

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081633.D
 Acq On : 15 Sep 2015 17:15
 Operator : UM/IZ
 Sample : G3597-15 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Manual Integrations
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 9/16/2015 1:23:40 PM

Quant Time: Sep 15 18:17:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	47176	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	187011	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	80891	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	150934	20.00	ng	0.00
75) Chrysene-d12	23.38	240	101779	20.00	ng	0.00
86) Perylene-d12	24.81	264	83213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	49295	16.21	ng	0.01
7) Phenol-d6	7.62	99	71987	17.89	ng	-0.02
23) Nitrobenzene-d5	9.50	82	45240	11.67	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	10334	14.35	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	79010	12.52	ng	-0.02
78) Terphenyl-d14	22.10	244	56961	13.03	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.81	163	15963	2.54	ng	98
57) Fluorene	16.55	166	14499	2.41	ng	98
70) Phenanthrene	18.81	178	202278	24.11	ng	96
71) Anthracene	18.93	178	39847	4.62	ng	99
74) Fluoranthene	21.43	202	232272	25.57	ng	87
77) Pyrene	21.77	202	229898	30.49	ng	97
79) Butylbenzylphthalate	22.80	149	8607	2.63	ng	# 73
80) Benzo(a)anthracene	23.37	228	85679	13.22	ng	97
82) Chrysene	23.41	228	95664	16.46	ng	94
83) Bis(2-ethylhexyl)phthalate	23.49	149	17831	4.12	ng	# 85
85) Indeno(1,2,3-cd)pyrene	25.86	276	36836m	8.64	ng	
87) Benzo(b)fluoranthene	24.48	252	102982m	17.33	ng	
88) Benzo(k)fluoranthene	24.49	252	26578m	5.39	ng	
89) Benzo(a)pyrene	24.77	252	67017	13.31	ng	# 87
90) Dibenzo(a,h)anthracene	25.88	278	10605	2.73	ng	# 81
91) Benzo(g,h,i)perylene	26.17	276	34898	9.40	ng	# 72

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

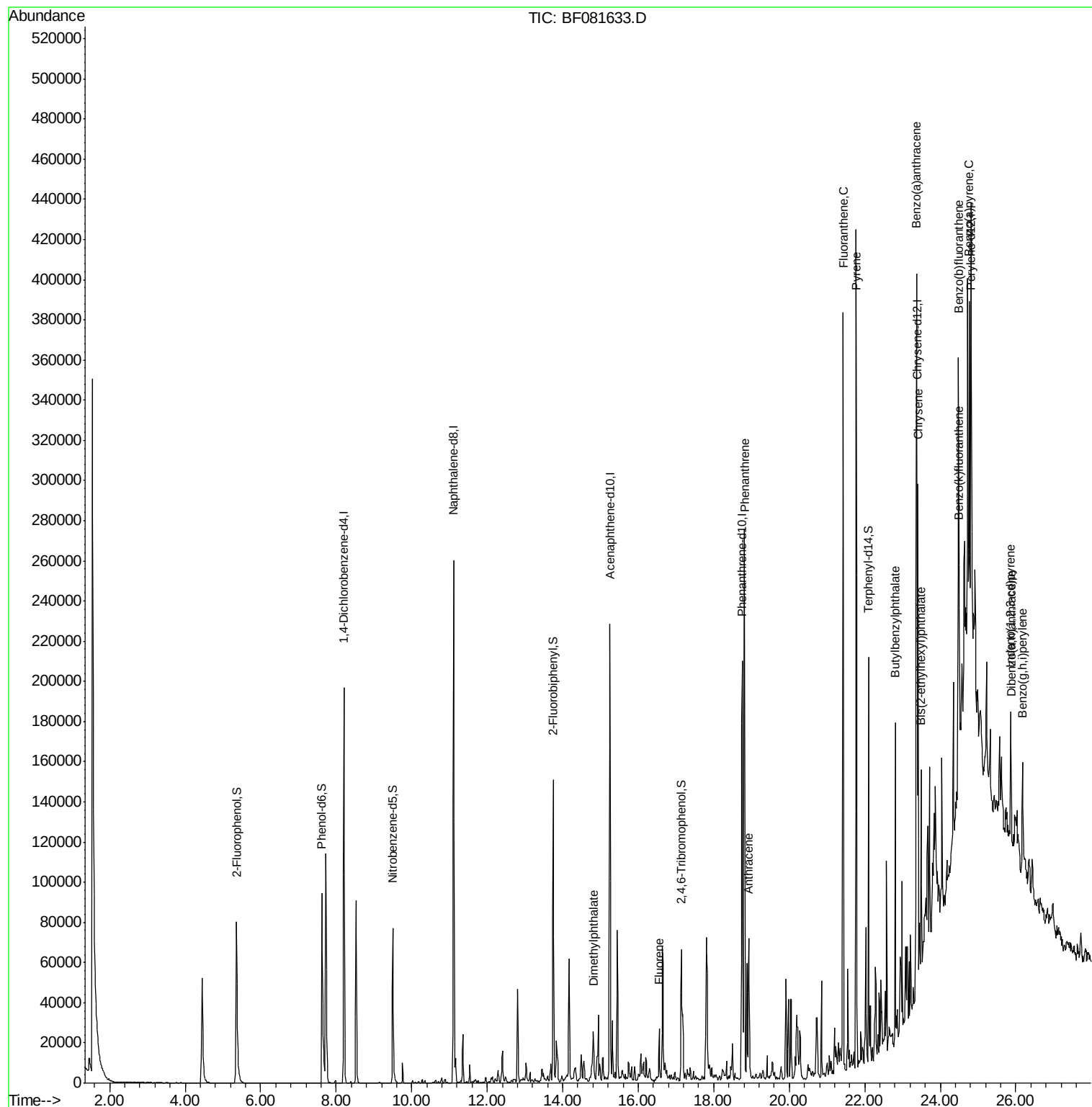
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081633.D
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ALS Vial : 10 Sample Multiplier: 1

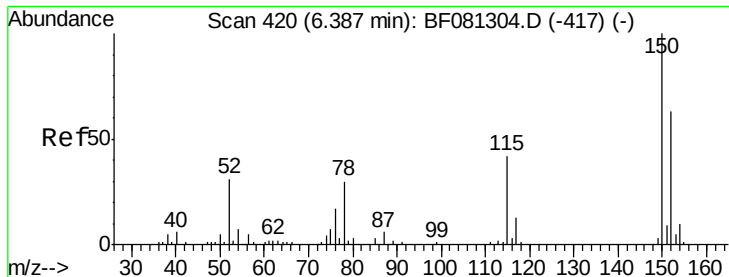
Instrument :
BNA_F
Client Sample ID :
GP-15(0-5)

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Quant Time: Sep 15 18:17:06 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

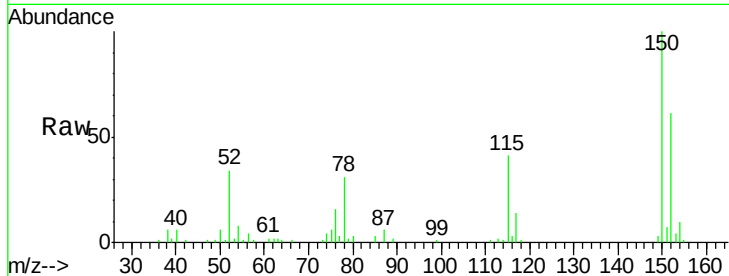




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

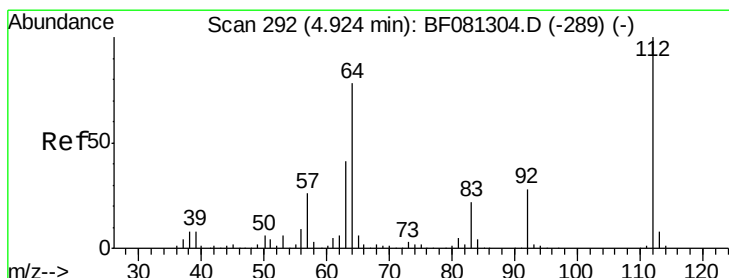
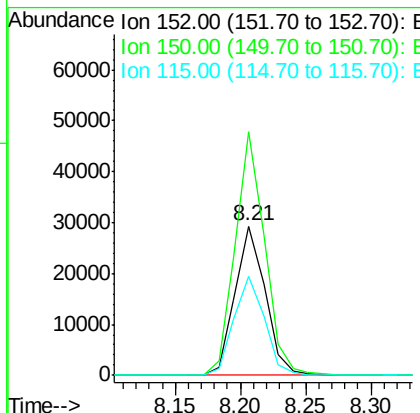
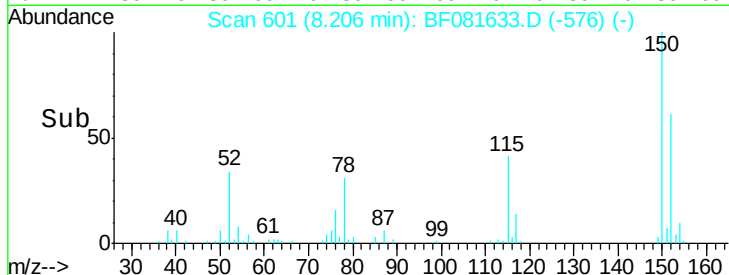
Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.9	124.7	187.1
115	66.3	39.0	58.4#

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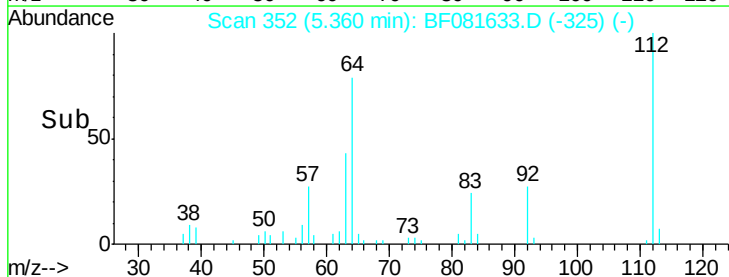
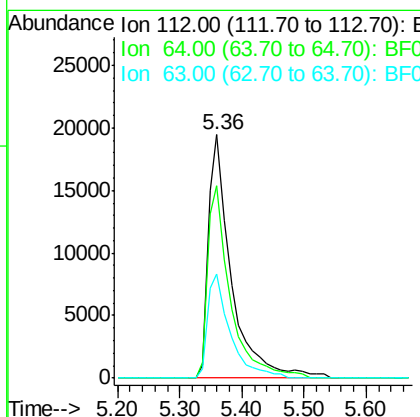
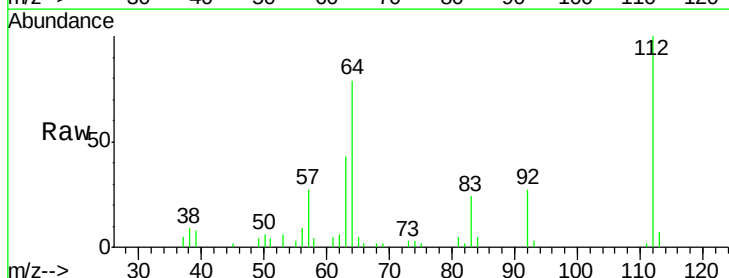
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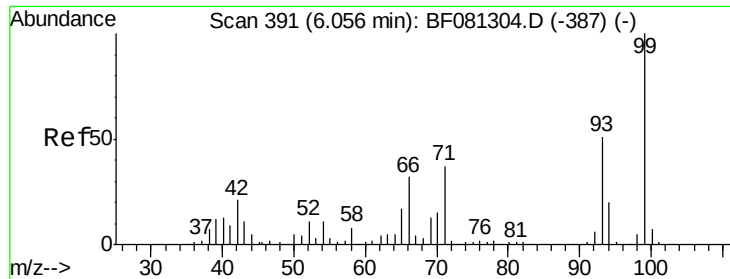


#5

2-Fluorophenol
Concen: 16.21 ng
RT: 5.36 min Scan# 352
Delta R.T. 0.01 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.0	39.7	59.5#
63	42.8	17.4	26.0#





#7

Phenol-d6

Concen: 17.89 ng

RT: 7.62 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF081633.D

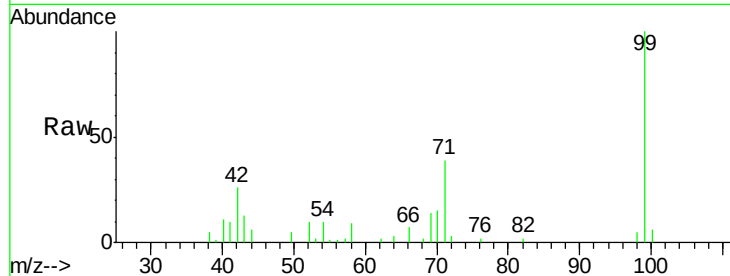
Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

GP-15(0-5)



Tgt Ion: 99 Resp: 71987

Ion Ratio Lower Upper

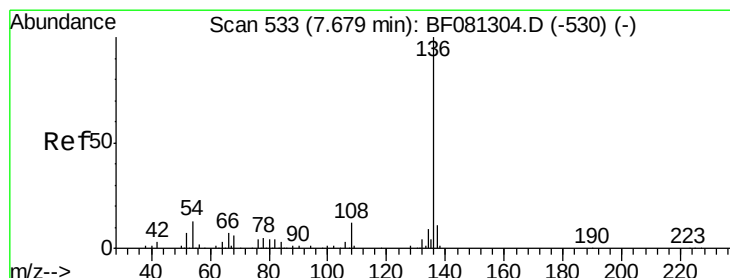
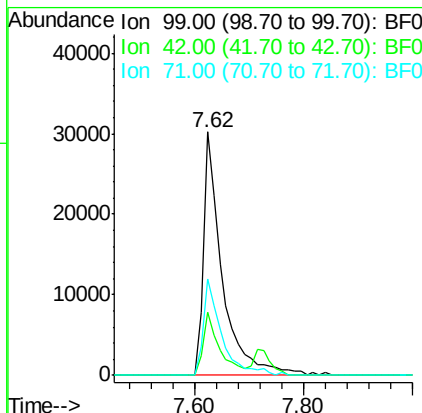
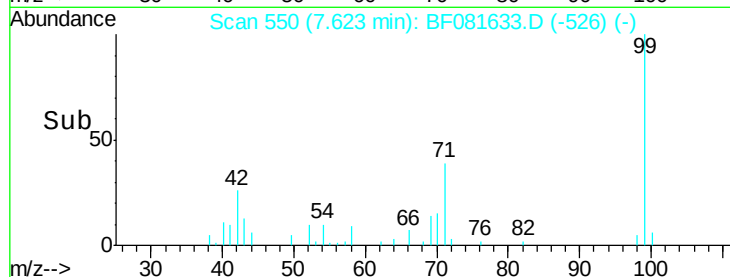
99 100

42 26.2 13.7 20.5#

71 39.5 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.11 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Tgt Ion: 136 Resp: 187011

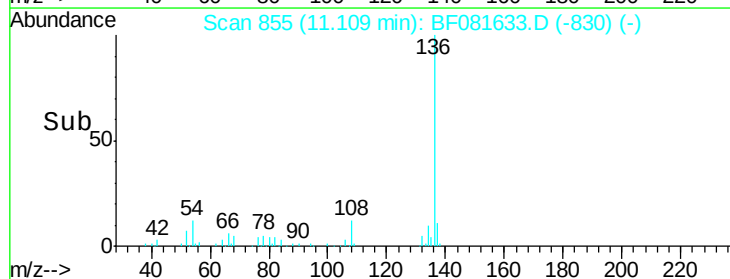
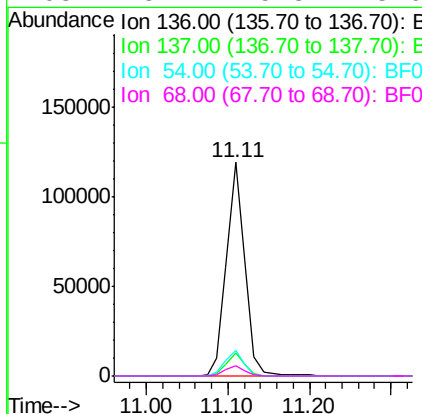
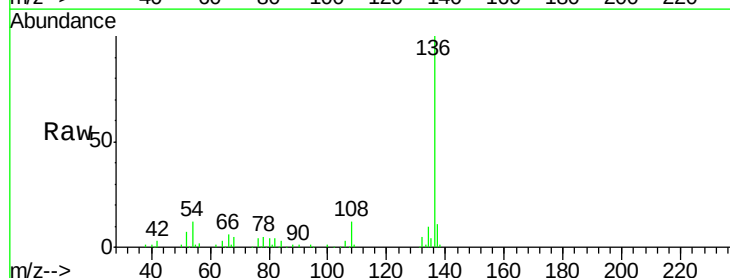
Ion Ratio Lower Upper

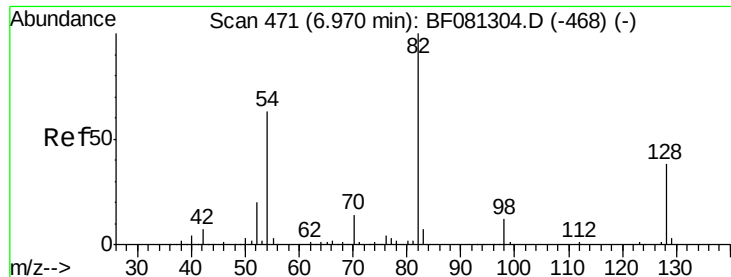
136 100

137 10.9 9.0 13.6

54 12.0 8.2 12.2

68 5.1 5.8 8.6#





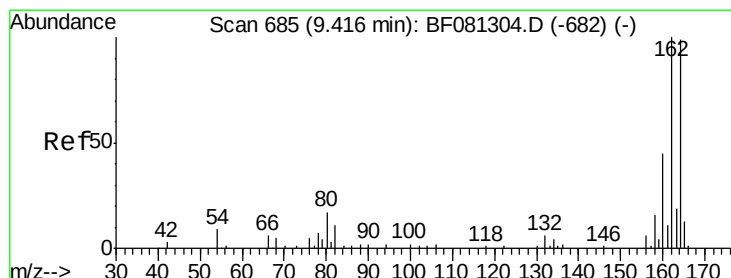
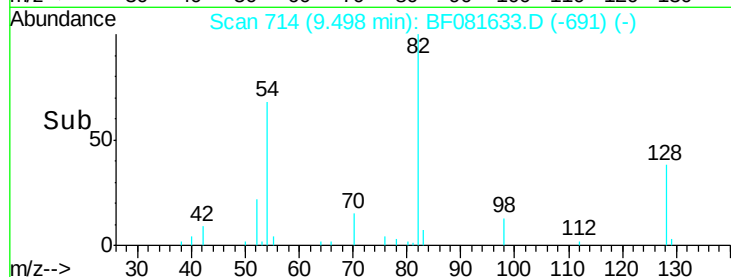
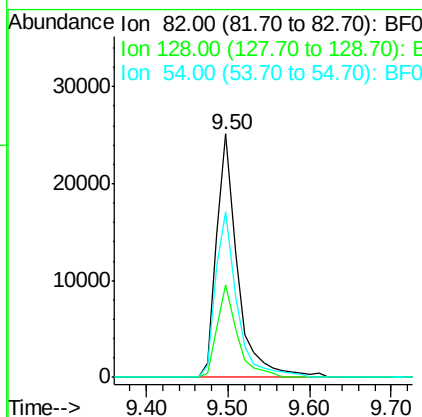
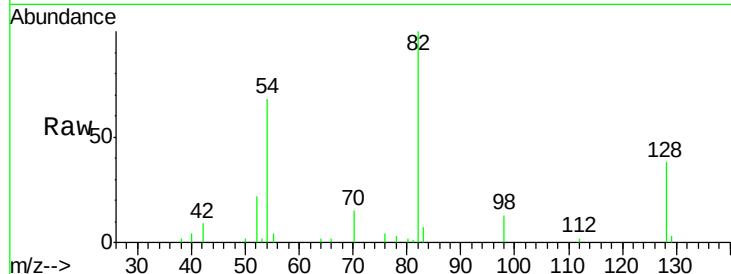
#23
 Nitrobenzene-d5
 Concen: 11.67 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.0	51.0	76.6#
54	67.8	47.5	71.3

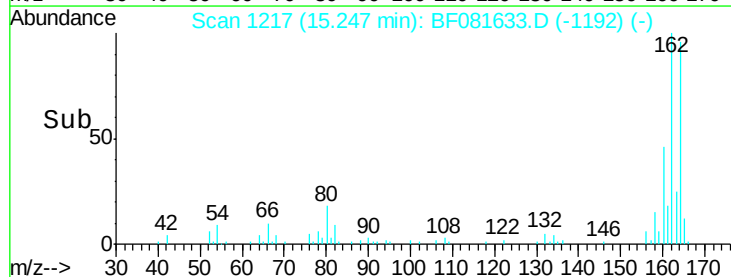
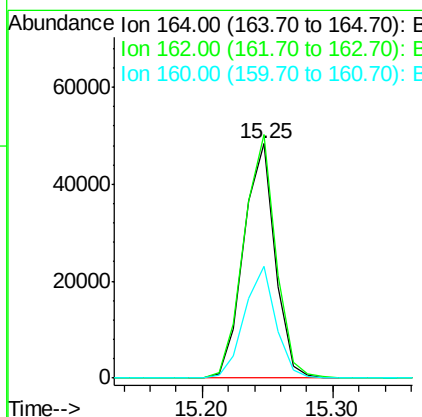
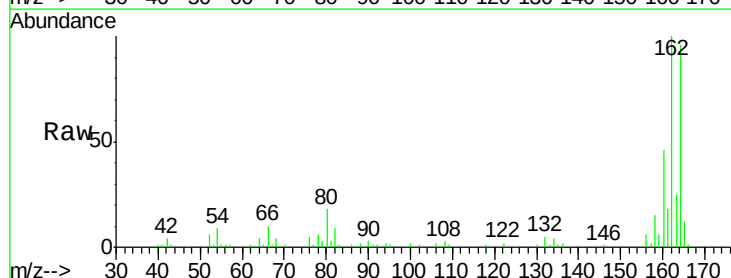
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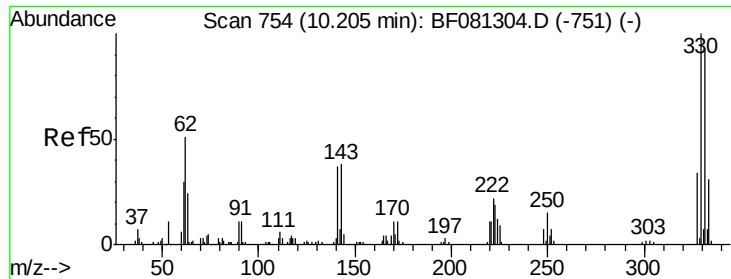
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	75.2	112.8
160	47.6	31.5	47.3#





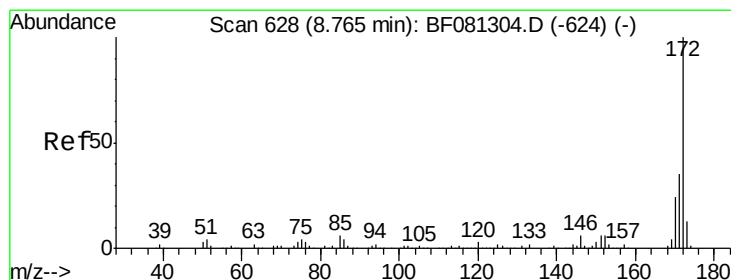
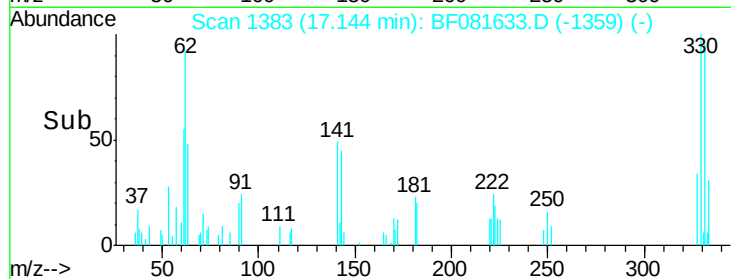
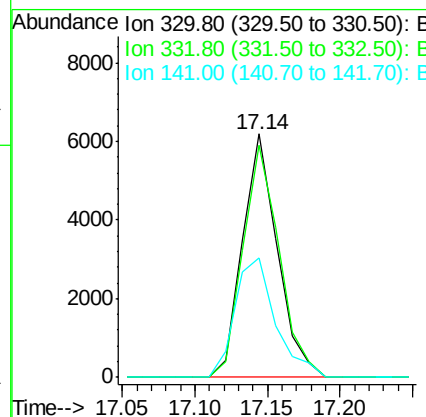
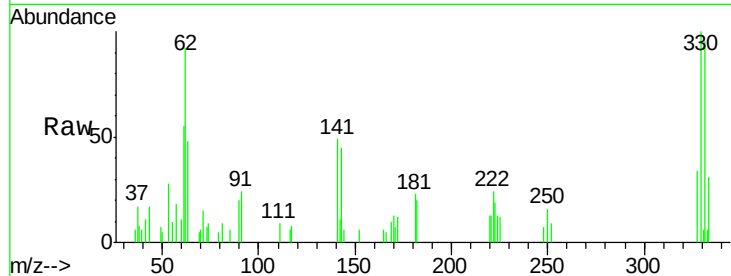
#41
 2,4,6-Tribromophenol
 Concen: 14.35 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.6	114.8
141	56.9	29.7	44.5#

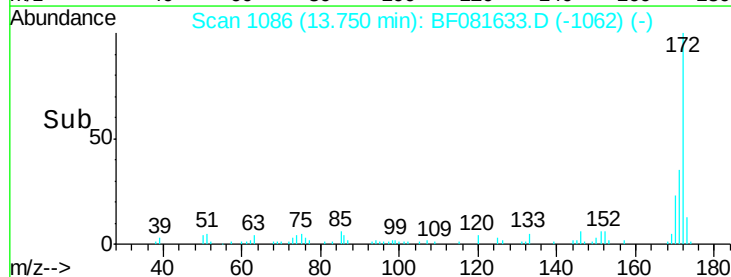
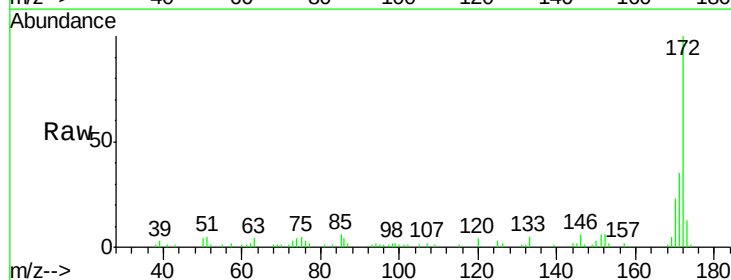
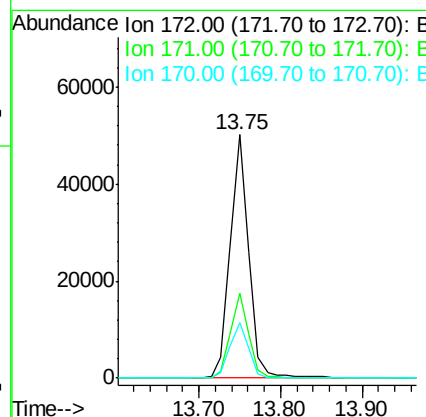
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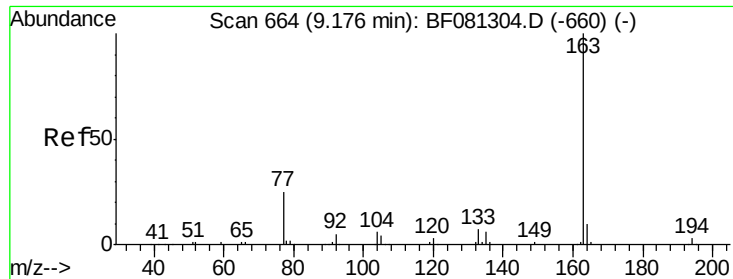
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#44
 2-Fluorobiphenyl
 Concen: 12.52 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.1	39.1
170	22.8	17.4	26.2





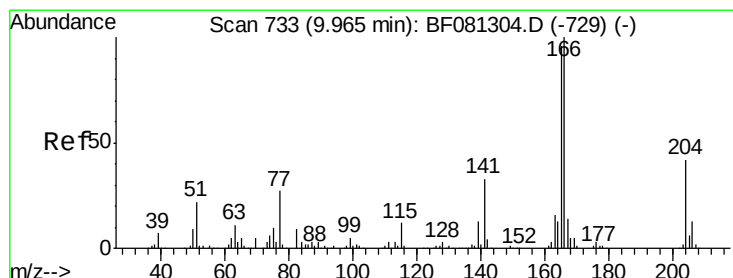
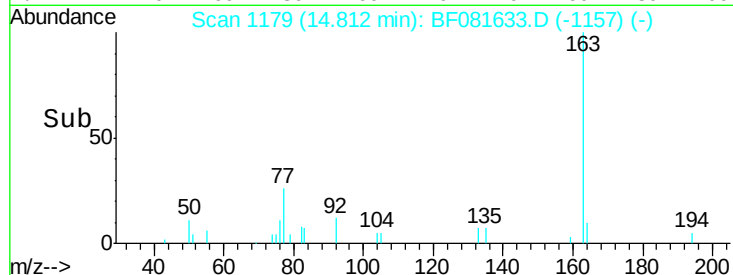
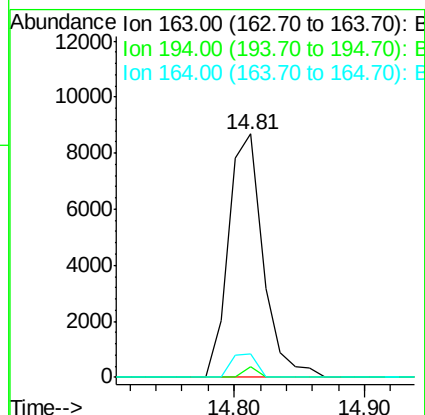
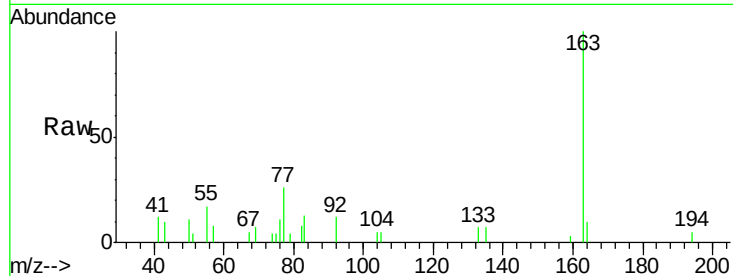
#49
Dimethylphthalate
Concen: 2.54 ng
RT: 14.81 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		15963		
194	4.6		4.4	6.6	
164	9.8		8.3	12.5	

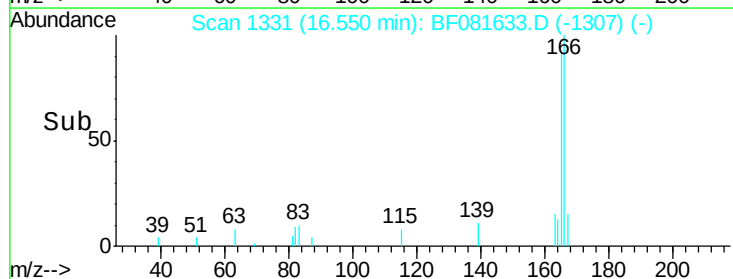
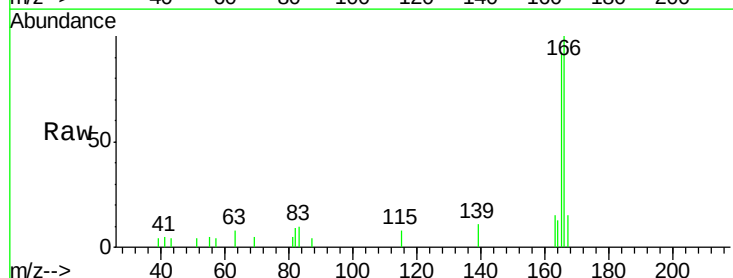
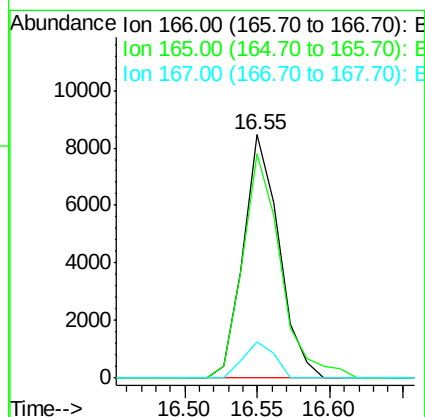
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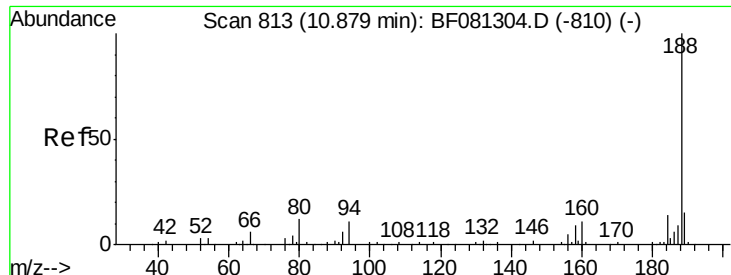
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#57
Fluorene
Concen: 2.41 ng
RT: 16.55 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		14499		
165	92.0		72.6	109.0	
167	14.7		10.6	16.0	





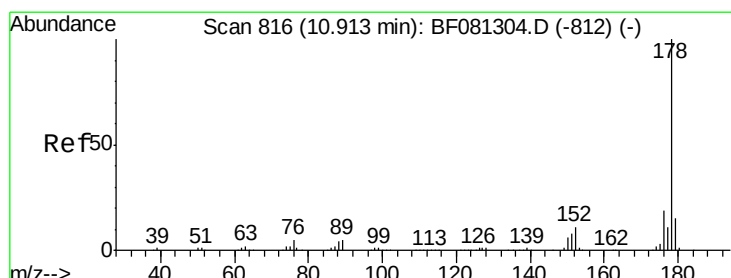
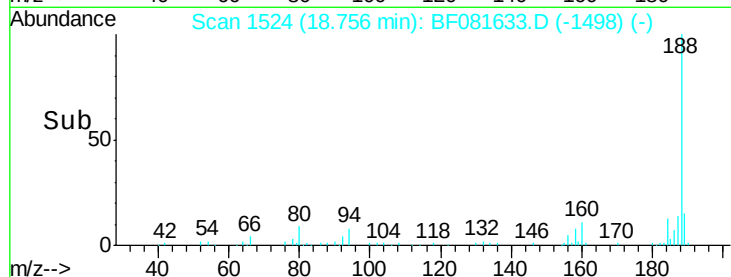
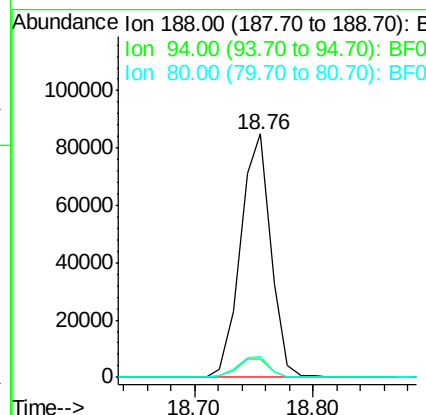
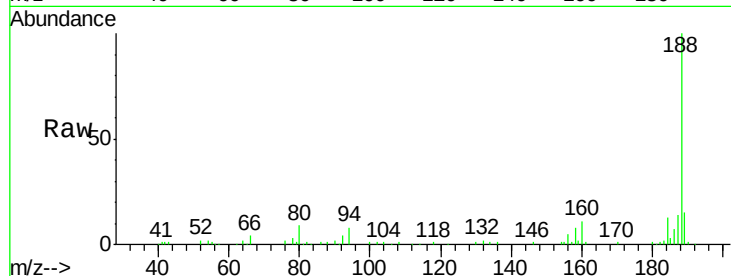
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.76 min Scan# 1524
 Delta R.T. 0.00 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Instrument :
 BNA_F
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 GP-15(0-5)

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	11.1	16.7#
80	8.6	11.0	16.4#

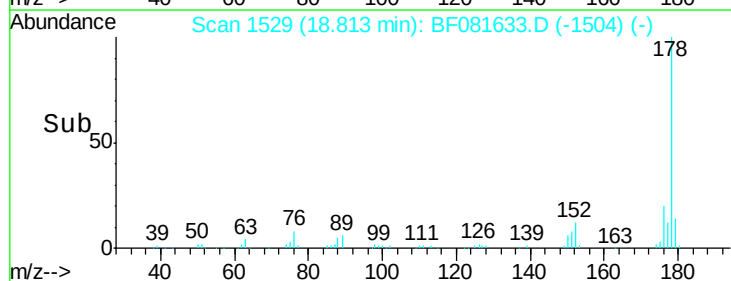
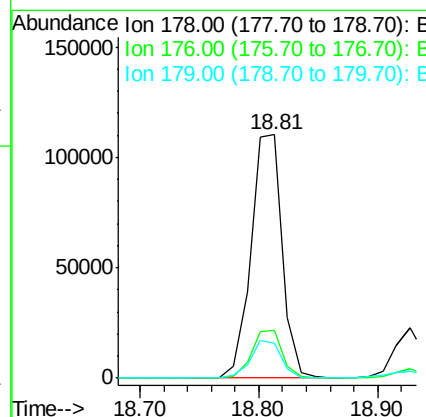
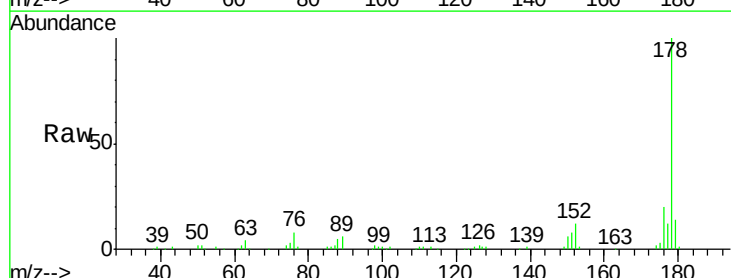
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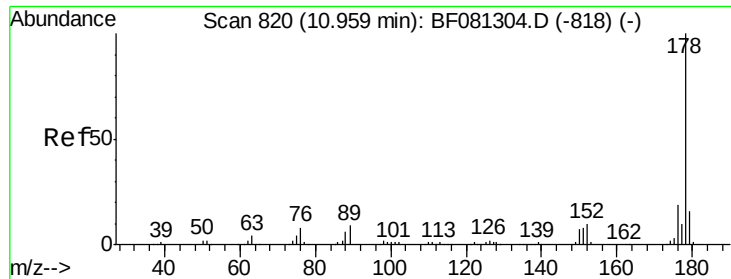
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#70
 Phenanthrene
 Concen: 24.11 ng
 RT: 18.81 min Scan# 1529
 Delta R.T. -0.01 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	13.8	20.8
179	14.3	12.2	18.2





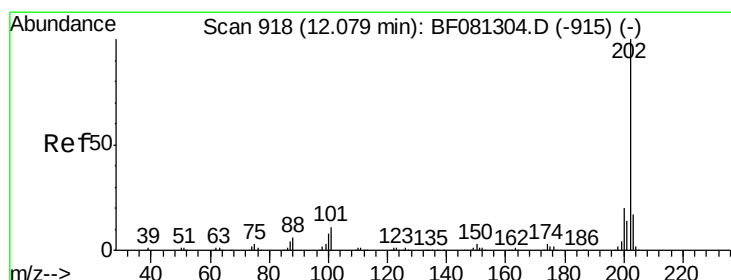
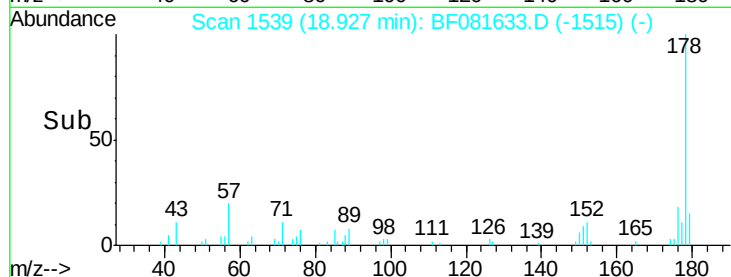
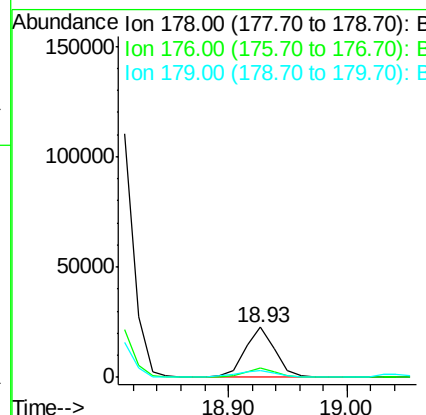
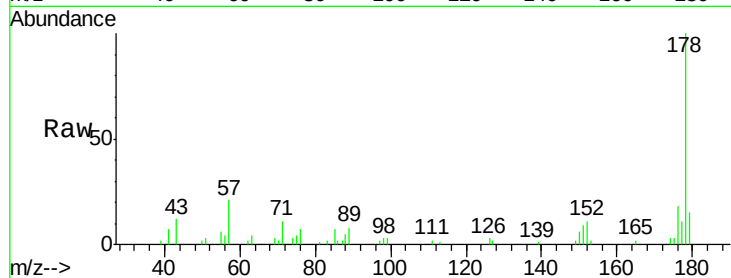
#71
 Anthracene
 Concen: 4.62 ng
 RT: 18.93 min Scan# 1539
 Delta R.T. -0.02 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Instrument :
 BNA_F
 ClientSampleId :
 GP-15(0-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.1	21.1
179	14.6	12.2	18.2

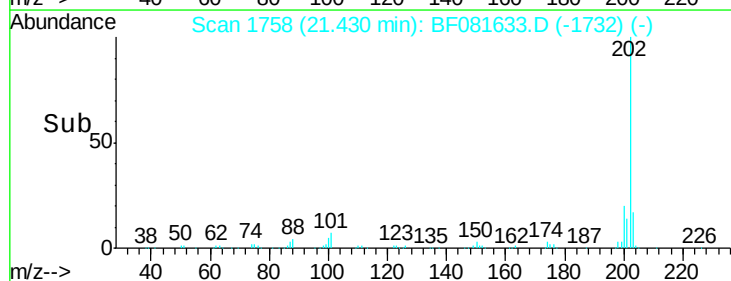
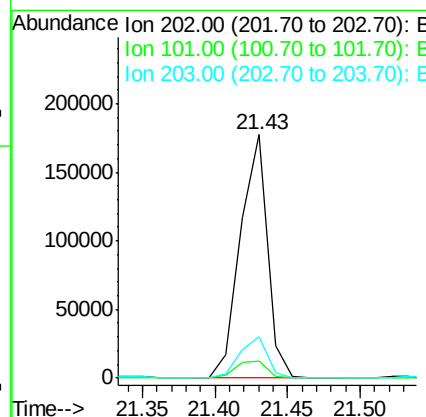
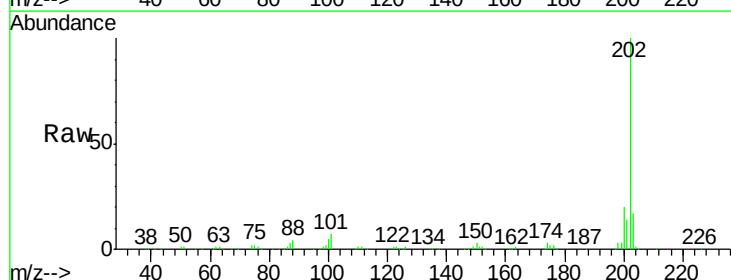
Manual Integrations
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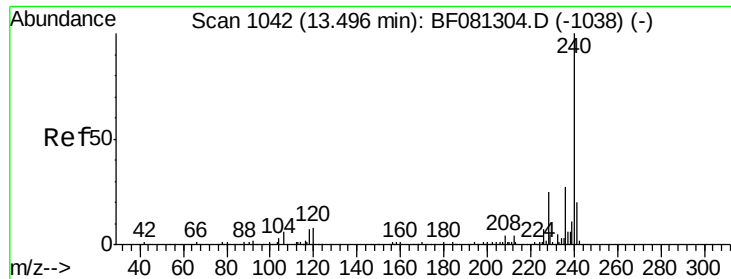
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#74
 Fluoranthene
 Concen: 25.57 ng
 RT: 21.43 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: BF081633.D
 Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	38.3
203	17.1	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.38 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

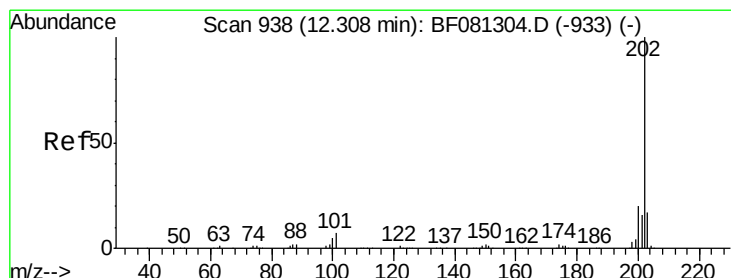
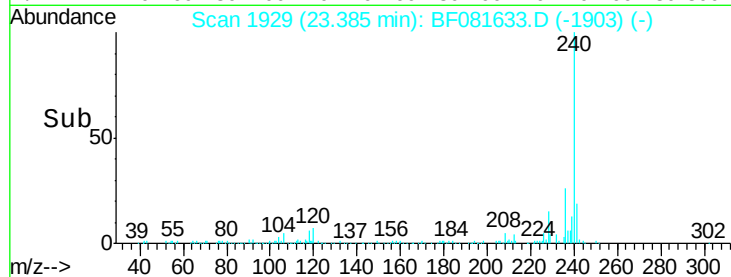
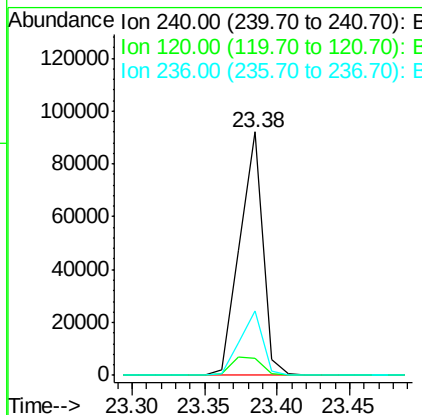
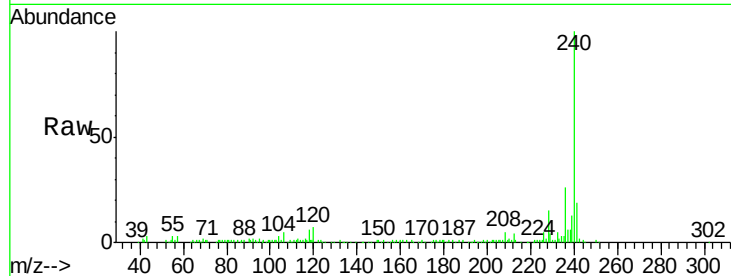
ClientSampleId :

GP-15(0-5)

Tgt Ion:	240	Resp:	101779
Ion Ratio		Lower	Upper
240	100		
120	7.3	16.2	24.2#
236	26.4	18.4	27.6

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#77

Pyrene

Concen: 30.49 ng

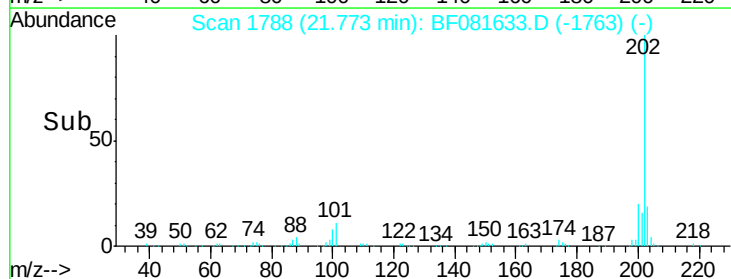
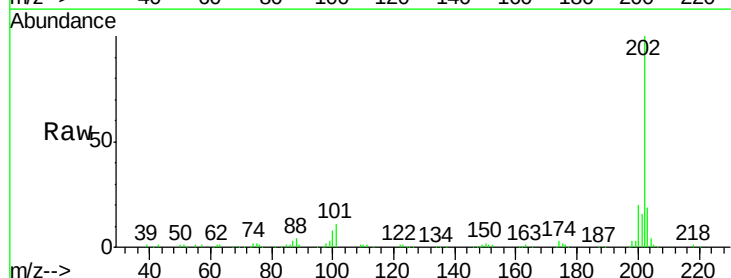
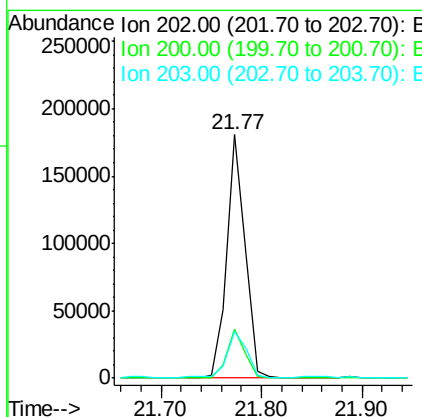
RT: 21.77 min Scan# 1788

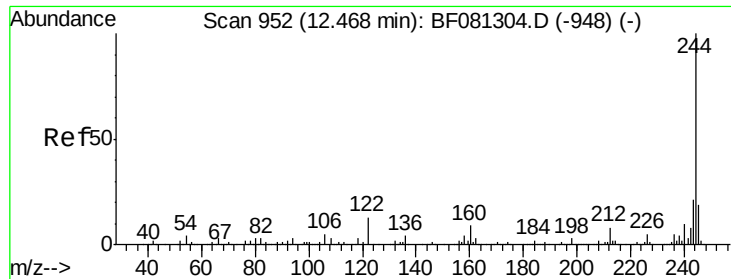
Delta R.T. -0.01 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Tgt Ion:	202	Resp:	229898
Ion Ratio		Lower	Upper
202	100		
200	19.9	15.0	22.4
203	19.1	14.1	21.1





#78

Terphenyl-d14

Concen: 13.03 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081633.D

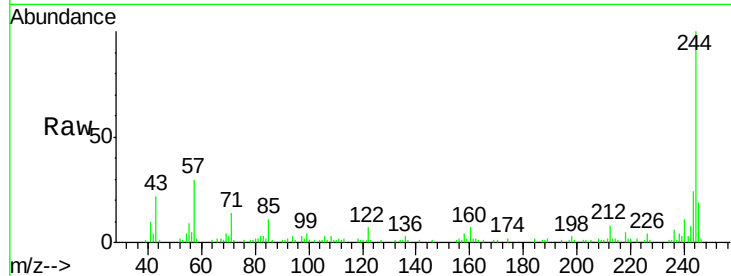
Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

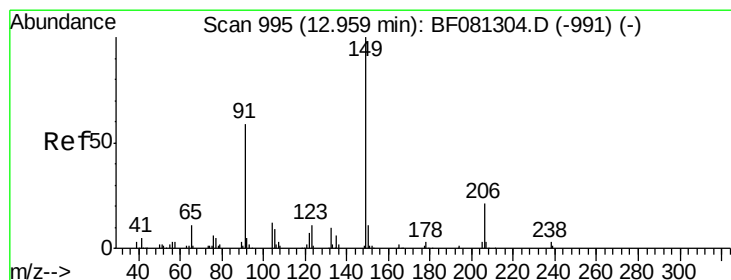
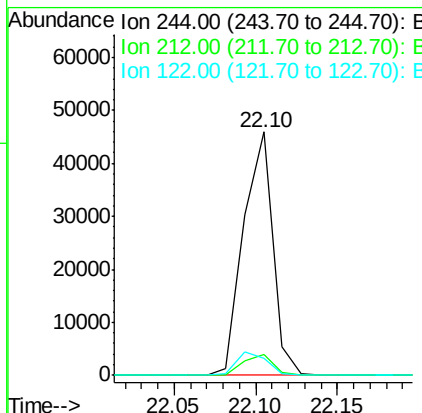
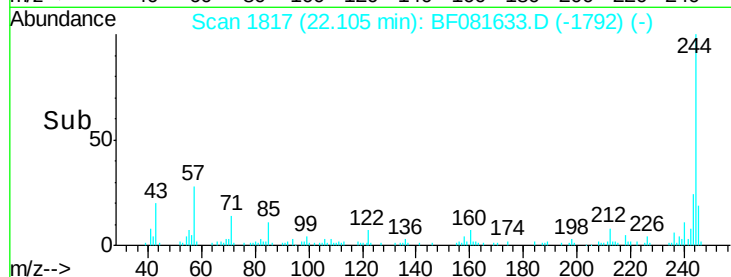
GP-15(0-5)



Tgt Ion:	244	Resp:	56961
Ion Ratio	Lower	Upper	
244	100		
212	8.3	4.3	6.5#
122	7.2	17.4	26.2#

Manual Integrations
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#79

Butylbenzylphthalate

Concen: 2.63 ng

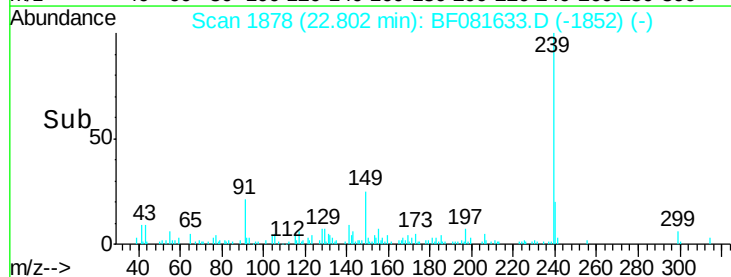
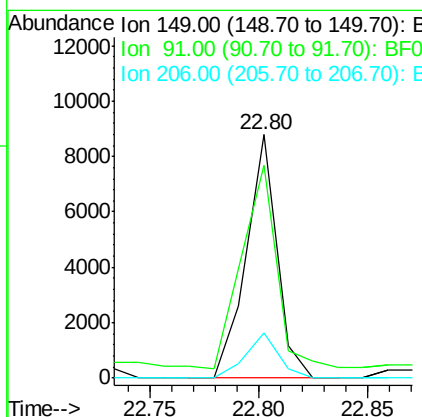
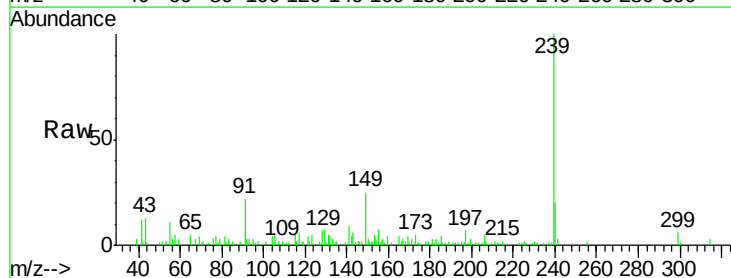
RT: 22.80 min Scan# 1878

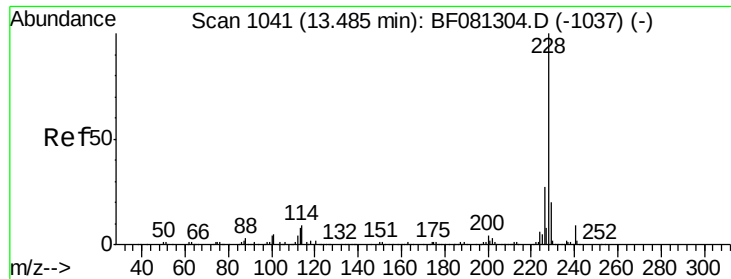
Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Tgt Ion:	149	Resp:	8607
Ion Ratio	Lower	Upper	
149	100		
91	87.3	48.6	72.8#
206	18.6	14.9	22.3





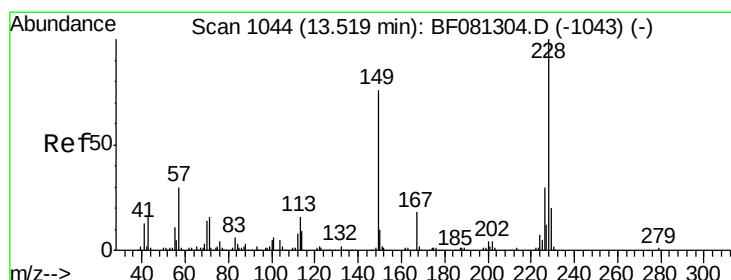
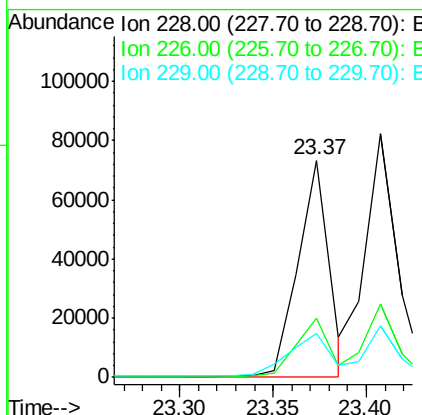
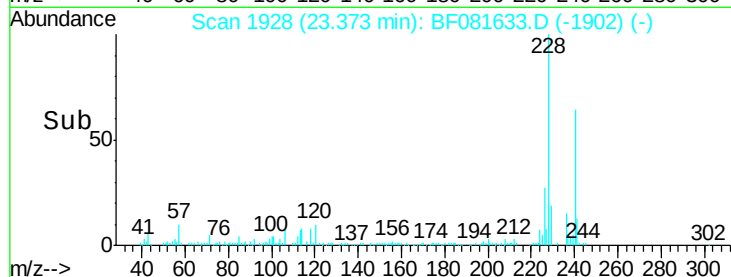
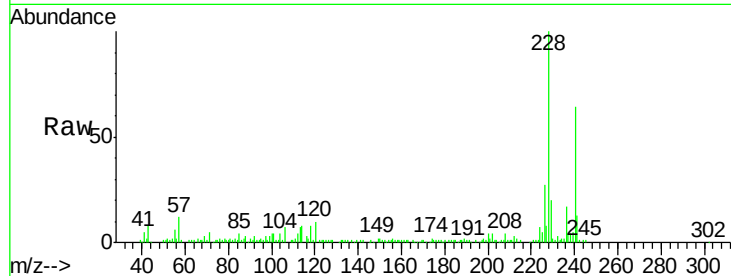
#80
Benzo(a)anthracene
Concen: 13.22 ng
RT: 23.37 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	85679		
226	27.2	20.0	30.0	
229	20.3	15.4	23.2	

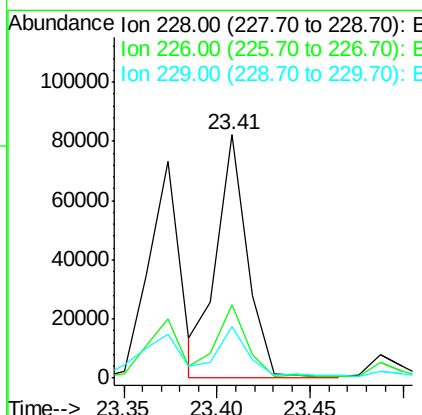
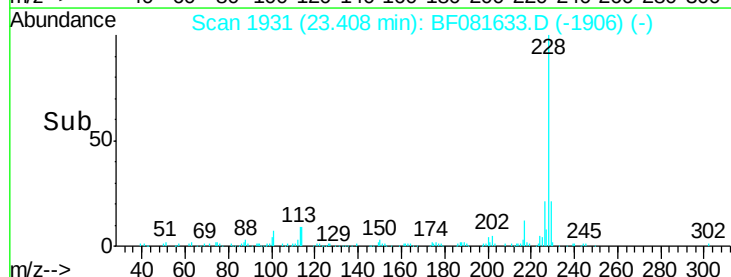
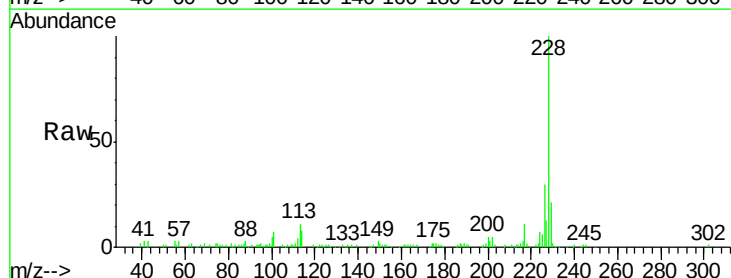
Manual Integrations
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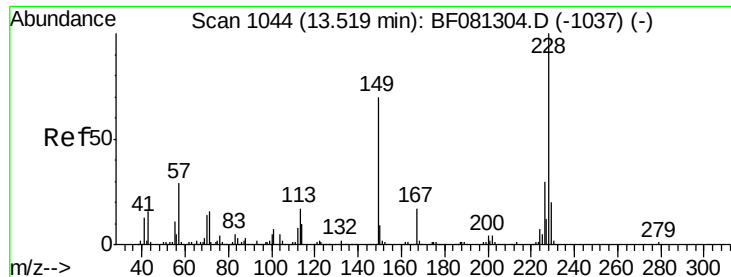
MMDadoda
9/16/2015 1:23:40 PM



#82
Chrysene
Concen: 16.46 ng
RT: 23.41 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	95664		
226	30.1	21.0	31.4	
229	21.0	15.6	23.4	





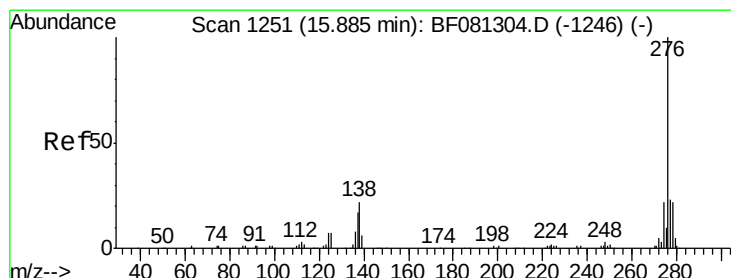
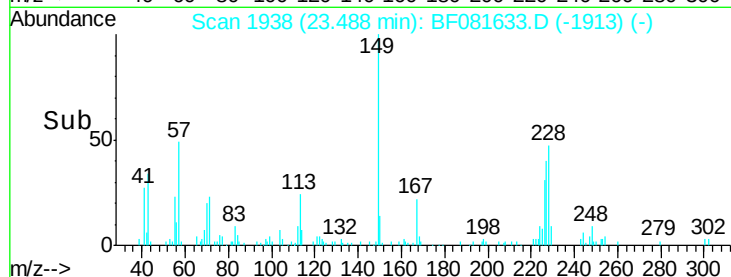
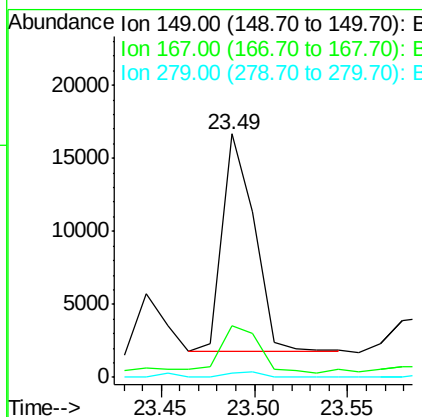
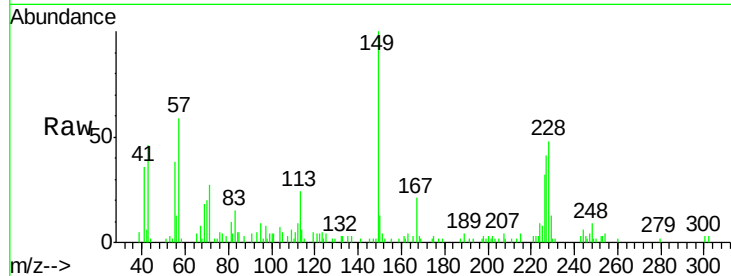
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.12 ng
RT: 23.49 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	17831		
167	21.5	24.2	36.2#	
279	1.9	3.8	5.6#	

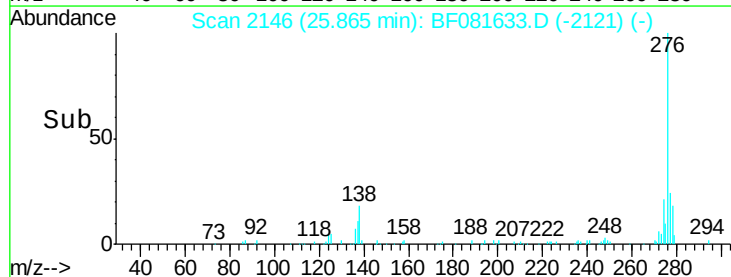
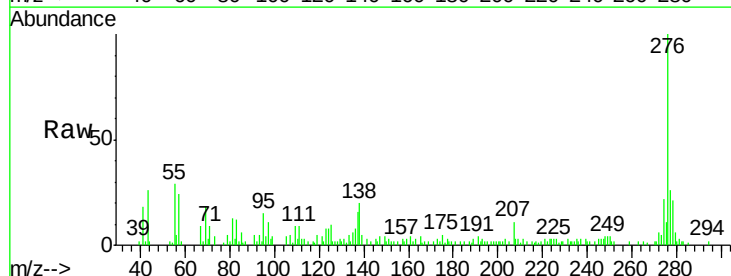
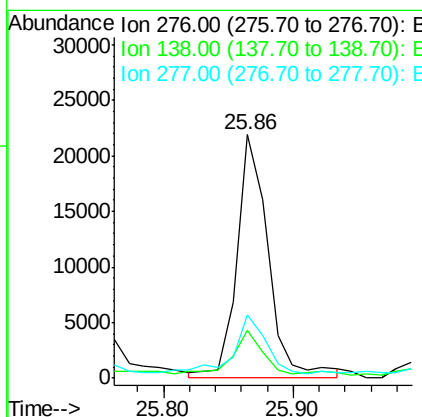
Manual Integrations
APPROVED

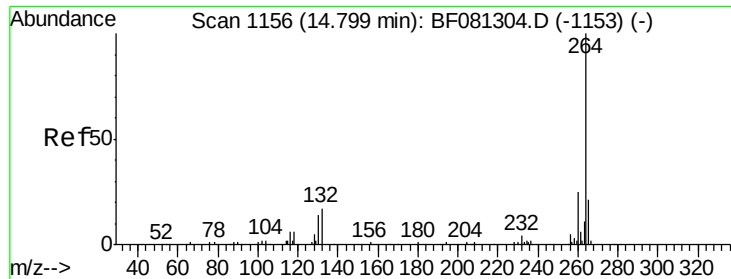
MMDadoda
9/16/2015 1:23:40 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.64 ng m
RT: 25.86 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	36836		
138	8.9	25.7	38.5#	
277	6.3	15.6	23.4#	





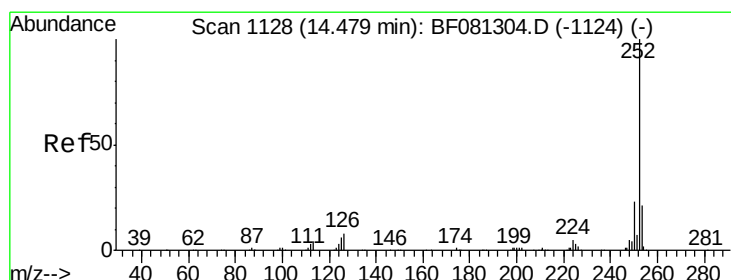
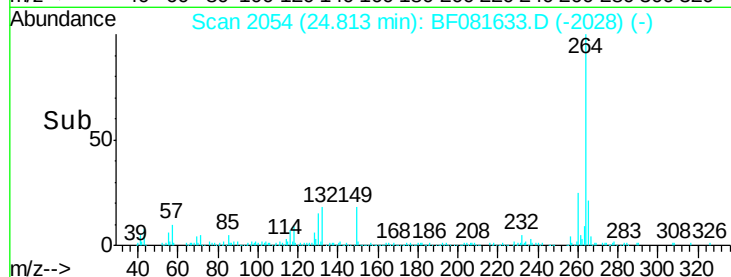
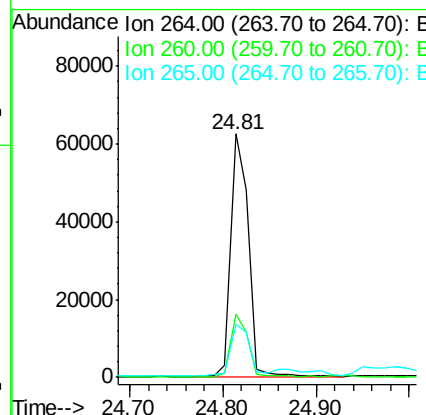
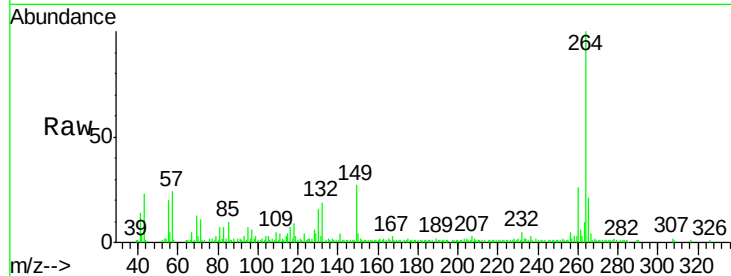
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Instrument :
BNA_F
ClientSampleId :
GP-15(0-5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	16.7	25.1#
265	21.5	17.2	25.8

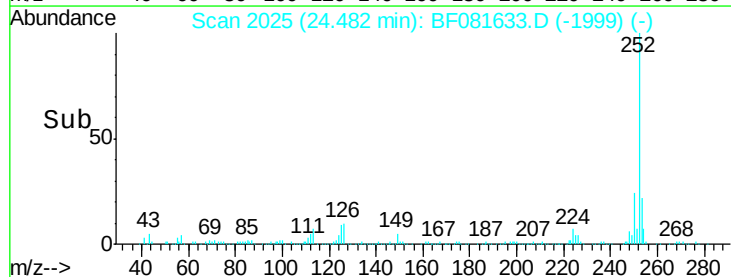
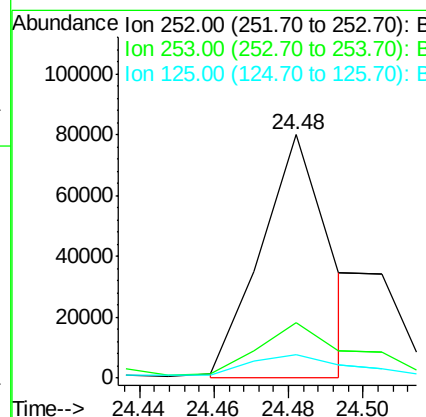
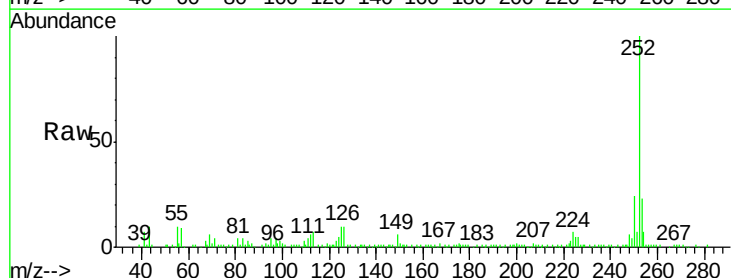
Manual Integrations
APPROVED

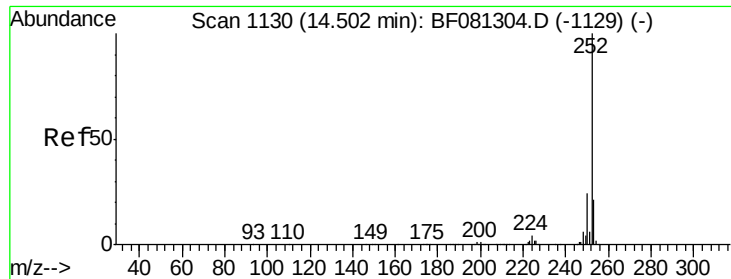
MMDadoda
9/16/2015 1:23:40 PM



#87
Benzo(b)fluoranthene
Concen: 17.33 ng m
RT: 24.48 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF081633.D
Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	9.9	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 5.39 ng m

RT: 24.49 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF081633.D

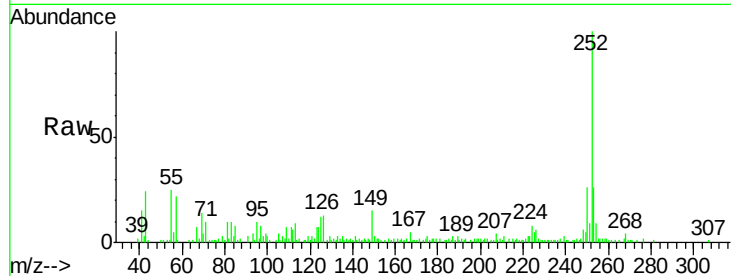
Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampled :

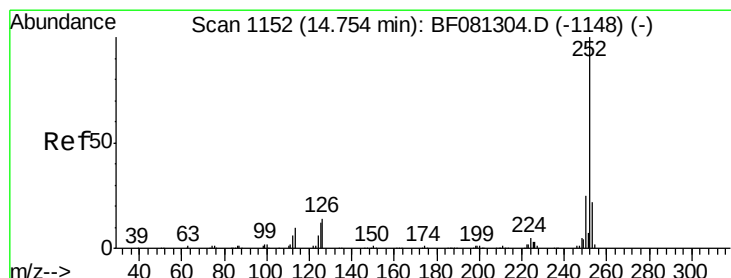
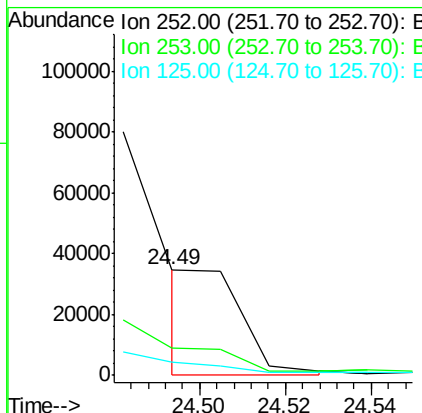
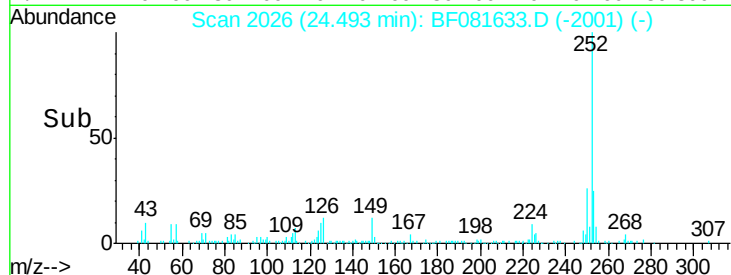
GP-15(0-5)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.4#
125	12.1	16.0	24.0#

Manual Integrations
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9/16/2015 1:23:40 PM



#89

Benzo(a)pyrene

Concen: 13.31 ng

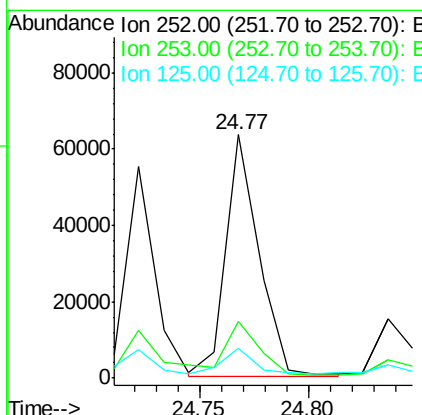
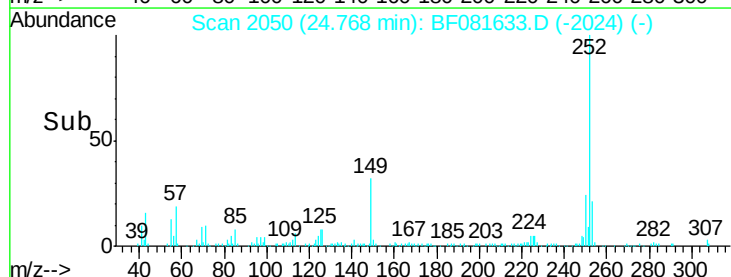
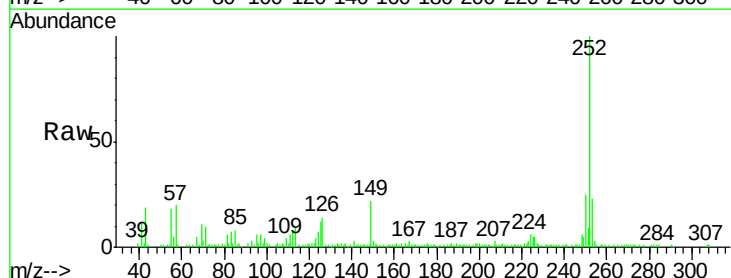
RT: 24.77 min Scan# 2050

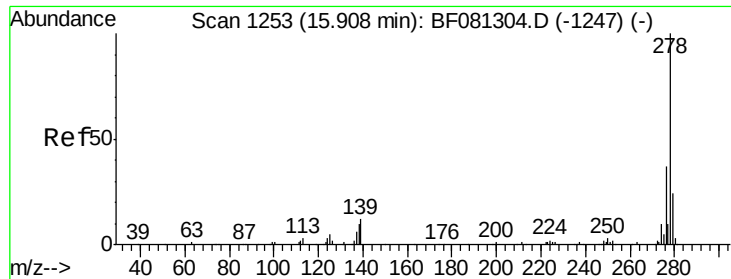
Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.1	18.0	27.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.73 ng

RT: 25.88 min Scan# 2147

Delta R.T. -0.01 min

Lab File: BF081633.D

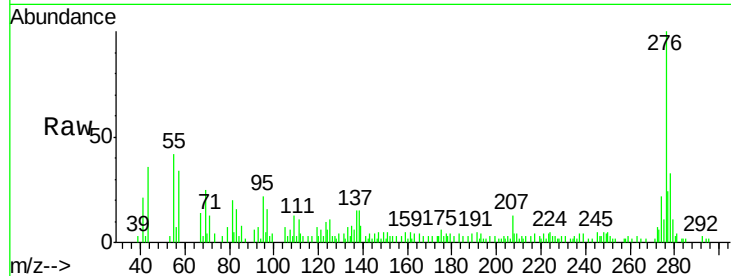
Acq: 15 Sep 2015 17:15

Instrument :

BNA_F

ClientSampleId :

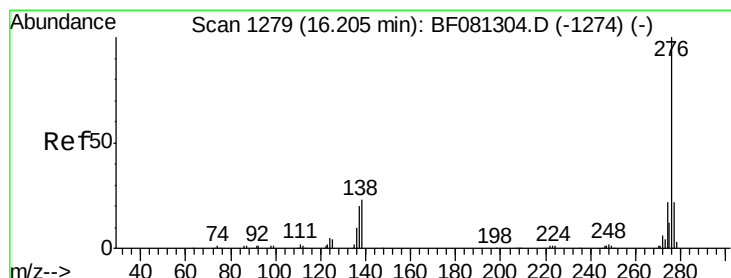
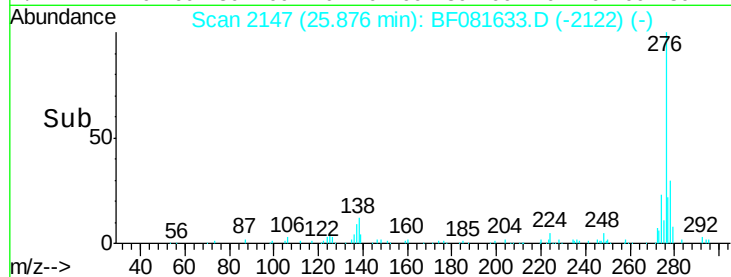
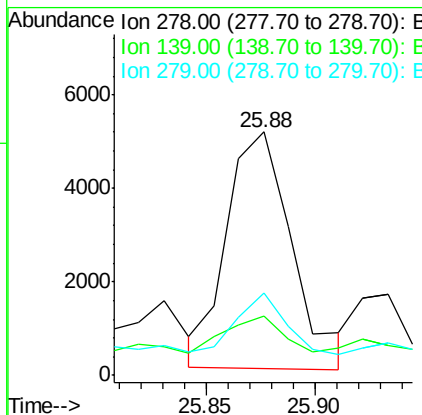
GP-15(0-5)



Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	26.3	39.5#
279	34.0	18.2	27.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.40 ng

RT: 26.17 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BF081633.D

Acq: 15 Sep 2015 17:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.8	26.6
138	18.1	34.6	51.8#

