

Data Path : Z:\HPCHEM1\BNA_F\Data\BF063015\
 Data File : BF080263.D
 Acq On : 1 Jul 2015 7:53
 Operator : TP/IZ
 Sample : G2831-01 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Manual Integrations
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Quant Time: Jul 01 13:20:49 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	33215	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	137066	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	70385	20.00	ng	-0.05
63) Phenanthrene-d10	11.86	188	147616	20.00	ng	-0.05
75) Chrysene-d12	15.00	240	165275	20.00	ng	0.00
86) Perylene-d12	16.97	264	167496	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	63878	34.04	ng	-0.03
7) Phenol-d6	6.89	99	86253	34.54	ng	-0.03
23) Nitrobenzene-d5	7.84	82	52195	22.17	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	17573	25.53	ng	-0.03
44) 2-Fluorobiphenyl	9.65	172	100907	20.45	ng	-0.05
78) Terphenyl-d14	13.64	244	122570	17.32	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.84	70	6433	3.71	ng	# 60
25) Isophorone	7.84	82	52194	11.02	ng	# 58
49) Dimethylphthalate	10.04	163	11694	2.21	ng	# 96
50) 2,6-Dinitrotoluene	10.34	165	9206	8.68	ng	# 37
51) Acenaphthene	10.38	154	19498	4.11	ng	90
55) 4-Nitrophenol	10.55	139	5041	5.15	ng	# 25
56) 2,4-Dinitrotoluene	10.34	165	9205	6.84	ng	# 31
57) Fluorene	10.90	166	14058	2.63	ng	90
70) Phenanthrene	11.90	178	251632	28.16	ng	97
71) Anthracene	11.94	178	73691	8.56	ng	98
72) Carbazole	12.10	167	30099	3.66	ng	95
74) Fluoranthene	13.21	202	575458	60.46	ng	88
77) Pyrene	13.48	202	523826	51.48	ng	96
80) Benzo(a)anthracene	14.99	228	311220	30.91	ng	95
82) Chrysene	15.03	228	248750	26.79	ng	93
85) Indeno(1,2,3-cd)pyrene	18.81	276	147922	12.63	ng	# 90
87) Benzo(b)fluoranthene	16.44	252	458729	45.23	ng	# 88
88) Benzo(k)fluoranthene	16.44	252	458729	44.42	ng	# 89
89) Benzo(a)pyrene	17.01	252	68222	7.08	ng	92
90) Dibenzo(a,h)anthracene	18.84	278	35069	3.56	ng	# 82
91) Benzo(g,h,i)perylene	19.37	276	138047	13.87	ng	# 78

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

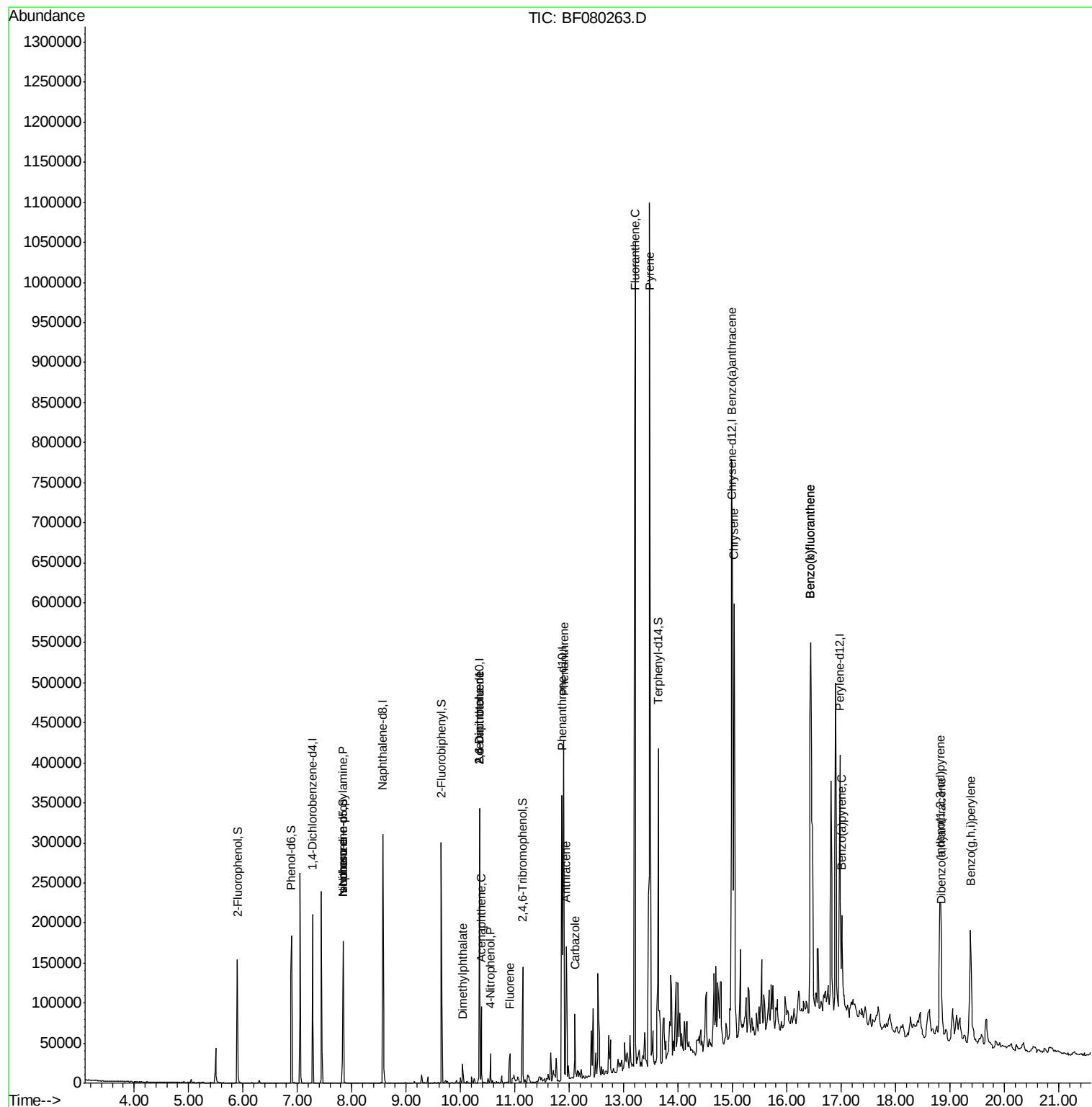
Data Path : Z:\HPCHEM1\BNA_F\Data\BF063015\
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ALS Vial : 31 Sample Multiplier: 1

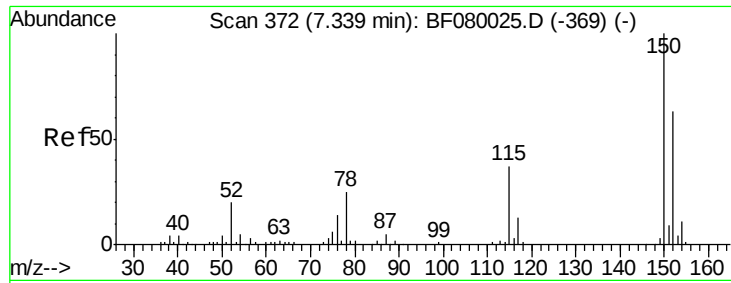
Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

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Quant Time: Jul 01 13:20:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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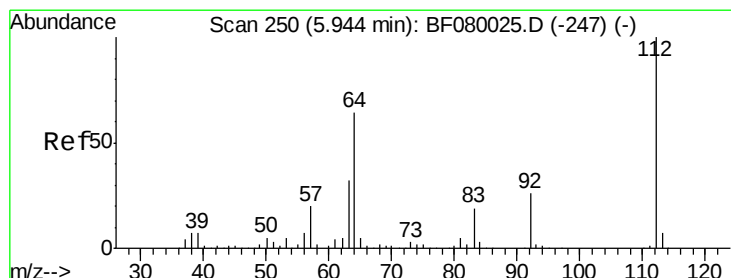
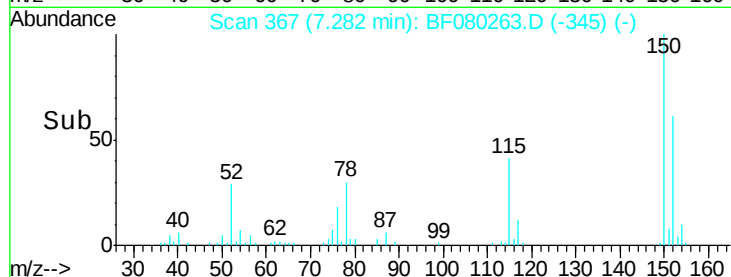
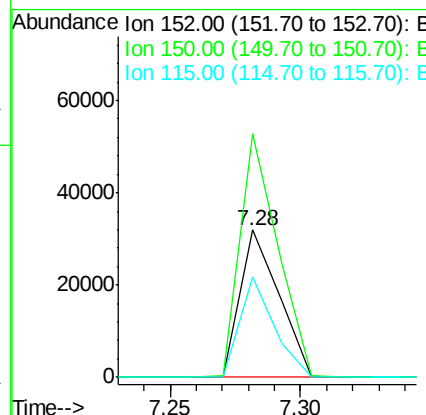
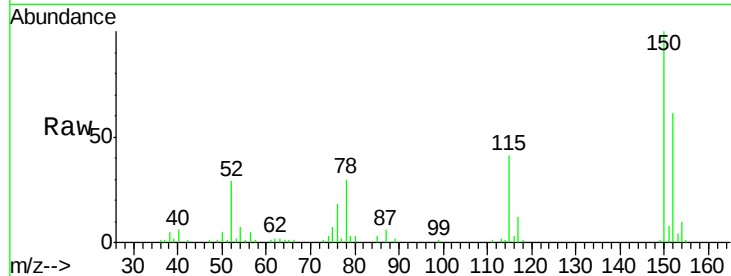
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 367
 Delta R.T. -0.05 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	33215		
150	165.2	124.7	187.1	
115	68.5	39.0	58.4	

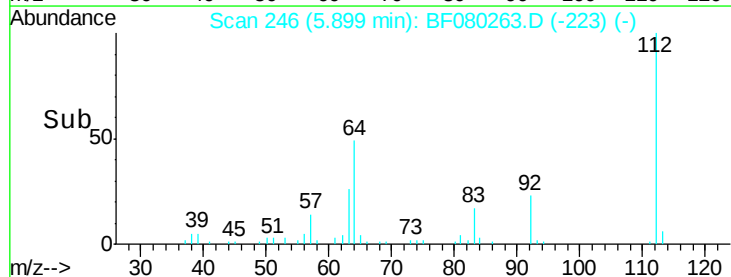
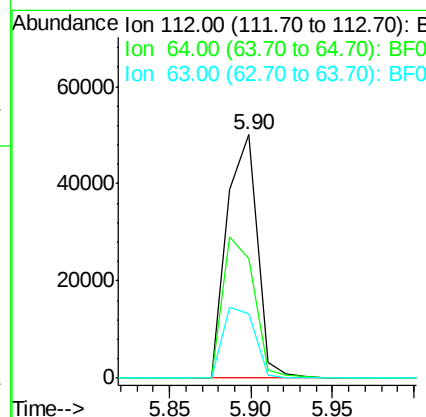
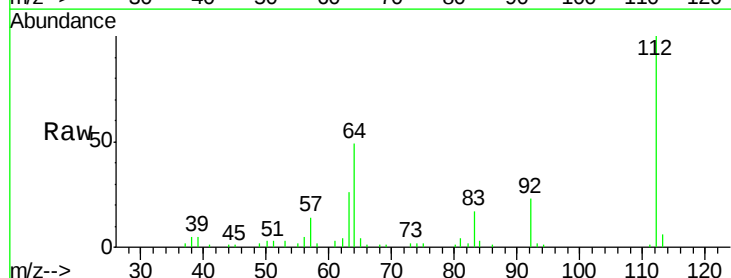
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#5
 2-Fluorophenol
 Concen: 34.04 ng
 RT: 5.90 min Scan# 246
 Delta R.T. -0.03 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	63878		
64	49.2	39.7	59.5	
63	26.3	17.4	26.0	





#7

Phenol-d6

Concen: 34.54 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Instrument :

BNA_F

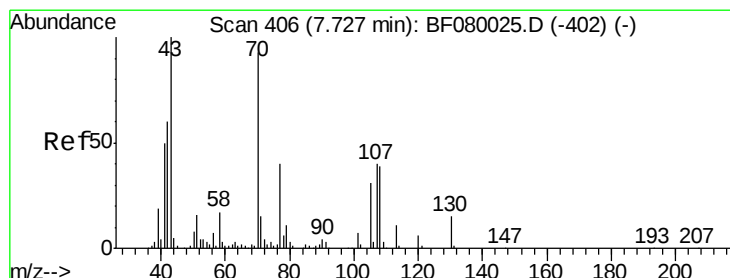
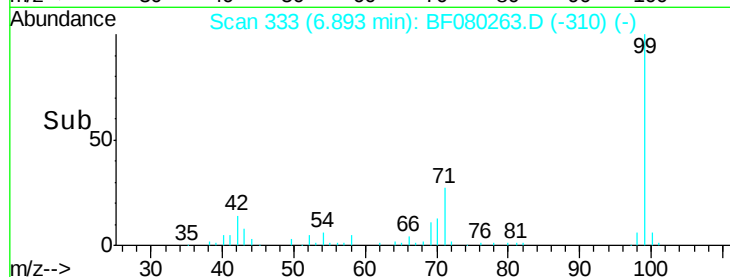
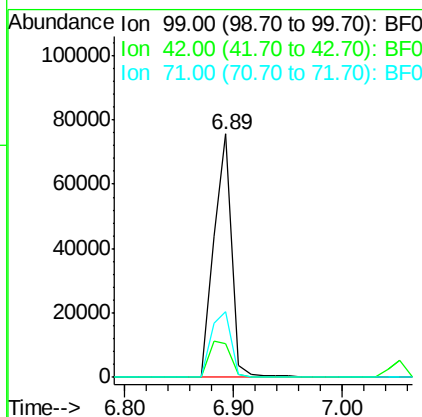
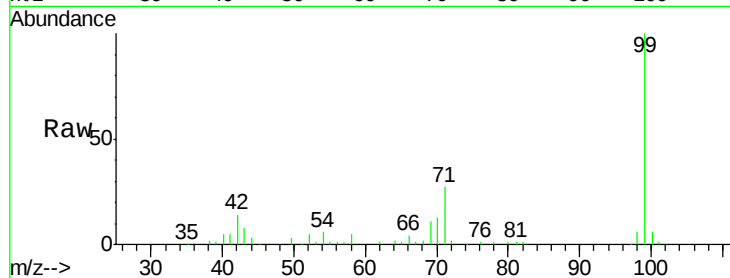
ClientSampleId :

SP-1(0-2)

Tgt Ion:	99	Resp:	86253
Ion Ratio	Lower	Upper	
99	100		
42	13.7	13.7	20.5
71	27.0	14.2	21.2#

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#19

n-Nitroso-di-n-propylamine

Concen: 3.71 ng

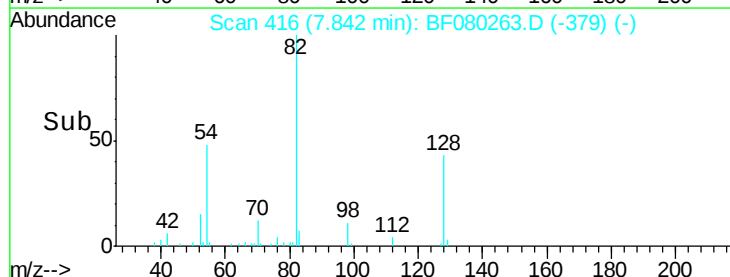
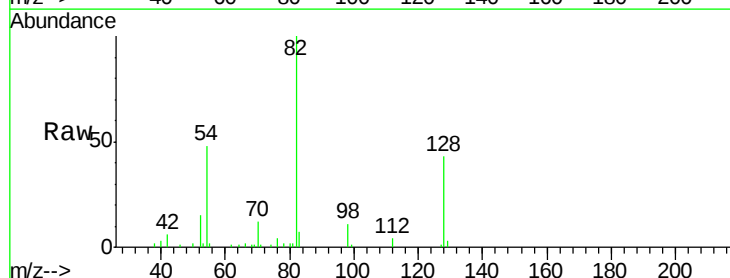
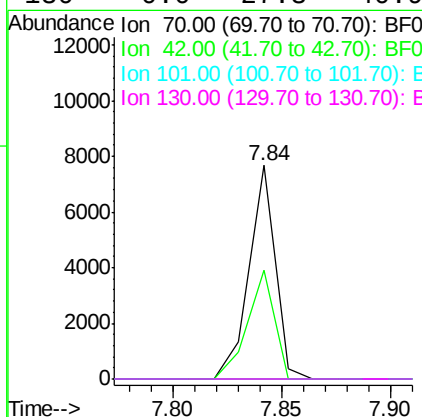
RT: 7.84 min Scan# 416

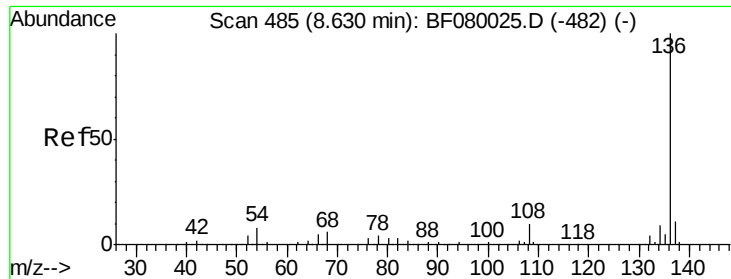
Delta R.T. 0.13 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Tgt Ion:	70	Resp:	6433
Ion Ratio	Lower	Upper	
70	100		
42	51.0	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#





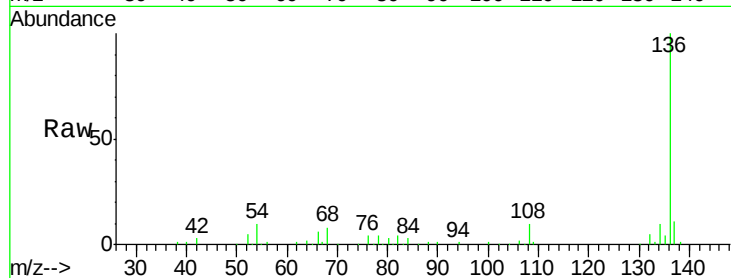
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

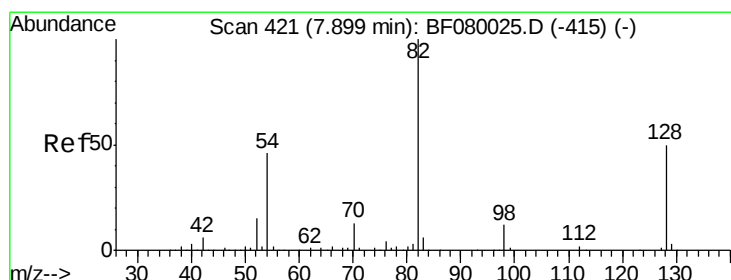
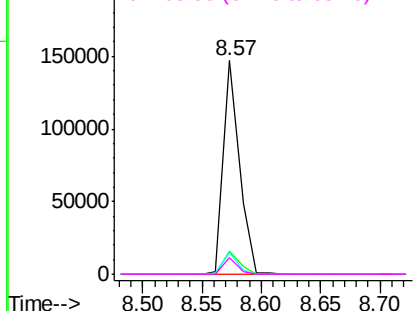
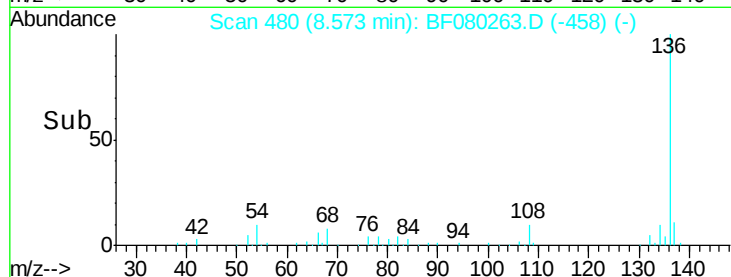
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	137066		
137	11.1	9.0	13.6	
54	10.4	8.2	12.2	
68	7.7	5.8	8.6	

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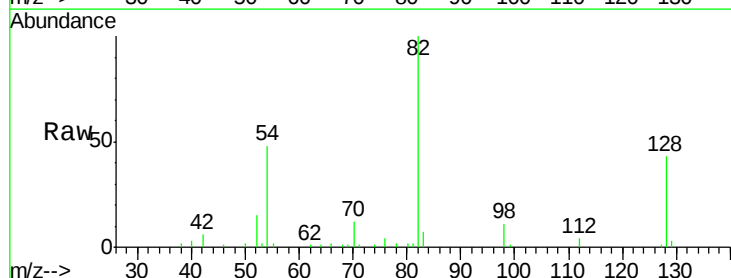


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

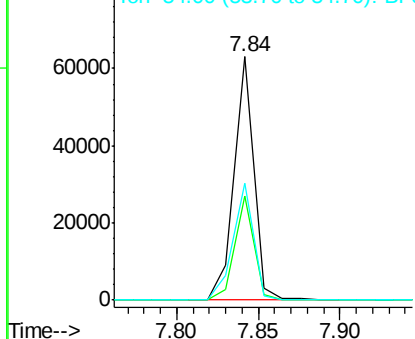
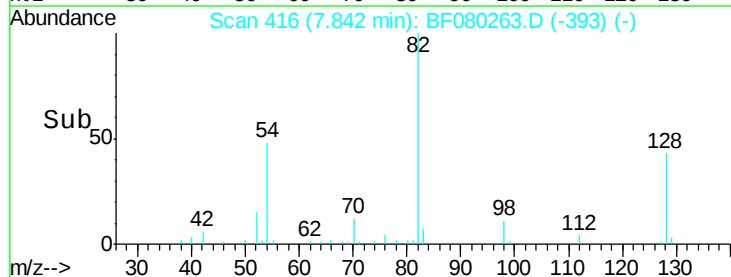


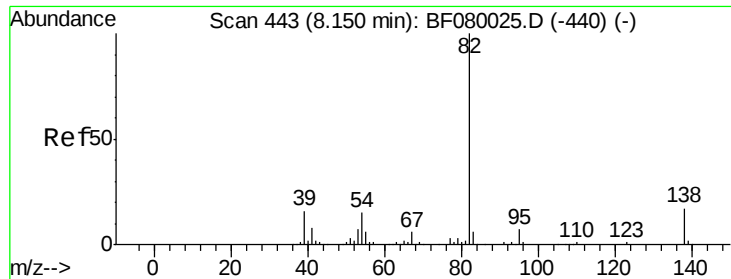
#23
Nitrobenzene-d5
Concen: 22.17 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.03 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	52195		
128	42.9	51.0	76.6#	
54	48.0	47.5	71.3	



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





#25

Isophorone

Concen: 11.02 ng

RT: 7.84 min Scan# 416

Delta R.T. -0.30 min

Lab File: BF080263.D

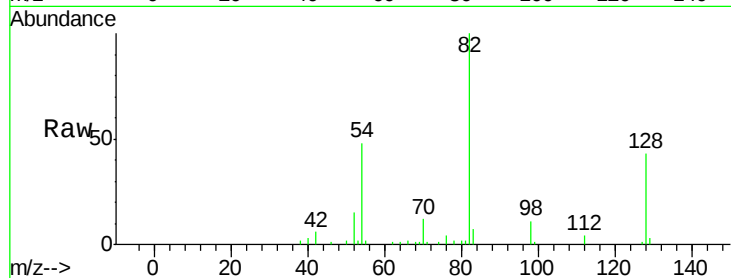
Acq: 1 Jul 2015 7:53

Instrument :

BNA_F

ClientSampleId :

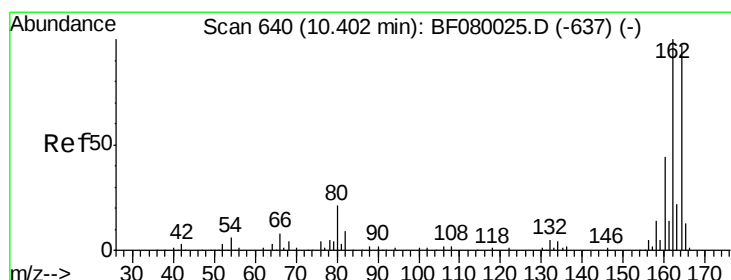
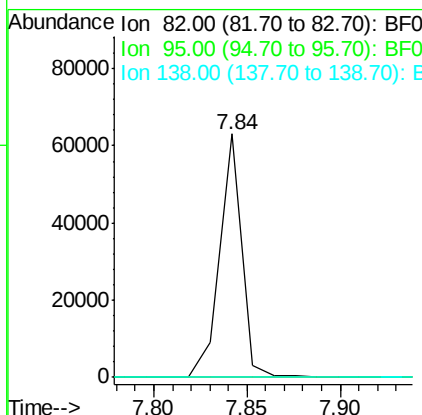
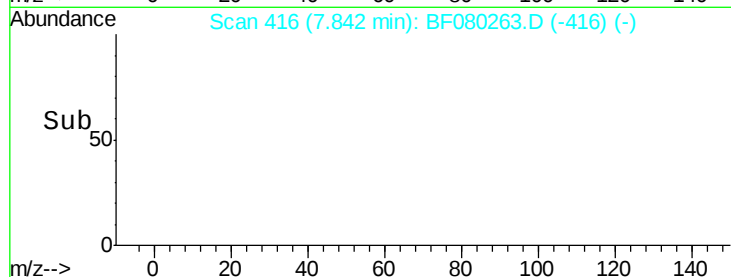
SP-1(0-2)



Tgt Ion	82	95	138
Ratio	100	0.0	0.0
Lower		4.0	18.3
Upper		6.0	27.5

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#38

Acenaphthene-d10

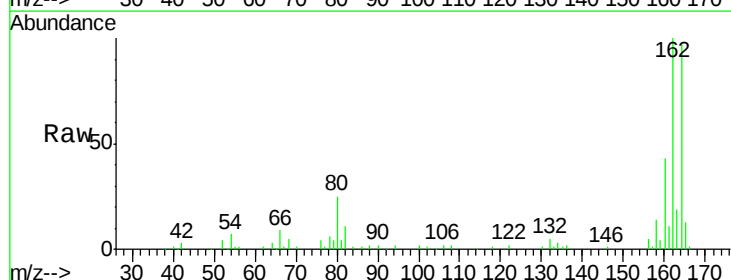
Concen: 20.00 ng

RT: 10.34 min Scan# 635

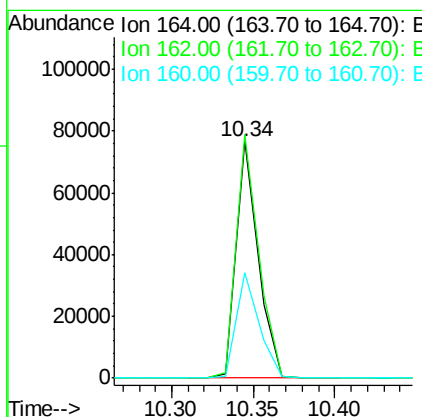
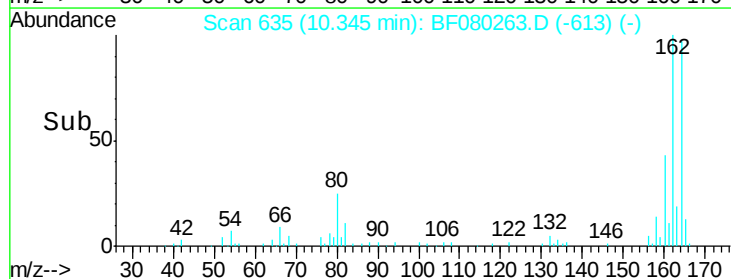
Delta R.T. -0.05 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53



Tgt Ion	164	162	160
Ratio	100	102.8	44.4
Lower		75.2	31.5
Upper		112.8	47.3





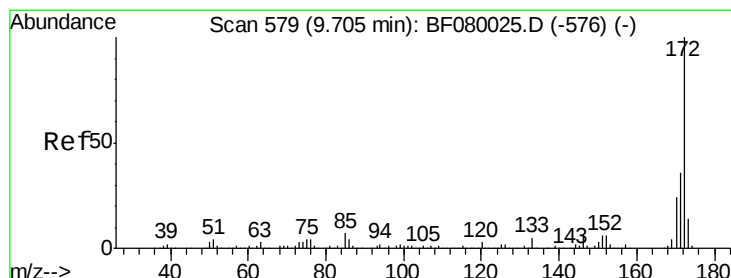
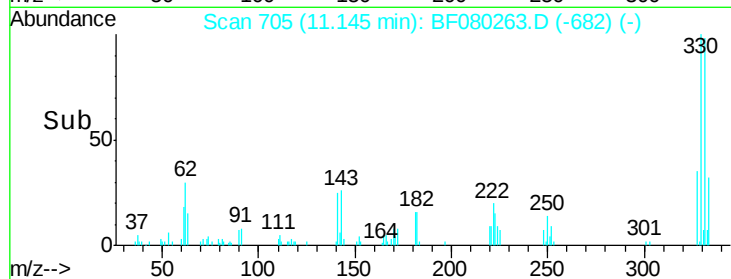
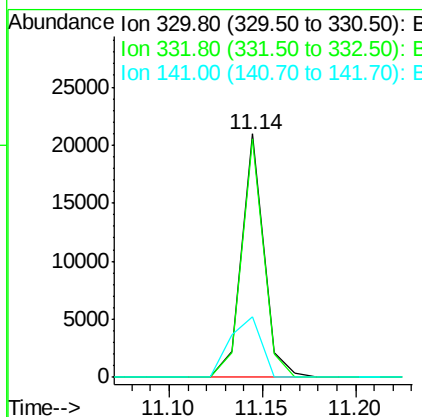
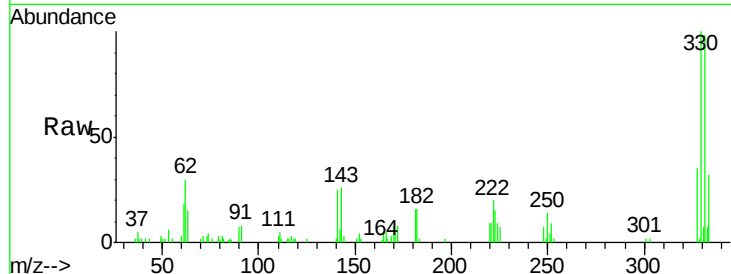
#41
 2,4,6-Tribromophenol
 Concen: 25.53 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Instrument :
 BNA_F
 ClientSampled :
 SP-1(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	17573		
332	96.4	76.6	114.8	
141	34.6	29.7	44.5	

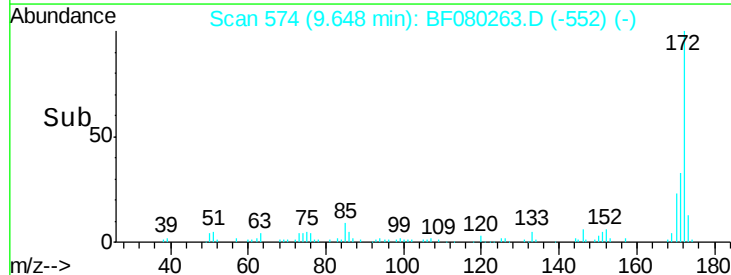
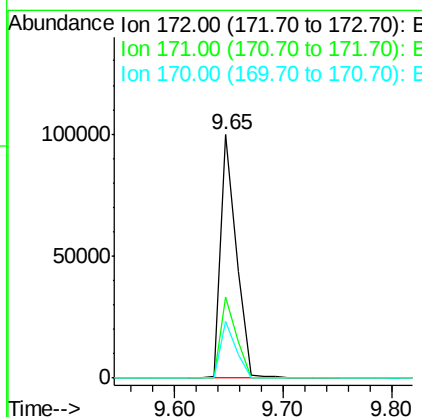
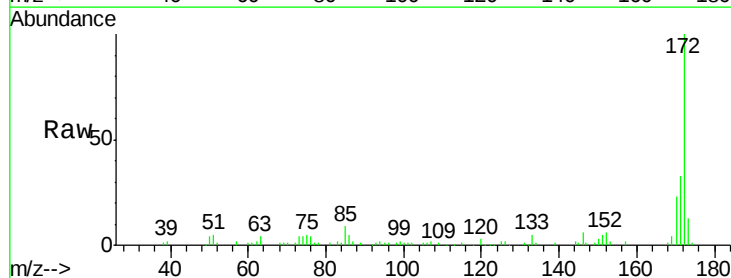
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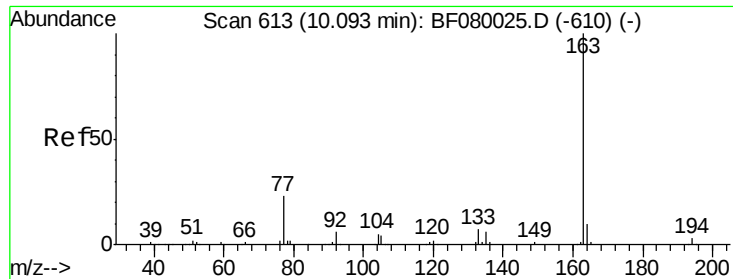
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#44
 2-Fluorobiphenyl
 Concen: 20.45 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.05 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	100907		
171	33.4	26.1	39.1	
170	23.4	17.4	26.2	





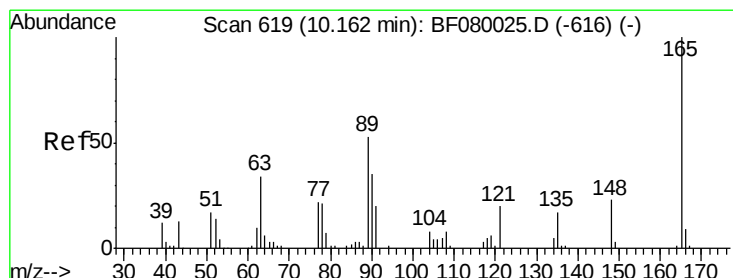
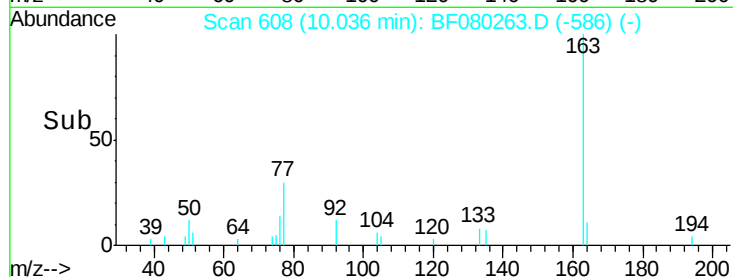
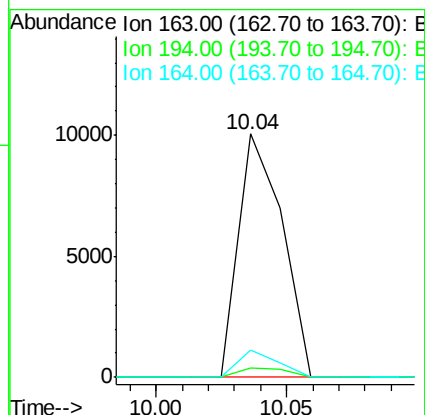
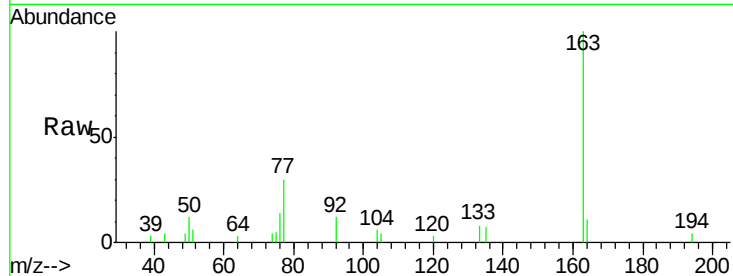
#49
Dimethylphthalate
Concen: 2.21 ng
RT: 10.04 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	11694		
194	3.6	4.4	6.6#	
164	11.4	8.3	12.5	

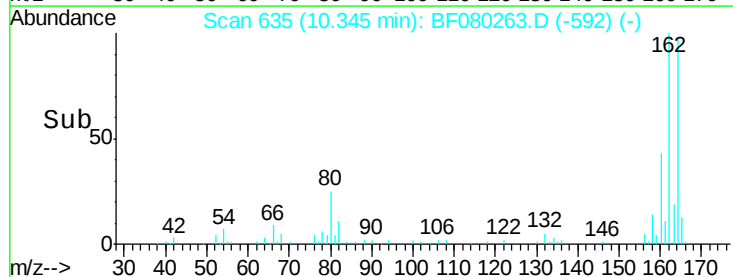
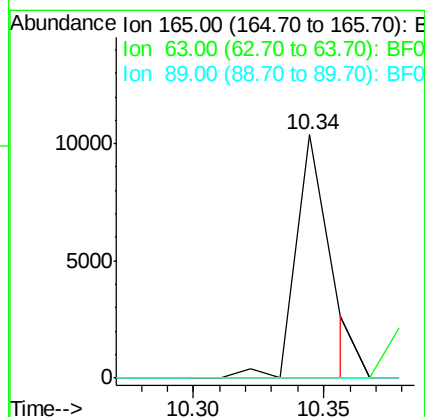
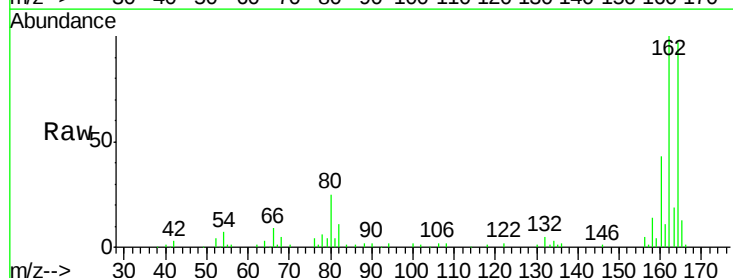
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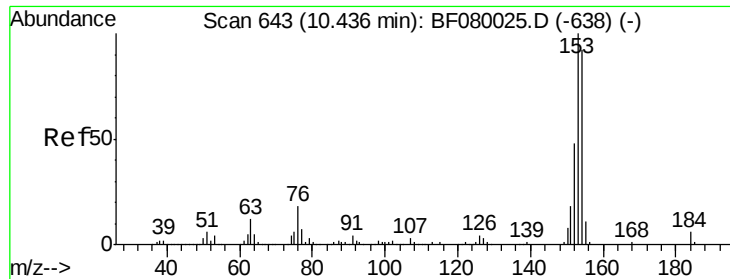
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#50
2,6-Dinitrotoluene
Concen: 8.68 ng
RT: 10.34 min Scan# 635
Delta R.T. 0.19 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	9206		
63	0.0	32.3	48.5#	
89	0.0	28.6	43.0#	





#51

Acenaphthene

Concen: 4.11 ng

RT: 10.38 min Scan# 638

Delta R.T. -0.05 min

Lab File: BF080263.D

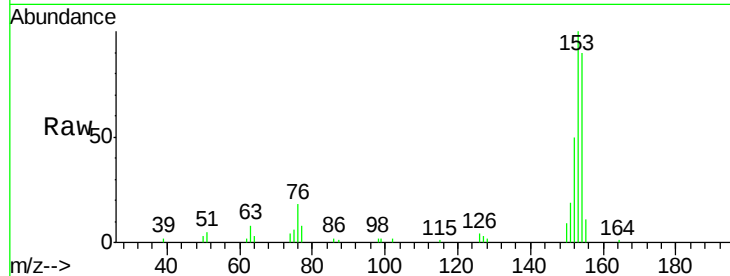
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Instrument :

BNA_F

ClientSampleId :

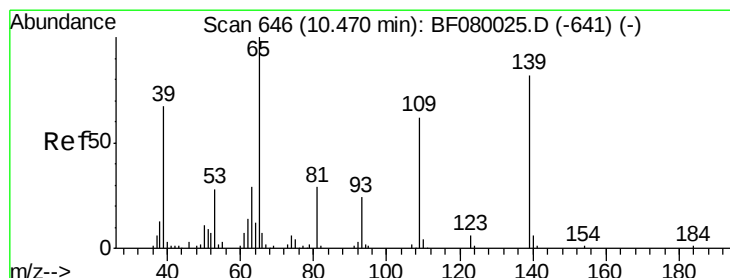
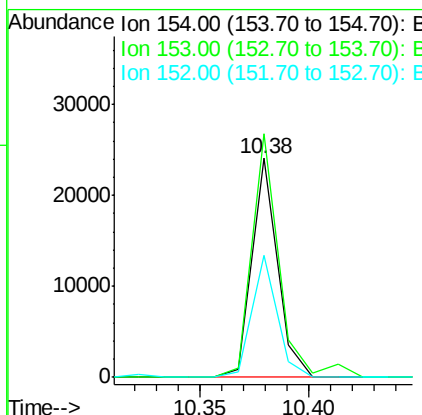
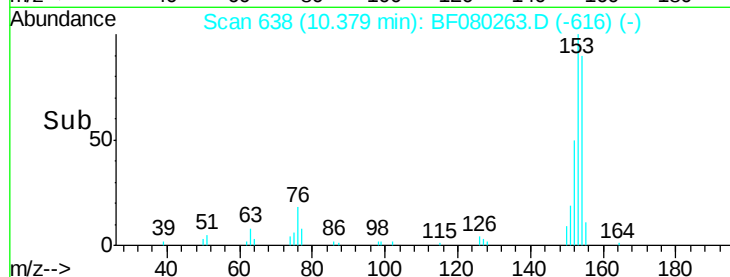
SP-1(0-2)



Tgt Ion:	154	Resp:	19498
Ion Ratio	Lower	Upper	
154	100		
153	111.3	82.1	123.1
152	56.0	37.9	56.9

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#55

4-Nitrophenol

Concen: 5.15 ng

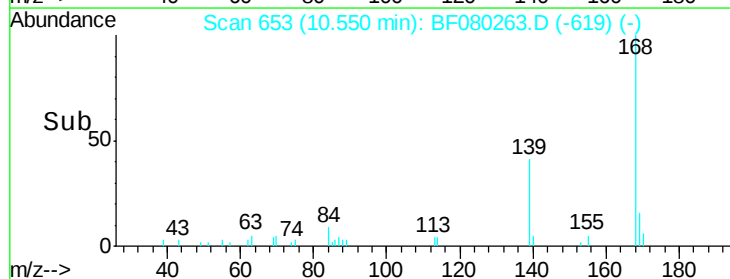
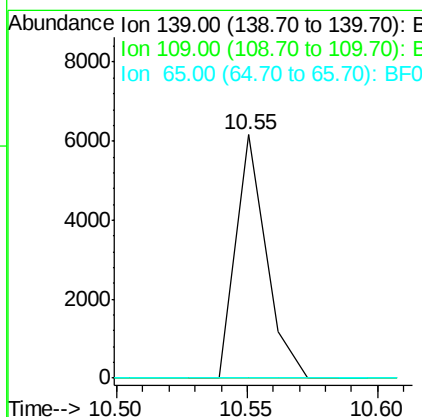
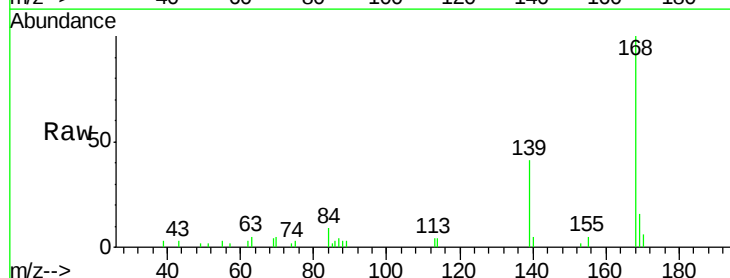
RT: 10.55 min Scan# 653

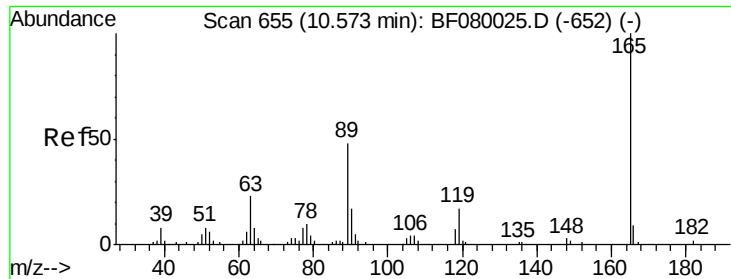
Delta R.T. 0.09 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Tgt Ion:	139	Resp:	5041
Ion Ratio	Lower	Upper	
139	100		
109	0.0	12.7	52.7#
65	0.0	45.9	85.9#





#56

2,4-Dinitrotoluene

Concen: 6.84 ng

RT: 10.34 min Scan# 635

Delta R.T. -0.21 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Instrument :

BNA_F

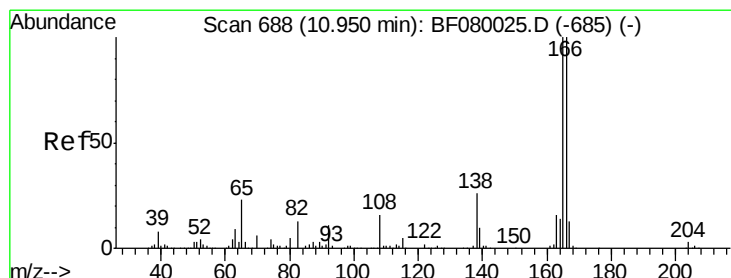
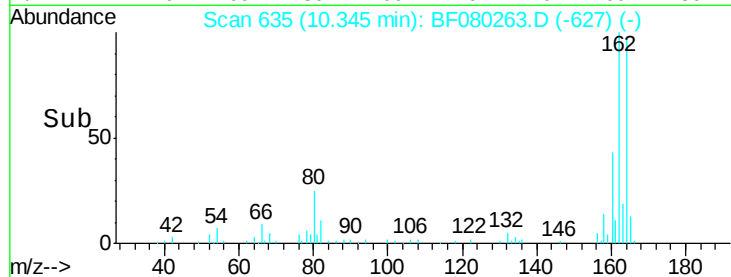
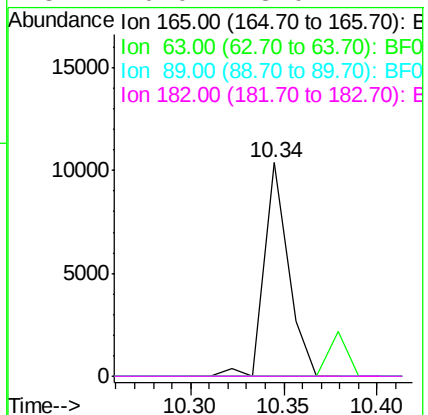
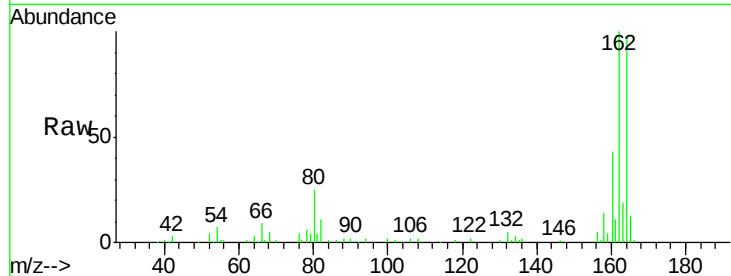
ClientSampleId :

SP-1(0-2)

Tgt Ion	Ratio	Resp Lower	Upper
165	100		9205
63	0.0	29.8	44.6#
89	0.0	44.5	66.7#
182	0.0	3.0	4.4#

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#57

Fluorene

Concen: 2.63 ng

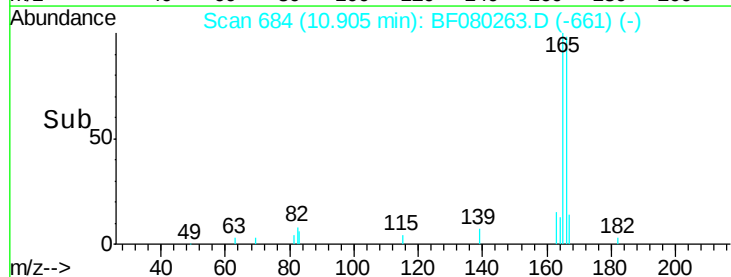
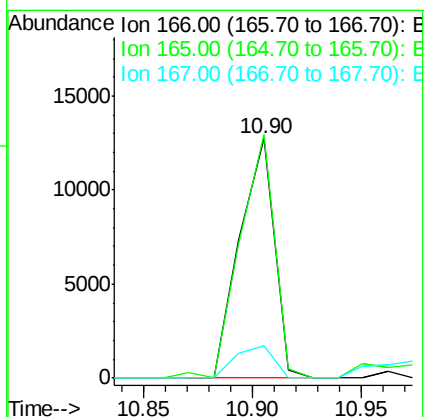
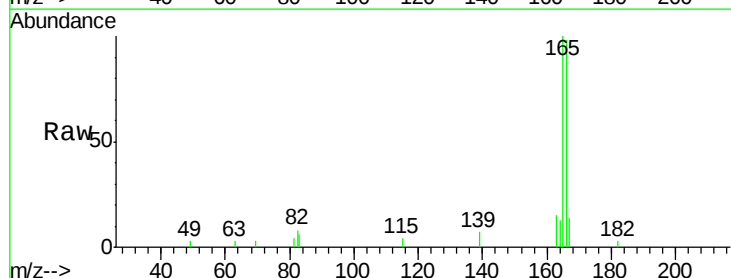
RT: 10.90 min Scan# 684

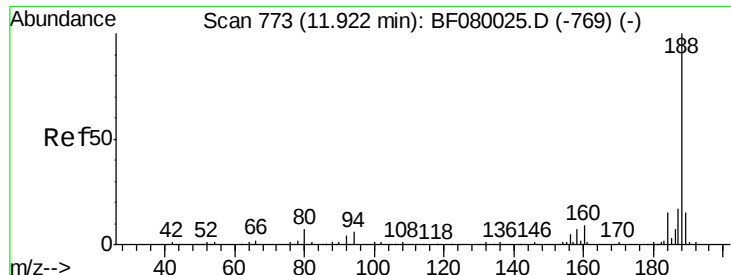
Delta R.T. -0.03 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp Lower	Upper
166	100		14058
165	101.6	72.6	109.0
167	13.7	10.6	16.0





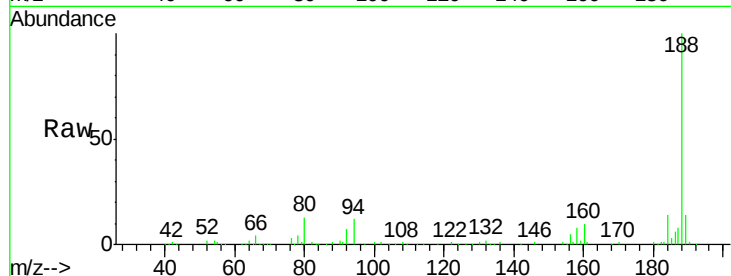
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

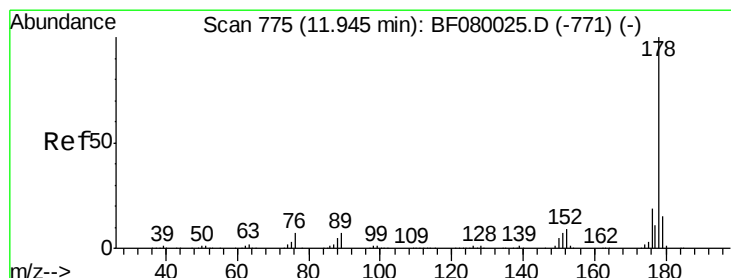
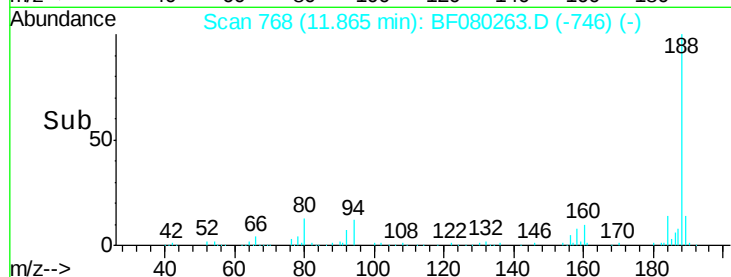
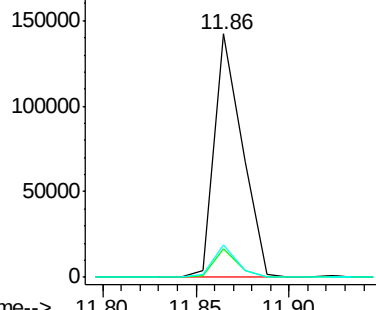
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.6	11.1	16.7
80	13.4	11.0	16.4

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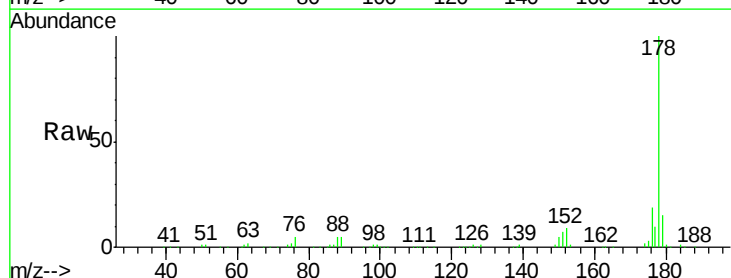


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

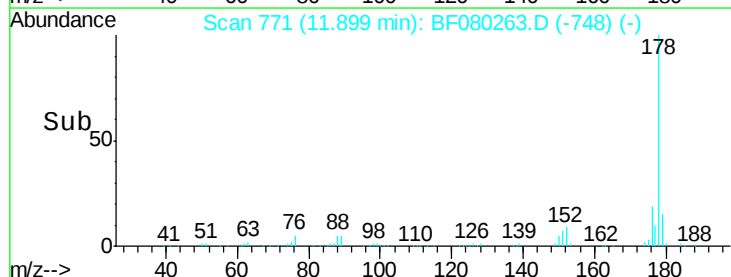
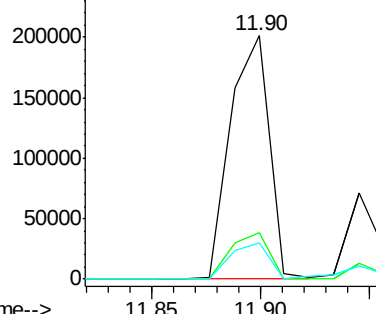


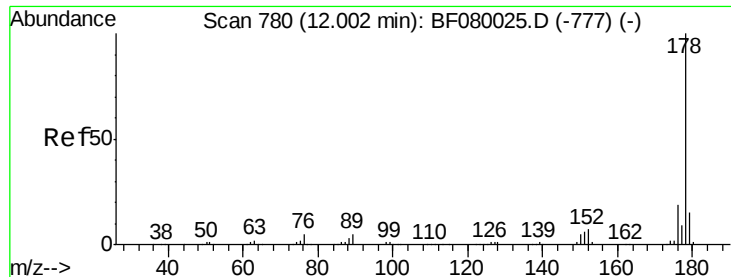
#70
Phenanthrene
Concen: 28.16 ng
RT: 11.90 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	13.8	20.8
179	15.0	12.2	18.2



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





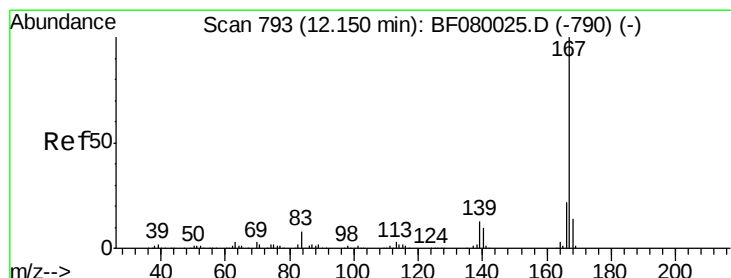
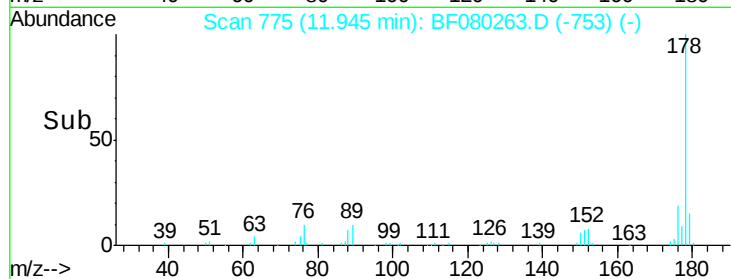
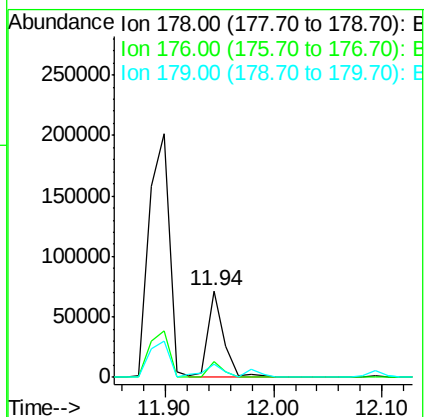
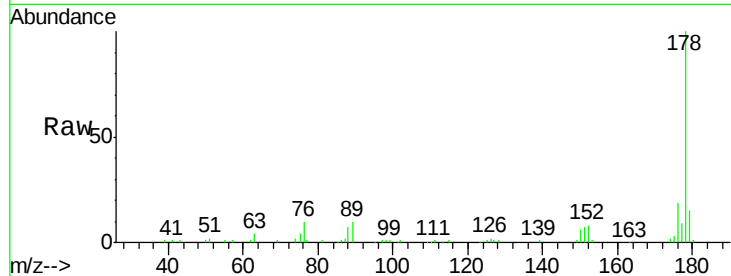
#71
 Anthracene
 Concen: 8.56 ng
 RT: 11.94 min Scan# 775
 Delta R.T. -0.05 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.1	21.1
179	14.7	12.2	18.2

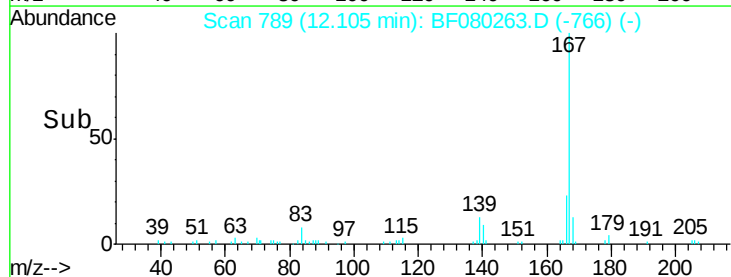
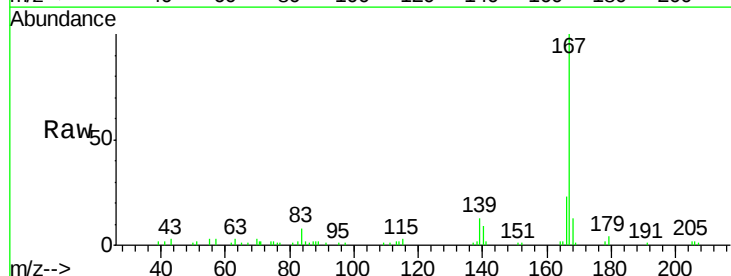
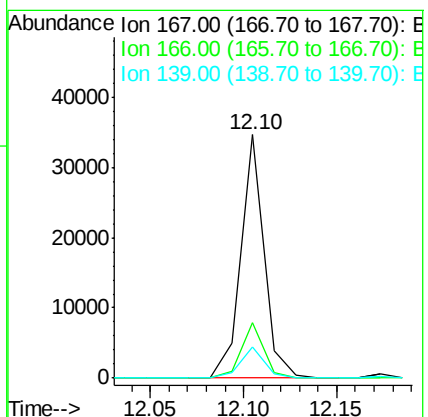
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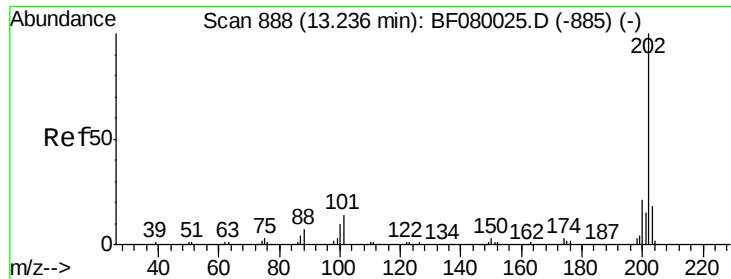
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#72
 Carbazole
 Concen: 3.66 ng
 RT: 12.10 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	15.7	23.5
139	12.9	9.5	14.3





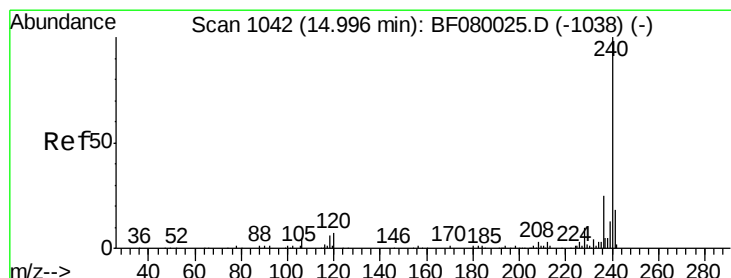
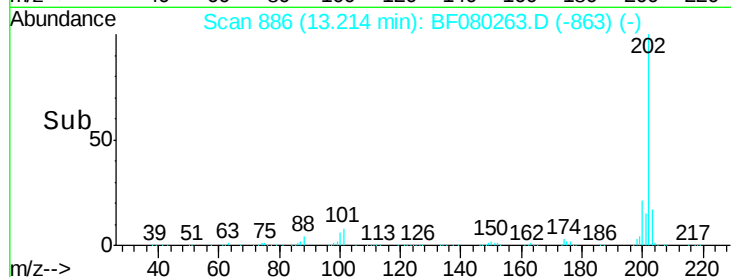
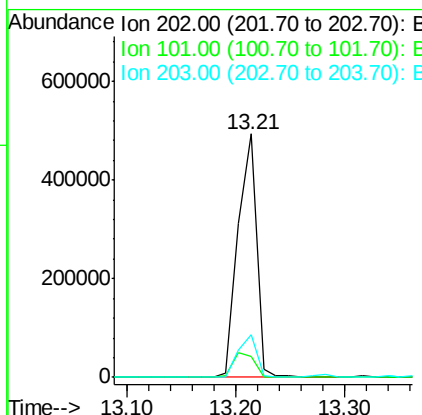
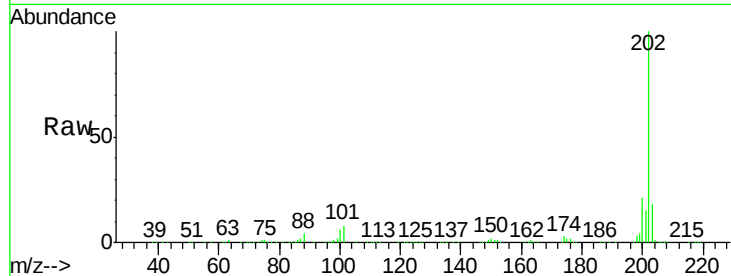
#74
 Fluoranthene
 Concen: 60.46 ng
 RT: 13.21 min Scan# 886
 Delta R.T. -0.03 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.4	0.0	38.3
203	17.6	0.0	37.3

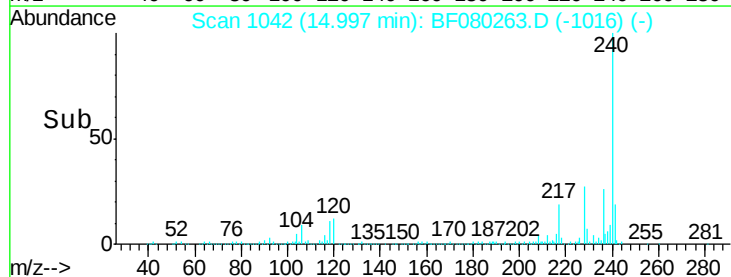
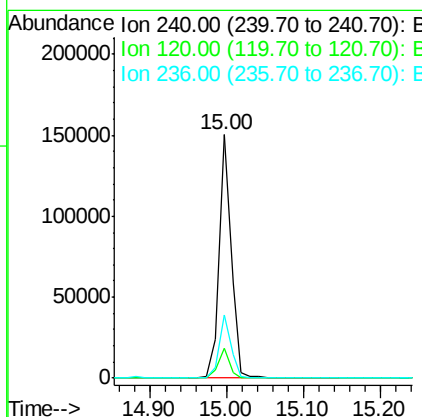
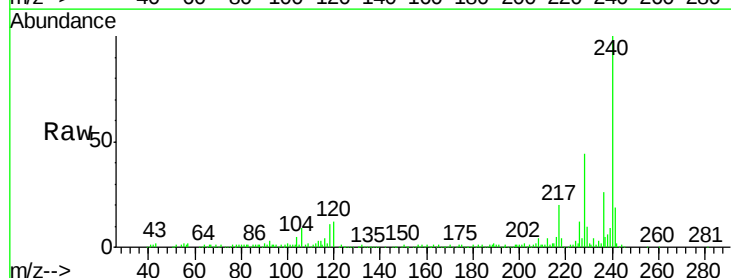
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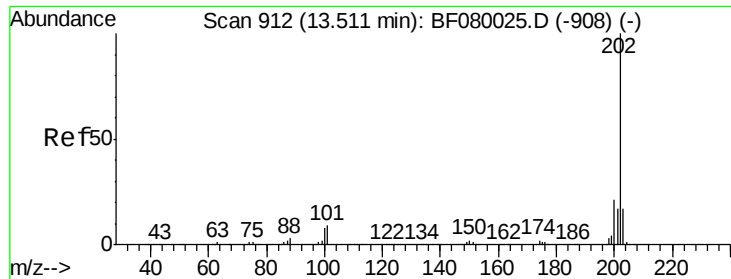
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.00 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.2	16.2	24.2#
236	25.8	18.4	27.6





#77

Pyrene

Concen: 51.48 ng

RT: 13.48 min Scan# 909

Delta R.T. -0.03 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Instrument :

BNA_F

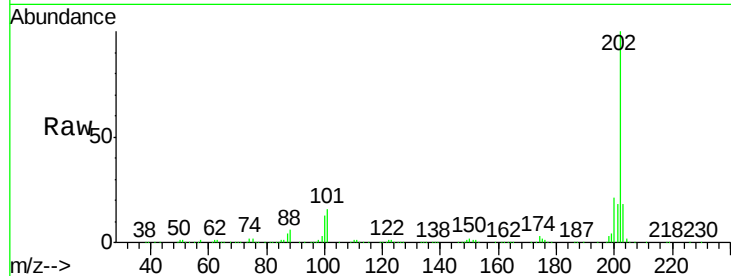
ClientSampleId :

SP-1(0-2)

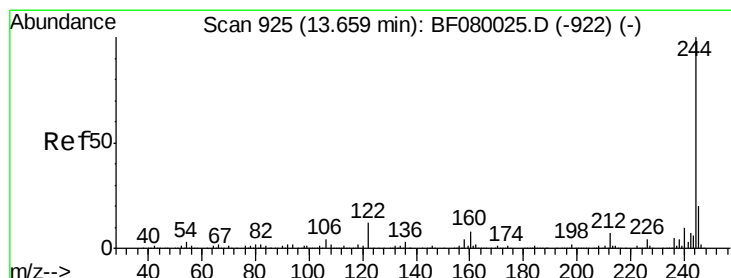
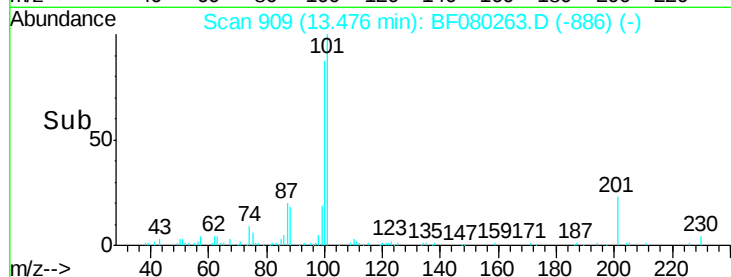
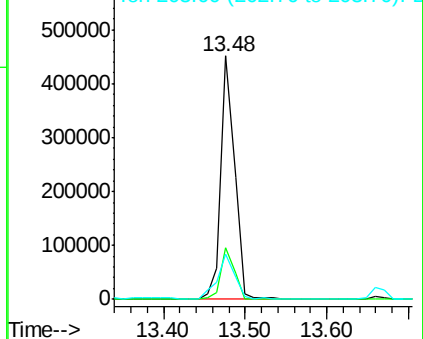
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		523826		
200	21.4	15.0	22.4		
203	18.3	14.1	21.1		

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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: 17.32 ng

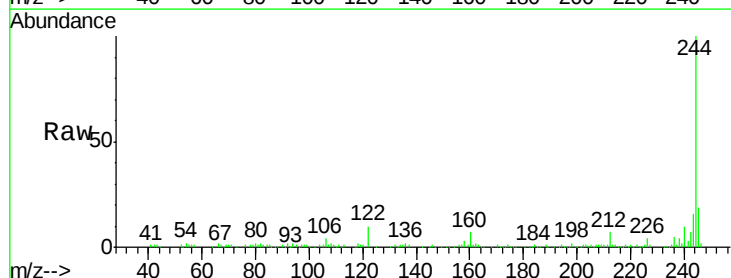
RT: 13.64 min Scan# 923

Delta R.T. -0.03 min

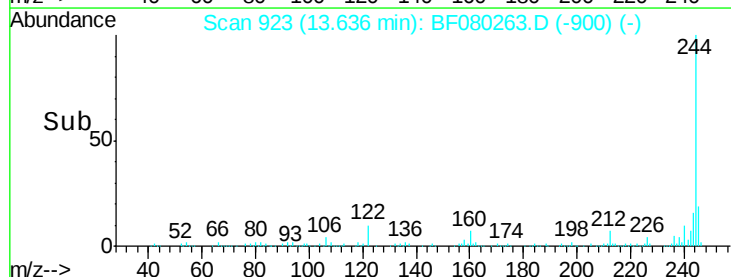
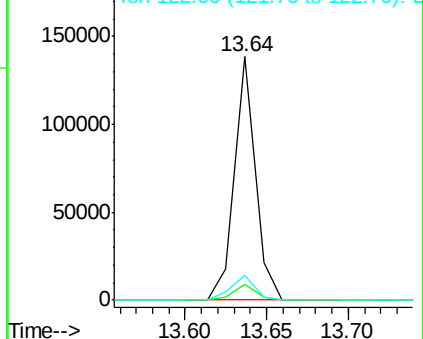
Lab File: BF080263.D

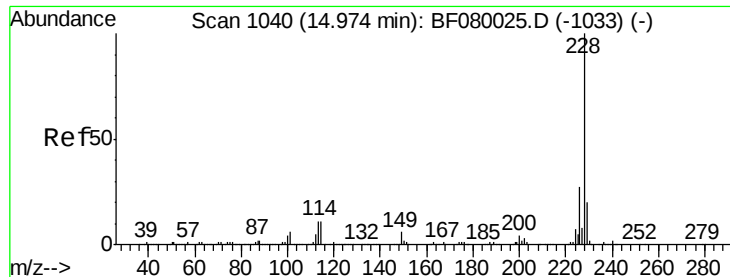
Acq: 1 Jul 2015 7:53

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		122570		
212	6.7	4.3	6.5#		
122	10.4	17.4	26.2#		



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





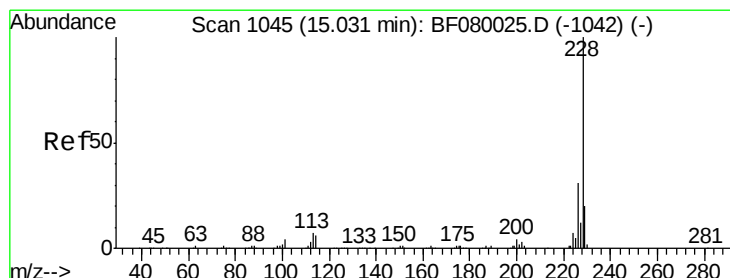
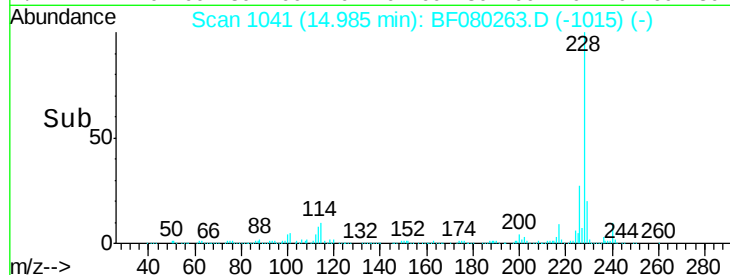
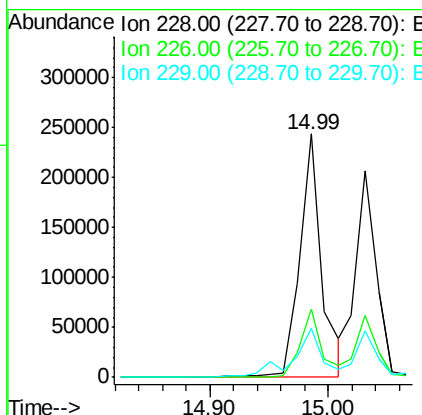
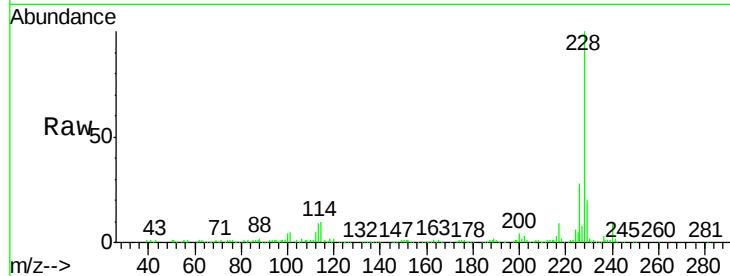
#80
Benzo(a)anthracene
Concen: 30.91 ng
RT: 14.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	20.0	30.0
229	20.4	15.4	23.2

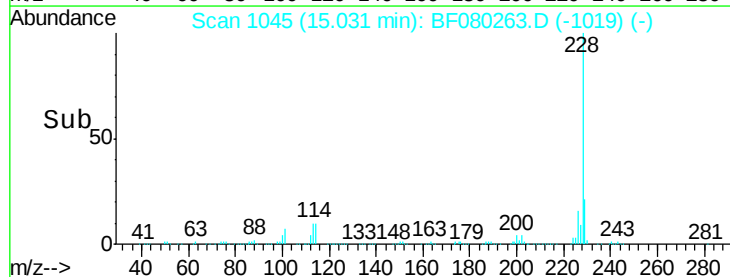
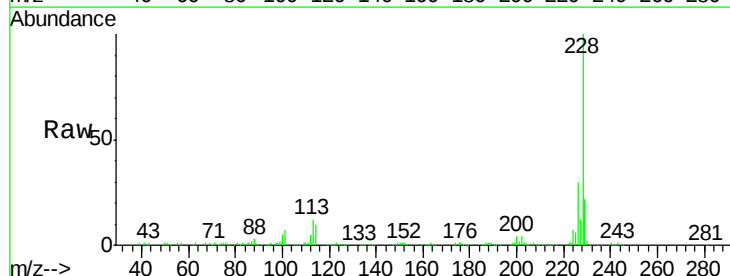
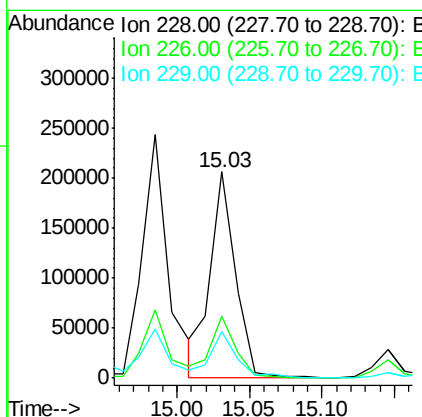
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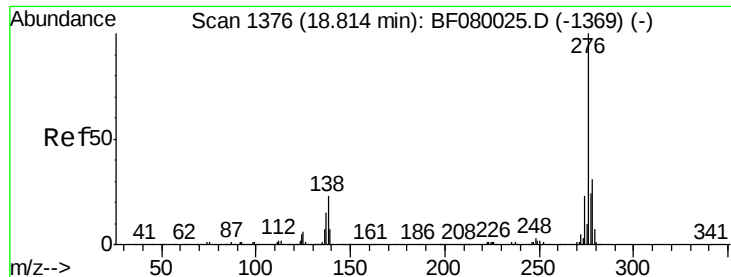
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#82
Chrysene
Concen: 26.79 ng
RT: 15.03 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.0	31.4
229	22.4	15.6	23.4





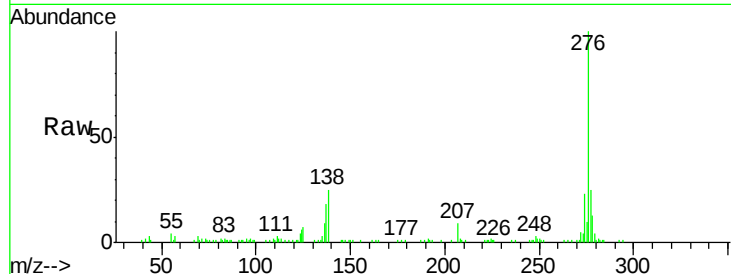
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.63 ng
 RT: 18.81 min Scan# 1376
 Delta R.T. 0.02 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

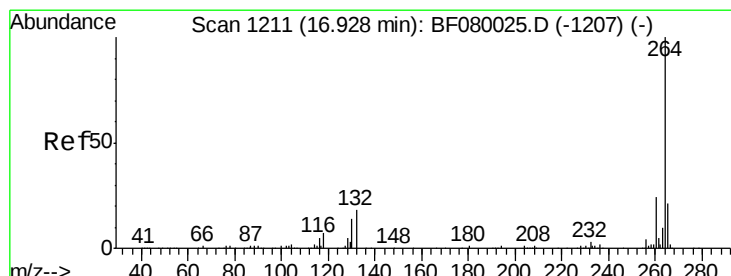
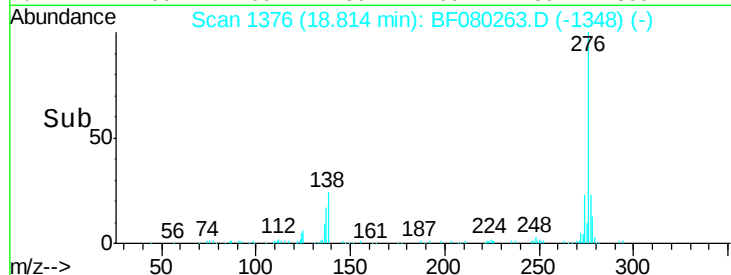
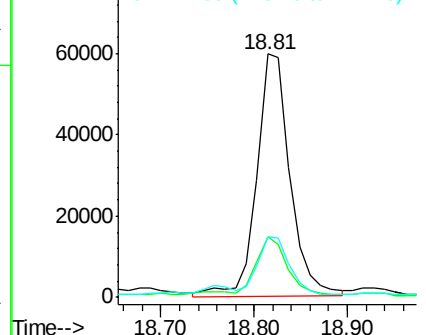
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.7	38.5
277	24.0	15.6	23.4

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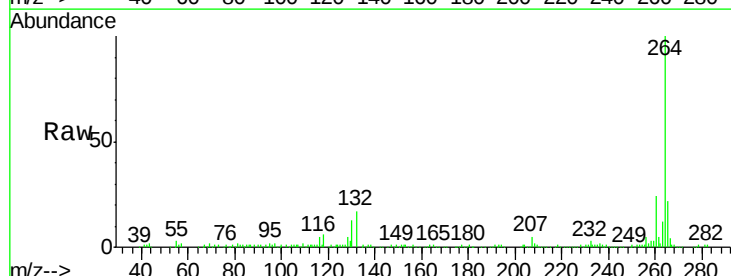


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

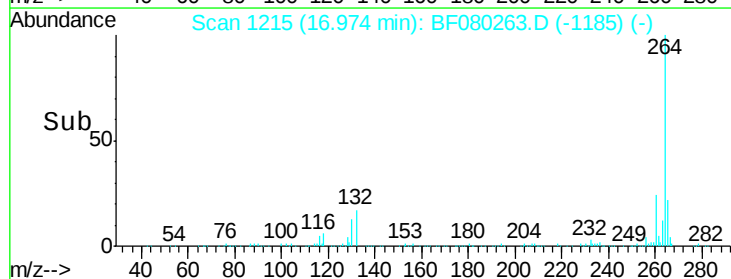
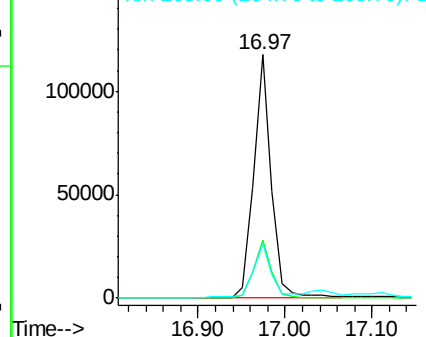


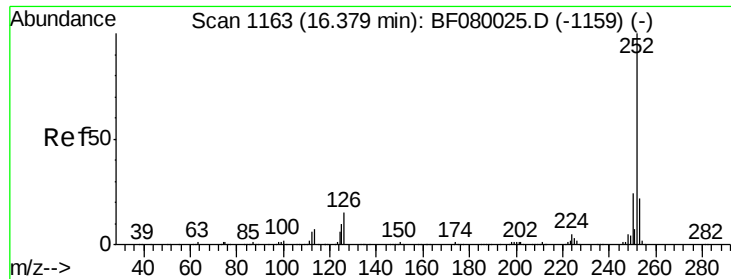
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.97 min Scan# 1215
 Delta R.T. 0.05 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	25.1
265	22.1	17.2	25.8



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: 45.23 ng

RT: 16.44 min Scan# 1168

Delta R.T. 0.05 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Instrument :

BNA_F

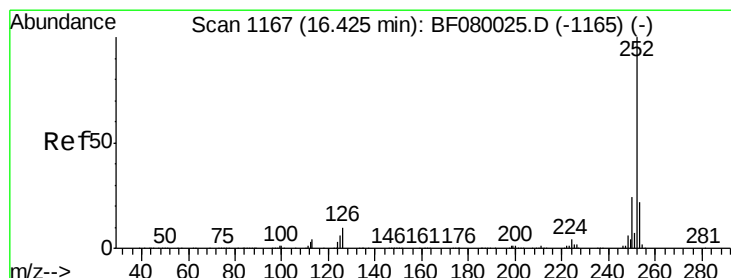
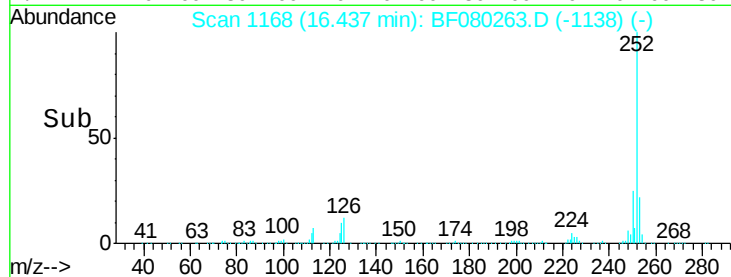
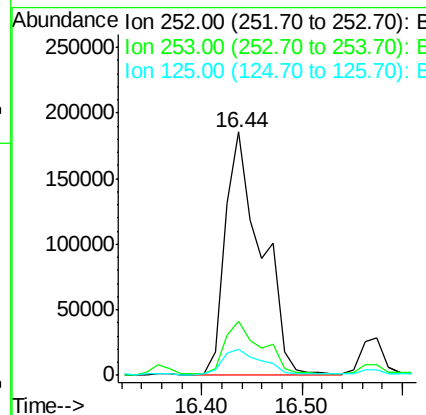
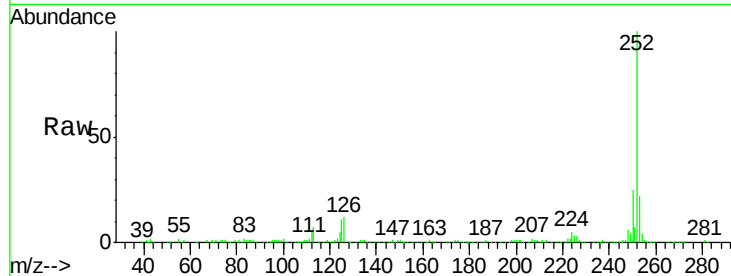
ClientSampleId :

SP-1(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.6	17.1	25.7#

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#88

Benzo(k)fluoranthene

Concen: 44.42 ng

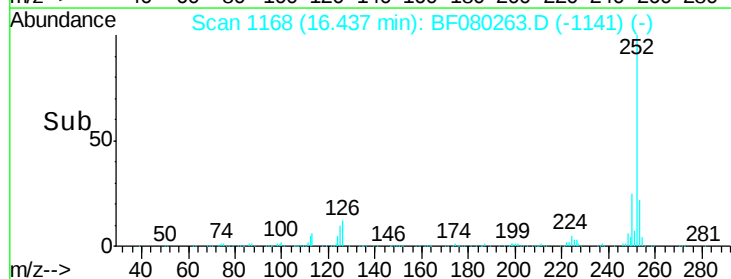
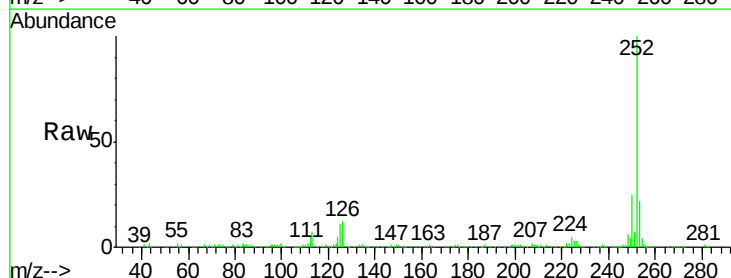
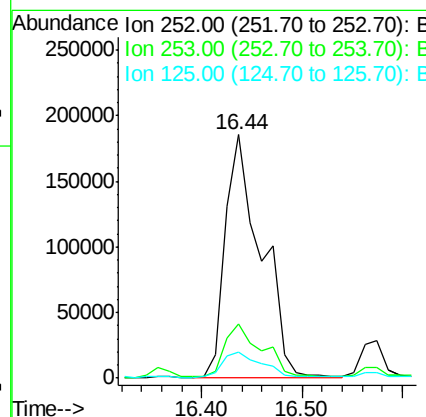
RT: 16.44 min Scan# 1168

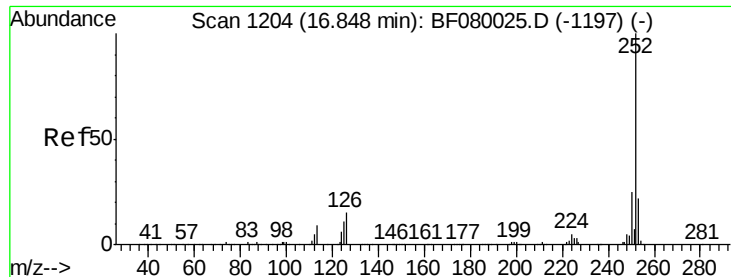
Delta R.T. 0.01 min

Lab File: BF080263.D

Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	10.6	16.0	24.0#





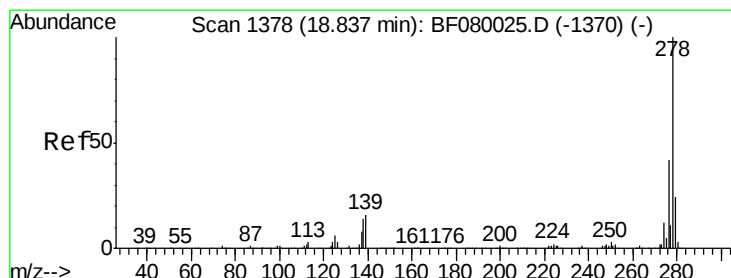
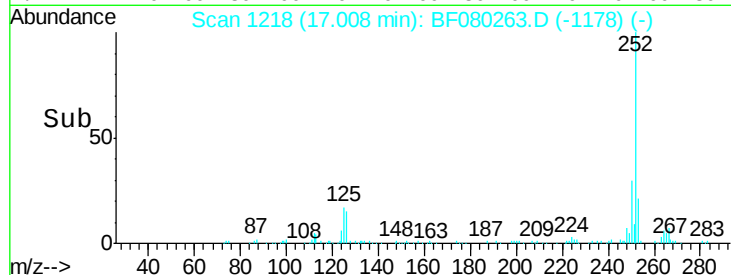
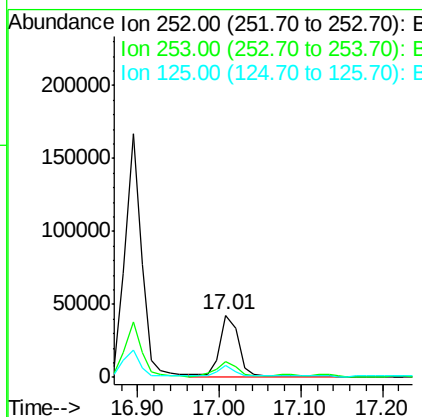
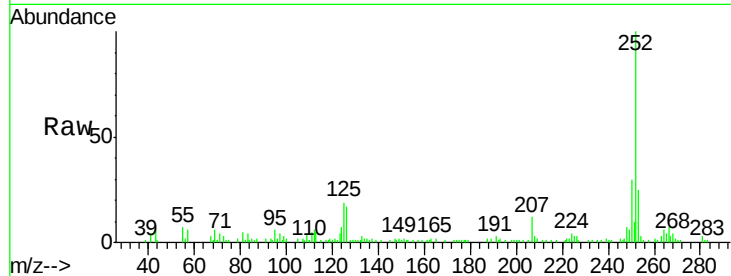
#89
Benzo(a)pyrene
Concen: 7.08 ng
RT: 17.01 min Scan# 1218
Delta R.T. 0.16 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Instrument :
BNA_F
ClientSampleId :
SP-1(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	68222		
253	24.8	17.2	25.8	
125	18.6	18.0	27.0	

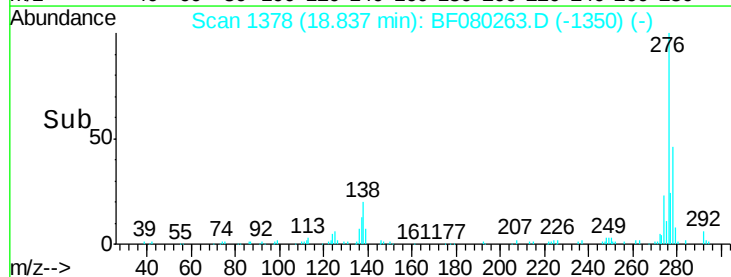
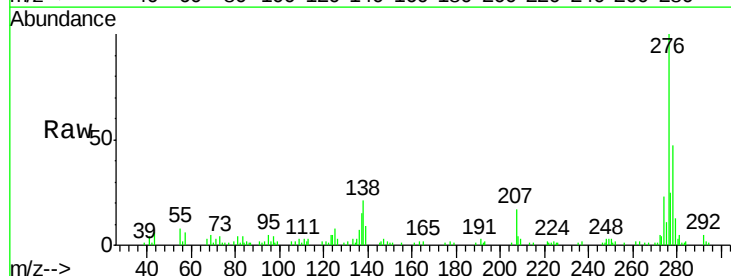
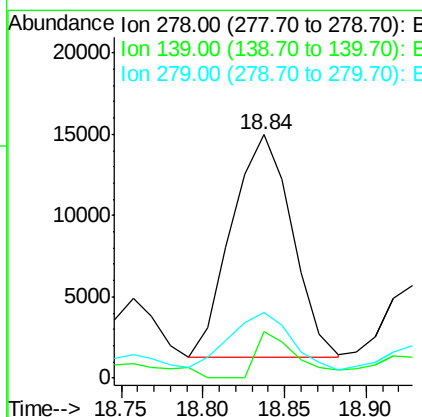
Manual Integrations
APPROVED

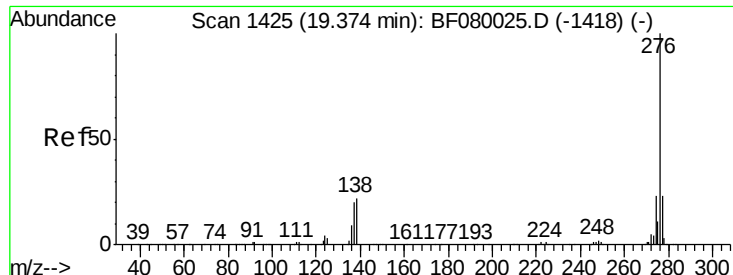
apatel
7/1/2015 4:18:08 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.56 ng
RT: 18.84 min Scan# 1378
Delta R.T. 0.02 min
Lab File: BF080263.D
Acq: 1 Jul 2015 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	35069		
139	19.0	26.3	39.5#	
279	26.8	18.2	27.4	





#91
 Benzo(g,h,i)perylene
 Concen: 13.87 ng
 RT: 19.37 min Scan# 1425
 Delta R.T. 0.02 min
 Lab File: BF080263.D
 Acq: 1 Jul 2015 7:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-1(0-2)

Tgt Ion:	276	Resp:	138047
Ion Ratio		Lower	Upper
276	100		
277	24.4	17.8	26.6
138	23.7	34.6	51.8#

Manual Integrations
 APPROVED

apatel
 7/1/2015 4:18:08 PM

