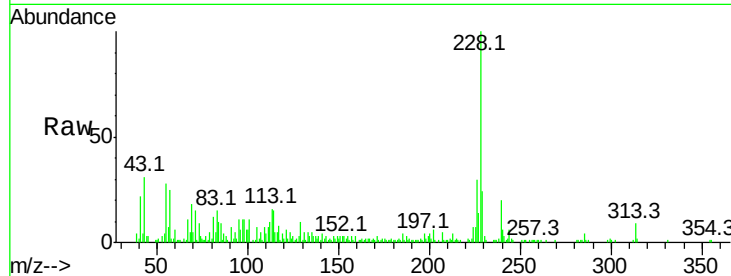




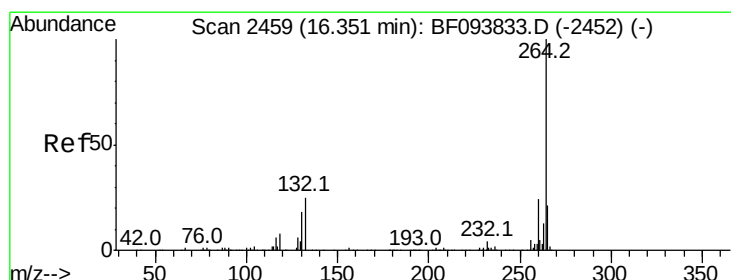
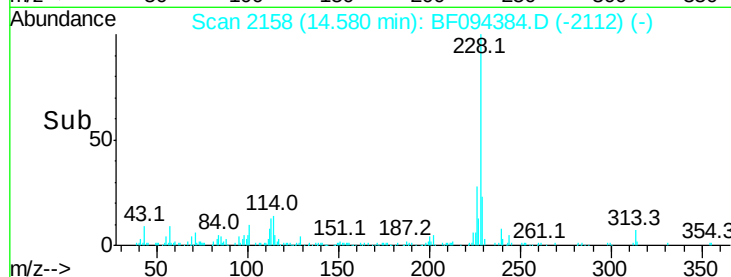
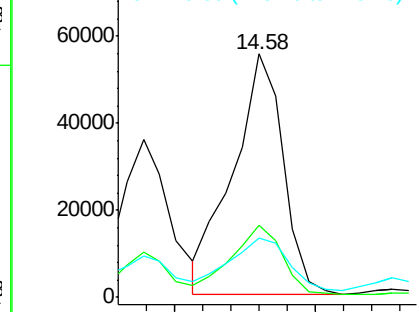
#82
Chrysene
Concen: 4.72 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	24.2	15.8	23.6

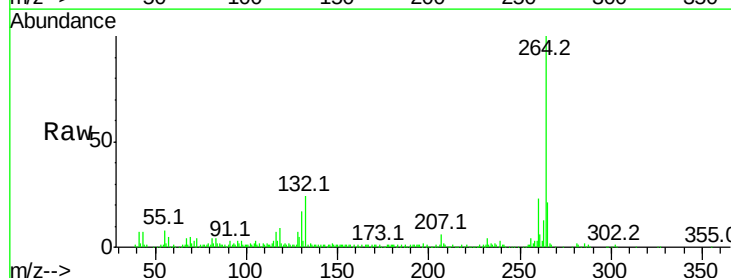


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094384.D
Acq: 12 Apr 2017 9:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.5	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

