

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081604.D
 Acq On : 14 Sep 2015 12:44
 Operator : UM/IZ
 Sample : G3511-07DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Manual Integrations
 APPROVED

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 9/14/2015 3:12:43 PM

Quant Time: Sep 14 14:11:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 14 13:51:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	51127	20.00	ng	0.00
21) Naphthalene-d8	11.12	136	214806	20.00	ng	-0.01
38) Acenaphthene-d10	15.26	164	100911	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	210173	20.00	ng	-0.01
75) Chrysene-d12	23.38	240	153199	20.00	ng	-0.01
86) Perylene-d12	24.82	264	113827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	159026	48.26	ng	0.01
7) Phenol-d6	7.65	99	227581	52.17	ng	-0.01
23) Nitrobenzene-d5	9.52	82	148910	33.45	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	43368	48.27	ng	-0.02
44) 2-Fluorobiphenyl	13.76	172	212675	27.01	ng	-0.02
78) Terphenyl-d14	22.10	244	161139	24.48	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.82	163	64835	8.27	ng	# 95
70) Phenanthrene	18.81	178	135562	11.60	ng	98
71) Anthracene	18.94	178	28757	2.40	ng	99
74) Fluoranthene	21.43	202	409598	32.38	ng	90
77) Pyrene	21.78	202	394703	34.78	ng	# 94
80) Benzo(a)anthracene	23.37	228	292924	30.02	ng	95
82) Chrysene	23.42	228	276842	31.65	ng	93
85) Indeno(1,2,3-cd)pyrene	25.88	276	187118	29.16	ng	# 82
87) Benzo(b)fluoranthene	24.49	252	367065m	45.17	ng	
88) Benzo(k)fluoranthene	24.49	252	150804m	22.36	ng	
89) Benzo(a)pyrene	24.78	252	274742	39.90	ng	# 82
90) Dibenzo(a,h)anthracene	25.88	278	60046	11.28	ng	# 63
91) Benzo(g,h,i)perylene	26.19	276	180810	35.60	ng	# 70

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

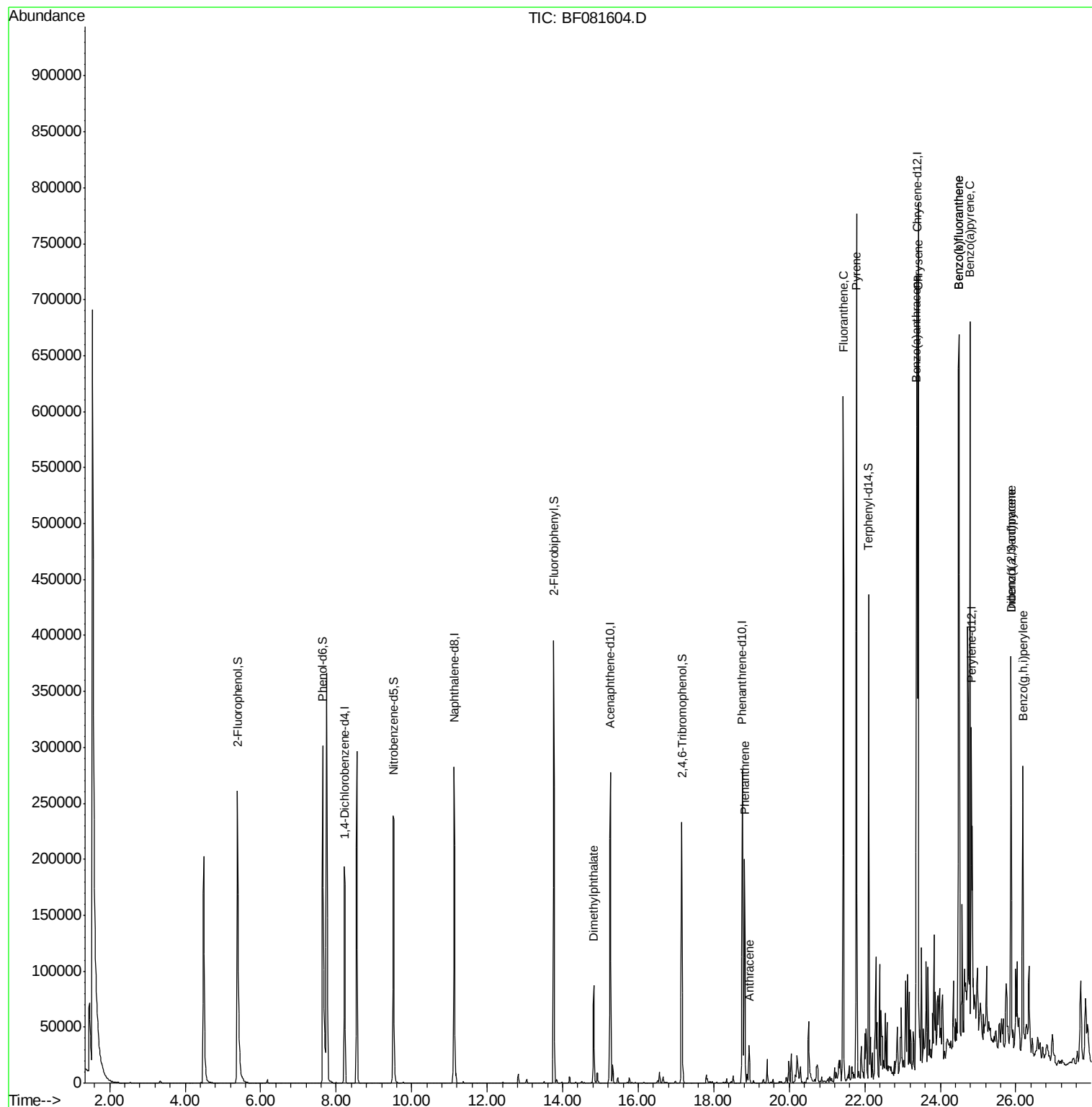
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
Data File : BF081604.D
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ALS Vial : 4 Sample Multiplier: 1

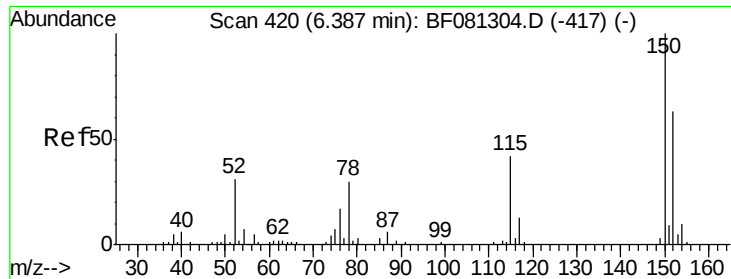
Instrument :
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ClientSampleId :
SB-04(0-0.16)DL

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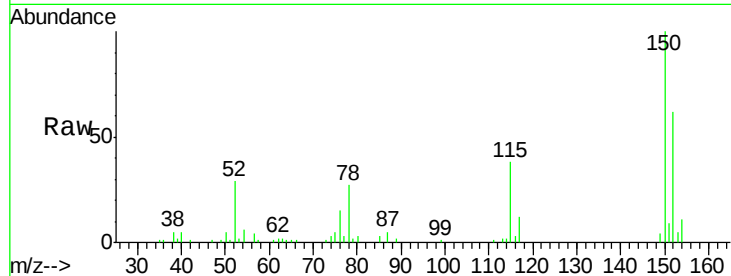




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.23 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF081604.D
Acq: 14 Sep 2015 12:44

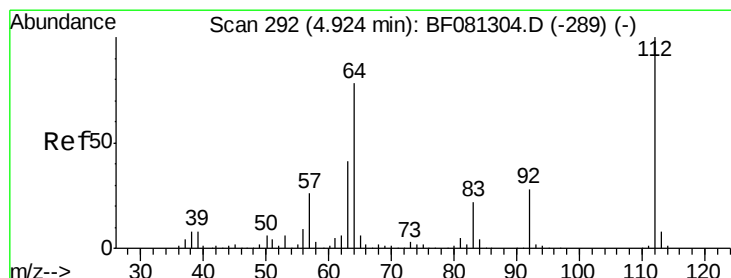
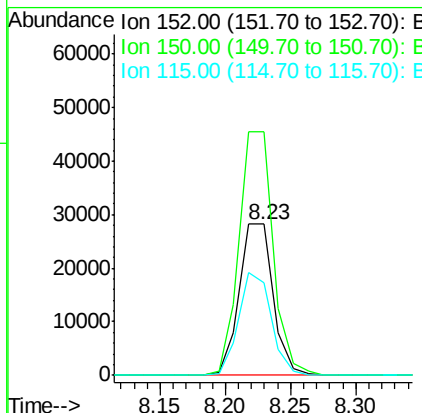
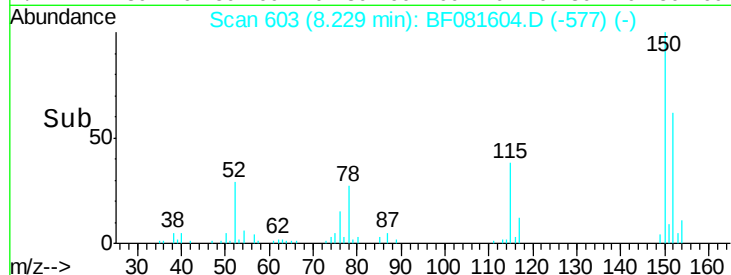
Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.7	187.1
115	61.5	39.0	58.4#

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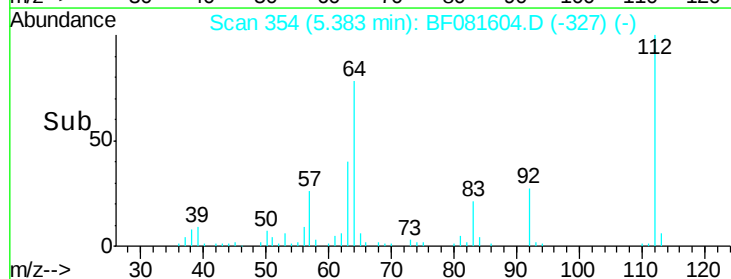
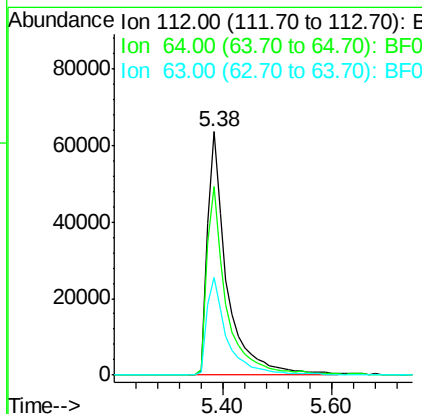
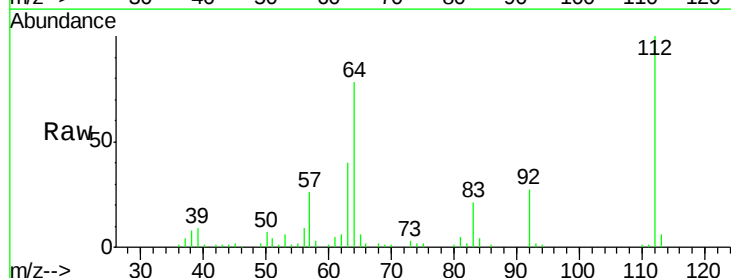
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#5

2-Fluorophenol
Concen: 48.26 ng
RT: 5.38 min Scan# 354
Delta R.T. 0.01 min
Lab File: BF081604.D
Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.6	39.7	59.5#
63	39.9	17.4	26.0#





#7

Phenol-d6

Concen: 52.17 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF081604.D

Acq: 14 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

SB-04(0-0.16)DL

Tgt Ion: 99 Resp: 227581

Ion Ratio Lower Upper

99 100

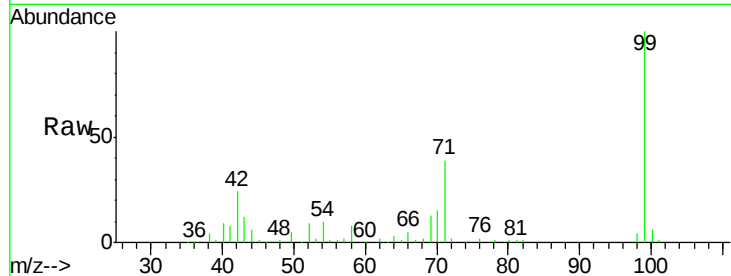
42 24.0 13.7 20.5#

71 38.9 14.2 21.2#

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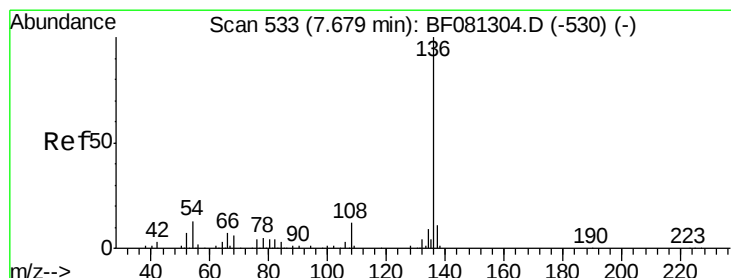
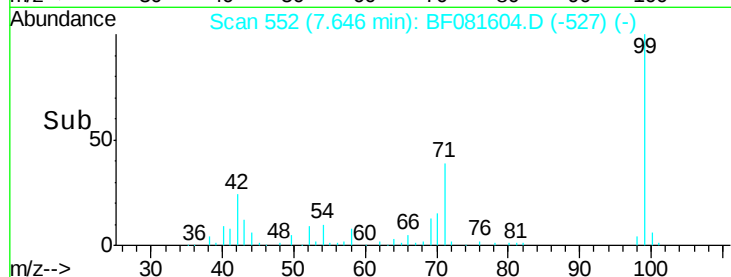
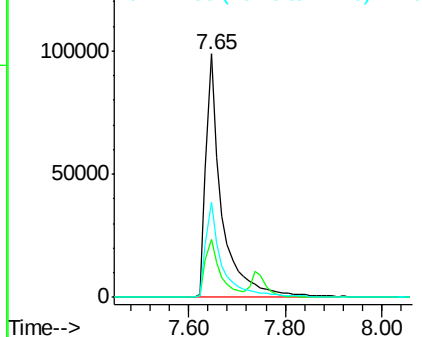
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF081604.D

Acq: 14 Sep 2015 12:44

Tgt Ion: 136 Resp: 214806

Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 11.9 8.2 12.2

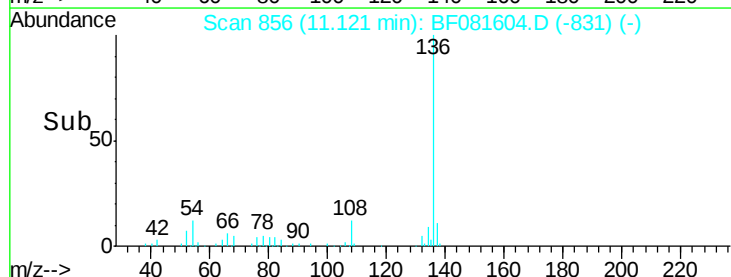
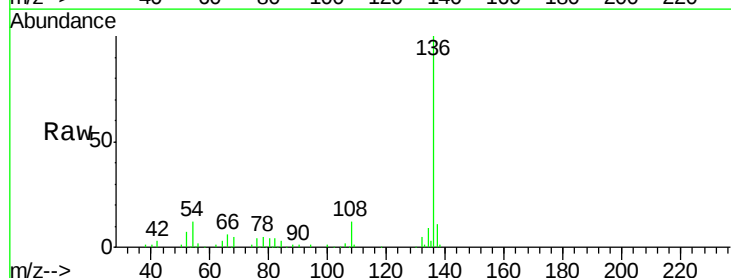
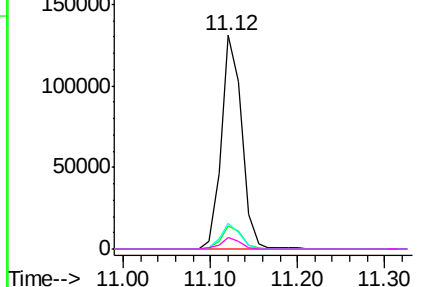
68 5.1 5.8 8.6#

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





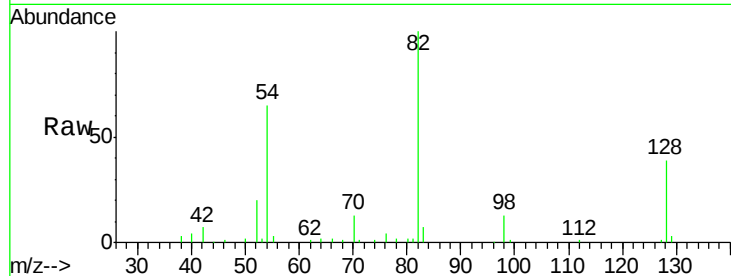
#23
 Nitrobenzene-d5
 Concen: 33.45 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleID :
 SB-04(0-0.16)DL

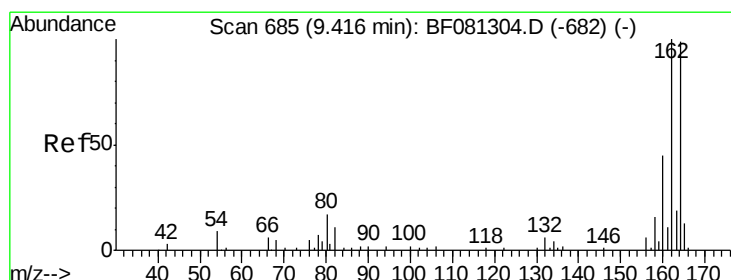
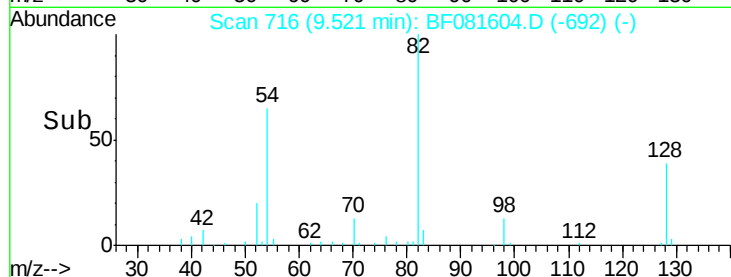
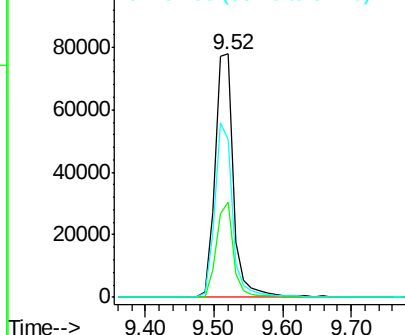
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	148910		
128	39.1	51.0	76.6#	
54	64.6	47.5	71.3	

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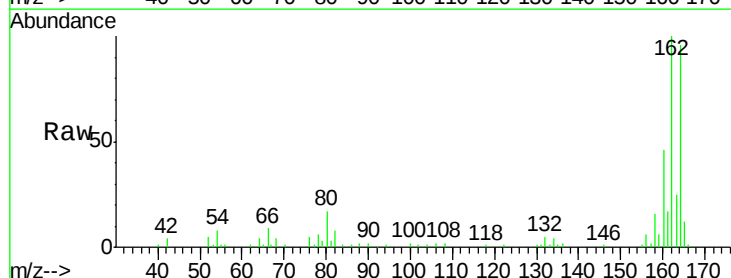


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

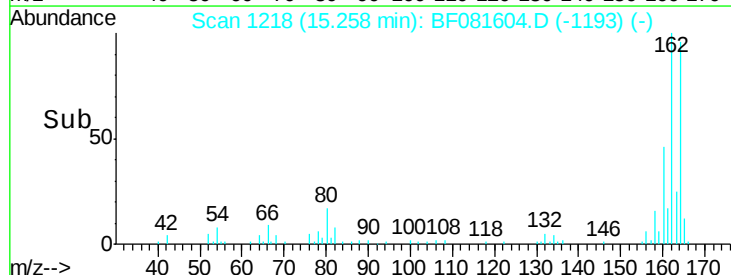
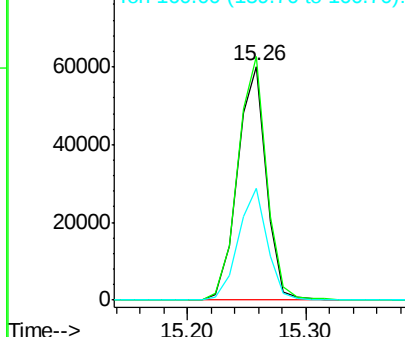


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.26 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100911		
162	104.2	75.2	112.8	
160	47.8	31.5	47.3#	



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





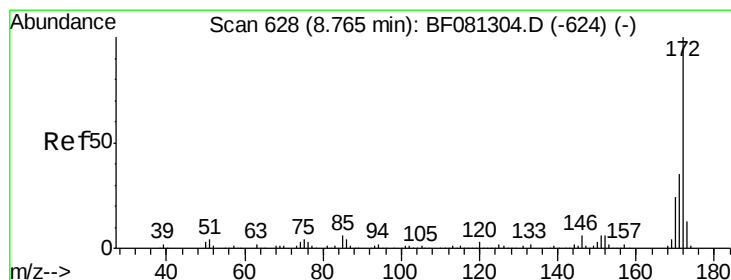
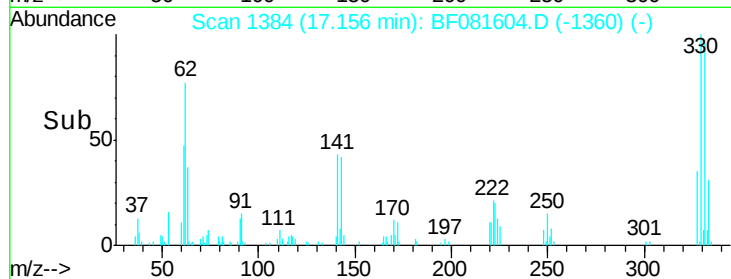
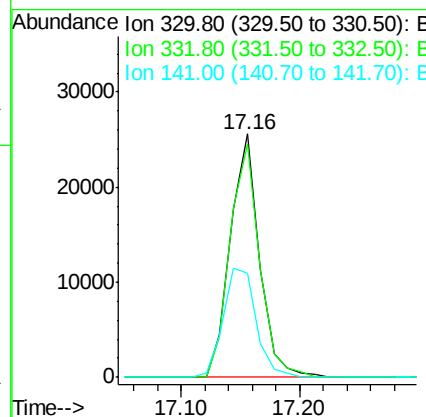
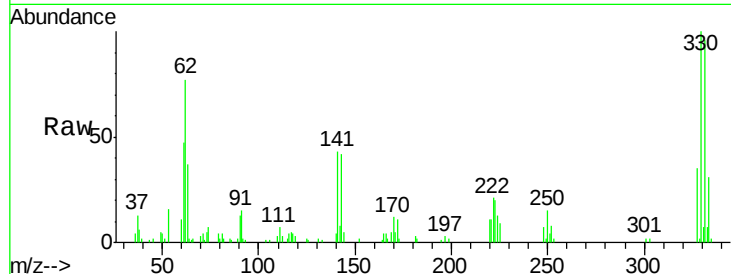
#41
 2,4,6-Tribromophenol
 Concen: 48.27 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	114.8
141	50.8	29.7	44.5#

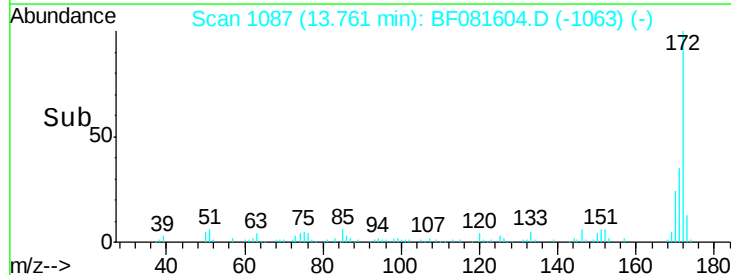
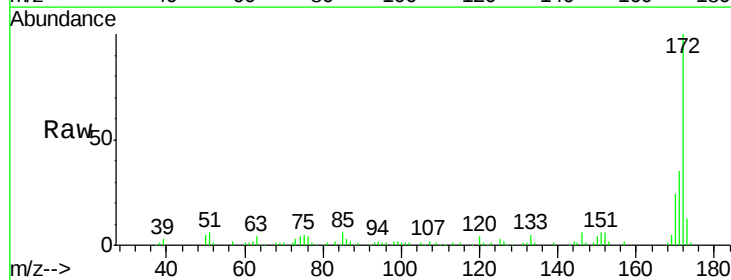
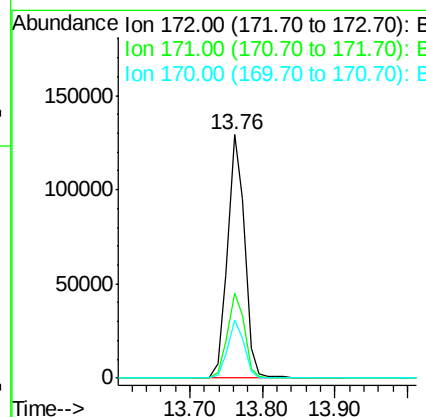
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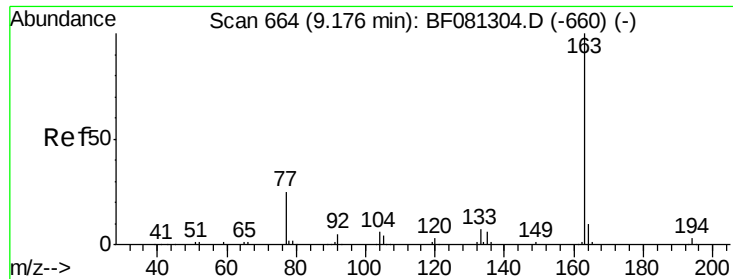
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#44
 2-Fluorobiphenyl
 Concen: 27.01 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	26.1	39.1
170	23.9	17.4	26.2





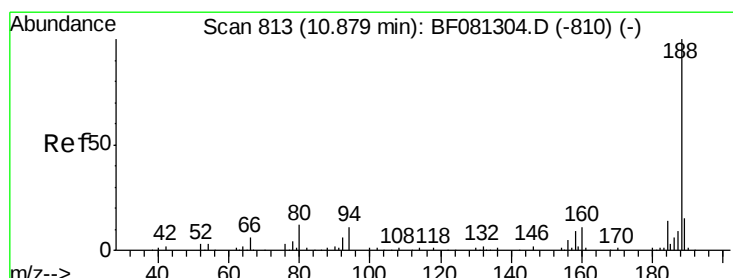
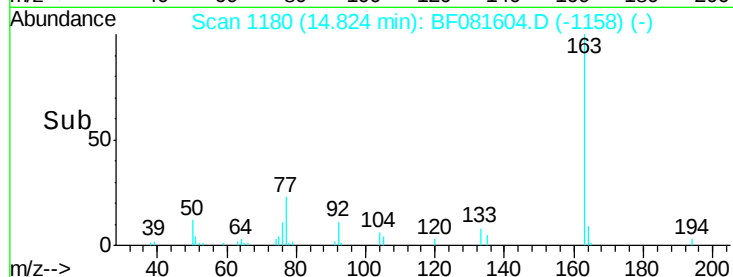
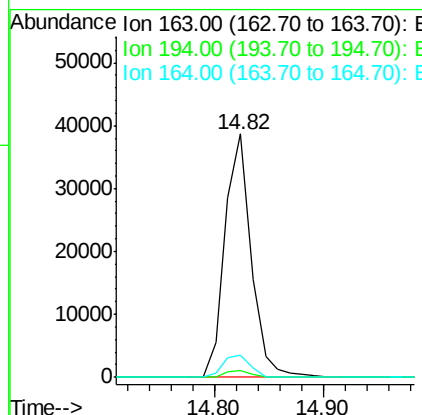
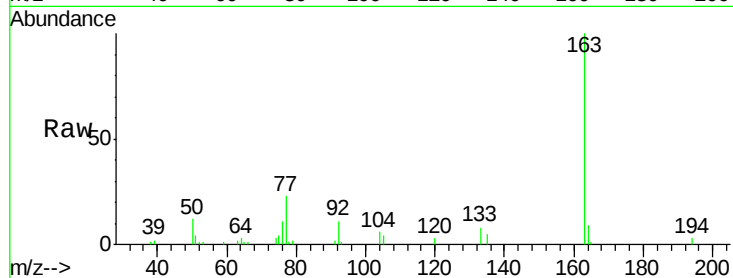
#49
Dimethylphthalate
Concen: 8.27 ng
RT: 14.82 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BF081604.D
Acq: 14 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
SB-04(0-0.16)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	2.9	4.4	6.6#
164	9.2	8.3	12.5

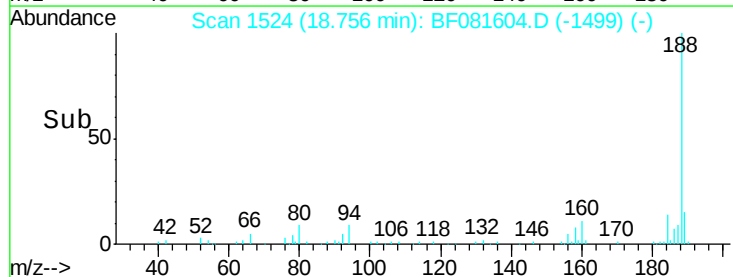
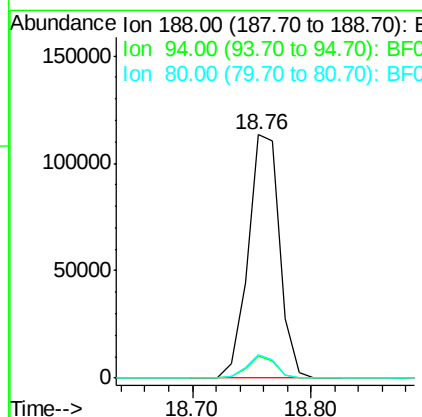
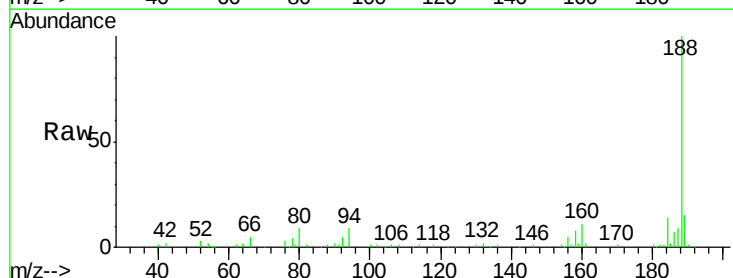
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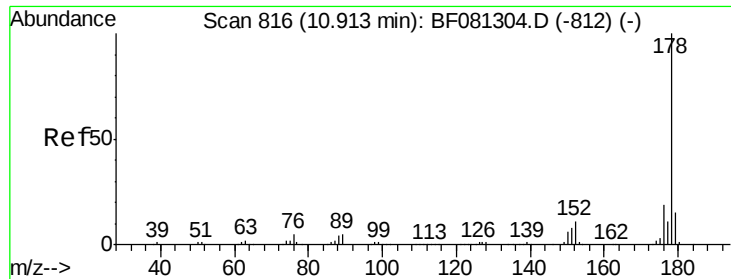
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.76 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF081604.D
Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	11.1	16.7#
80	9.4	11.0	16.4#





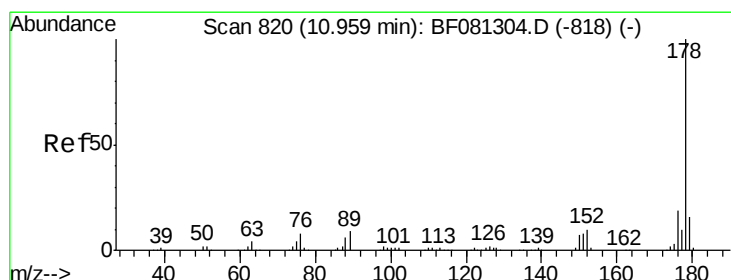
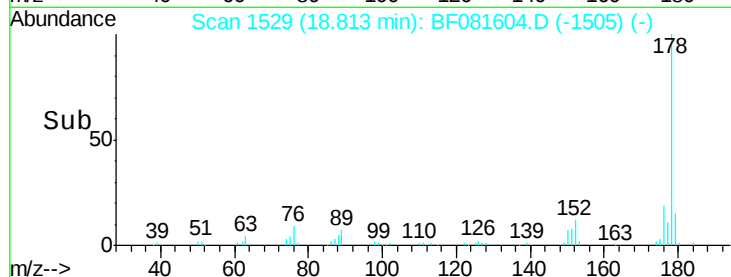
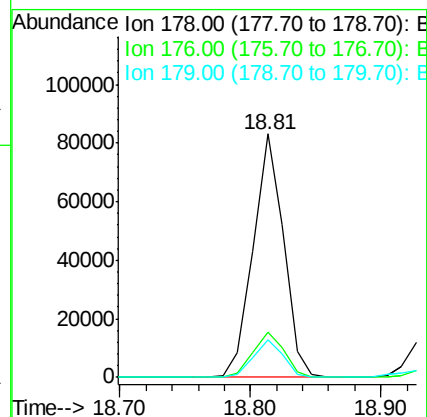
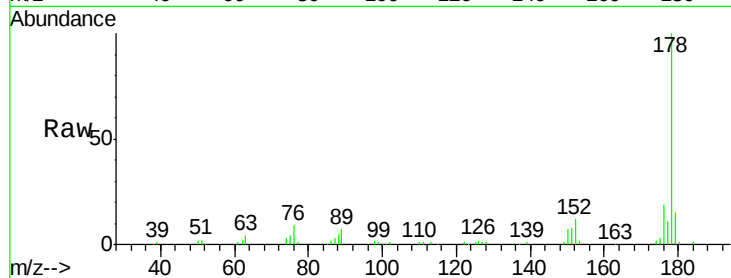
#70
 Phenanthrene
 Concen: 11.60 ng
 RT: 18.81 min Scan# 1529
 Delta R.T. -0.02 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	135562		
176	18.8		13.8	20.8
179	15.3		12.2	18.2

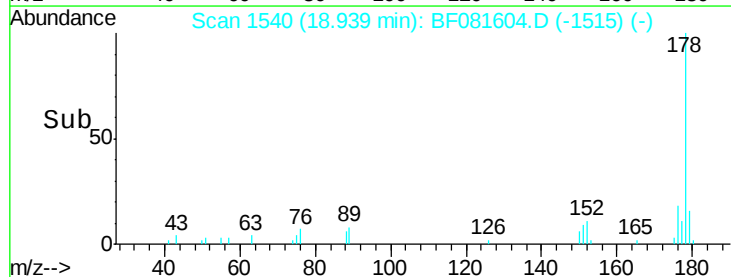
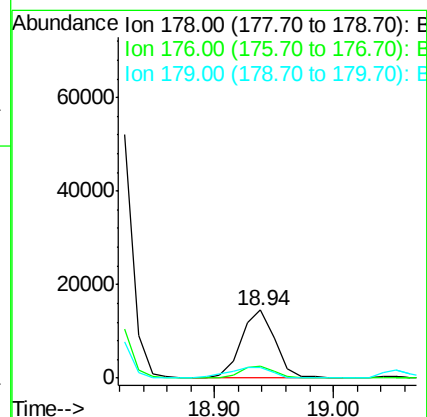
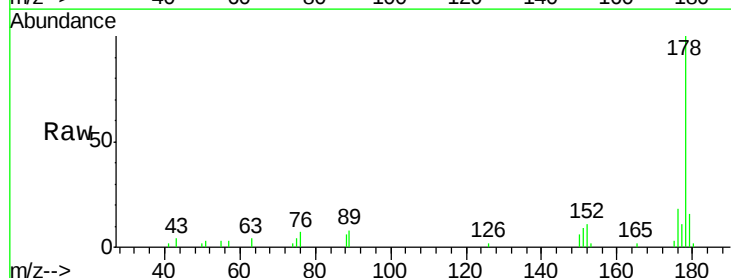
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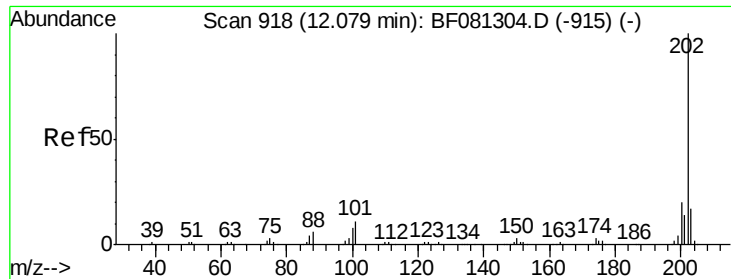
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#71
 Anthracene
 Concen: 2.40 ng
 RT: 18.94 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	28757		
176	18.1		14.1	21.1
179	15.6		12.2	18.2





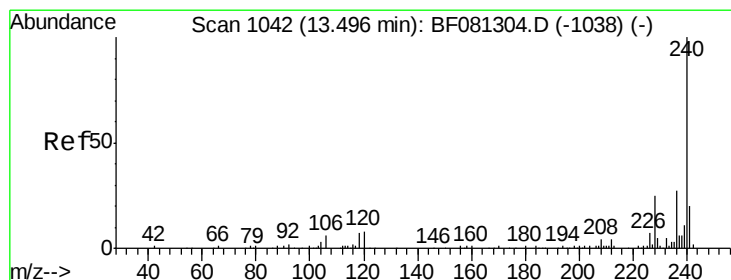
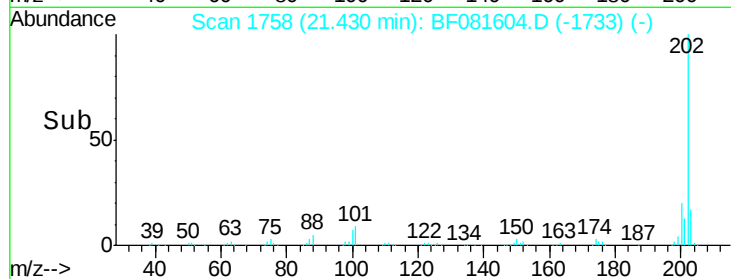
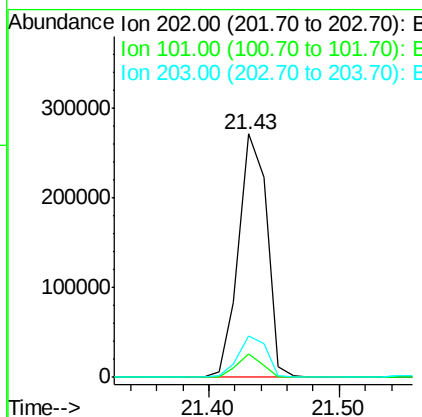
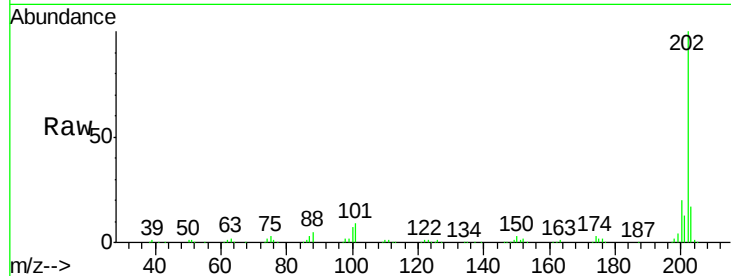
#74
 Fluoranthene
 Concen: 32.38 ng
 RT: 21.43 min Scan# 1758
 Delta R.T. -0.01 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	409598		
101	9.4	0.0	38.3	
203	17.2	0.0	37.3	

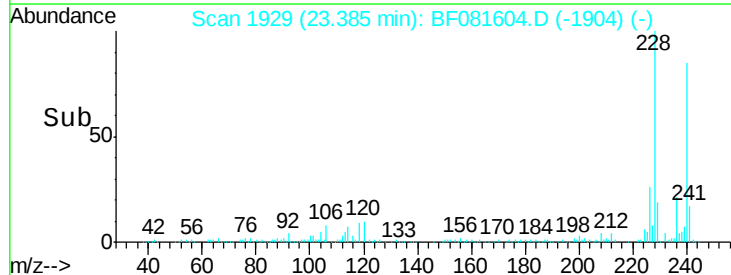
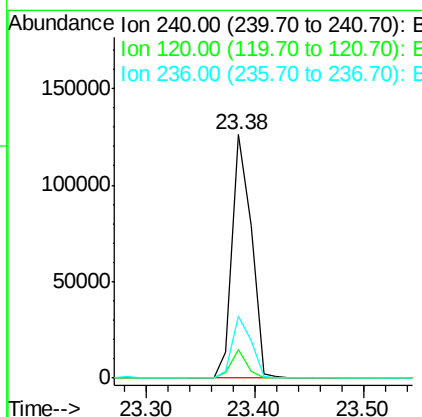
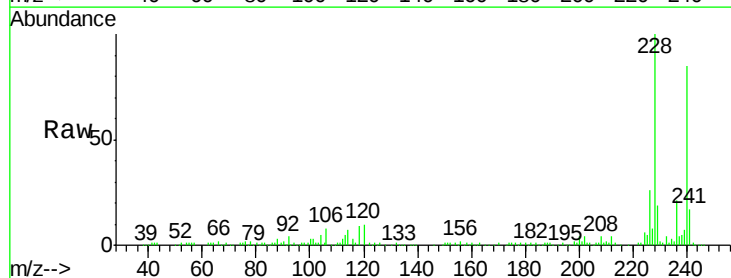
Manual Integrations
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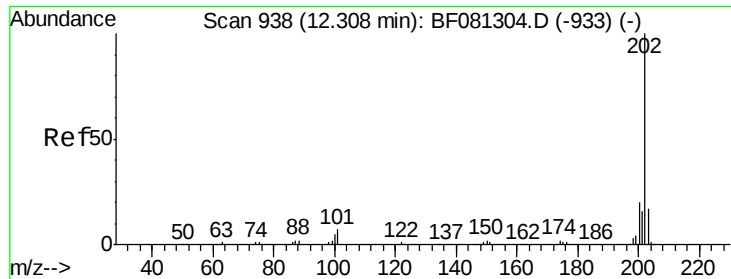
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.38 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	153199		
120	11.8	16.2	24.2#	
236	25.3	18.4	27.6	





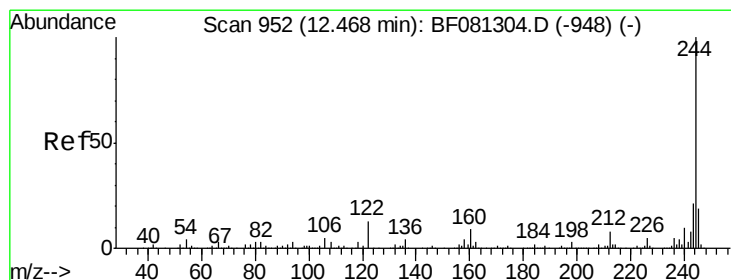
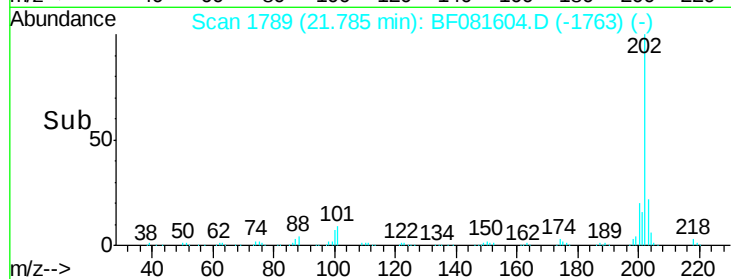
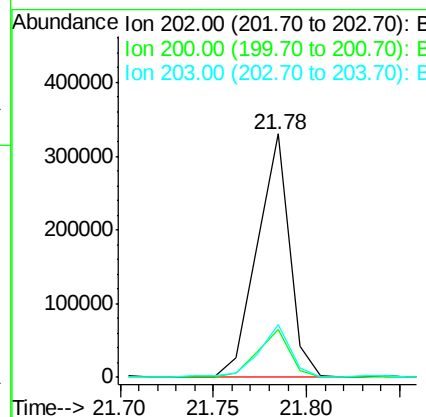
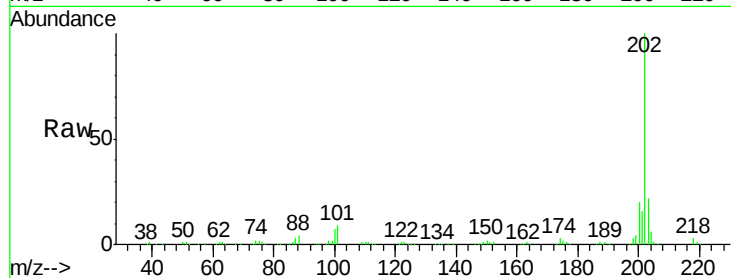
#77
 Pyrene
 Concen: 34.78 ng
 RT: 21.78 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.0	22.4
203	21.6	14.1	21.1#

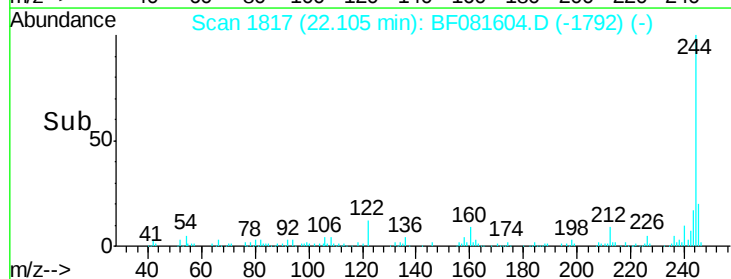
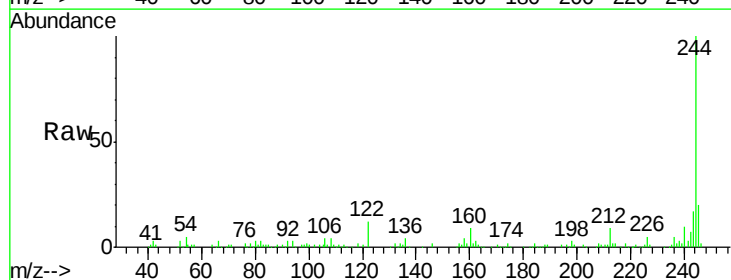
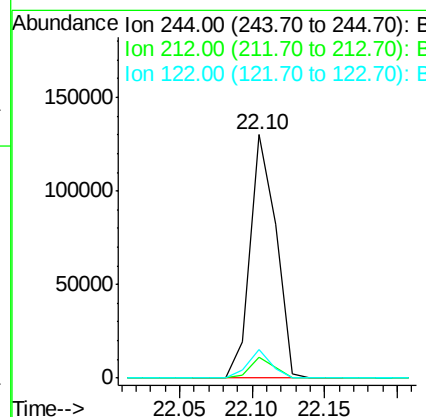
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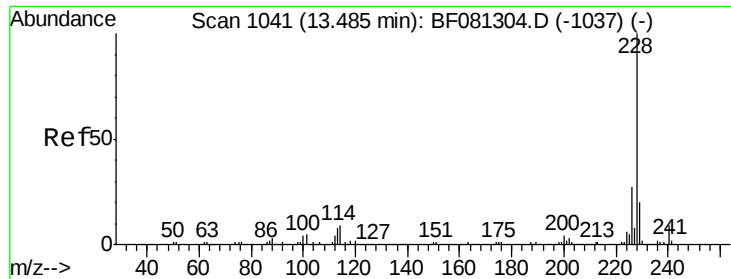
MMDadoda
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#78
 Terphenyl-d14
 Concen: 24.48 ng
 RT: 22.10 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.6	4.3	6.5#
122	11.9	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 30.02 ng

RT: 23.37 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BF081604.D

Acq: 14 Sep 2015 12:44

Instrument :

BNA_F

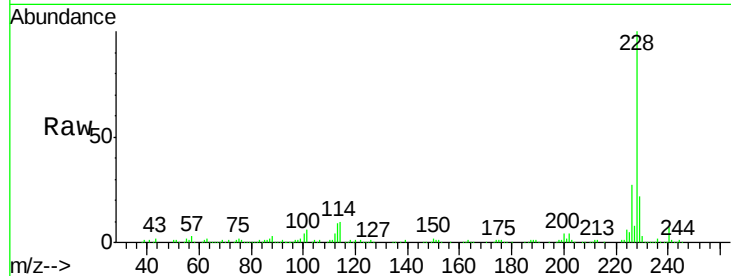
ClientSampleId :

SB-04(0-0.16)DL

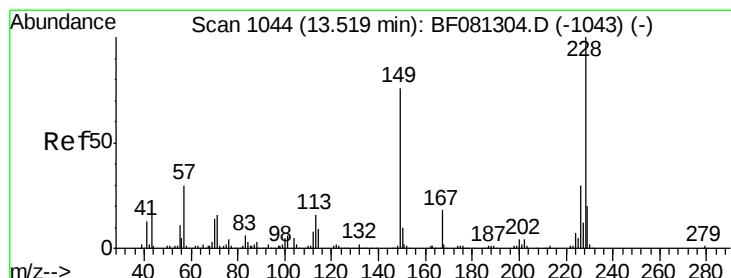
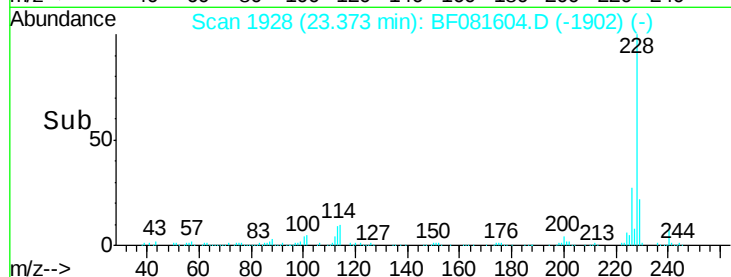
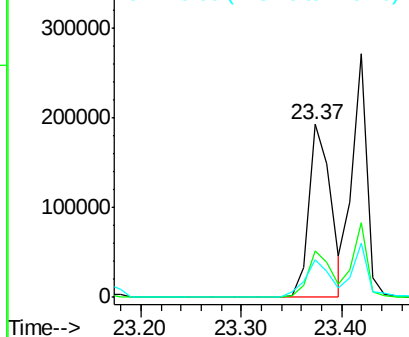
Tgt	Ion	Ratio	Lower	Upper
228	100			
226	26.8	20.0	30.0	
229	22.0	15.4	23.2	

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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: 31.65 ng

RT: 23.42 min Scan# 1932

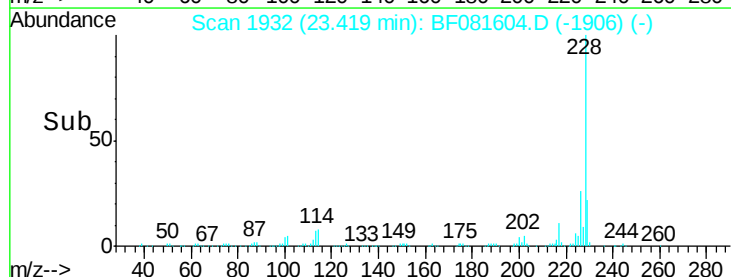
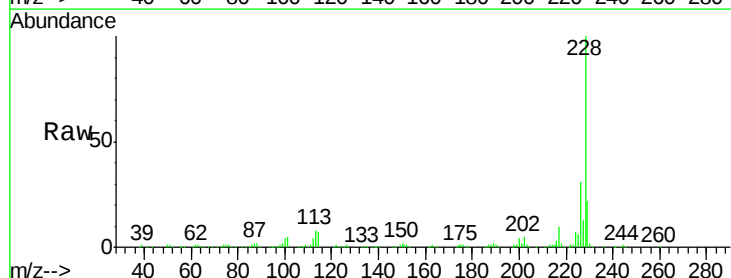
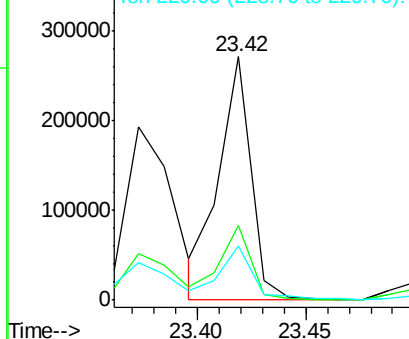
Delta R.T. 0.00 min

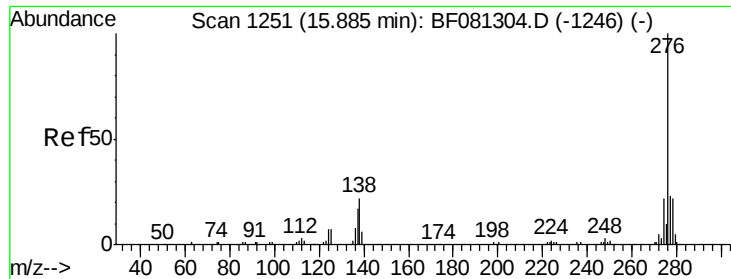
Lab File: BF081604.D

Acq: 14 Sep 2015 12:44

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	30.6	21.0	31.4	
229	22.0	15.6	23.4	

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





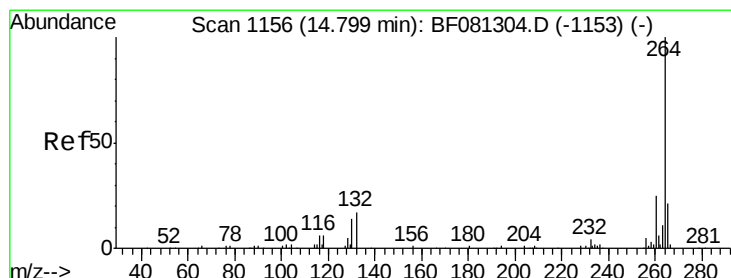
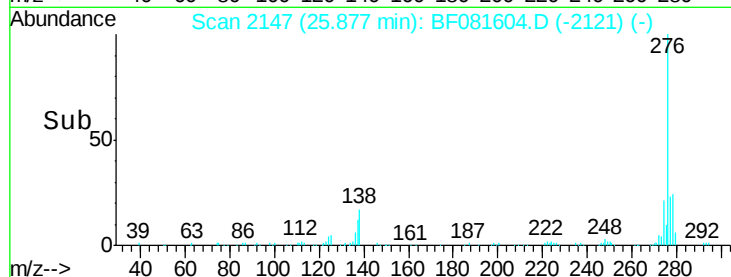
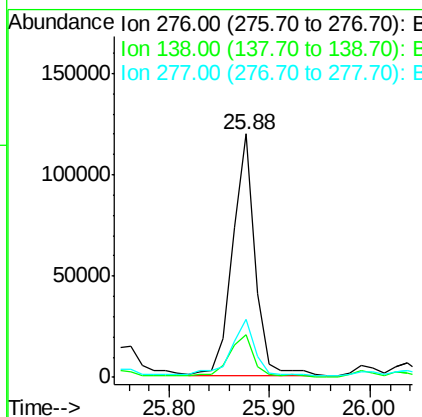
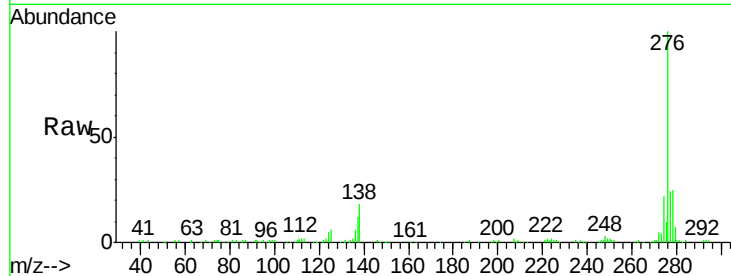
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 29.16 ng
 RT: 25.88 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	187118		
138	20.1	25.7	38.5#	
277	25.0	15.6	23.4#	

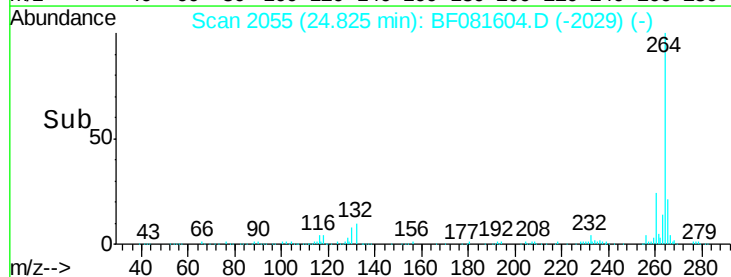
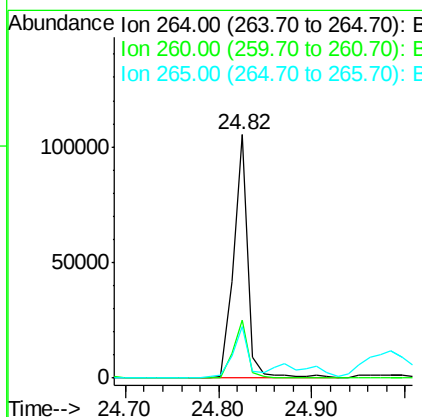
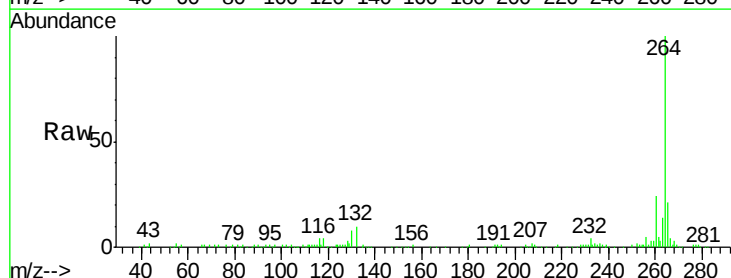
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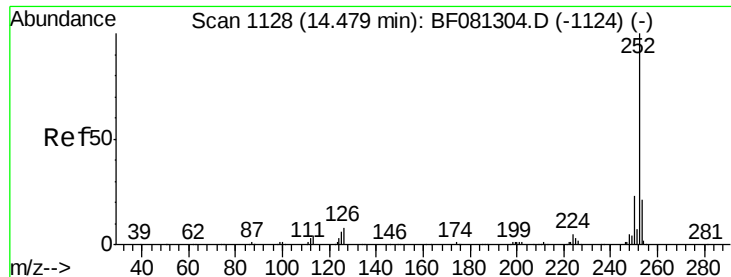
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.82 min Scan# 2055
 Delta R.T. 0.00 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	113827		
260	23.9	16.7	25.1	
265	21.1	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 45.17 ng m

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081604.D

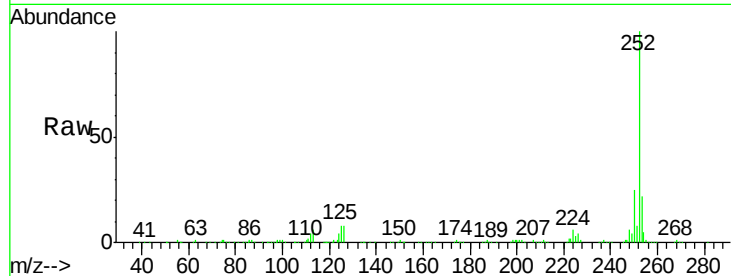
Acq: 14 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

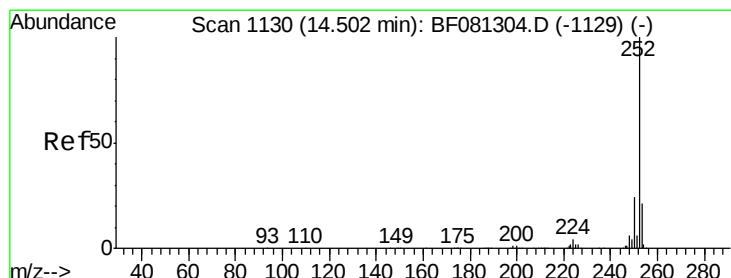
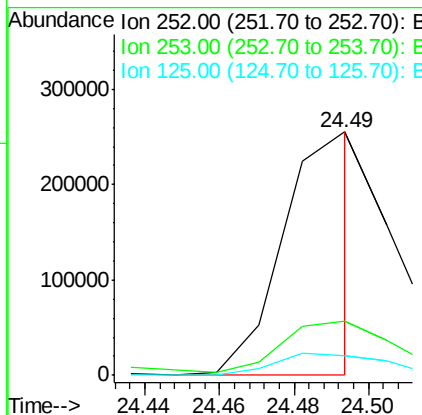
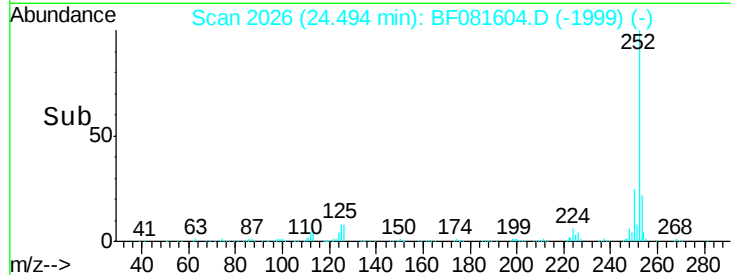
SB-04(0-0.16)DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	8.0	17.1	25.7

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#88

Benzo(k)fluoranthene

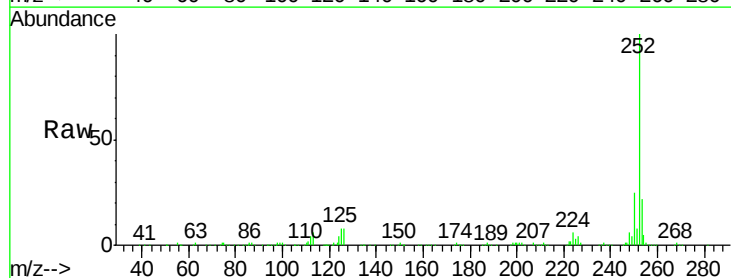
Concen: 22.36 ng m

RT: 24.49 min Scan# 2026

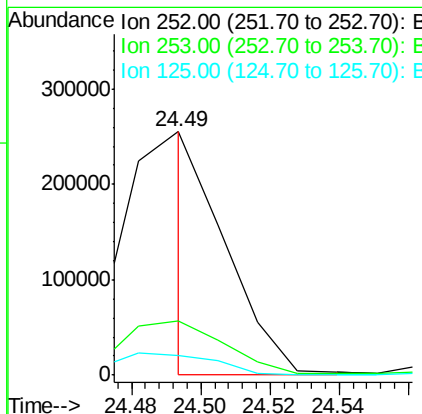
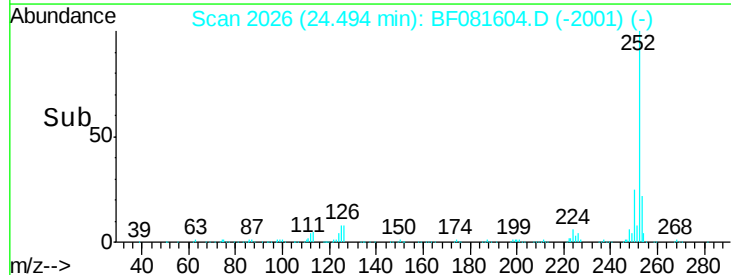
Delta R.T. -0.01 min

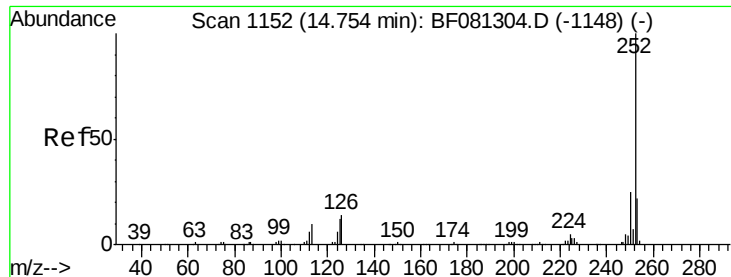
Lab File: BF081604.D

Acq: 14 Sep 2015 12:44



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	8.0	16.0	24.0





#89

Benzo(a)pyrene

Concen: 39.90 ng

RT: 24.78 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF081604.D

Acq: 14 Sep 2015 12:44

Instrument :

BNA_F

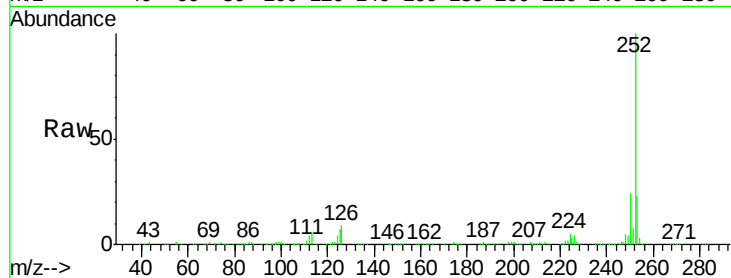
ClientSampleId :

SB-04(0-0.16)DL

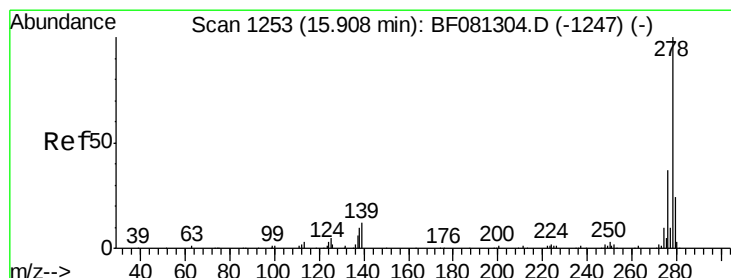
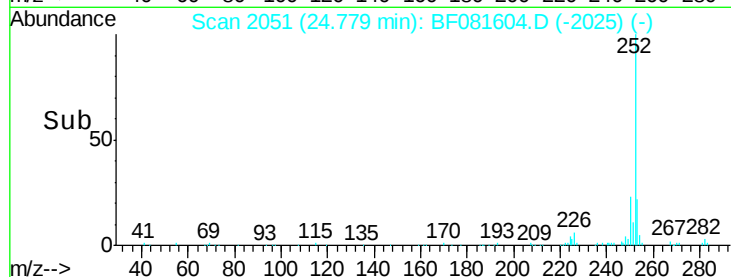
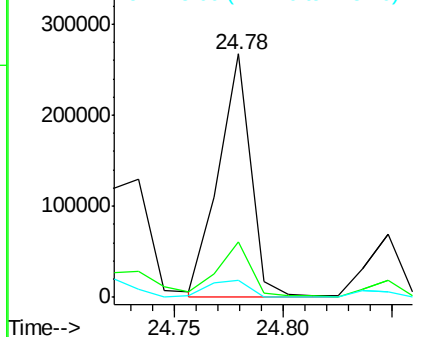
Tgt Ion:	252	Resp:	274742
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	7.0	18.0	27.0#

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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: 11.28 ng

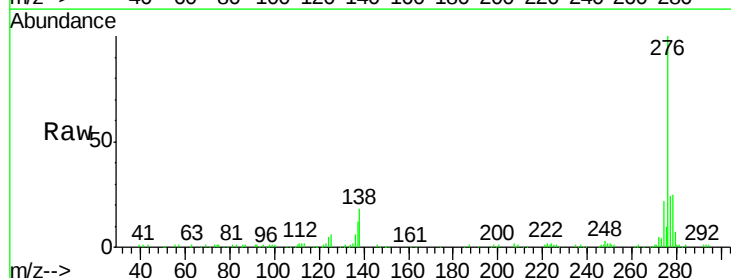
RT: 25.88 min Scan# 2147

Delta R.T. -0.01 min

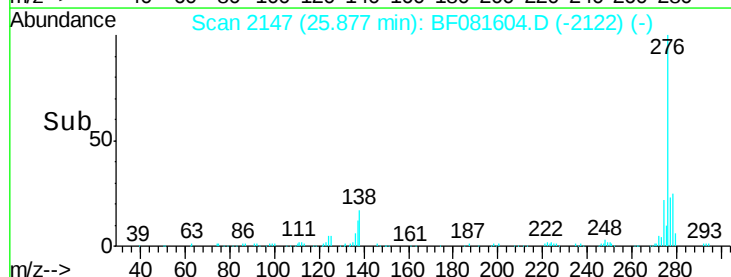
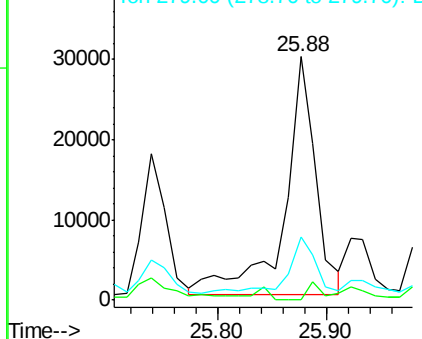
Lab File: BF081604.D

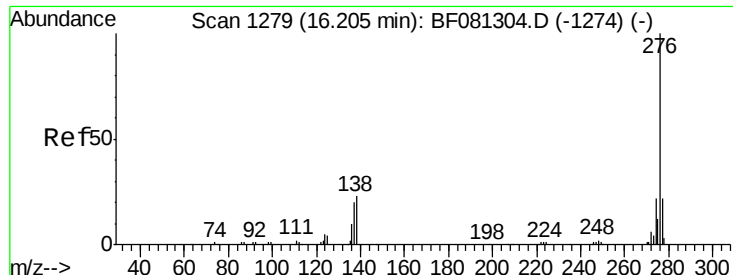
Acq: 14 Sep 2015 12:44

Tgt Ion:	278	Resp:	60046
Ion Ratio	Lower	Upper	
278	100		
139	0.0	26.3	39.5#
279	25.9	18.2	27.4



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





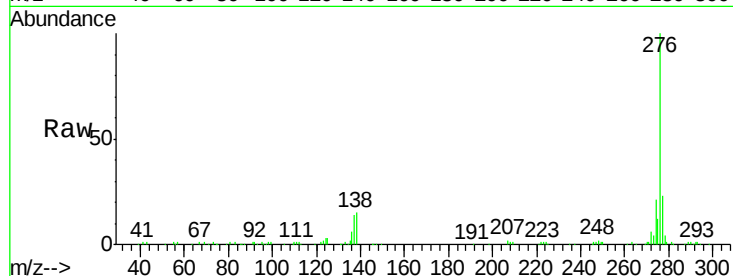
#91
 Benzo(g,h,i)perylene
 Concen: 35.60 ng
 RT: 26.19 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BF081604.D
 Acq: 14 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(0-0.16)DL

Tgt	Ion	276	Resp:	180810
	Ratio	100	Lower	Upper
	276	100		
	277	23.5	17.8	26.6
	138	15.1	34.6	51.8#

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

