

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088266.D
 Acq On : 22 Jun 2016 23:12
 Operator : UM/SJ
 Sample : H3660-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 02:29:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

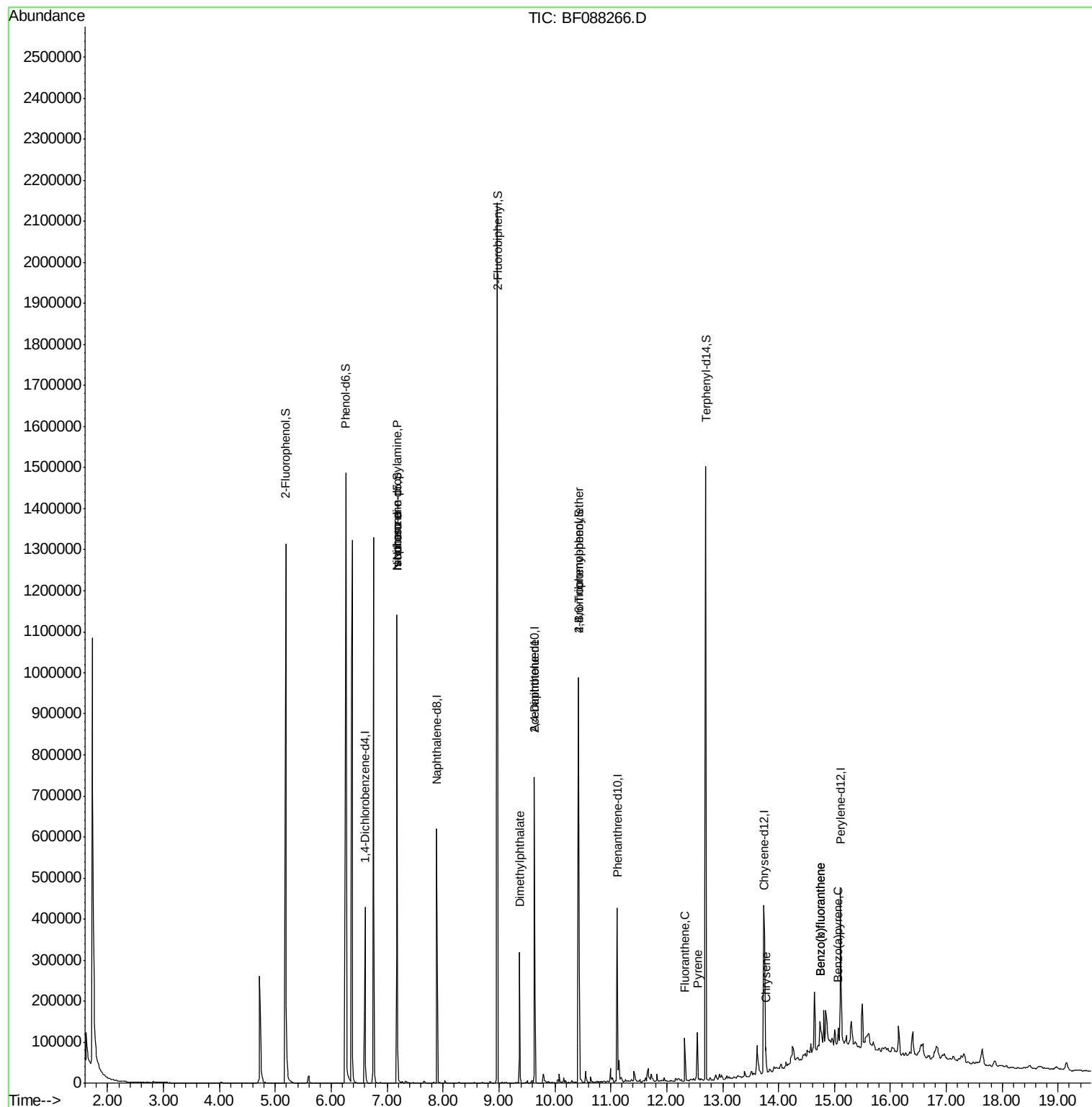
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	81231	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	335891	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	146953	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	227310	20.00	ng	0.00
75) Chrysene-d12	13.75	240	169632	20.00	ng	0.00
86) Perylene-d12	15.11	264	160274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	510532	107.44	ng	0.01
7) Phenol-d6	6.26	99	609430	105.83	ng	0.00
23) Nitrobenzene-d5	7.18	82	384562	66.86	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	119764	77.18	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	681562	72.01	ng	0.00
78) Terphenyl-d14	12.70	244	448892	60.22	ng	0.00
Target Compounds						
10) Phenol	6.27	94	1535	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.18	70	50043	13.58	ng	70
25) Isophorone	7.18	82	384555	36.09	ng	65
45) 1,1'-Biphenyl	8.97	154	1325	Below Cal	#	1
49) Dimethylphthalate	9.37	163	137355	12.90	ng	99
56) 2,4-Dinitrotoluene	9.63	165	19075	6.09	ng	37
57) Fluorene	10.19	166	788	Below Cal	#	88
66) 4-Bromophenyl-phenylether	10.42	248	7425	3.04	ng	1
74) Fluoranthene	12.32	202	50028	3.97	ng	96
77) Pyrene	12.55	202	48017	3.81	ng	98
82) Chrysene	13.77	228	18904	2.08	ng	99
87) Benzo(b)fluoranthene	14.74	252	43750	3.92	ng	88
88) Benzo(k)fluoranthene	14.74	252	43750	5.19	ng	93
89) Benzo(a)pyrene	15.06	252	21774	2.41	ng	92

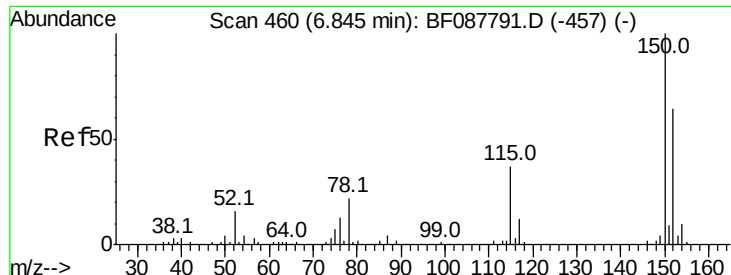
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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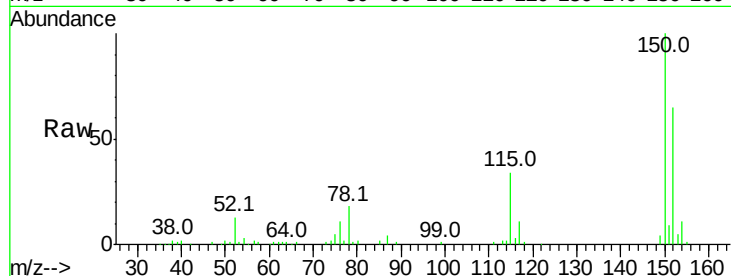


#1

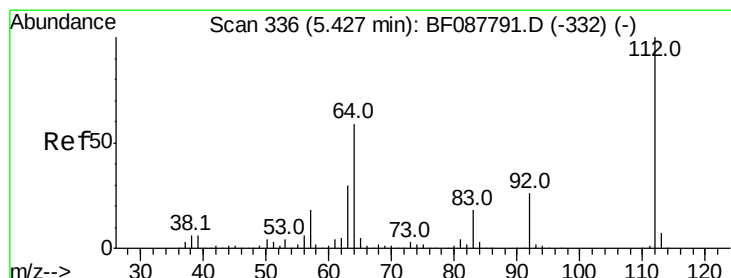
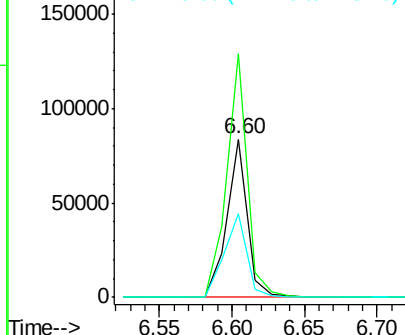
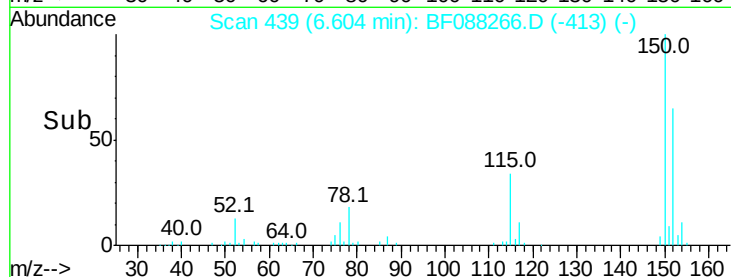
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81231
Ion Ratio Lower Upper
152 100
150 154.1 123.8 185.6
115 52.8 39.6 59.4



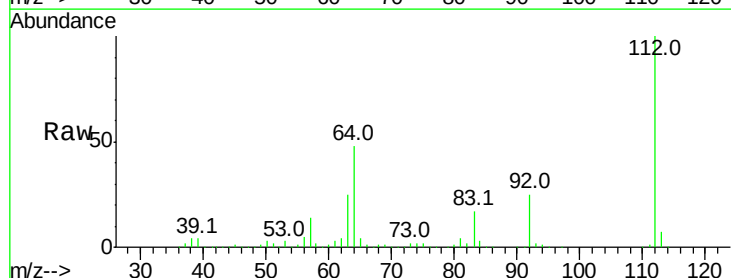
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



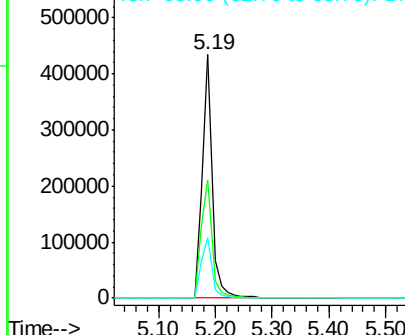
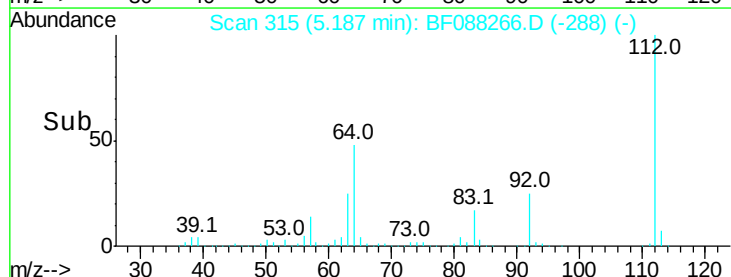
#5

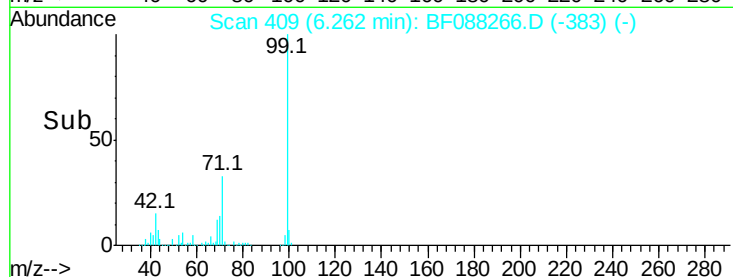
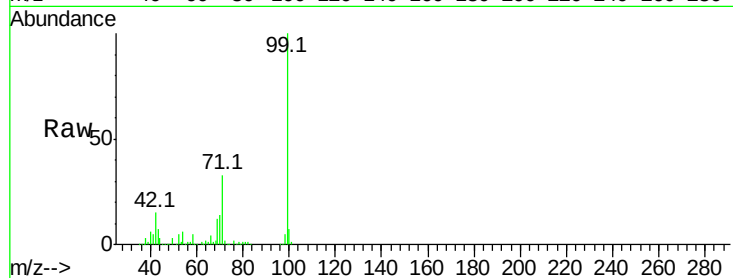
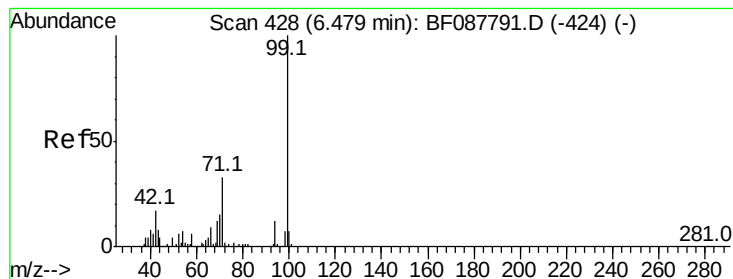
2-Fluorophenol
Concen: 107.44 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Tgt Ion:112 Resp: 510532
Ion Ratio Lower Upper
112 100
64 48.5 42.2 63.2
63 24.7 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: 105.83 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

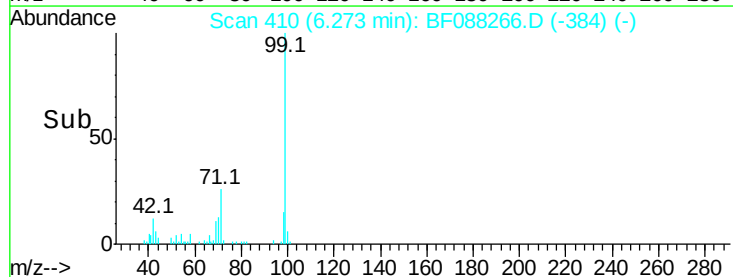
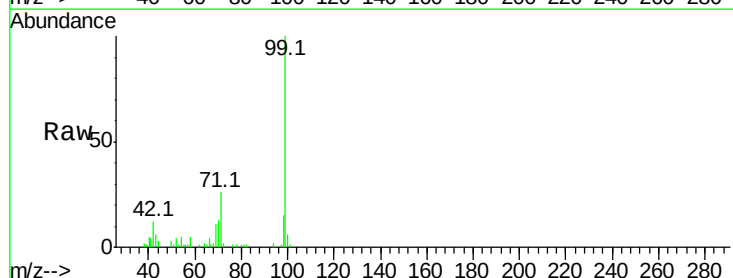
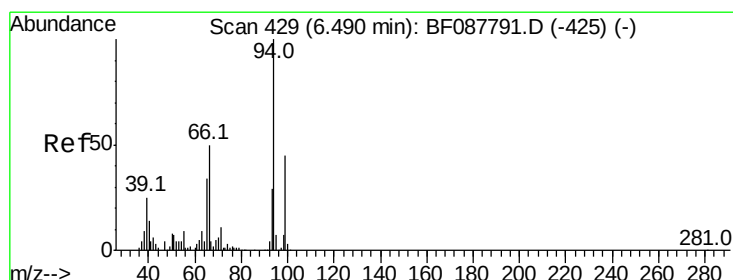
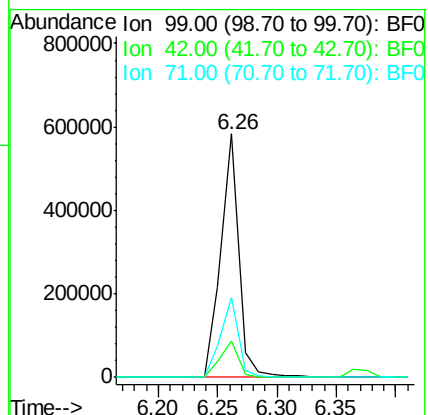
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 609430

Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.2	18.2
71	32.9	23.4	35.0



#10

Phenol

Concen: Below Cal

RT: 6.27 min Scan# 410

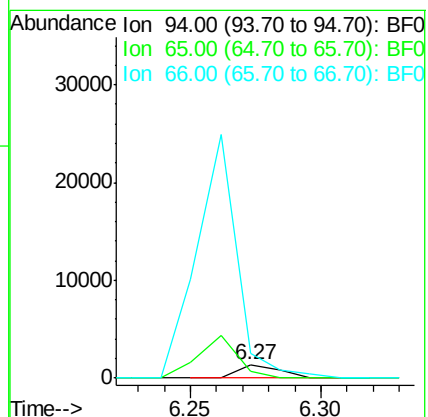
Delta R.T. 0.00 min

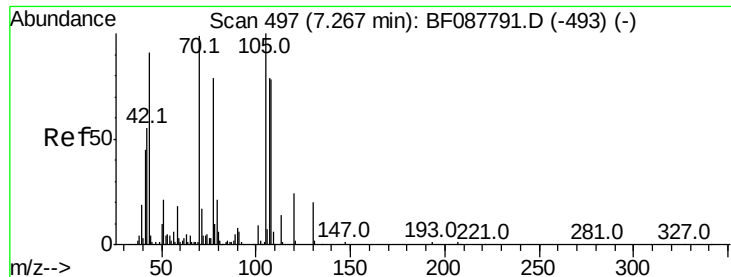
Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

Tgt Ion: 94 Resp: 1535

Ion	Ratio	Lower	Upper
94	100		
65	54.0	5.9	45.9#
66	181.9	14.0	54.0#

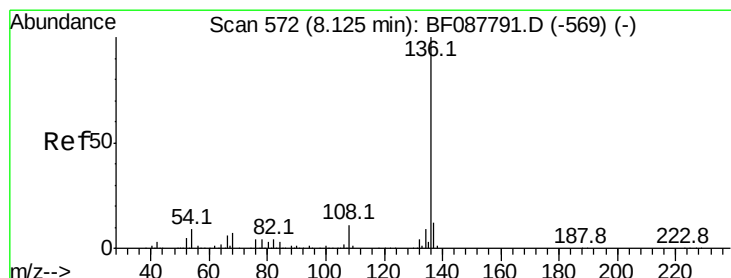
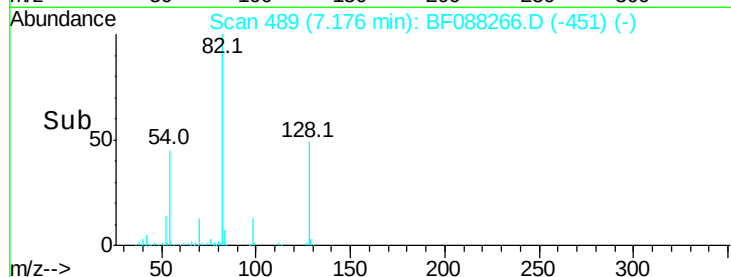
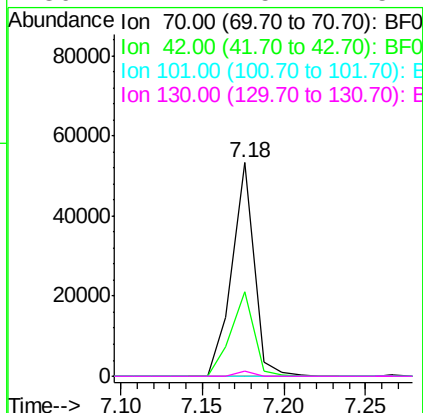
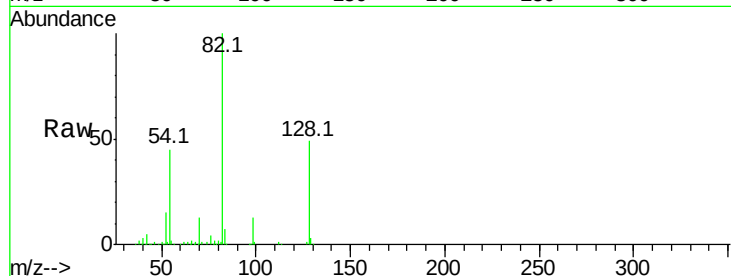




#19
n-Nitroso-di-n-propylamine
Concen: 13.58 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.14 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

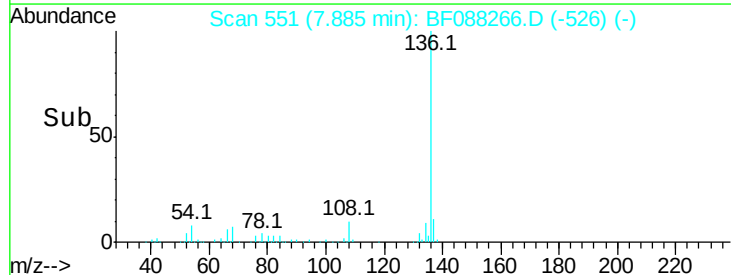
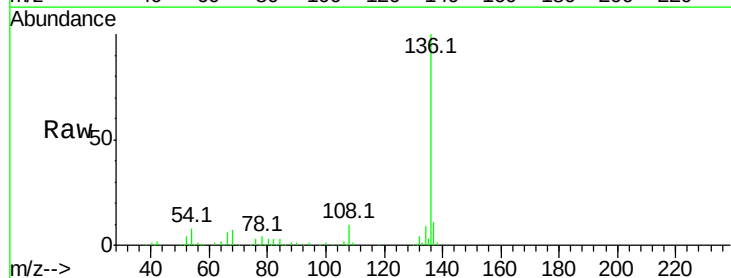
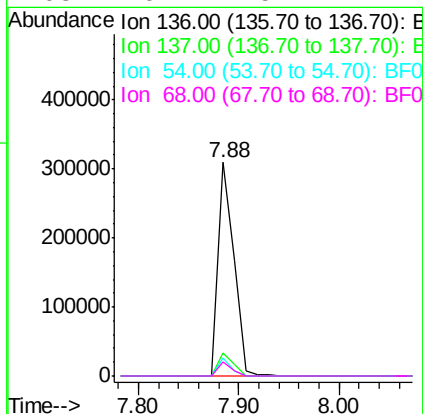
Instrument :
BNA_F
ClientSampled :

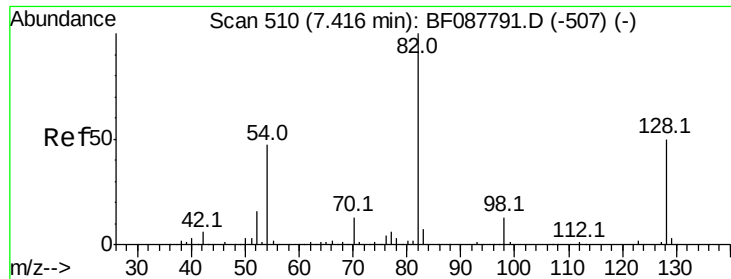
Tot Ion: 70 Resp: 50043
Ion Ratio Lower Upper
70 100
42 39.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Tgt Ion: 136 Resp: 335891
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.1 6.6 10.0
68 6.7 5.1 7.7

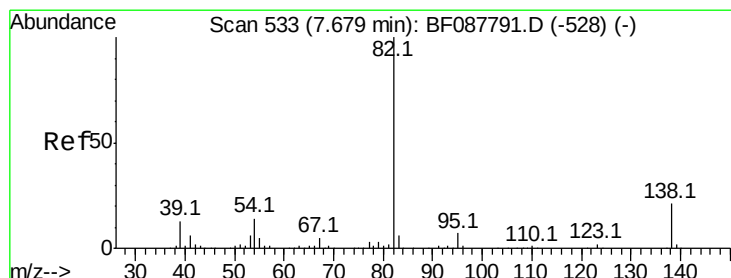
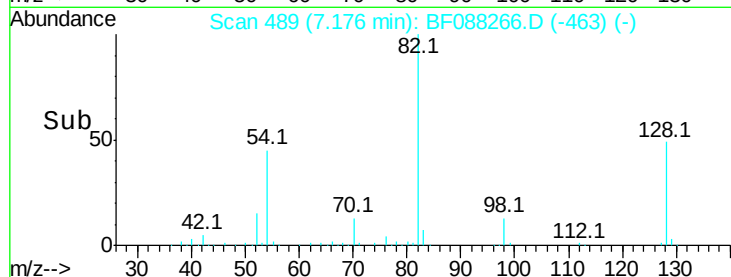
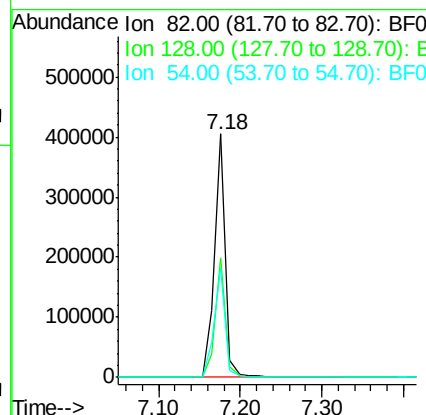
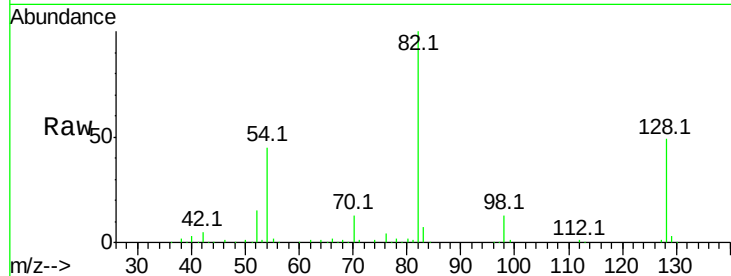




#23
 Nitrobenzene-d5
 Concen: 66.86 ng
 RT: 7.18 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: BF088266.D
 Acq: 22 Jun 2016 23:12

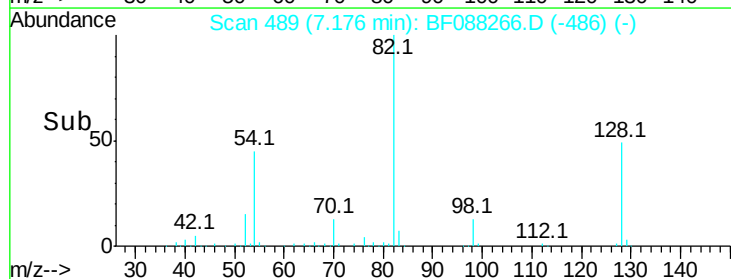
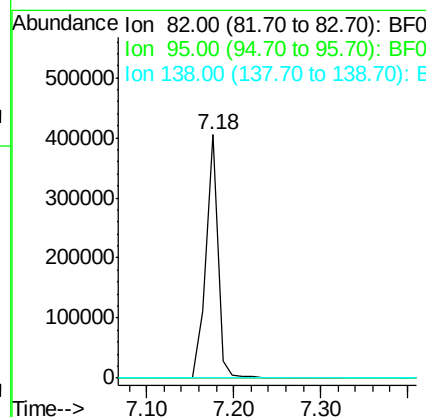
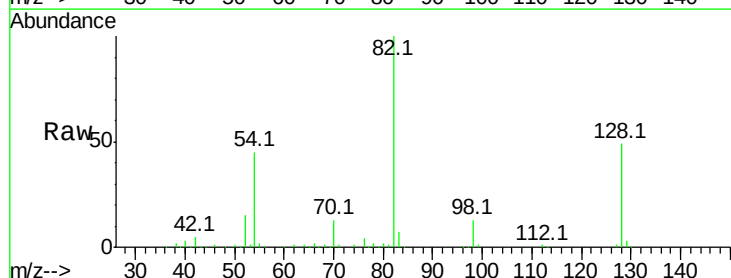
Instrument :
 BNA_F
 ClientSampled :

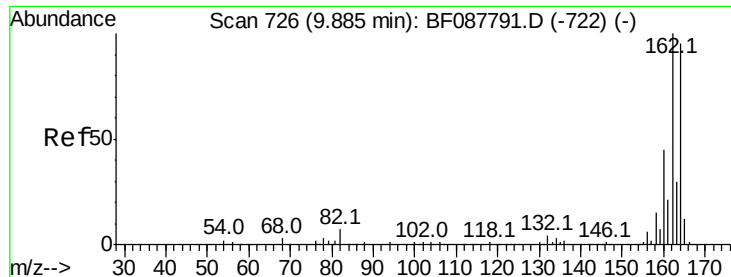
Tot Ion	82	Resp	384562
Ion Ratio	Lower	Upper	
82	100		
128	48.9	35.9	53.9
54	45.1	40.9	61.3



#25
 Isophorone
 Concen: 36.09 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.26 min
 Lab File: BF088266.D
 Acq: 22 Jun 2016 23:12

Tgt Ion	82	Resp	384555
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#

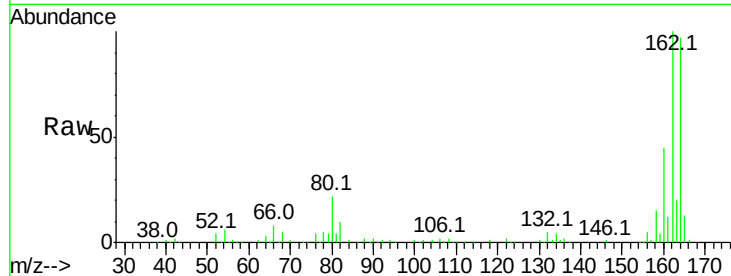




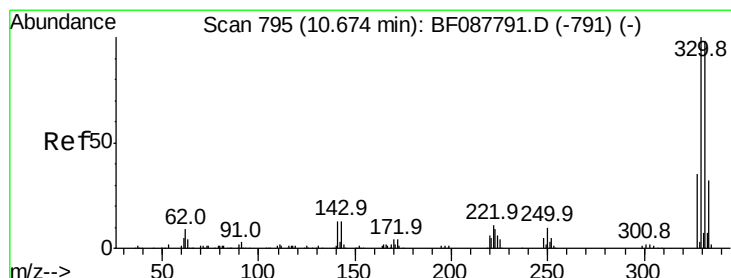
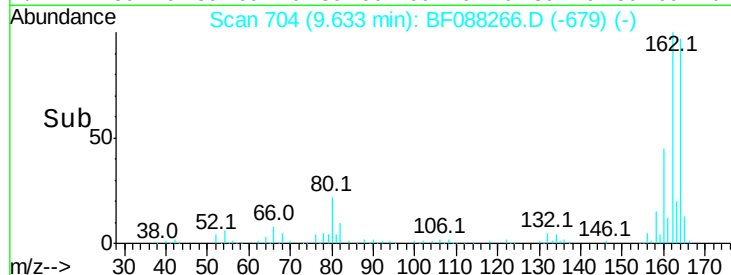
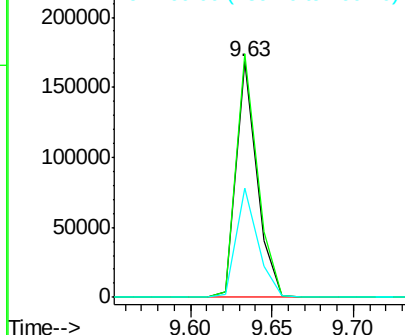
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF088266.D
 Acq: 22 Jun 2016 23:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 146953
 Ion Ratio Lower Upper
 164 100
 162 103.3 85.4 128.2
 160 46.1 39.5 59.3

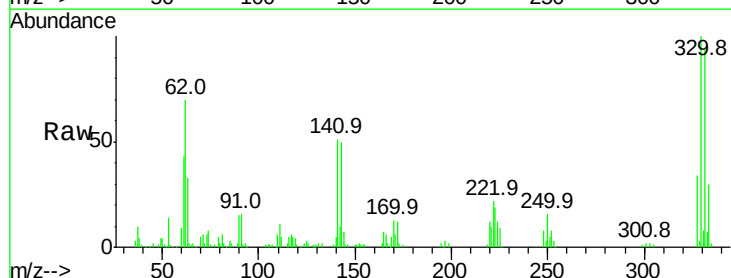


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

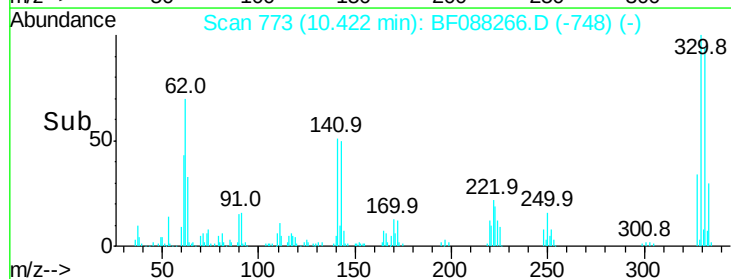
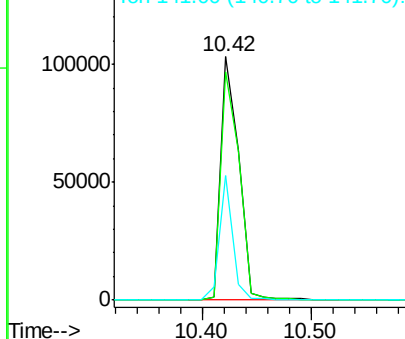


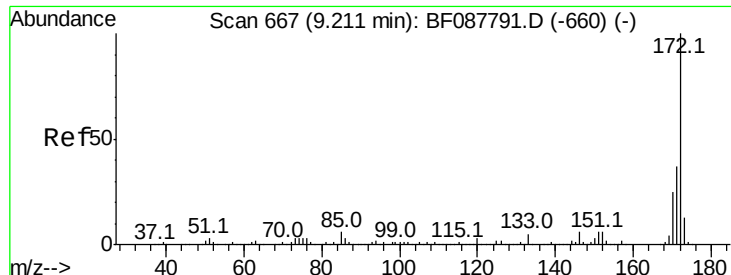
#41
 2,4,6-Tribromophenol
 Concen: 77.18 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088266.D
 Acq: 22 Jun 2016 23:12

Tgt Ion:330 Resp: 119764
 Ion Ratio Lower Upper
 330 100
 332 96.2 0.0 0.0#
 141 38.6 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

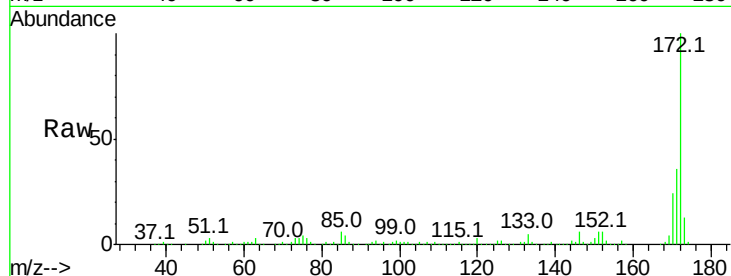




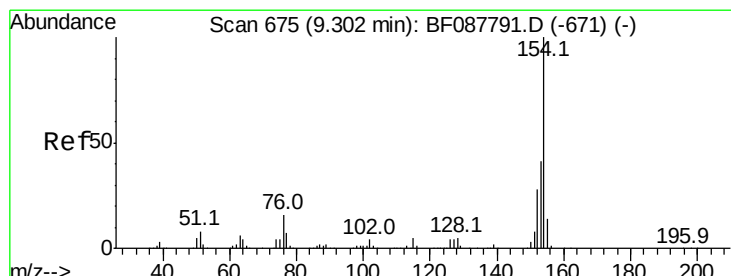
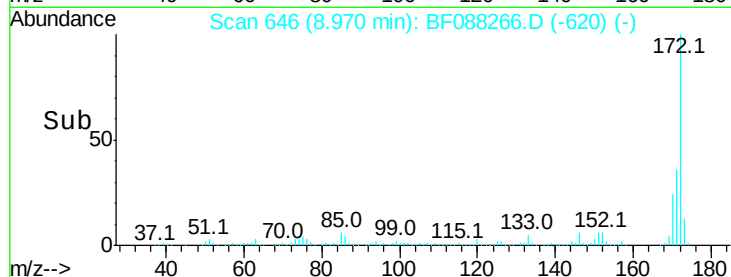
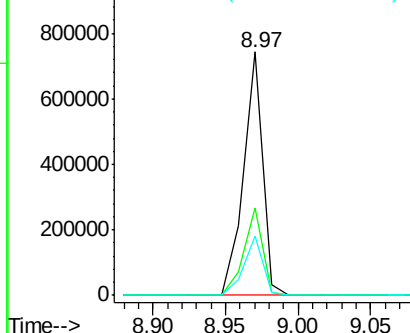
#44
2-Fluorobiphenyl
Concen: 72.01 na
RT: 8.97 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 681562
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.4 19.2 28.8

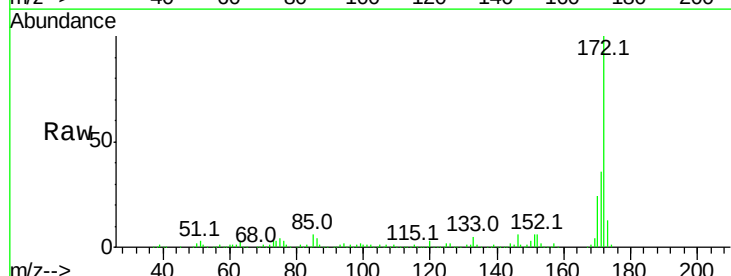


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

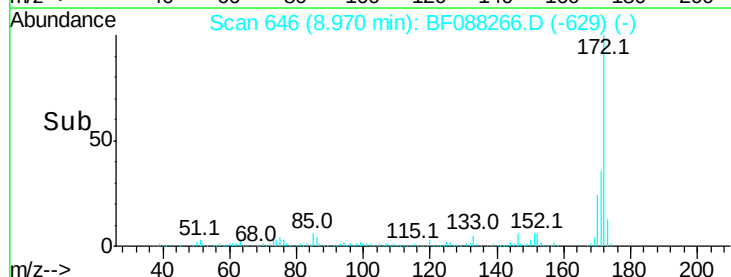
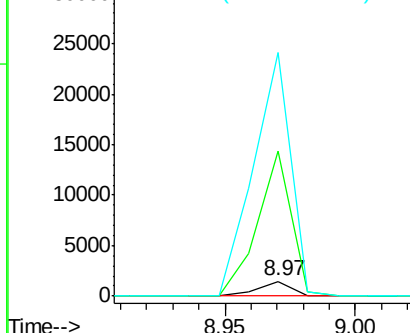


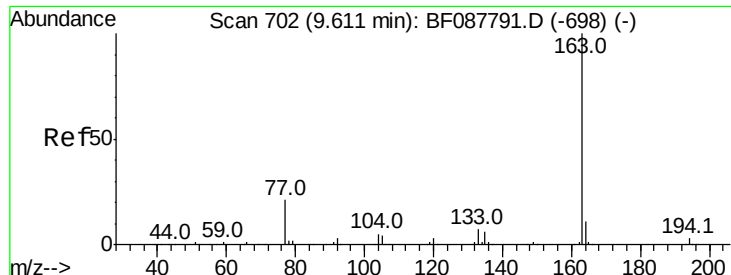
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.97 min Scan# 646
Delta R.T. -0.10 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Tgt Ion:154 Resp: 1325
Ion Ratio Lower Upper
154 100
153 974.4 20.6 60.6#
76 1635.8 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: 12.90 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

Instrument :

BNA_F

ClientSampleId :

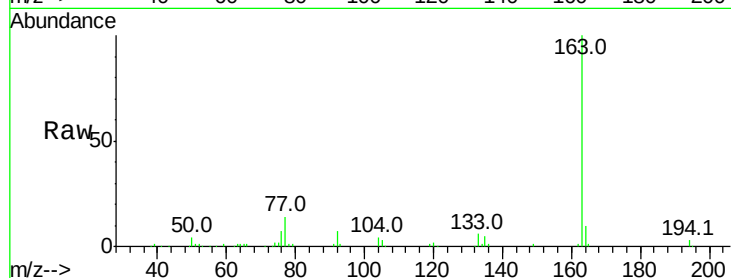
Tot Ion:163 Resp: 137355

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

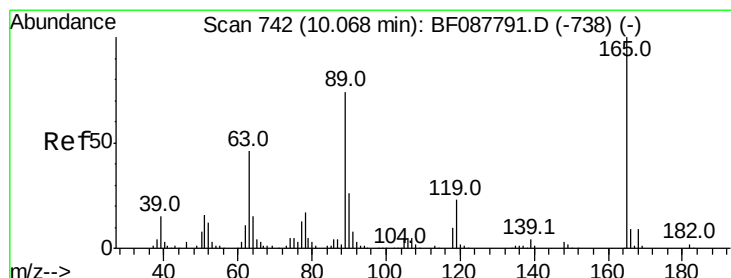
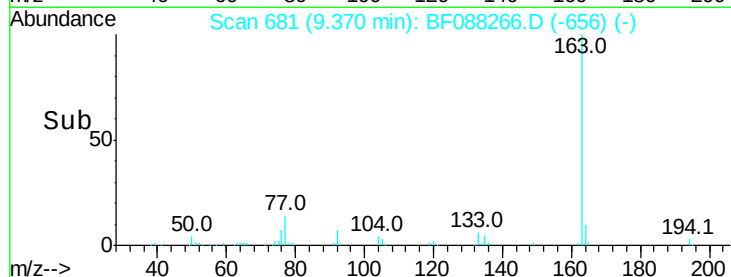
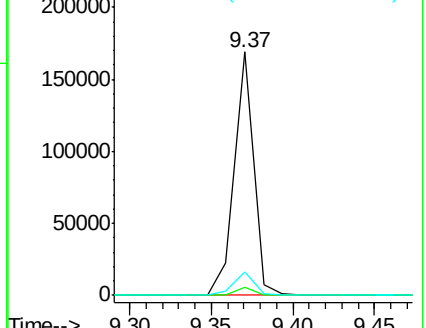
164 9.8 8.3 12.5



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: 6.09 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.22 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

Tgt Ion:165 Resp: 19075

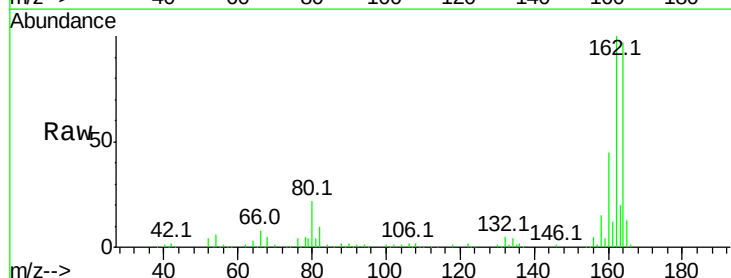
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

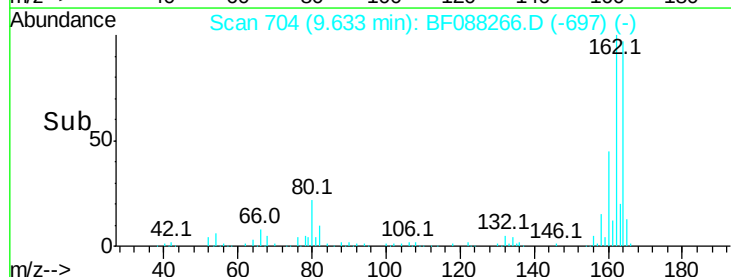
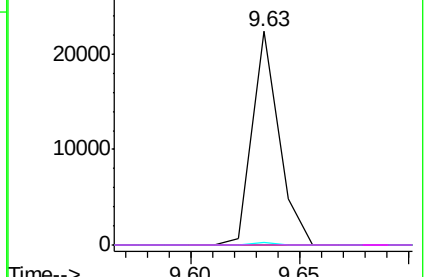


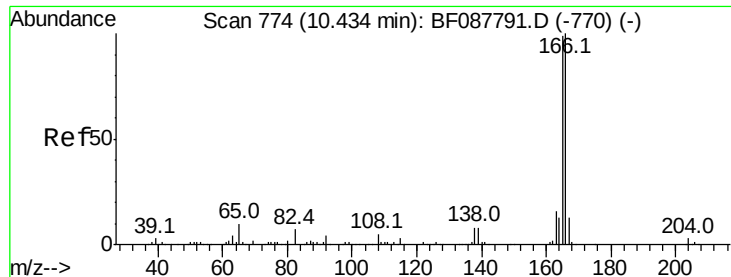
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.19 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

Instrument :

BNA_F

ClientSampleId :

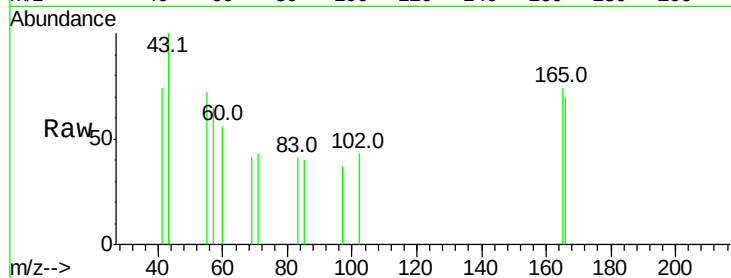
Tot Ion:166 Resp: 788

Ion Ratio Lower Upper

166 100

165 105.8 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

10.19

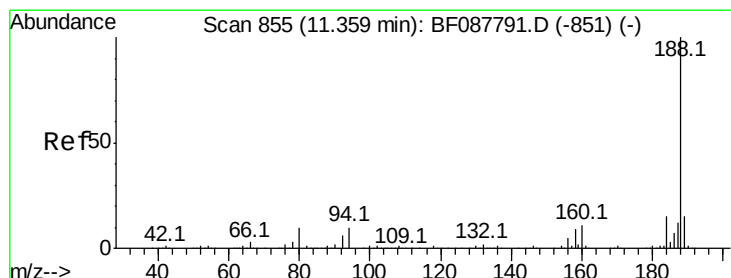
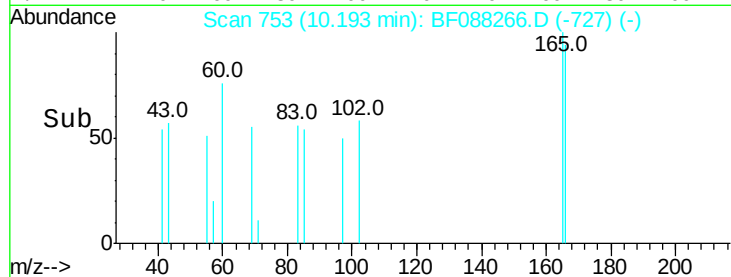
600

400

200

0

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

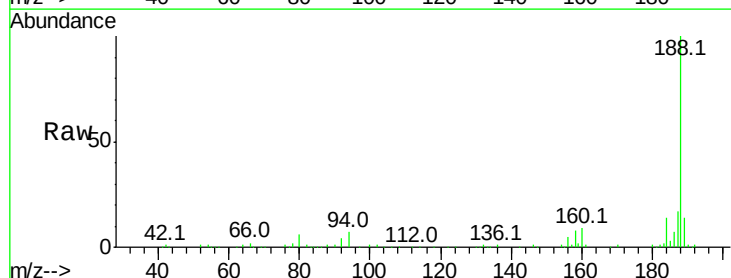
Tgt Ion:188 Resp: 227310

Ion Ratio Lower Upper

188 100

94 6.5 9.0 13.6#

80 6.4 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

11.12

200000

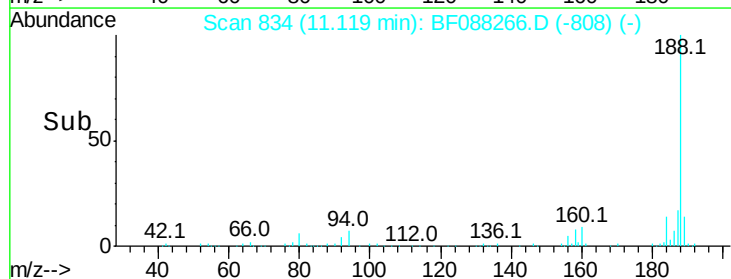
150000

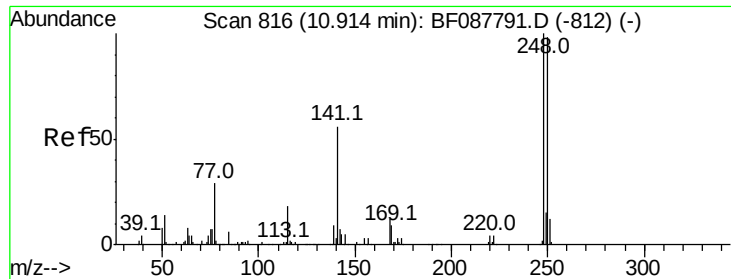
100000

50000

0

Time-->





#66

4-Bromophenyl-phenylether

Concen: 3.04 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

Instrument :

BNA_F

ClientSampleId :

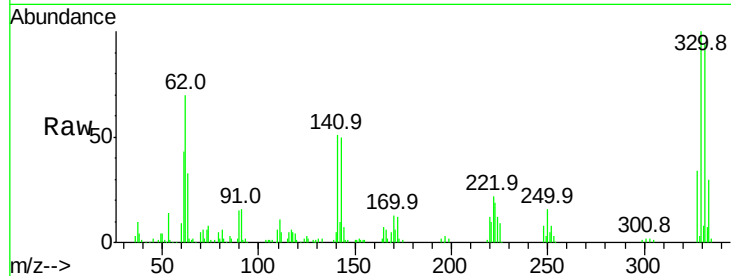
Tot Ion:248 Resp: 7425

Ion Ratio Lower Upper

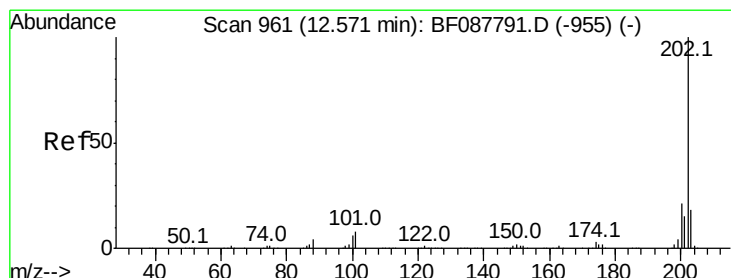
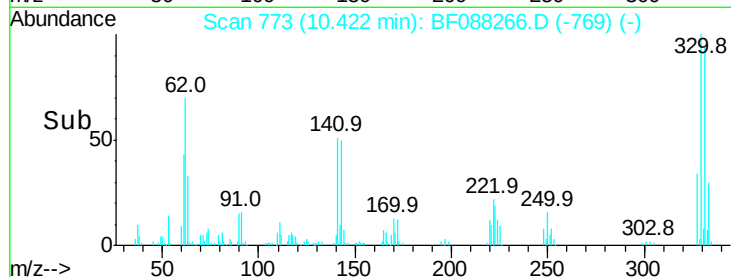
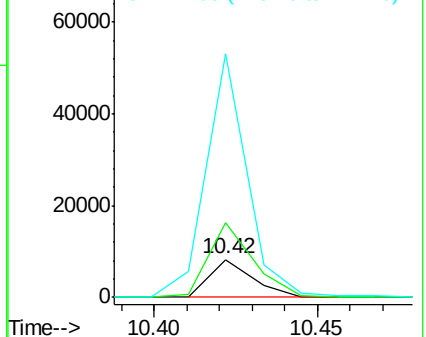
248 100

250 195.4 77.1 115.7#

141 641.4 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



#74

Fluoranthene

Concen: 3.97 ng

RT: 12.32 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

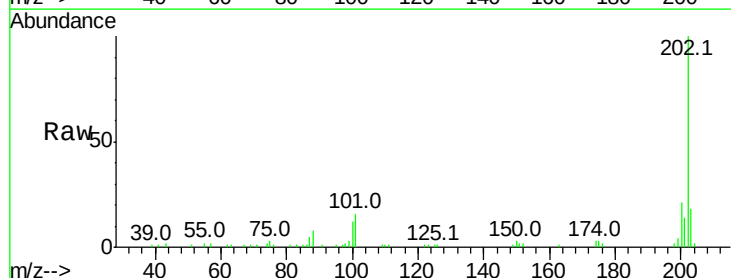
Tgt Ion:202 Resp: 50028

Ion Ratio Lower Upper

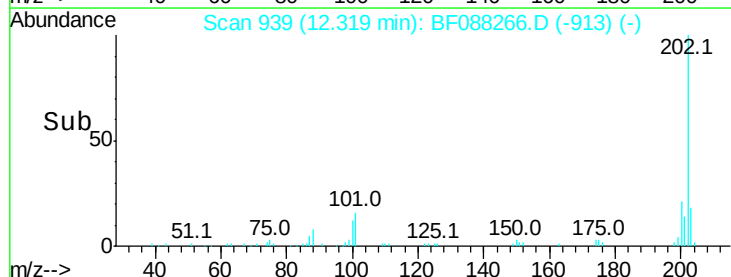
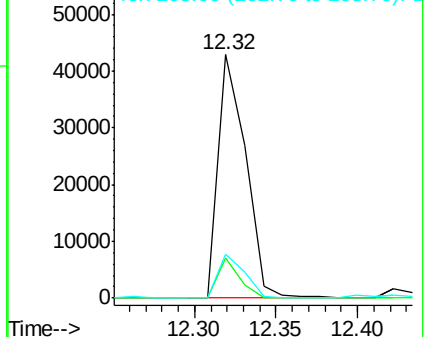
202 100

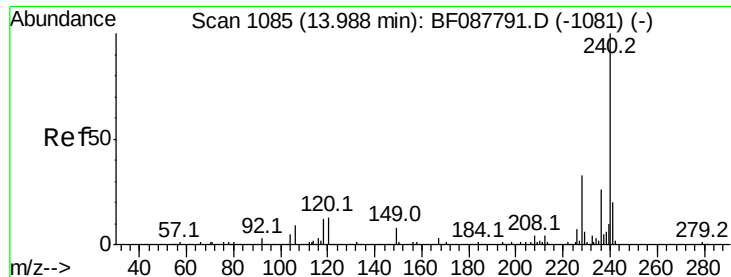
101 16.4 0.0 33.1

203 17.9 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: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

Instrument :

BNA_F

ClientSampleId :

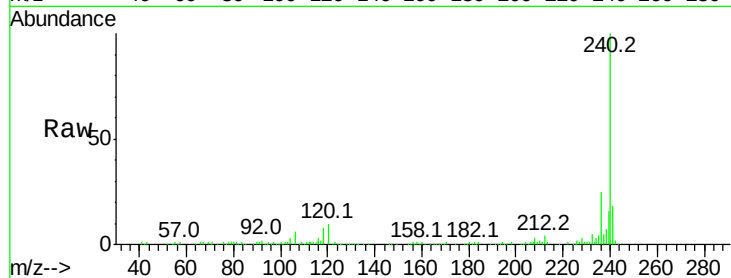
Tot Ion:240 Resp: 169632

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

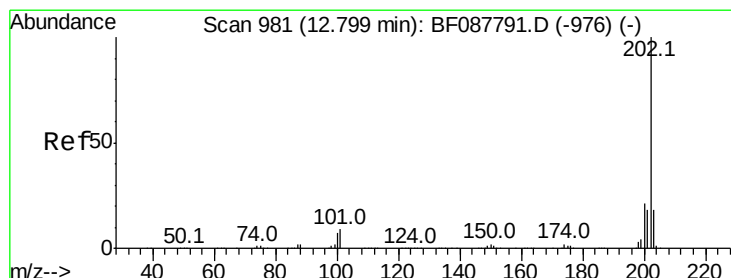
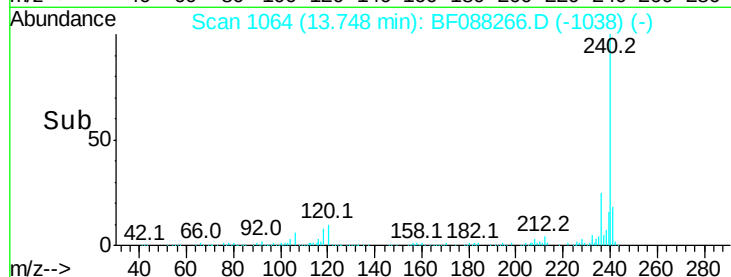
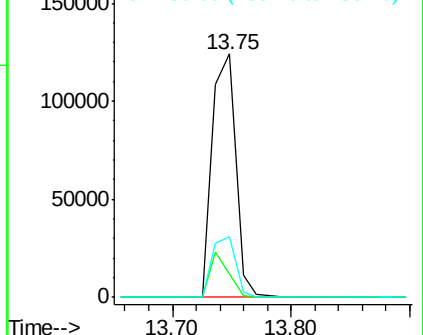
236 24.9 20.2 30.2



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



#77

Pyrene

Concen: 3.81 ng

RT: 12.55 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF088266.D

Acq: 22 Jun 2016 23:12

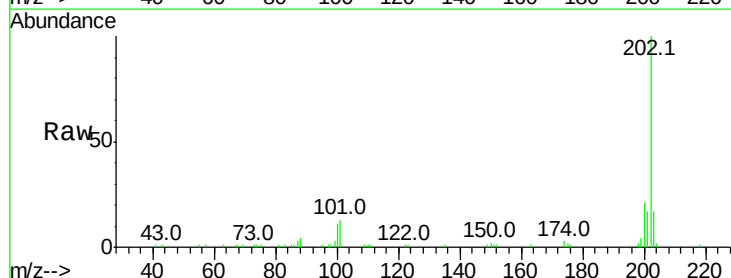
Tgt Ion:202 Resp: 48017

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

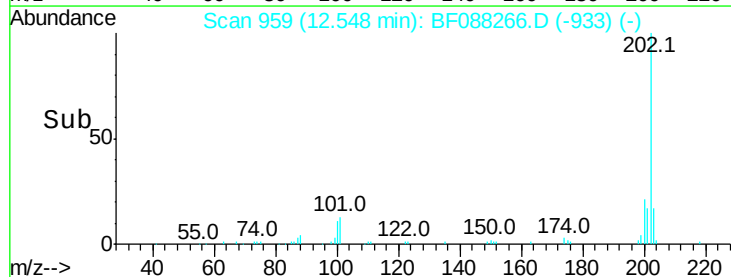
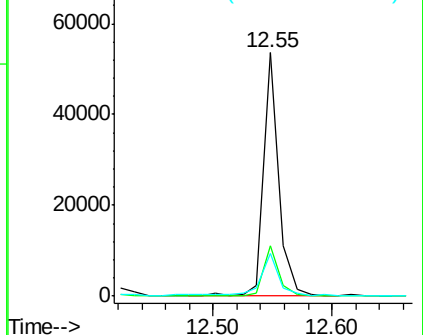
203 17.3 14.5 21.7

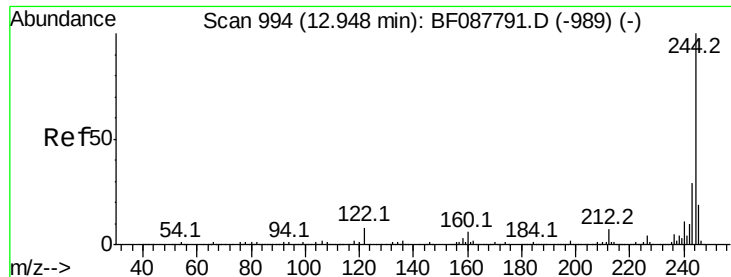


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

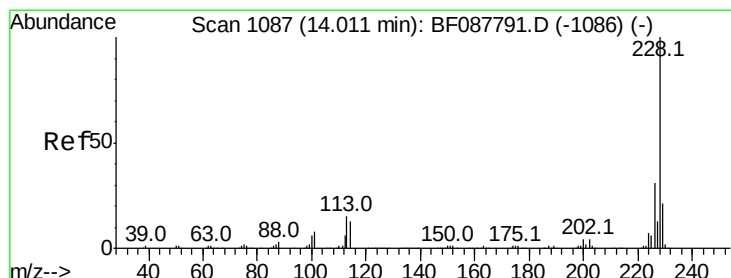
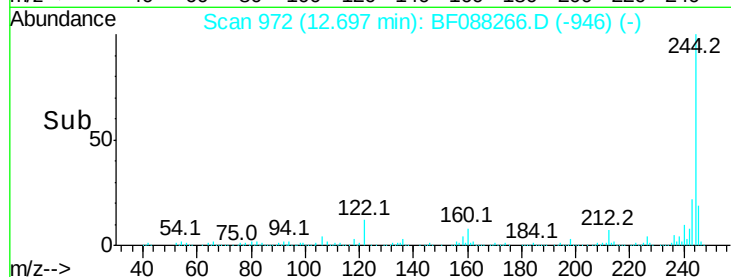
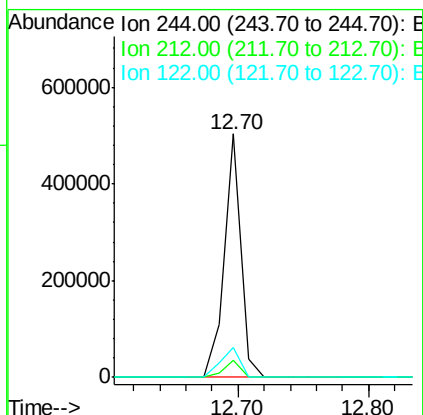
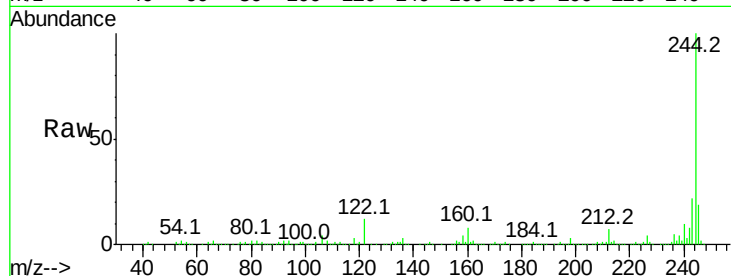




#78
 Terphenyl-d14
 Concen: 60.22 ng
 RT: 12.70 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF088266.D
 Acq: 22 Jun 2016 23:12

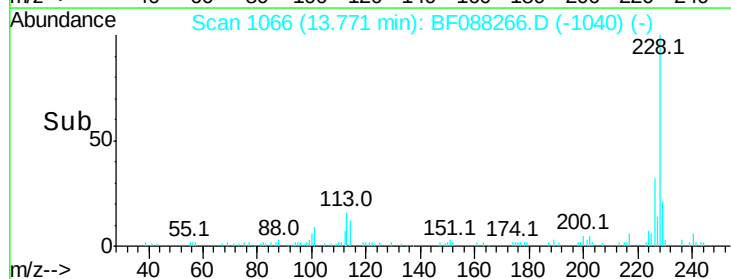
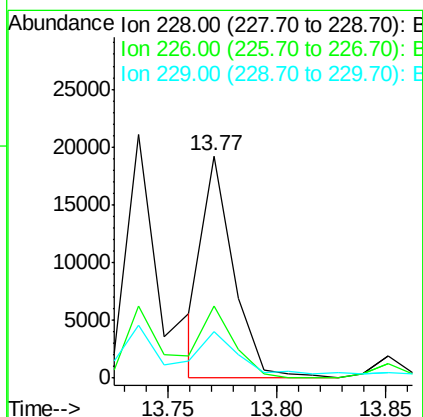
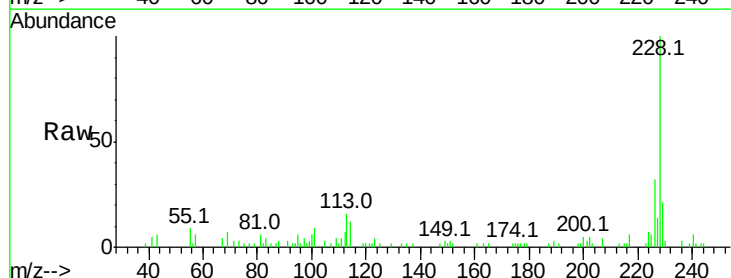
Instrument :
 BNA_F
 ClientSampleId :

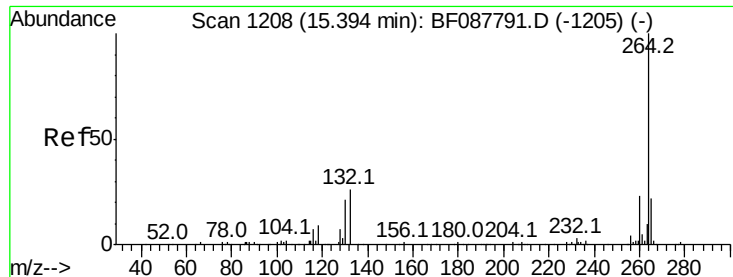
Tot Ion:244 Resp: 448892
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 12.5 11.2 16.8



#82
 Chrysene
 Concen: 2.08 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF088266.D
 Acq: 22 Jun 2016 23:12

Tgt Ion:228 Resp: 18904
 Ion Ratio Lower Upper
 228 100
 226 32.3 25.4 38.2
 229 21.0 16.3 24.5



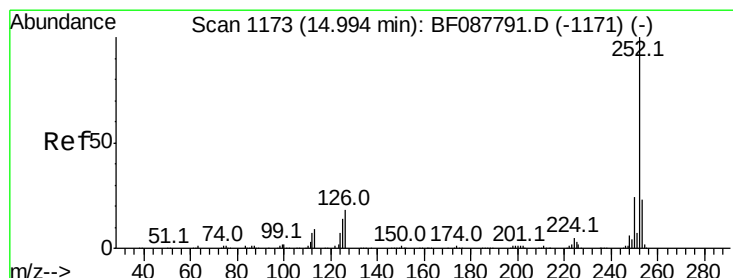
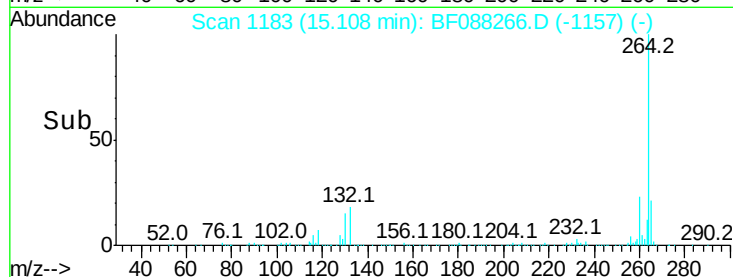
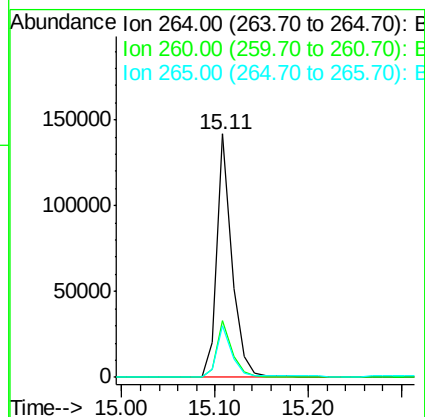
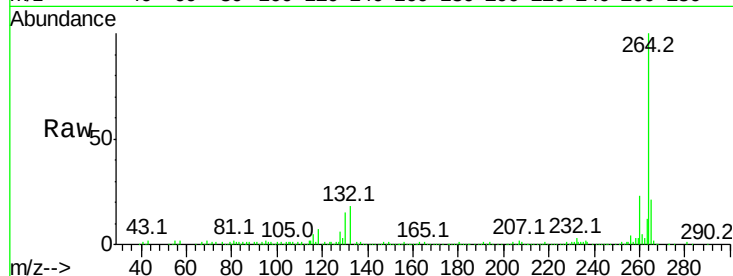


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 160274

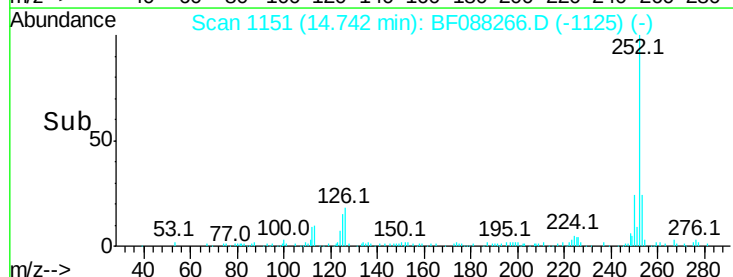
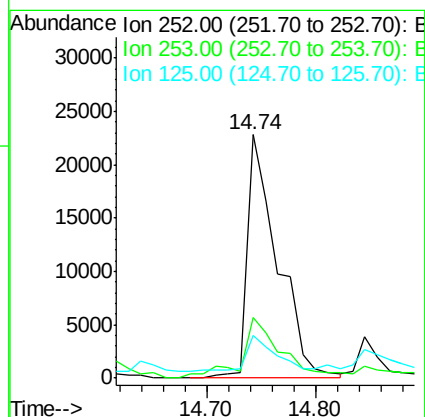
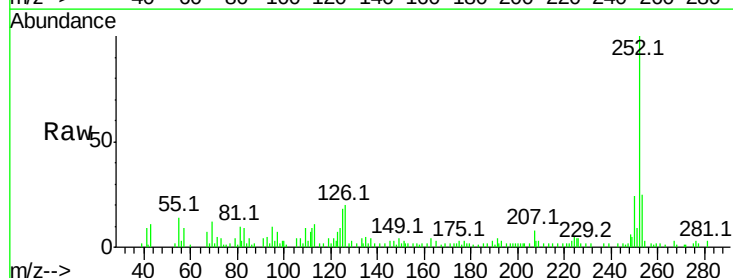
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	16.9	25.3

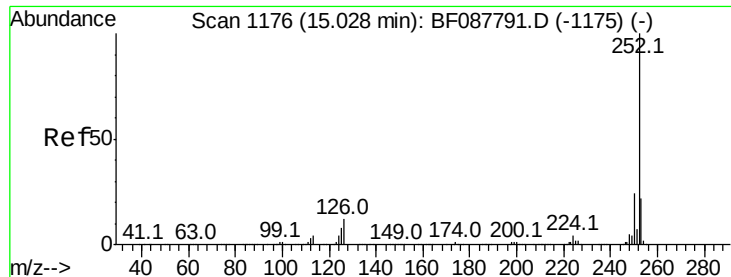


#87
Benzo(b)fluoranthene
Concen: 3.92 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Tgt Ion:252 Resp: 43750

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	17.7	7.1	10.7#

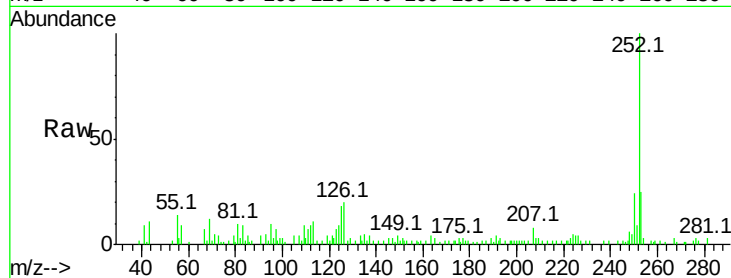




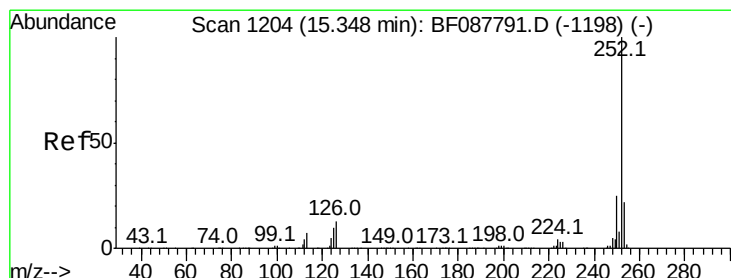
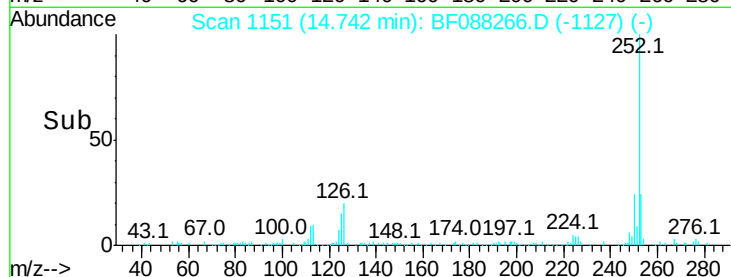
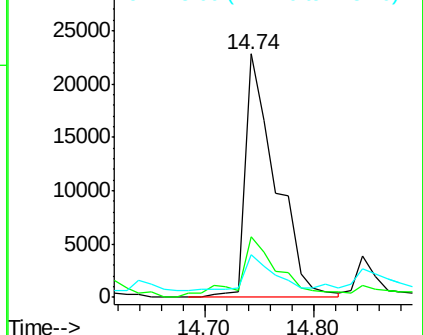
#88
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43750
Ion Ratio Lower Upper
252 100
253 25.0 18.0 27.0
125 17.7 11.2 16.8#

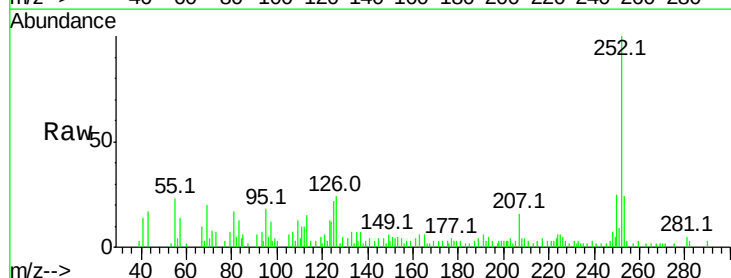


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.41 ng
RT: 15.06 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BF088266.D
Acq: 22 Jun 2016 23:12

Tgt Ion:252 Resp: 21774
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 21.8 12.5 18.7#



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

