

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
 Data File : BF093613.D
 Acq On : 13 Mar 2017 17:56
 Operator : SJ/MA
 Sample : I2174-23
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-74

Quant Time: Mar 14 01:04:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

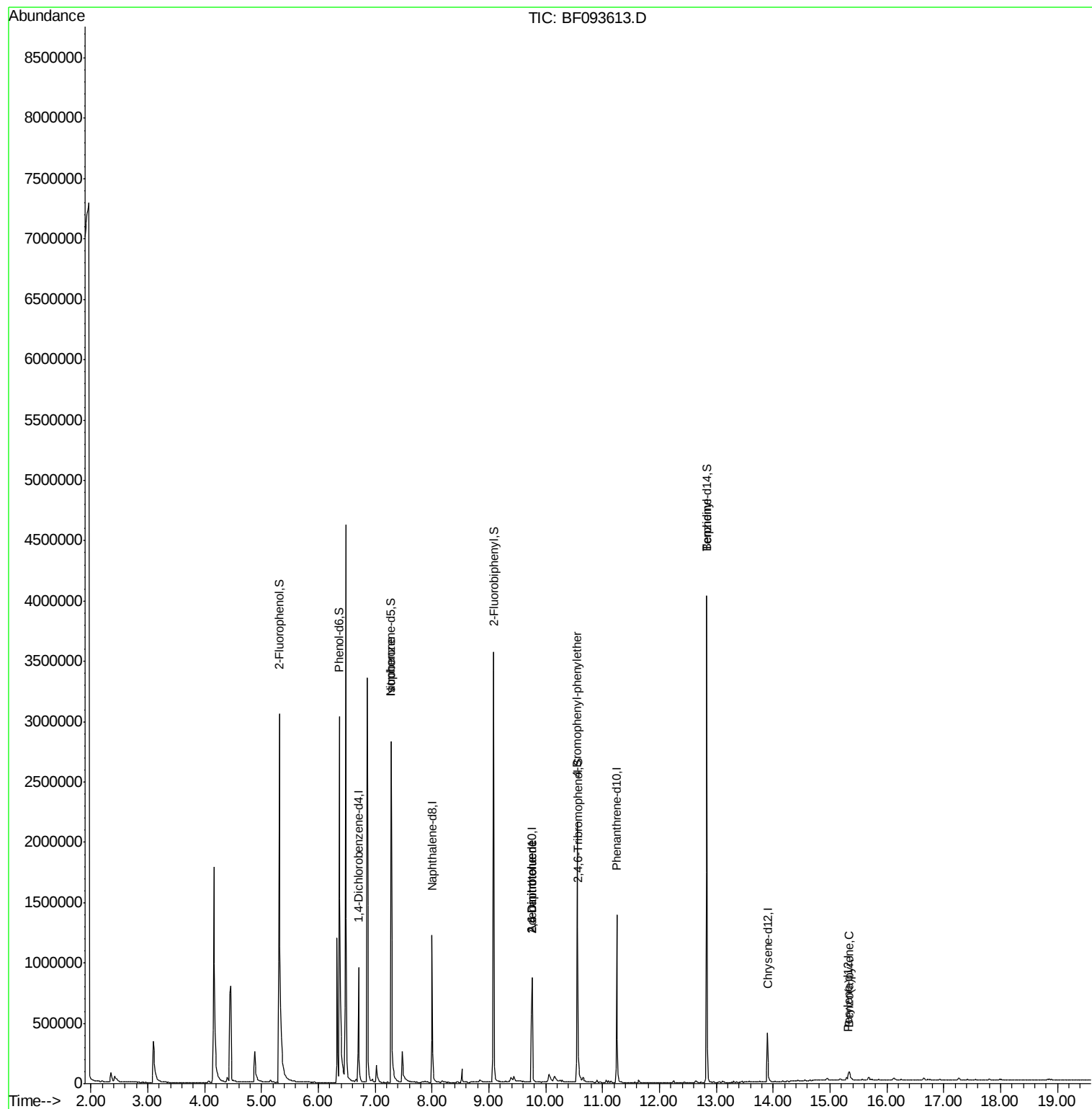
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	158443	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	623843	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	193354	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	498291	20.00	ng	0.00
75) Chrysene-d12	13.90	240	112820	20.00	ng	0.01
86) Perylene-d12	15.32	264	3048	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1312807	137.90	ng	0.00
7) Phenol-d6	6.37	99	1380073	114.96	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1097607	97.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	311778	247.49	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1713990	164.88	ng	0.00
78) Terphenyl-d14	12.84	244	1201471	276.88	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	2978	Below Cal	#	12
25) Isophorone	7.28	82	1075684	47.44	ng	# 65
50) 2,6-Dinitrotoluene	9.76	165	25006	8.89	ng	# 36
56) 2,4-Dinitrotoluene	9.76	165	25006	7.24	ng	# 24
66) 4-Bromophenyl-phenylether	10.55	248	22699	4.31	ng	# 1
76) Benzidine	12.84	184	17603	4.74	ng	# 84
89) Benzo(a)pyrene	15.34	252	2247	13.24	ng	# 1

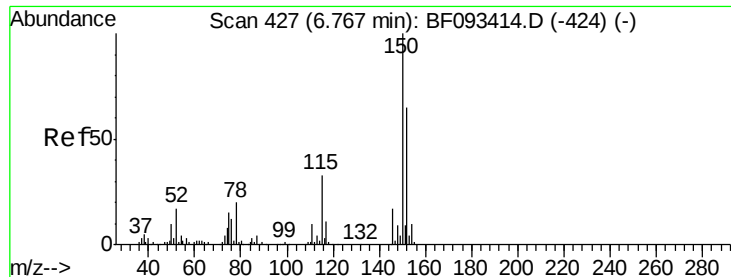
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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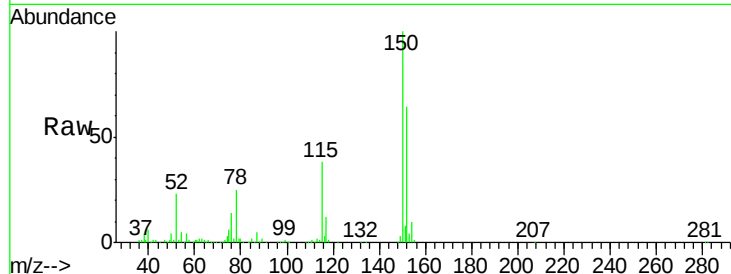


#1

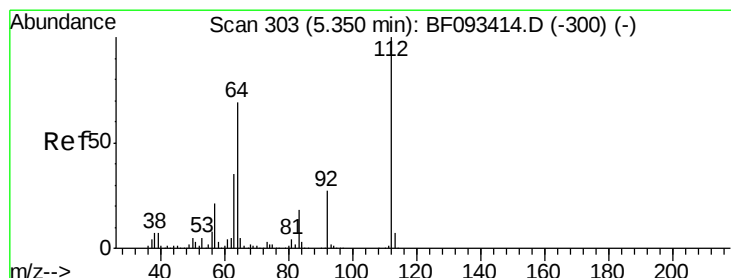
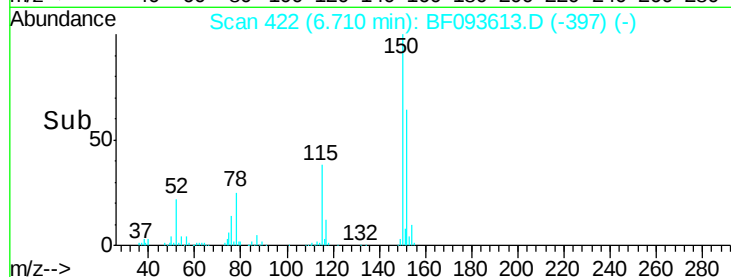
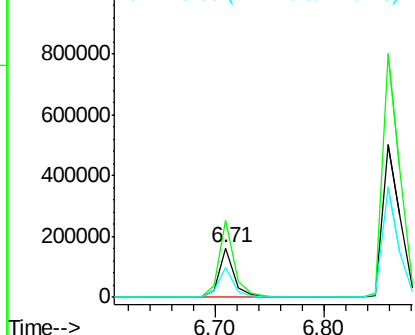
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093613.D
Acq: 13 Mar 2017 17:56

Instrument :
BNA_F
ClientSampleId :
D-74

Tgt Ion:152 Resp: 158443
Ion Ratio Lower Upper
152 100
150 156.6 124.9 187.3
115 59.8 46.0 69.0



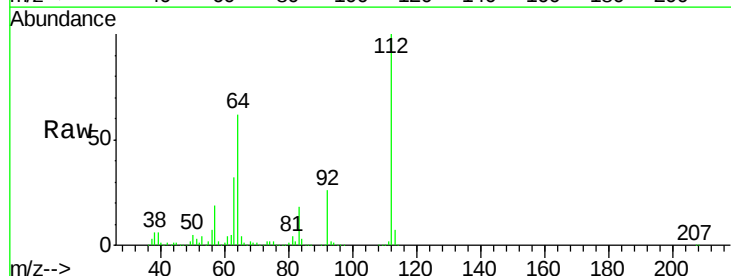
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



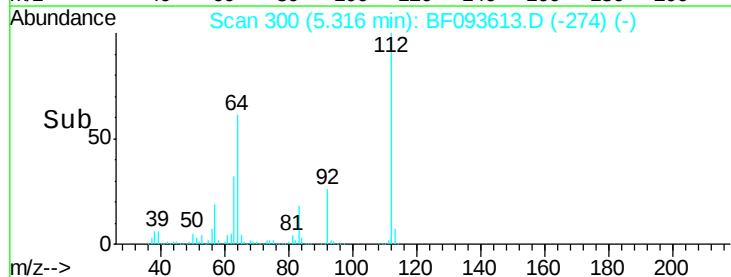
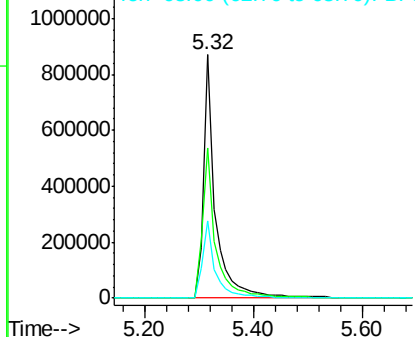
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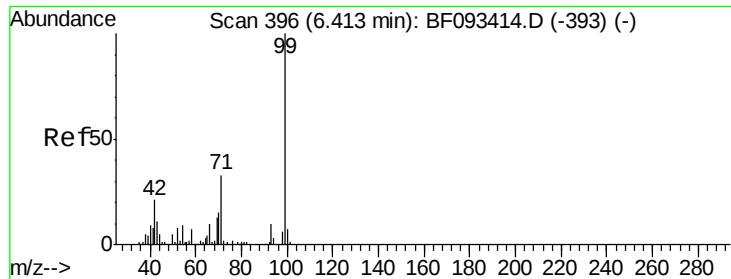
2-Fluorophenol
Concen: 137.90 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093613.D
Acq: 13 Mar 2017 17:56

Tgt Ion:112 Resp: 1312807
Ion Ratio Lower Upper
112 100
64 61.5 46.1 69.1
63 31.7 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: 114.96 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093613.D

Acq: 13 Mar 2017 17:56

Instrument :

BNA_F

ClientSampleId :

D-74

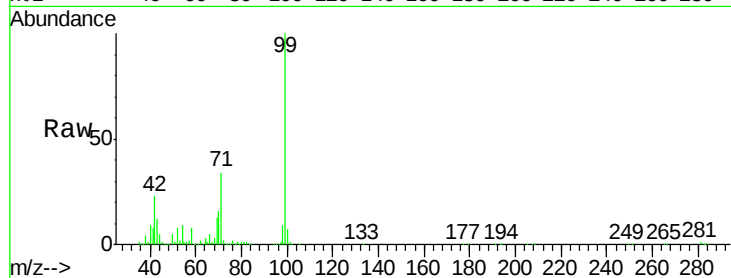
Tgt Ion: 99 Resp: 1380073

Ion Ratio Lower Upper

99 100

42 22.8 15.6 23.4

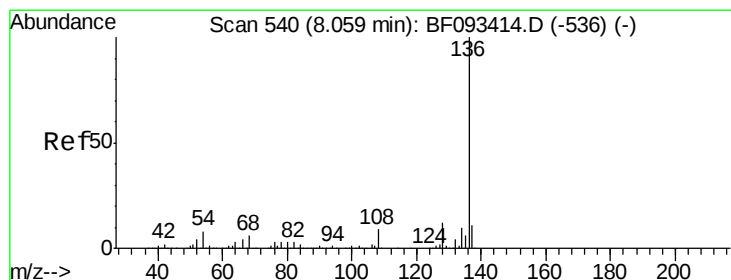
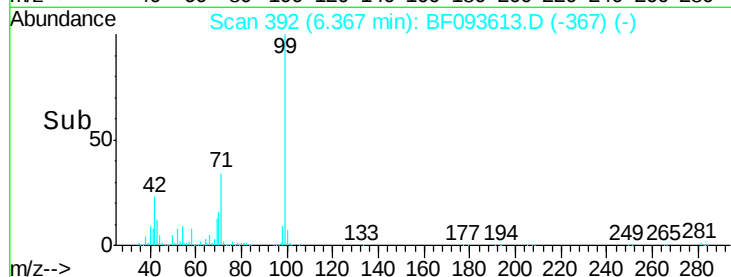
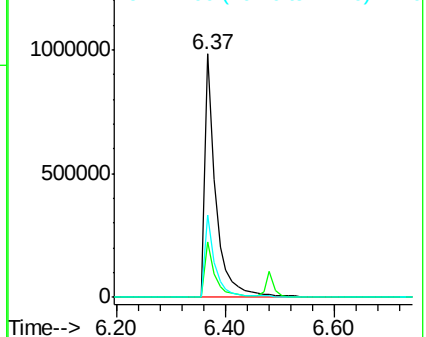
71 33.8 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093613.D

Acq: 13 Mar 2017 17:56

Tgt Ion: 136 Resp: 623843

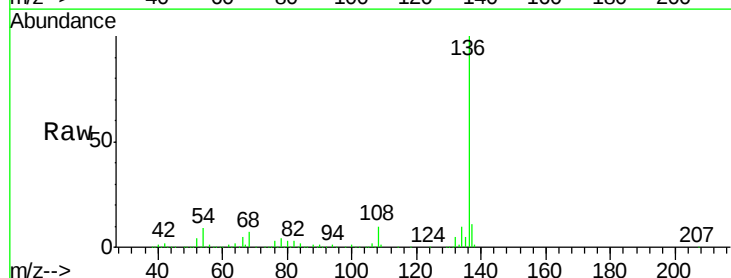
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 8.7 4.5 6.7#

68 6.8 3.6 5.4#

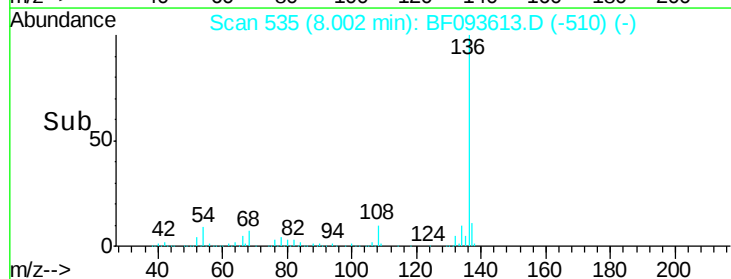
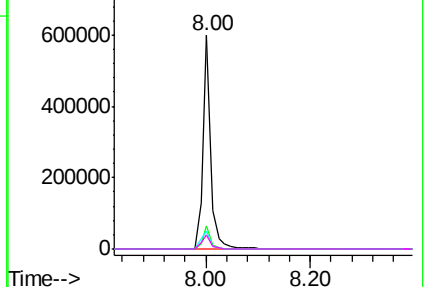


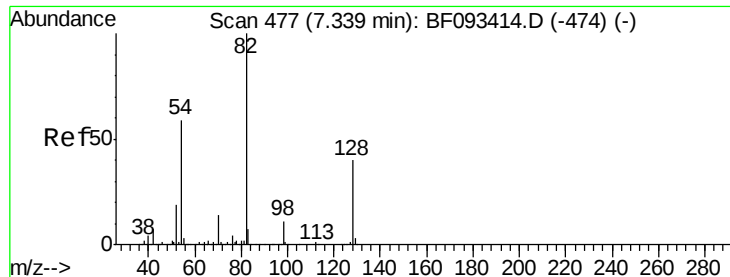
Abundance Ion 136.00 (135.70 to 136.70): E

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

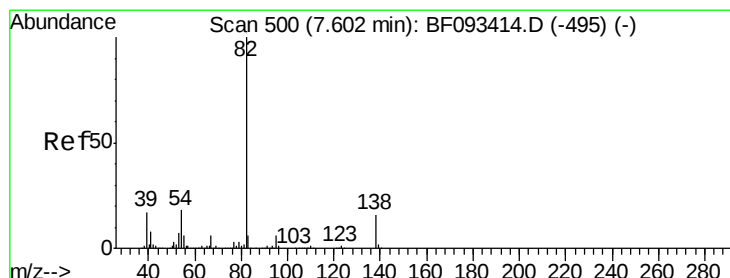
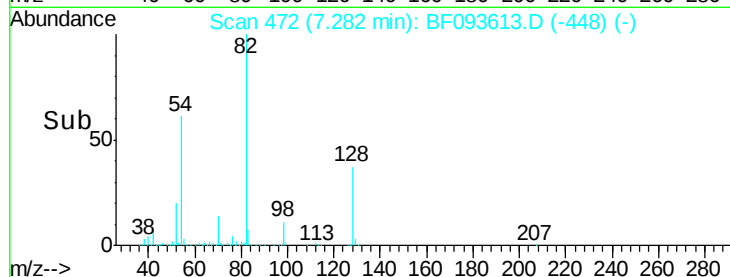
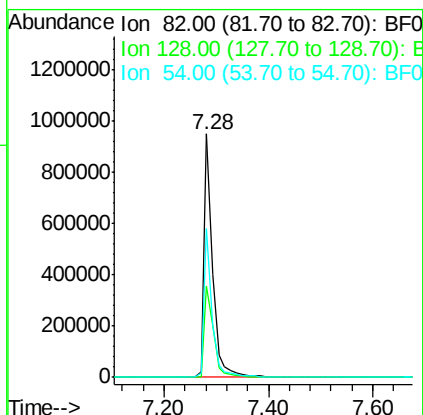
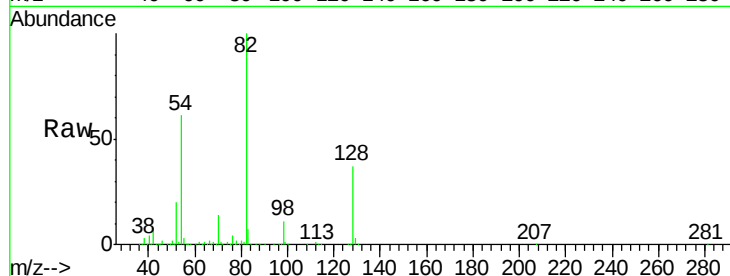




#23
 Nitrobenzene-d5
 Concen: 97.62 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

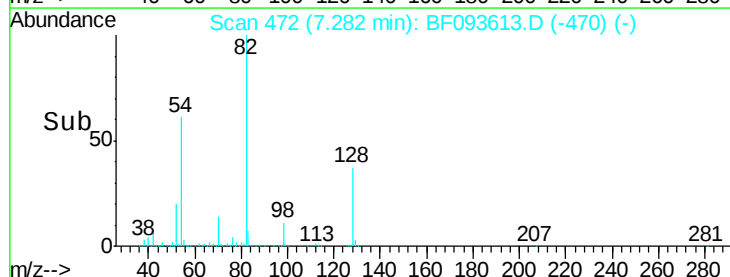
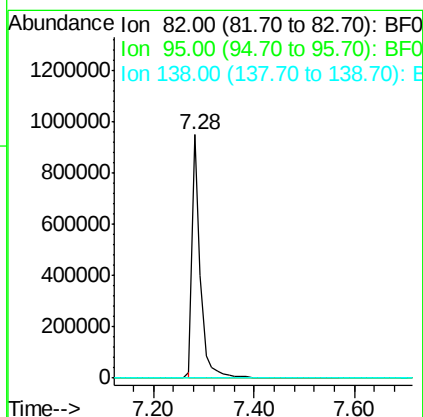
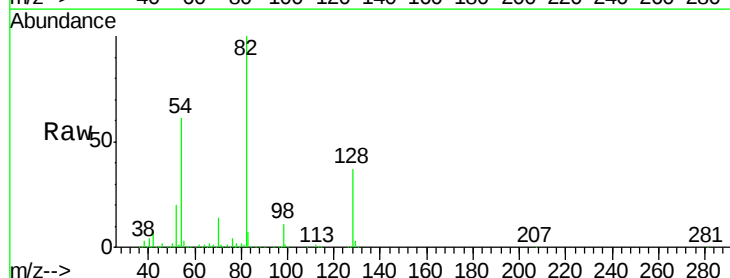
Instrument :
 BNA_F
 ClientSampleId :
 D-74

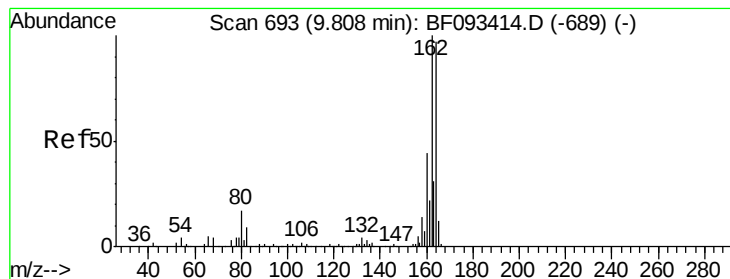
Tgt Ion: 82 Resp: 1097607
 Ion Ratio Lower Upper
 82 100
 128 37.3 34.6 52.0
 54 60.9 39.5 59.3#



#25
 Isophorone
 Concen: 47.44 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.27 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

Tgt Ion: 82 Resp: 1075684
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093613.D

Acq: 13 Mar 2017 17:56

Instrument :

BNA_F

ClientSampleId :

D-74

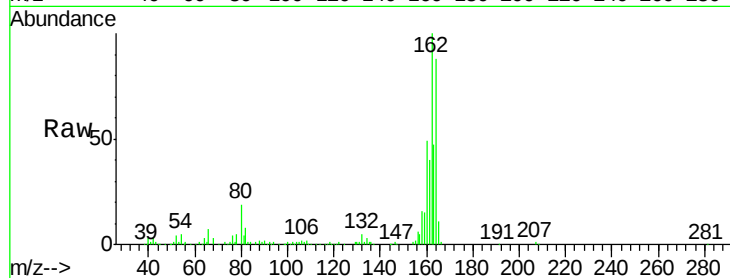
Tgt Ion:164 Resp: 193354

Ion Ratio Lower Upper

164 100

162 113.1 80.2 120.2

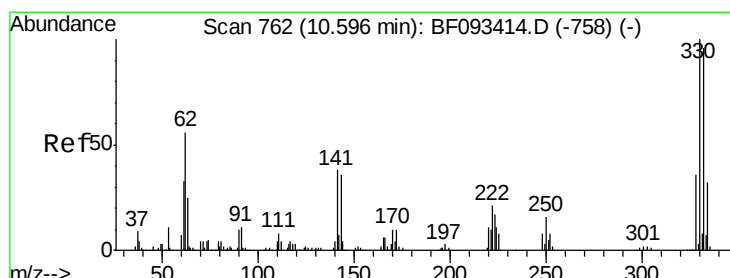
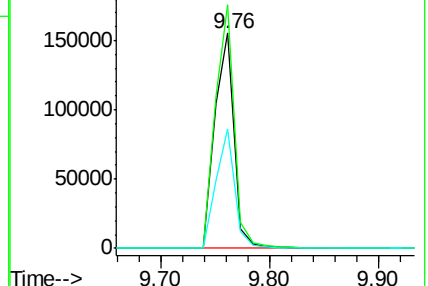
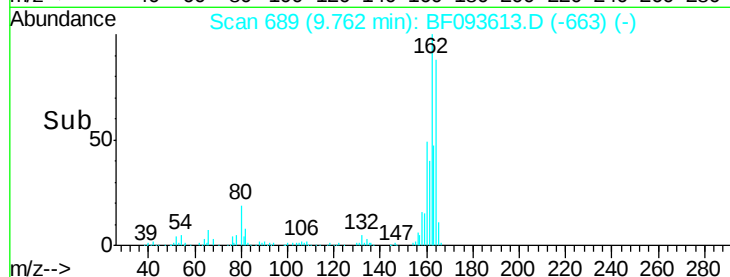
160 55.4 36.9 55.3#



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: 247.49 ng

RT: 10.56 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF093613.D

Acq: 13 Mar 2017 17:56

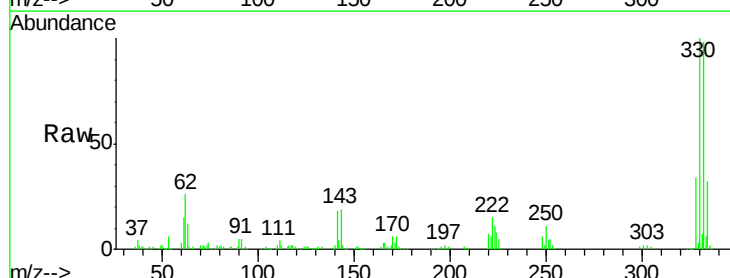
Tgt Ion:330 Resp: 311778

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

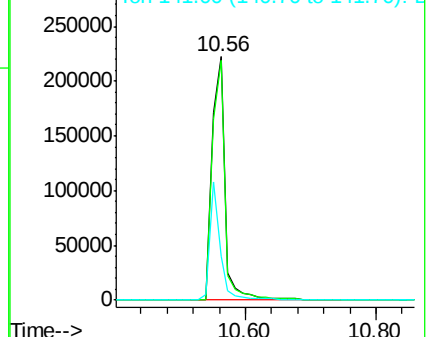
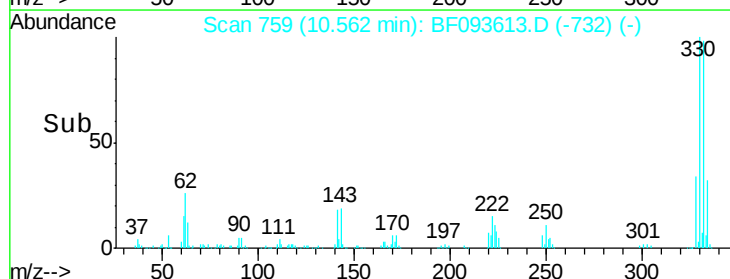
141 39.6 34.1 51.1

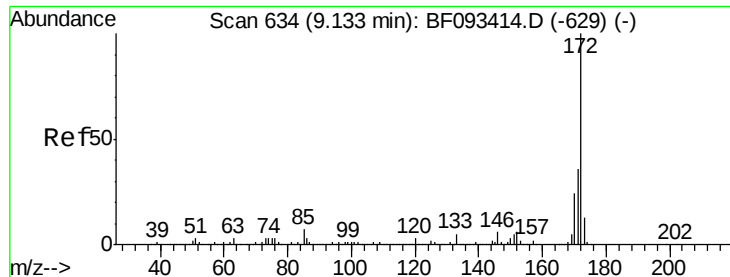


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

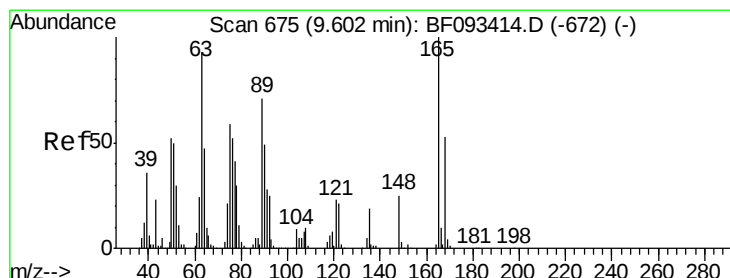
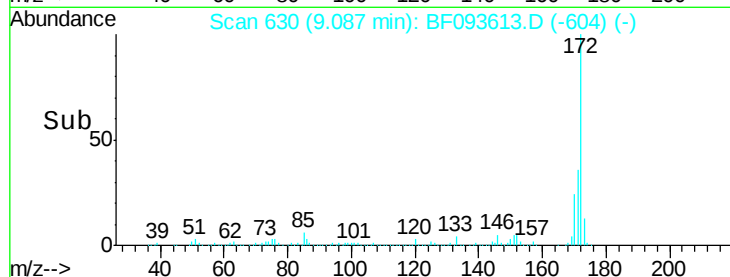
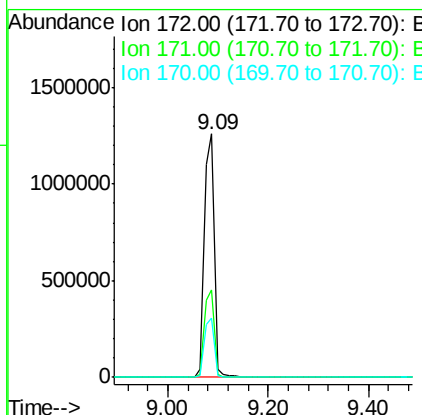
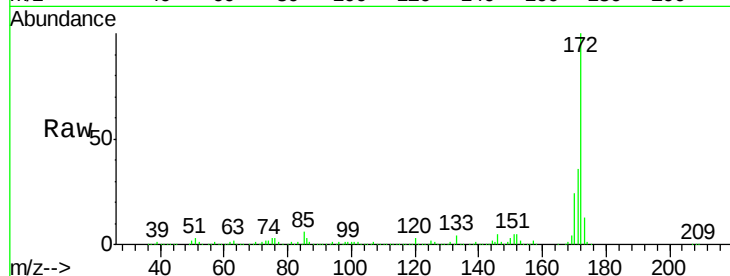




#44
 2-Fluorobiphenyl
 Concen: 164.88 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

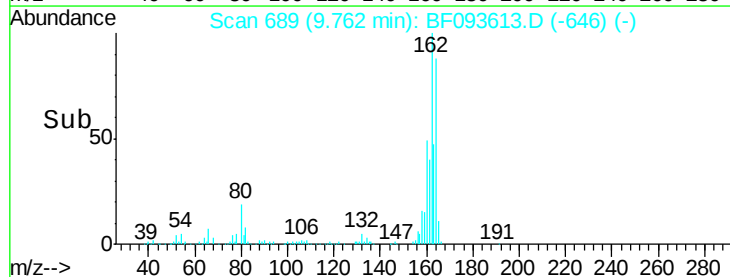
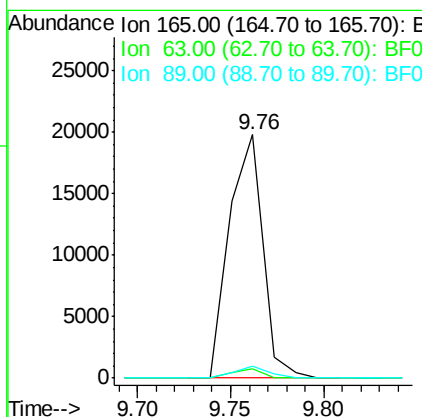
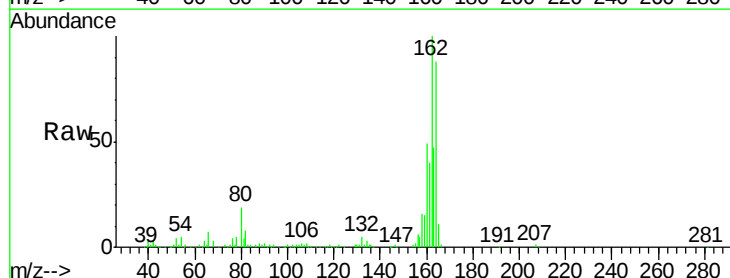
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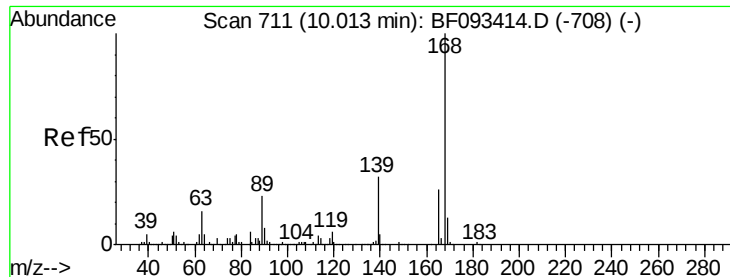
Tgt Ion:172 Resp: 1713990
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.4 44.0
 170 24.3 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.89 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.19 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

Tgt Ion:165 Resp: 25006
 Ion Ratio Lower Upper
 165 100
 63 3.9 36.2 54.4#
 89 5.0 40.2 60.4#

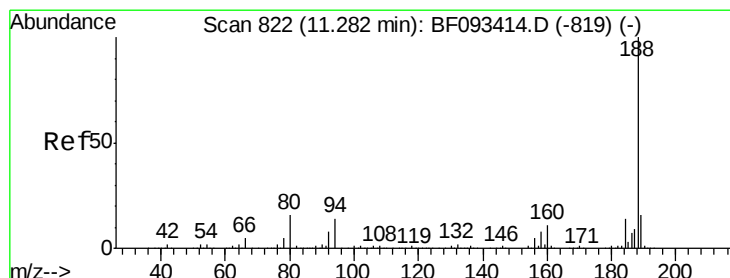
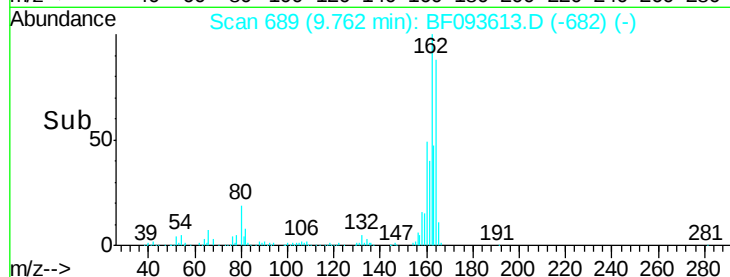
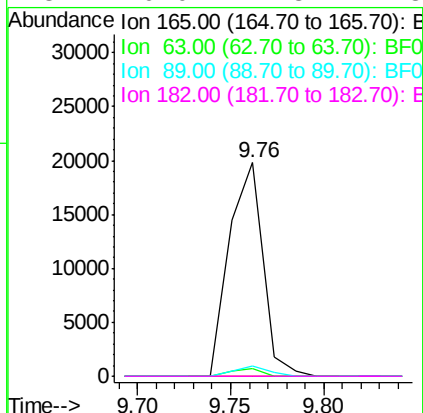
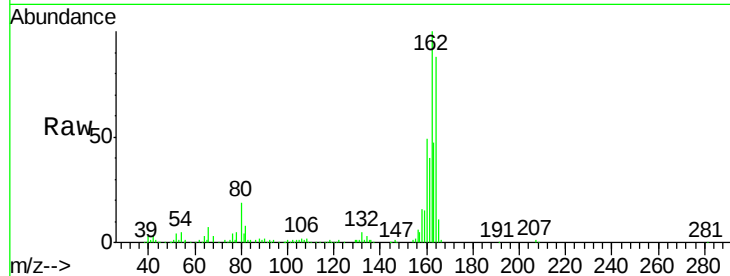




#56
 2,4-Dinitrotoluene
 Concen: 7.24 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

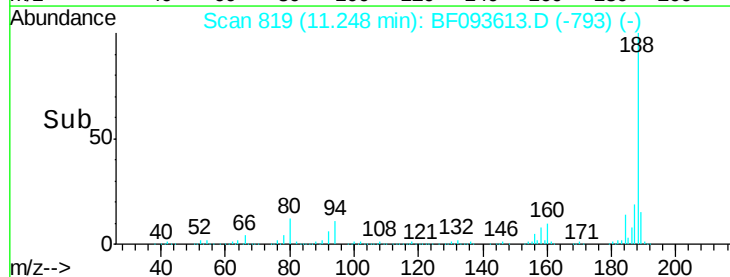
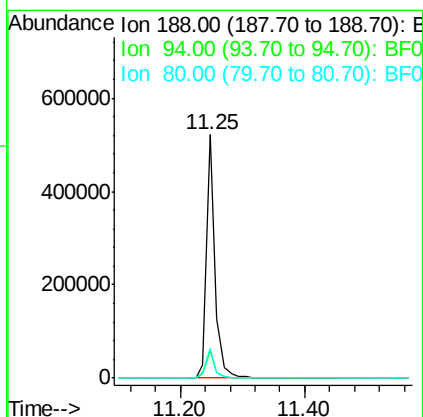
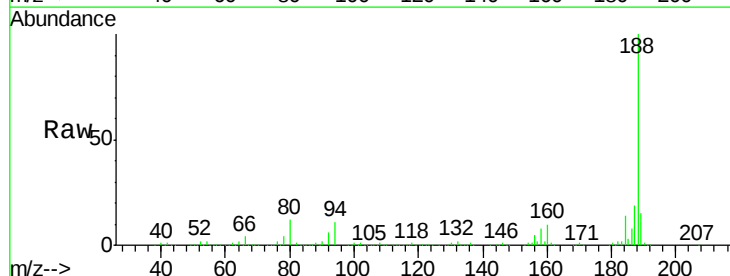
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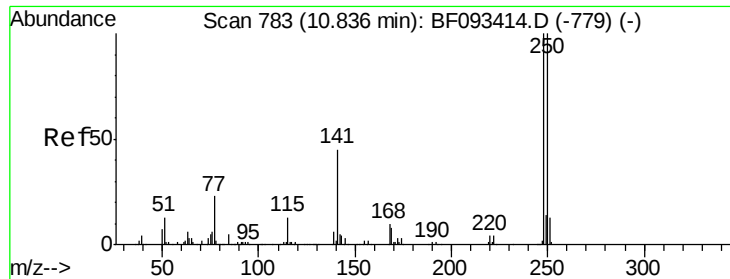
Tgt Ion:	165	Resp:	25006
Ion	Ratio	Lower	Upper
165	100		
63	3.9	40.2	60.4#
89	5.0	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

Tgt Ion:	188	Resp:	498291
Ion	Ratio	Lower	Upper
188	100		
94	11.2	10.0	15.0
80	12.0	11.2	16.8

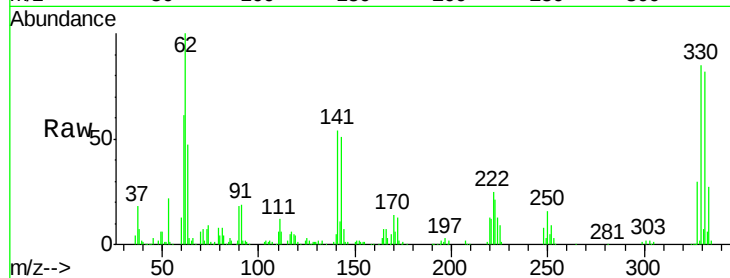




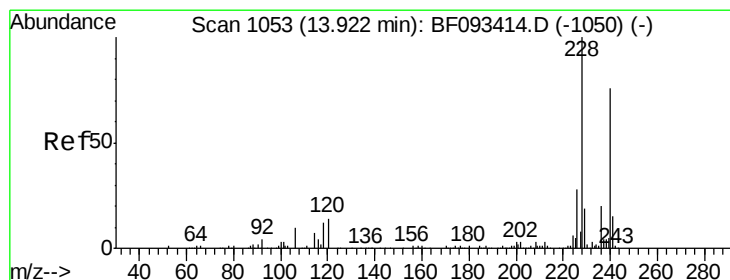
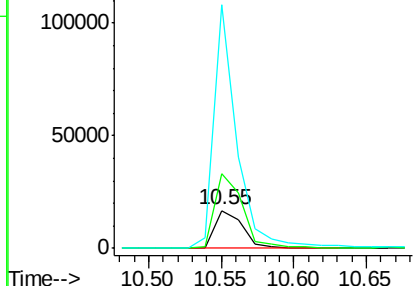
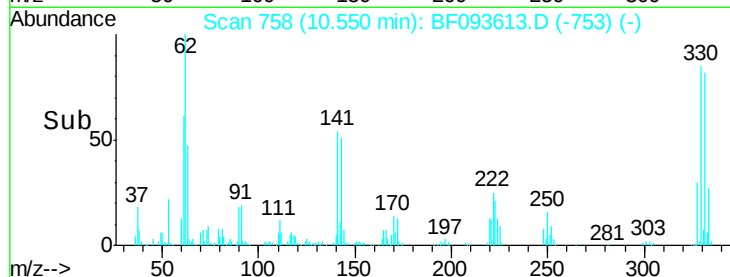
#66
 4-Bromophenyl-phenylether
 Concen: 4.31 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.24 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

Instrument :
 BNA_F
 ClientSampled :
 D-74

Tgt Ion:248 Resp: 22699
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 637.9 68.2 102.4#

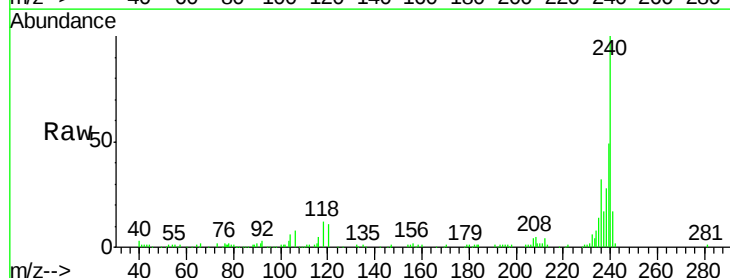


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

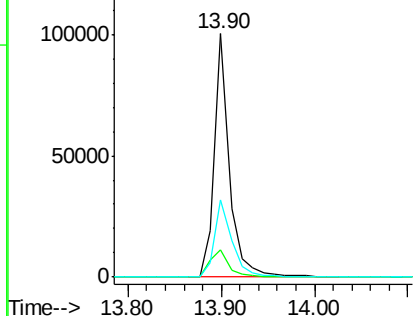
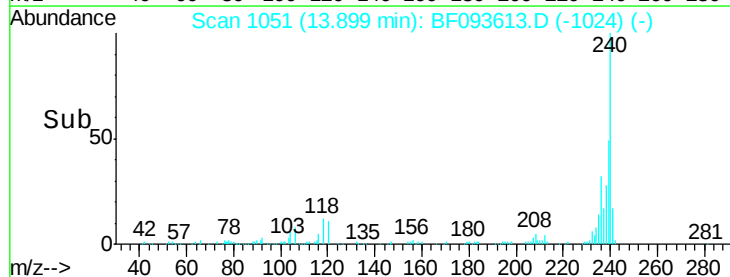


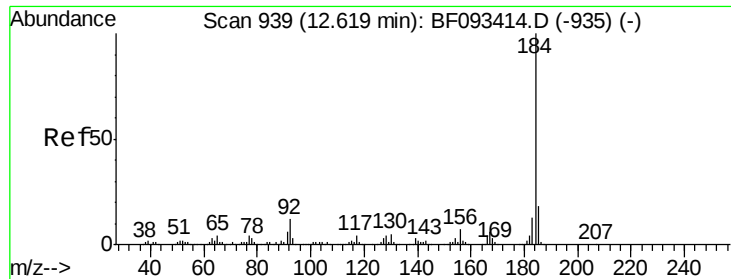
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BF093613.D
 Acq: 13 Mar 2017 17:56

Tgt Ion:240 Resp: 112820
 Ion Ratio Lower Upper
 240 100
 120 11.1 12.9 19.3#
 236 31.9 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

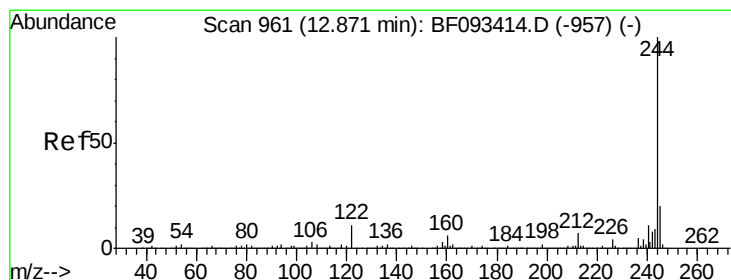
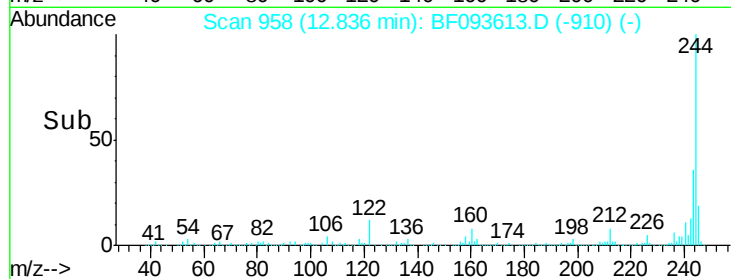
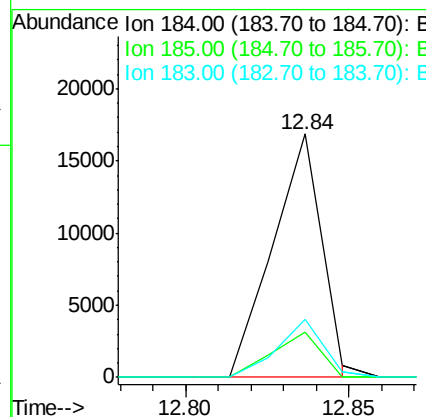
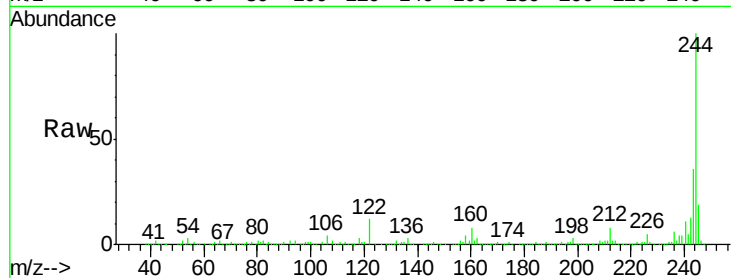




#76
Benzidine
Concen: 4.74 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.25 min
Lab File: BF093613.D
Acq: 13 Mar 2017 17:56

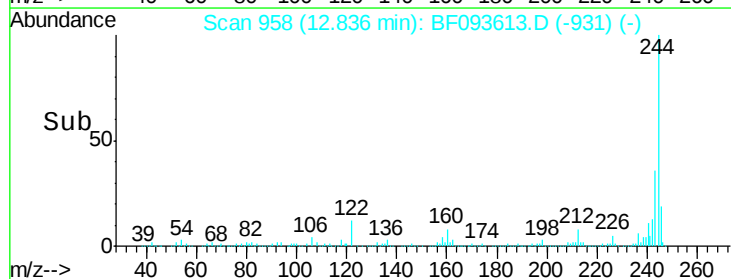
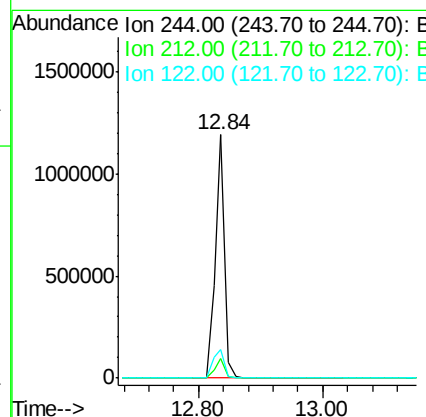
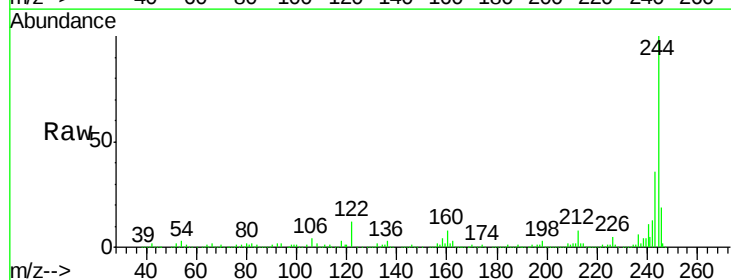
Instrument :
BNA_F
ClientSampleId :
D-74

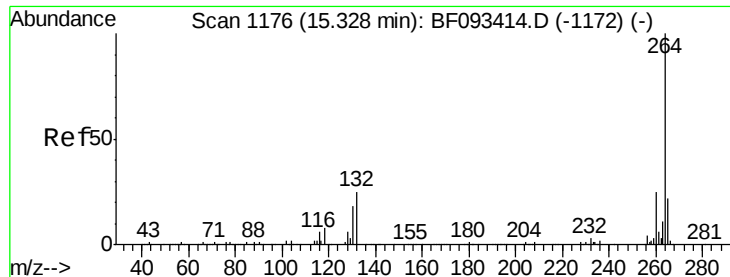
Tgt Ion:184 Resp: 17603
Ion Ratio Lower Upper
184 100
185 18.6 13.4 20.0
183 23.7 9.2 13.8#



#78
Terphenyl-d14
Concen: 276.88 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF093613.D
Acq: 13 Mar 2017 17:56

Tgt Ion:244 Resp: 1201471
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 11.8 11.4 17.2

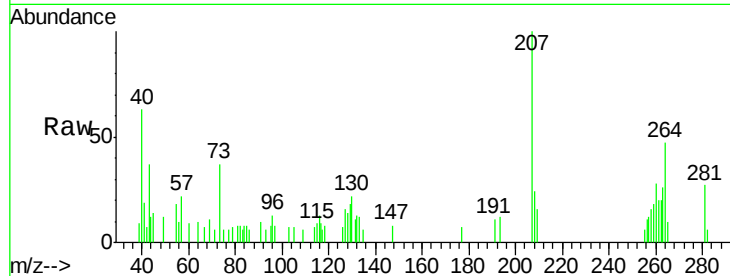




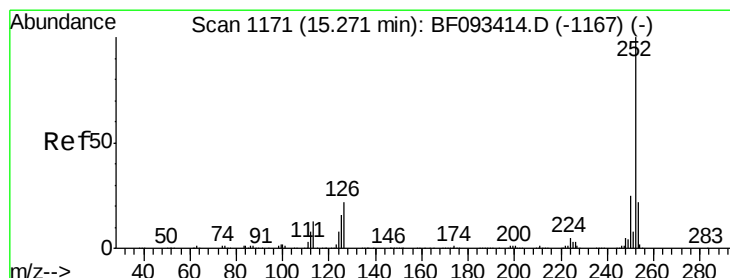
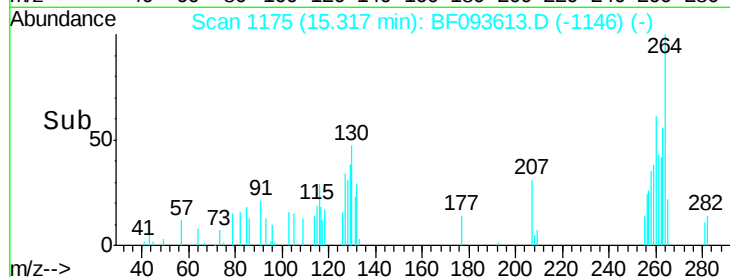
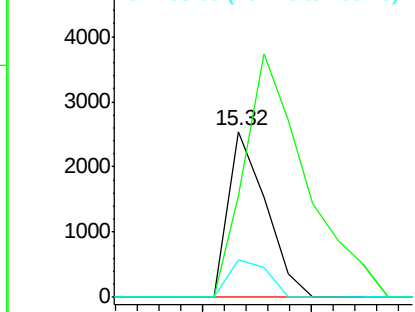
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1175
Delta R.T. 0.03 min
Lab File: BF093613.D
Acq: 13 Mar 2017 17:56

Instrument :
BNA_F
ClientSampled :
D-74

Tgt Ion: 264 Resp: 3048
Ion Ratio Lower Upper
264 100
260 60.9 19.2 28.8#
265 22.5 17.4 26.0

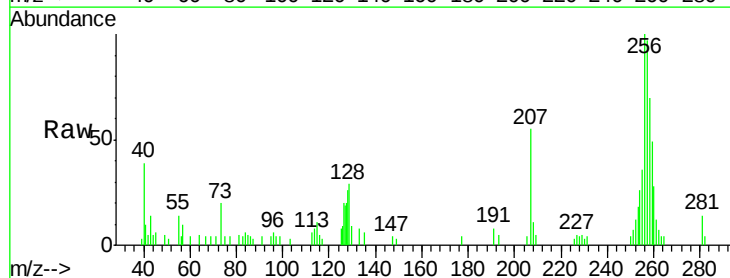


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#89
Benzo(a)pyrene
Concen: 13.24 ng
RT: 15.34 min Scan# 1177
Delta R.T. 0.11 min
Lab File: BF093613.D
Acq: 13 Mar 2017 17:56

Tgt Ion: 252 Resp: 2247
Ion Ratio Lower Upper
252 100
253 156.2 18.2 27.2#
125 70.3 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

