

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
 Data File : BF087985.D
 Acq On : 13 Jun 2016 16:04
 Operator : UM/SJ
 Sample : H3449-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23-VE-PILE-WALL(0-2)

Quant Time: Jun 13 17:21:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	118487	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	480336	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	213085	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	354922	20.00	ng	0.00
75) Chrysene-d12	13.94	240	237637	20.00	ng	-0.01
86) Perylene-d12	15.36	264	232251	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	795804	114.82	ng	0.01
7) Phenol-d6	6.43	99	862079	102.63	ng	0.00
23) Nitrobenzene-d5	7.36	82	529134	64.33	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	208518	92.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	990916	72.22	ng	0.00
78) Terphenyl-d14	12.90	244	651317	62.37	ng	0.00

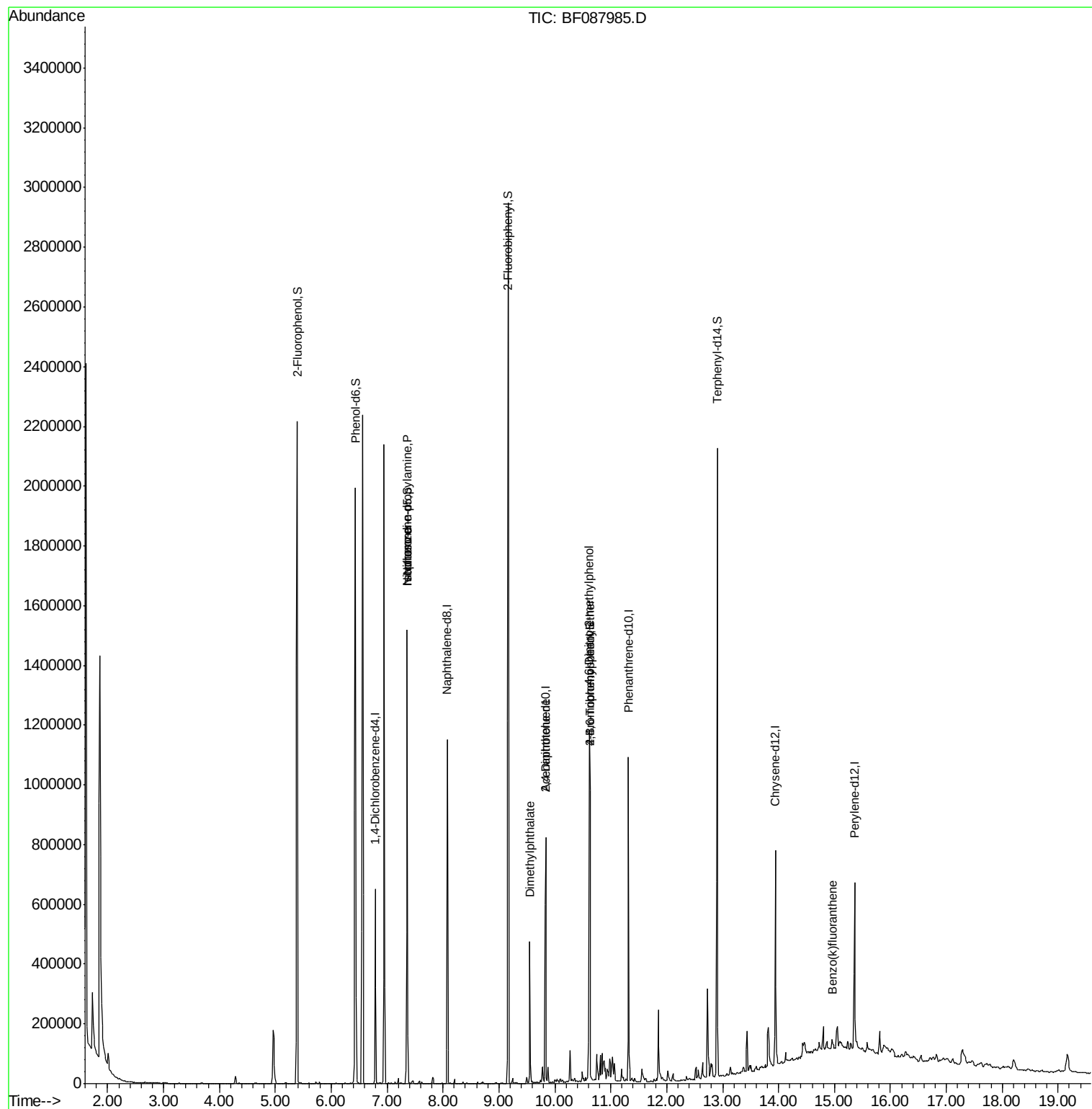
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	8453	Below Cal	#	65
19) n-Nitroso-di-n-propylamine	7.36	70	69391	12.91	ng	# 73
25) Isophorone	7.36	82	402064	26.39	ng	# 65
45) 1,1'-Biphenyl	9.26	154	206	Below Cal	#	43
49) Dimethylphthalate	9.55	163	174370	11.30	ng	# 99
56) 2,4-Dinitrotoluene	9.84	165	27055	5.96	ng	# 38
57) Fluorene	10.38	166	468	Below Cal	#	80
64) 4,6-Dinitro-2-methylphenol	10.62	198	260	2.27	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13371	3.51	ng	# 1
88) Benzo(k)fluoranthene	14.96	252	25328	2.07	ng	# 90

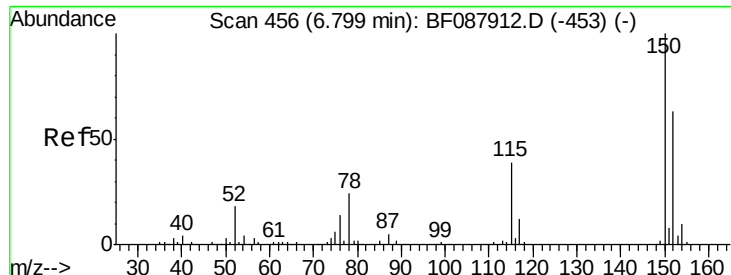
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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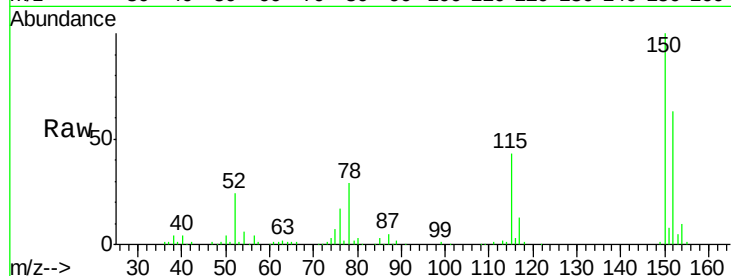


#1

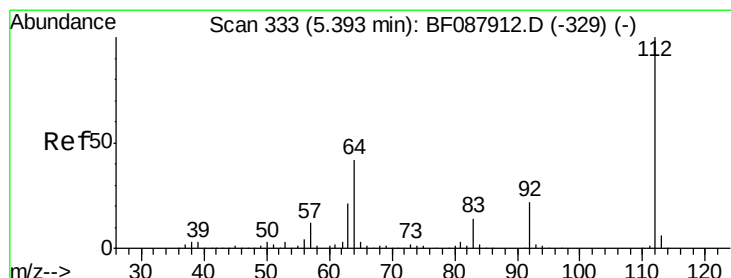
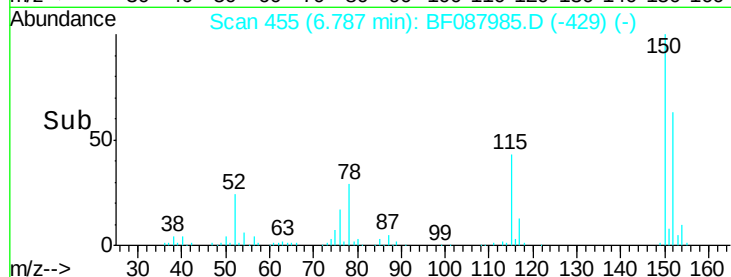
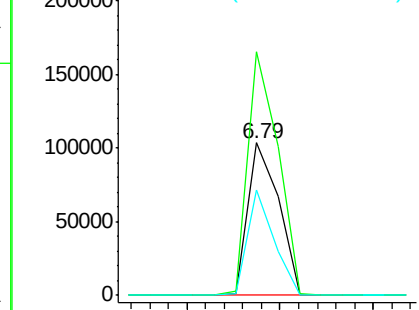
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Instrument :
BNA_F
ClientSampleId :
23-VE-PILE-WALL(0-2)

Tgt Ion:152 Resp: 118487
Ion Ratio Lower Upper
152 100
150 159.6 123.8 185.6
115 68.7 39.6 59.4#



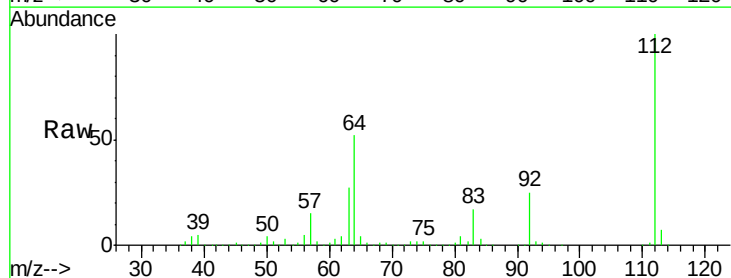
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



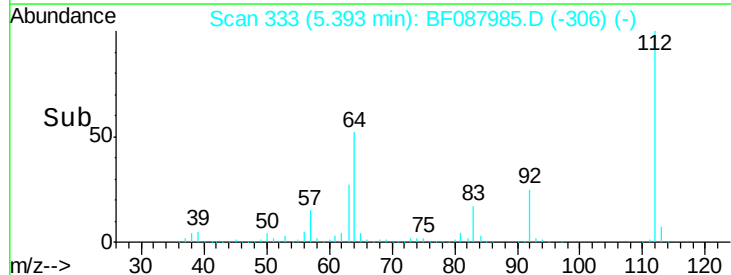
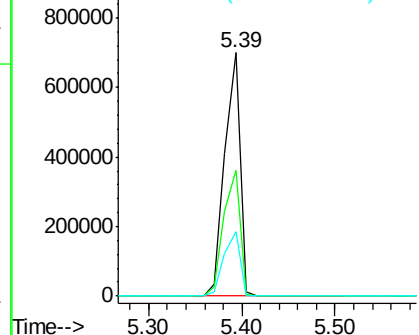
#5

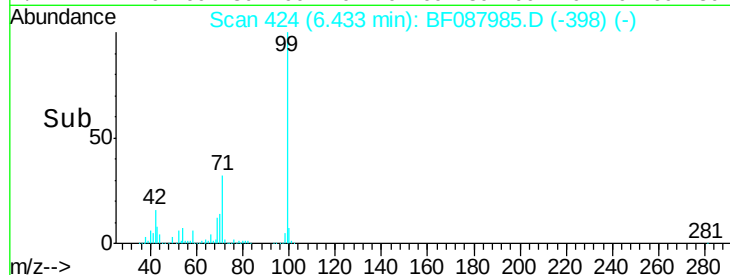
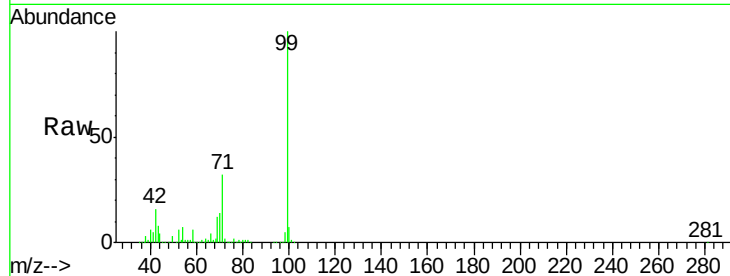
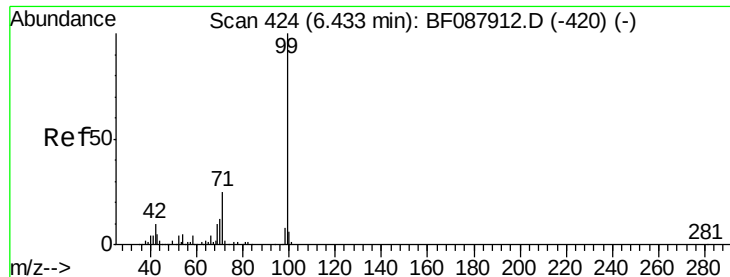
2-Fluorophenol
Concen: 114.82 ng
RT: 5.39 min Scan# 333
Delta R.T. 0.01 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Tgt Ion:112 Resp: 795804
Ion Ratio Lower Upper
112 100
64 51.7 42.2 63.2
63 26.6 21.8 32.8



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: 102.63 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF087985.D

Acq: 13 Jun 2016 16:04

Instrument :

BNA_F

ClientSampleId :

23-VE-PILE-WALL(0-2)

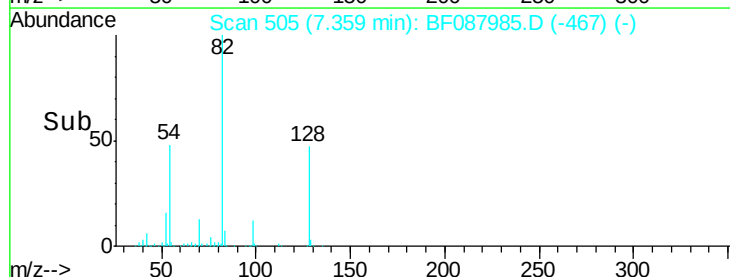
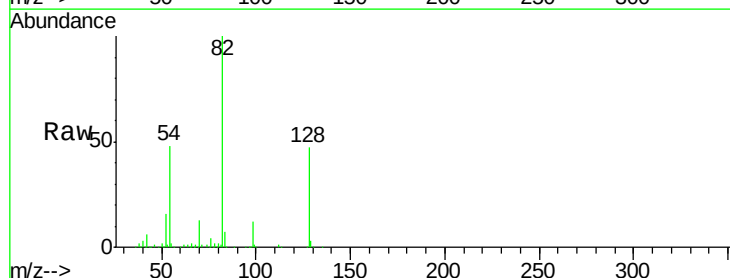
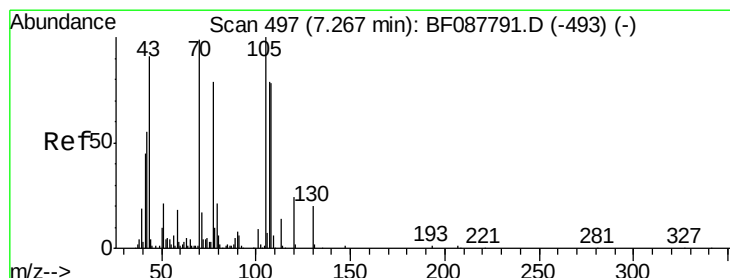
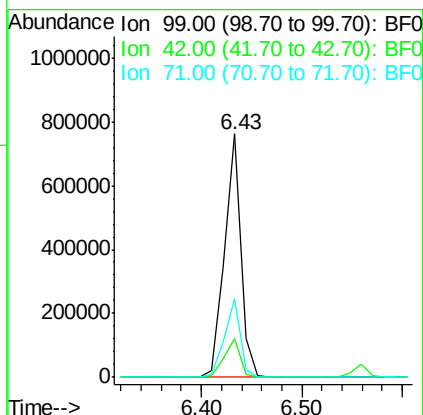
Tgt Ion: 99 Resp: 862079

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 32.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.91 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.14 min

Lab File: BF087985.D

Acq: 13 Jun 2016 16:04

Tgt Ion: 70 Resp: 69391

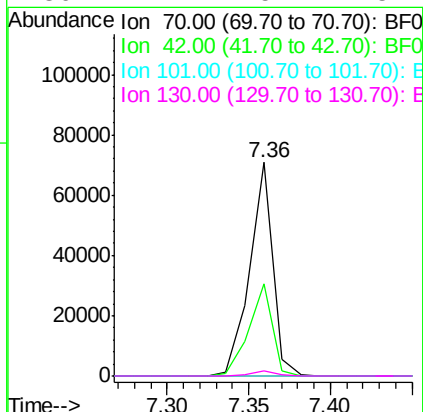
Ion Ratio Lower Upper

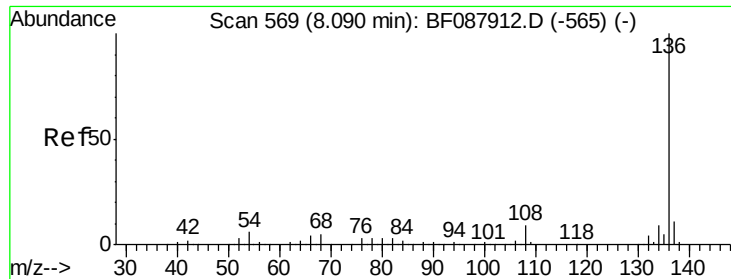
70 100

42 43.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

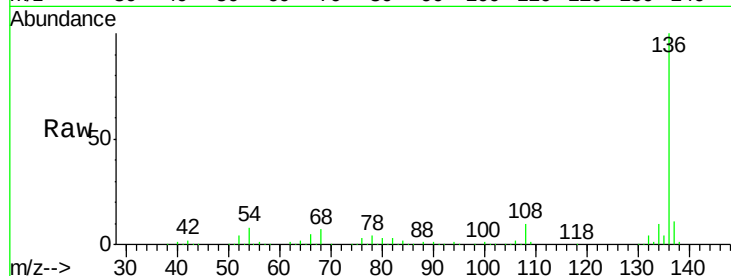




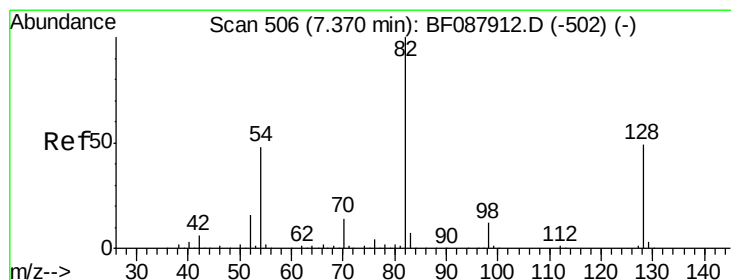
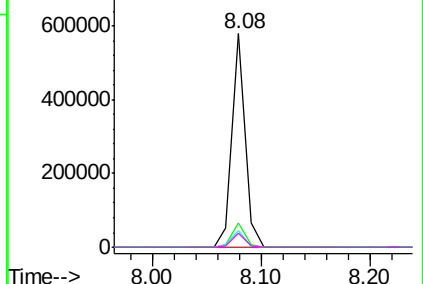
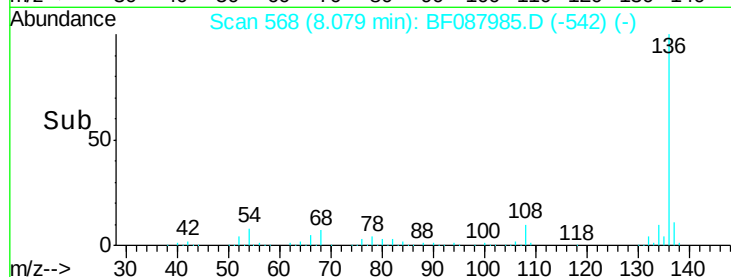
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Instrument :
BNA_F
ClientSampleId :
23-VE-PILE-WALL(0-2)

Tgt Ion:	136	Resp:	480336
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.7	6.6	10.0
68	6.5	5.1	7.7

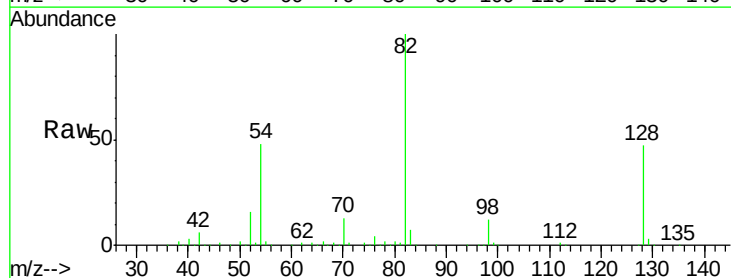


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

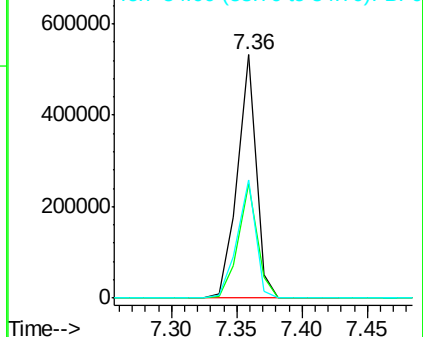
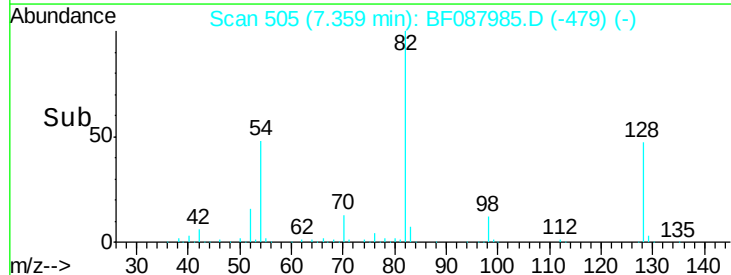


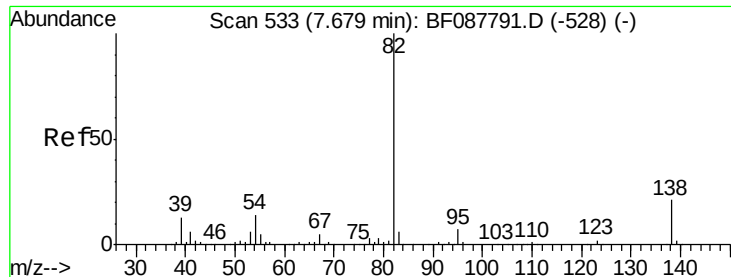
#23
Nitrobenzene-d5
Concen: 64.33 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Tgt Ion:	82	Resp:	529134
Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.9	53.9
54	48.3	40.9	61.3



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: 26.39 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.26 min

Lab File: BF087985.D

Acq: 13 Jun 2016 16:04

Instrument :

BNA_F

ClientSampleId :

23-VE-PILE-WALL(0-2)

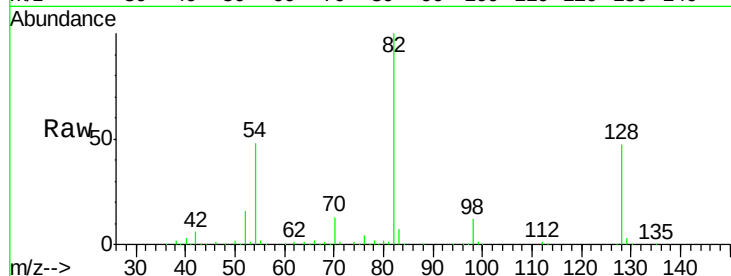
Tgt Ion: 82 Resp: 402064

Ion Ratio Lower Upper

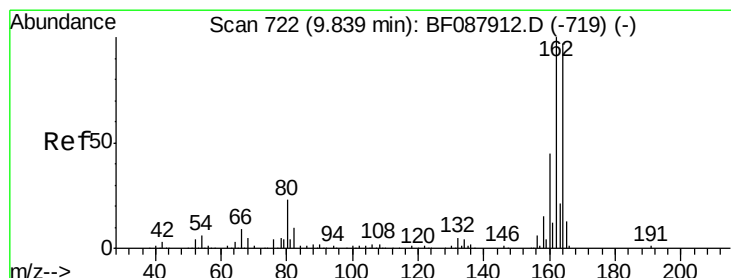
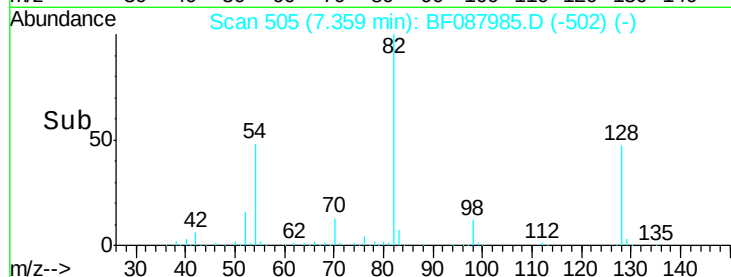
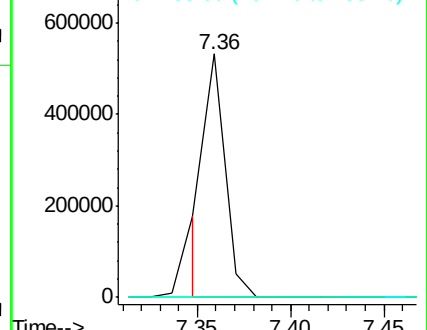
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF087985.D

Acq: 13 Jun 2016 16:04

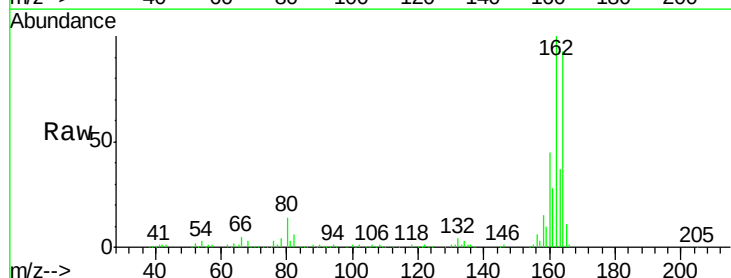
Tgt Ion:164 Resp: 213085

Ion Ratio Lower Upper

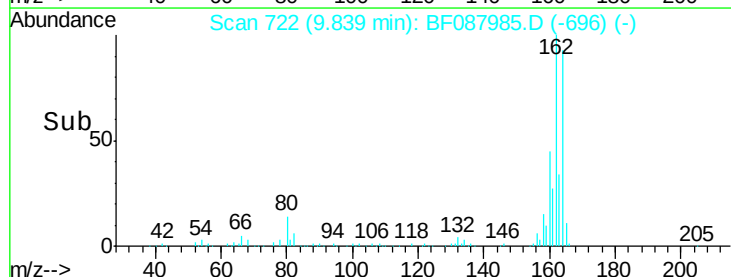
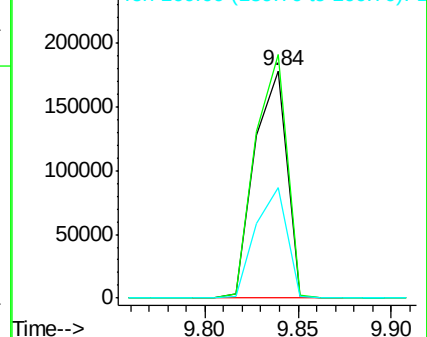
164 100

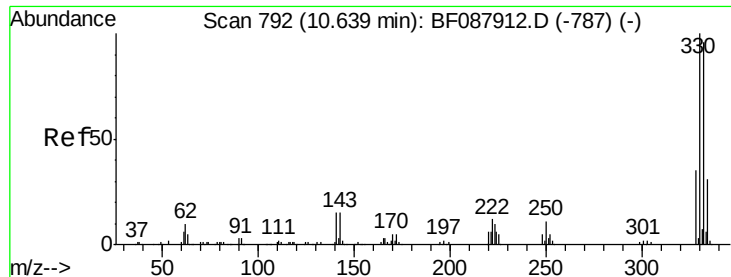
162 107.3 85.4 128.2

160 48.6 39.5 59.3



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

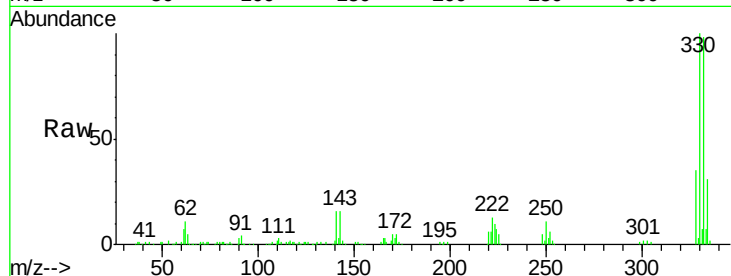




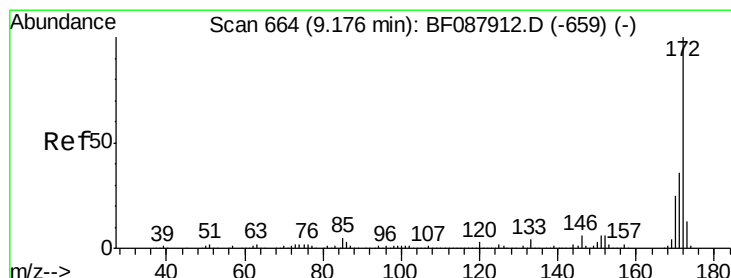
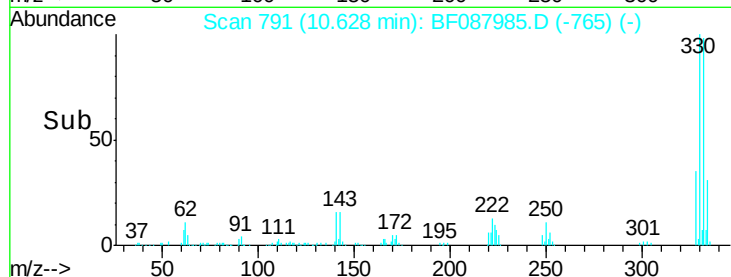
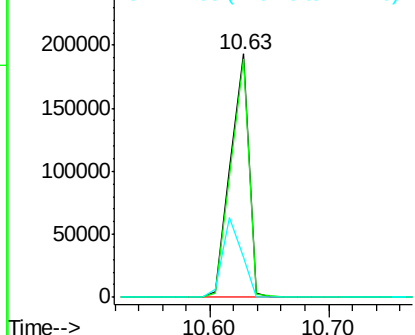
#41
 2,4,6-Tribromophenol
 Concen: 92.68 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF087985.D
 Acq: 13 Jun 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 23-VE-PILE-WALL(0-2)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	33.7	0.0	0.0#

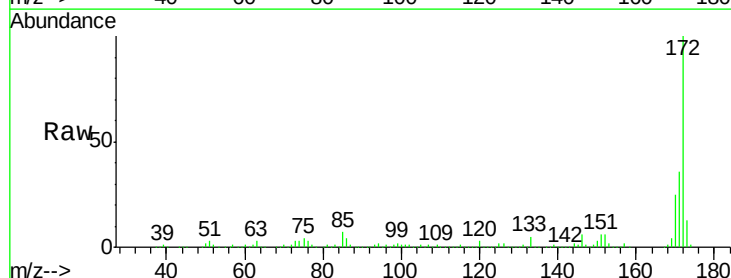


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

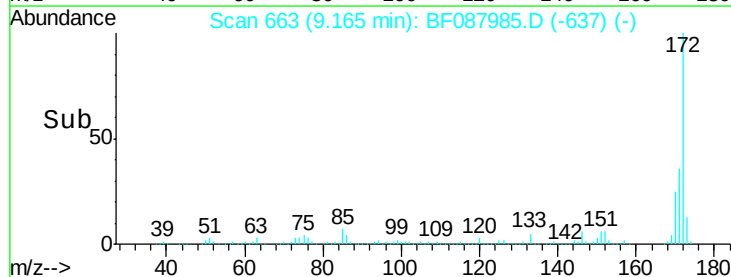
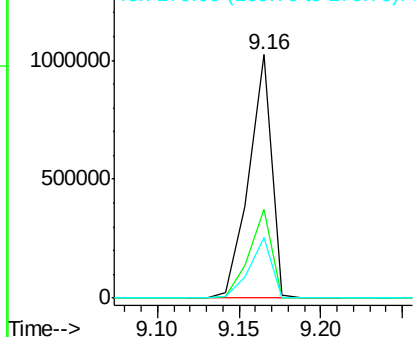


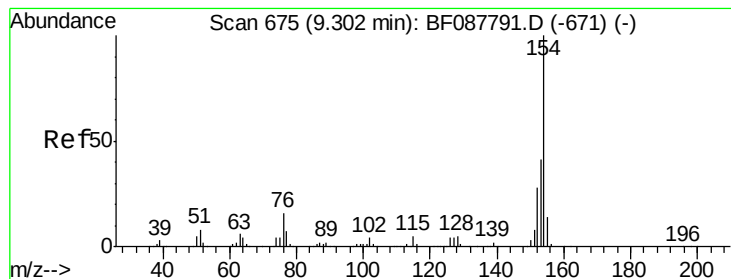
#44
 2-Fluorobiphenyl
 Concen: 72.22 ng
 RT: 9.16 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF087985.D
 Acq: 13 Jun 2016 16:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.7	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: 9.26 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF087985.D

Acq: 13 Jun 2016 16:04

Instrument :

BNA_F

ClientSampleId :

23-VE-PILE-WALL(0-2)

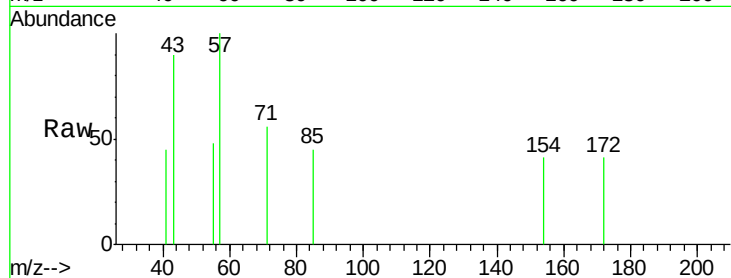
Tgt Ion:154 Resp: 206

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

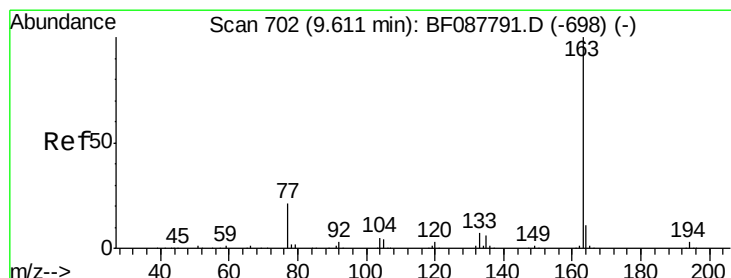
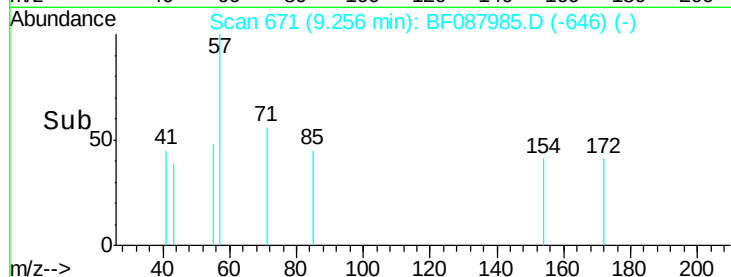
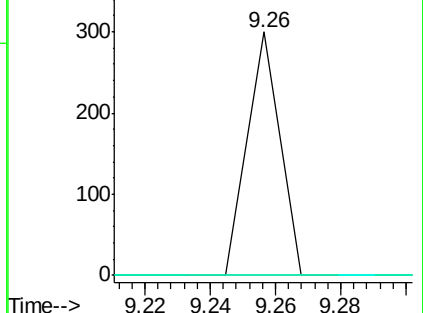
76 0.0 0.0 35.1



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): E



#49

Dimethylphthalate

Concen: 11.30 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF087985.D

Acq: 13 Jun 2016 16:04

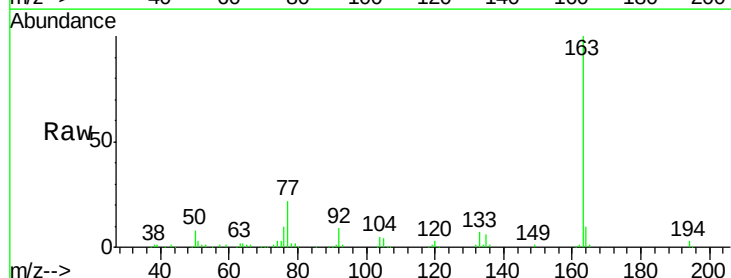
Tgt Ion:163 Resp: 174370

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

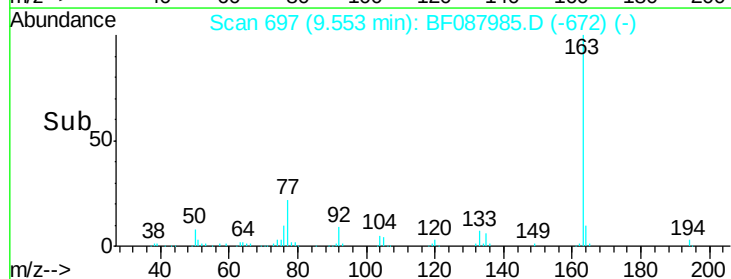
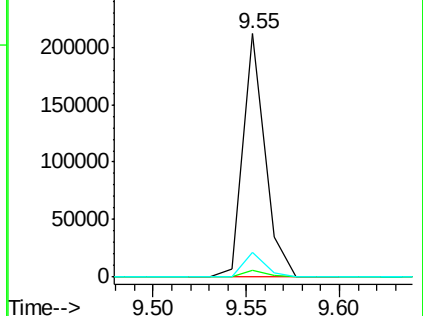
164 10.3 8.3 12.5

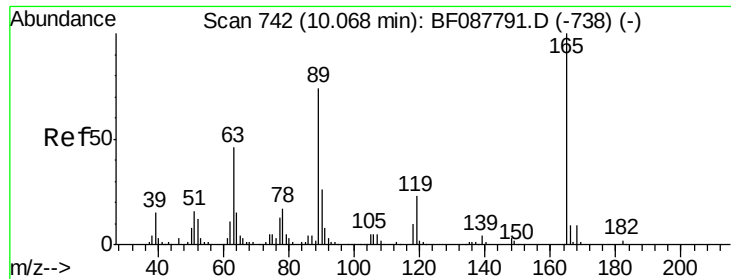


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

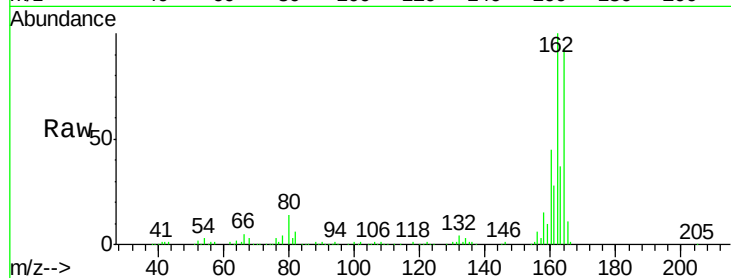




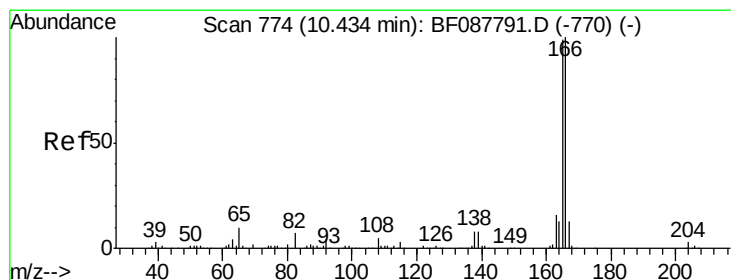
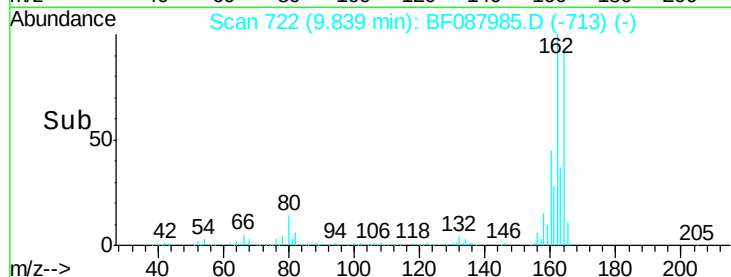
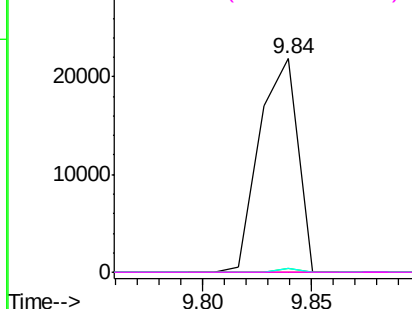
#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.19 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Instrument :
BNA_F
ClientSampleId :
23-VE-PILE-WALL(0-2)

Tgt Ion:165 Resp: 27055
Ion Ratio Lower Upper
165 100
63 1.6 22.0 33.0#
89 1.6 41.1 61.7#
182 0.0 2.0 3.0#

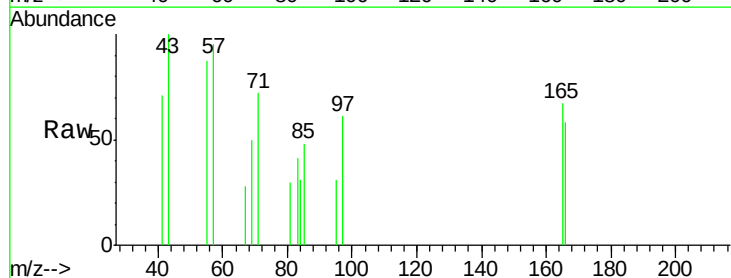


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

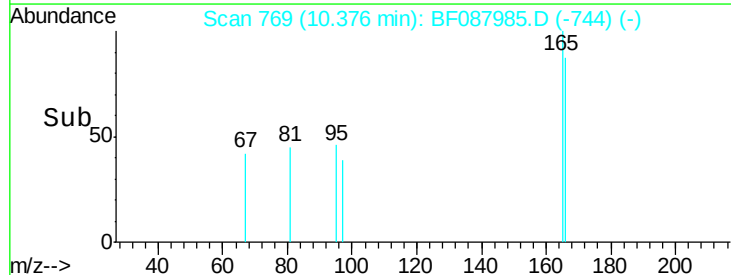
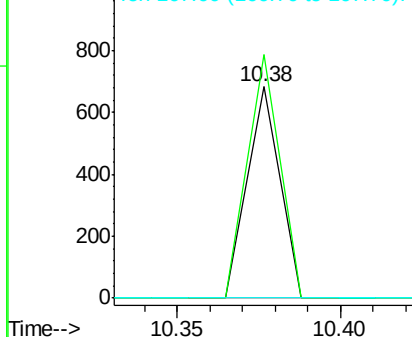


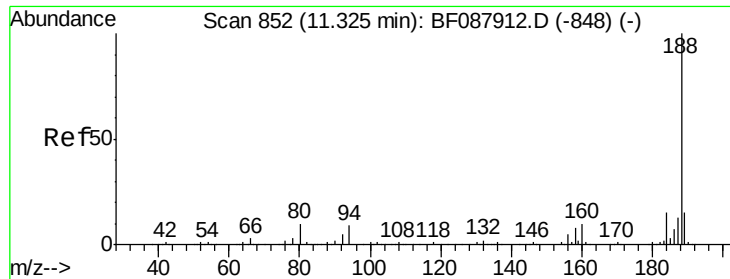
#57
Fluorene
Concen: Below Cal
RT: 10.38 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Tgt Ion:166 Resp: 468
Ion Ratio Lower Upper
166 100
165 115.2 77.8 116.8
167 0.0 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

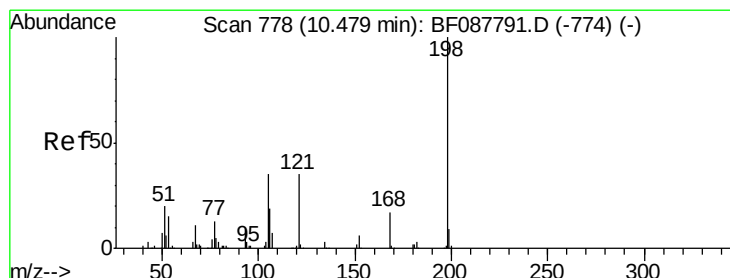
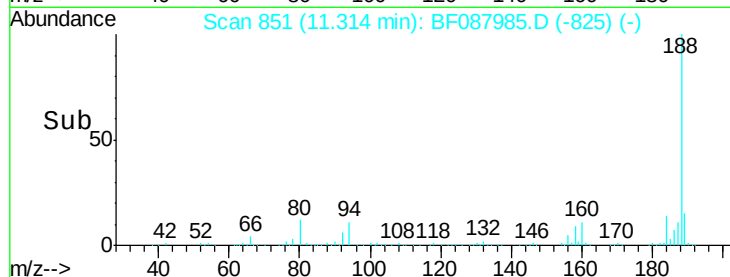
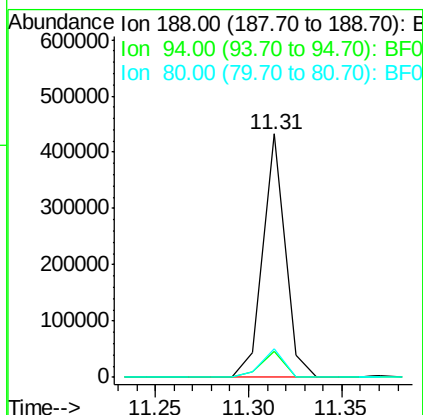
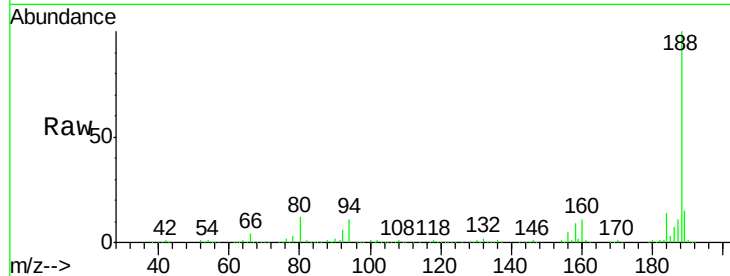




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. 0.00 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

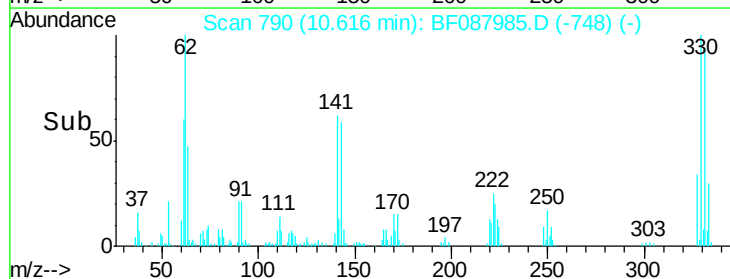
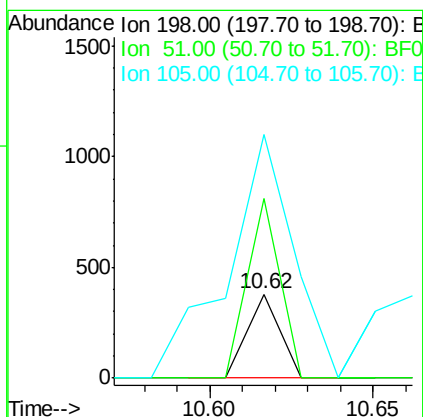
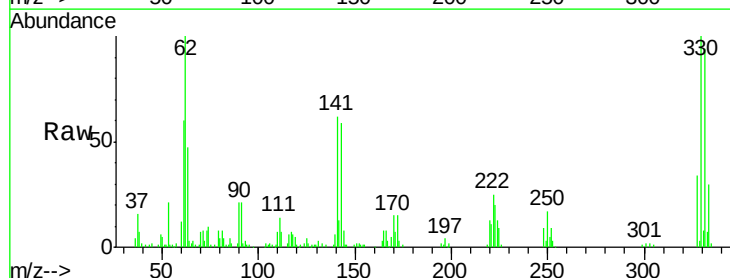
Instrument :
BNA_F
ClientSampleId :
23-VE-PILE-WALL(0-2)

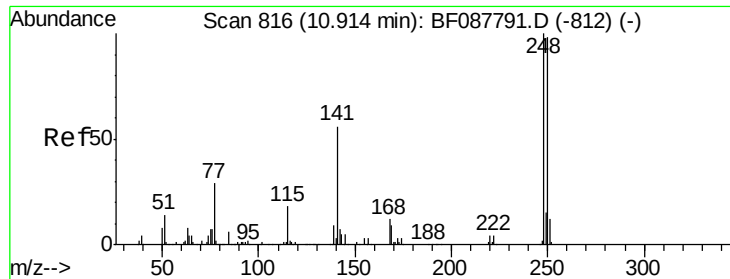
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	11.5	10.0	15.0



#64
4,6-Dinitro-2-methylphenol
Concen: 2.27 ng
RT: 10.62 min Scan# 790
Delta R.T. 0.18 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Tgt Ion	Ratio	Lower	Upper
198	100		
51	214.5	39.6	79.6#
105	290.0	36.6	76.6#

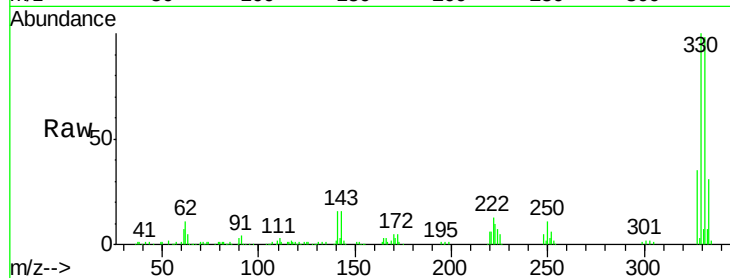




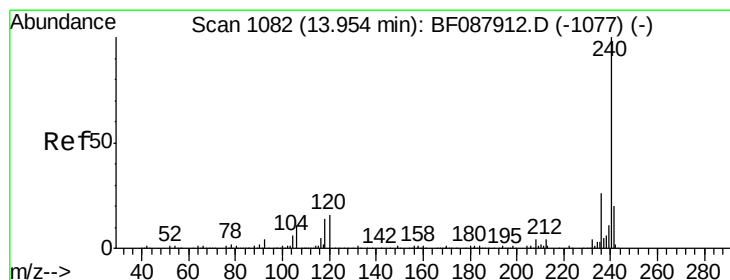
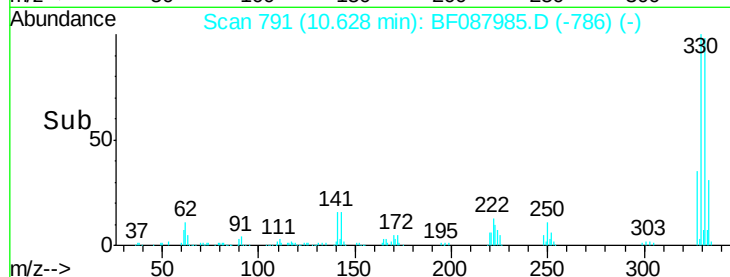
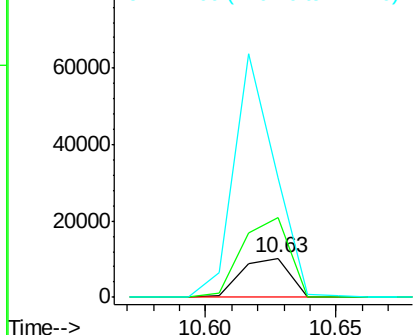
#66
4-Bromophenyl-phenylether
Concen: 3.51 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.24 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Instrument :
BNA_F
ClientSampleId :
23-VE-PILE-WALL(0-2)

Tgt Ion:248 Resp: 13371
Ion Ratio Lower Upper
248 100
250 204.8 77.1 115.7#
141 308.0 50.6 76.0#

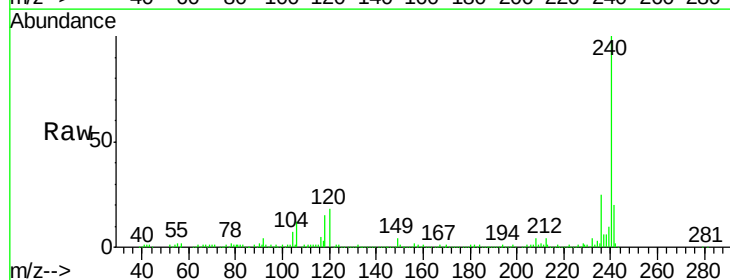


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

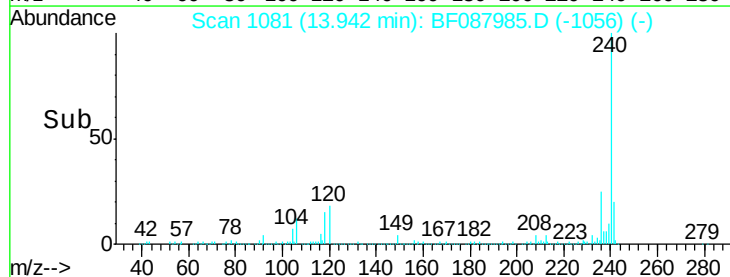
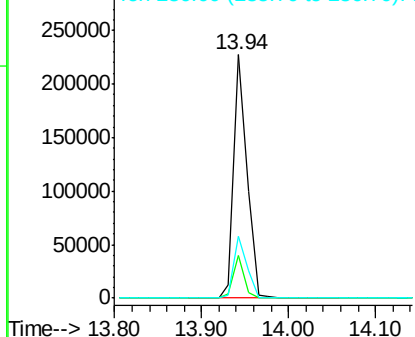


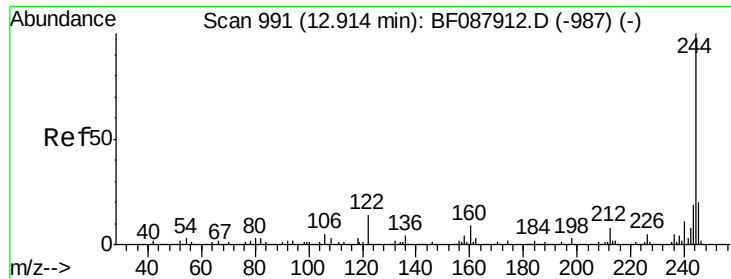
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BF087985.D
Acq: 13 Jun 2016 16:04

Tgt Ion:240 Resp: 237637
Ion Ratio Lower Upper
240 100
120 17.5 6.8 10.2#
236 25.3 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

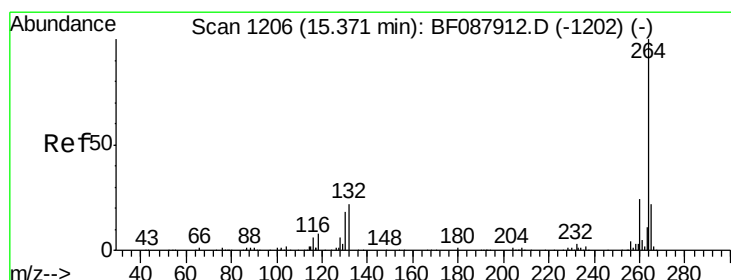
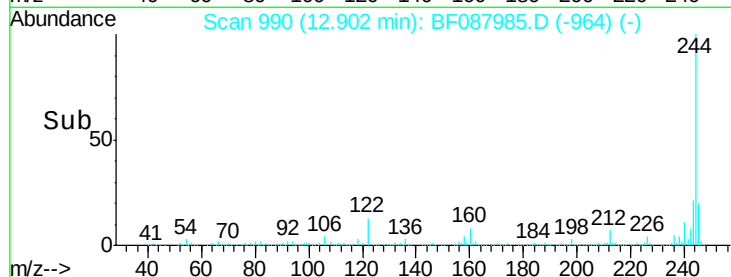
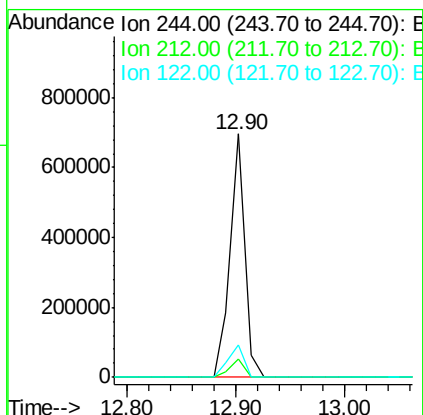
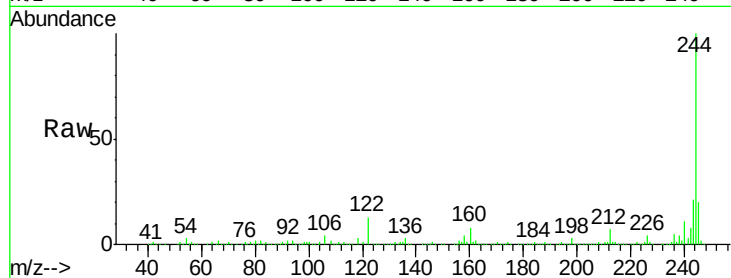




#78
 Terphenyl-d14
 Concen: 62.37 ng
 RT: 12.90 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF087985.D
 Acq: 13 Jun 2016 16:04

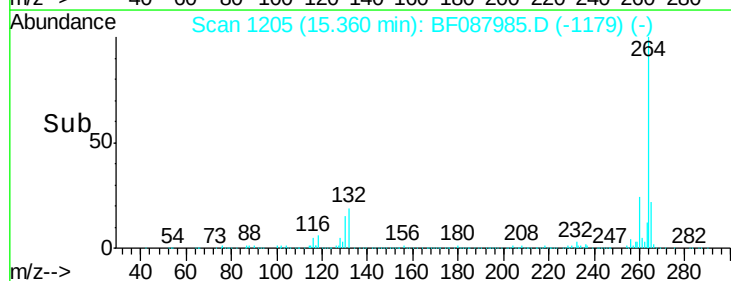
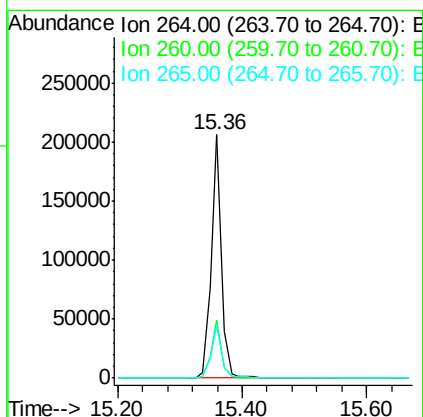
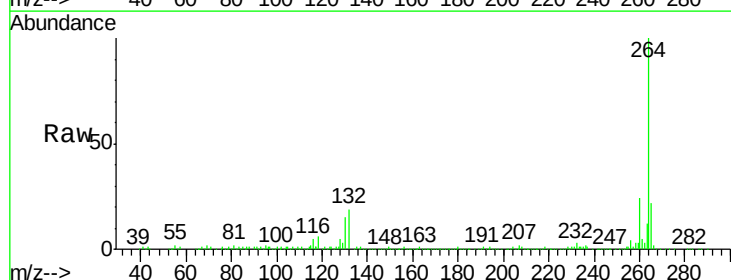
Instrument :
 BNA_F
 ClientSampleId :
 23-VE-PILE-WALL(0-2)

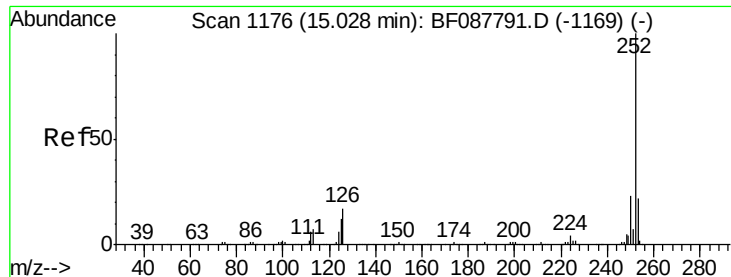
Tgt Ion:244 Resp: 651317
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.5 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF087985.D
 Acq: 13 Jun 2016 16:04

Tgt Ion:264 Resp: 232251
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.9 16.9 25.3





#88
 Benzo(k)fluoranthene
 Concen: 2.07 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF087985.D
 Acq: 13 Jun 2016 16:04

Instrument :
 BNA_F
 ClientSampleId :
 23-VE-PILE-WALL(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.0	27.0
125	20.3	11.2	16.8

