

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
 Data File : BF081605.D
 Acq On : 14 Sep 2015 13:21
 Operator : UM/IZ
 Sample : G3526-19DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(0-0.16)DL

Manual Integrations
 APPROVED

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 9/14/2015 3:12:50 PM

Quant Time: Sep 14 14:23:07 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	57373	20.00	ng	0.00
21) Naphthalene-d8	11.12	136	233922	20.00	ng	-0.01
38) Acenaphthene-d10	15.26	164	114012	20.00	ng	-0.01
63) Phenanthrene-d10	18.77	188	224495	20.00	ng	0.00
75) Chrysene-d12	23.40	240	157986	20.00	ng	0.00
86) Perylene-d12	24.82	264	108397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	216127	58.45	ng	0.00
7) Phenol-d6	7.63	99	312585	63.86	ng	-0.02
23) Nitrobenzene-d5	9.52	82	207272	42.75	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	62763	61.83	ng	-0.02
44) 2-Fluorobiphenyl	13.77	172	363440	40.85	ng	-0.01
78) Terphenyl-d14	22.12	244	296504	43.69	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.82	163	81289	9.18	ng	# 97
51) Acenaphthene	15.33	154	31606	4.13	ng	84
54) Dibenzofuran	15.76	168	30735	2.75	ng	# 87
57) Fluorene	16.56	166	39622	4.68	ng	92
70) Phenanthrene	18.84	178	614562	49.24	ng	97
71) Anthracene	18.94	178	117530	9.17	ng	99
72) Carbazole	19.42	167	40872	3.40	ng	98
74) Fluoranthene	21.44	202	591183	43.76	ng	90
77) Pyrene	21.80	202	626961	53.57	ng	# 90
80) Benzo(a)anthracene	23.38	228	251954	25.04	ng	97
82) Chrysene	23.42	228	238728	26.47	ng	93
85) Indeno(1,2,3-cd)pyrene	25.88	276	93280	14.10	ng	# 77
87) Benzo(b)fluoranthene	24.49	252	189697m	24.51	ng	
88) Benzo(k)fluoranthene	24.49	252	91200m	14.20	ng	
89) Benzo(a)pyrene	24.78	252	146569	22.35	ng	# 84
90) Dibenzo(a,h)anthracene	25.88	278	29890	5.90	ng	# 80
91) Benzo(g,h,i)perylene	26.18	276	88961	18.39	ng	# 71

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

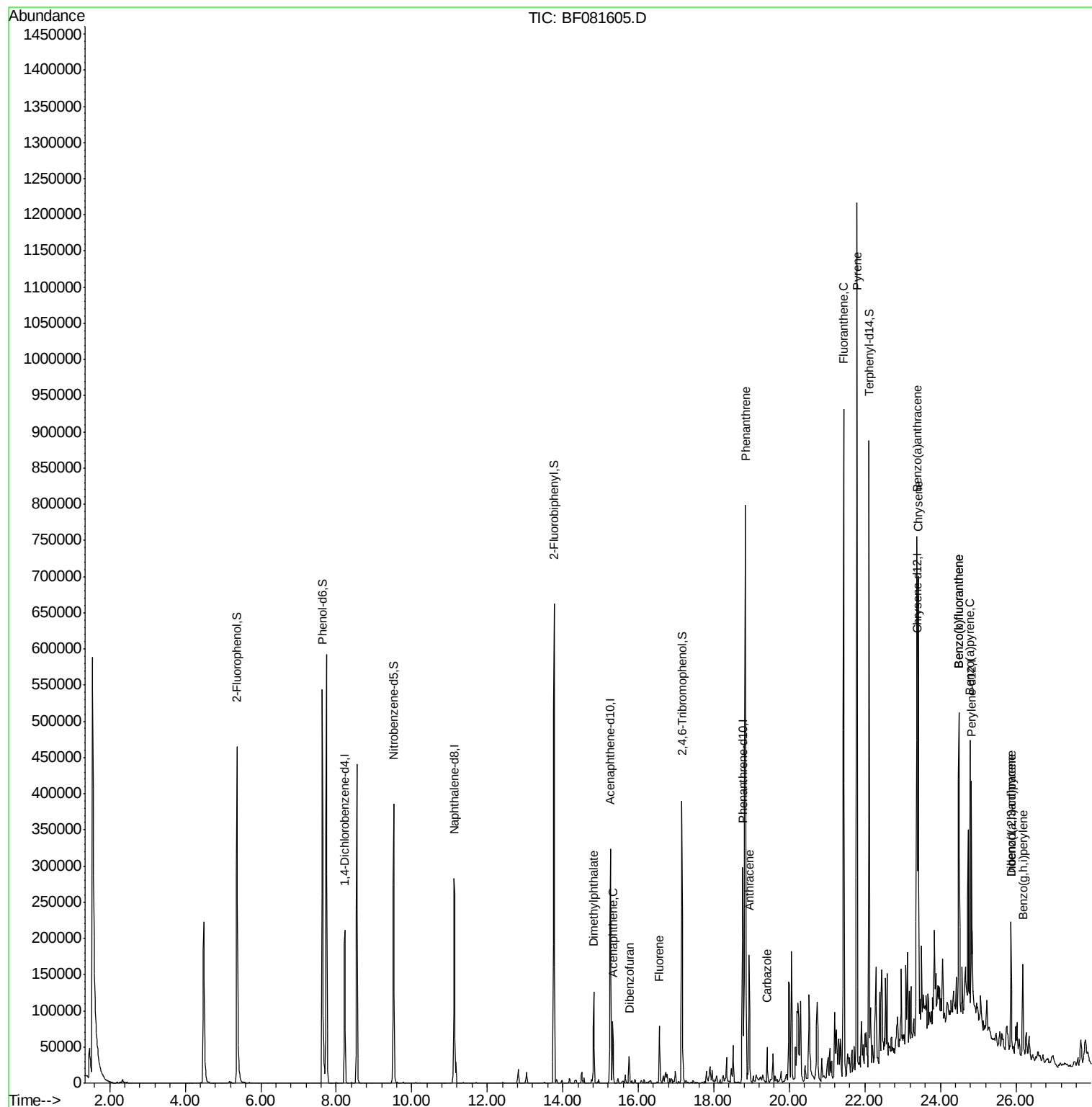
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
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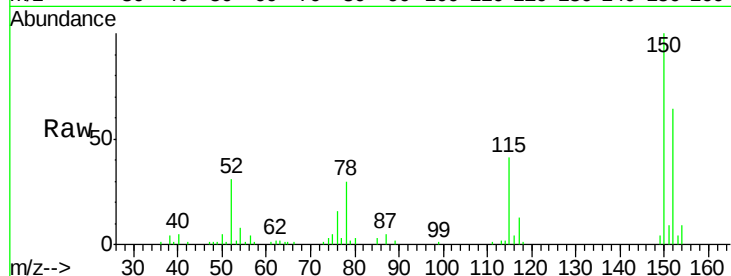




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.23 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

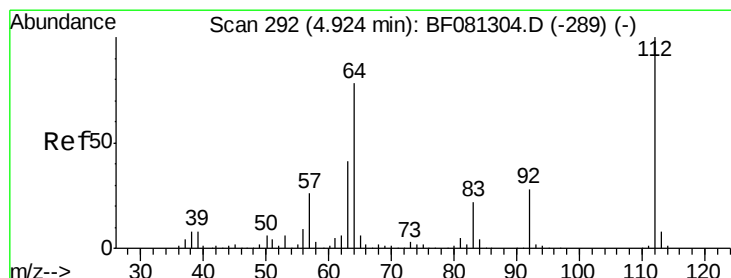
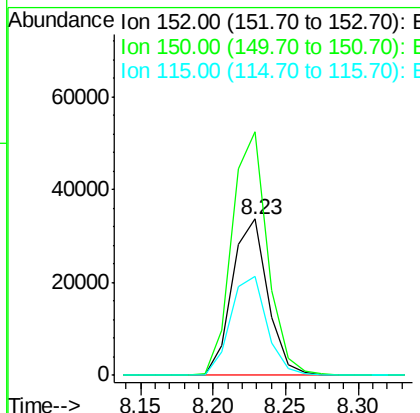
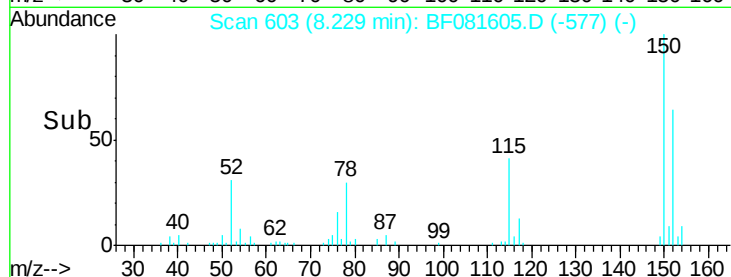
Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.7	187.1
115	63.1	39.0	58.4#

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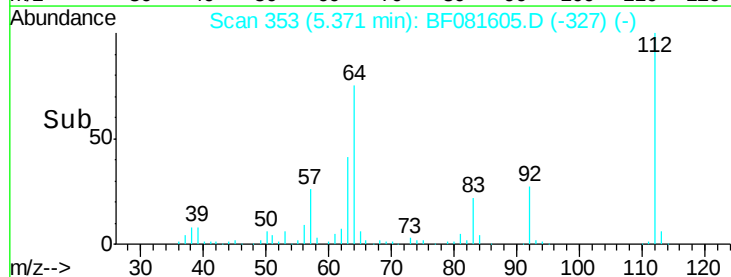
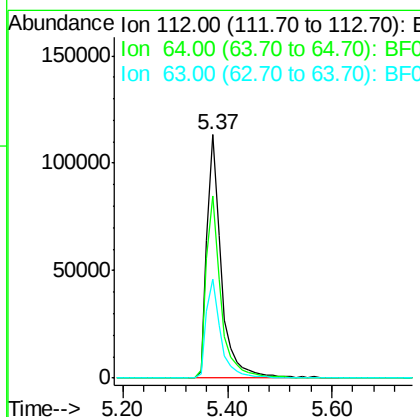
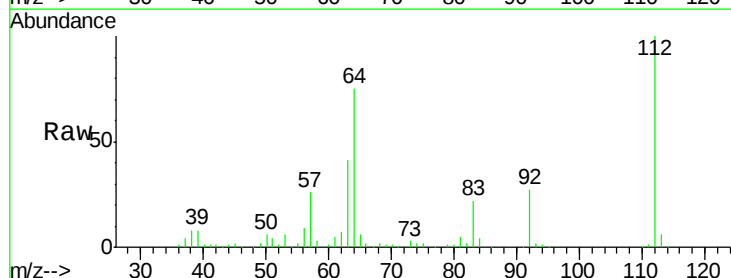
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#5

2-Fluorophenol
Concen: 58.45 ng
RT: 5.37 min Scan# 353
Delta R.T. -0.00 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	39.7	59.5#
63	40.5	17.4	26.0#





#7

Phenol-d6

Concen: 63.86 ng

RT: 7.63 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF081605.D

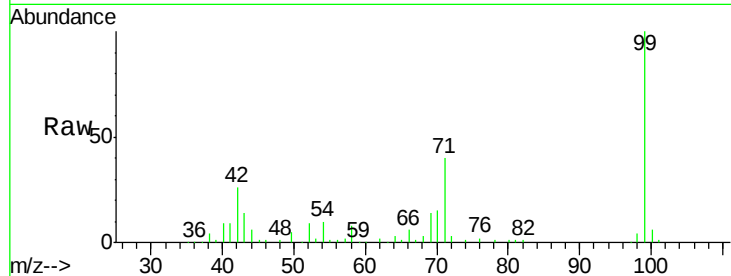
Acq: 14 Sep 2015 13:21

Instrument :

BNA_F

ClientSampleId :

SB-19(0-0.16)DL



Tgt Ion: 99 Resp: 312585

Ion Ratio Lower Upper

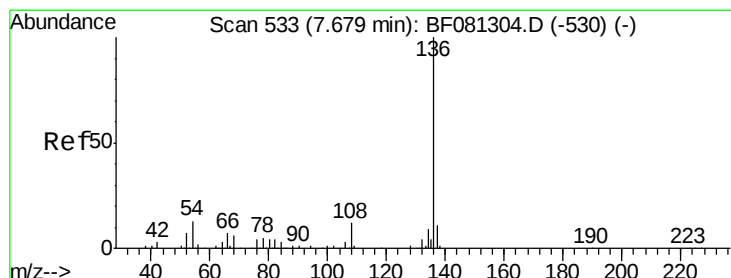
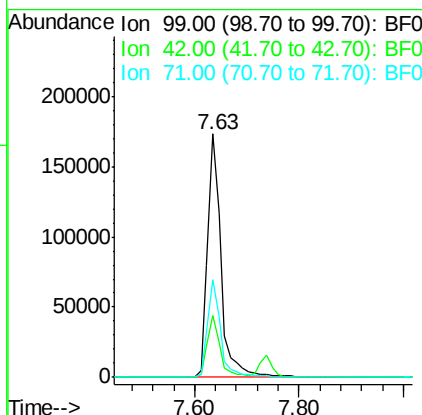
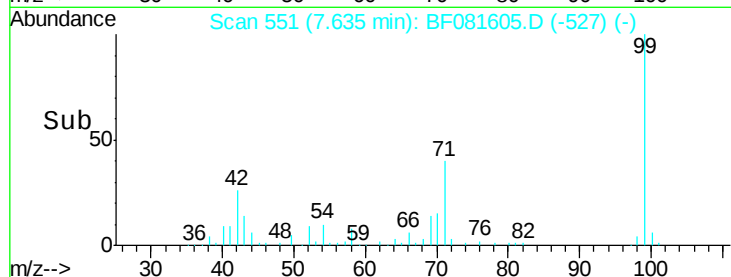
99 100

42 25.6 13.7 20.5#

71 39.9 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

Tgt Ion: 136 Resp: 233922

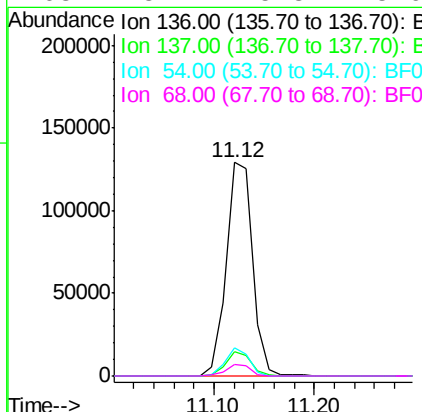
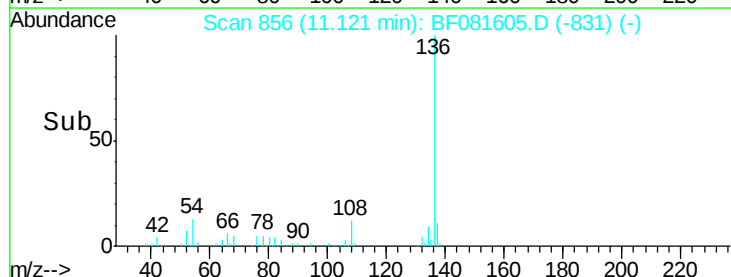
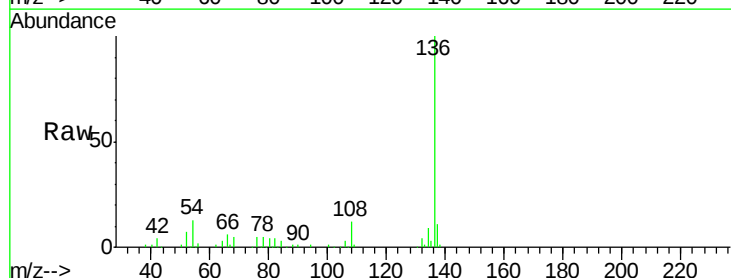
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 13.0 8.2 12.2#

68 5.2 5.8 8.6#





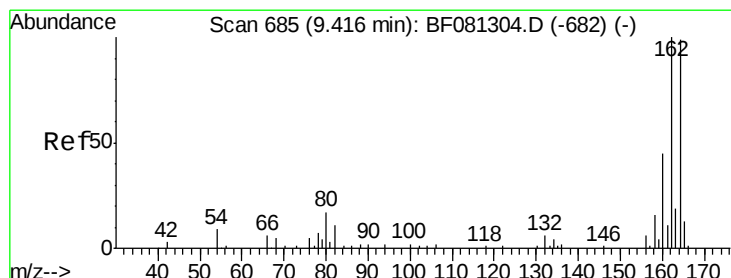
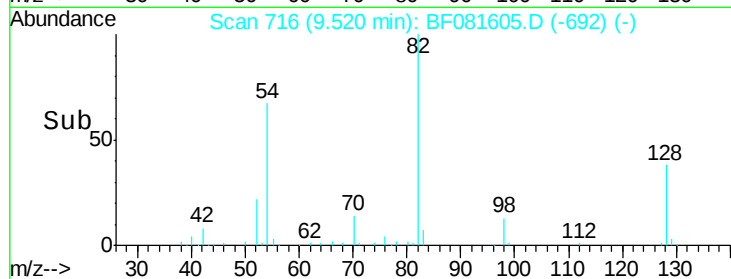
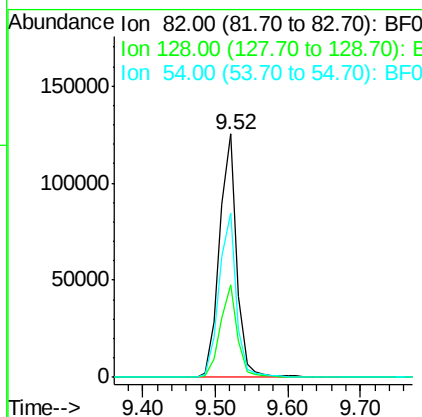
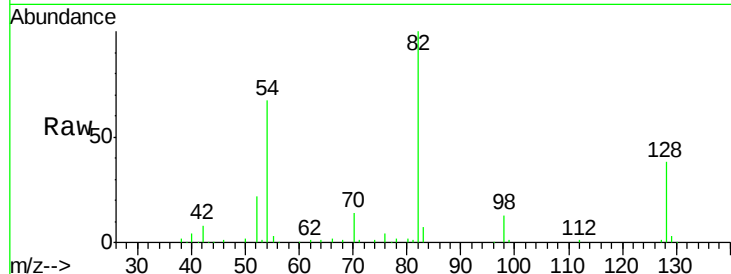
#23
 Nitrobenzene-d5
 Concen: 42.75 ng
 RT: 9.52 min Scan# 716
 Delta R.T. -0.02 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(0-0.16)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.8	51.0	76.6#
54	67.3	47.5	71.3

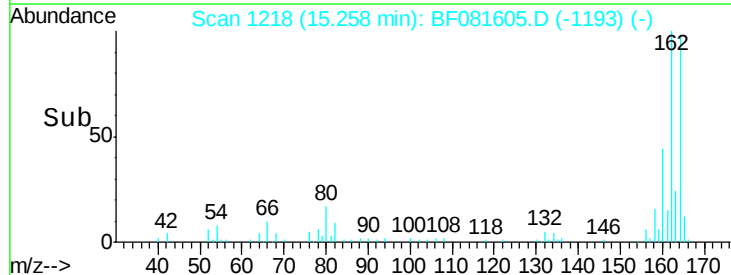
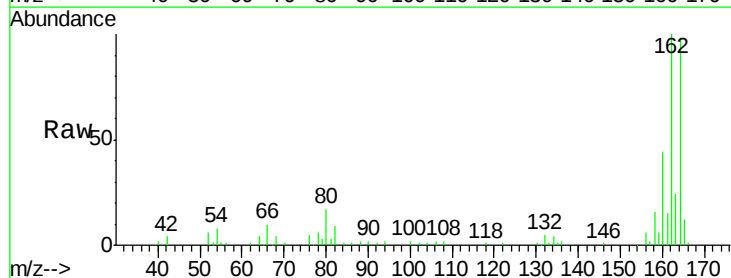
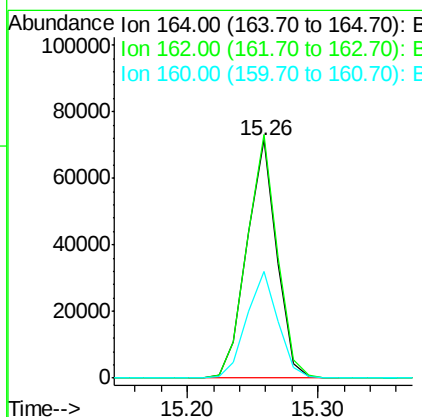
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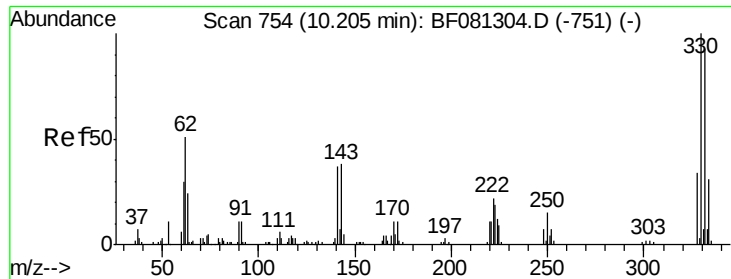
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.26 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	75.2	112.8
160	45.0	31.5	47.3





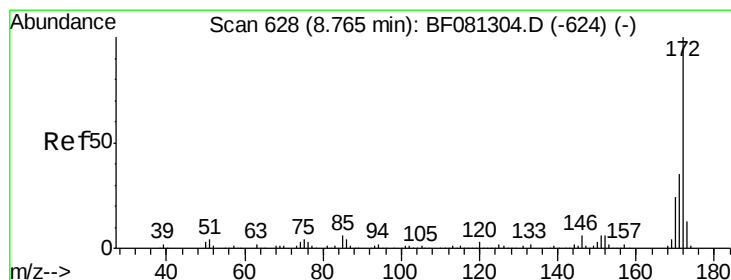
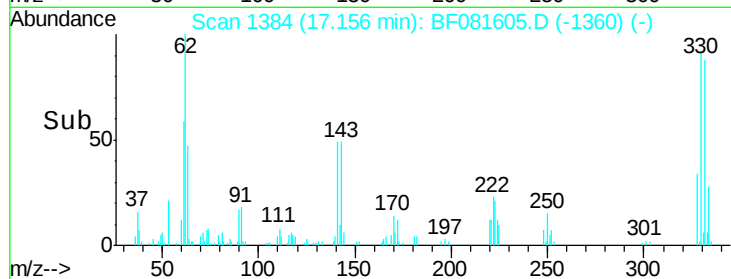
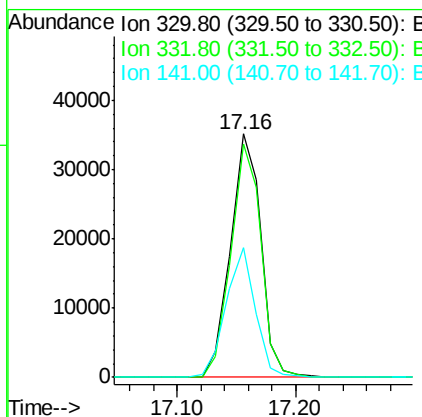
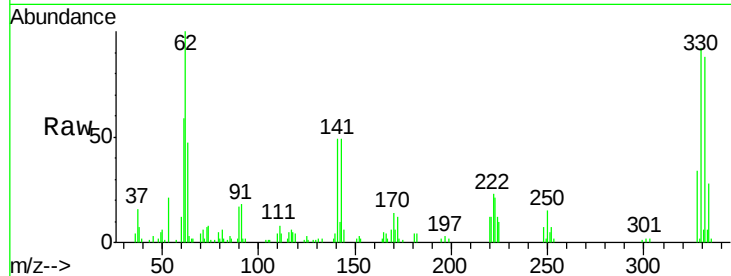
#41
 2,4,6-Tribromophenol
 Concen: 61.83 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(0-0.16)DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	62763		
332	94.5	76.6	114.8	
141	51.7	29.7	44.5#	

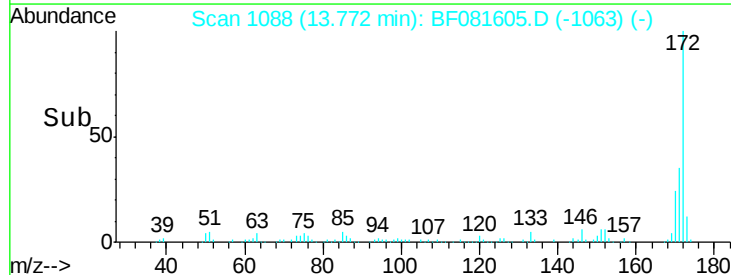
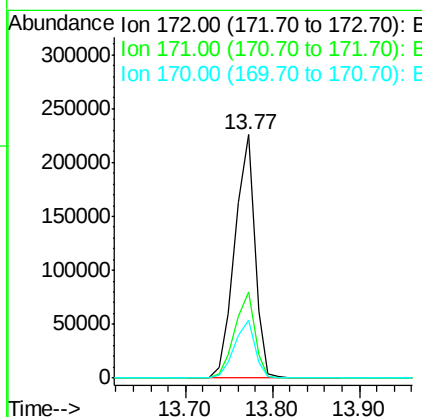
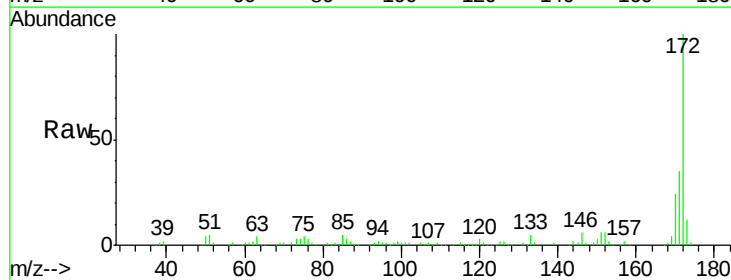
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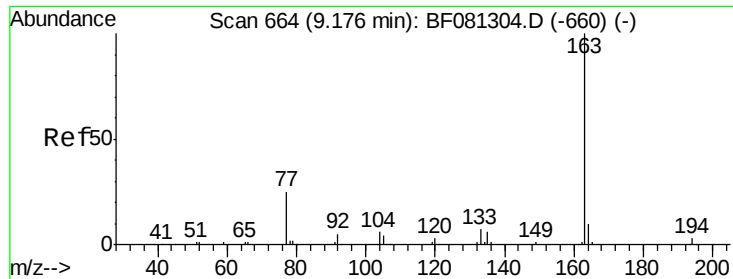
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#44
 2-Fluorobiphenyl
 Concen: 40.85 ng
 RT: 13.77 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	363440		
171	35.4	26.1	39.1	
170	24.0	17.4	26.2	





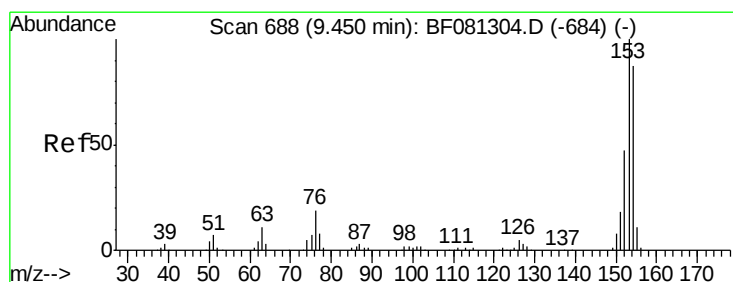
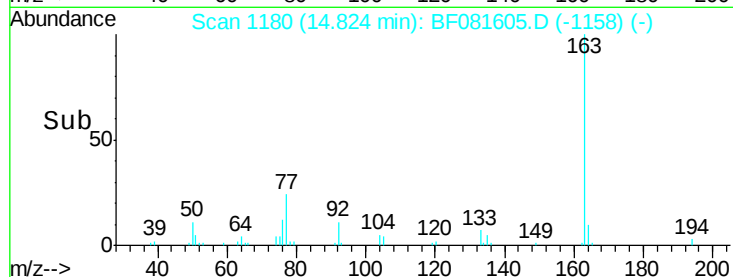
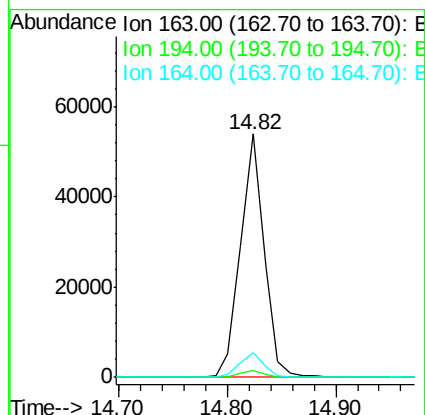
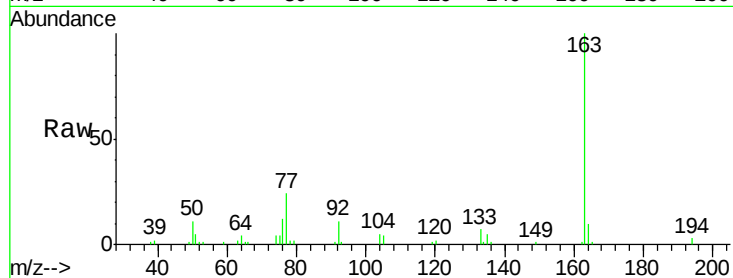
#49
Dimethylphthalate
Concen: 9.18 ng
RT: 14.82 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	81289		
194	2.9	4.4	6.6#	
164	10.0	8.3	12.5	

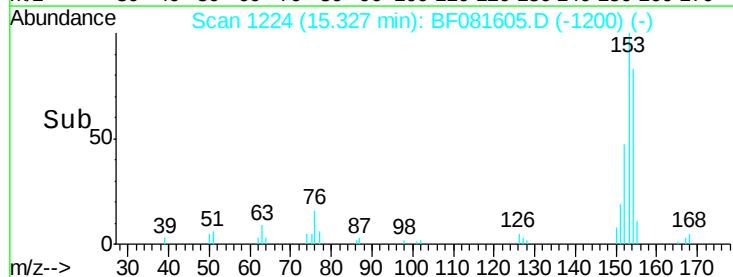
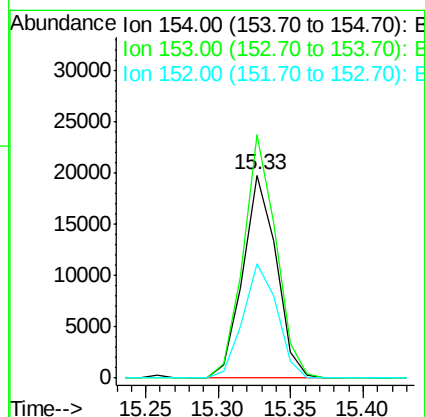
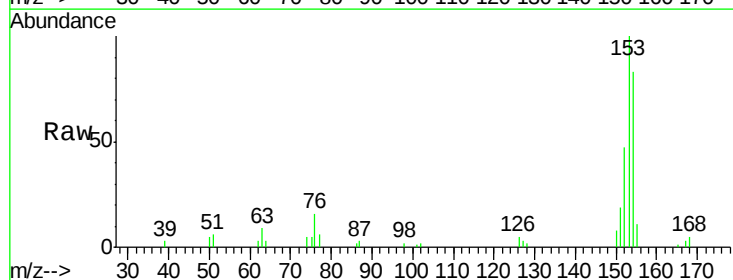
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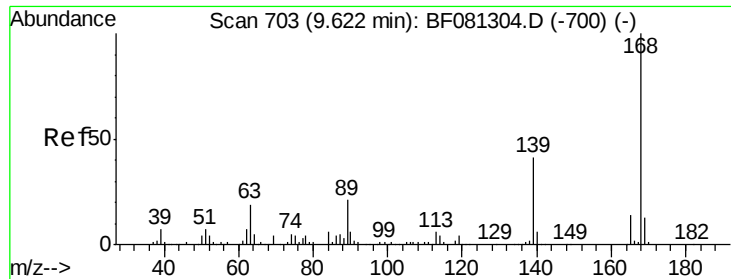
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#51
Acenaphthene
Concen: 4.13 ng
RT: 15.33 min Scan# 1224
Delta R.T. -0.02 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	31606		
153	120.1	82.1	123.1	
152	56.6	37.9	56.9	





#54

Dibenzenofuran

Concen: 2.75 ng

RT: 15.76 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF081605.D

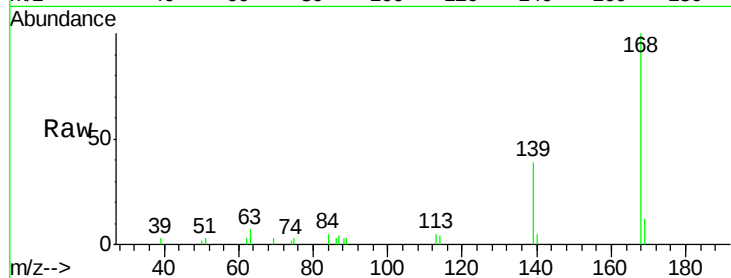
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Instrument :

BNA_F

ClientSampleId :

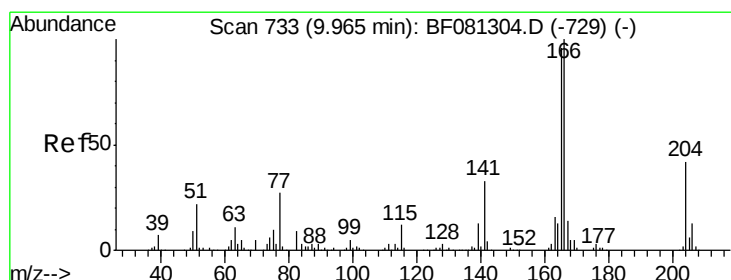
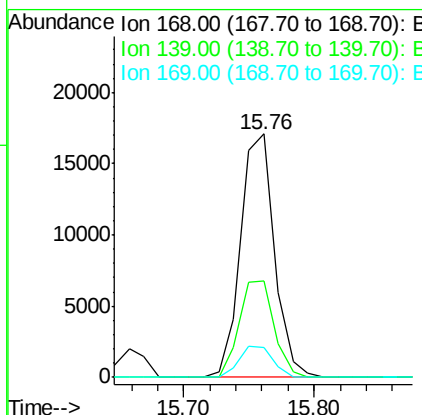
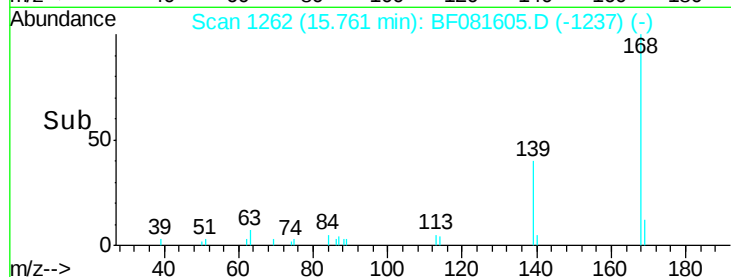
SB-19(0-0.16)DL



Tgt Ion:	168	Resp:	30735
Ion Ratio	Lower	Upper	
168	100		
139	39.4	24.2	36.2#
169	12.2	10.6	15.8

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#57

Fluorene

Concen: 4.68 ng

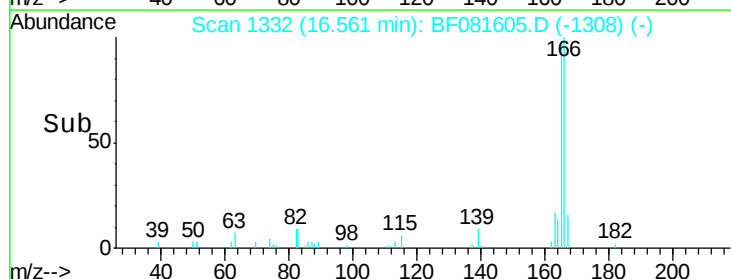
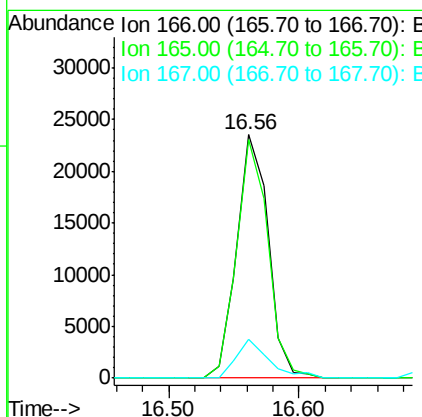
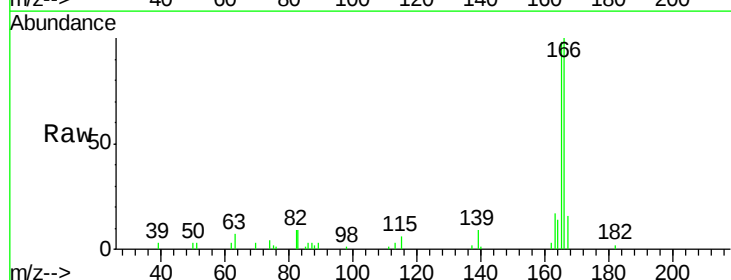
RT: 16.56 min Scan# 1332

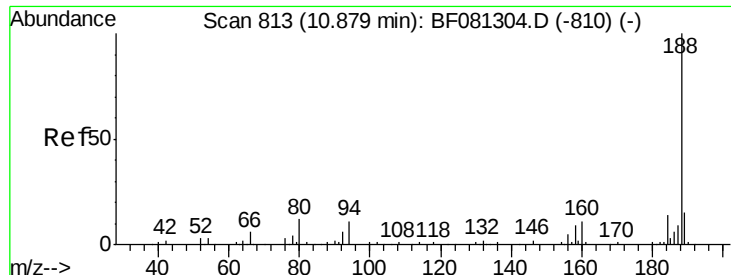
Delta R.T. -0.02 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

Tgt Ion:	166	Resp:	39622
Ion Ratio	Lower	Upper	
166	100		
165	98.2	72.6	109.0
167	15.9	10.6	16.0





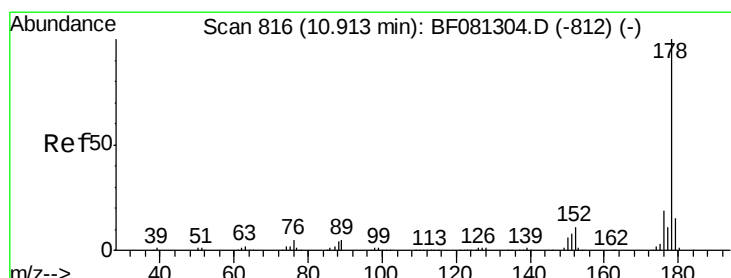
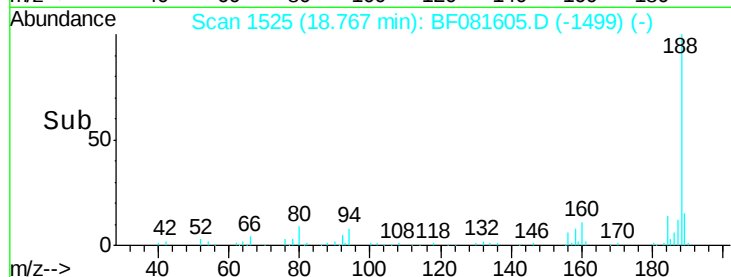
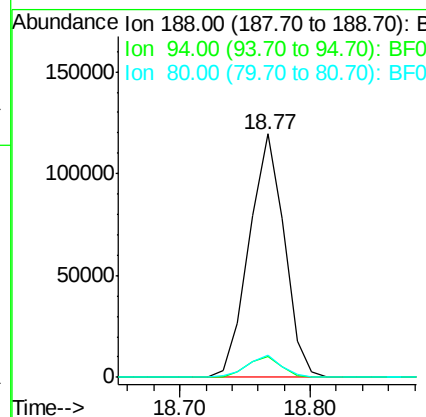
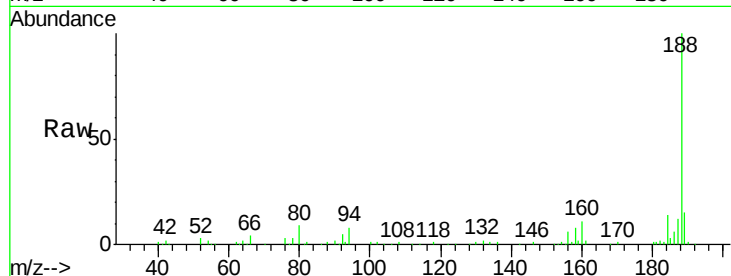
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.77 min Scan# 1525
Delta R.T. -0.00 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	11.1	16.7#
80	8.9	11.0	16.4#

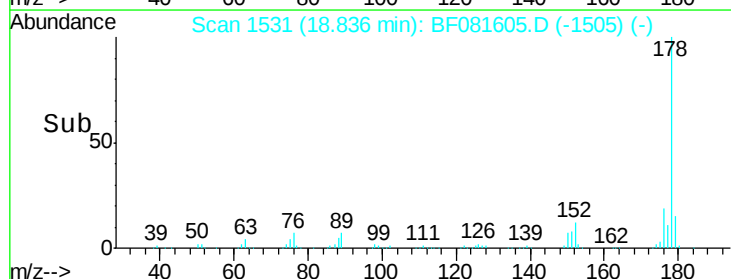
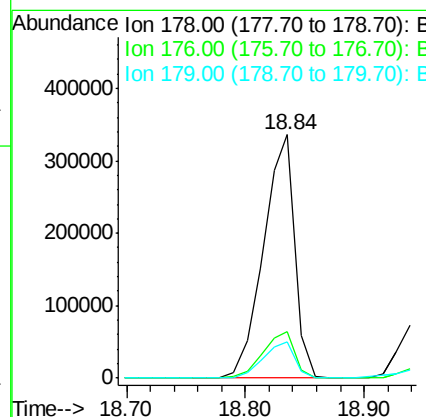
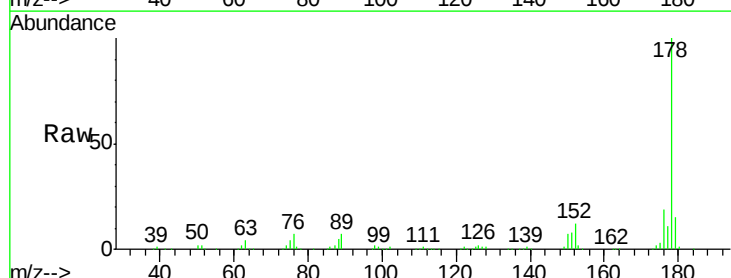
Manual Integrations
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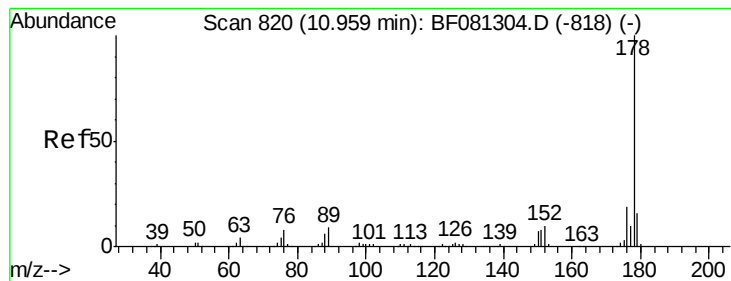
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#70
Phenanthrene
Concen: 49.24 ng
RT: 18.84 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	13.8	20.8
179	15.1	12.2	18.2





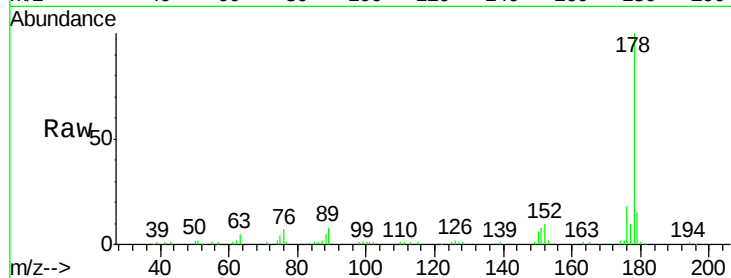
#71
 Anthracene
 Concen: 9.17 ng
 RT: 18.94 min Scan# 1540
 Delta R.T. -0.01 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(0-0.16)DL

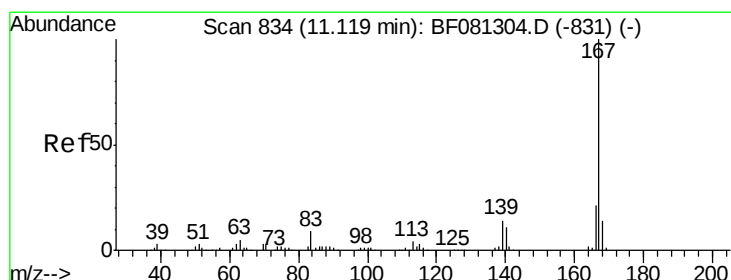
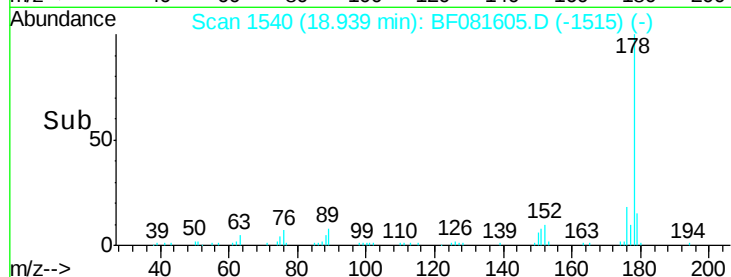
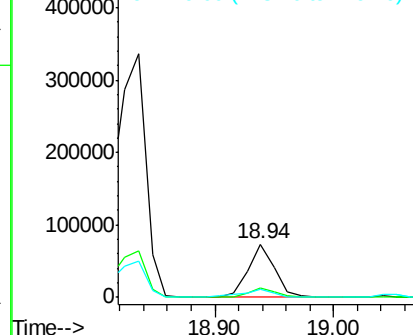
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.1	21.1
179	15.1	12.2	18.2

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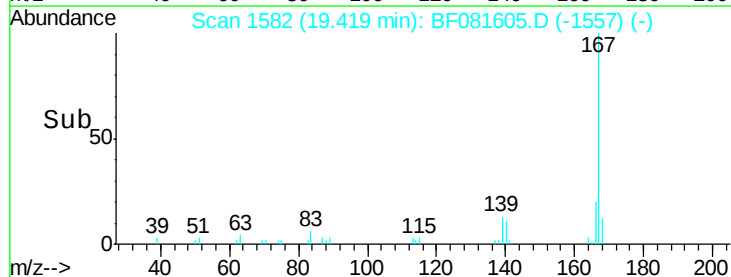
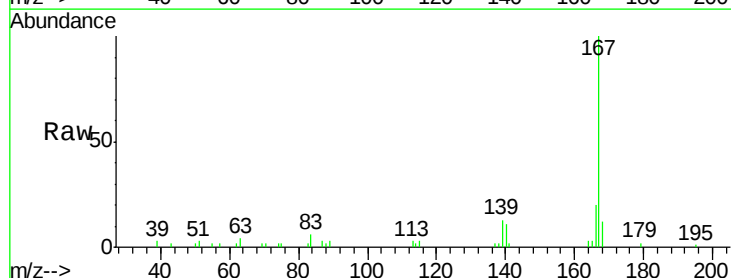
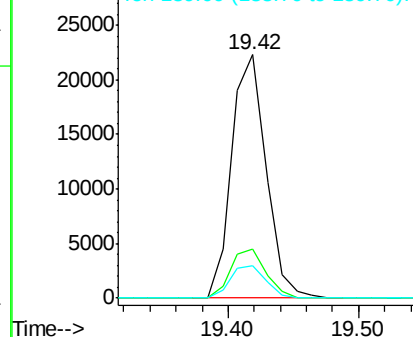
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

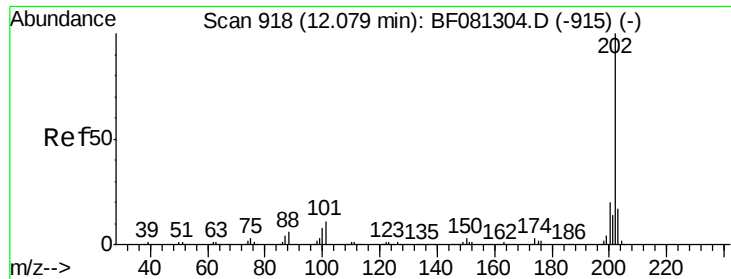


#72
 Carbazole
 Concen: 3.40 ng
 RT: 19.42 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.2	15.7	23.5
139	13.1	9.5	14.3

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 43.76 ng

RT: 21.44 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BF081605.D

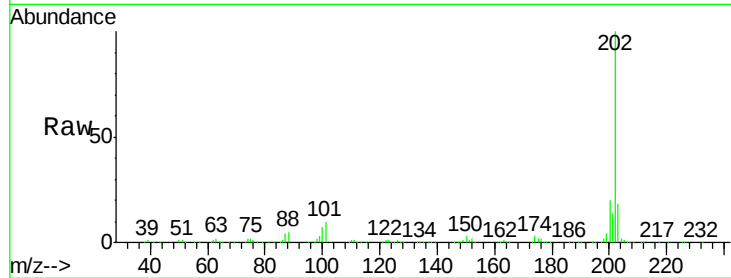
Acq: 14 Sep 2015 13:21

Instrument :

BNA_F

ClientSampleId :

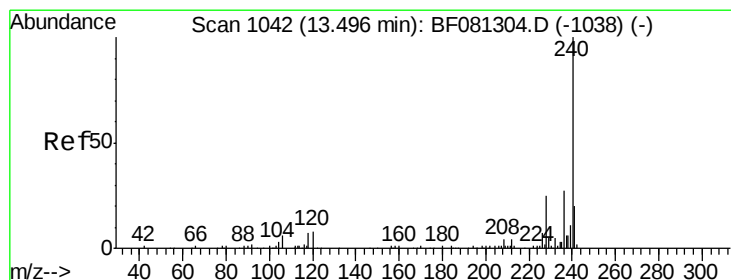
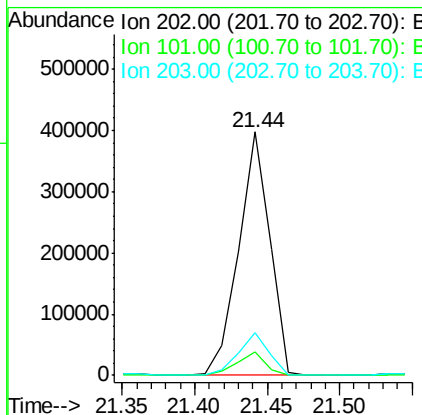
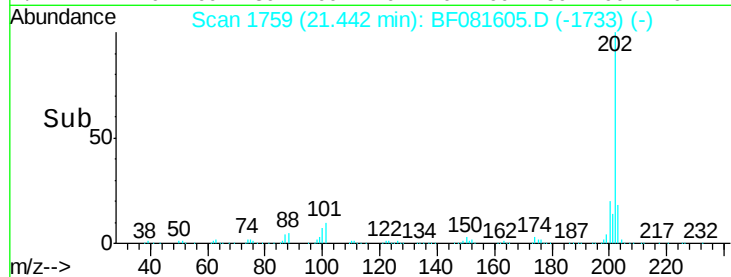
SB-19(0-0.16)DL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	591183		
101	9.7	0.0	38.3	
203	17.6	0.0	37.3	

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9/14/2015 3:12:50 PM



#75

Chrysene-d12

Concen: 20.00 ng

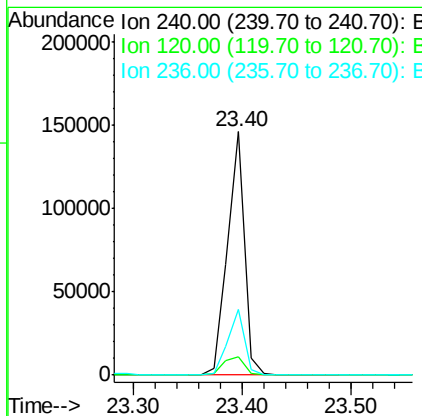
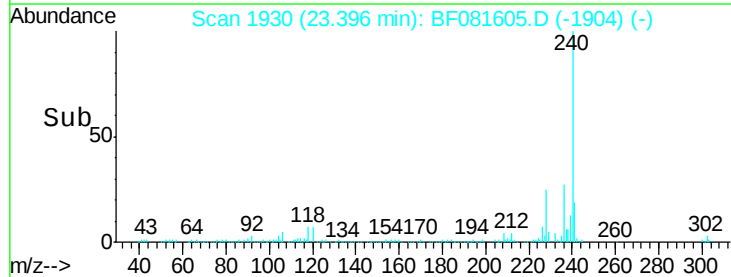
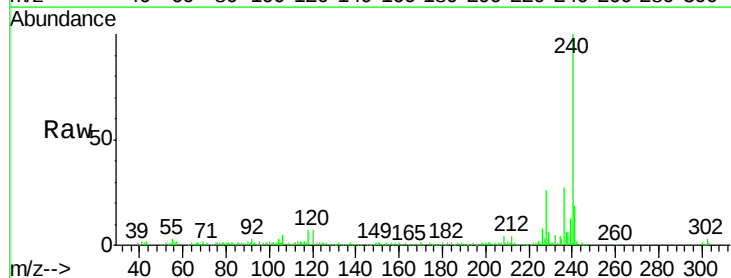
RT: 23.40 min Scan# 1930

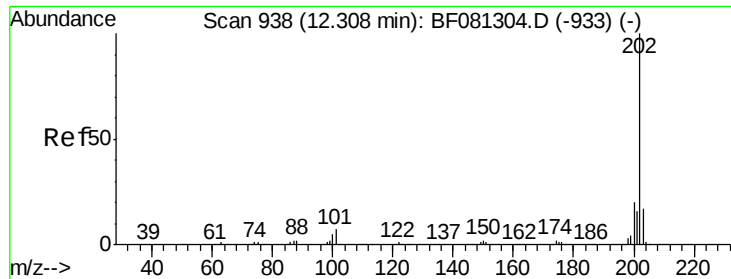
Delta R.T. -0.00 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	157986		
120	7.4	16.2	24.2#	
236	26.9	18.4	27.6	





#77

Pyrene

Concen: 53.57 ng

RT: 21.80 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BF081605.D

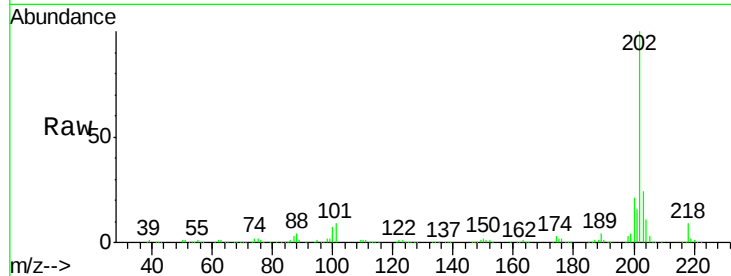
Acq: 14 Sep 2015 13:21

Instrument :

BNA_F

ClientSampleId :

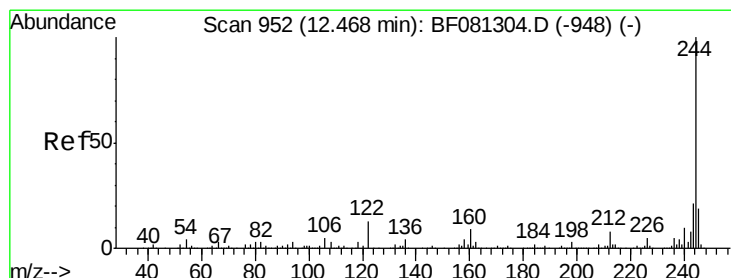
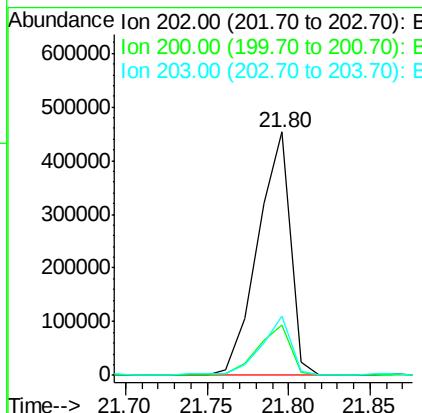
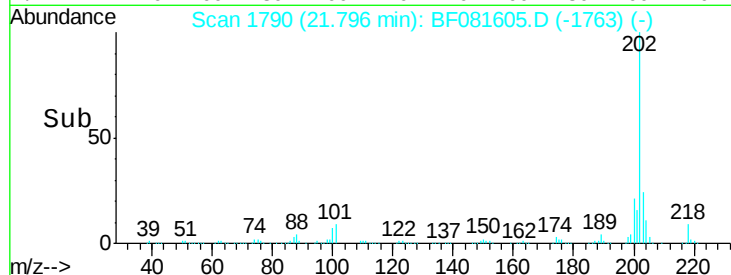
SB-19(0-0.16)DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	15.0	22.4
203	24.3	14.1	21.1#

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9/14/2015 3:12:50 PM



#78

Terphenyl-d14

Concen: 43.69 ng

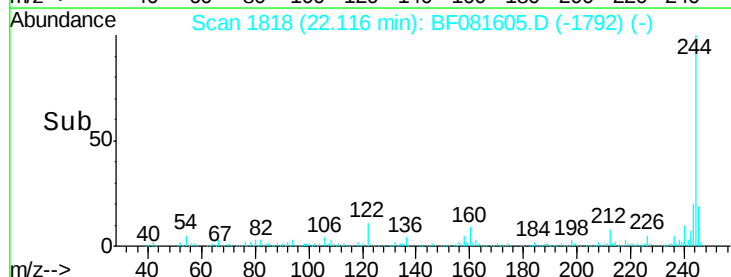
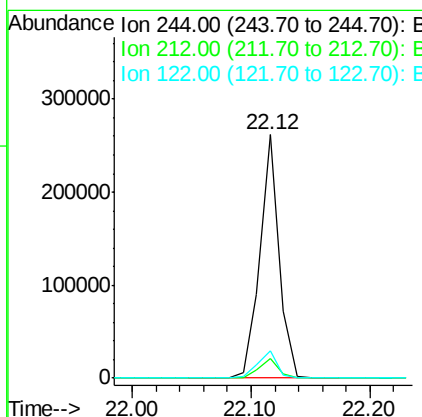
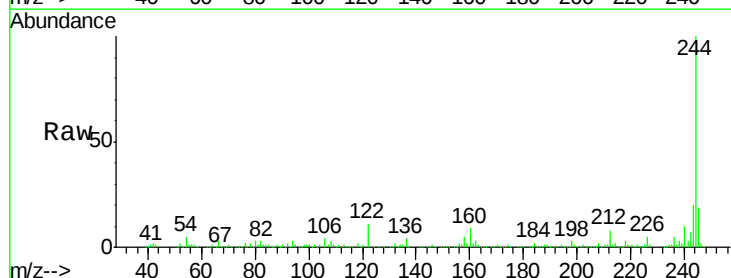
RT: 22.12 min Scan# 1818

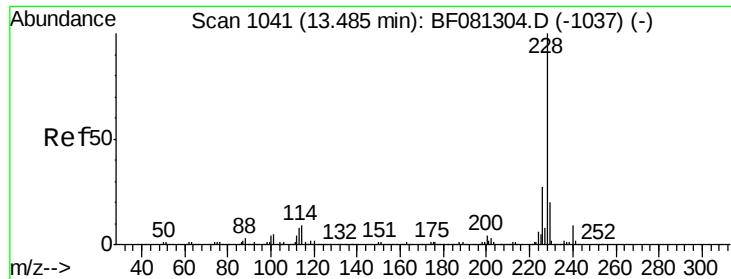
Delta R.T. -0.00 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.0	4.3	6.5#
122	11.3	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 25.04 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.01 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

Instrument :

BNA_F

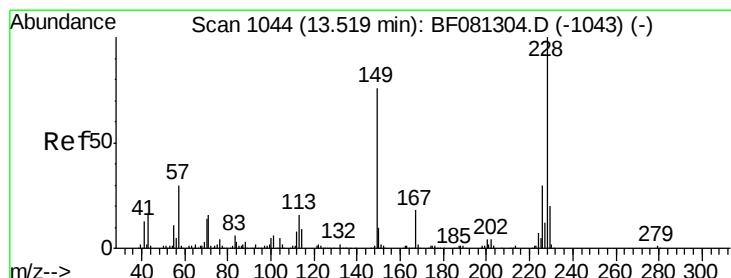
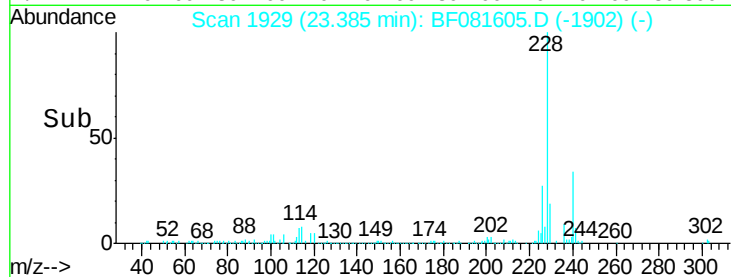
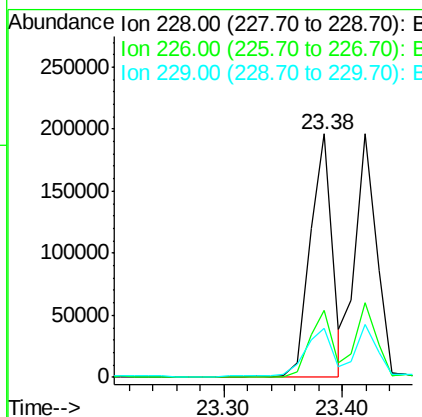
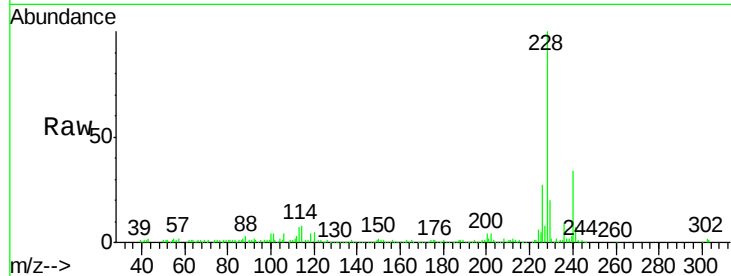
ClientSampleId :

SB-19(0-0.16)DL

Tgt Ion:	228	Resp:	251954
Ion Ratio	Lower	Upper	
228	100		
226	27.3	20.0	30.0
229	20.2	15.4	23.2

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#82

Chrysene

Concen: 26.47 ng

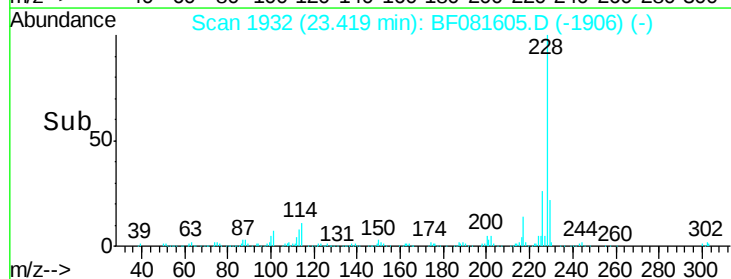
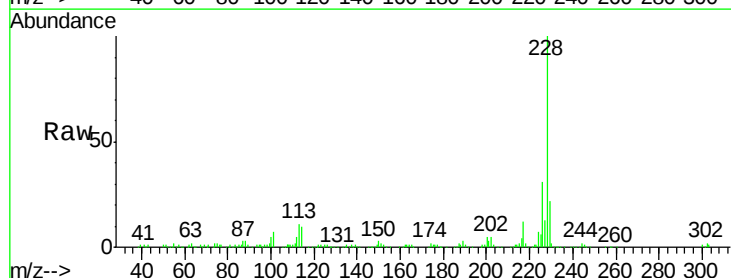
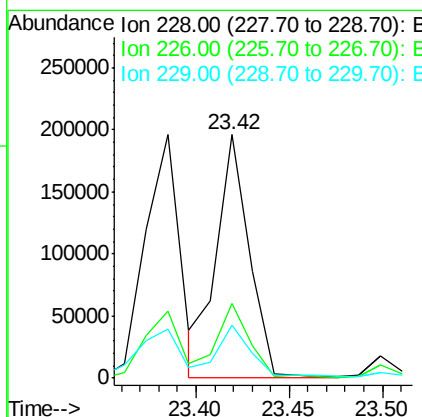
RT: 23.42 min Scan# 1932

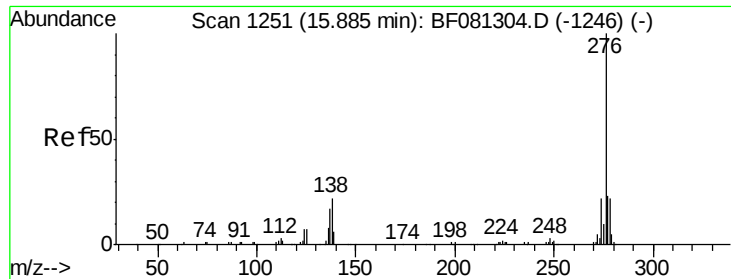
Delta R.T. -0.00 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

Tgt Ion:	228	Resp:	238728
Ion Ratio	Lower	Upper	
228	100		
226	30.9	21.0	31.4
229	21.9	15.6	23.4





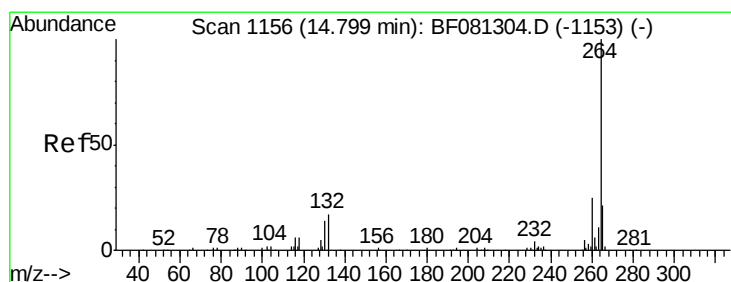
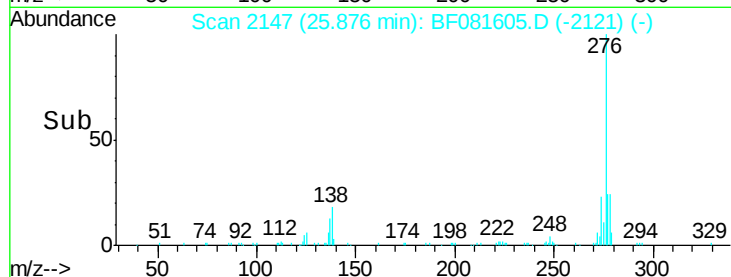
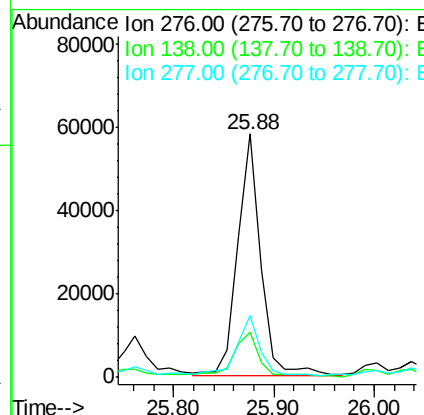
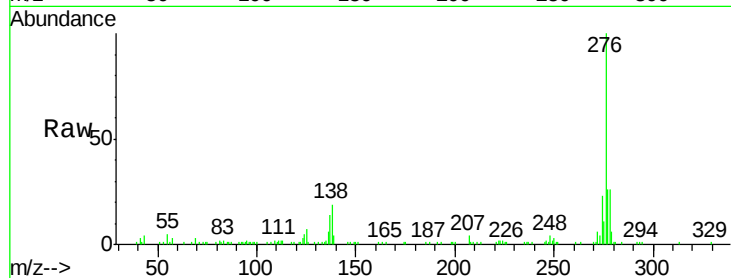
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.10 ng
 RT: 25.88 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(0-0.16)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	25.7	38.5#
277	28.0	15.6	23.4#

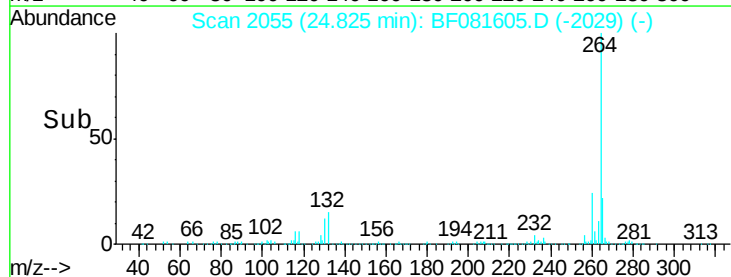
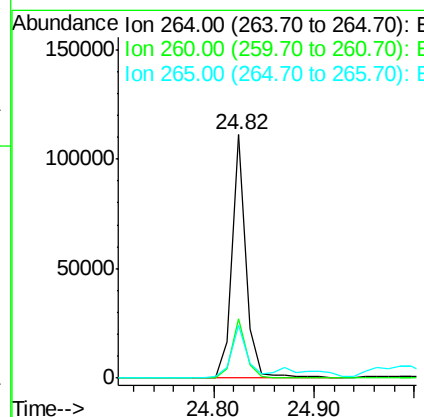
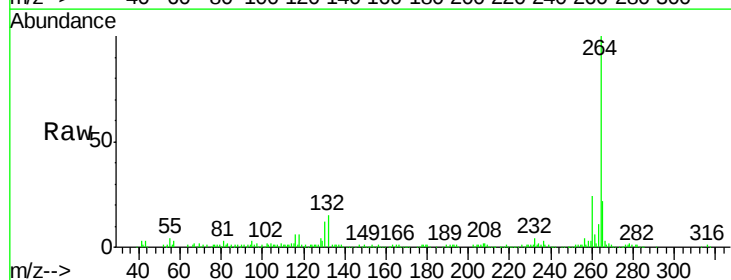
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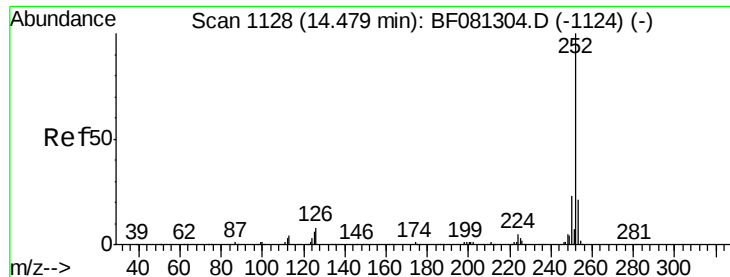
MMDadoda
 9/14/2015 3:12:50 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.82 min Scan# 2055
 Delta R.T. -0.00 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	16.7	25.1
265	21.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 24.51 ng m

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081605.D

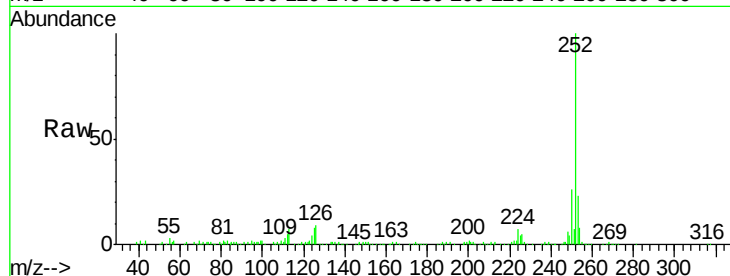
Acq: 14 Sep 2015 13:21

Instrument :

BNA_F

ClientSampleId :

SB-19(0-0.16)DL



Tgt Ion: 252 Resp: 189697

Ion Ratio Lower Upper

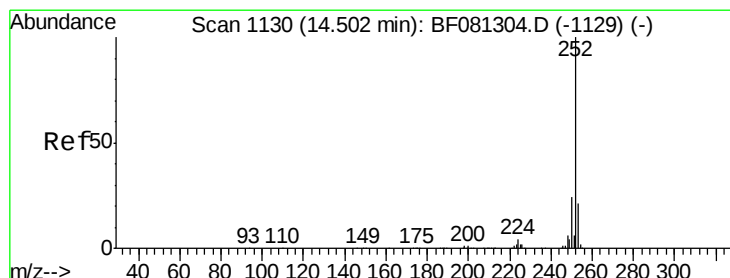
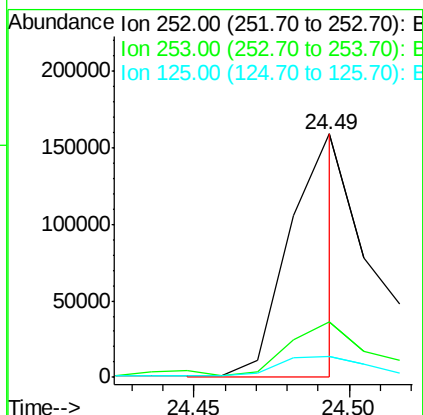
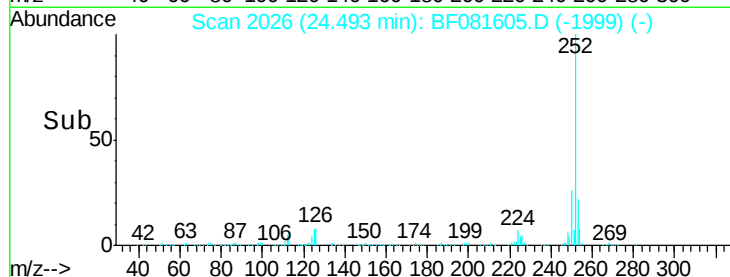
252 100

253 22.6 17.5 26.3

125 8.5 17.1 25.7#

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9/14/2015 3:12:50 PM



#88

Benzo(k)fluoranthene

Concen: 14.20 ng m

RT: 24.49 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF081605.D

Acq: 14 Sep 2015 13:21

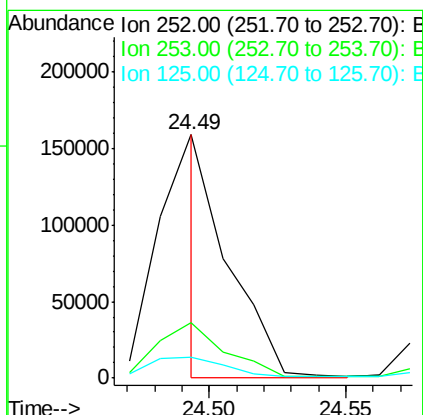
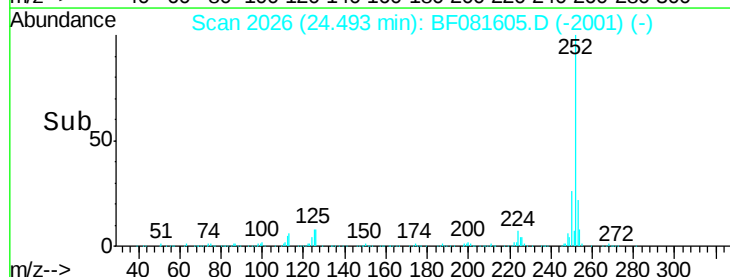
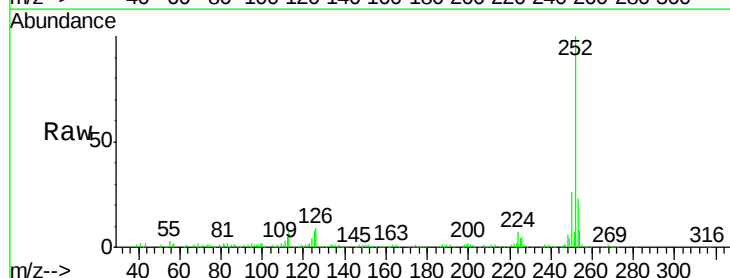
Tgt Ion: 252 Resp: 91200

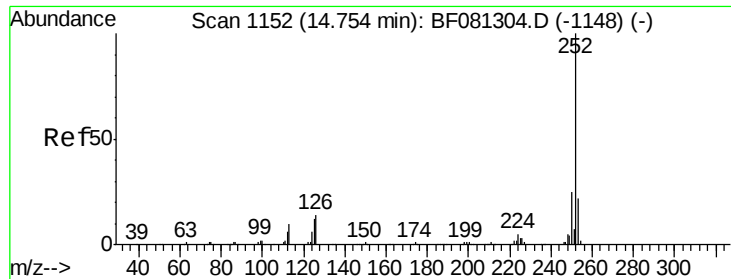
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

125 8.5 16.0 24.0#





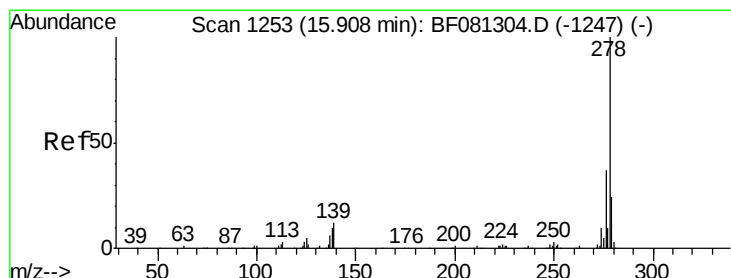
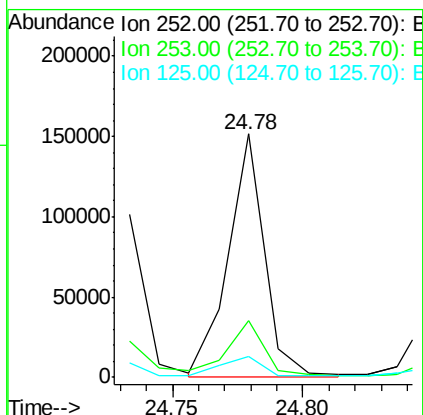
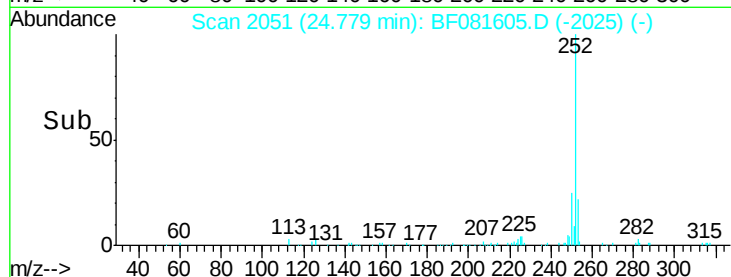
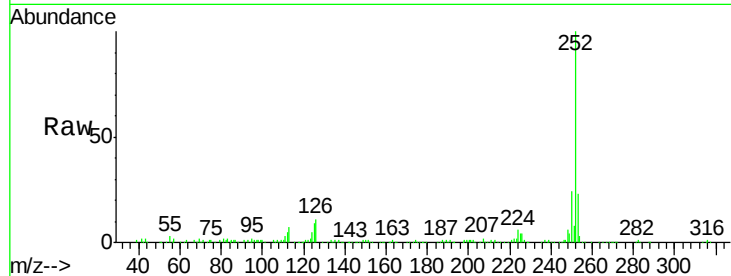
#89
Benzo(a)pyrene
Concen: 22.35 ng
RT: 24.78 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)DL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	146569		
253	23.1	17.2	25.8	
125	8.6	18.0	27.0	

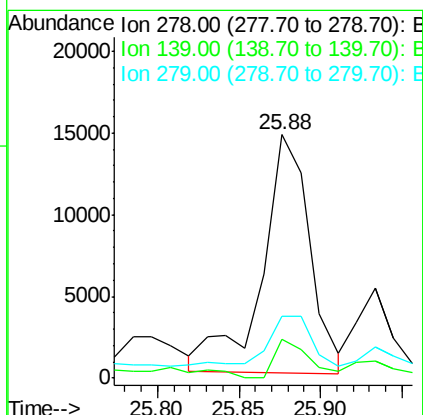
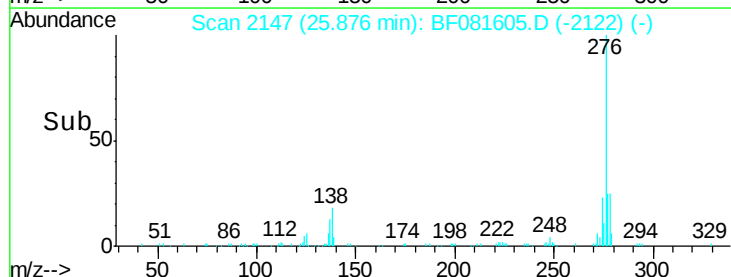
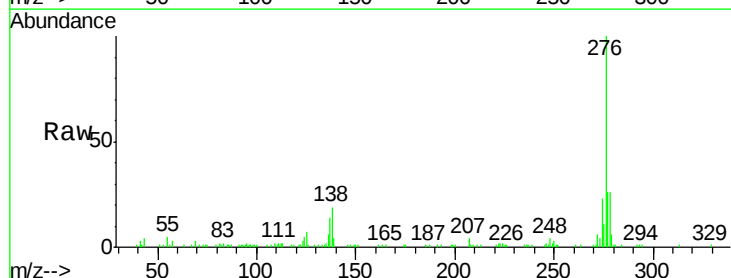
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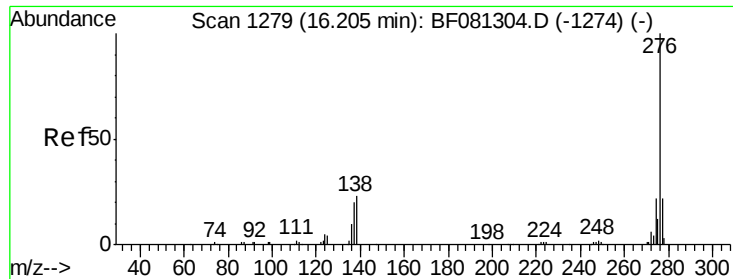
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#90
Dibenzo(a,h)anthracene
Concen: 5.90 ng
RT: 25.88 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BF081605.D
Acq: 14 Sep 2015 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	29890		
139	16.1	26.3	39.5	
279	25.3	18.2	27.4	





#91
 Benzo(g,h,i)perylene
 Concen: 18.39 ng
 RT: 26.18 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: BF081605.D
 Acq: 14 Sep 2015 13:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-19(0-0.16)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.8	26.6
138	16.3	34.6	51.8#

Manual Integrations
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