

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084989.D
 Acq On : 10 Feb 2016 13:24
 Operator : SJ/IZ
 Sample : H1329-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(10-12)

Manual Integrations
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Quant Time: Feb 10 15:24:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	161774	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	636977	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	268719	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	434813	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	314444	20.00	ng	0.00
86) Perylene-d12	15.13	264	277058	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1011486	97.39	ng	0.01
7) Phenol-d6	6.28	99	1516297	117.76	ng	0.00
23) Nitrobenzene-d5	7.20	82	944856	83.56	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	226323	80.74	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1349508	84.34	ng	0.00
78) Terphenyl-d14	12.72	244	743984	53.62	ng	-0.01

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.39	163	189651	9.27	ng	# 90
51) Acenaphthene	9.69	154	43670	2.50	ng	97
57) Fluorene	10.20	166	44957	2.52	ng	98
70) Phenanthrene	11.17	178	649026	26.91	ng	99
71) Anthracene	11.21	178	171082	7.04	ng	99
72) Carbazole	11.37	167	47942	2.26	ng	99
74) Fluoranthene	12.34	202	714624	29.28	ng	99
77) Pyrene	12.57	202	708281	29.42	ng	99
79) Butylbenzylphthalate	13.20	149	58713	5.38	ng	# 77
80) Benzo(a)anthracene	13.76	228	356017m	18.24	ng	
82) Chrysene	13.79	228	310797m	16.42	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	155708m	10.45	ng	
87) Benzo(b)fluoranthene	14.77	252	359103m	19.29	ng	
88) Benzo(k)fluoranthene	14.78	252	109670m	7.13	ng	
89) Benzo(a)pyrene	15.07	252	267873	16.89	ng	# 90
90) Dibenzo(a,h)anthracene	16.39	278	47821m	3.58	ng	
91) Benzo(g,h,i)perylene	16.77	276	148777	11.06	ng	96

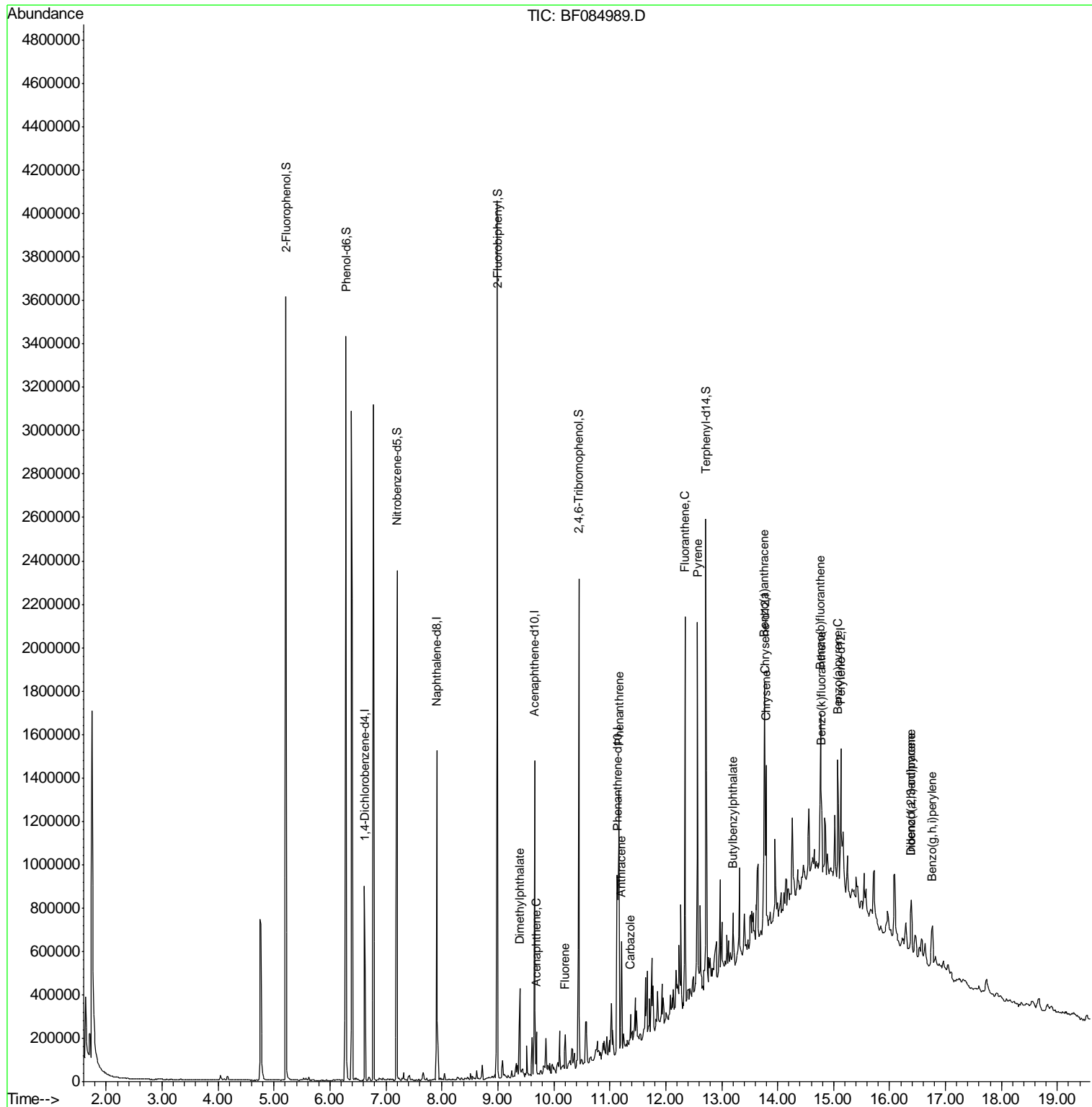
(#) = qualifier out of range (m) = manual integration (+) = signals summed

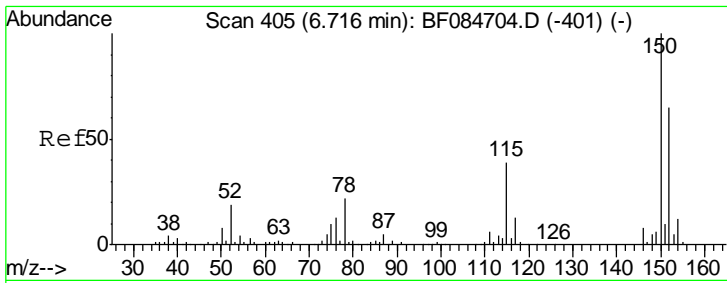
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
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 S4-B006(10-12)

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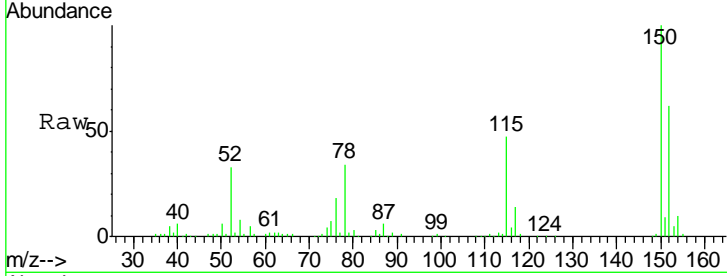
Quant Time: Feb 10 15:24:43 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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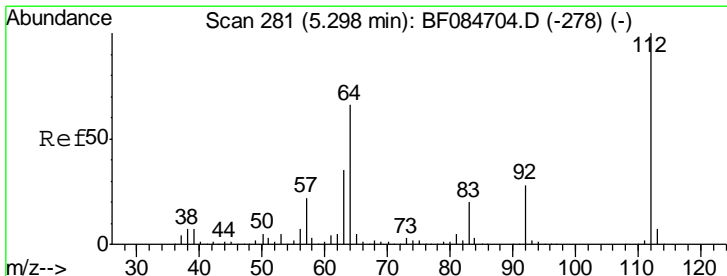
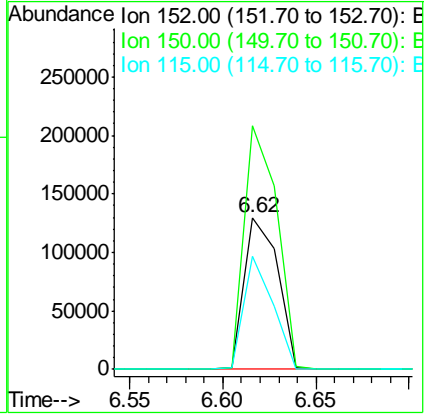
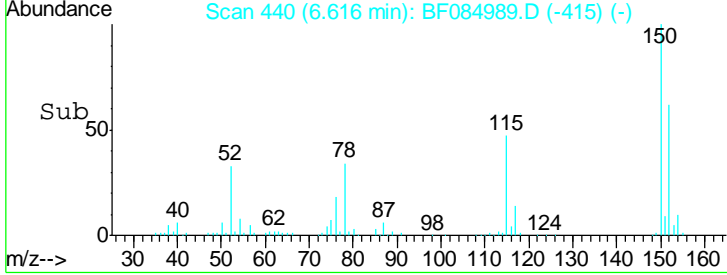
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.62 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)

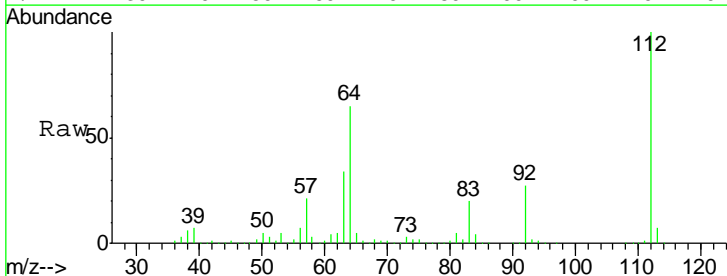


Tgt Ion	Resp	Lower	Upper
152	161774		
152	100		
150	160.4	123.0	184.4
115	74.8	51.4	77.2

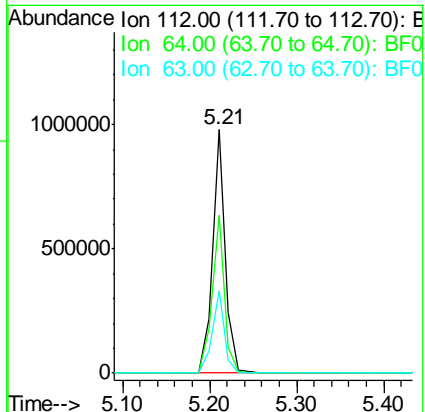
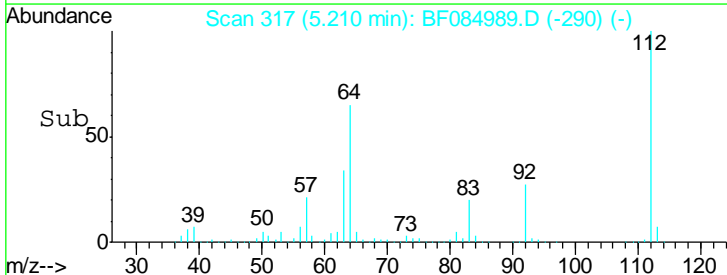
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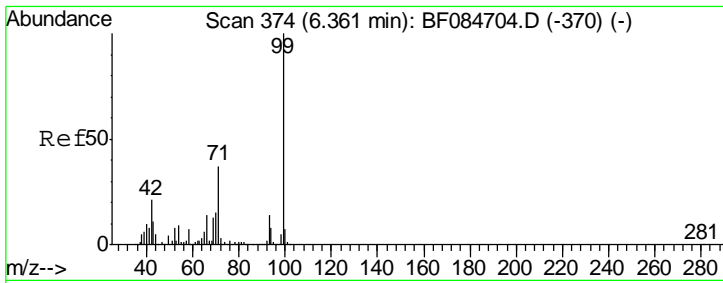


#5
 2-Fluorophenol
 Concen: 97.39 ng
 RT: 5.21 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24



Tgt Ion	Resp	Lower	Upper
112	1011486		
112	100		
64	65.0	36.6	55.0#
63	34.0	19.4	29.0#



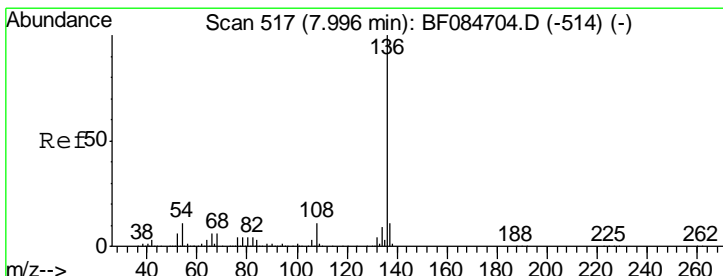
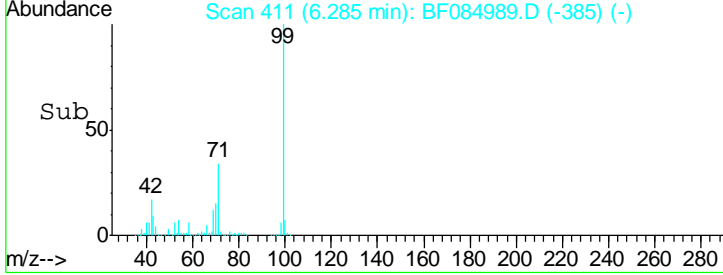
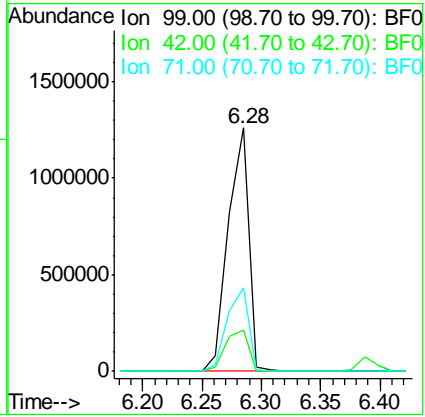
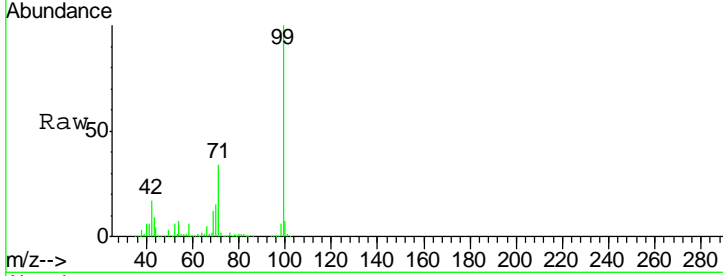


#7
 Phenol-d6
 Concen: 117.76 ng
 RT: 6.28 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)

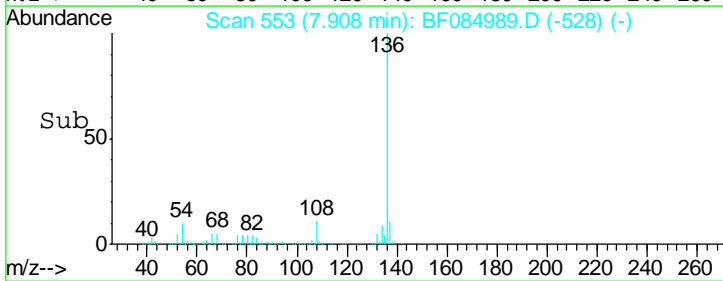
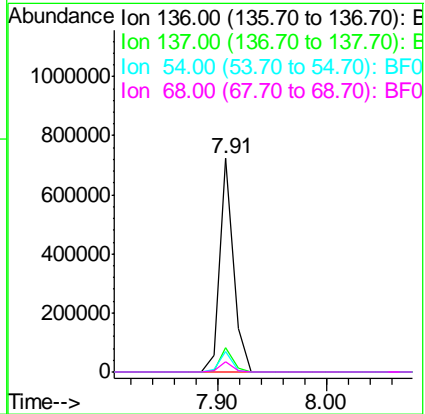
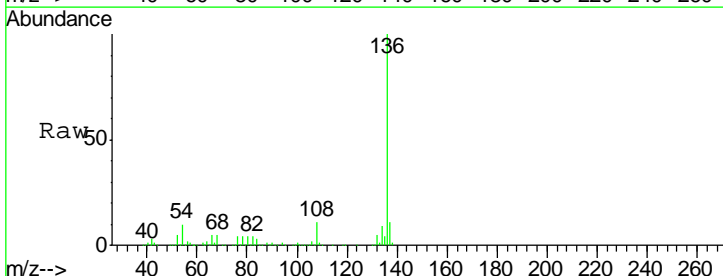
Tgt Ion	Resp	Lower	Upper
99	1516297		
42	16.8	12.8	19.2
71	34.5	30.9	46.3

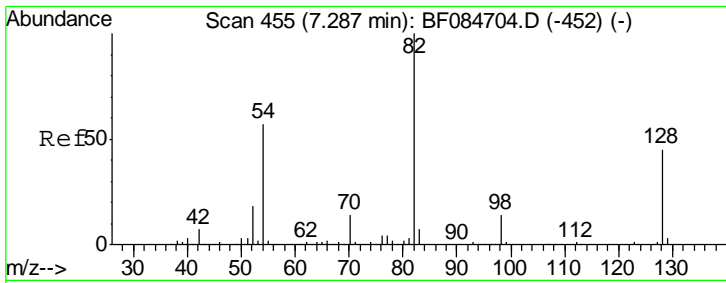
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.91 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Resp	Lower	Upper
136	636977		
137	11.5	8.7	13.1
54	9.8	5.8	8.8#
68	4.9	4.2	6.2





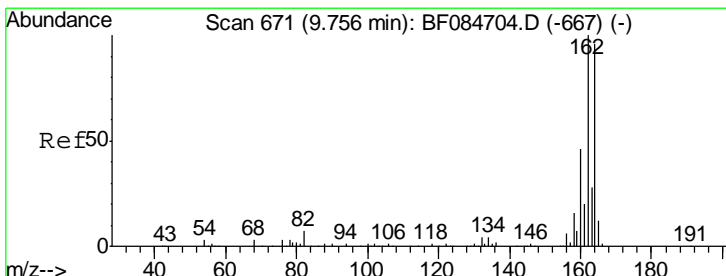
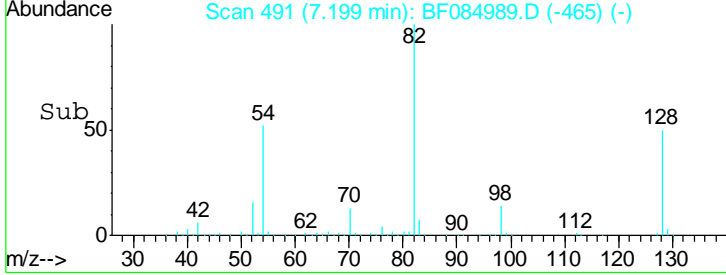
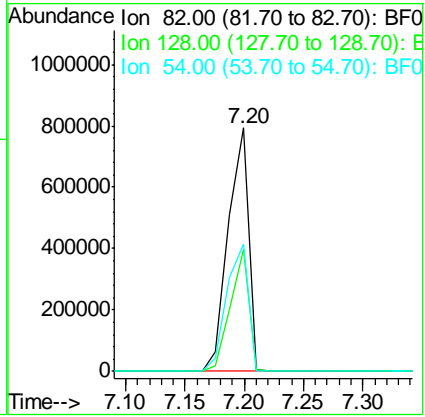
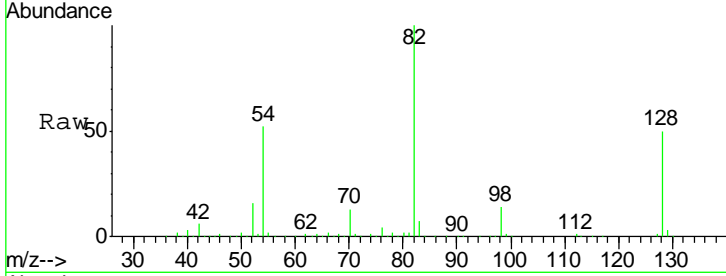
#23
 Nitrobenzene-d5
 Concen: 83.56 ng
 RT: 7.20 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)

Tgt Ion: 82 Resp: 944856

Ion	Ratio	Lower	Upper
82	100		
128	50.3	34.6	51.8
54	52.0	38.4	57.6

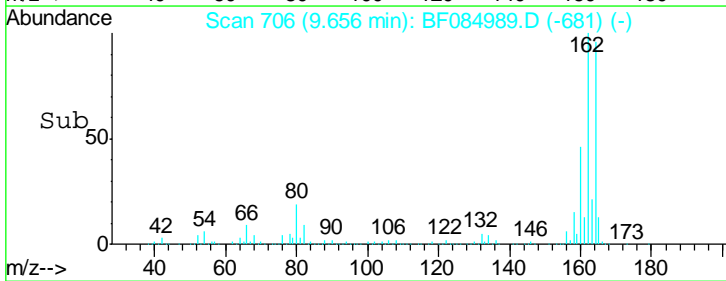
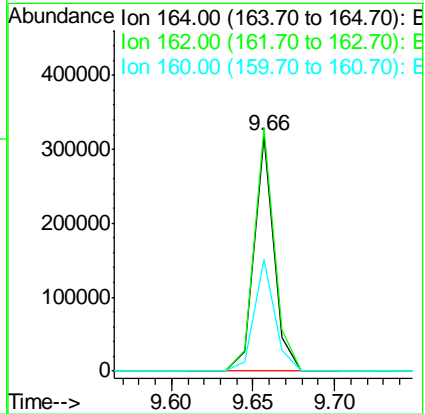
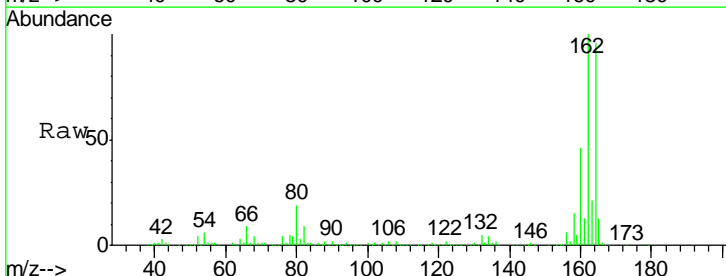
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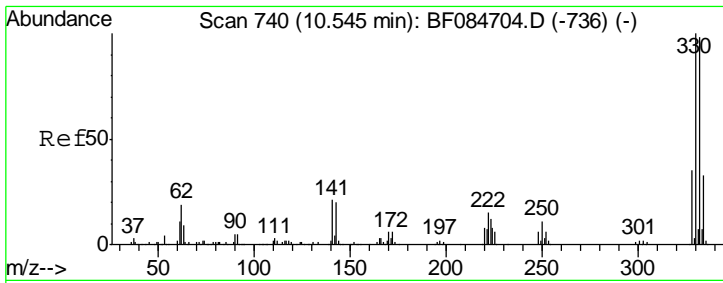


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion: 164 Resp: 268719

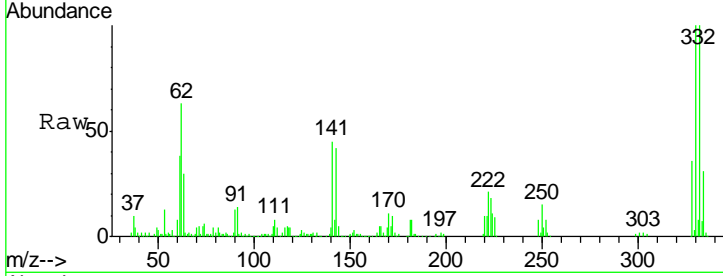
Ion	Ratio	Lower	Upper
164	100		
162	103.8	85.1	127.7
160	47.4	37.5	56.3





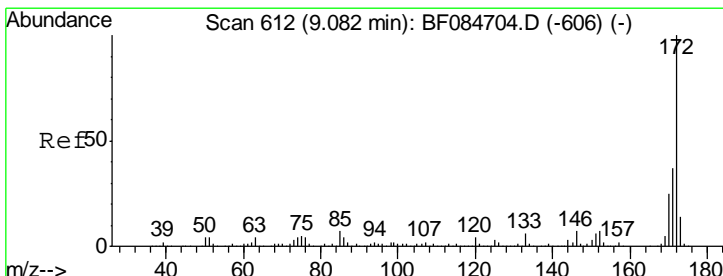
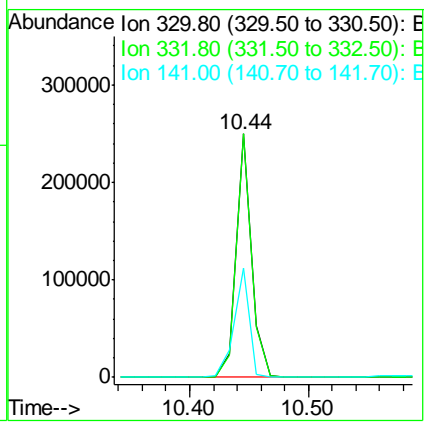
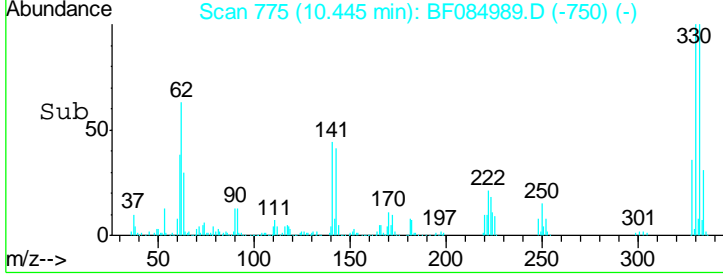
#41
 2,4,6-Tribromophenol
 Concen: 80.74 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)

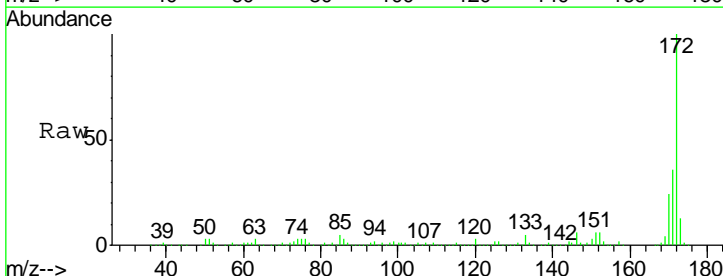


Tgt Ion	Resp	Lower	Upper
330	100		
332	99.1	76.6	114.8
141	44.3	27.8	41.6#

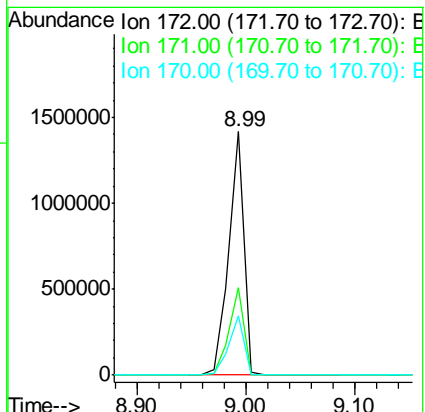
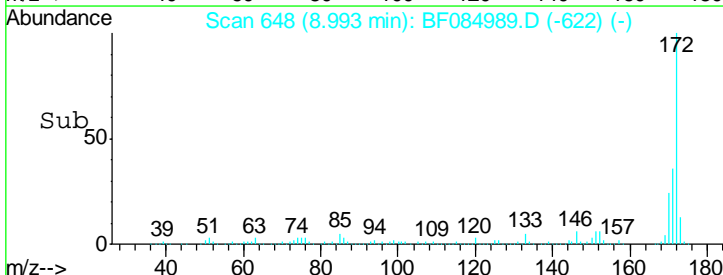
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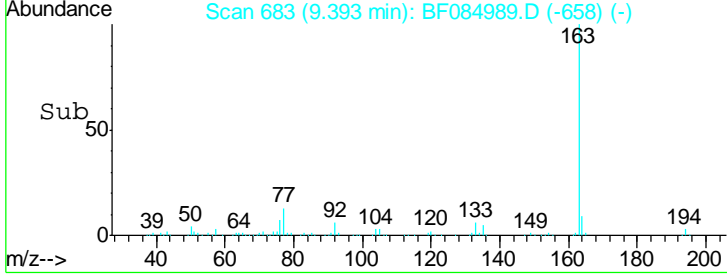
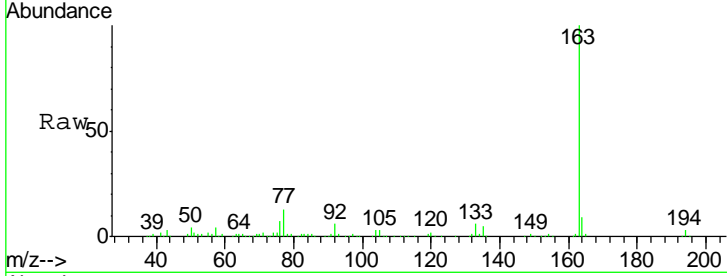
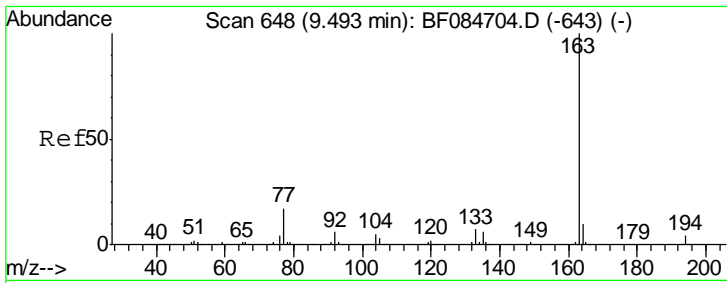


#44
 2-Fluorobiphenyl
 Concen: 84.34 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24



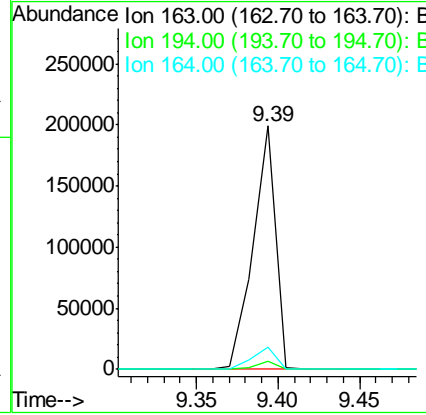
Tgt Ion	Resp	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	24.3	18.6	27.8





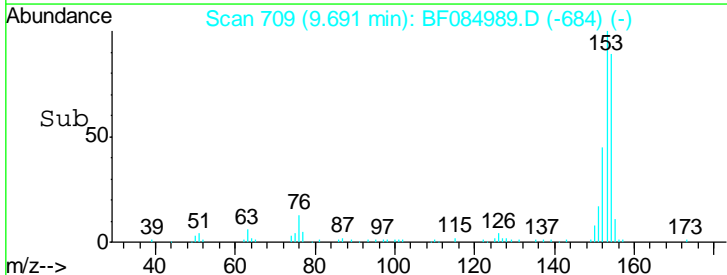
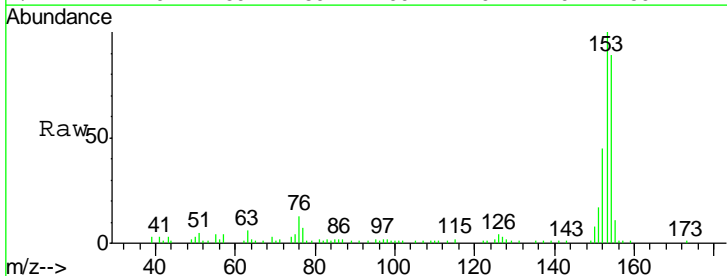
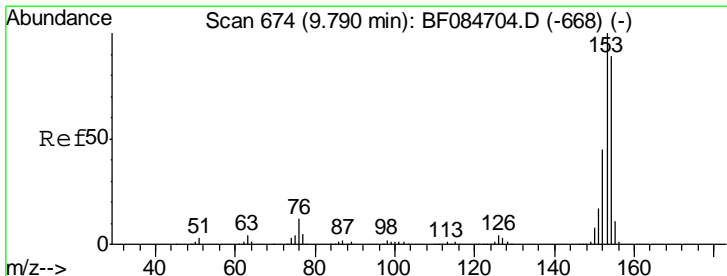
#49
 Dimethylphthalate
 Concen: 9.27 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Resp	Lower	Upper
163	189651		
194	3.3	8.0	12.0#
164	9.1	8.0	12.0



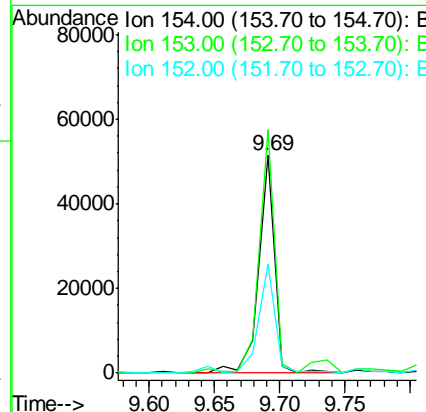
Instrument :
 BNA_F
 ClientSampled :
 S4-B006(10-12)

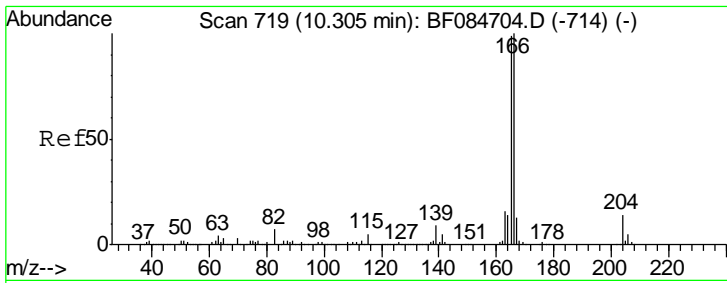
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#51
 Acenaphthene
 Concen: 2.50 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

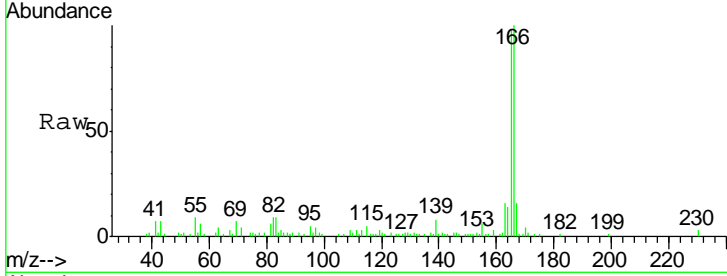
Tgt Ion	Resp	Lower	Upper
154	43670		
153	111.9	91.5	137.3
152	50.1	43.0	64.6





#57
 Fluorene
 Concen: 2.52 ng
 RT: 10.20 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

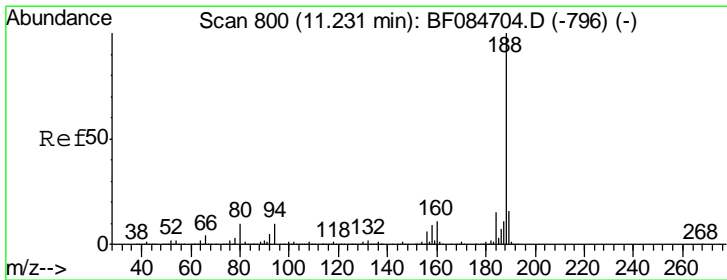
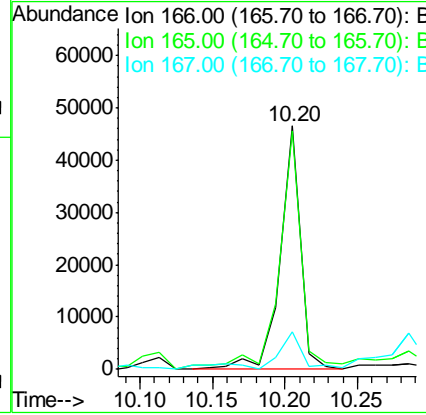
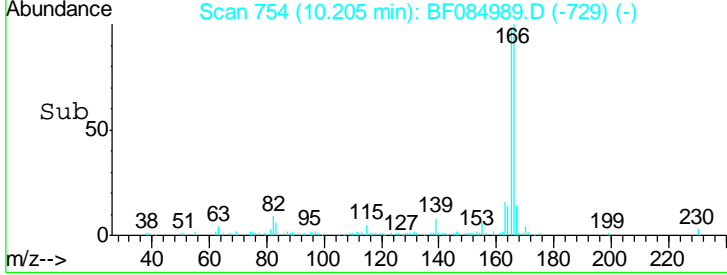
Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)



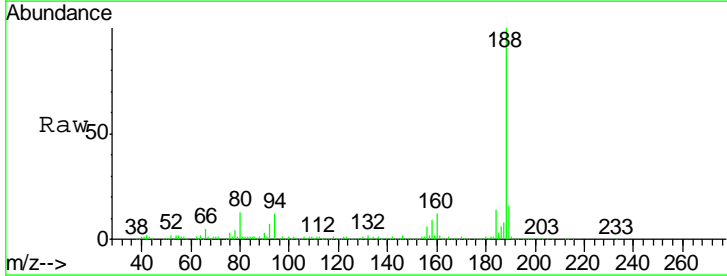
Tgt Ion: 166 Resp: 44957

Ion	Ratio	Lower	Upper
166	100		
165	97.9	79.1	118.7
167	15.5	10.4	15.6

Manual Integrations
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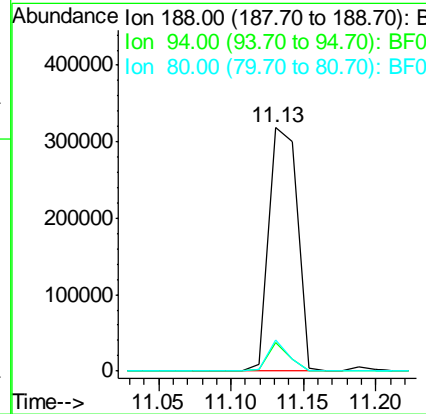
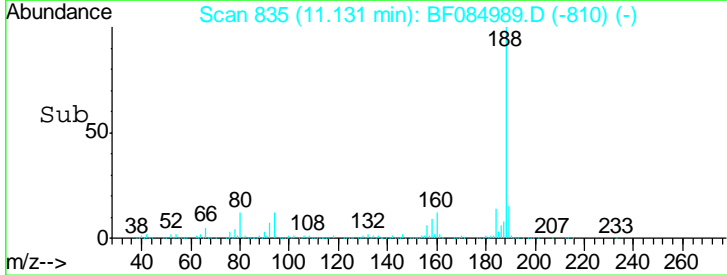


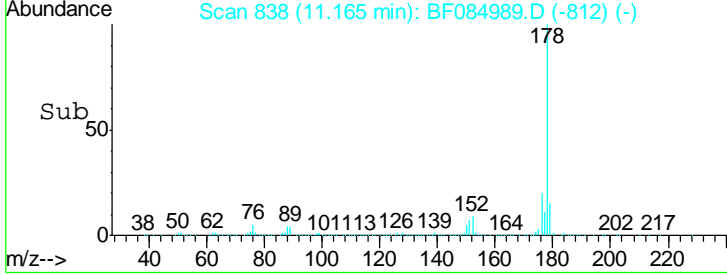
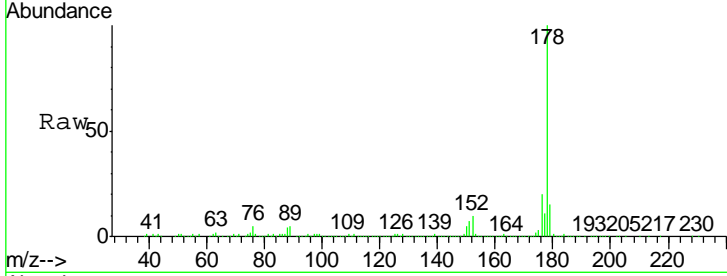
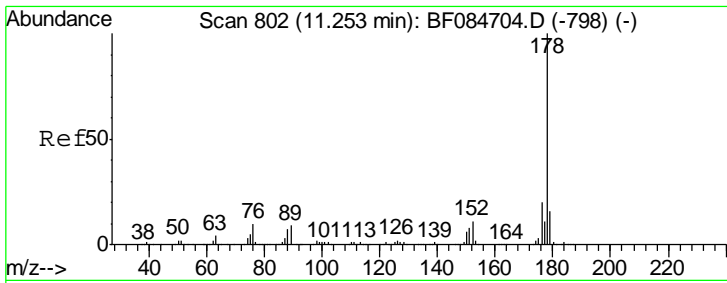
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24



Tgt Ion: 188 Resp: 434813

Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.0	13.4
80	12.5	9.6	14.4



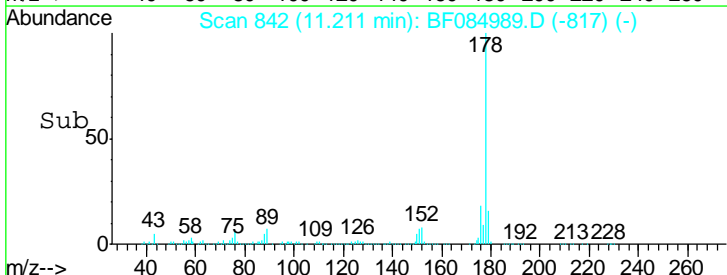
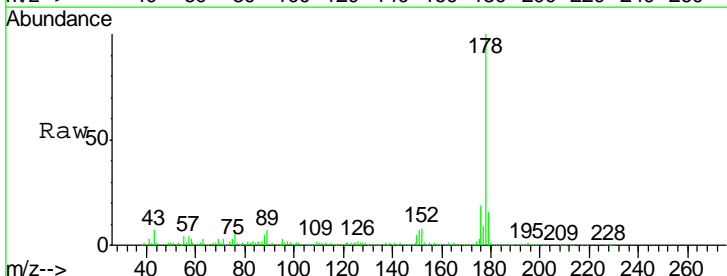
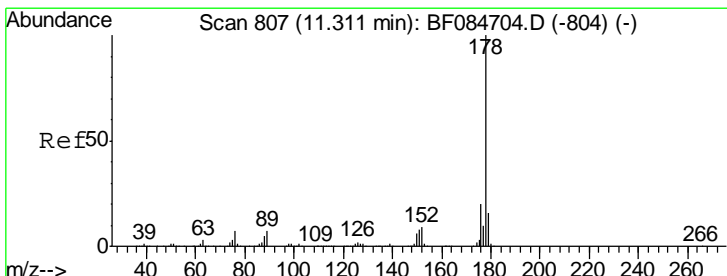
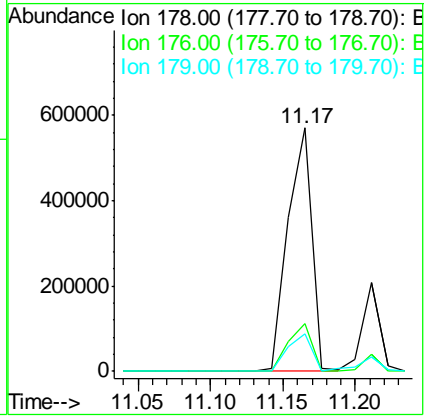


#70
 Phenanthrene
 Concen: 26.91 ng
 RT: 11.17 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.3	12.0	18.0

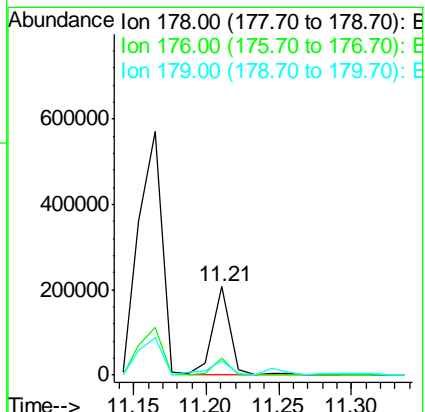
Instrument :
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 ClientSampleId :
 S4-B006(10-12)

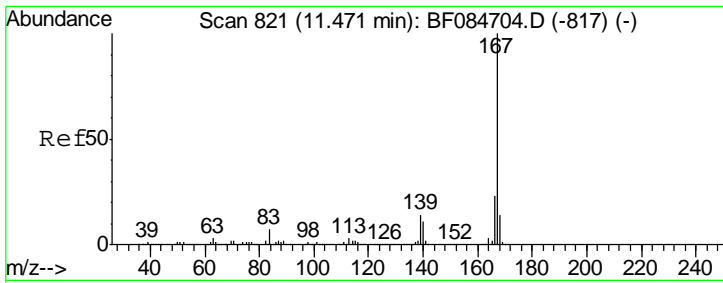
Manual Integrations
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#71
 Anthracene
 Concen: 7.04 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

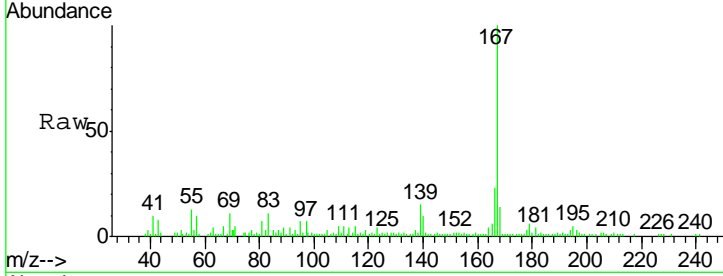
Tgt Ion	Resp	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	16.2	12.5	18.7





#72
 Carbazole
 Concen: 2.26 ng
 RT: 11.37 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

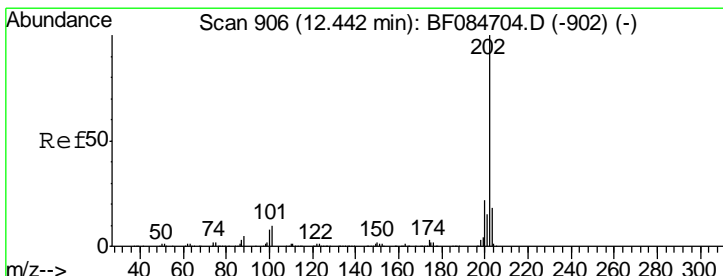
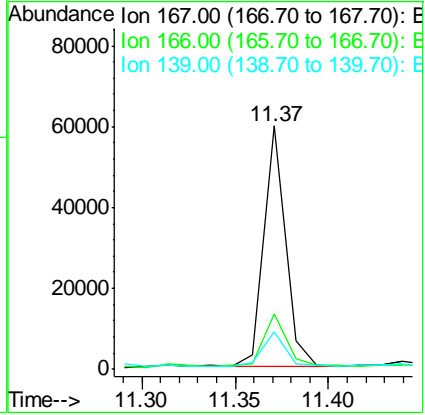
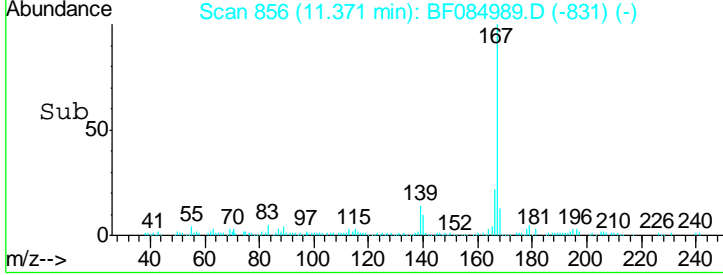
Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)



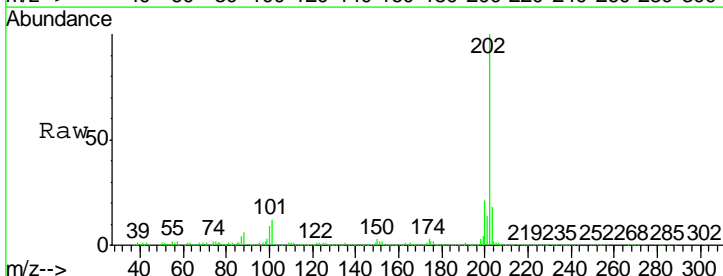
Tgt Ion: 167 Resp: 47942

Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	15.2	11.8	17.8

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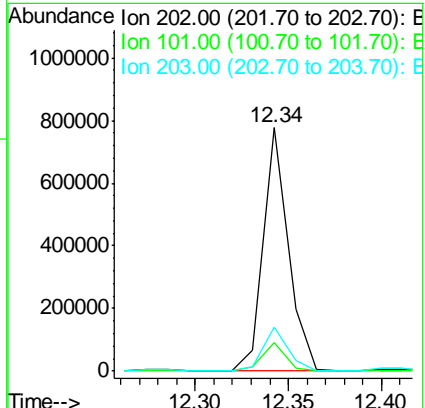
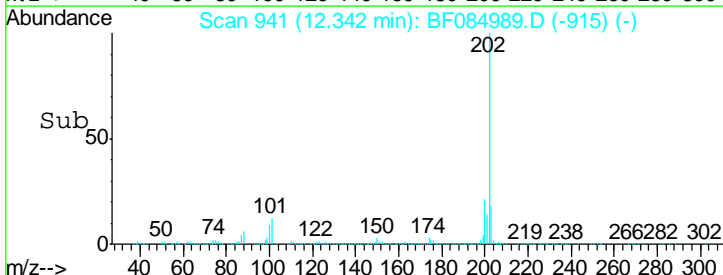


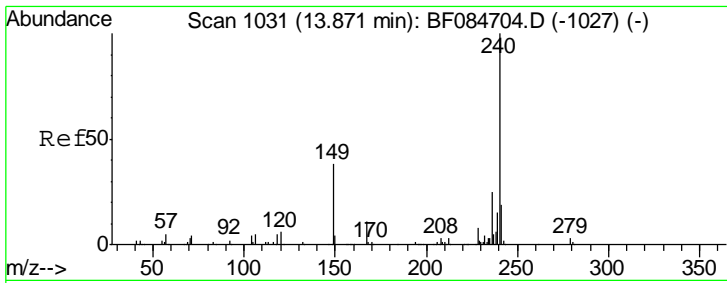
#74
 Fluoranthene
 Concen: 29.28 ng
 RT: 12.34 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24



Tgt Ion: 202 Resp: 714624

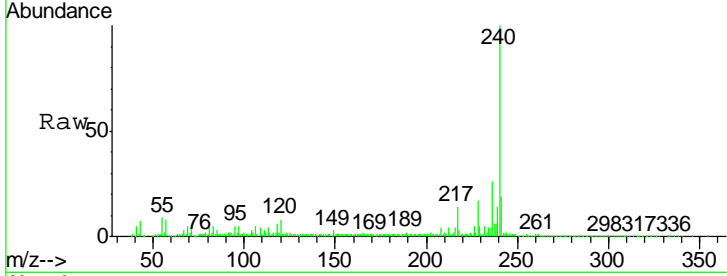
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.8
203	18.0	0.0	37.9





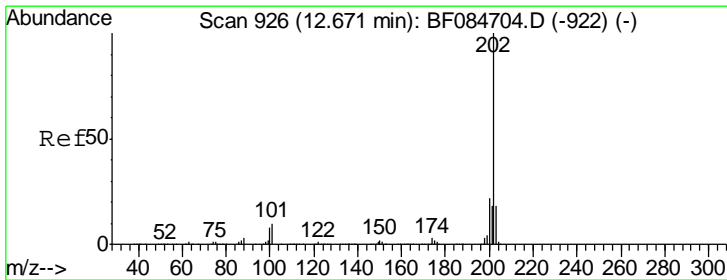
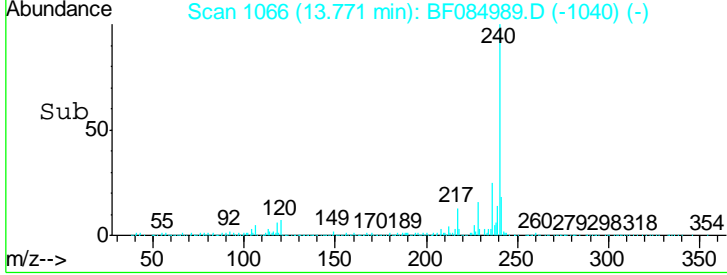
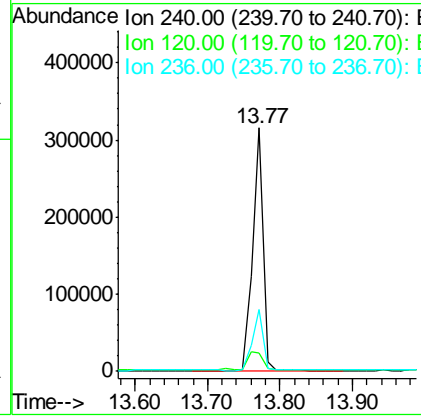
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)



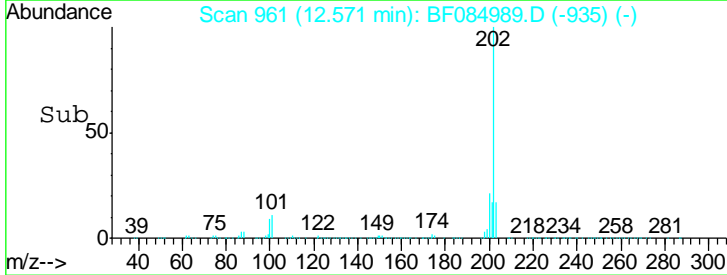
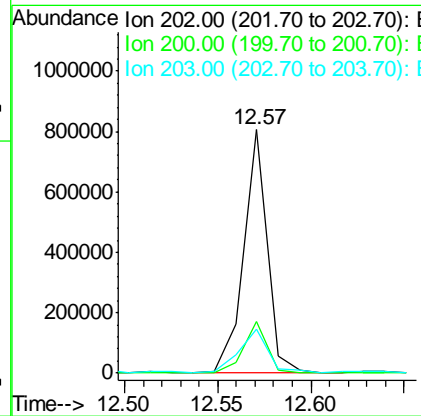
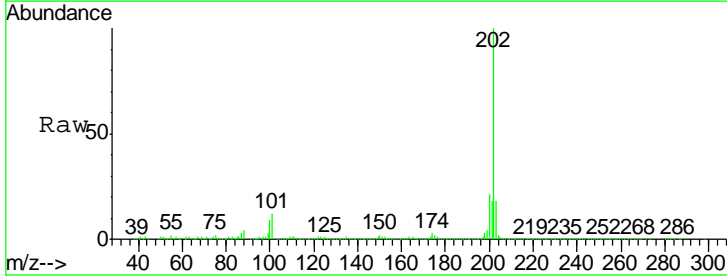
Tgt Ion	Resp	Lower	Upper
240	100		
120	7.8	9.5	14.3#
236	25.6	20.6	31.0

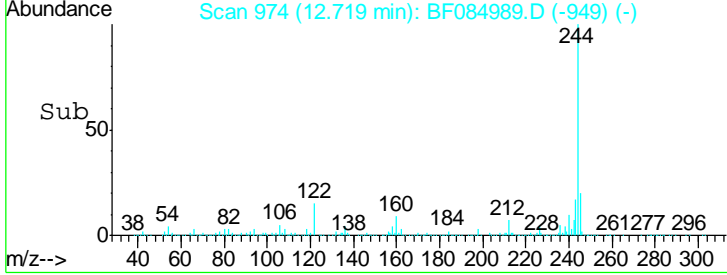
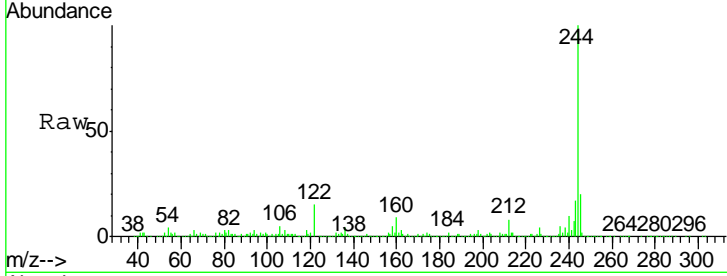
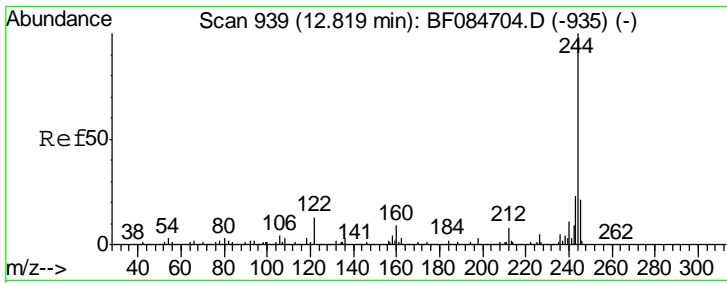
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#77
 Pyrene
 Concen: 29.42 ng
 RT: 12.57 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Resp	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.9	14.3	21.5



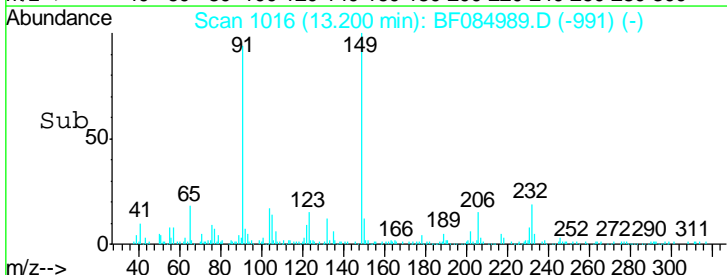
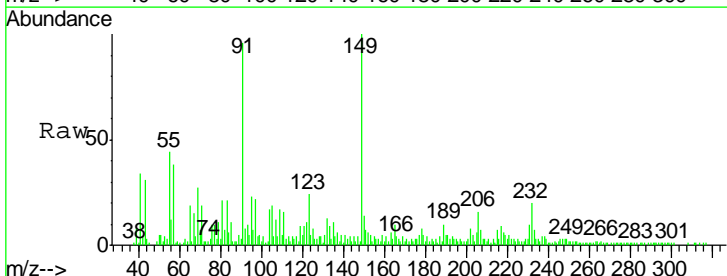
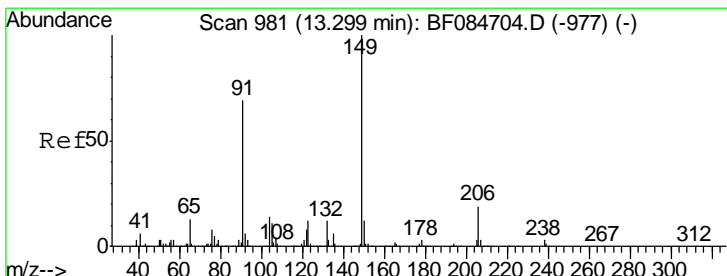
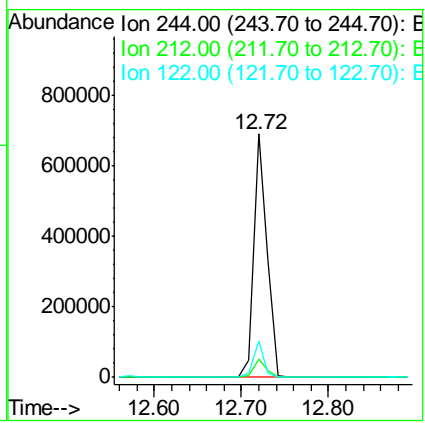


#78
 Terphenyl-d14
 Concen: 53.62 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	15.0	7.4	11.0

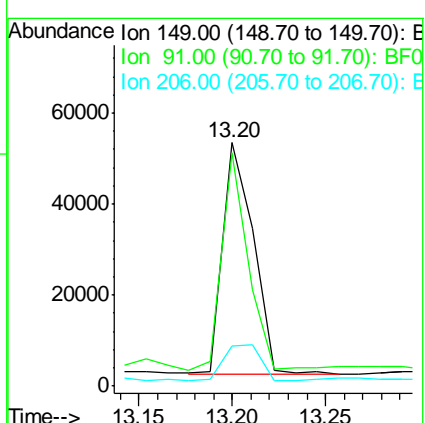
Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(10-12)

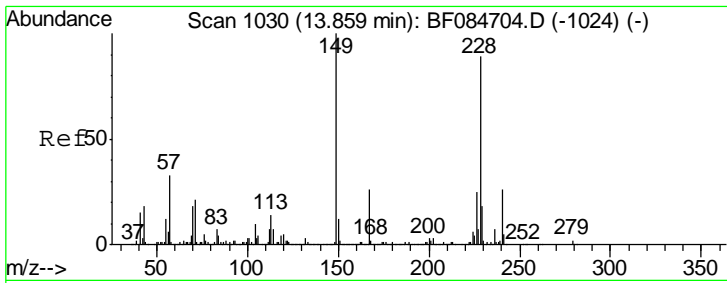
Manual Integrations
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#79
 Butylbenzylphthalate
 Concen: 5.38 ng
 RT: 13.20 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	95.9	57.6	86.4
206	16.5	13.2	19.8



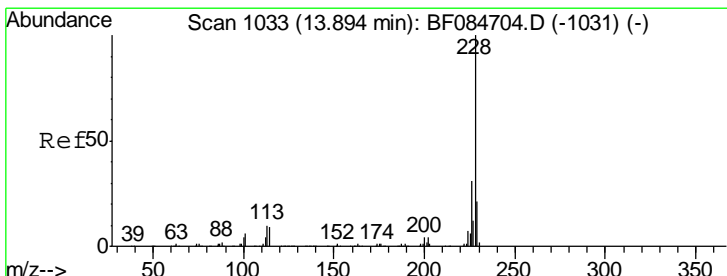
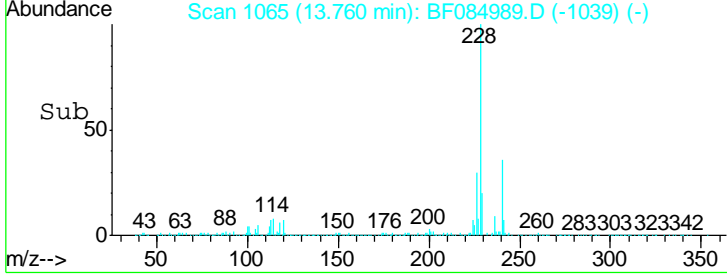
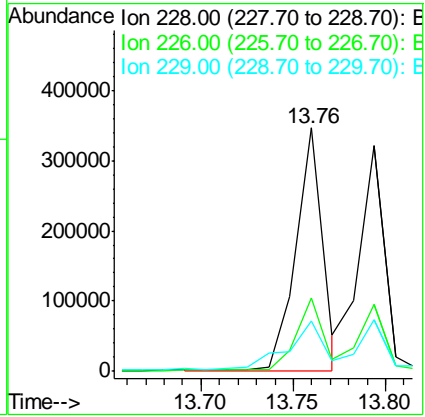
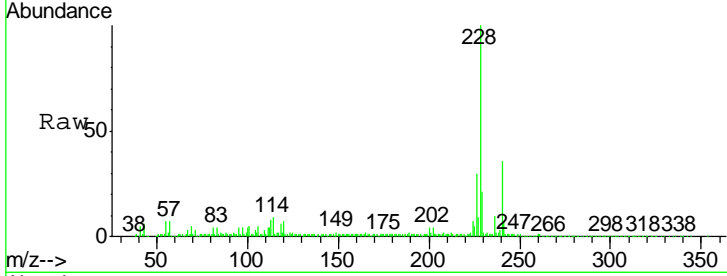


#80
 Benzo(a)anthracene
 Concen: 18.24 ng m
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
 Client Sampled :
 S4-B006(10-12)

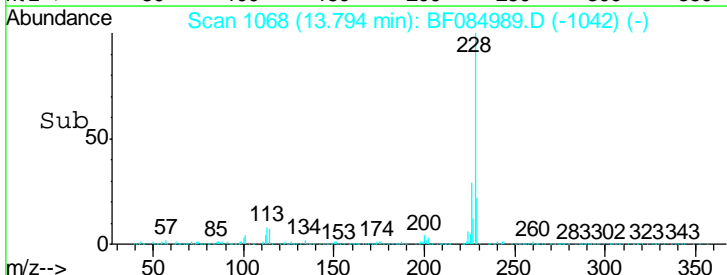
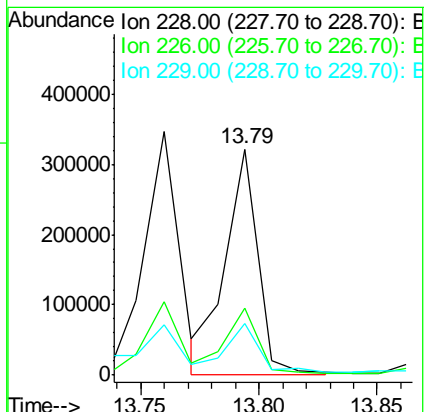
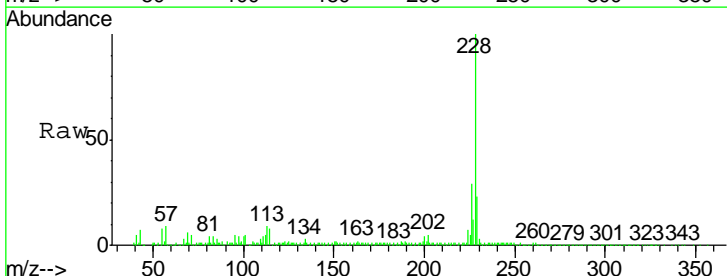
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.1	21.8	32.6
229	20.6	15.8	23.8

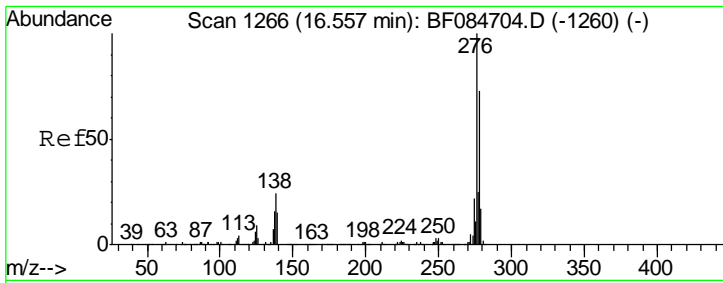
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#82
 Chrysene
 Concen: 16.42 ng m
 RT: 13.79 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

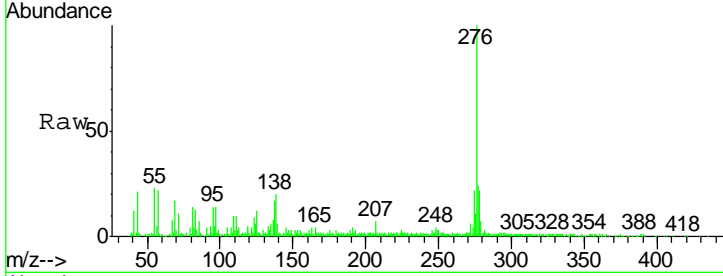
Tgt Ion	Resp	Lower	Upper
228	100		
226	29.5	24.3	36.5
229	22.6	16.1	24.1





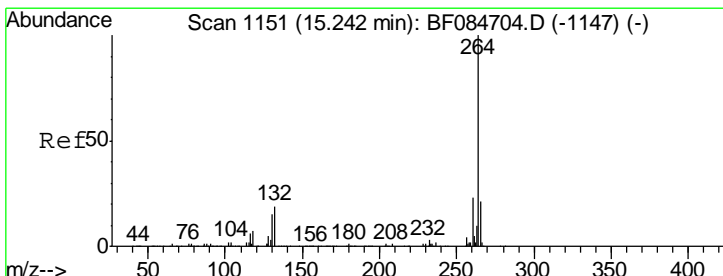
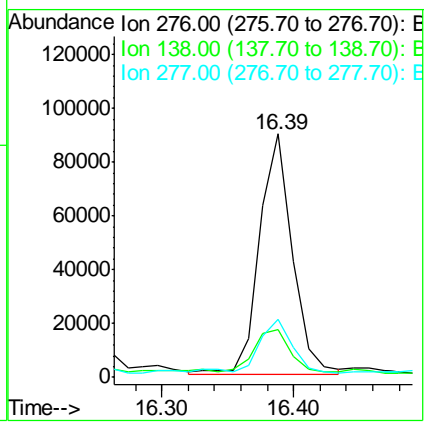
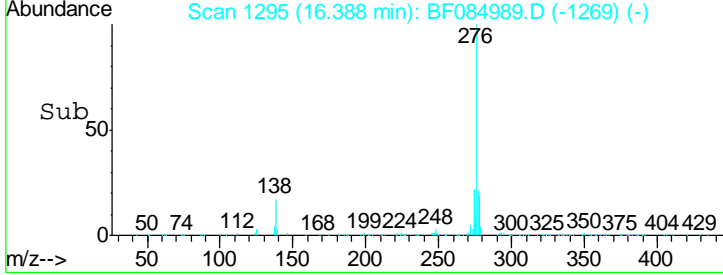
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.45 ng m
 RT: 16.39 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)

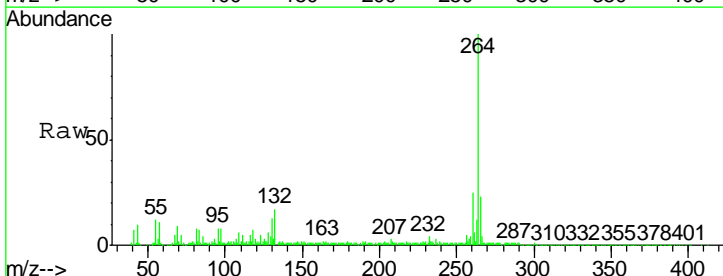


Tgt Ion	Resp	Lower	Upper
276	155708		
138	0.0	20.6	30.8#
277	0.0	20.1	30.1#

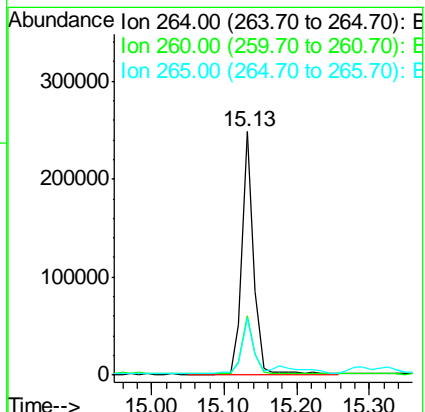
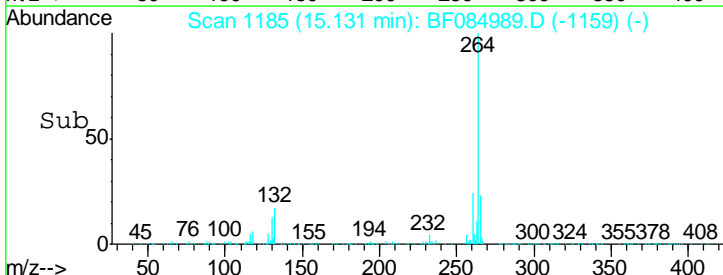
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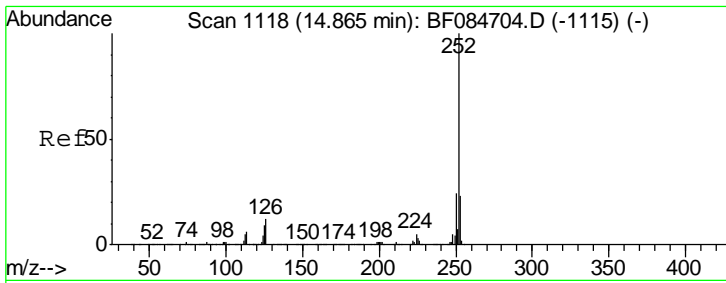


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24



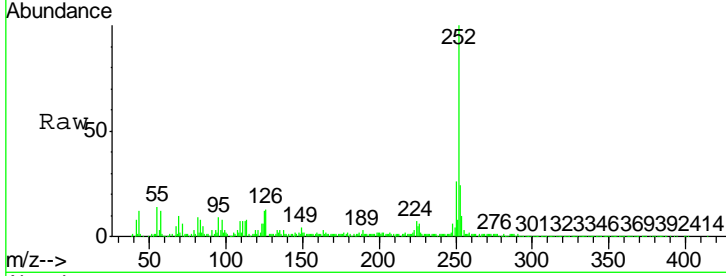
Tgt Ion	Resp	Lower	Upper
264	277058		
260	24.6	19.4	29.2
265	23.2	17.8	26.6





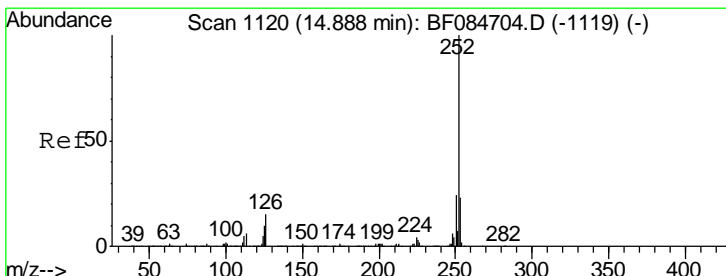
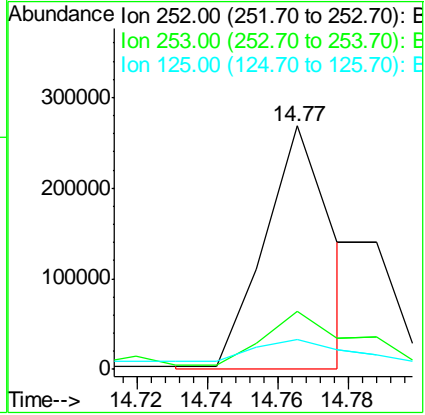
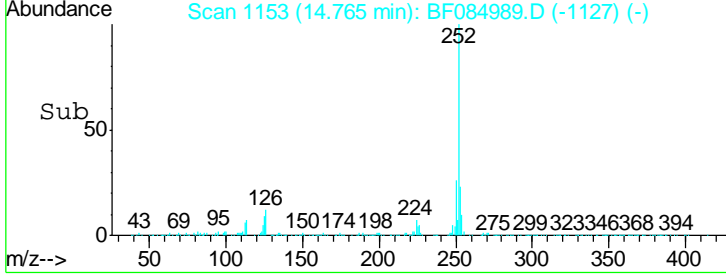
#87
 Benzo(b)fluoranthene
 Concen: 19.29 ng m
 RT: 14.77 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
 ClientSampleId :
 S4-B006(10-12)



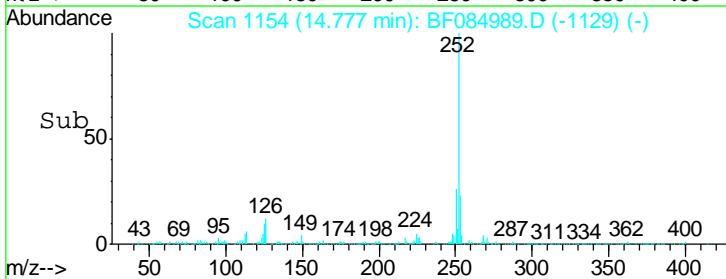
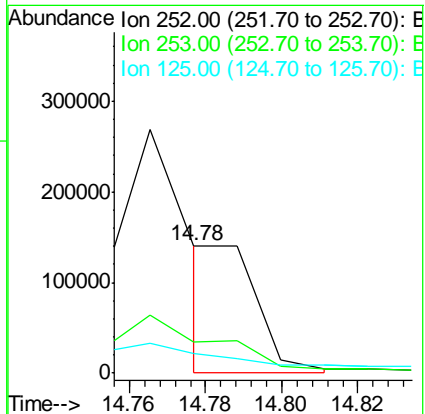
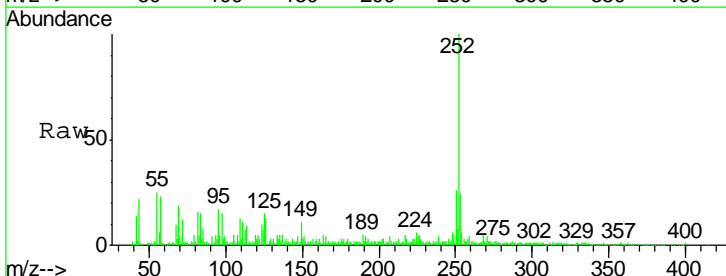
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	12.2	6.5	9.7#

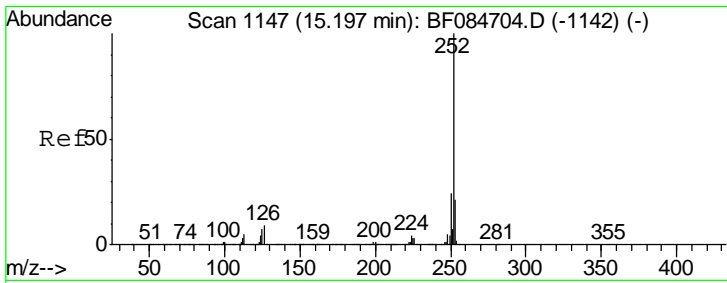
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#88
 Benzo(k)fluoranthene
 Concen: 7.13 ng m
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

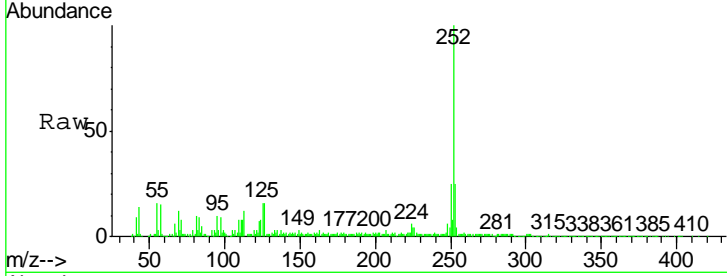
Tgt Ion	Resp	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	15.5	9.0	13.6#





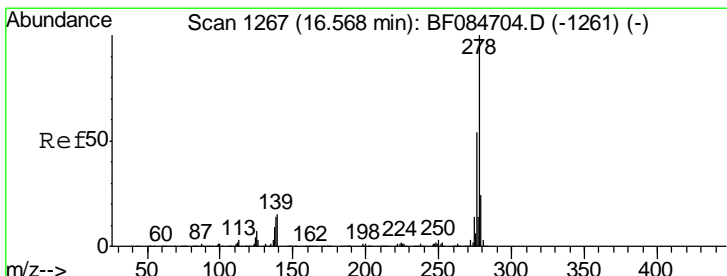
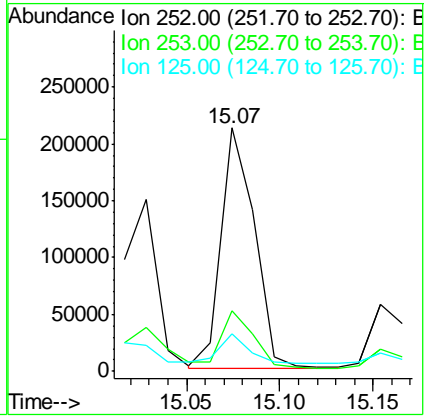
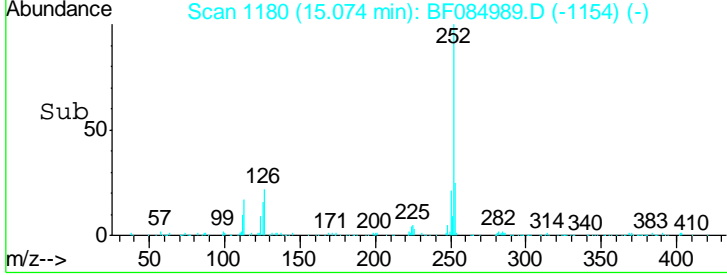
#89
 Benzo(a)pyrene
 Concen: 16.89 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Instrument :
 BNA_F
ClientSampled :
 S4-B006(10-12)



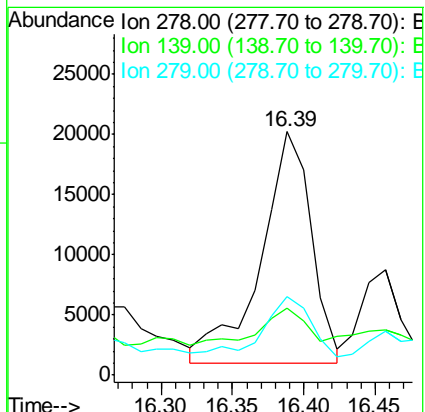
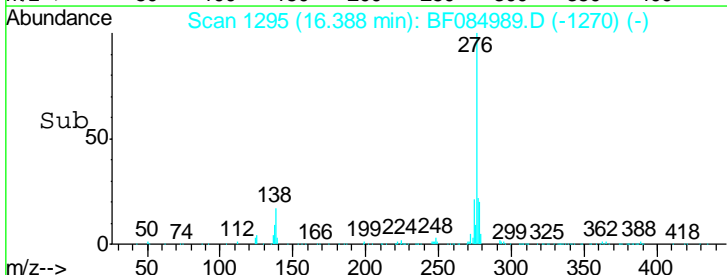
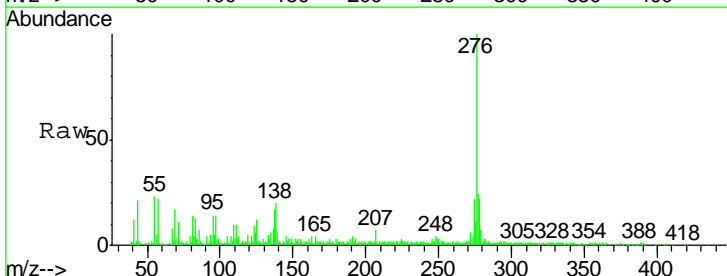
Tgt Ion	Resp	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	15.6	7.0	10.4

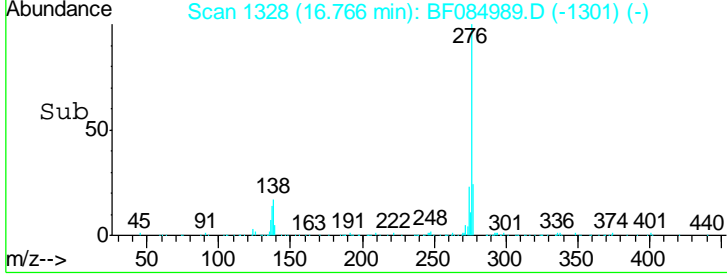
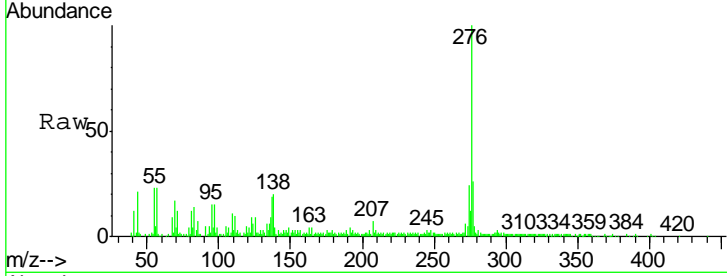
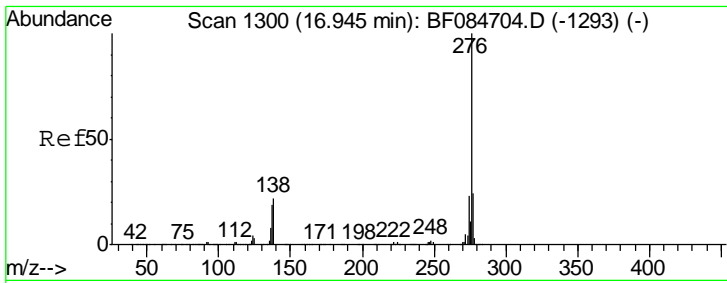
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#90
 Dibenzo(a,h)anthracene
 Concen: 3.58 ng m
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Resp	Lower	Upper
278	100		
139	27.5	15.0	22.4
279	32.4	18.9	28.3





#91
 Benzo(g,h,i)perylene
 Concen: 11.06 ng
 RT: 16.77 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF084989.D
 Acq: 10 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	20.0	17.8	26.6

Instrument :
 BNA_F
 ClientSampled :
 S4-B006(10-12)

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