

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088445.D
 Acq On : 27 Jun 2016 8:56
 Operator : UM/SJ
 Sample : H3698-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:05:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

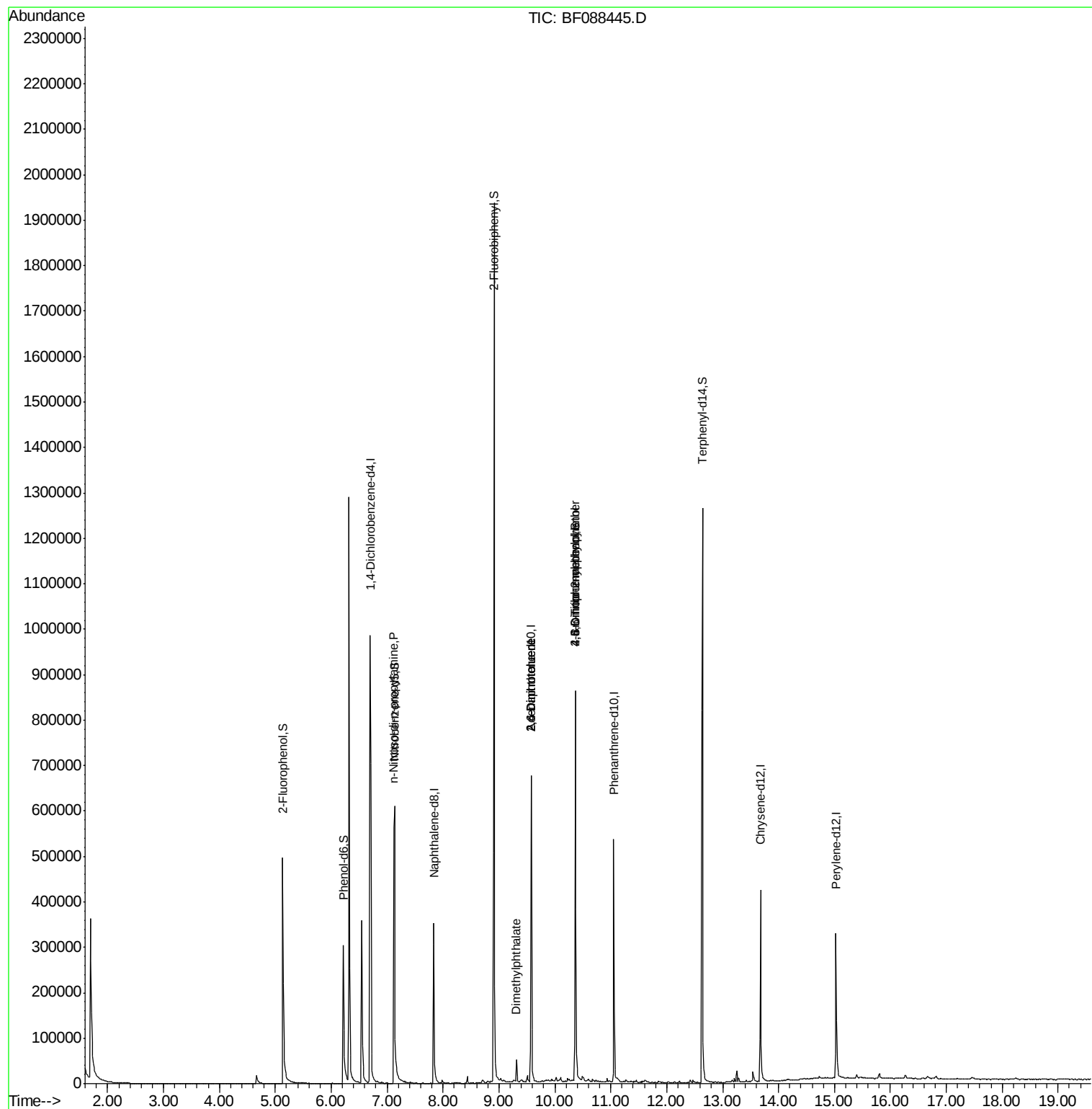
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	236196	20.00	ng	-0.15
21) Naphthalene-d8	7.84	136	287803	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	133047	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	220147	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	163284	20.00	ng	-0.31
86) Perylene-d12	15.03	264	139828	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	240849	17.43	ng	-0.30
7) Phenol-d6	6.22	99	179581	10.72	ng	-0.26
23) Nitrobenzene-d5	7.13	82	373342	75.75	ng	-0.29
41) 2,4,6-Tribromophenol	10.36	330	132131	94.05	ng	-0.31
44) 2-Fluorobiphenyl	8.91	172	660394	77.49	ng	-0.30
78) Terphenyl-d14	12.64	244	535058	74.57	ng	-0.31
Target Compounds						
10) Phenol	6.32	94	579	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	47030	4.39	ng	# 72
45) 1,1'-Biphenyl	8.91	154	1202	Below Cal	#	1
49) Dimethylphthalate	9.31	163	21222	2.20	ng	# 98
50) 2,6-Dinitrotoluene	9.58	165	16488	7.47	ng	# 39
56) 2,4-Dinitrotoluene	9.58	165	16489	5.81	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.36	198	206	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.36	248	7673	3.25	ng	# 1

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

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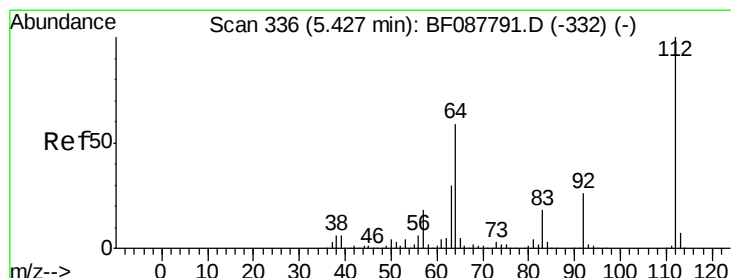
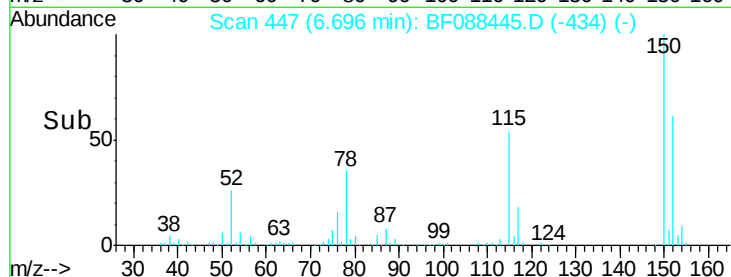
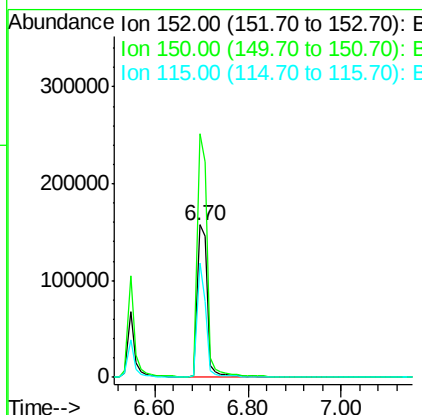
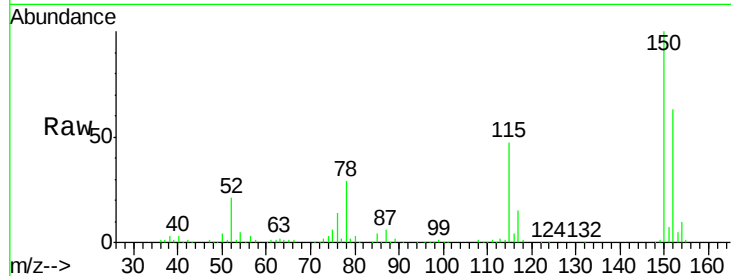


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.15 min
Lab File: BF088445.D
Acq: 27 Jun 2016 8:56

Instrument :
BNA_F
ClientSampleId :

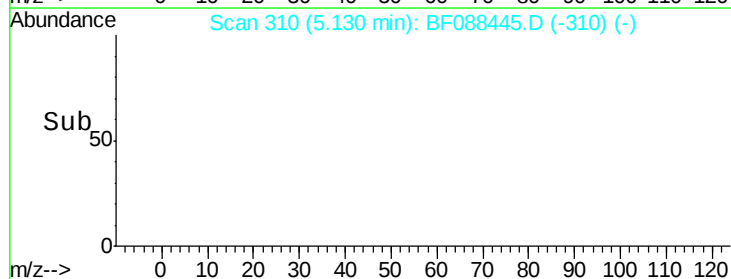
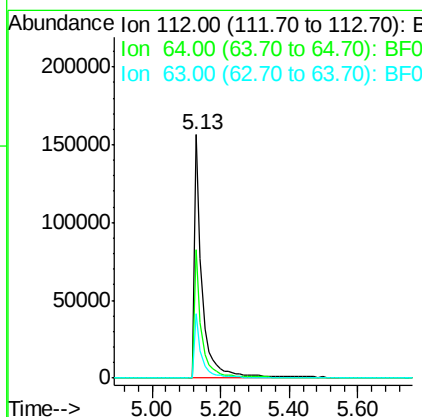
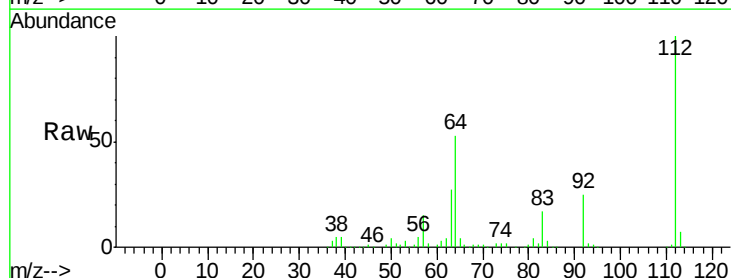
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	123.8	185.6
115	75.5	39.6	59.4

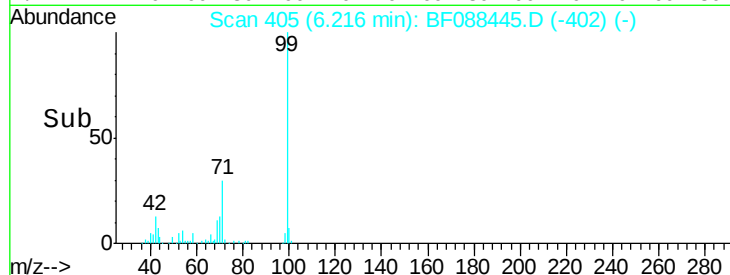
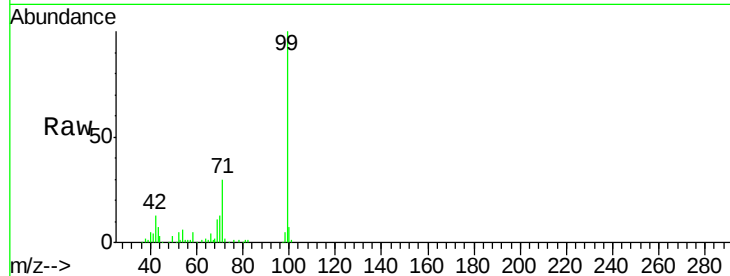


#5

2-Fluorophenol
Concen: 17.43 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.30 min
Lab File: BF088445.D
Acq: 27 Jun 2016 8:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.2	63.2
63	26.7	21.8	32.8





#7

Phenol-d6

Concen: 10.72 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088445.D

Acq: 27 Jun 2016 8:56

Instrument :

BNA_F

ClientSampleId :

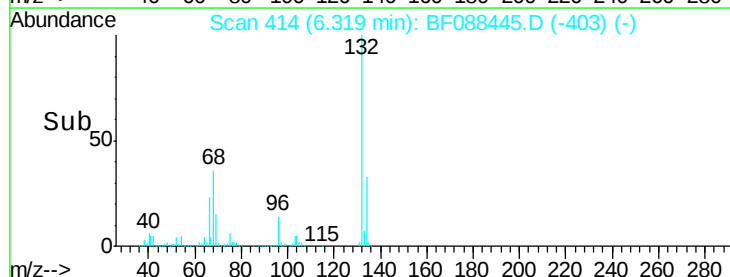
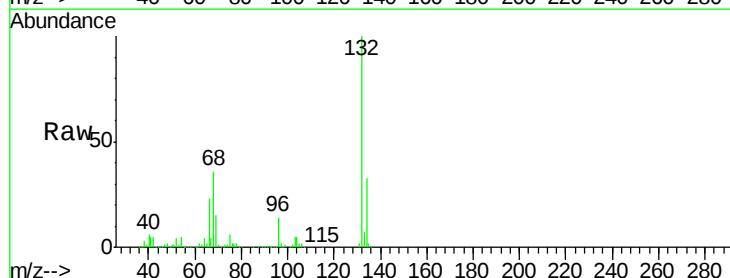
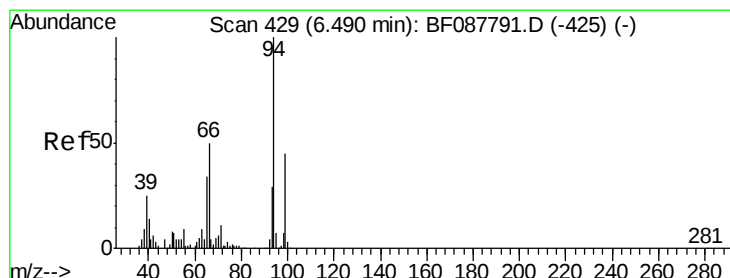
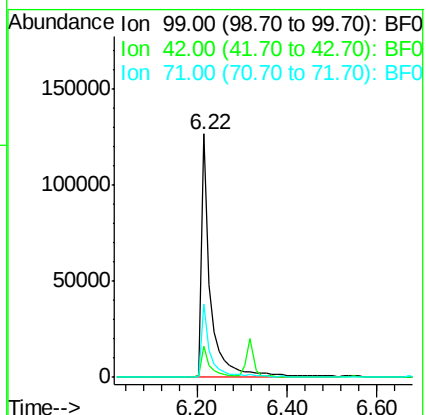
Tot Ion: 99 Resp: 179581

Ion Ratio Lower Upper

99 100

42 13.0 12.2 18.2

71 29.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.32 min Scan# 414

Delta R.T. -0.17 min

Lab File: BF088445.D

Acq: 27 Jun 2016 8:56

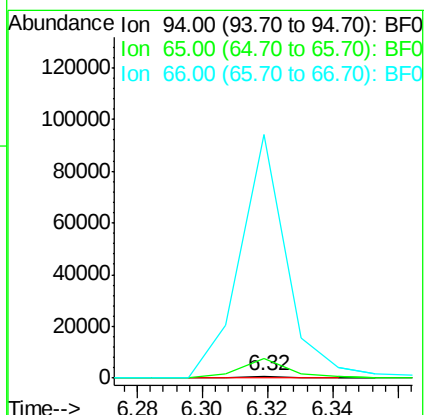
Tgt Ion: 94 Resp: 579

Ion Ratio Lower Upper

94 100

65 888.6 5.9 45.9#

66 11141.3 14.0 54.0#





#19

n-Nitroso-di-n-propylamine

Concen: 4.39 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.15 min

Lab File: BF088445.D

Acq: 27 Jun 2016 8:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47030

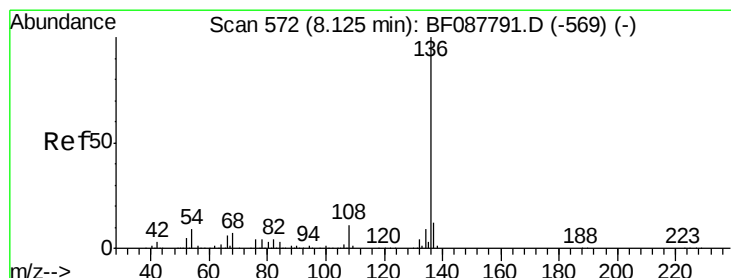
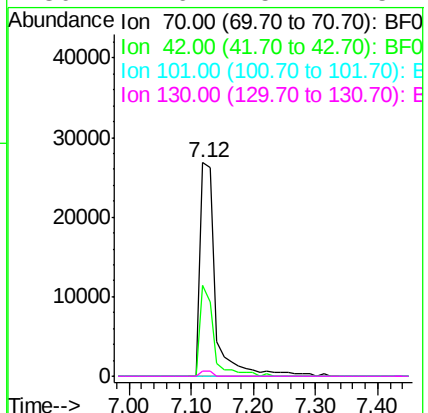
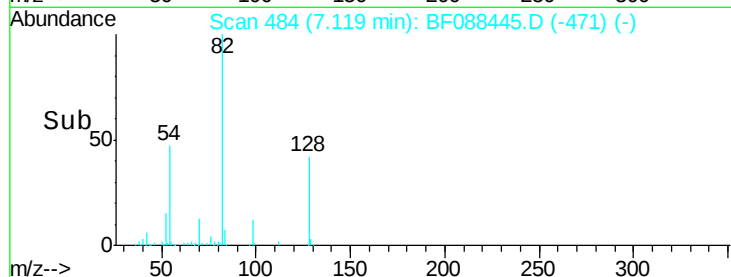
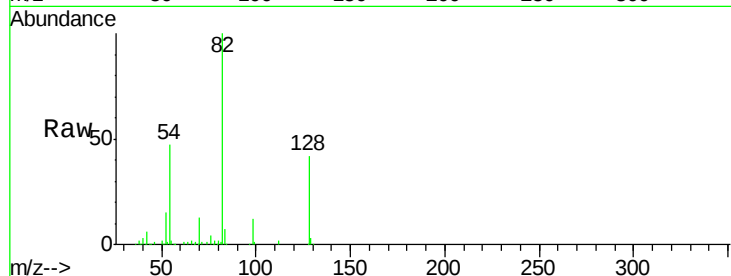
Ion Ratio Lower Upper

70 100

42 42.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.29 min

Lab File: BF088445.D

Acq: 27 Jun 2016 8:56

Tgt Ion: 136 Resp: 287803

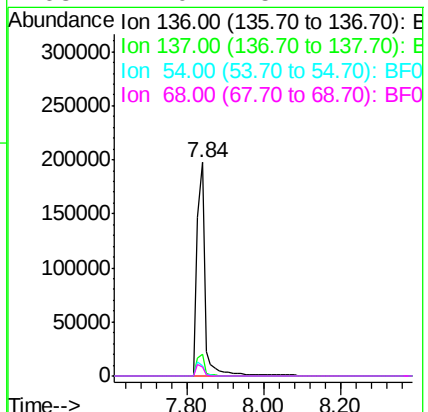
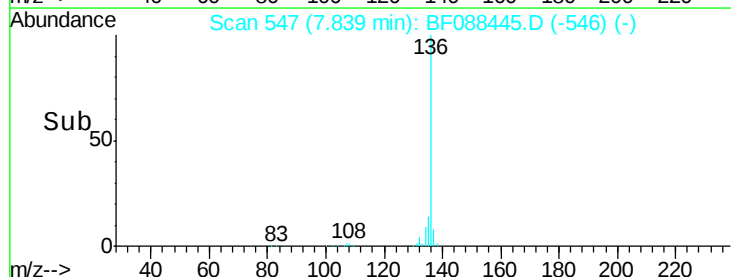
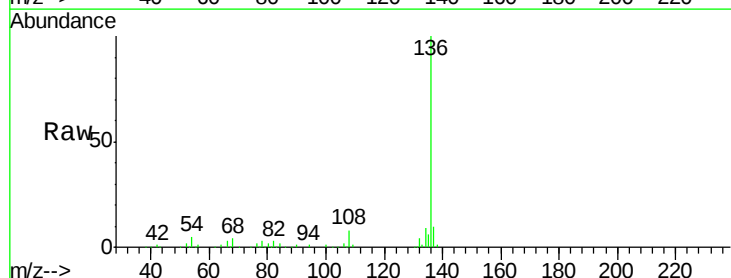
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 4.6 6.6 10.0#

68 4.0 5.1 7.7#

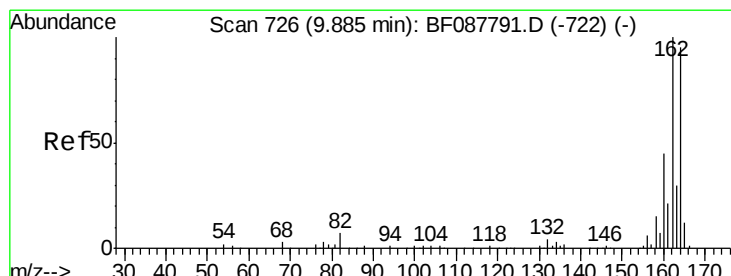
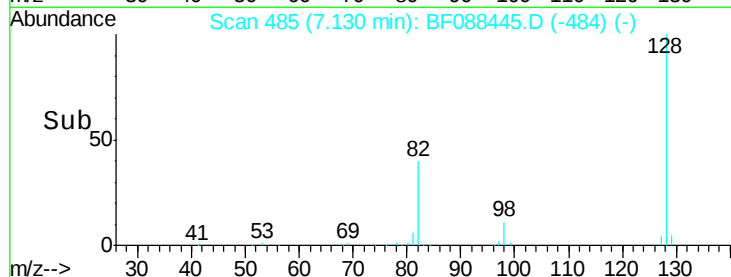
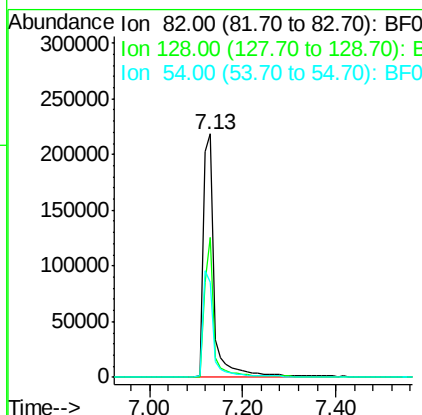
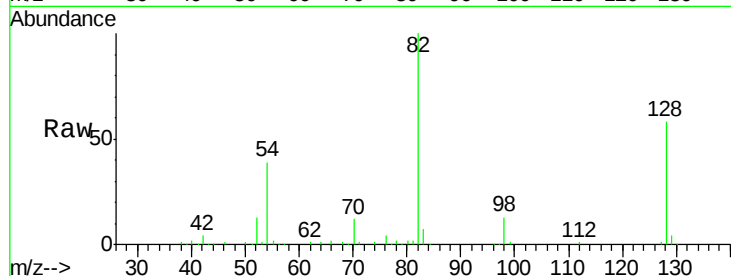




#23
 Nitrobenzene-d5
 Concen: 75.75 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.29 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

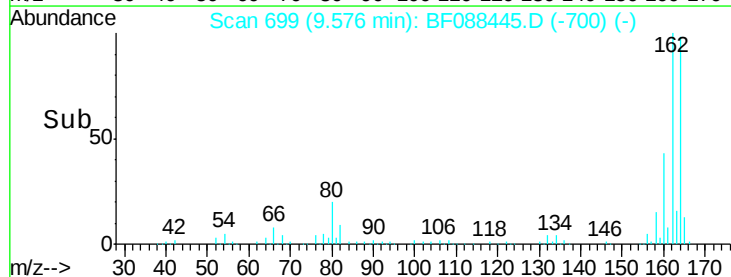
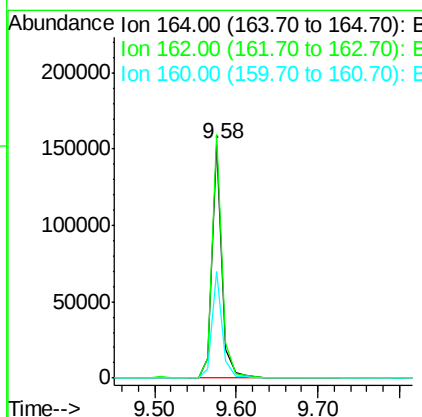
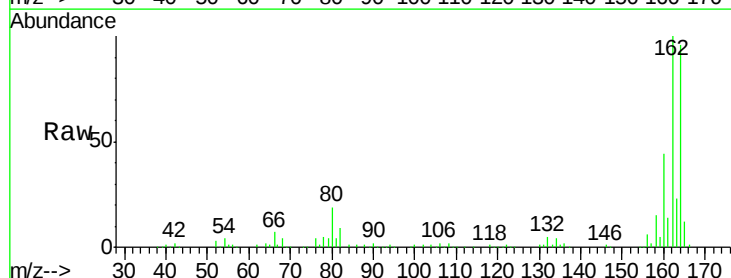
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 373342
 Ion Ratio Lower Upper
 82 100
 128 57.6 35.9 53.9#
 54 38.9 40.9 61.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.31 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

Tgt Ion:164 Resp: 133047
 Ion Ratio Lower Upper
 164 100
 162 104.2 85.4 128.2
 160 45.8 39.5 59.3

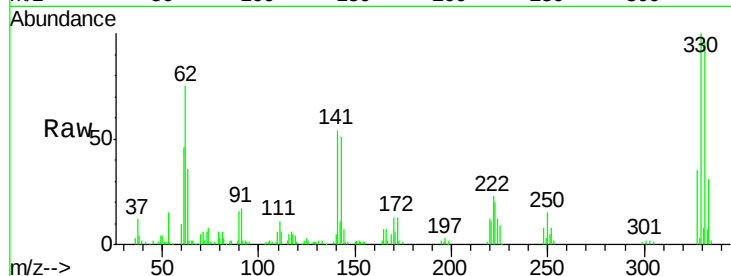




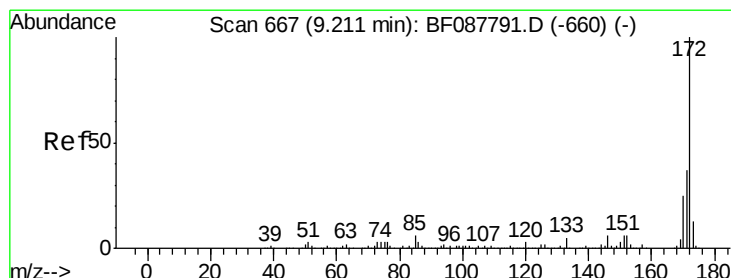
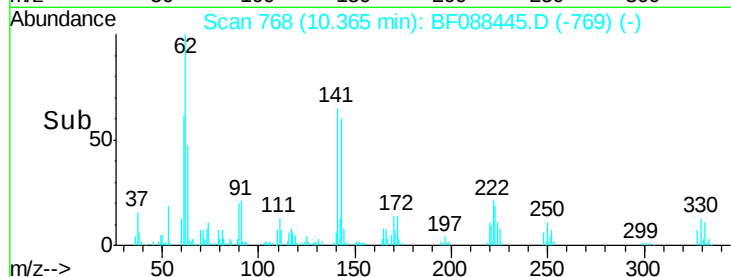
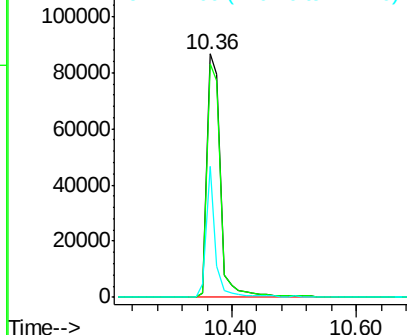
#41
 2,4,6-Tribromophenol
 Concen: 94.05 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	37.0	0.0	0.0#

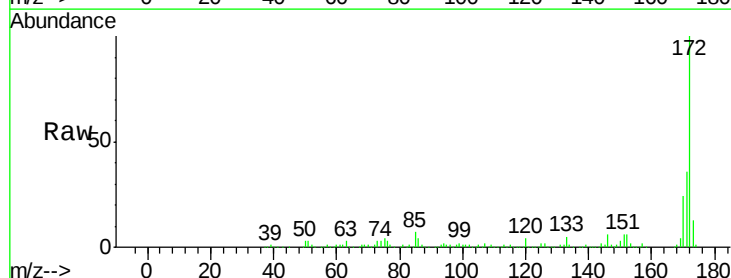


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

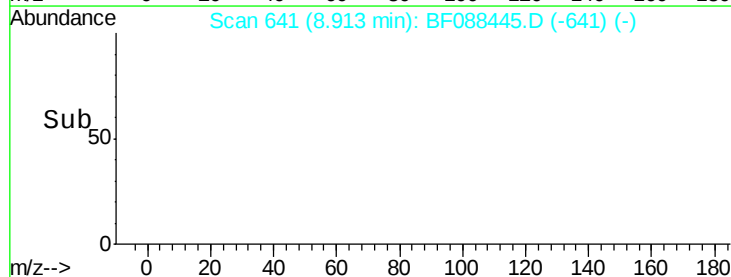
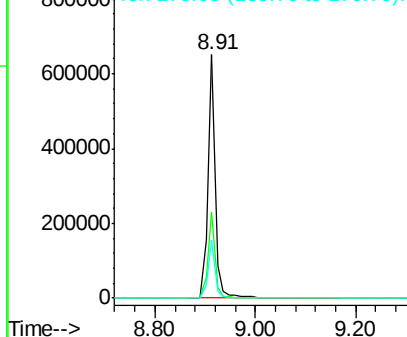


#44
 2-Fluorobiphenyl
 Concen: 77.49 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.0	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.91 min Scan# 641

Delta R.T. -0.39 min

Lab File: BF088445.D

Acq: 27 Jun 2016 8:56

Instrument :

BNA_F

ClientSampleId :

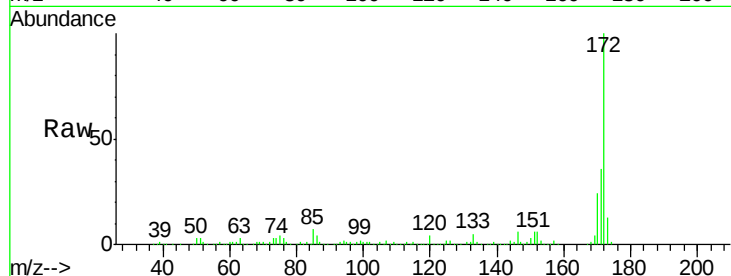
Tot Ion:154 Resp: 1202

Ion Ratio Lower Upper

154 100

153 953.0 20.6 60.6#

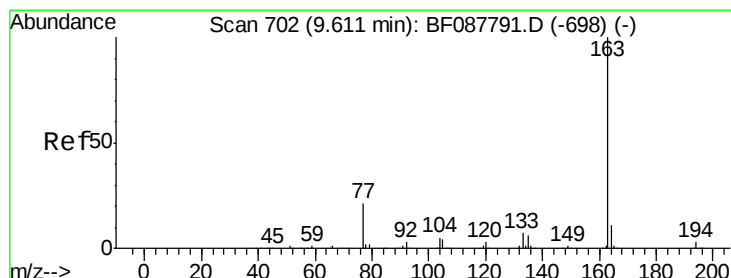
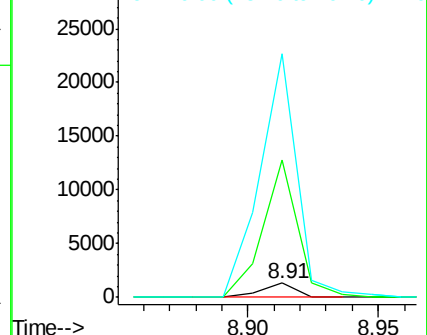
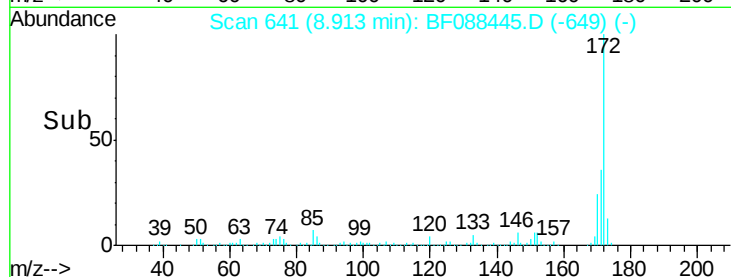
76 1686.3 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 2.20 ng

RT: 9.31 min Scan# 676

Delta R.T. -0.30 min

Lab File: BF088445.D

Acq: 27 Jun 2016 8:56

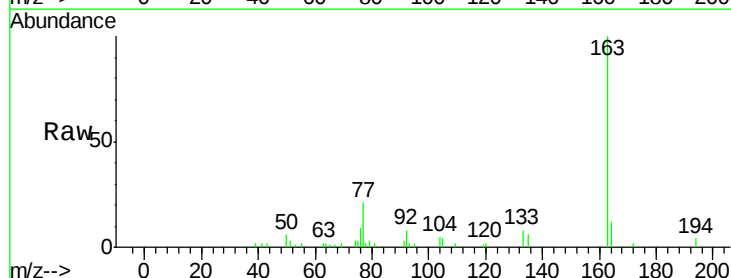
Tgt Ion:163 Resp: 21222

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

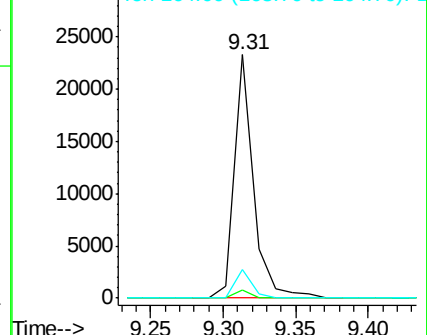
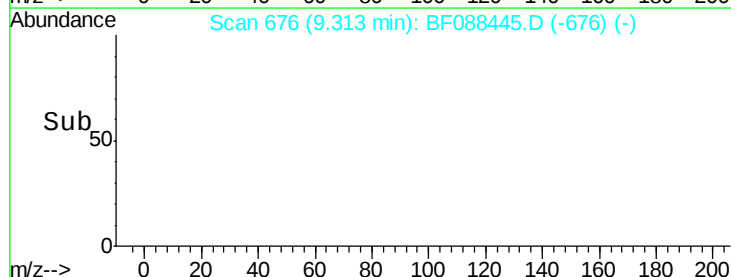
164 11.5 8.3 12.5

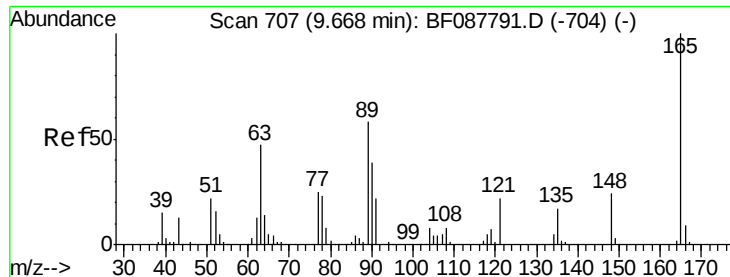


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

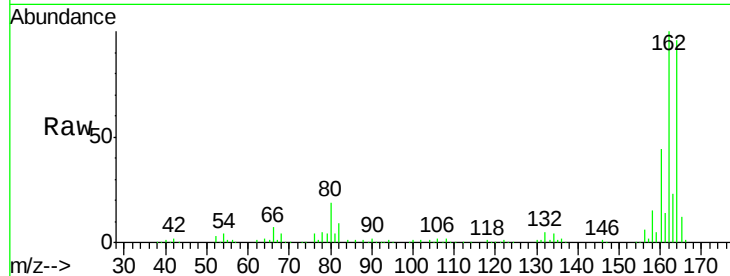




#50
 2,6-Dinitrotoluene
 Concen: 7.47 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.09 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

Instrument :
 BNA_F
 ClientSampled :

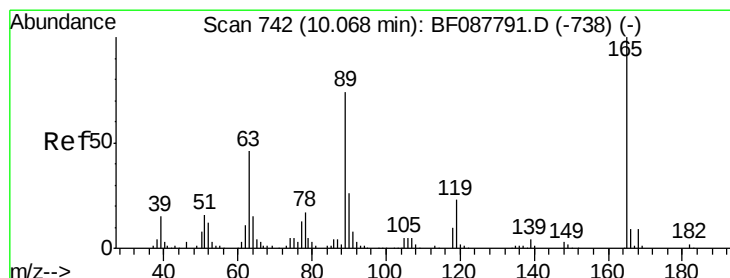
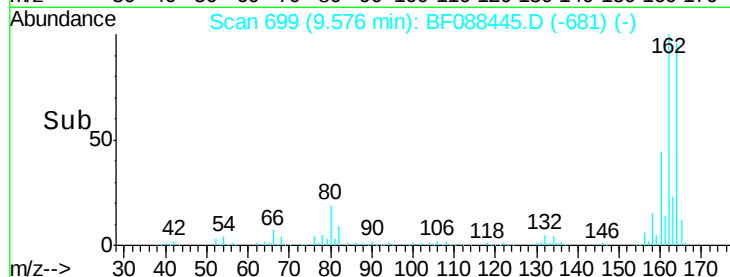
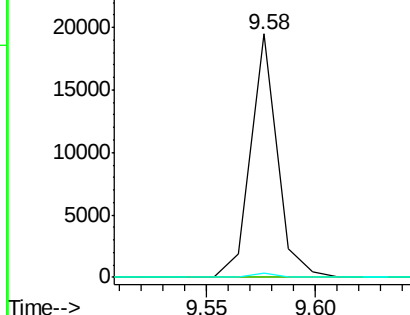
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.7	32.2	48.2#



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: 5.81 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.49 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

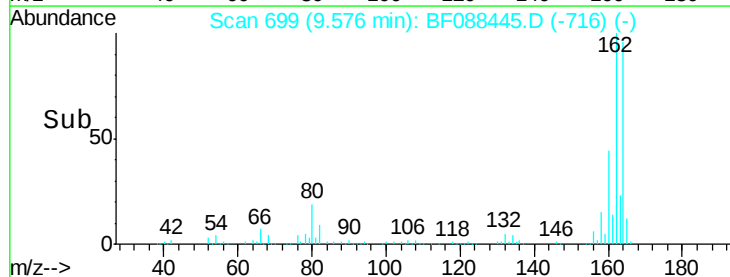
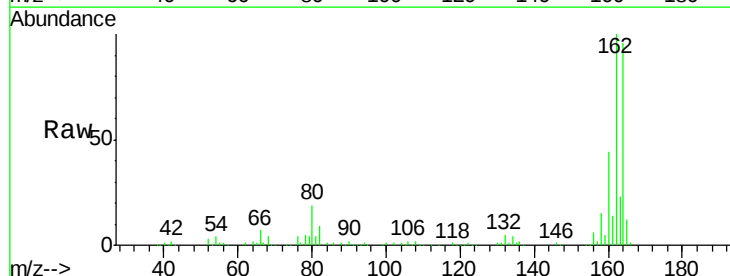
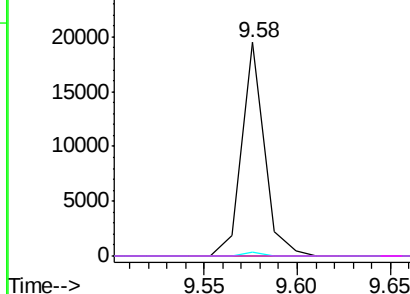
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

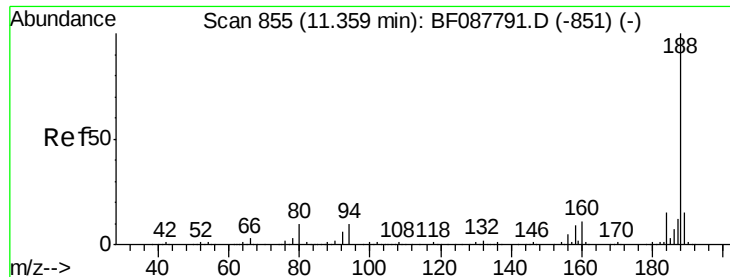
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

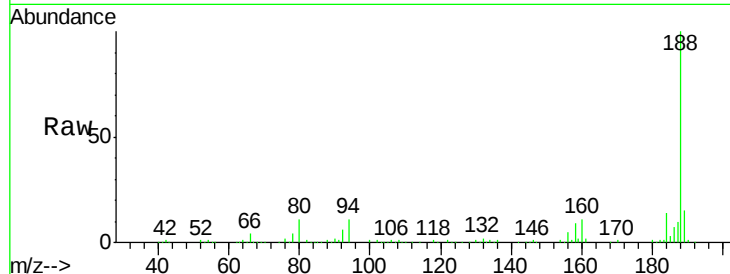




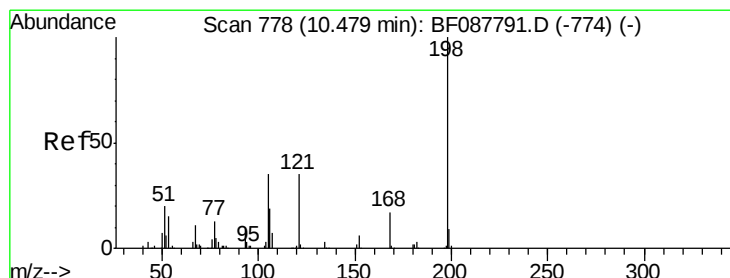
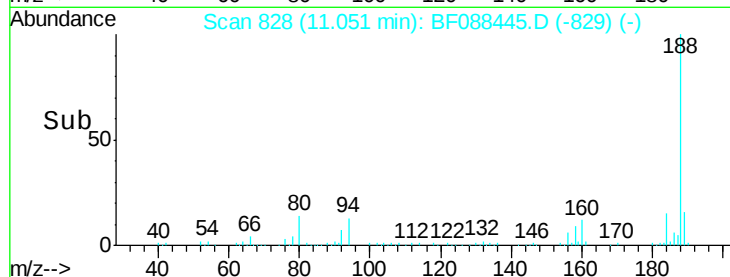
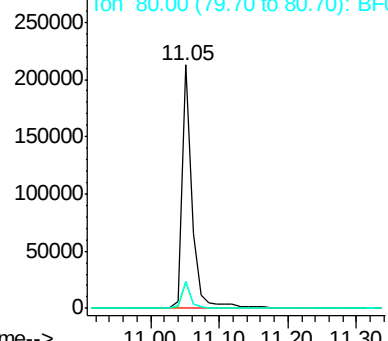
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.31 min
Lab File: BF088445.D
Acq: 27 Jun 2016 8:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 220147
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.6
80 11.4 10.0 15.0

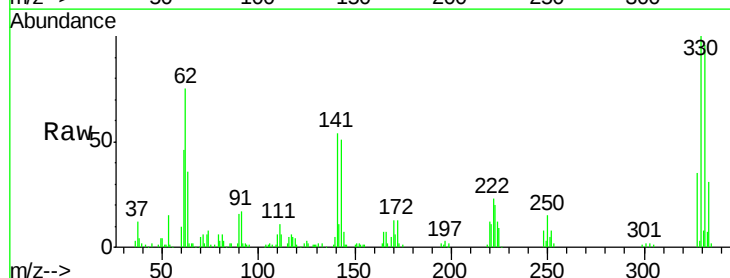


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

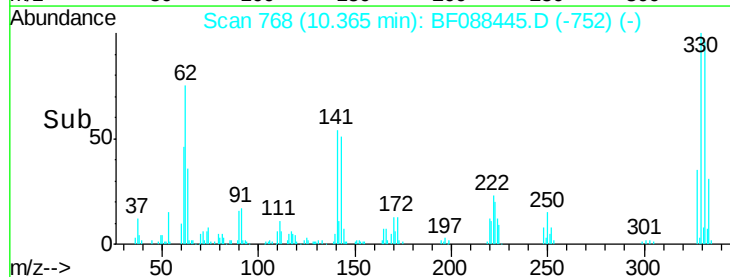
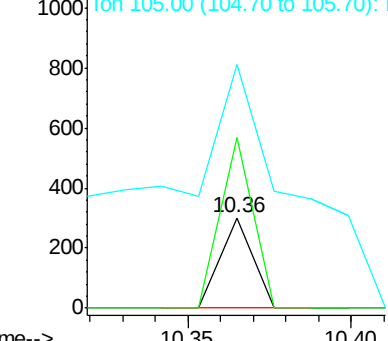


#64
4,6-Dinitro-2-methylphenol
Concen: 2.31 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.11 min
Lab File: BF088445.D
Acq: 27 Jun 2016 8:56

Tgt Ion:198 Resp: 206
Ion Ratio Lower Upper
198 100
51 190.0 39.6 79.6#
105 270.3 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

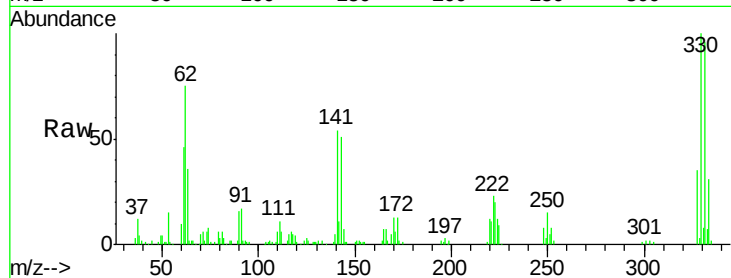




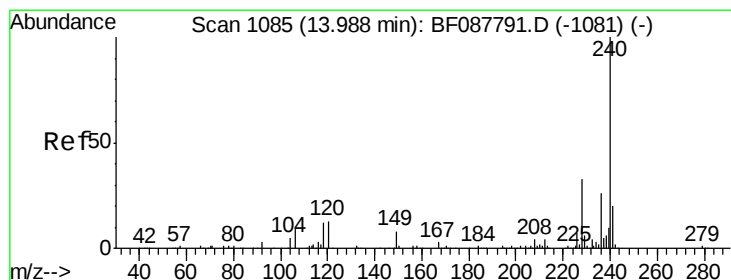
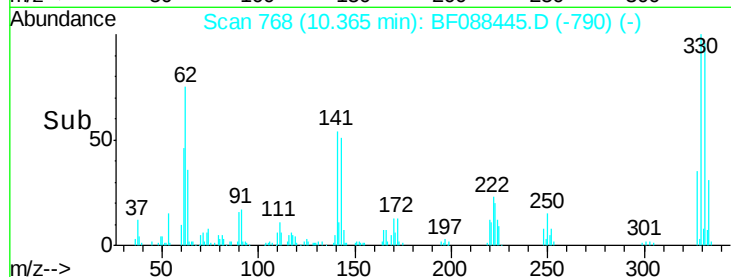
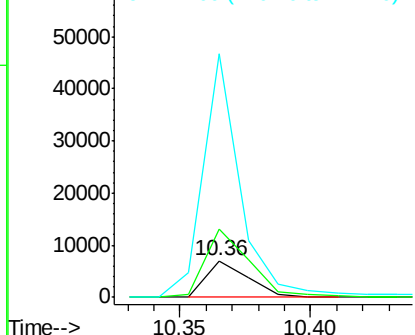
#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.55 min
Lab File: BF088445.D
Acq: 27 Jun 2016 8:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7673
Ion Ratio Lower Upper
248 100
250 188.9 77.1 115.7#
141 667.7 50.6 76.0#

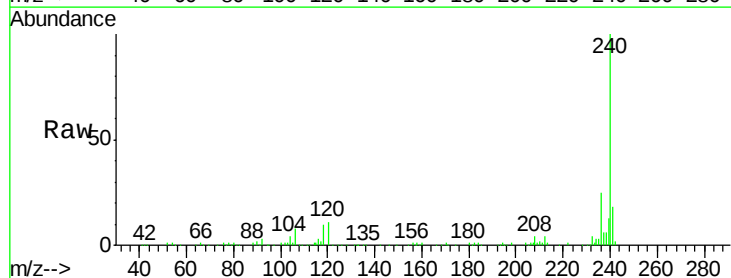


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

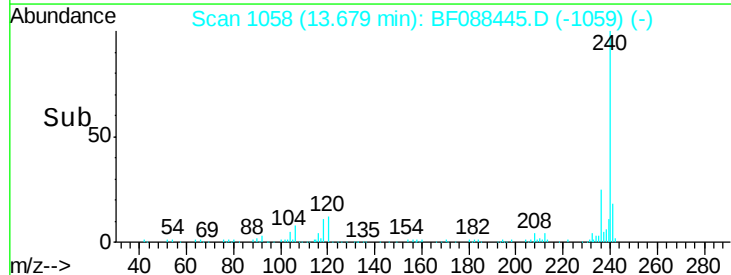
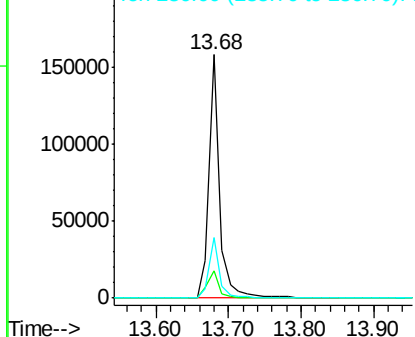


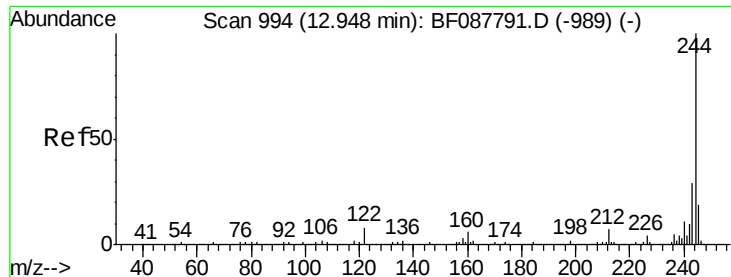
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.68 min Scan# 1058
Delta R.T. -0.31 min
Lab File: BF088445.D
Acq: 27 Jun 2016 8:56

Tgt Ion:240 Resp: 163284
Ion Ratio Lower Upper
240 100
120 11.3 6.8 10.2#
236 25.0 20.2 30.2



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

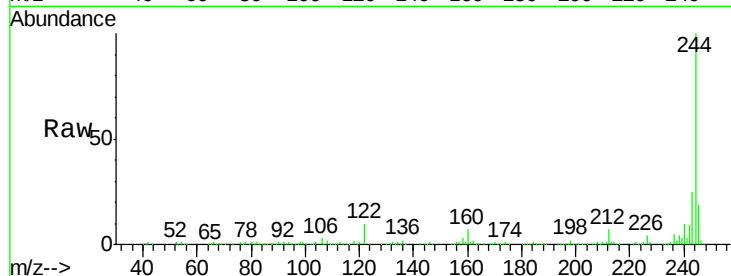




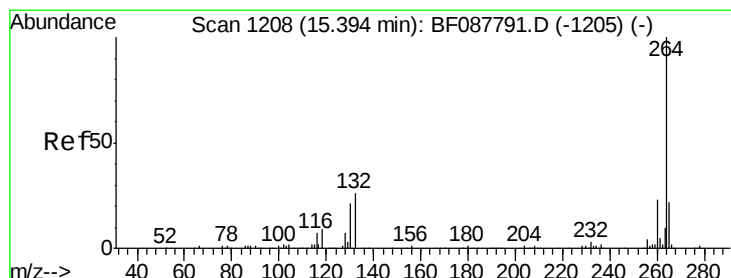
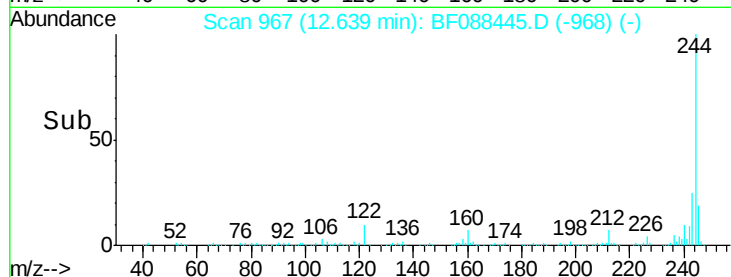
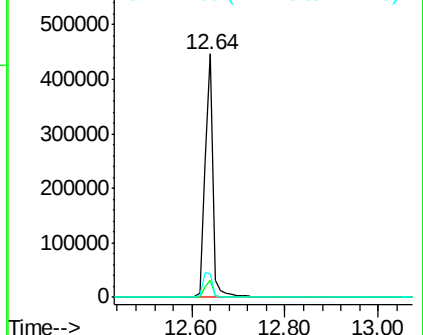
#78
 Terphenyl-d14
 Concen: 74.57 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.31 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 535058
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.5 11.2 16.8#

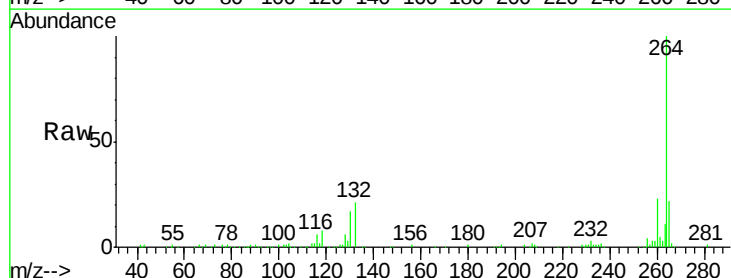


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088445.D
 Acq: 27 Jun 2016 8:56

Tgt Ion:264 Resp: 139828
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.5 16.9 25.3



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

