

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086504.D
 Acq On : 29 Apr 2016 20:55
 Operator : UM/SJ
 Sample : H2757-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3(2-4)

Manual Integrations
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Quant Time: Apr 30 01:47:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	149205	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	631289	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	251708	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	405864	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	291248	20.00	ng	-0.03
86) Perylene-d12	15.33	264	260620	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	620721	71.76	ng	-0.02
7) Phenol-d6	6.42	99	925018	76.62	ng	-0.02
23) Nitrobenzene-d5	7.34	82	561015	47.90	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	150396	56.66	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	856738	54.39	ng	-0.03
78) Terphenyl-d14	12.88	244	548861	41.52	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	144560	7.63	ng	98
51) Acenaphthene	9.85	154	80798	5.03	ng	97
54) Dibenzofuran	10.02	168	55084	2.74	ng	# 97
57) Fluorene	10.36	166	73001	4.19	ng	99
70) Phenanthrene	11.32	178	1082306	50.81	ng	99
71) Anthracene	11.37	178	311695	13.71	ng	98
72) Carbazole	11.53	167	87023	4.32	ng	98
74) Fluoranthene	12.51	202	1298652	60.40	ng	97
77) Pyrene	12.74	202	1199236	57.14	ng	100
80) Benzo(a)anthracene	13.92	228	579183	37.30	ng	99
82) Chrysene	13.95	228	445954m	26.42	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	210104	16.80	ng	93
87) Benzo(b)fluoranthene	14.93	252	469813m	30.64	ng	
88) Benzo(k)fluoranthene	14.95	252	244501m	15.29	ng	
89) Benzo(a)pyrene	15.28	252	389252	26.89	ng	97
91) Benzo(g,h,i)perylene	17.07	276	193088	16.27	ng	94

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

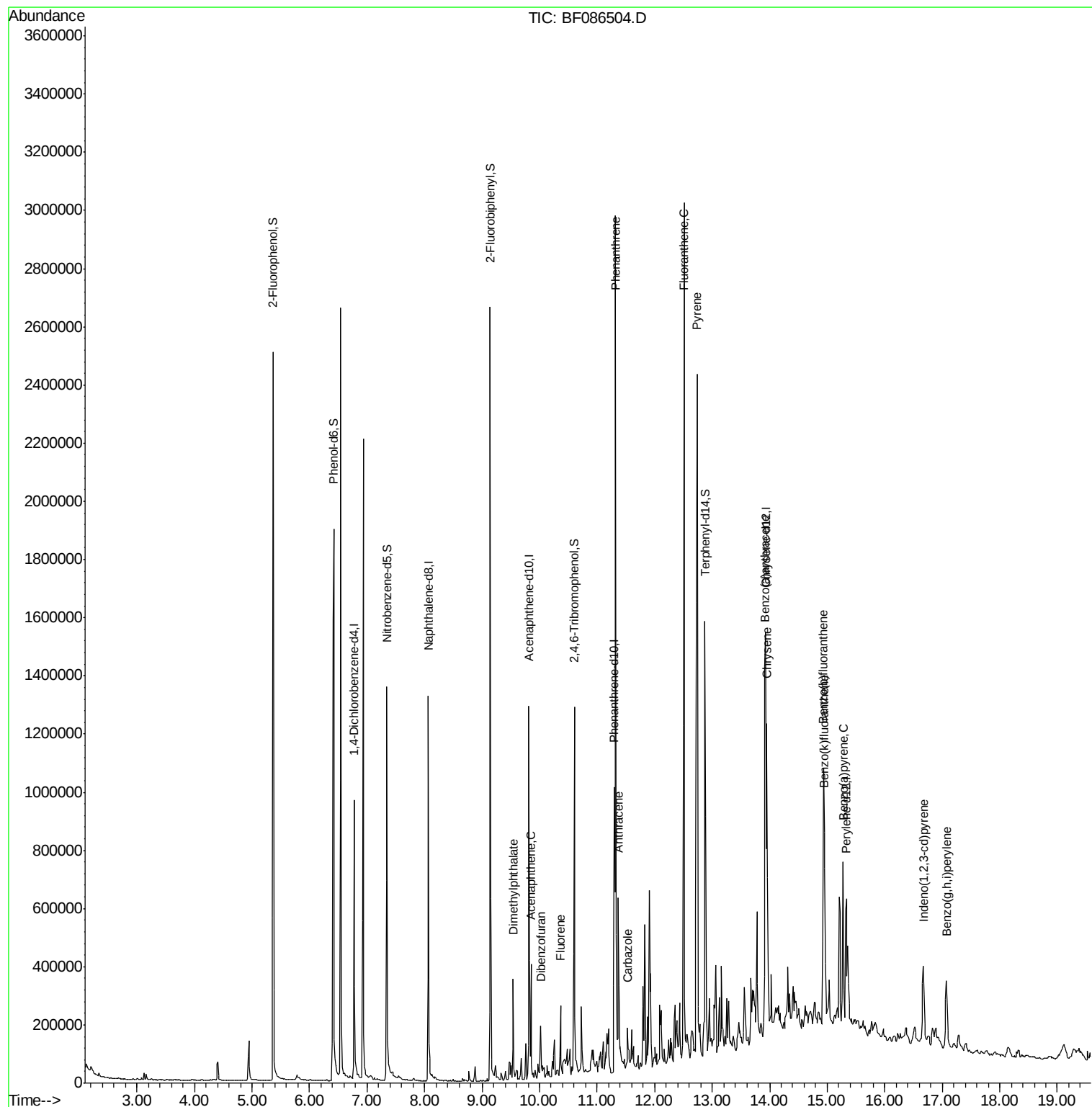
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086504.D
Acq On : 29 Apr 2016 20:55
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ALS Vial : 13 Sample Multiplier: 1

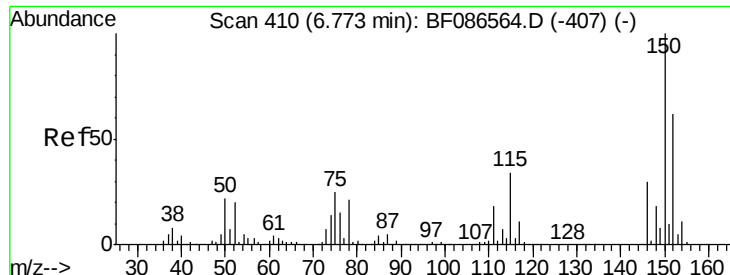
Instrument :
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Quant Time: Apr 30 01:47:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

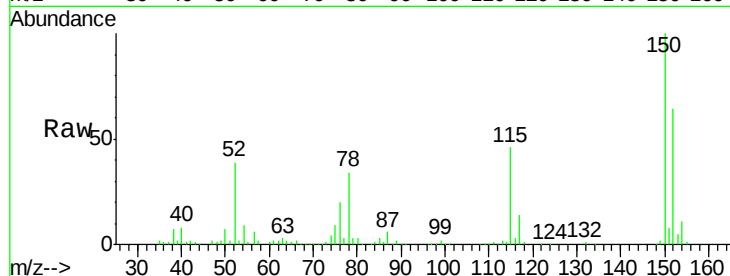
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Instrument :
BNA_F
ClientSampleId :
B3(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.8	188.6
115	71.0	51.5	77.3

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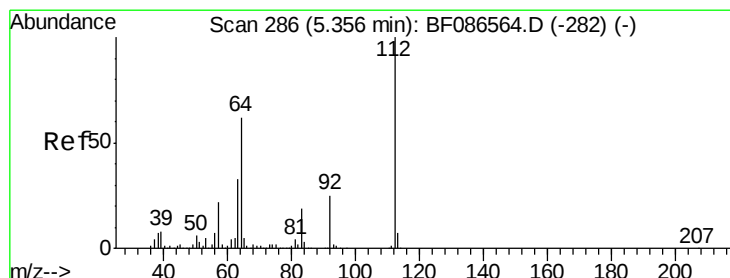
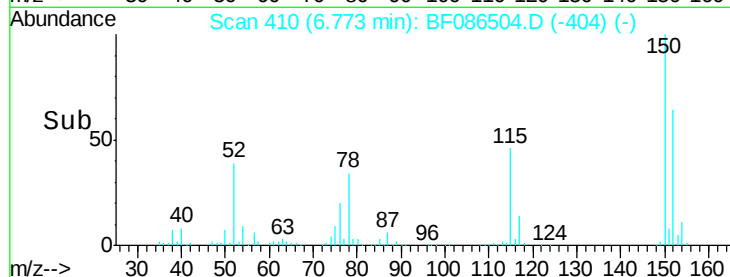
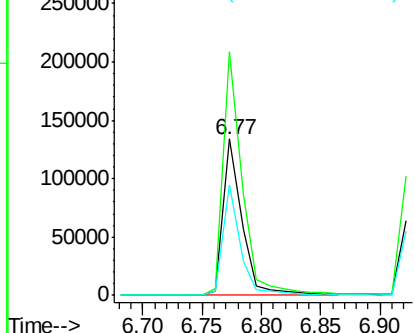


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

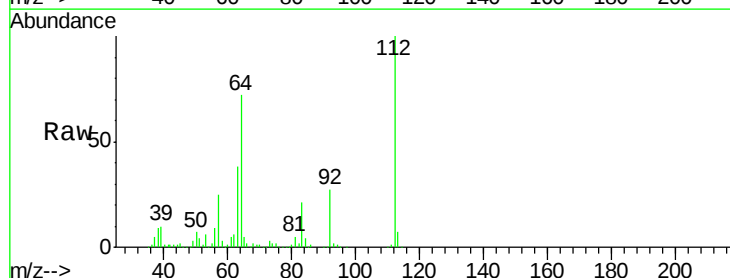
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 71.76 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.02 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	52.1	78.1
63	37.8	25.7	38.5

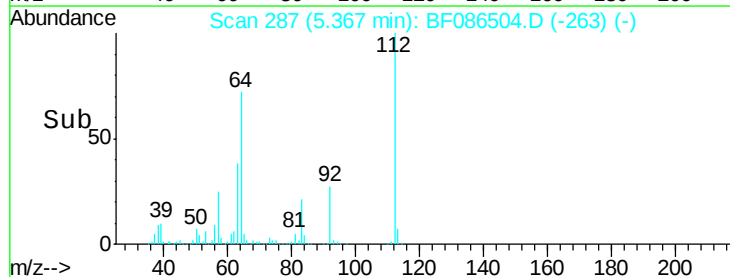
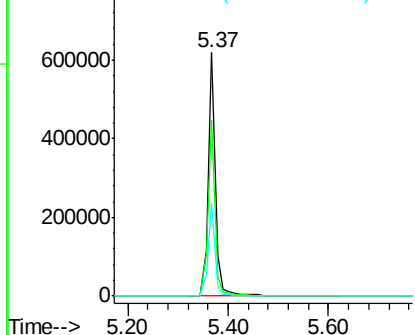


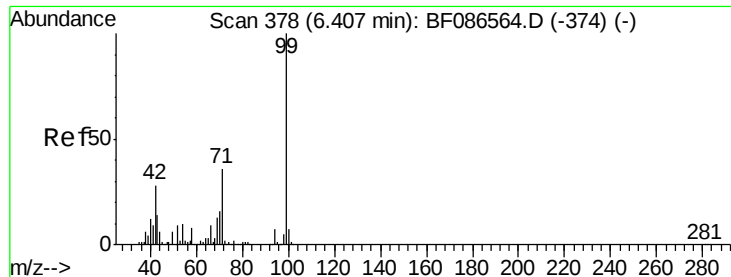
Abundance

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: 76.62 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Instrument :

BNA_F

ClientSampleId :

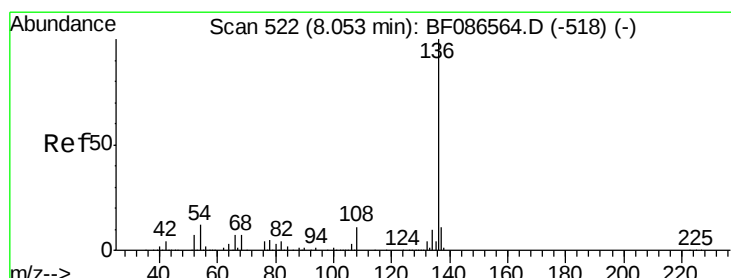
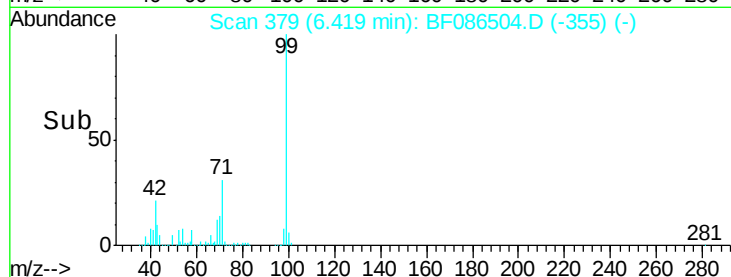
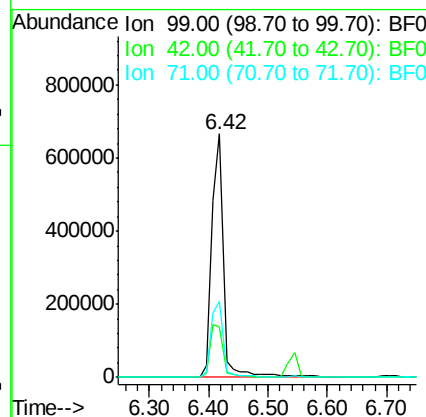
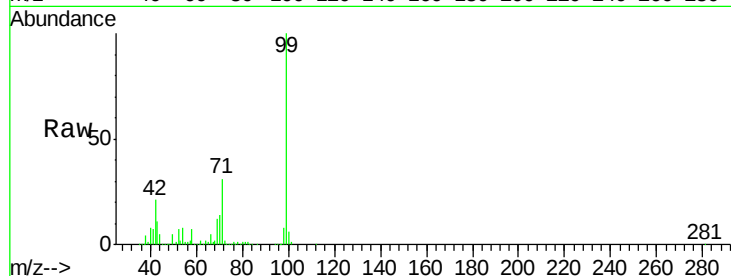
B3(2-4)

Tot Ion: 99 Resp: 925018

Ion	Ratio	Lower	Upper
99	100		
42	20.9	13.6	20.4#
71	31.1	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

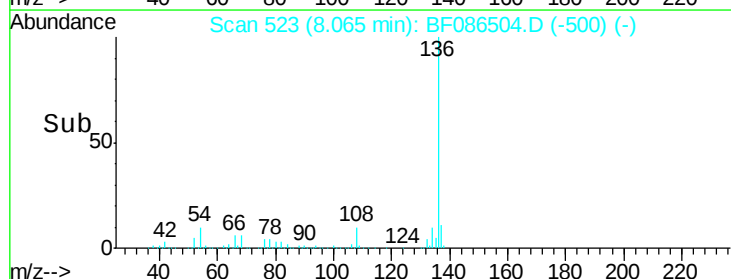
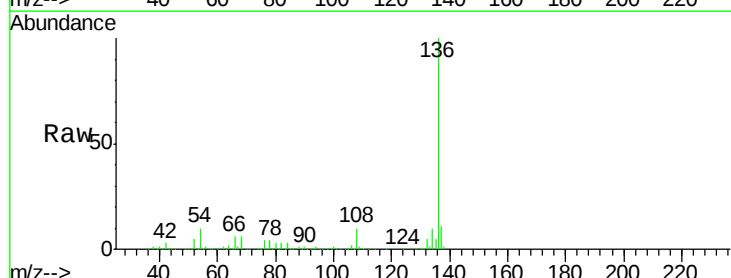
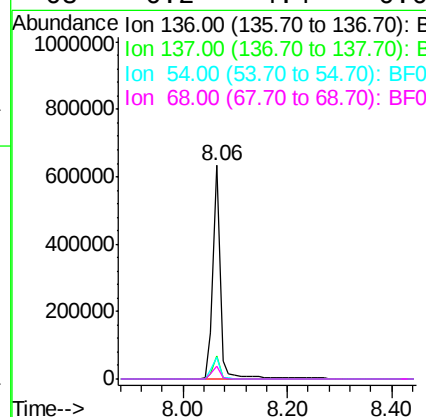
Delta R.T. -0.03 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Tgt Ion: 136 Resp: 631289

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.4	5.0	7.4#
68	6.2	4.4	6.6





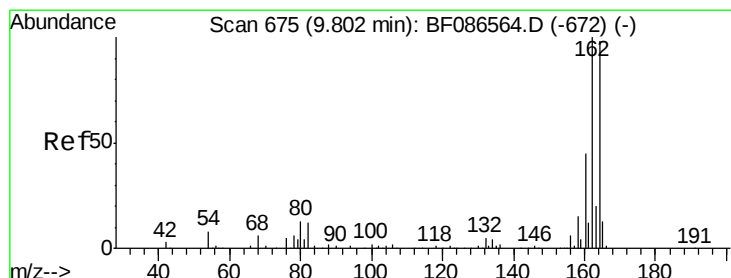
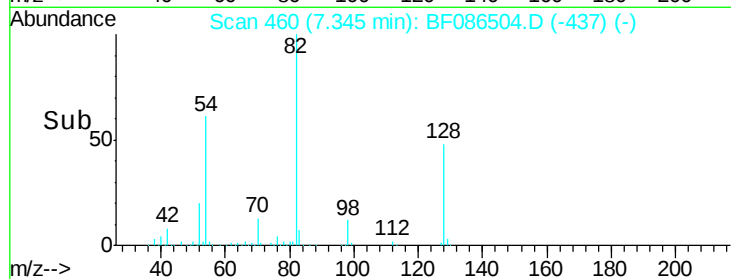
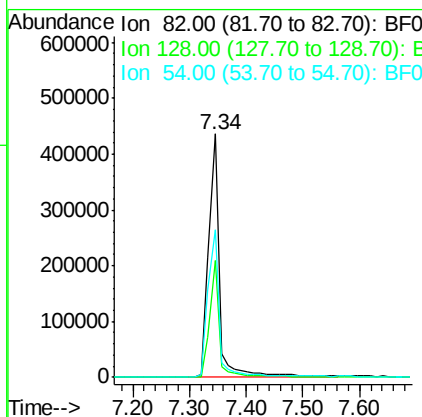
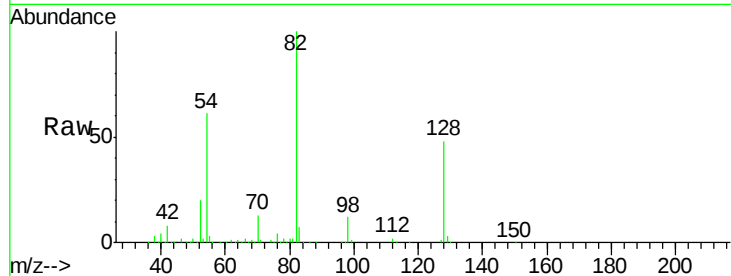
#23
 Nitrobenzene-d5
 Concen: 47.90 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF086504.D
 Acq: 29 Apr 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 B3(2-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	40.6	61.0
54	60.7	38.1	57.1

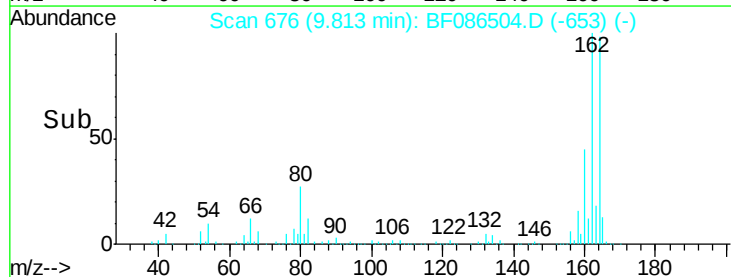
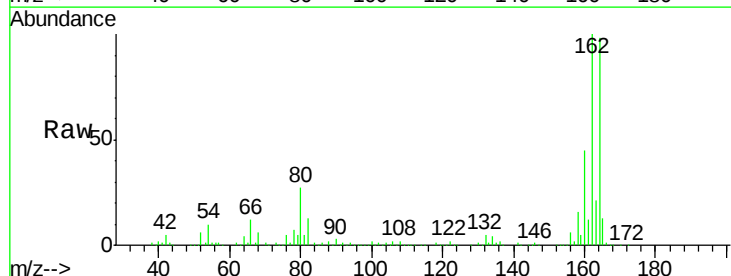
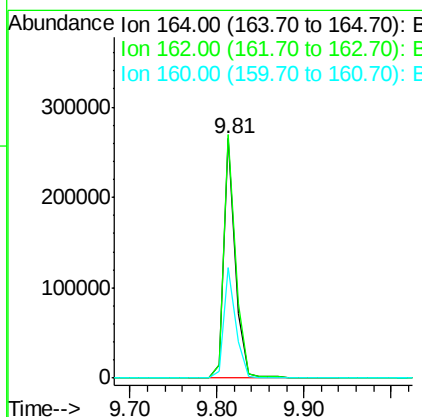
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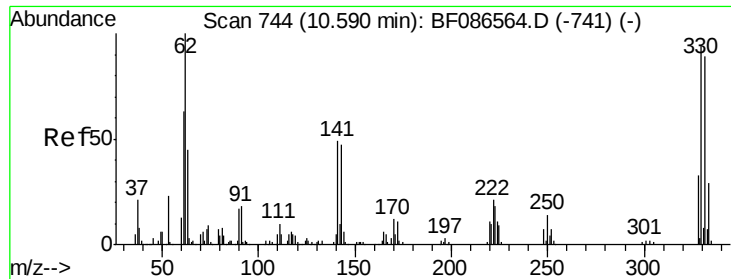
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086504.D
 Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.8	124.2
160	46.2	36.9	55.3





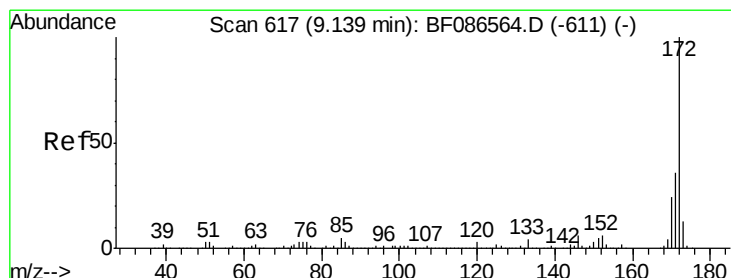
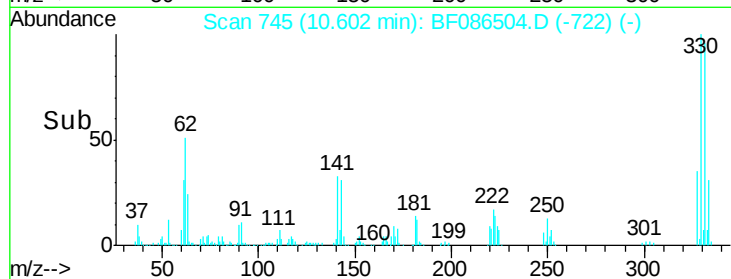
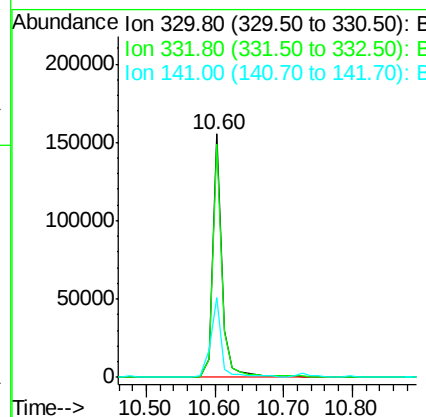
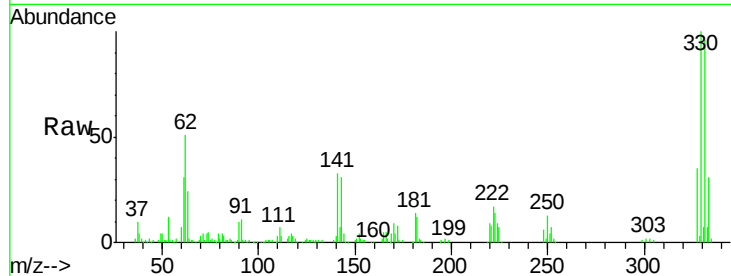
#41
 2,4,6-Tribromophenol
 Concen: 56.66 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086504.D
 Acq: 29 Apr 2016 20:55

Instrument :
 BNA_F
 ClientSampled :
 B3(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	79.0	118.4	
141	36.7	31.2	46.8	

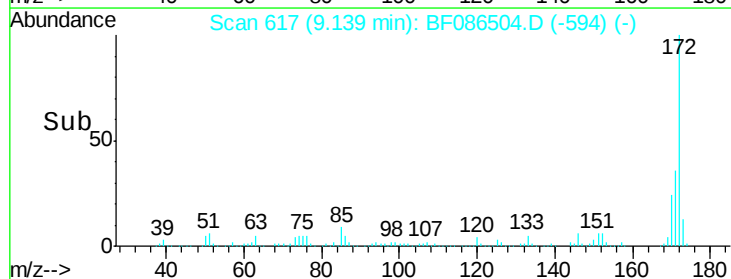
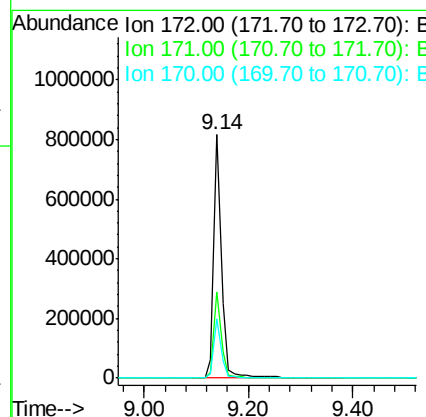
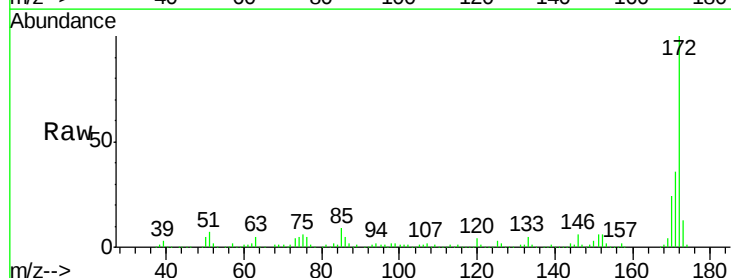
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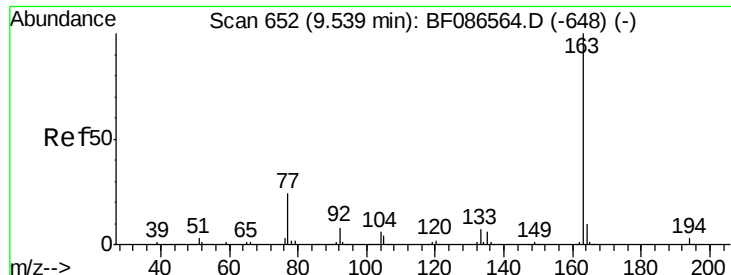
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#44
 2-Fluorobiphenyl
 Concen: 54.39 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086504.D
 Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.0	43.6	
170	24.3	19.8	29.8	





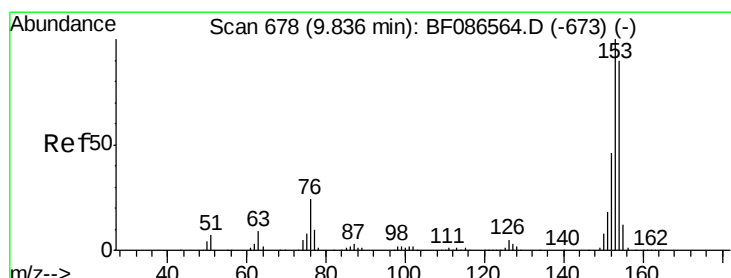
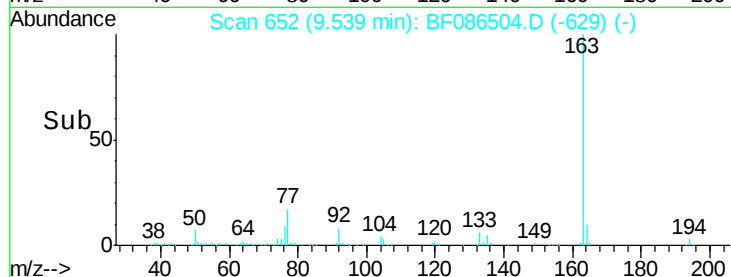
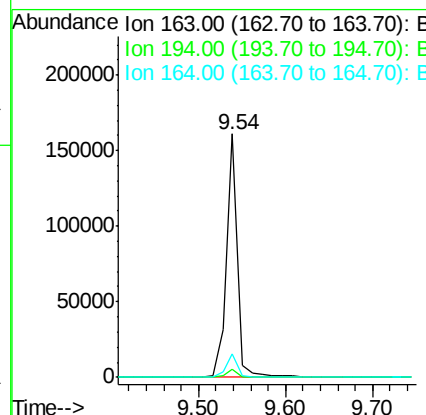
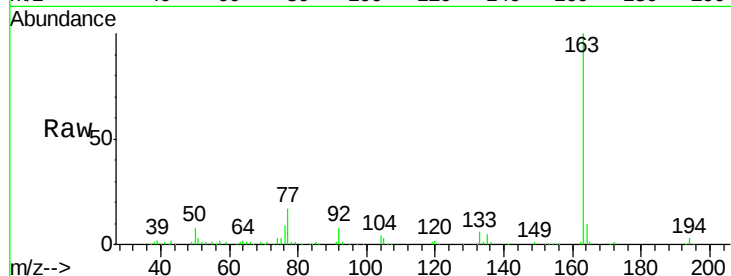
#49
Dimethylphthalate
Concen: 7.63 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Instrument :
BNA_F
ClientSampleId :
B3(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	144560		
194	3.4	2.6	4.0	
164	9.5	8.2	12.4	

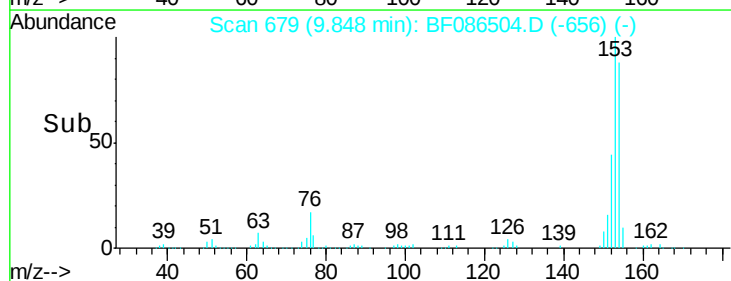
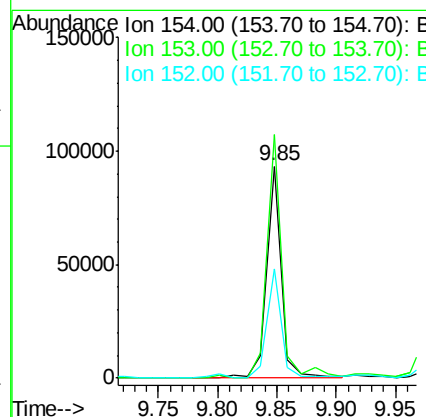
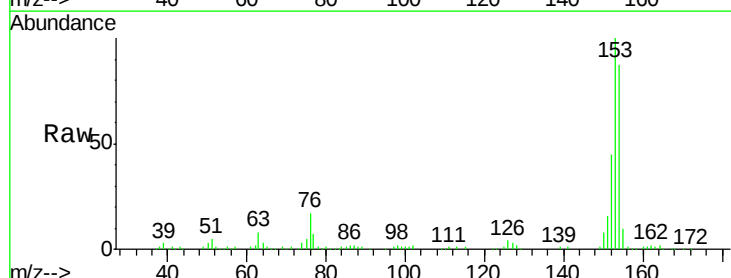
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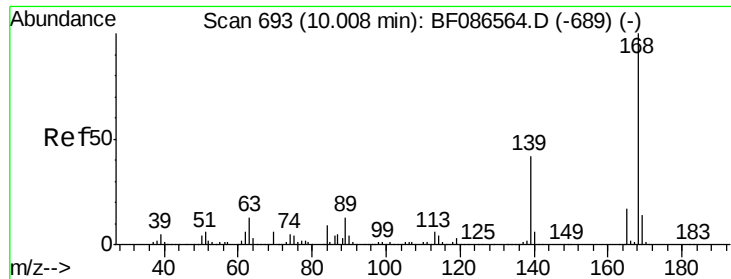
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#51
Acenaphthene
Concen: 5.03 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	80798		
153	114.9	89.8	134.6	
152	51.5	43.4	65.0	





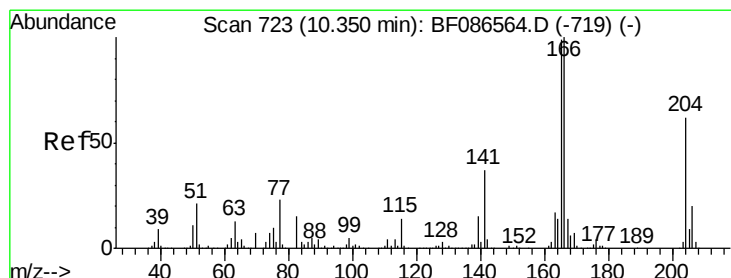
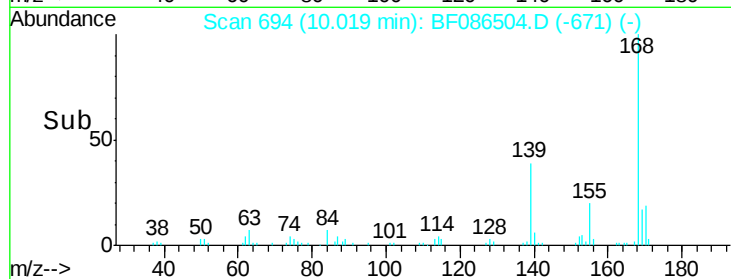
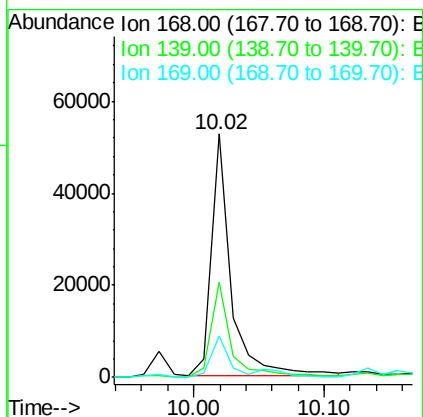
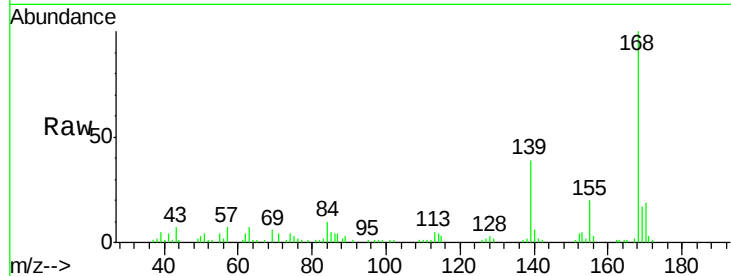
#54
Dibenzofuran
Concen: 2.74 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Instrument :
BNA_F
ClientSampleId :
B3(2-4)

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.4	47.0
169	16.9	10.7	16.1

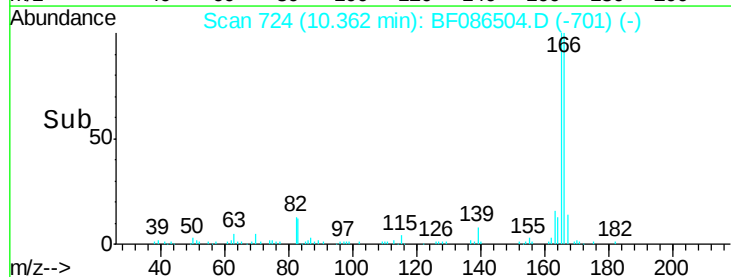
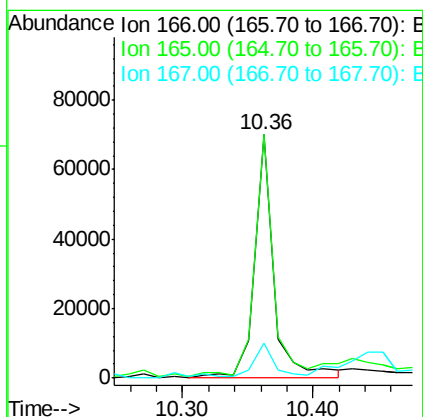
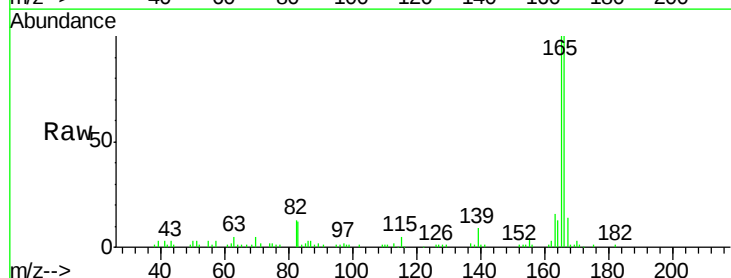
Manual Integrations
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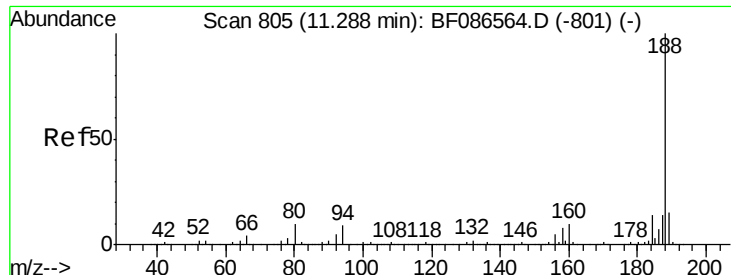
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#57
Fluorene
Concen: 4.19 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.0	118.6
167	14.4	10.6	15.8





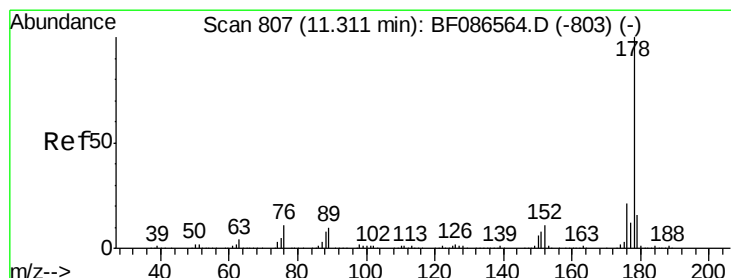
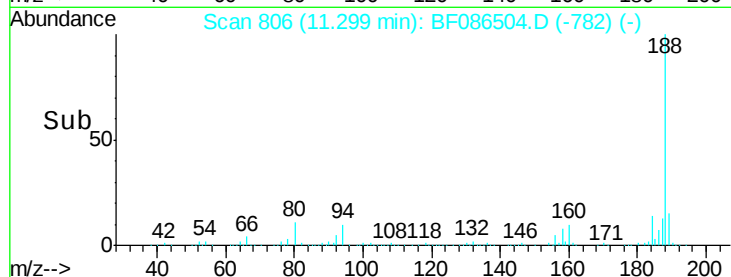
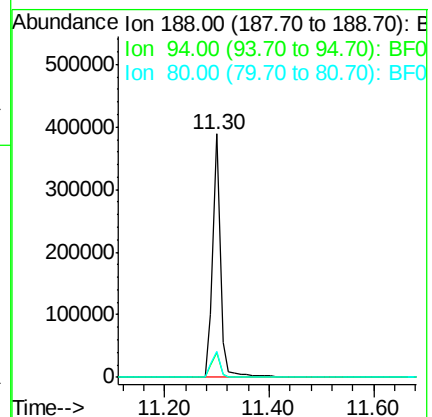
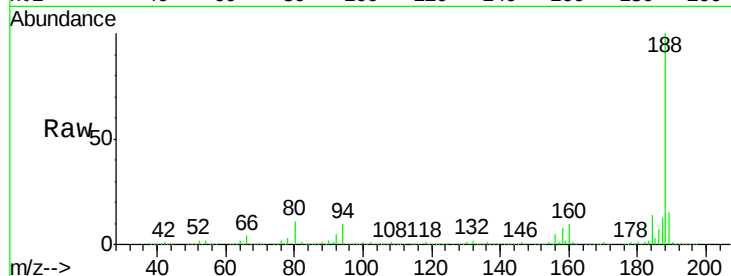
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Instrument :
BNA_F
ClientSampled :
B3(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	405864		
94	10.2	6.8	10.2	
80	10.5	7.1	10.7	

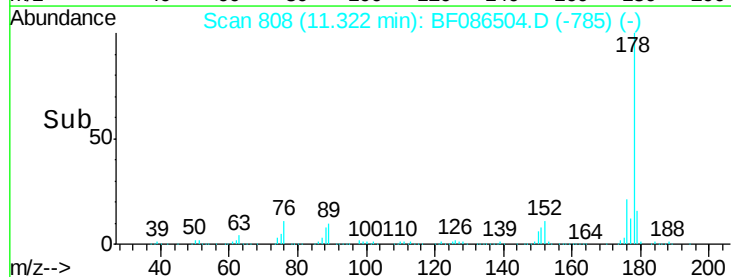
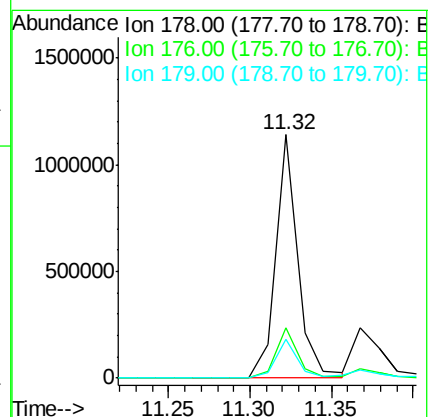
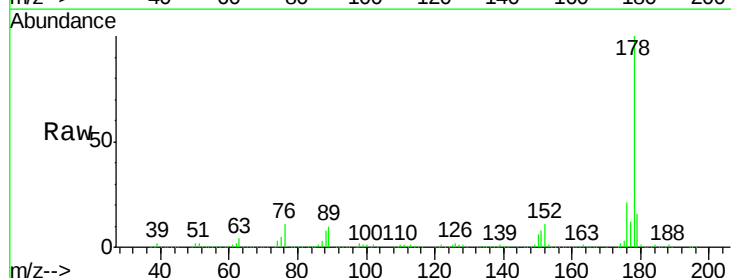
Manual Integrations
APPROVED

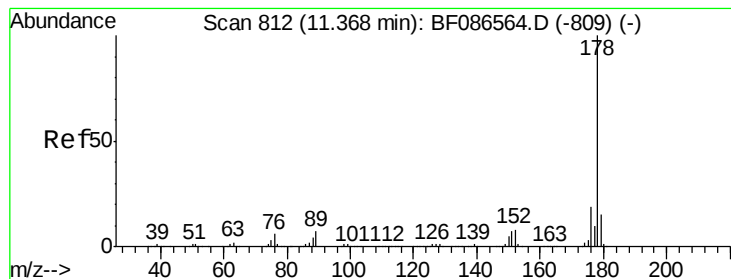
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#70
Phenanthrene
Concen: 50.81 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1082306		
176	20.6	16.0	24.0	
179	16.2	12.6	18.8	





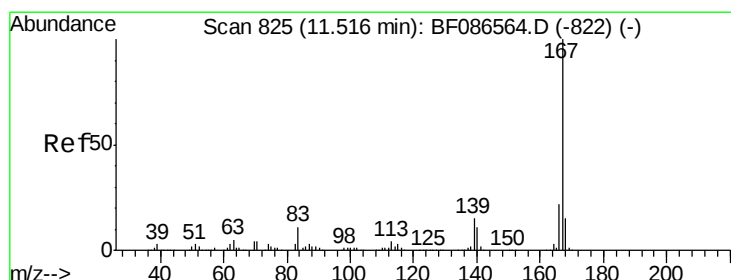
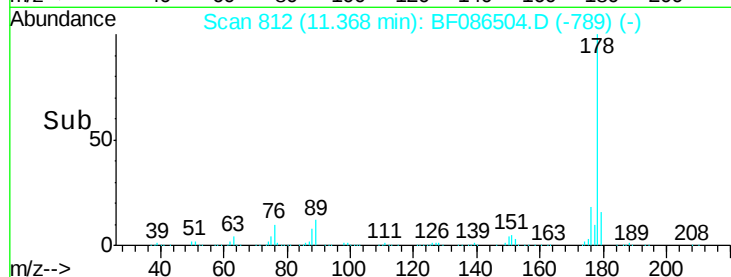
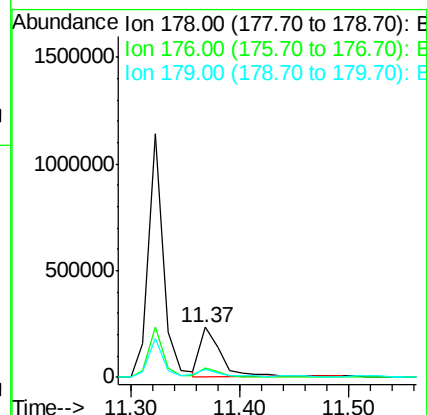
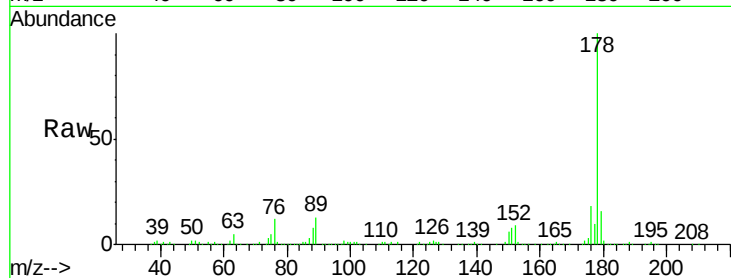
#71
 Anthracene
 Concen: 13.71 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF086504.D
 Acq: 29 Apr 2016 20:55

Instrument :
 BNA_F
 ClientSampleId :
 B3(2-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	16.2	12.7	19.1

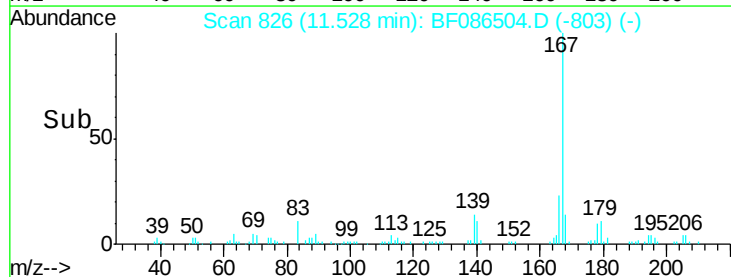
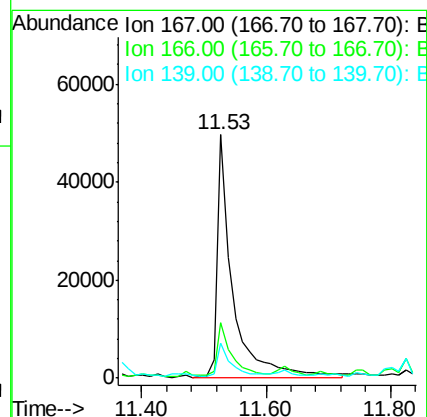
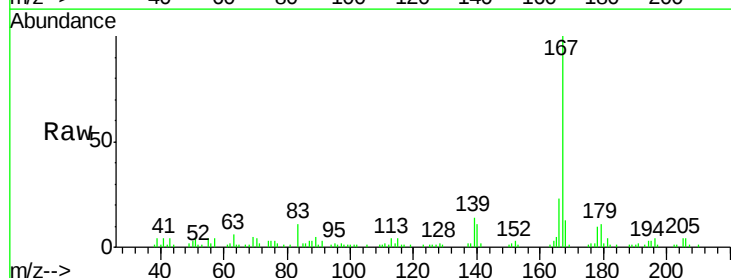
Manual Integrations
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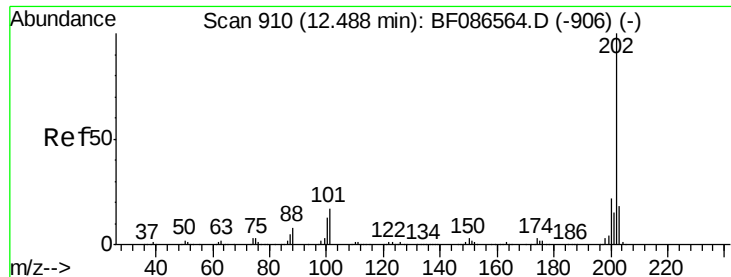
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#72
 Carbazole
 Concen: 4.32 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.03 min
 Lab File: BF086504.D
 Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.7	26.5
139	14.4	10.8	16.2





#74

Fluoranthene

Concen: 60.40 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Instrument :

BNA_F

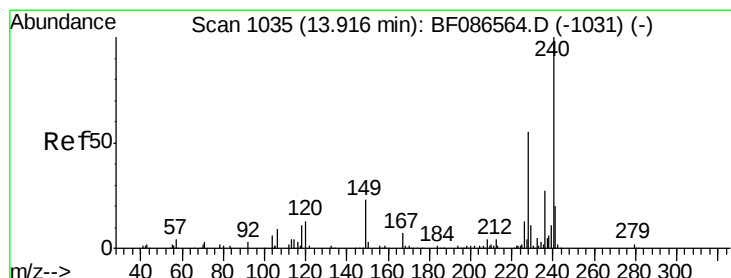
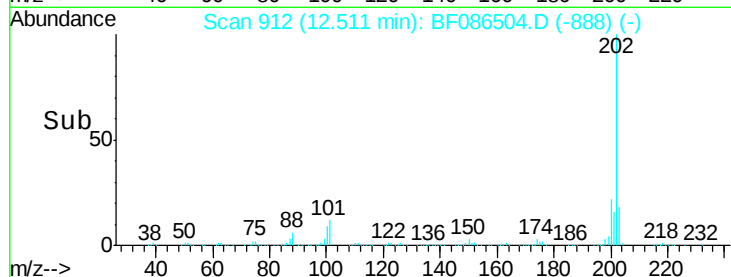
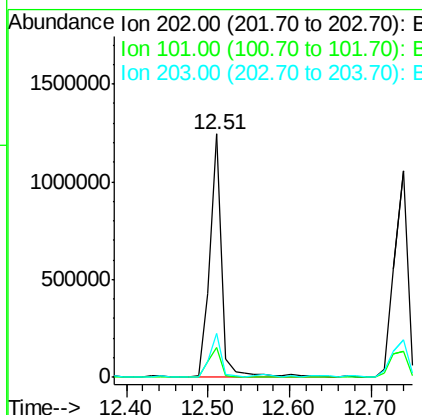
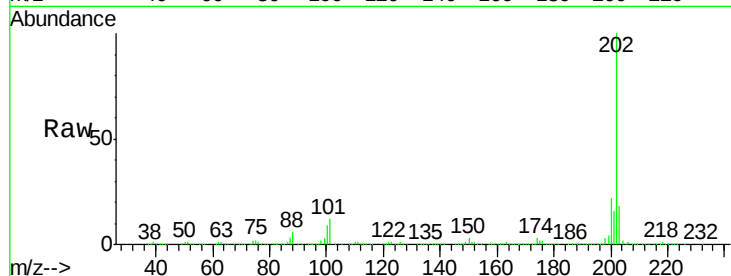
ClientSampleId :

B3(2-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.4	0.0	35.4		
203	18.1	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

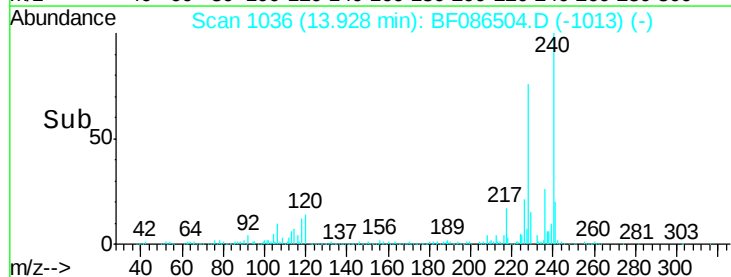
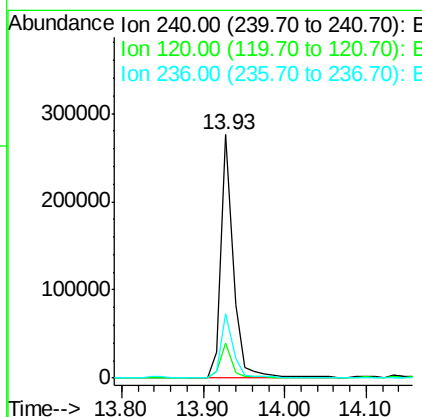
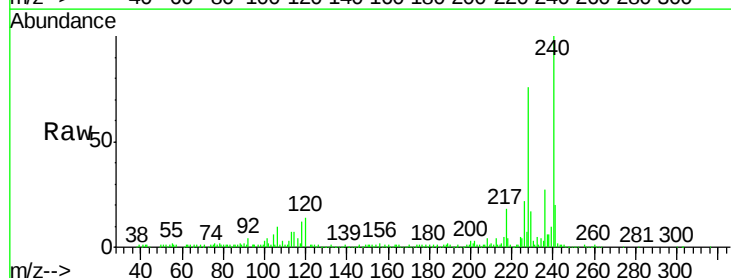
RT: 13.93 min Scan# 1036

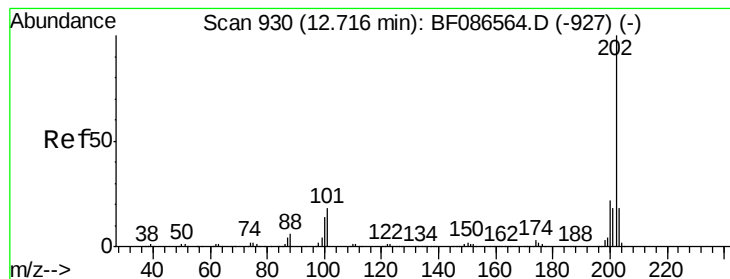
Delta R.T. -0.03 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.1	11.2	16.8		
236	26.5	21.2	31.8		





#77

Pvrene

Concen: 57.14 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Instrument :

BNA_F

ClientSampleId :

B3(2-4)

Tot Ion:202 Resp: 1199236

Ion Ratio Lower Upper

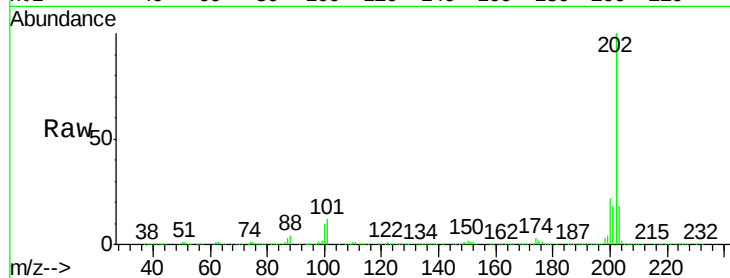
202 100

200 22.2 17.7 26.5

203 18.1 14.2 21.4

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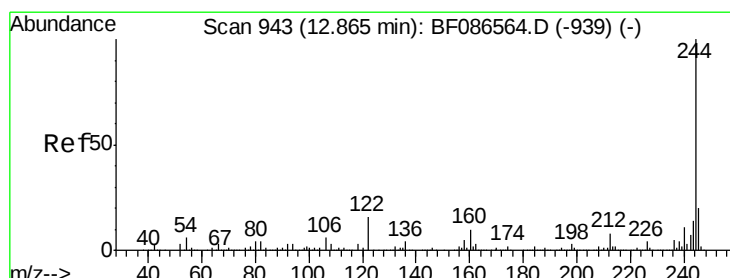
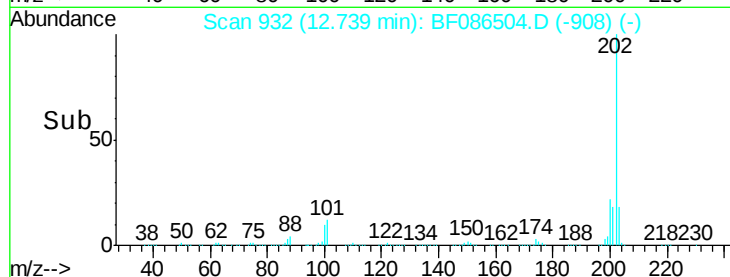
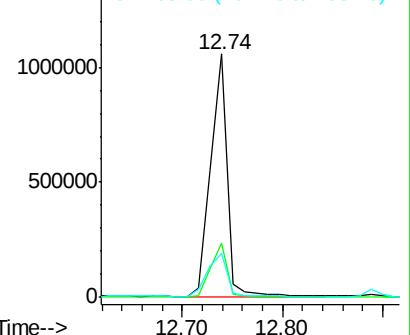
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 41.52 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.03 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

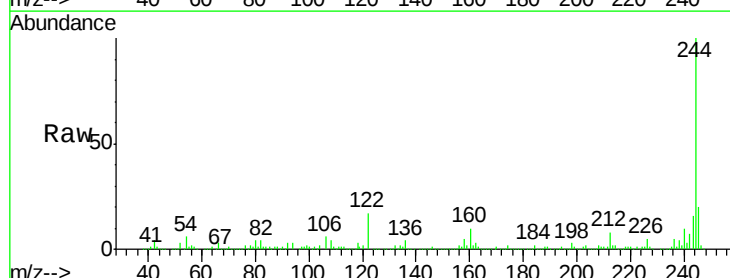
Tgt Ion:244 Resp: 548861

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

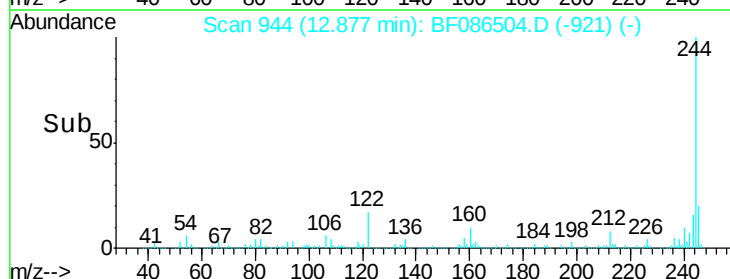
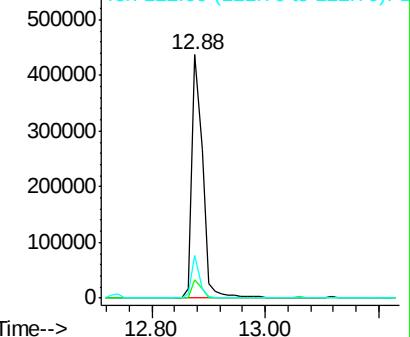
122 17.4 12.0 18.0

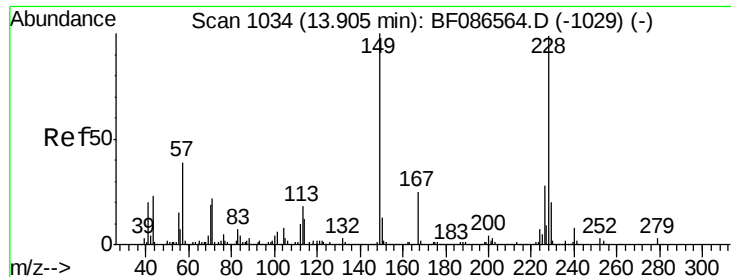


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 37.30 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Instrument :

BNA_F

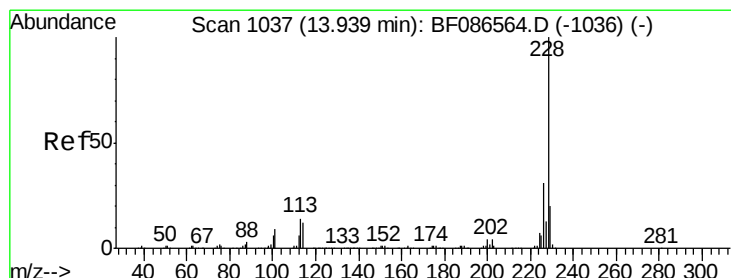
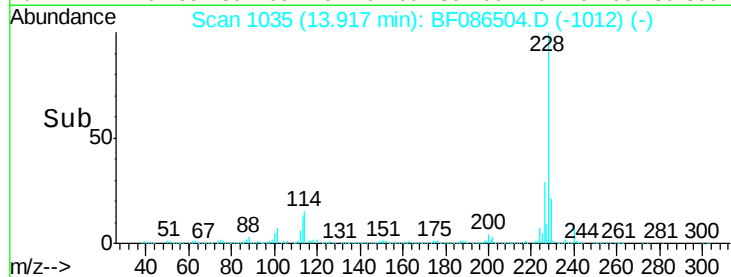
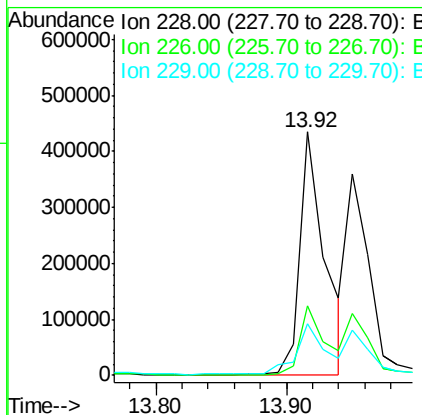
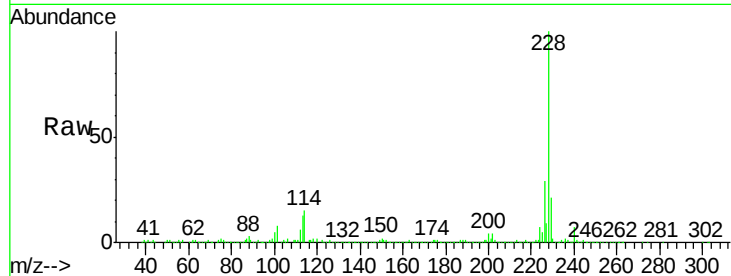
ClientSampled :

B3(2-4)

Tot Ion:	228	Resp:	579183
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.5	33.7
229	21.1	16.6	25.0

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#82

Chrysene

Concen: 26.42 ng m

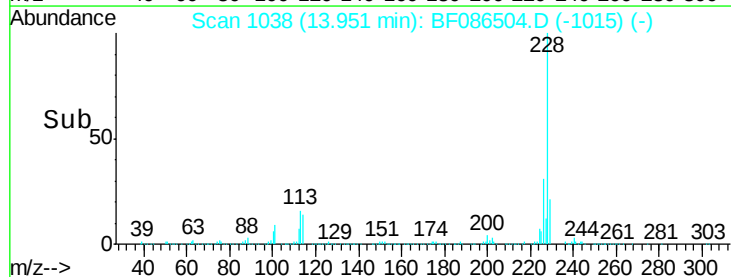
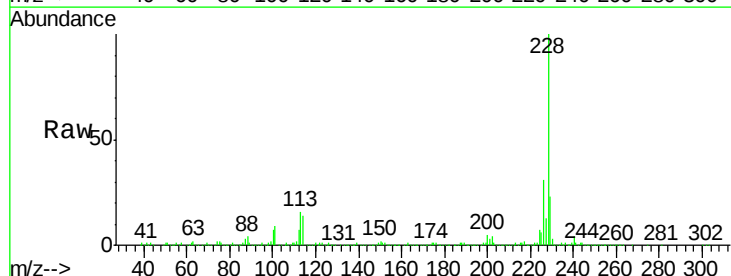
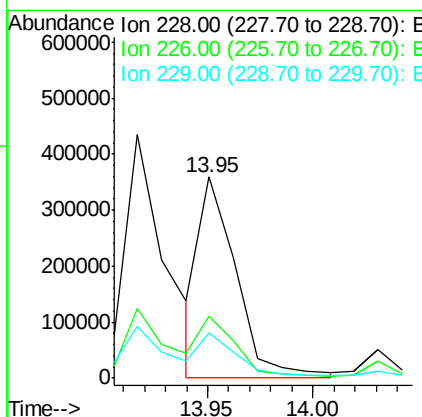
RT: 13.95 min Scan# 1038

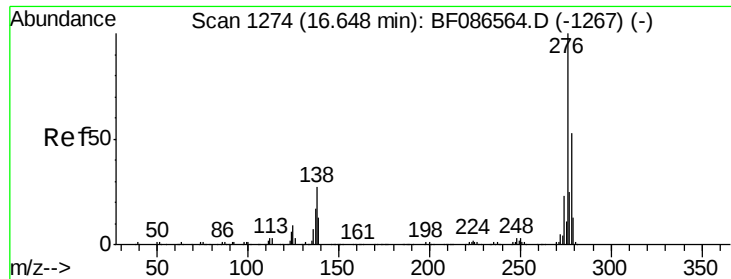
Delta R.T. -0.03 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Tgt Ion:	228	Resp:	445954
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.4	36.6
229	22.7	15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.80 ng

RT: 16.67 min Scan# 1276

Delta R.T. -0.05 min

Lab File: BF086504.D

Acq: 29 Apr 2016 20:55

Instrument :

BNA_F

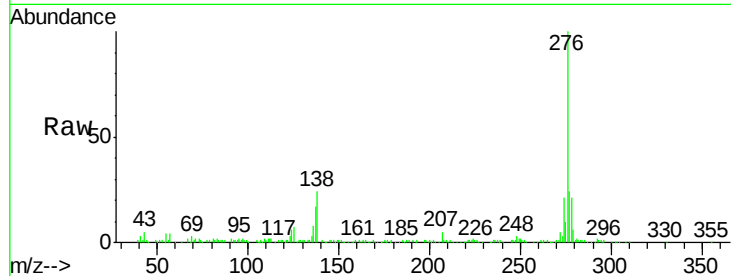
ClientSampleId :

B3(2-4)

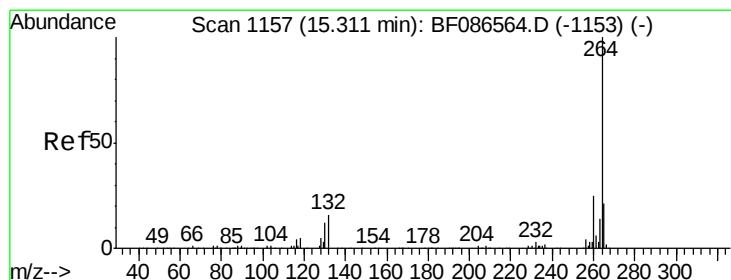
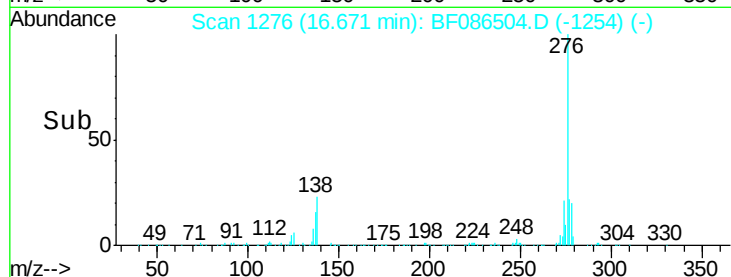
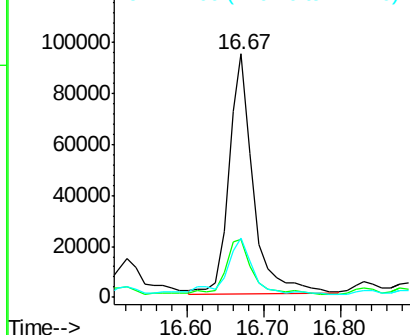
Tot Ion:	276	Resp:	210104
Ion Ratio	Lower	Upper	
276	100		
138	26.6	25.6	38.4
277	27.7	20.5	30.7

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

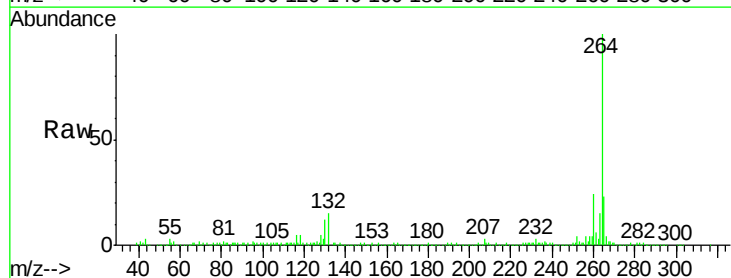
RT: 15.33 min Scan# 1159

Delta R.T. -0.02 min

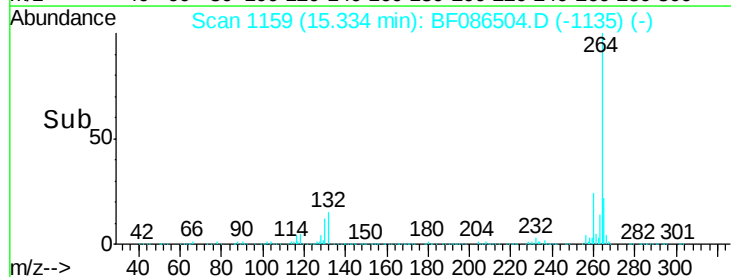
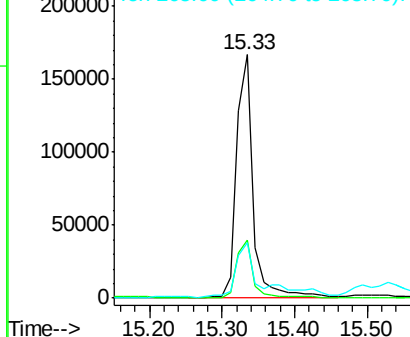
Lab File: BF086504.D

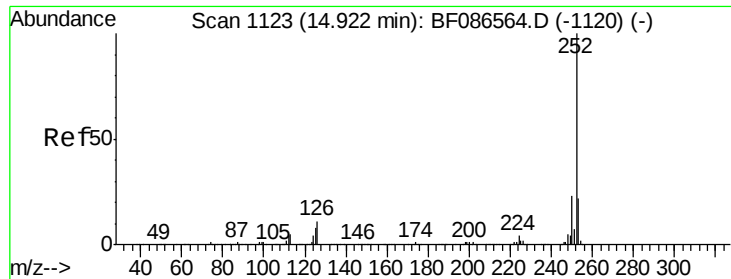
Acq: 29 Apr 2016 20:55

Tgt Ion:	264	Resp:	260620
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	22.8	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





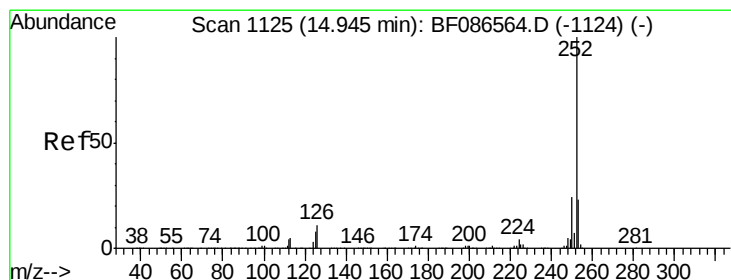
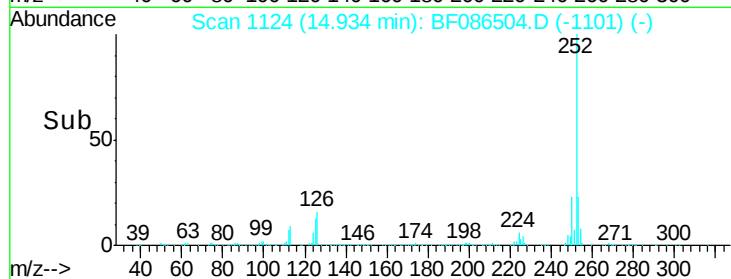
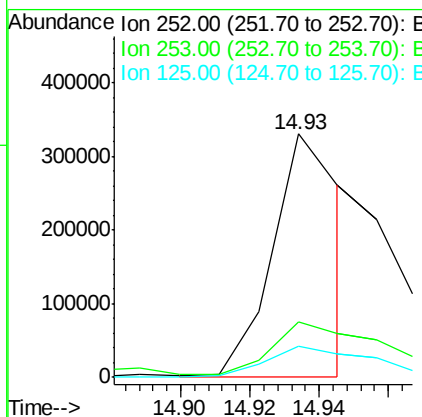
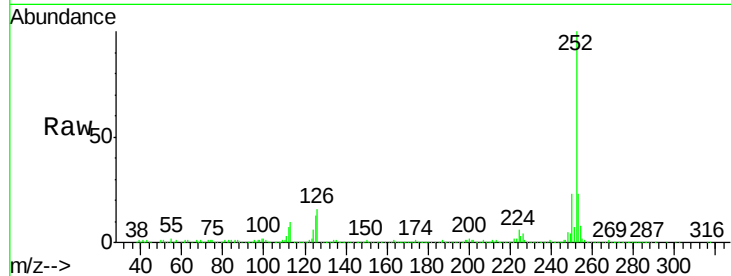
#87
Benzo(b)fluoranthene
Concen: 30.64 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Instrument :
BNA_F
ClientSampleId :
B3(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	13.0	11.4	17.0

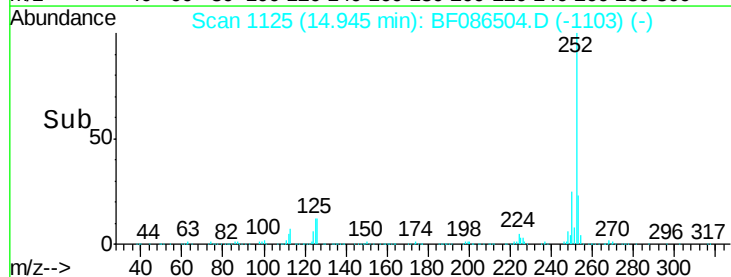
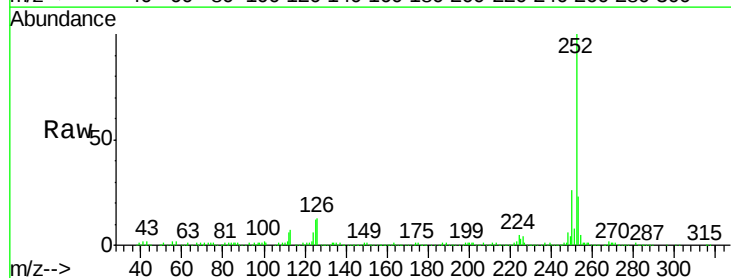
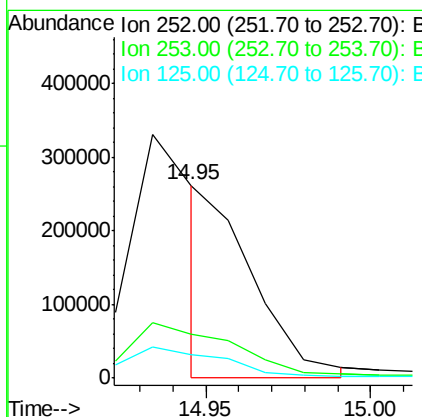
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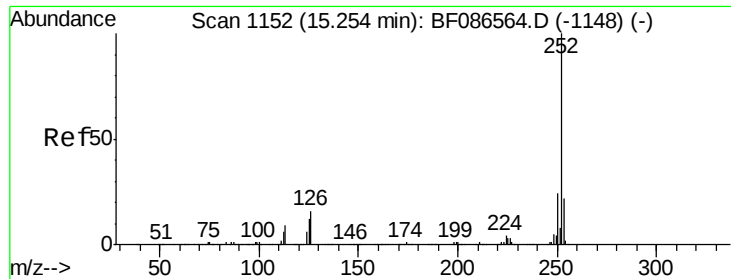
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#88
Benzo(k)fluoranthene
Concen: 15.29 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.0	9.1	13.7





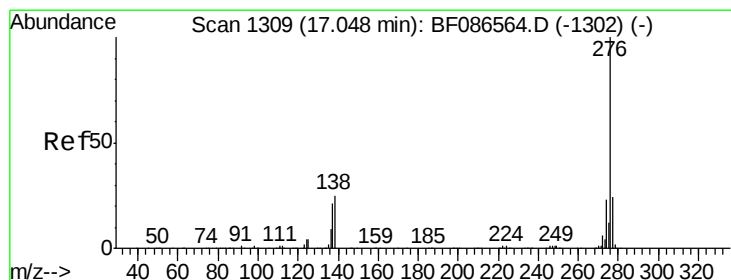
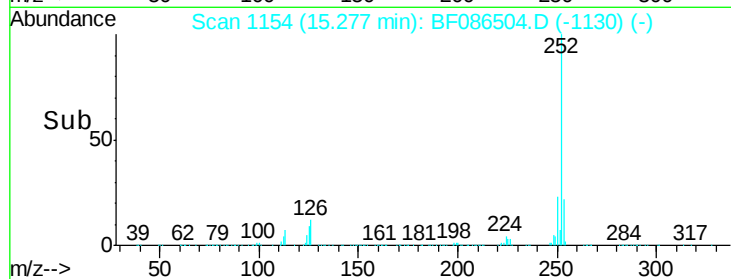
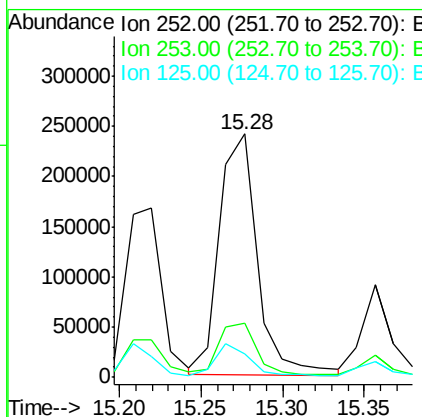
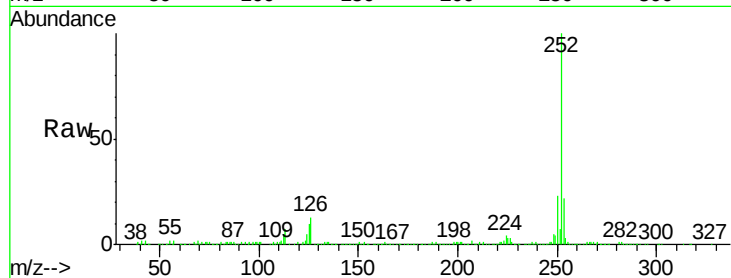
#89
Benzo(a)pyrene
Concen: 26.89 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Instrument :
BNA_F
ClientSampleId :
B3(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	9.9	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 16.27 ng
RT: 17.07 min Scan# 1311
Delta R.T. -0.06 min
Lab File: BF086504.D
Acq: 29 Apr 2016 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.6	29.4
138	24.8	23.6	35.4

