

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096599.D
 Acq On : 10 Jul 2017 14:24
 Operator : SJ/JU
 Sample : I4061-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 01:08:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

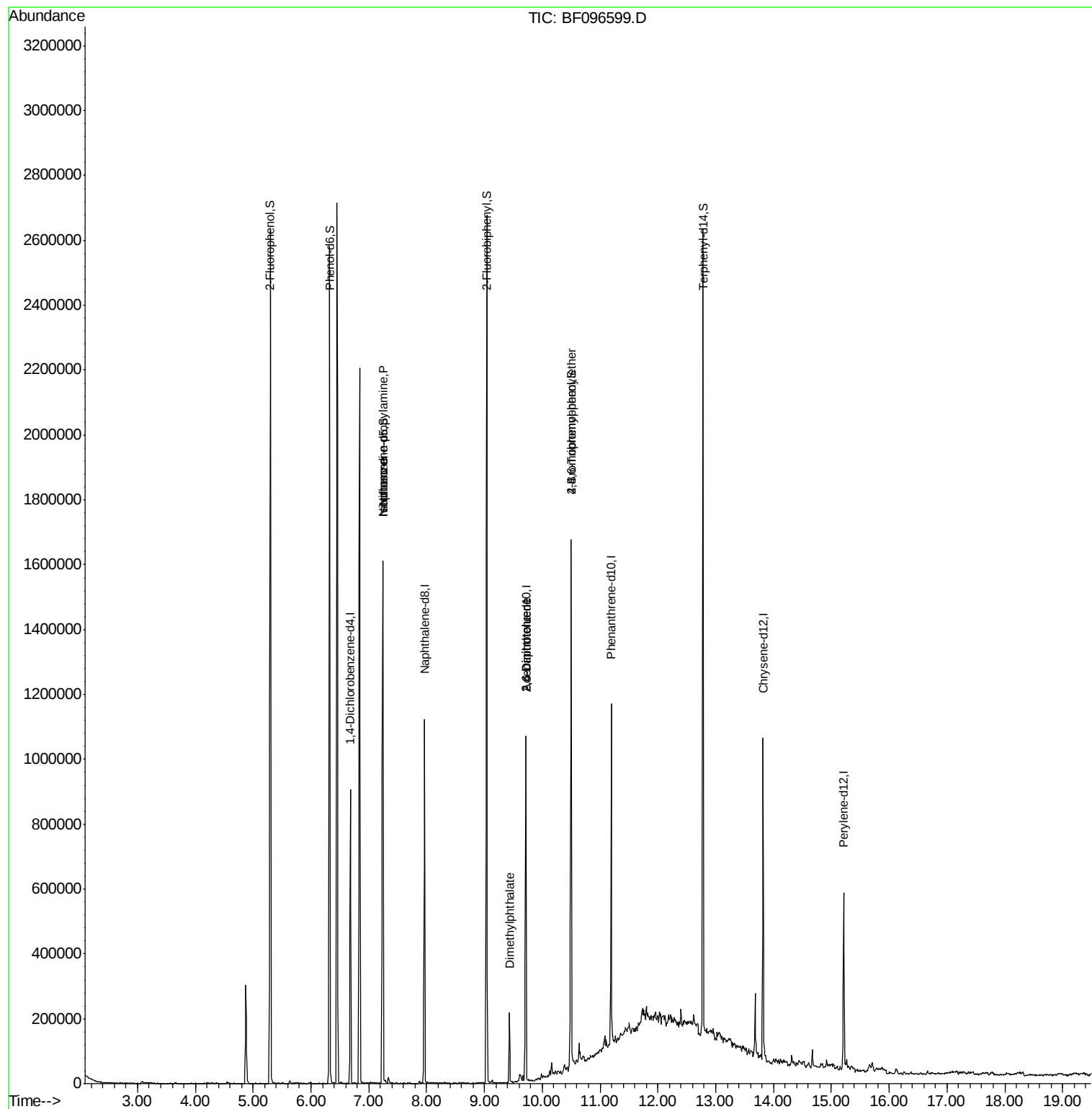
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	119880	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	513524	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	226917	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	378231	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	335091	20.00	ng	-0.02
86) Perylene-d12	15.22	264	227768	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	735569	90.56	ng	-0.01
7) Phenol-d6	6.32	99	945295	94.67	ng	-0.02
23) Nitrobenzene-d5	7.25	82	558420	65.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	196421	110.82	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	976835	73.60	ng	-0.02
78) Terphenyl-d14	12.78	244	801000	51.08	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	72284	12.15	ng	# 85
25) Isophorone	7.25	82	555138	33.50	ng	# 67
49) Dimethylphthalate	9.43	163	82128	4.85	ng	97
50) 2,6-Dinitrotoluene	9.72	165	29407	7.85	ng	# 33
56) 2,4-Dinitrotoluene	9.72	165	29407	6.20	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	12185	3.31	ng	# 1

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

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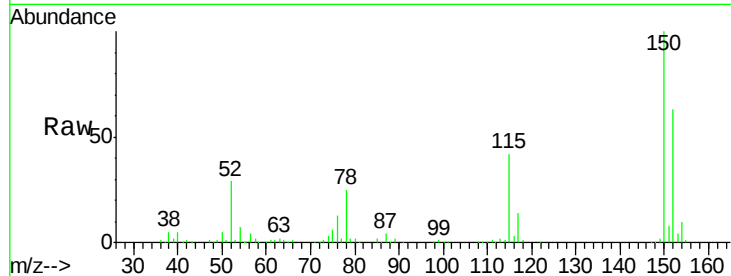


#1

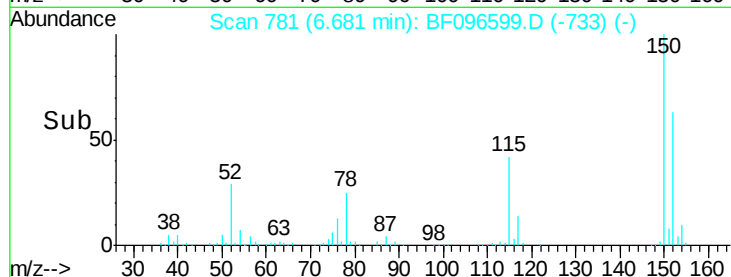
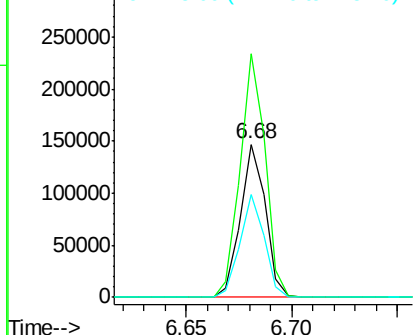
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF096599.D
Acq: 10 Jul 2017 14:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119880
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 66.8 52.2 78.2



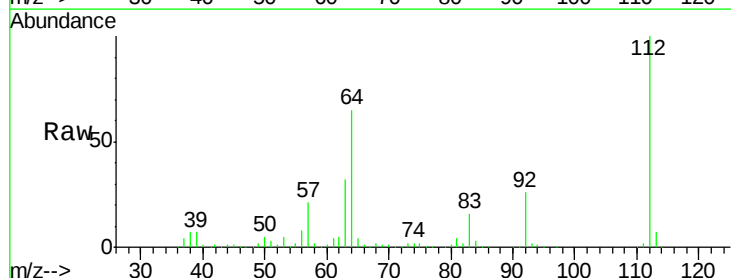
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



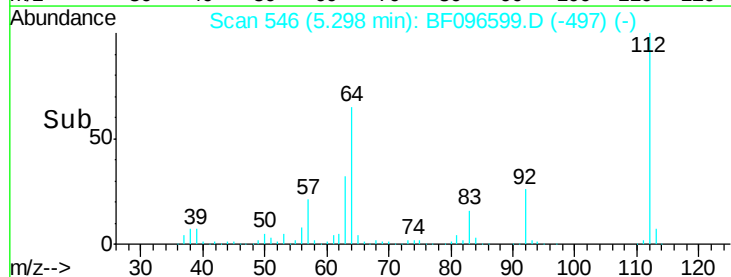
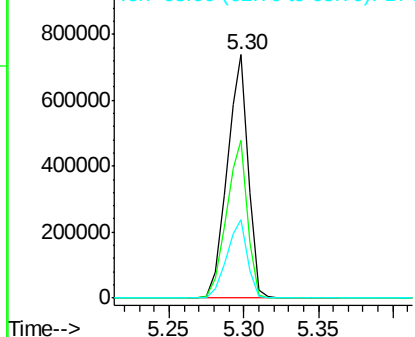
#5

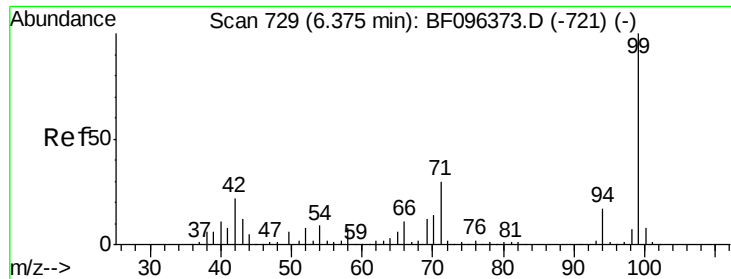
2-Fluorophenol
Concen: 90.56 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096599.D
Acq: 10 Jul 2017 14:24

Tgt Ion:112 Resp: 735569
Ion Ratio Lower Upper
112 100
64 64.6 46.0 69.0
63 32.2 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: 94.67 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

Instrument :

BNA_F

ClientSampled :

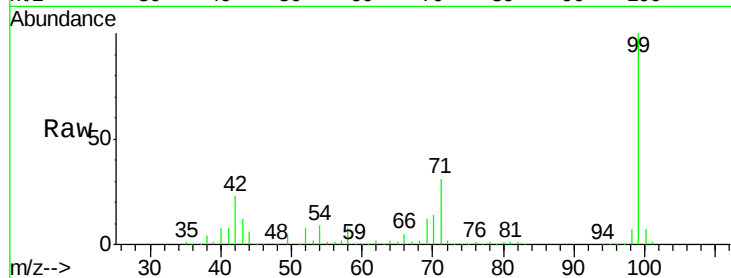
Tot Ion: 99 Resp: 945295

Ion Ratio Lower Upper

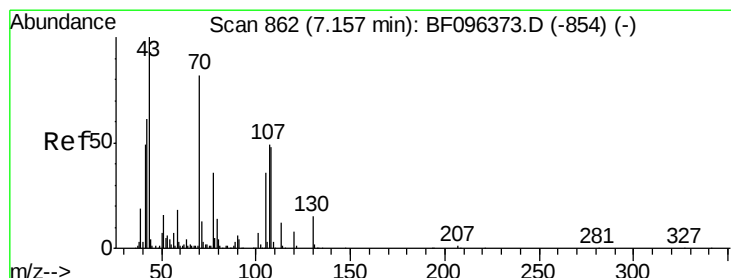
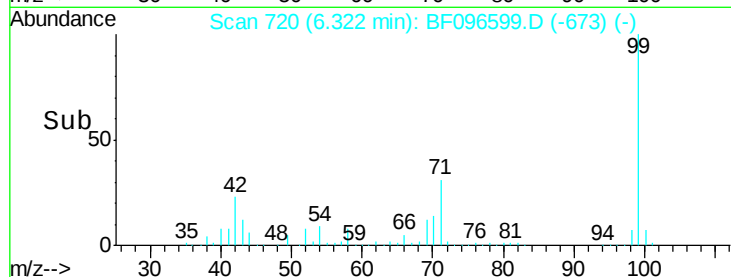
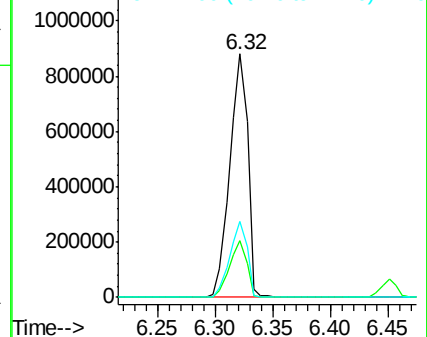
99 100

42 23.2 13.5 20.3#

71 31.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 12.15 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.11 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

Tgt Ion: 70 Resp: 72284

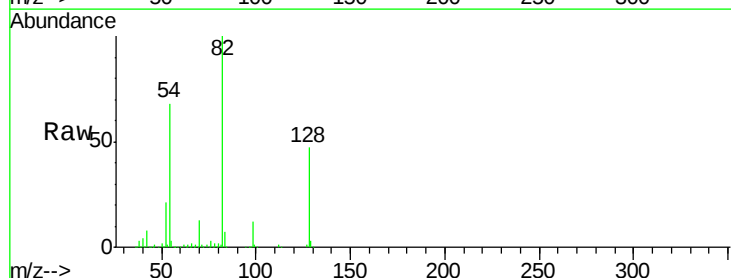
Ion Ratio Lower Upper

70 100

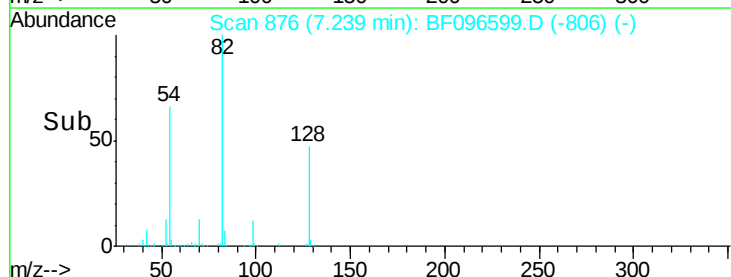
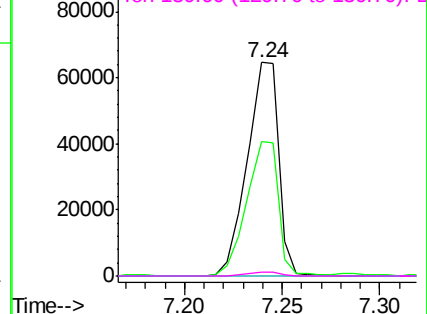
42 62.7 47.2 70.8

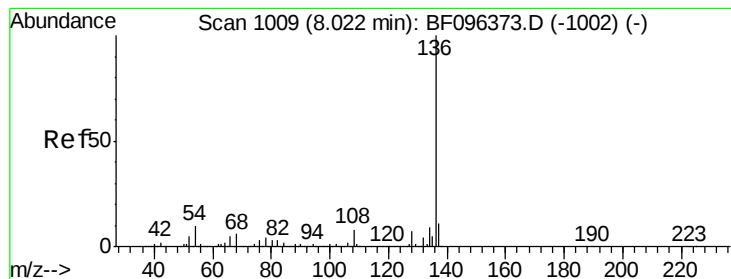
101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF096599.D

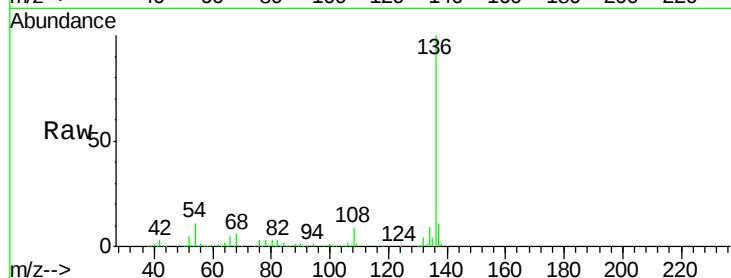
Acq: 10 Jul 2017 14:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	513524
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	10.7	4.9 7.3#
68	5.7	4.1 6.1

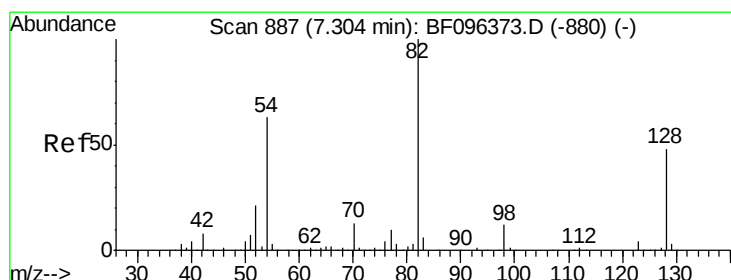
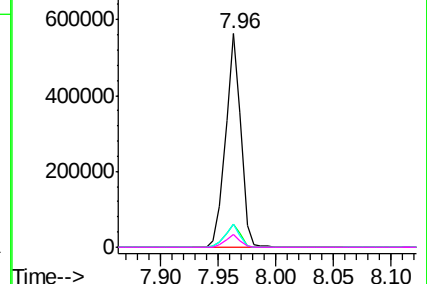
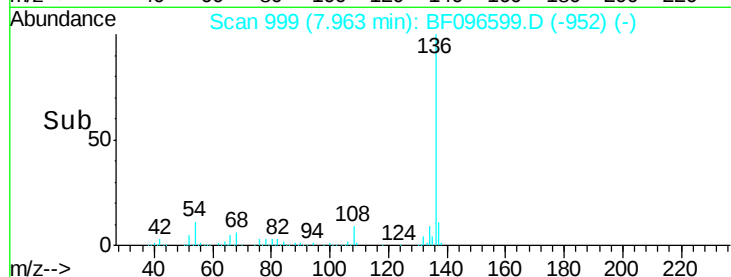


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.34 ng

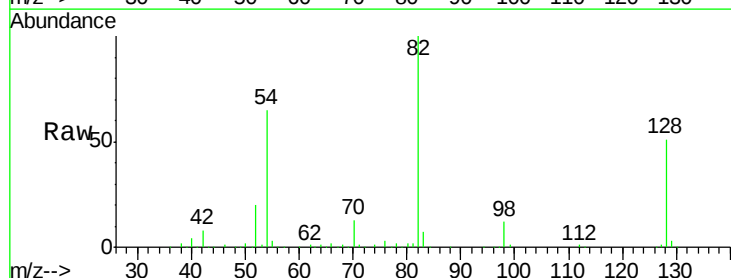
RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

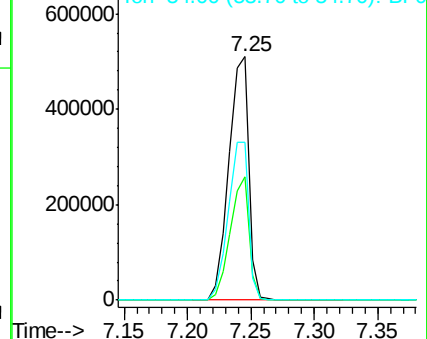
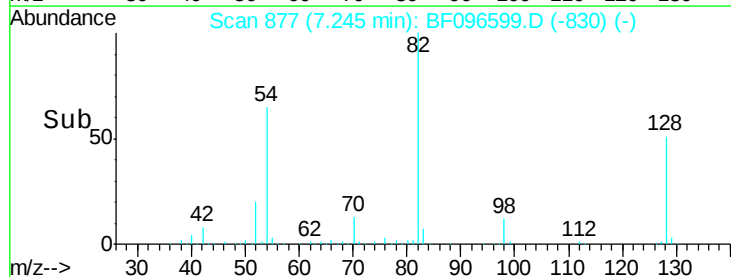
Tgt Ion: 82	Resp:	558420
Ion Ratio	Lower	Upper
82	100	
128	50.7	34.0 51.0
54	65.0	42.2 63.2#

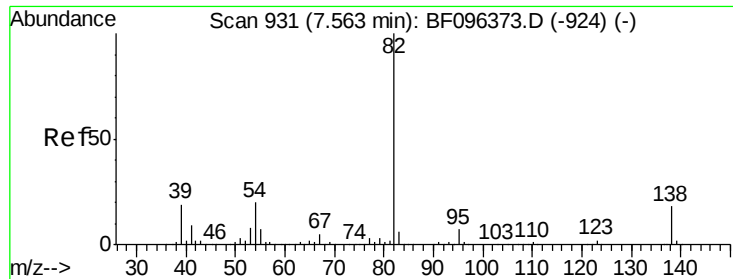


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.50 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

Instrument :

BNA_F

ClientSampleId :

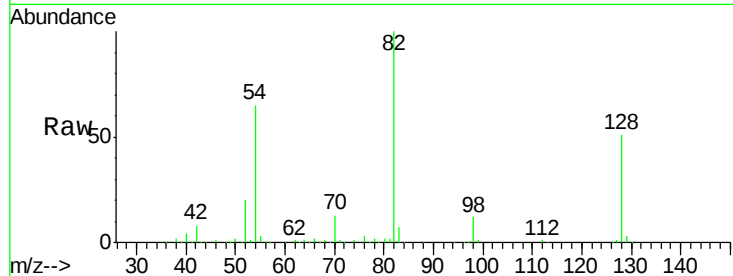
Tot Ion: 82 Resp: 555138

Ion Ratio Lower Upper

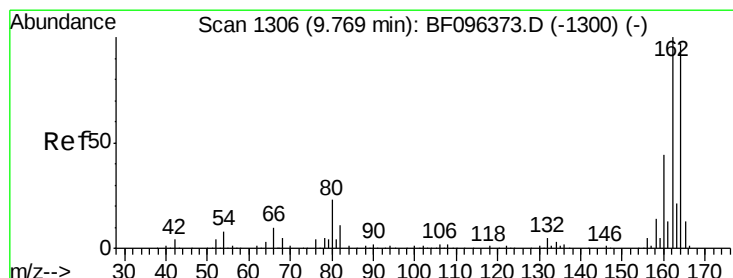
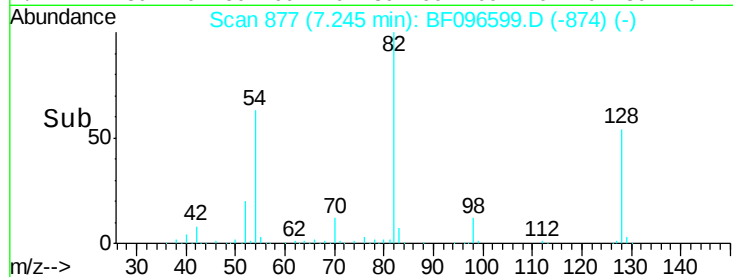
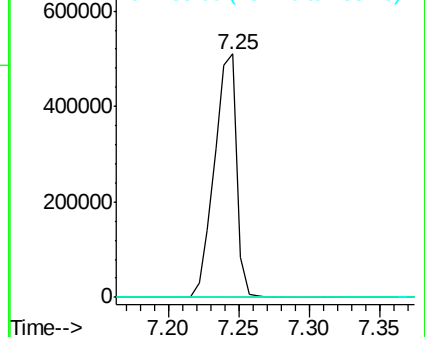
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

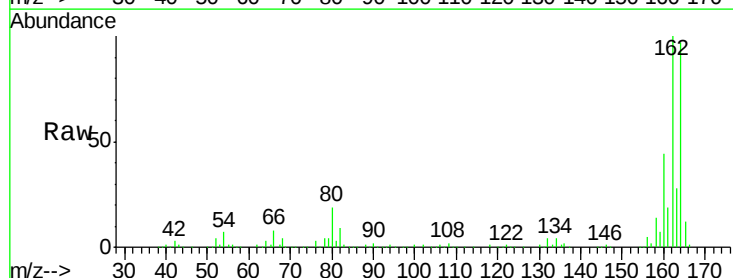
Tgt Ion: 164 Resp: 226917

Ion Ratio Lower Upper

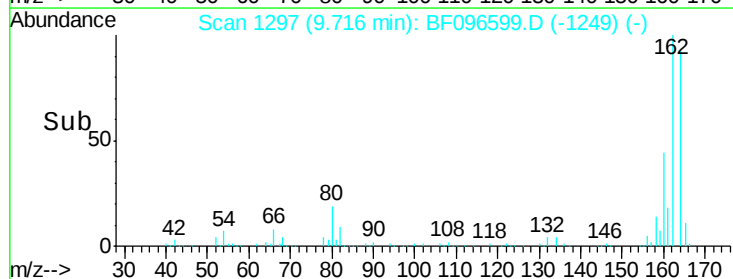
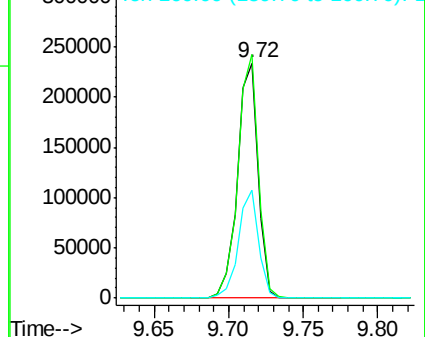
164 100

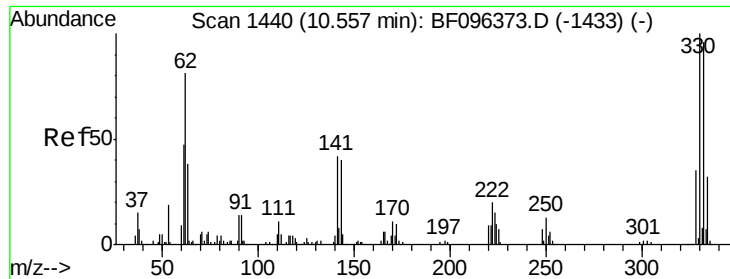
162 103.6 82.6 123.8

160 45.9 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

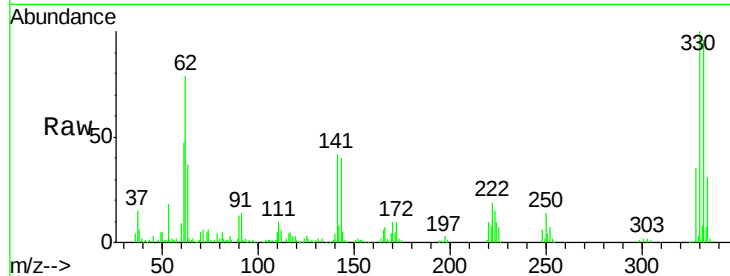




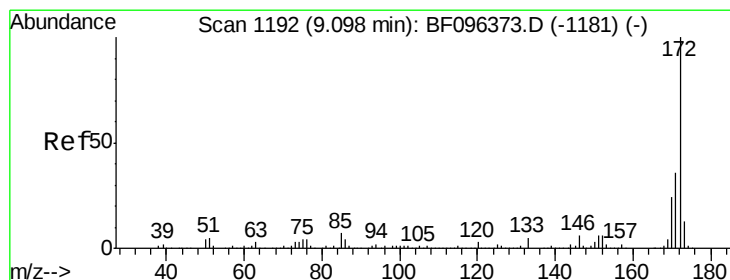
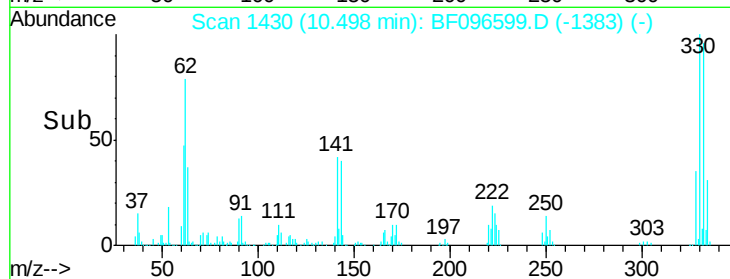
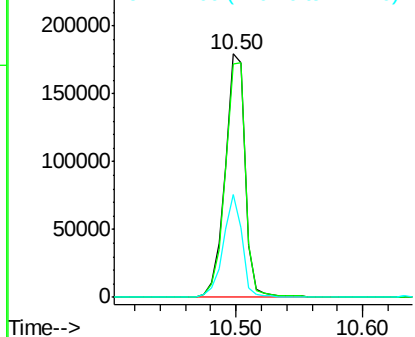
#41
 2,4,6-Tribromophenol
 Concen: 110.82 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096599.D
 Acq: 10 Jul 2017 14:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	39.7	31.4	47.2

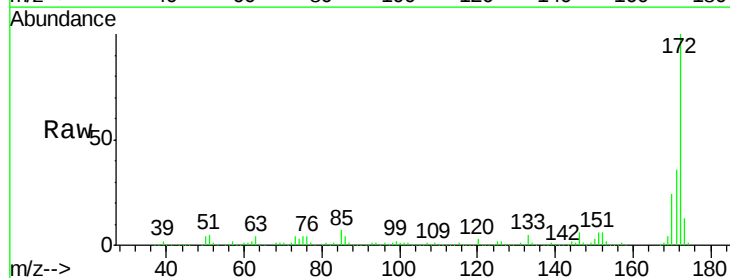


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

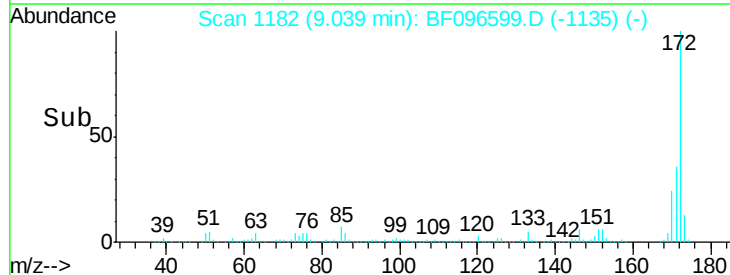
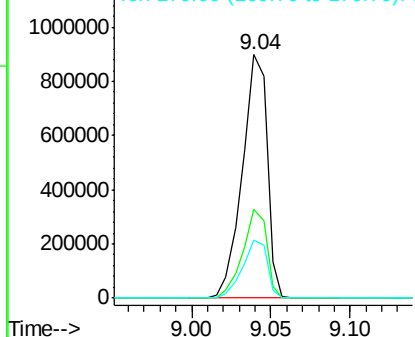


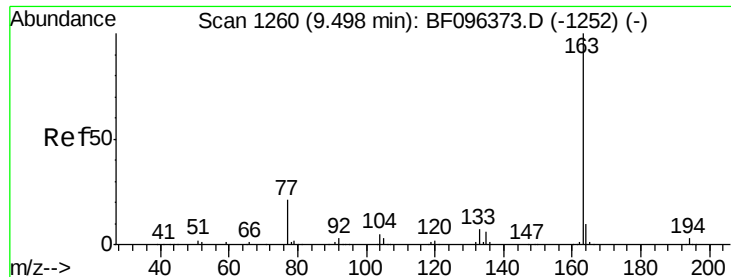
#44
 2-Fluorobiphenyl
 Concen: 73.60 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096599.D
 Acq: 10 Jul 2017 14:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.8	19.8	29.8



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

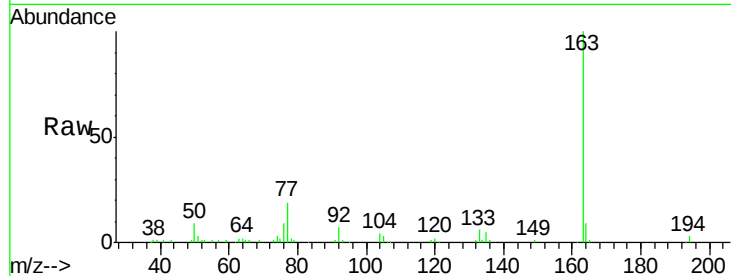




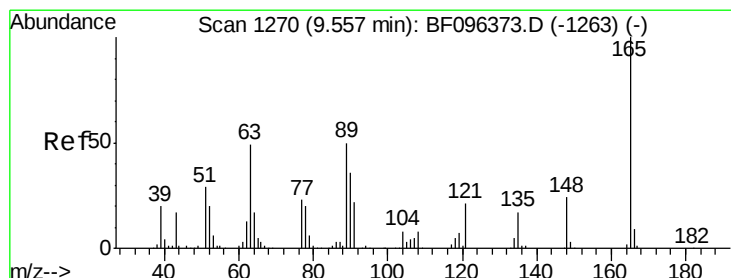
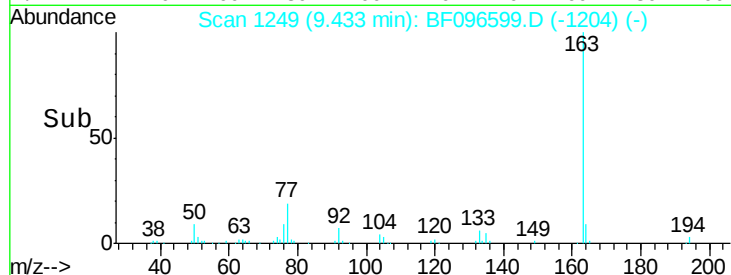
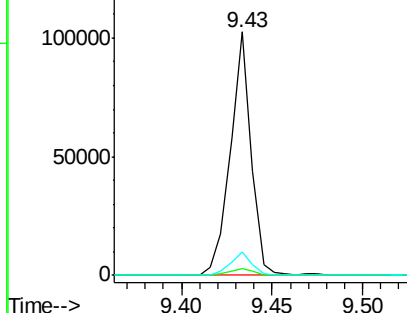
#49
Dimethylphthalate
Concen: 4.85 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096599.D
Acq: 10 Jul 2017 14:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 82128
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 9.4 8.4 12.6

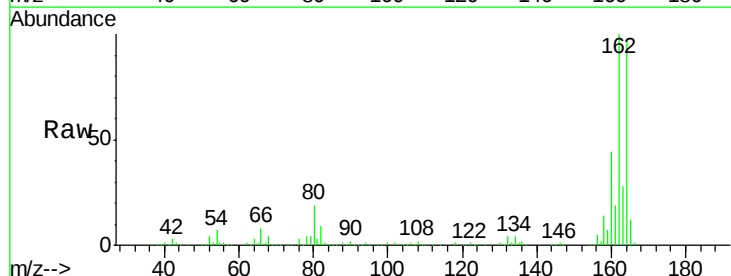


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

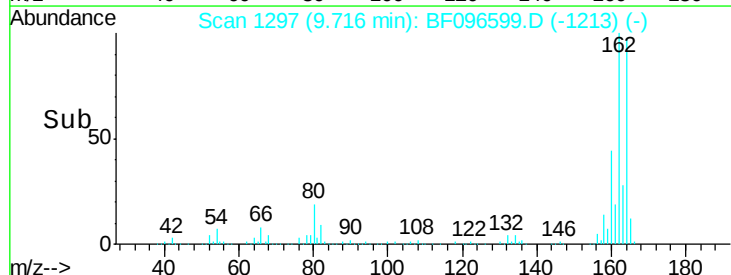
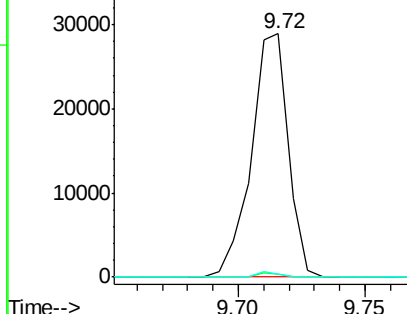


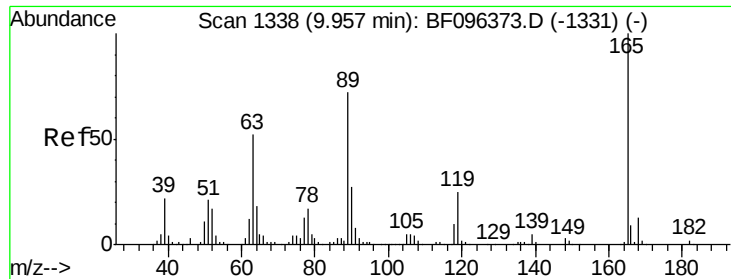
#50
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.19 min
Lab File: BF096599.D
Acq: 10 Jul 2017 14:24

Tgt Ion:165 Resp: 29407
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.2 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

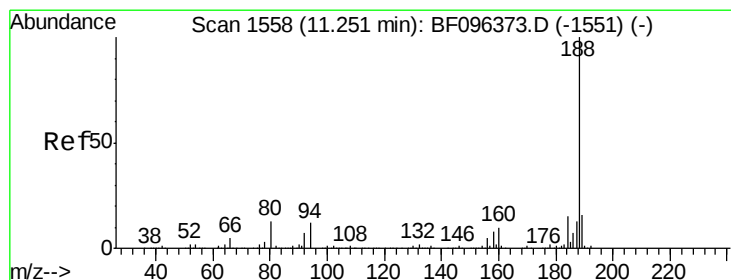
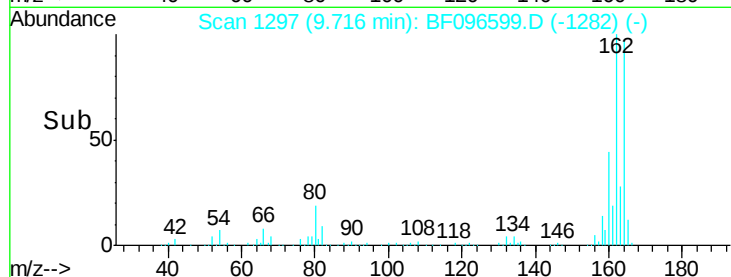
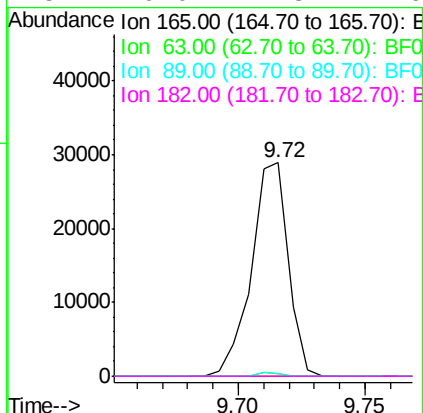
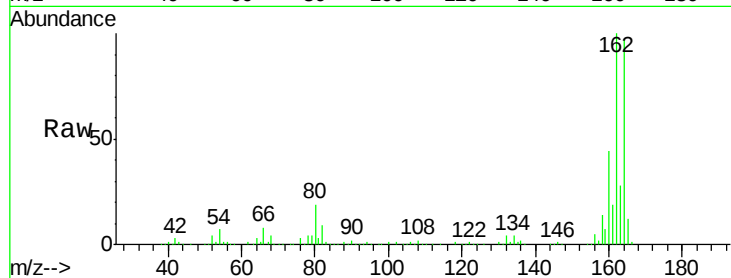




#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096599.D
 Acq: 10 Jul 2017 14:24

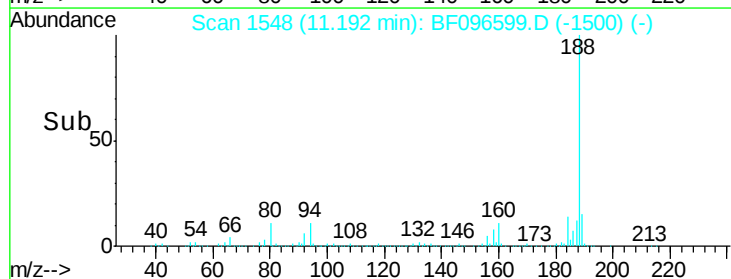
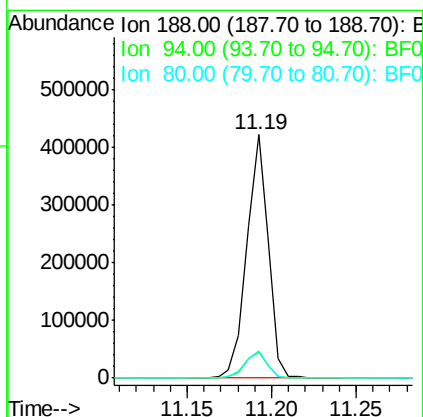
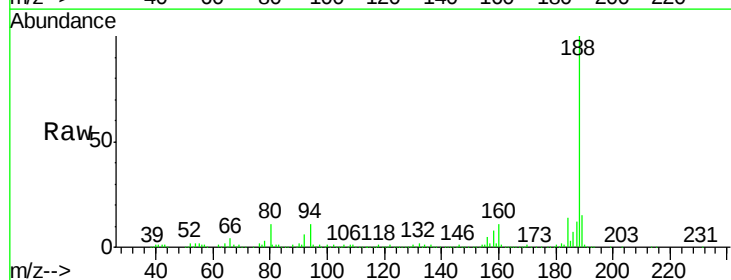
Instrument :
 BNA_F
 ClientSampleId :

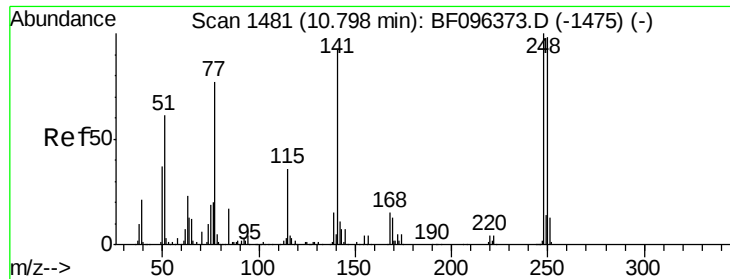
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096599.D
 Acq: 10 Jul 2017 14:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.2	10.2	15.2

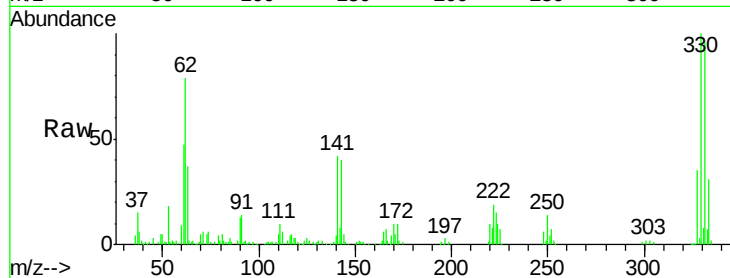




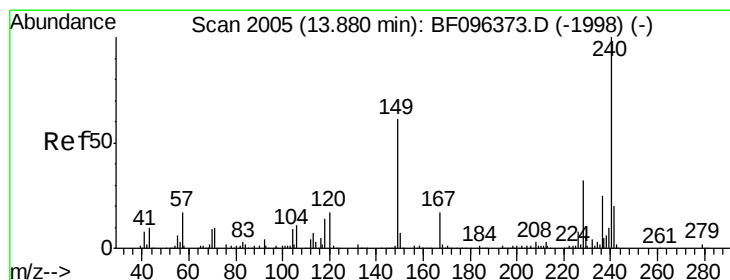
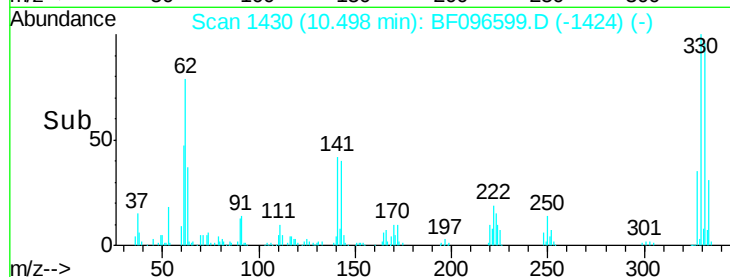
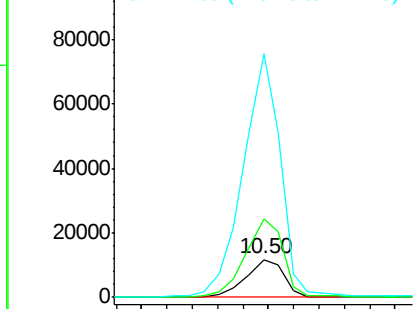
#66
 4-Bromophenyl-phenylether
 Concen: 3.31 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF096599.D
 Acq: 10 Jul 2017 14:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12185
 Ion Ratio Lower Upper
 248 100
 250 210.2 76.8 115.2#
 141 648.7 68.6 103.0#

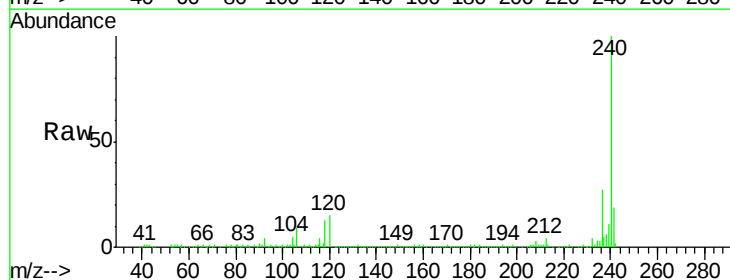


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

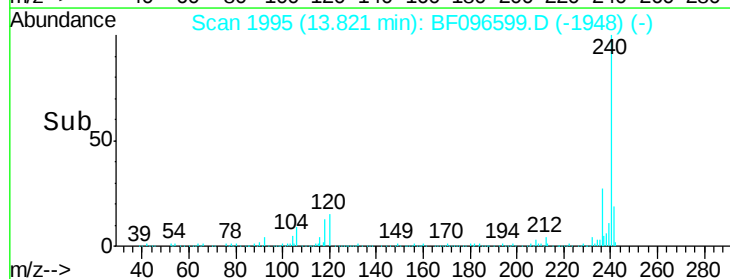
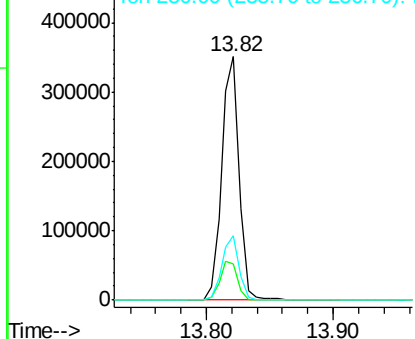


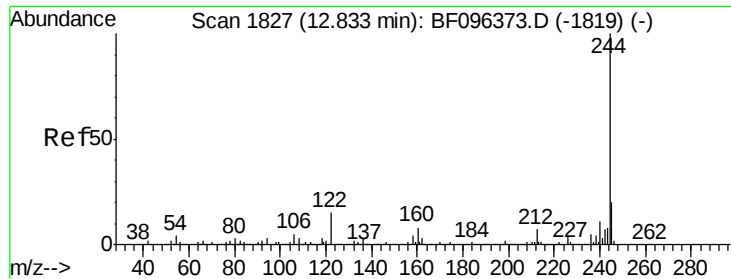
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF096599.D
 Acq: 10 Jul 2017 14:24

Tgt Ion:240 Resp: 335091
 Ion Ratio Lower Upper
 240 100
 120 14.8 5.8 8.8#
 236 26.7 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





#78

Terphenyl-d14

Concen: 51.08 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

Instrument :

BNA_F

ClientSampleId :

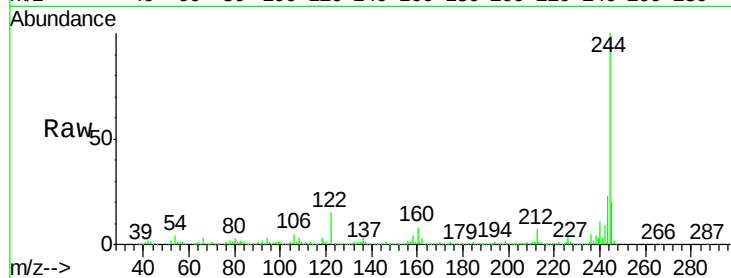
Tot Ion:244 Resp: 801000

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

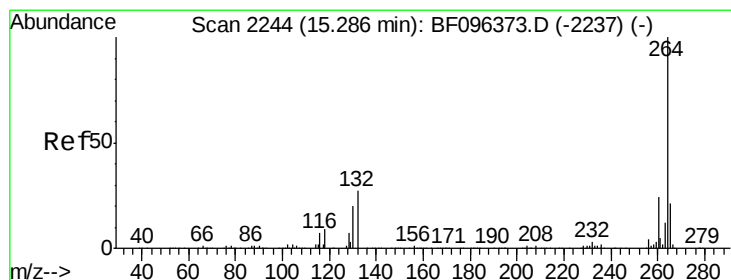
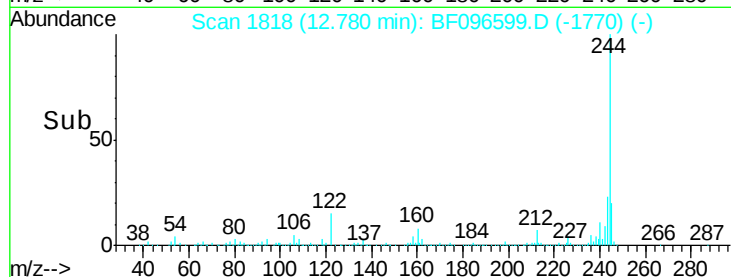
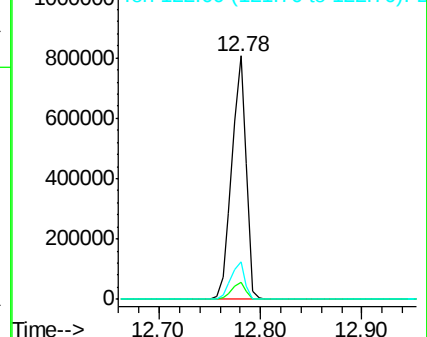
122 15.2 10.3 15.5



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: 15.22 min Scan# 2232

Delta R.T. -0.03 min

Lab File: BF096599.D

Acq: 10 Jul 2017 14:24

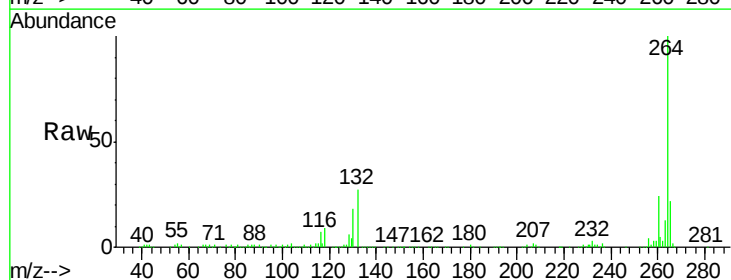
Tgt Ion:264 Resp: 227768

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 22.1 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

