

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085870.D
 Acq On : 30 Mar 2016 1:13
 Operator : UM/SJ
 Sample : H2023-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Manual Integrations
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 3/30/2016 7:08:34 PM

Quant Time: Mar 30 02:25:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	103445	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	399677	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	141605	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	235866	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	227539	20.00	ng	-0.01
86) Perylene-d12	15.39	264	169739	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	835174	134.46	ng	0.00
7) Phenol-d6	6.46	99	1163947	147.39	ng	0.00
23) Nitrobenzene-d5	7.37	82	600418	84.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	164067	121.95	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	778224	91.82	ng	-0.02
78) Terphenyl-d14	12.92	244	586126	52.98	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	94359	6.59	ng	98
49) Dimethylphthalate	9.57	163	148286	13.80	ng	99
57) Fluorene	10.39	166	22726	2.42	ng	98
70) Phenanthrene	11.35	178	240287	19.84	ng	99
71) Anthracene	11.41	178	86114	6.77	ng	97
72) Carbazole	11.57	167	25552	2.39	ng	99
74) Fluoranthene	12.54	202	487417	37.86	ng	98
77) Pyrene	12.77	202	408437	21.84	ng	100
80) Benzo(a)anthracene	13.96	228	294533m	22.70	ng	
82) Chrysene	13.99	228	202318m	15.48	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	468561	49.96	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.77	276	99971	9.91	ng	# 91
87) Benzo(b)fluoranthene	14.99	252	333773m	31.21	ng	
88) Benzo(k)fluoranthene	15.01	252	46095m	4.78	ng	
89) Benzo(a)pyrene	15.33	252	174111	18.34	ng	# 93
90) Dibenzo(a,h)anthracene	16.78	278	27492	3.12	ng	# 77
91) Benzo(g,h,i)perylene	17.19	276	86511	9.69	ng	96

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

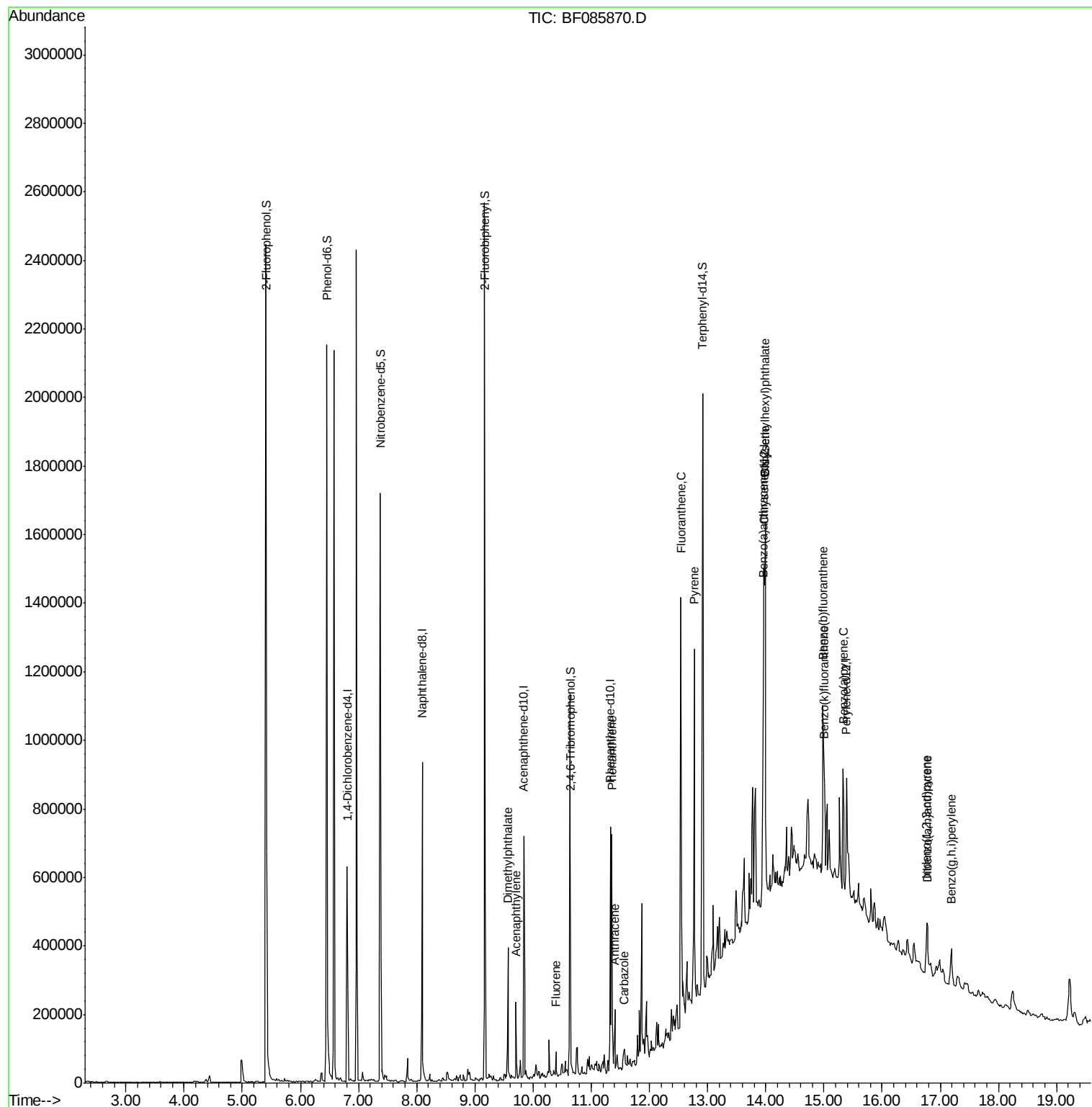
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Instrument :

BNA_F

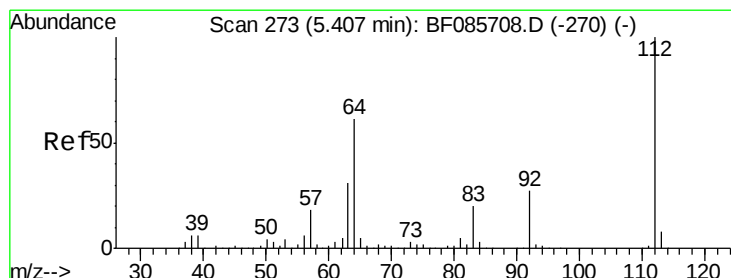
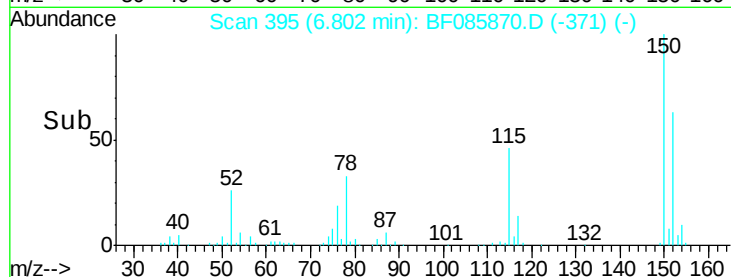
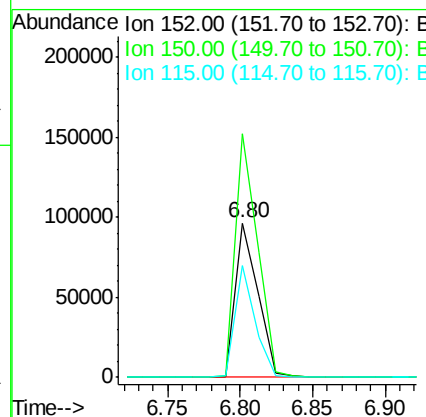
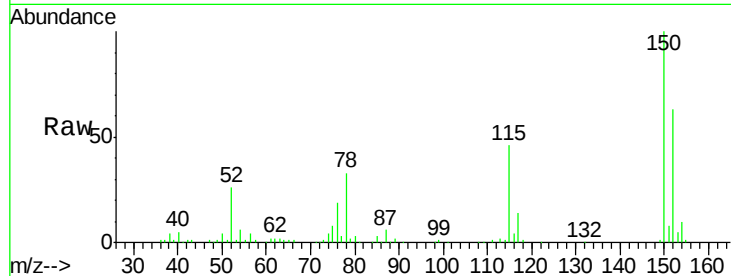
ClientSampled :

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Tgt Ion:	152	Resp:	103445
Ion Ratio	Lower	Upper	
152	100		
150	157.8	124.2	186.2
115	72.0	47.0	70.6#

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#5

2-Fluorophenol

Concen: 134.46 ng

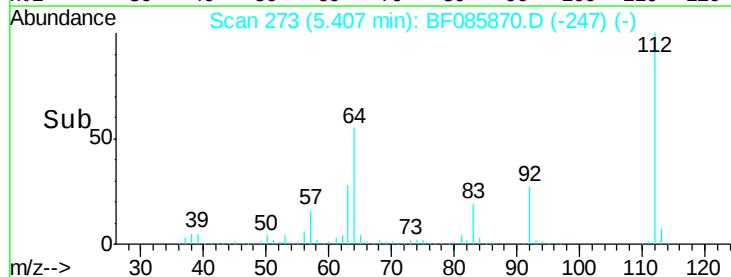
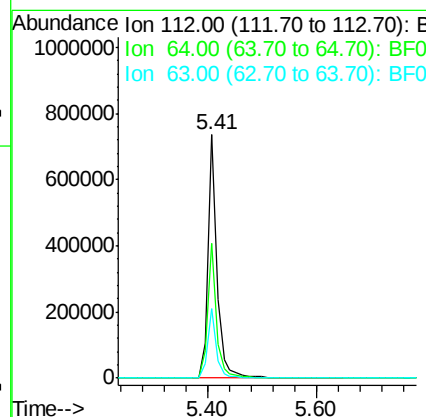
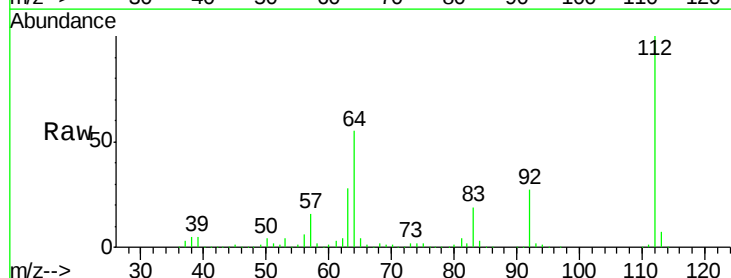
RT: 5.41 min Scan# 273

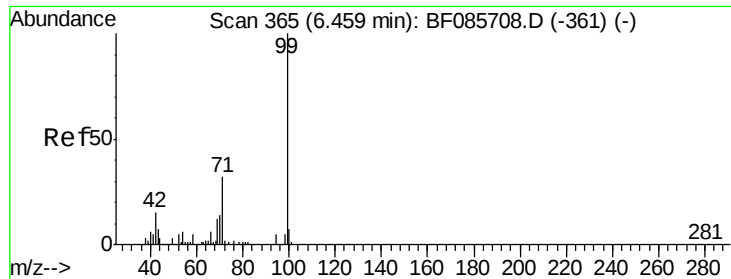
Delta R.T. 0.00 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Tgt Ion:	112	Resp:	835174
Ion Ratio	Lower	Upper	
112	100		
64	55.4	39.9	59.9
63	28.5	20.2	30.2





#7

Phenol-d6

Concen: 147.39 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085870.D

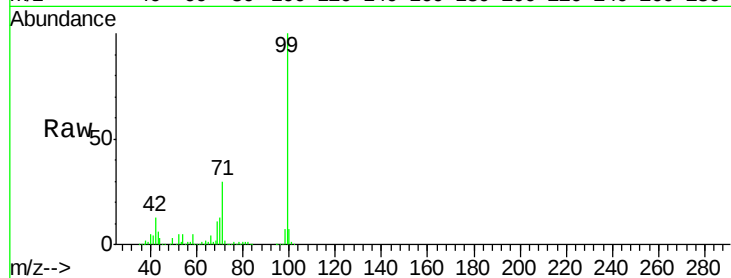
Acq: 30 Mar 2016 1:13

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1163947

Ion Ratio Lower Upper

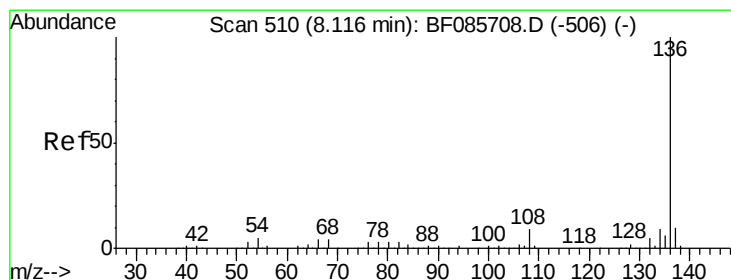
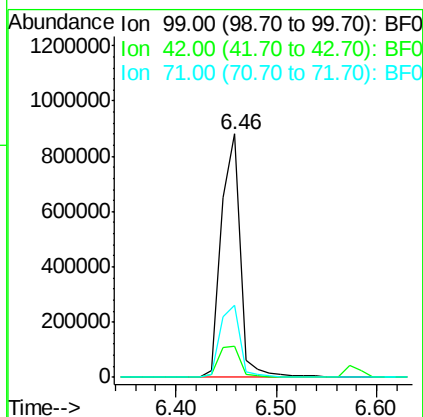
99 100

42 12.7 11.1 16.7

71 29.7 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Tgt Ion: 136 Resp: 399677

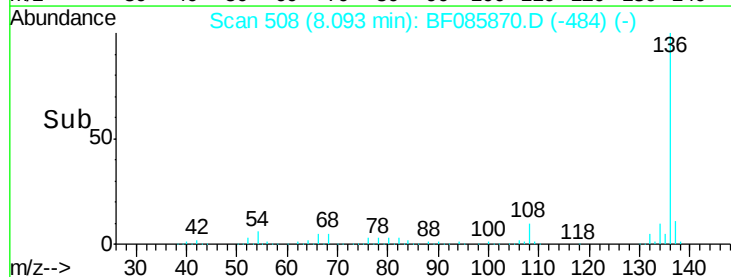
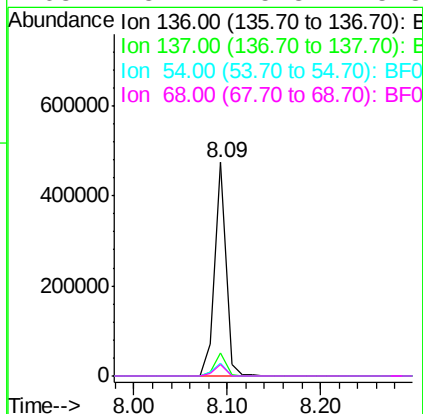
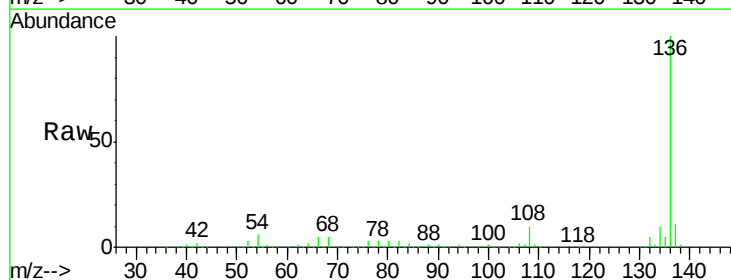
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.2 7.4 11.0#

68 5.2 5.8 8.8#





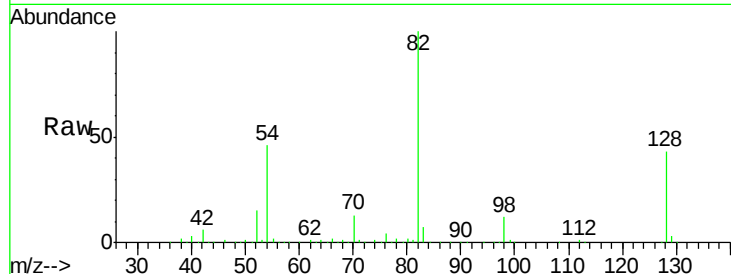
#23
Nitrobenzene-d5
Concen: 84.60 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Instrument :
BNA_F
ClientSampleId :
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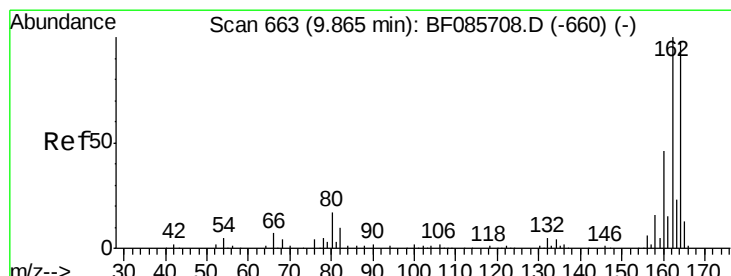
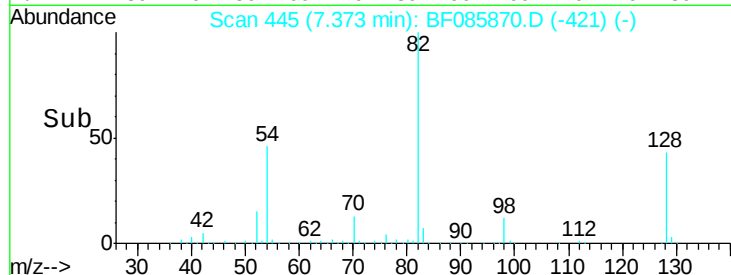
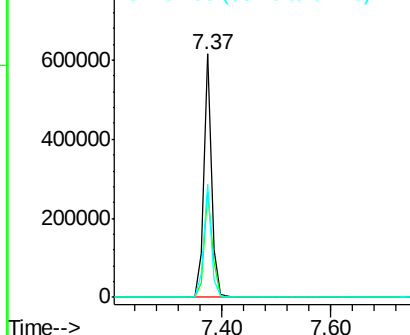
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.4	41.8	62.8
54	46.5	33.4	50.0

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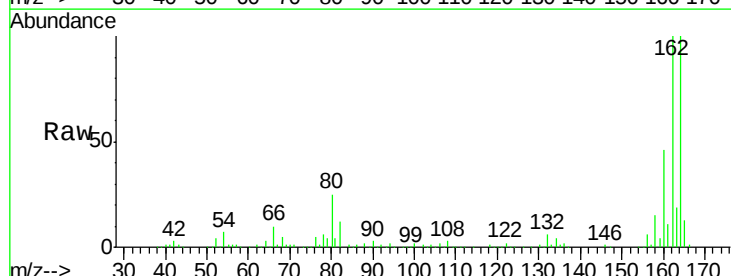


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

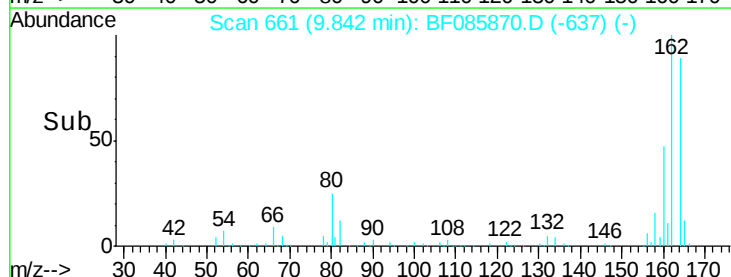
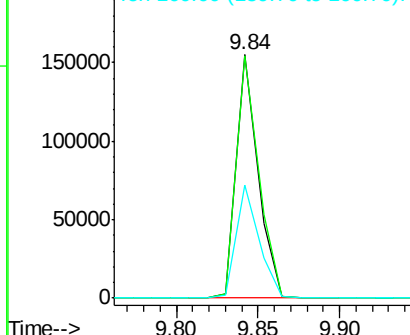


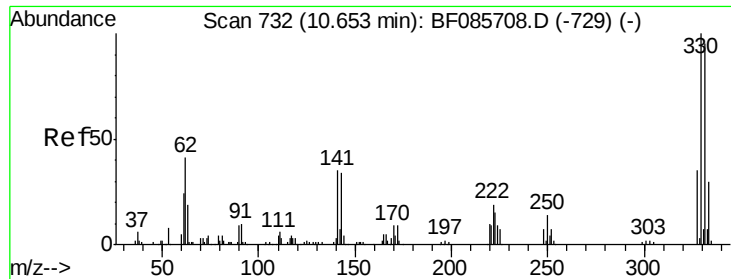
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.1	123.1
160	46.4	37.4	56.2



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





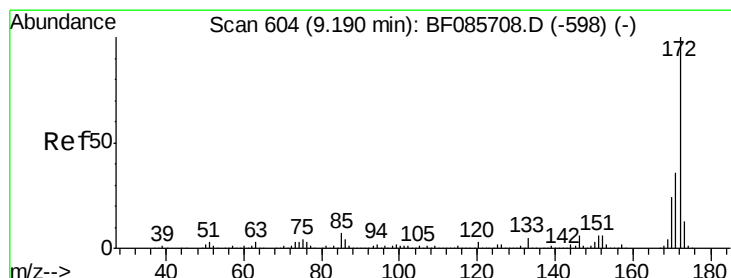
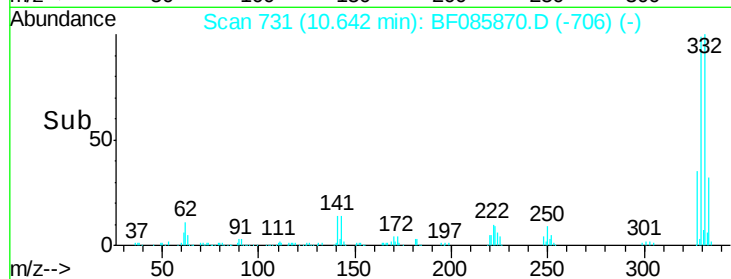
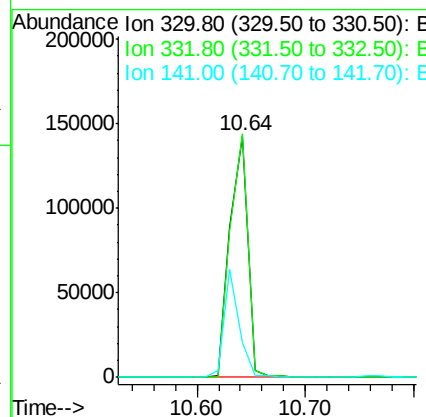
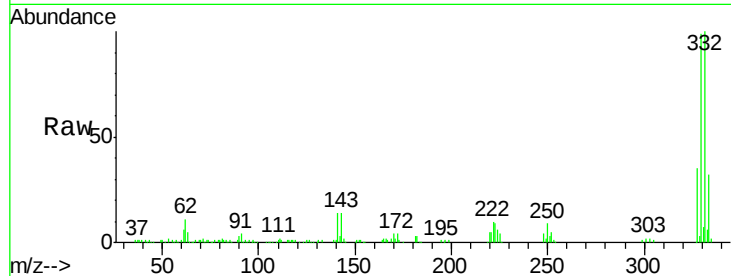
#41
 2,4,6-Tribromophenol
 Concen: 121.95 ng
 RT: 10.64 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF085870.D
 Acq: 30 Mar 2016 1:13

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	164067		
332	99.4	78.2	117.2	
141	38.4	31.5	47.3	

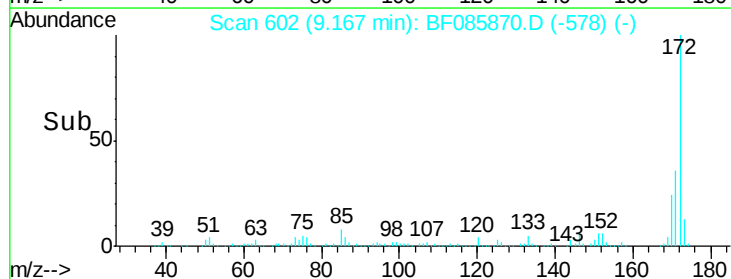
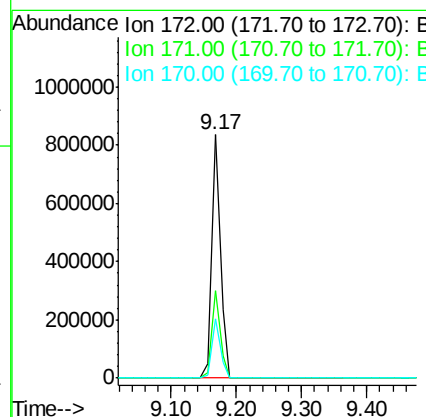
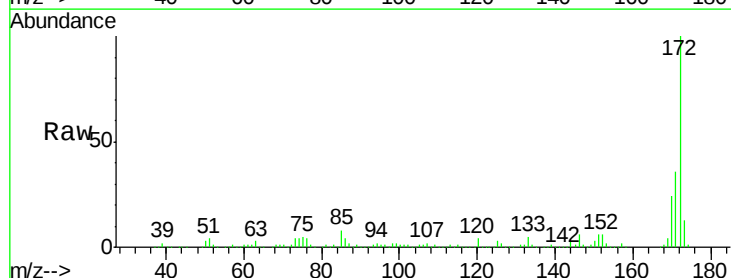
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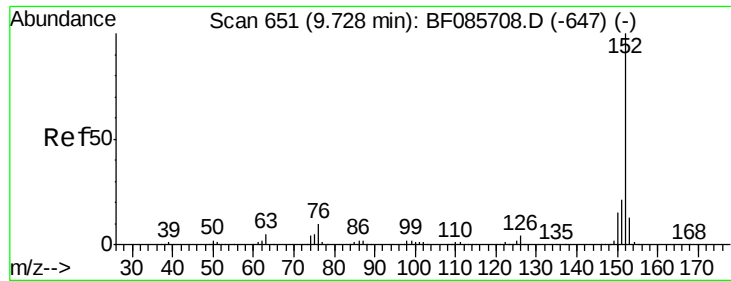
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#44
 2-Fluorobiphenyl
 Concen: 91.82 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085870.D
 Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	778224		
171	35.9	29.4	44.2	
170	24.2	19.8	29.6	





#48

Acenaphthylene

Concen: 6.59 ng

RT: 9.70 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Instrument :

BNA_F

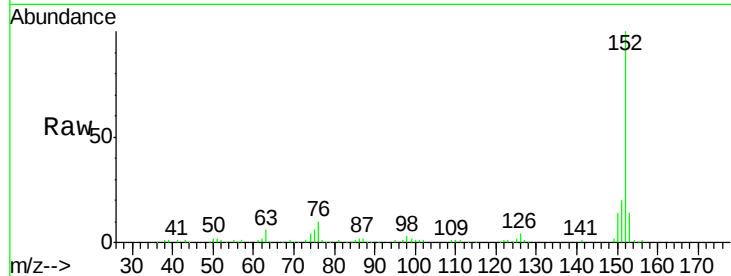
ClientSampleId :

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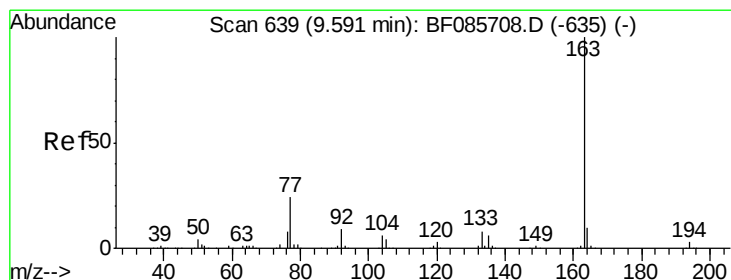
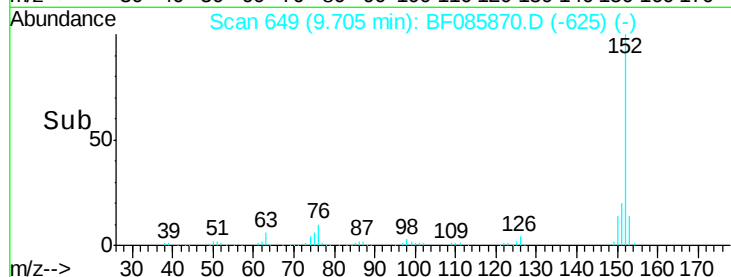
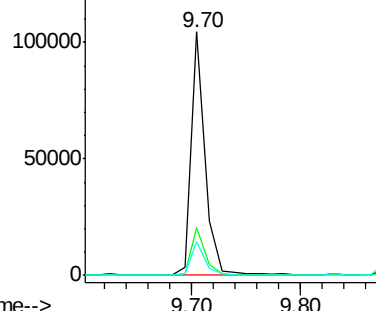
Tgt Ion:	152	Resp:	94359
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.8	25.2
153	13.8	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.80 ng

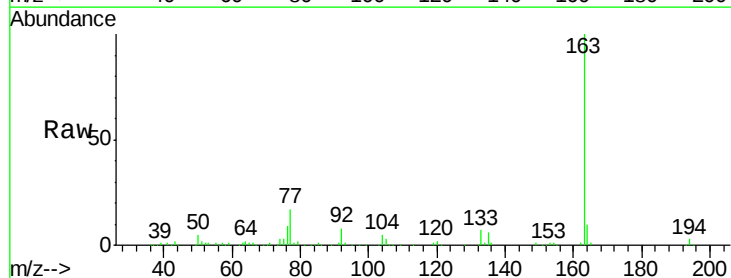
RT: 9.57 min Scan# 637

Delta R.T. -0.02 min

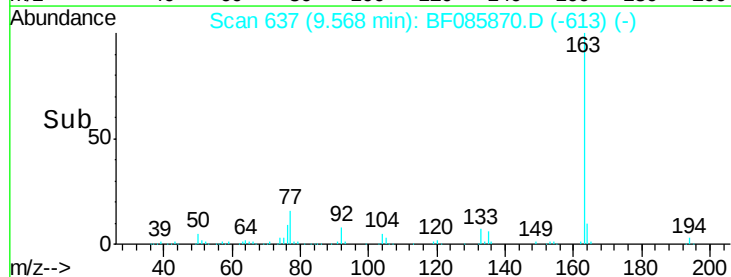
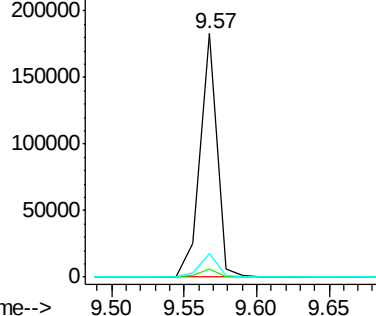
Lab File: BF085870.D

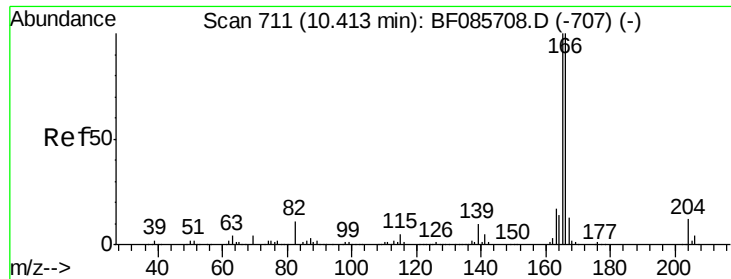
Acq: 30 Mar 2016 1:13

Tgt Ion:	163	Resp:	148286
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.9	4.3
164	9.9	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





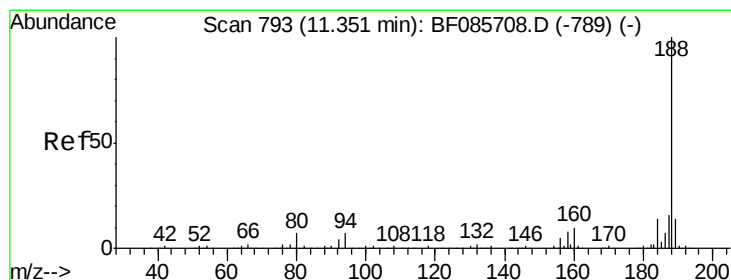
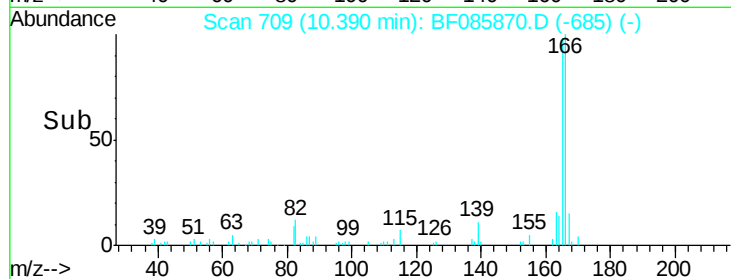
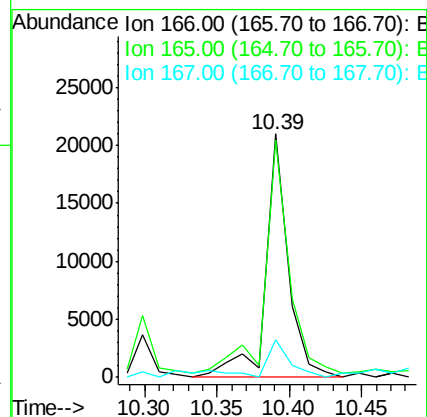
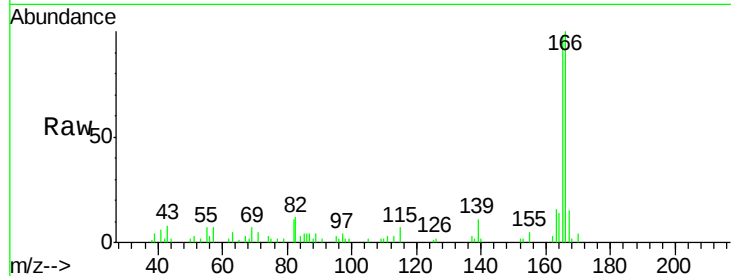
#57
Fluorene
 Concen: 2.42 ng
 RT: 10.39 min Scan# 709
 Delta R.T. -0.02 min
 Lab File: BF085870.D
 Acq: 30 Mar 2016 1:13

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 ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.4	119.0
167	15.2	11.0	16.4

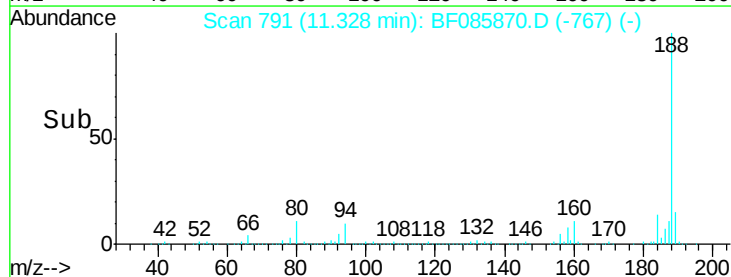
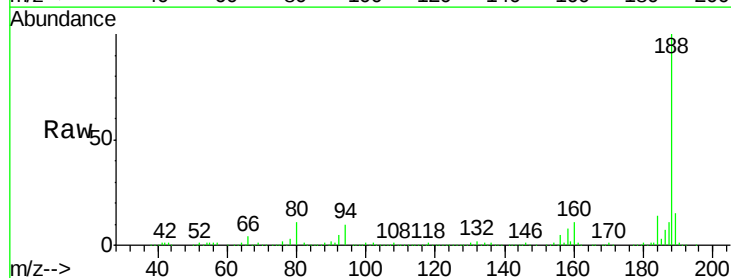
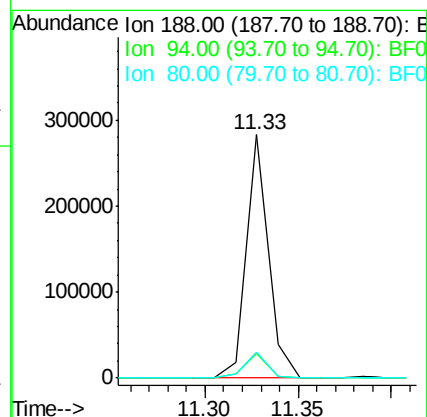
Manual Integrations
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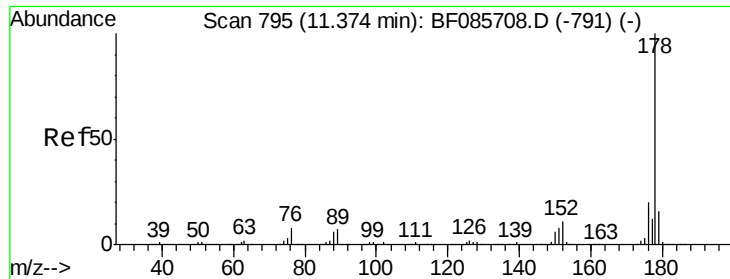
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 791
 Delta R.T. -0.02 min
 Lab File: BF085870.D
 Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	5.4	8.0#
80	10.7	5.5	8.3#





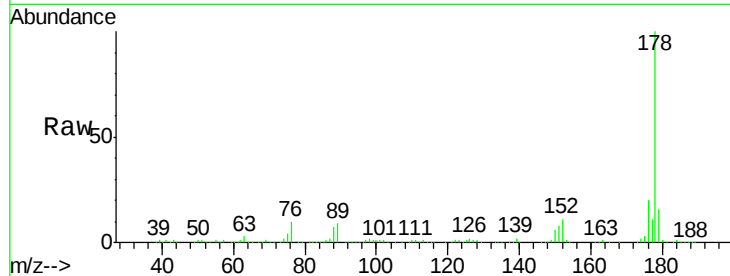
#70
Phenanthrene
Concen: 19.84 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.02 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Instrument :
BNA_F
ClientSampleId :
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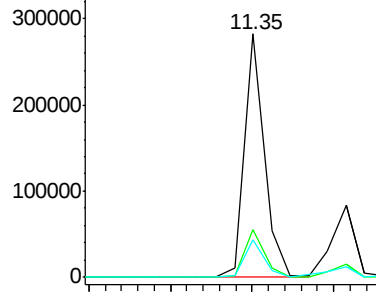
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	240287		
176	19.7	16.3	24.5	
179	15.7	12.6	18.8	

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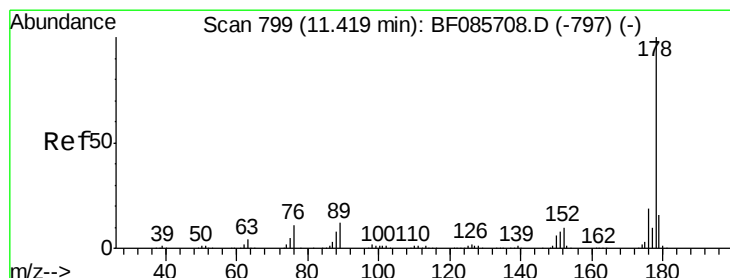
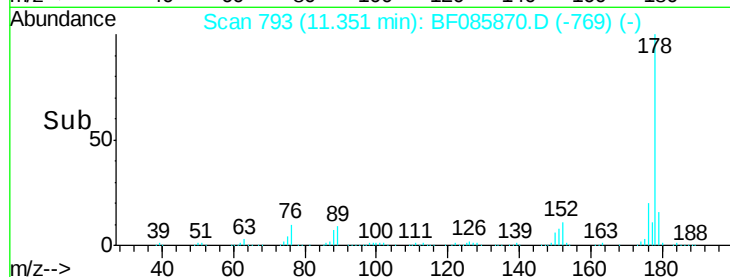
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



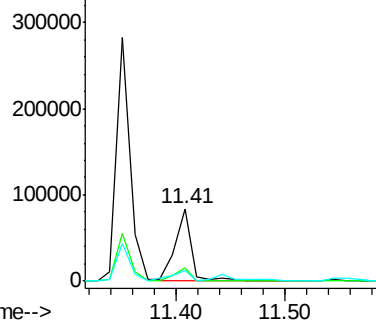
Time--> 11.25 11.30 11.35 11.40



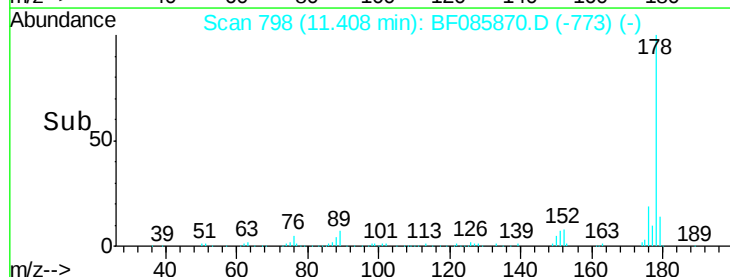
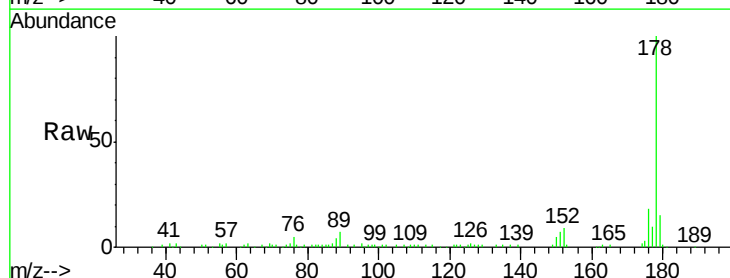
#71
Anthracene
Concen: 6.77 ng
RT: 11.41 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

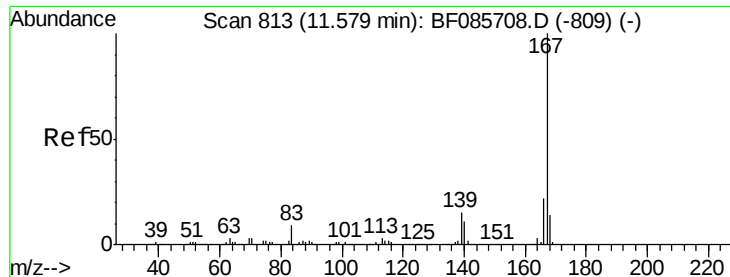
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	86114		
176	18.5	15.9	23.9	
179	14.9	13.0	19.4	

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.40 11.50





#72

Carbazole

Concen: 2.39 ng

RT: 11.57 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Instrument :

BNA_F

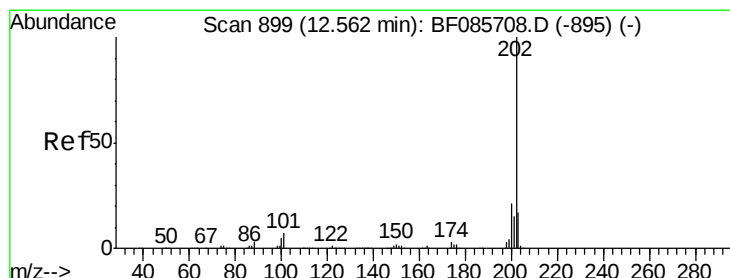
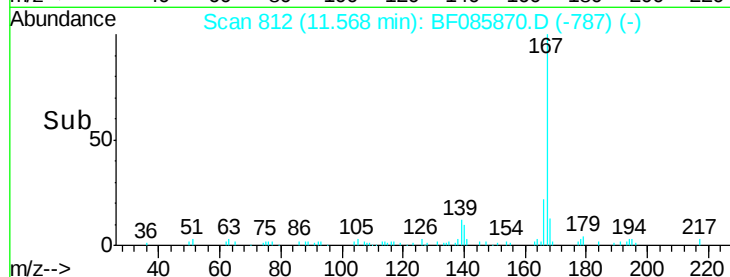
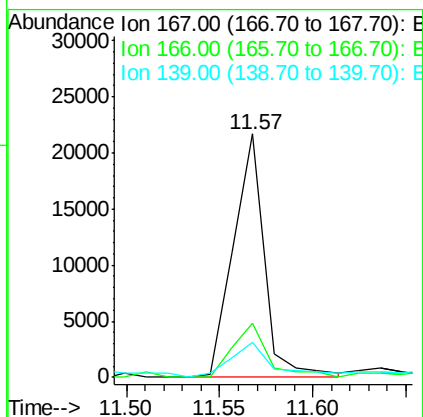
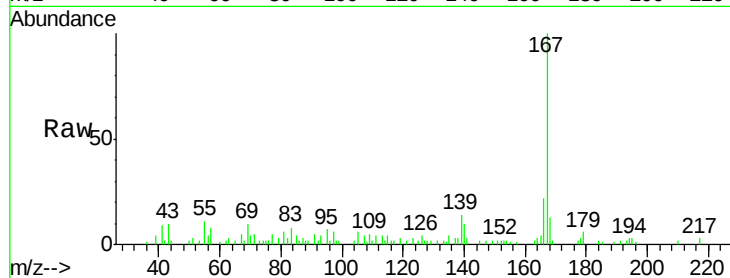
ClientSampleId :

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Tgt Ion:	167	Resp:	25552
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.8	26.8
139	14.2	11.6	17.4

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#74

Fluoranthene

Concen: 37.86 ng

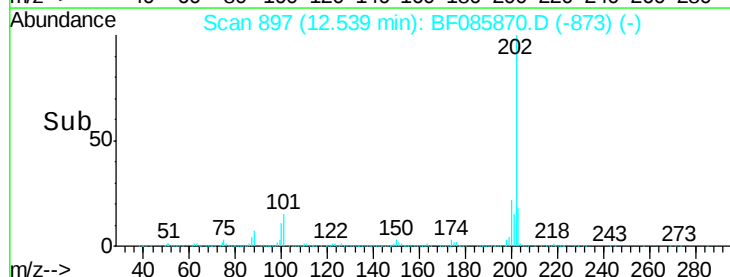
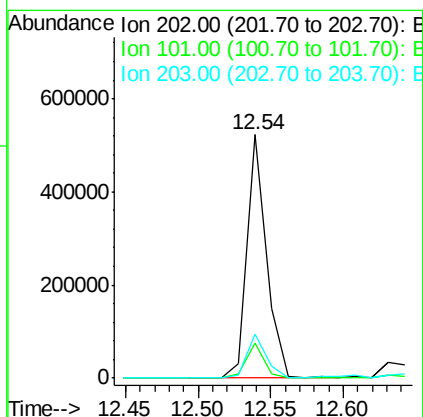
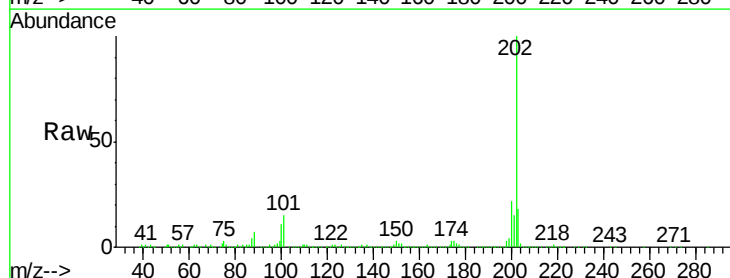
RT: 12.54 min Scan# 897

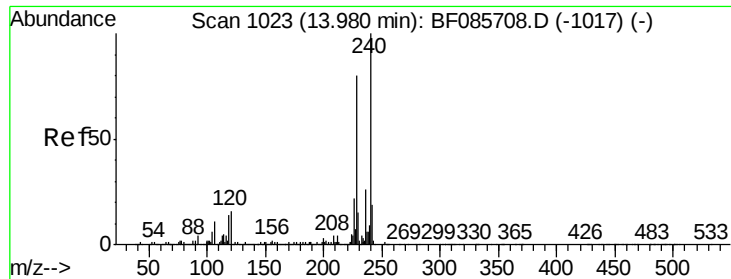
Delta R.T. -0.02 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Tgt Ion:	202	Resp:	487417
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	36.6
203	18.1	0.0	38.1





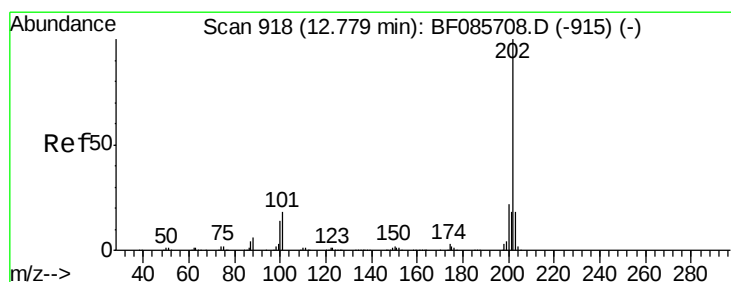
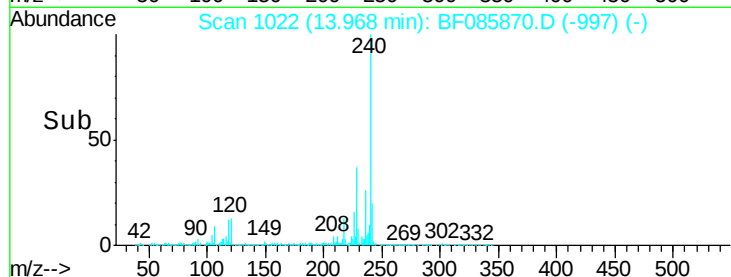
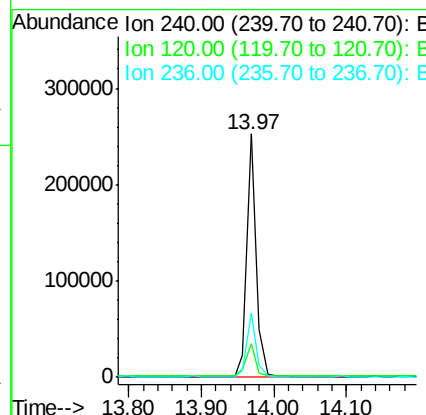
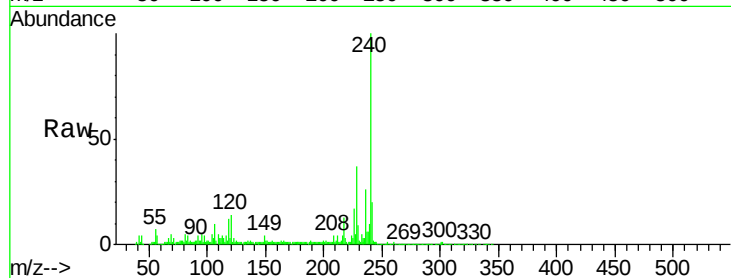
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Instrument :
BNA_F
ClientSampleId :
B-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.0	13.8	20.8
236	26.4	20.6	30.8

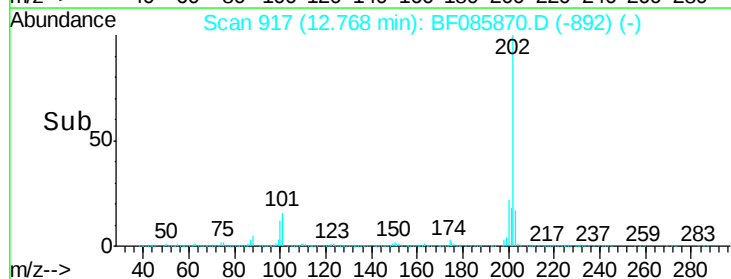
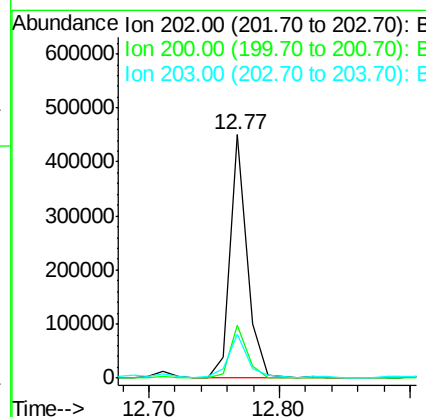
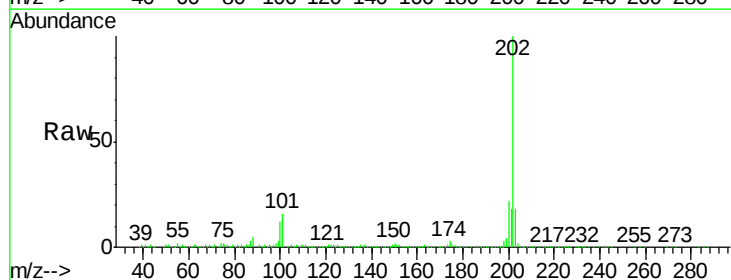
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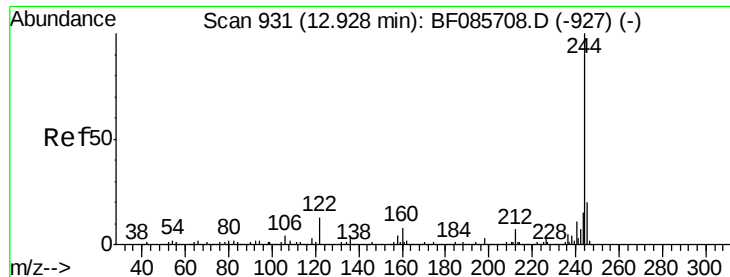
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#77
Pyrene
Concen: 21.84 ng
RT: 12.77 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.9	17.6	26.4
203	17.8	14.0	21.0





#78

Terphenyl-d14

Concen: 52.98 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Instrument :

BNA_F

ClientSampleId :

B-3

Tgt Ion:244 Resp: 586126
Ion Ratio Lower Upper

244 100

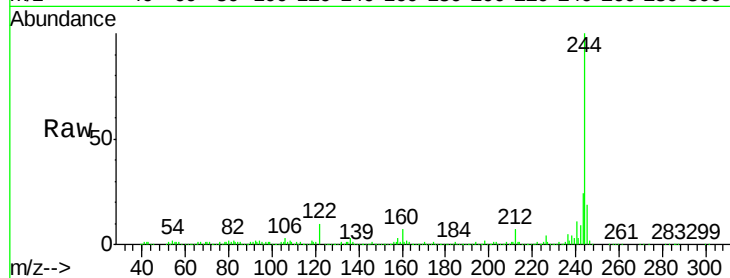
212 7.0 6.1 9.1

122 10.2 10.2 15.4#

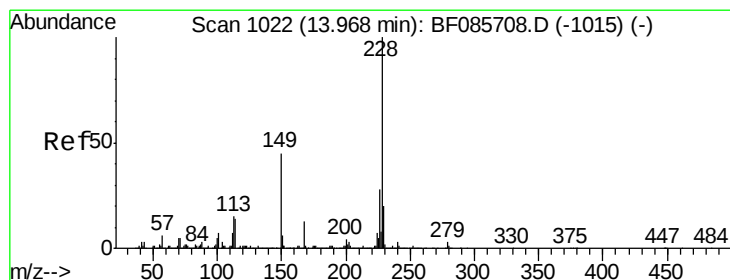
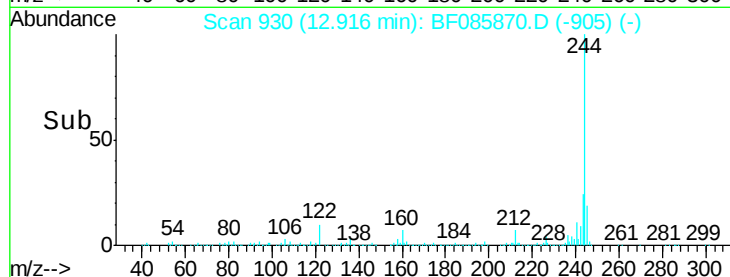
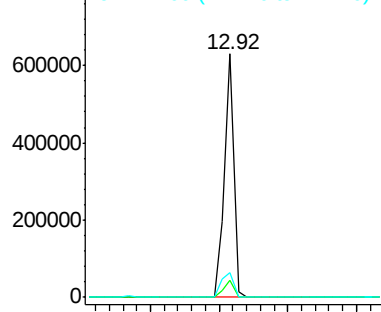
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 22.70 ng m

RT: 13.96 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF085870.D

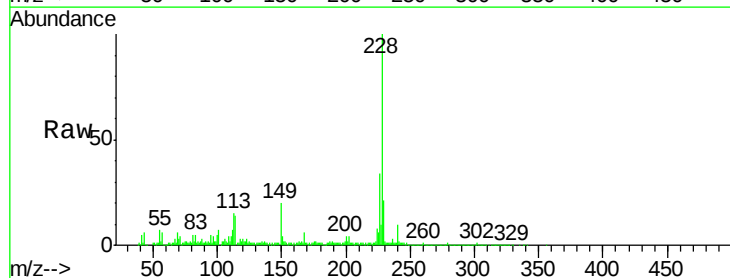
Acq: 30 Mar 2016 1:13

Tgt Ion:228 Resp: 294533
Ion Ratio Lower Upper

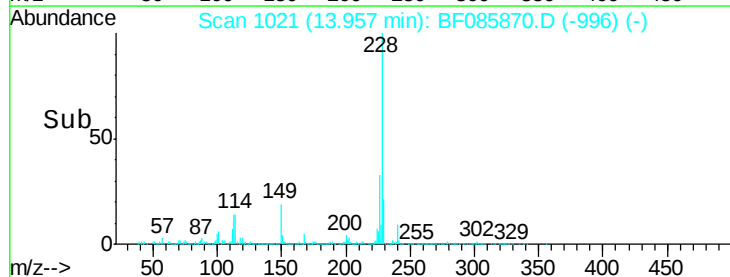
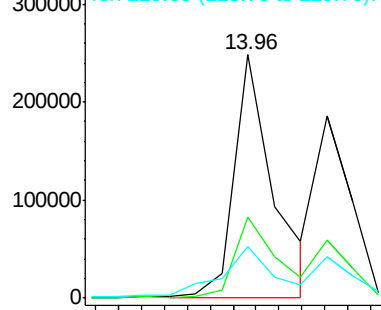
228 100

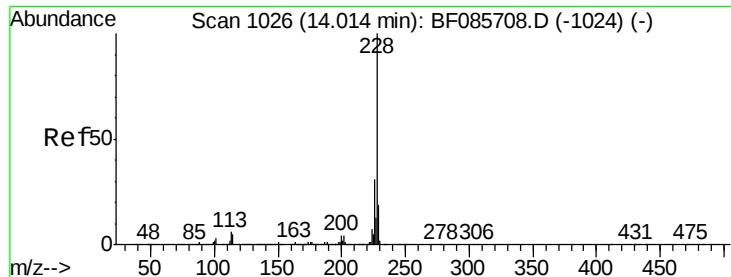
226 33.5 22.1 33.1#

229 21.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.48 ng m

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Instrument :

BNA_F

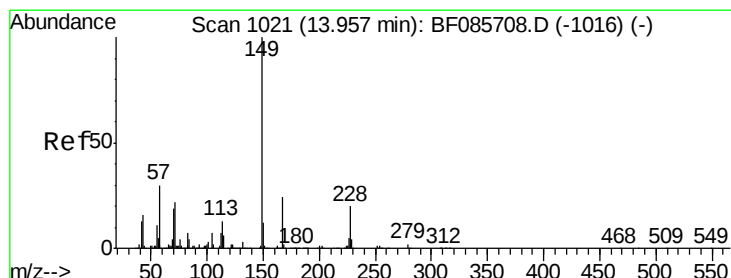
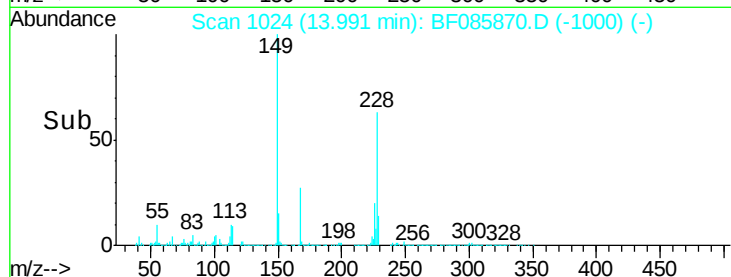
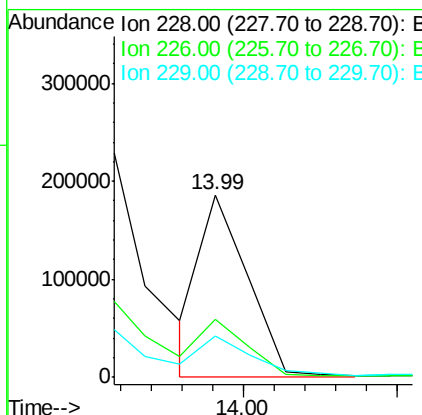
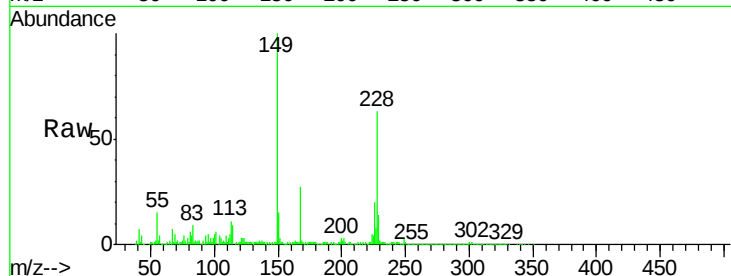
ClientSampleId :

B-3

Tgt Ion:	228	Resp:	202318
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	22.9	15.7	23.5

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#83

Bis(2-ethylhexyl)phthalate

Concen: 49.96 ng

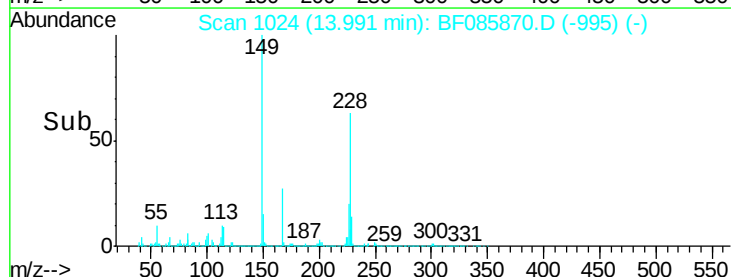
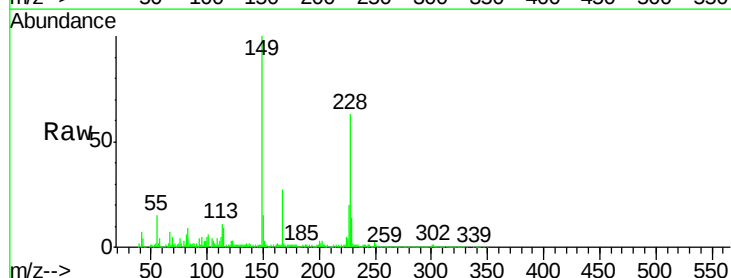
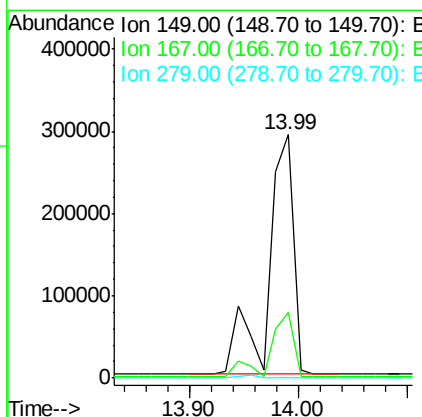
RT: 13.99 min Scan# 1024

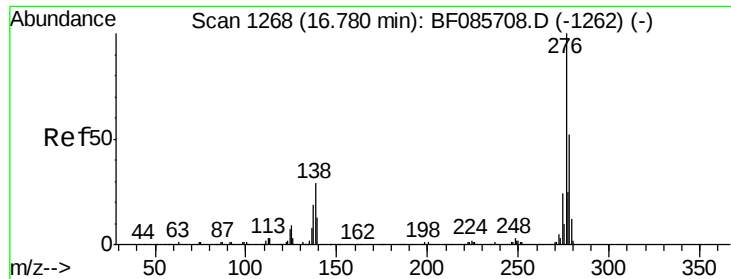
Delta R.T. 0.03 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Tgt Ion:	149	Resp:	468561
Ion Ratio	Lower	Upper	
149	100		
167	27.0	19.4	29.2
279	0.2	1.5	2.3#





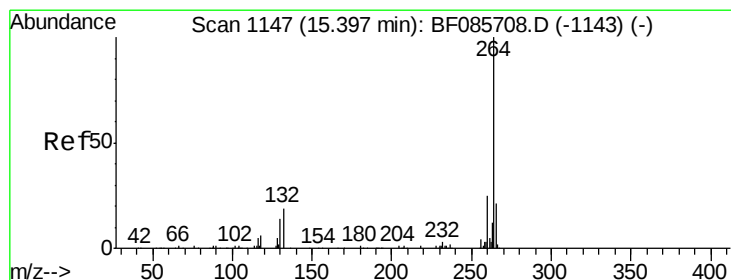
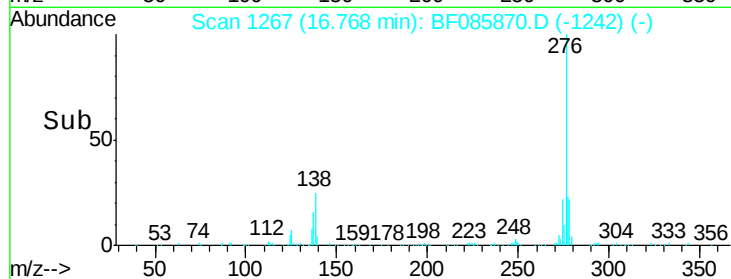
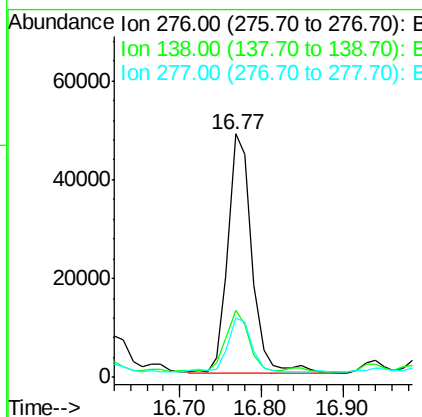
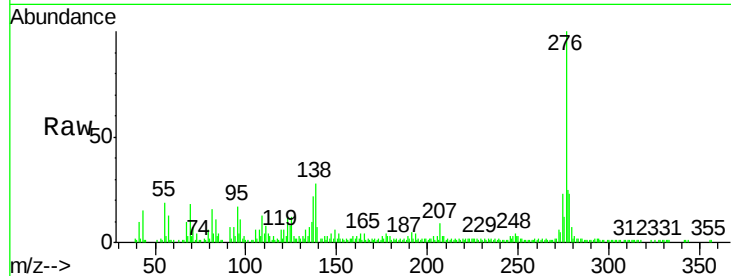
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.91 ng
 RT: 16.77 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF085870.D
 Acq: 30 Mar 2016 1:13

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	24.2	36.4#
277	22.5	20.0	30.0

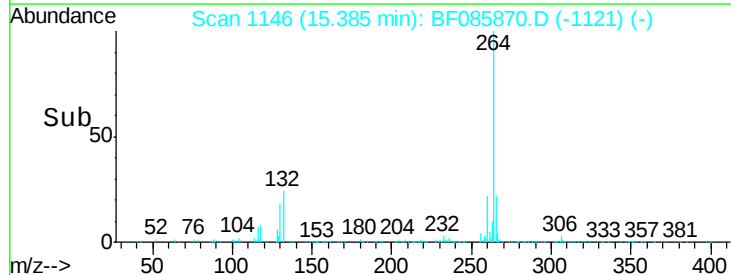
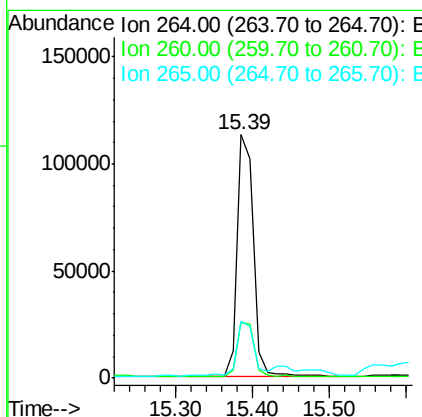
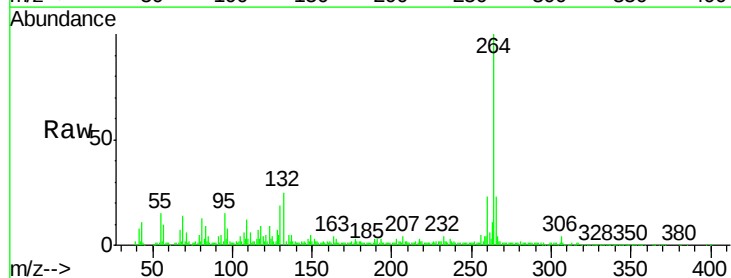
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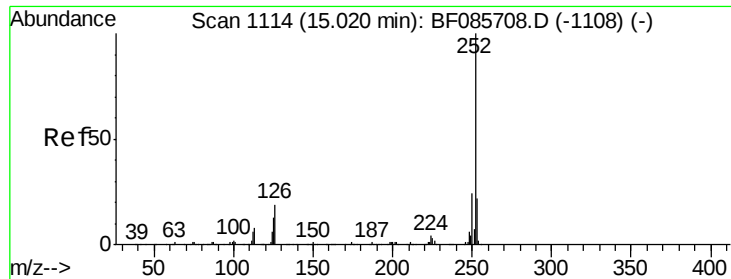
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF085870.D
 Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	23.2	17.2	25.8





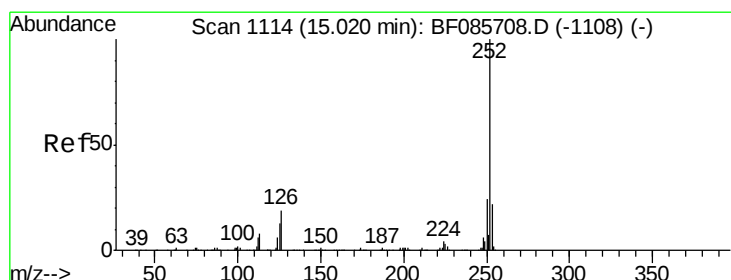
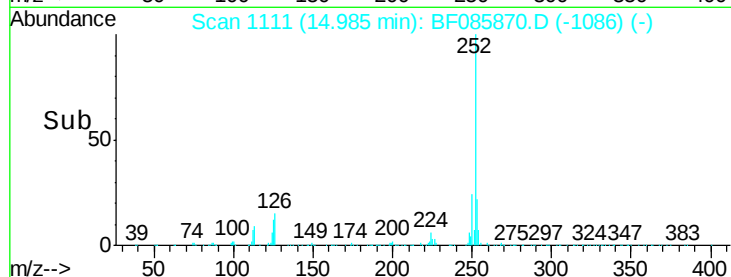
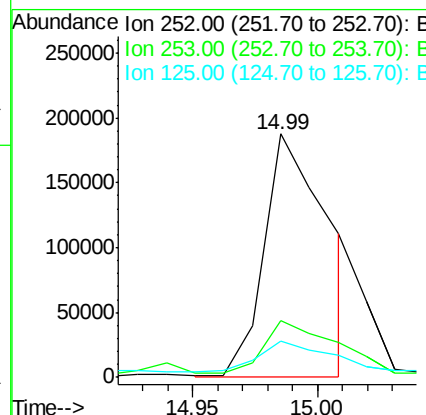
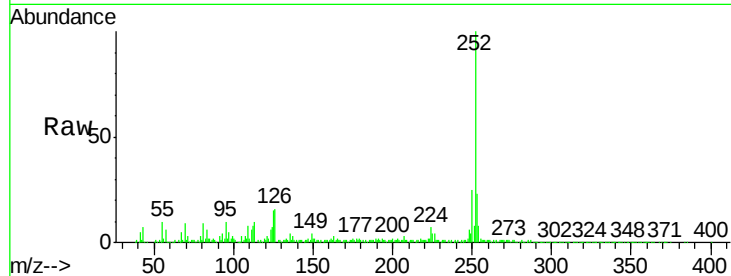
#87
Benzo(b)fluoranthene
Concen: 31.21 ng m
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Instrument :
BNA_F
ClientSampled :
B-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	14.9	10.3	15.5

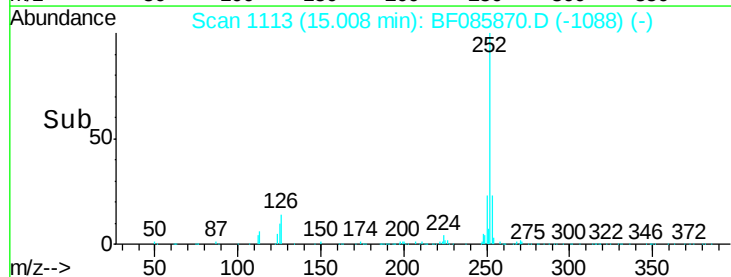
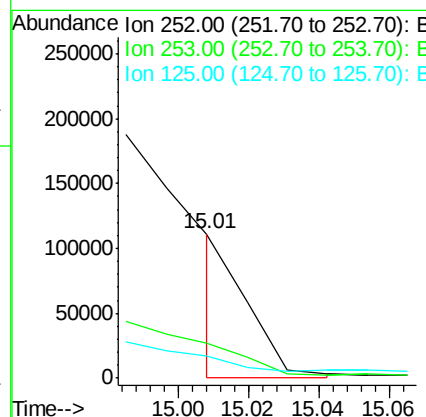
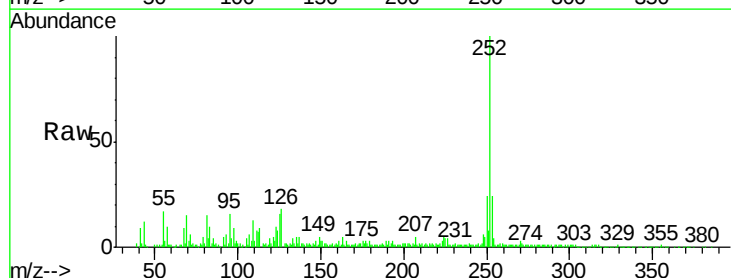
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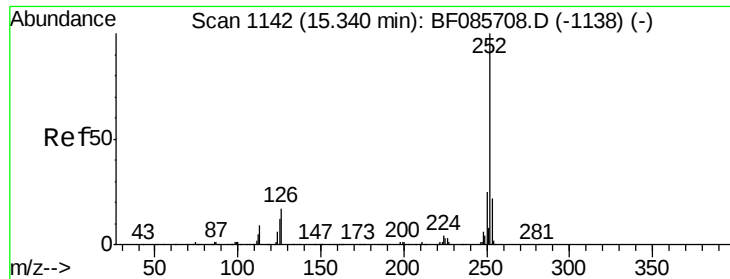
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#88
Benzo(k)fluoranthene
Concen: 4.78 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	15.6	7.7	11.5#





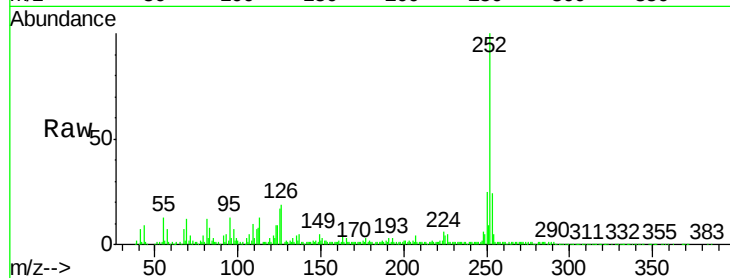
#89
Benzo(a)pyrene
Concen: 18.34 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Instrument :
BNA_F
ClientSampleId :
B-3

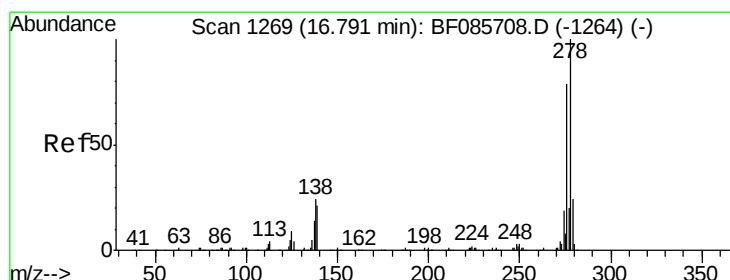
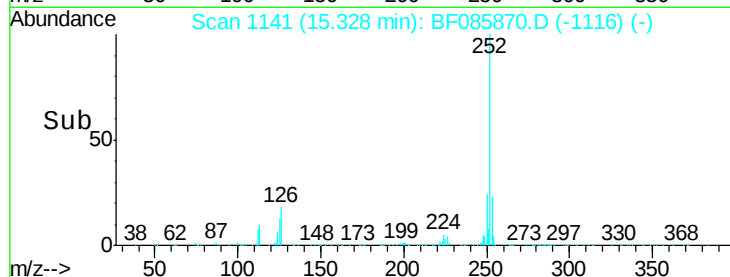
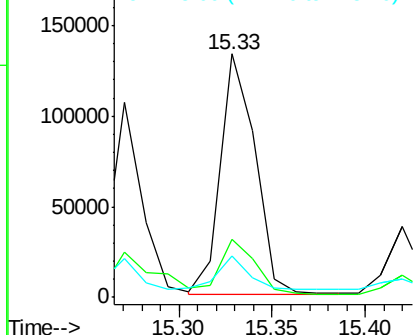
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.0	17.4	26.0
125	16.9	10.3	15.5#

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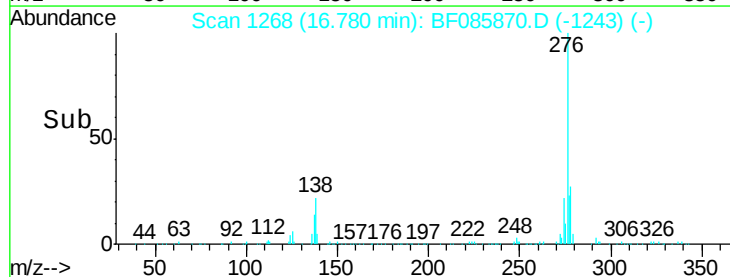
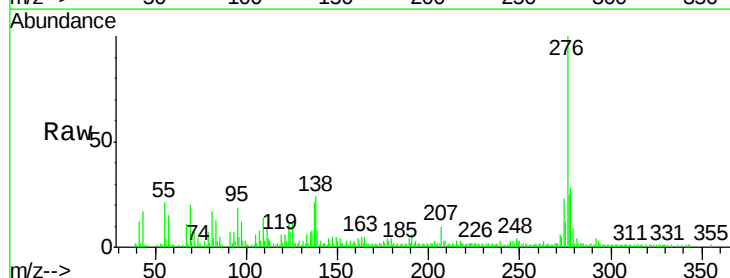
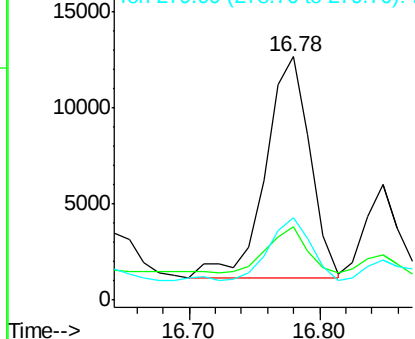
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

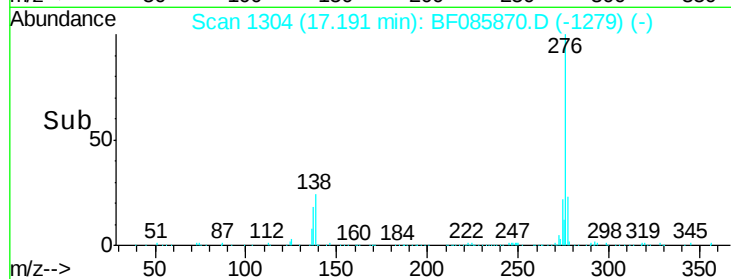
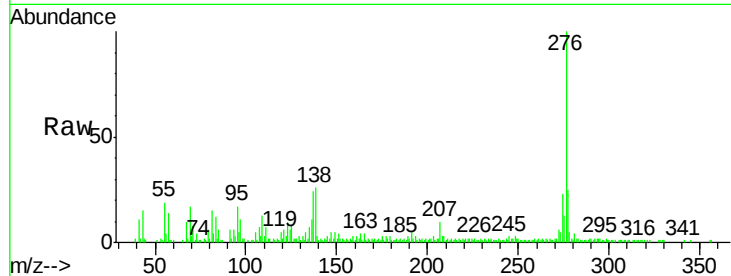
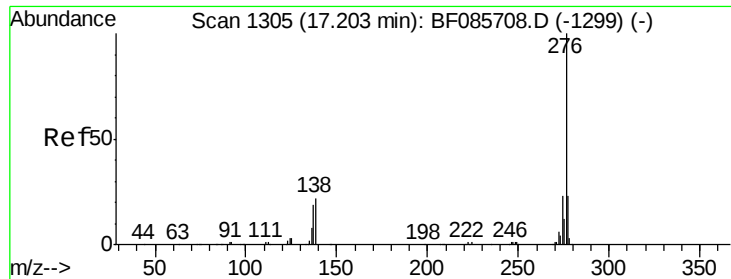


#90
Dibenzo(a,h)anthracene
Concen: 3.12 ng
RT: 16.78 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF085870.D
Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	30.1	14.4	21.6#
279	33.6	19.1	28.7#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 9.69 ng

RT: 17.19 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF085870.D

Acq: 30 Mar 2016 1:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	25.6	22.6	34.0

Instrument :

BNA_F

ClientSampleId :

B-3

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