

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081631.D
 Acq On : 15 Sep 2015 16:01
 Operator : UM/IZ
 Sample : G3597-13 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Manual Integrations
 APPROVED

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 9/16/2015 1:23:31 PM

Quant Time: Sep 15 16:41:44 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	47309	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	185287	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	83378	20.00	ng	-0.01
63) Phenanthrene-d10	18.74	188	162435	20.00	ng	-0.01
75) Chrysene-d12	23.37	240	106321	20.00	ng	-0.01
86) Perylene-d12	24.81	264	89542	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	51945	17.04	ng	0.01
7) Phenol-d6	7.62	99	75695	18.75	ng	-0.02
23) Nitrobenzene-d5	9.50	82	47769	12.44	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	12488	16.82	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	84128	12.93	ng	-0.02
78) Terphenyl-d14	22.10	244	60336	13.21	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.81	163	16621	2.57	ng	# 92
70) Phenanthrene	18.80	178	54526	6.04	ng	97
74) Fluoranthene	21.42	202	115760	11.84	ng	88
77) Pyrene	21.77	202	116270	14.76	ng	97
80) Benzo(a)anthracene	23.37	228	48473	7.16	ng	94
82) Chrysene	23.41	228	49876	8.22	ng	94
85) Indeno(1,2,3-cd)pyrene	25.86	276	24610	5.53	ng	# 81
87) Benzo(b)fluoranthene	24.48	252	54679m	8.55	ng	
88) Benzo(k)fluoranthene	24.48	252	25694m	4.84	ng	
89) Benzo(a)pyrene	24.77	252	44576	8.23	ng	# 85
91) Benzo(g,h,i)perylene	26.16	276	23369	5.85	ng	# 77

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

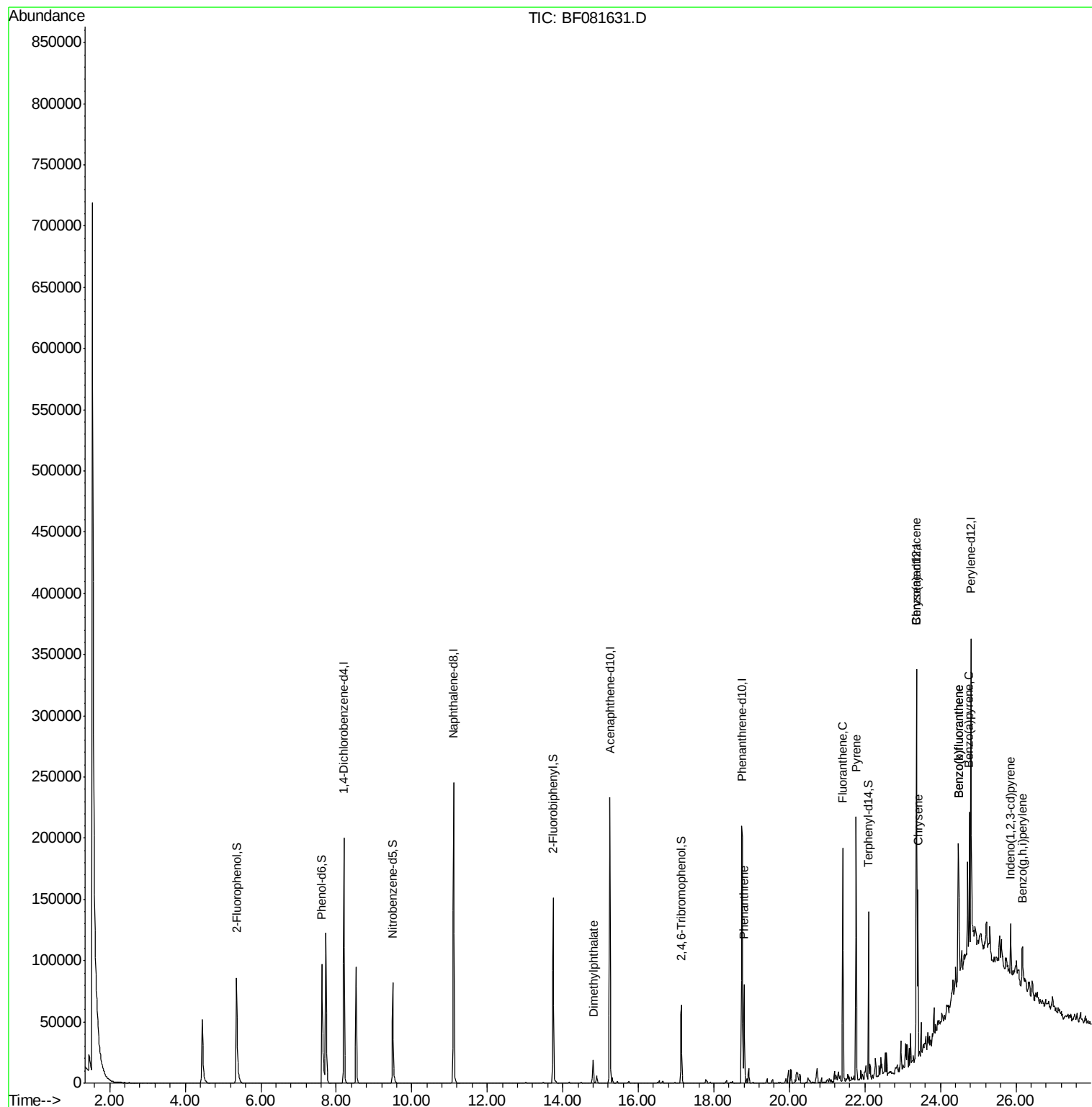
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081631.D
Acq On : 15 Sep 2015 16:01
Operator : UM/IZ
Sample : G3597-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

Manual Integrations
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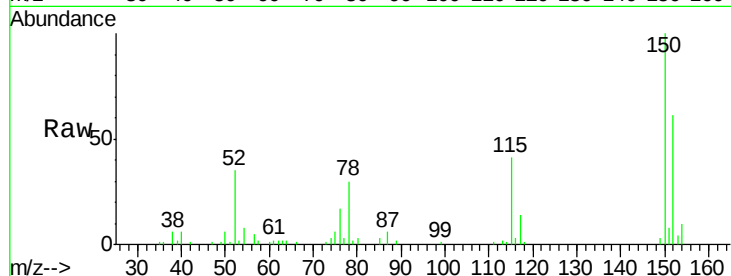




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

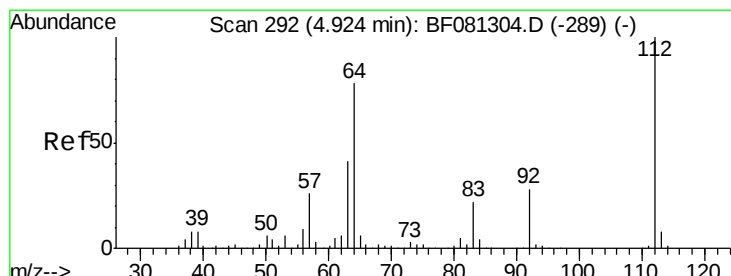
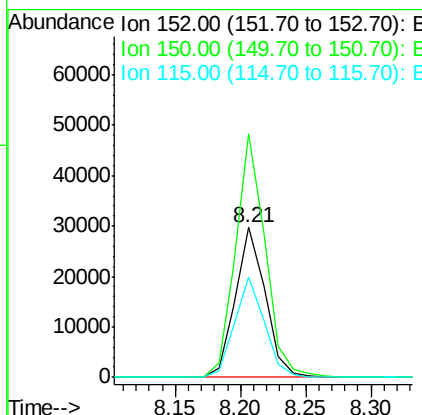
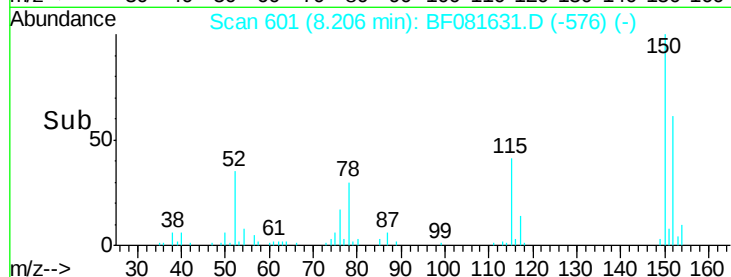
Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.8	124.7	187.1
115	66.9	39.0	58.4#

Manual Integrations
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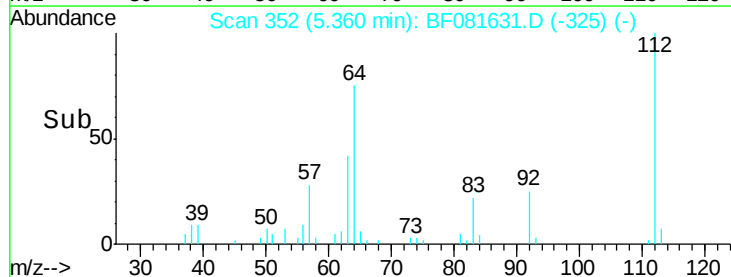
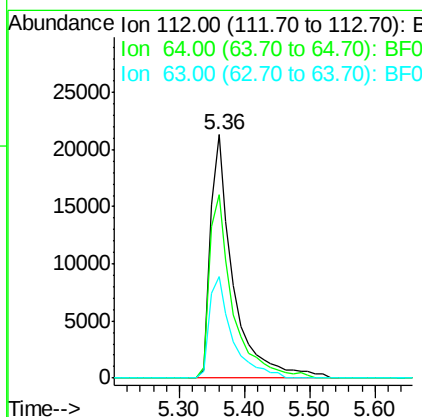
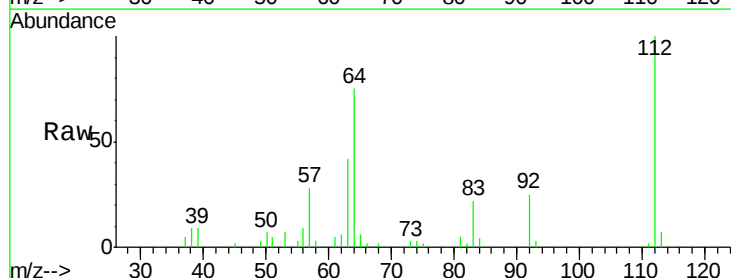
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#5

2-Fluorophenol
Concen: 17.04 ng
RT: 5.36 min Scan# 352
Delta R.T. 0.01 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.2	39.7	59.5#
63	41.8	17.4	26.0#





#7

Phenol-d6

Concen: 18.75 ng

RT: 7.62 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF081631.D

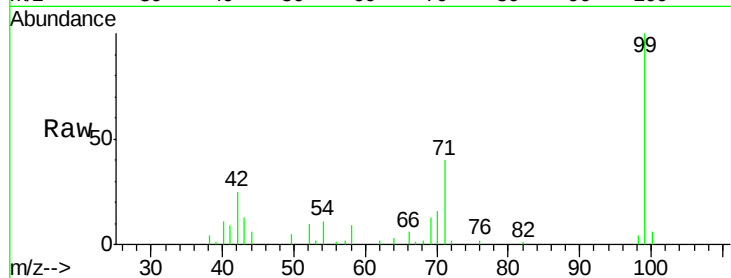
Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

GP-13(0-5)



Tgt Ion: 99 Resp: 75695

Ion Ratio Lower Upper

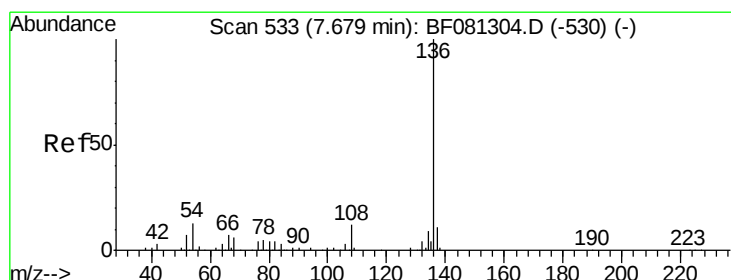
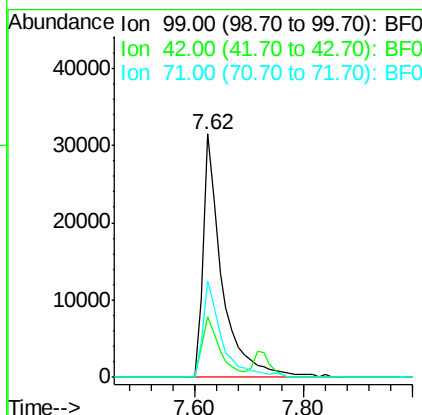
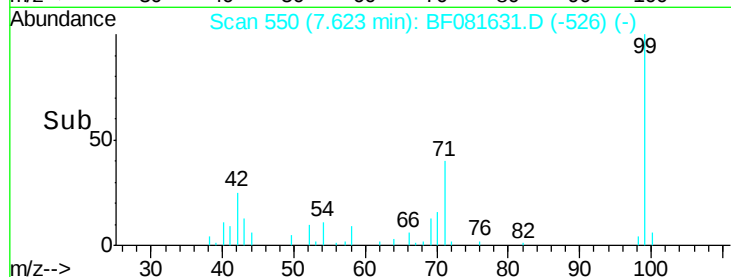
99 100

42 25.1 13.7 20.5#

71 39.7 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: BF081631.D

Acq: 15 Sep 2015 16:01

Tgt Ion: 136 Resp: 185287

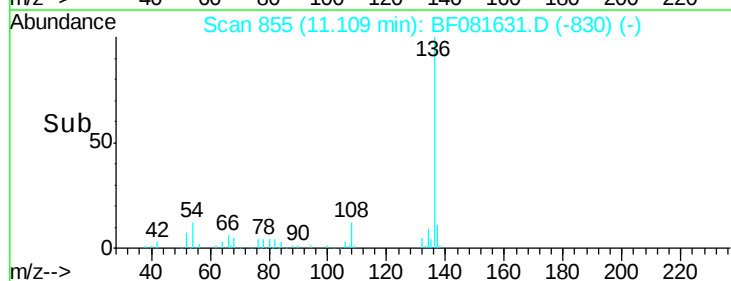
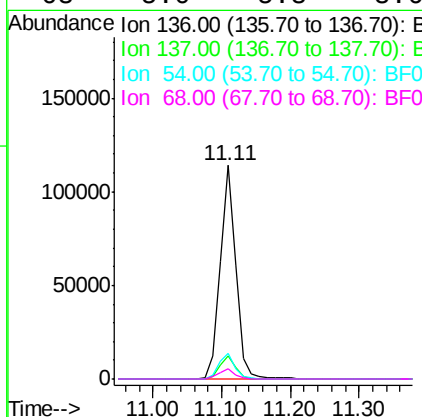
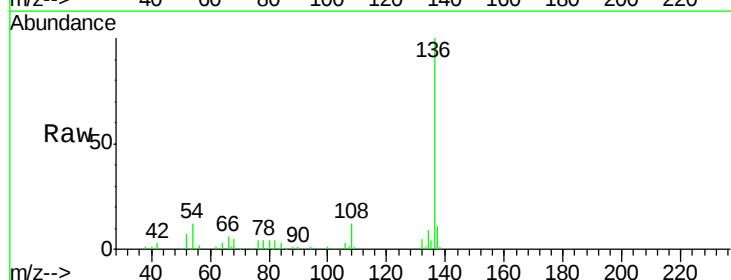
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 11.9 8.2 12.2

68 5.0 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 12.44 ng

RT: 9.50 min Scan# 714

Delta R.T. -0.03 min

Lab File: BF081631.D

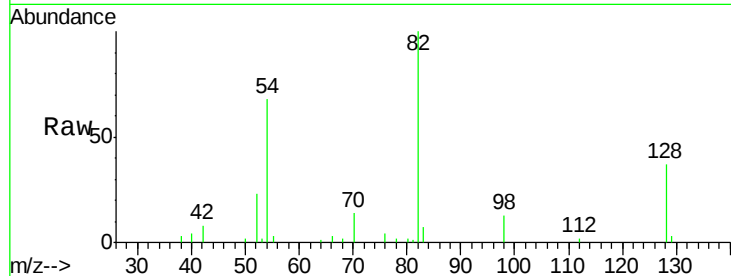
Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

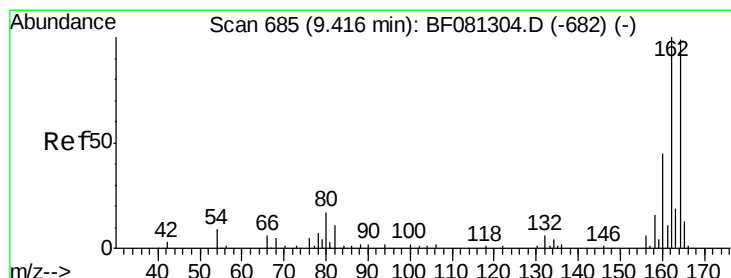
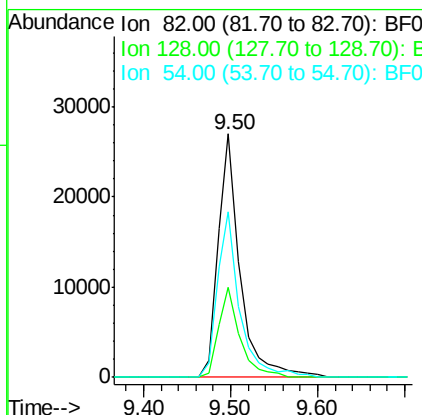
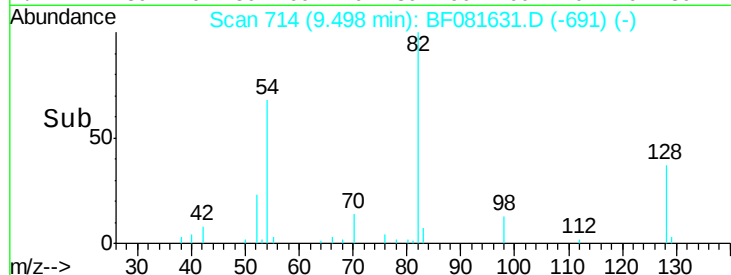
GP-13(0-5)



Tgt Ion:	82	Resp:	47769
Ion Ratio	Lower	Upper	
82	100		
128	37.2	51.0	76.6#
54	67.9	47.5	71.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

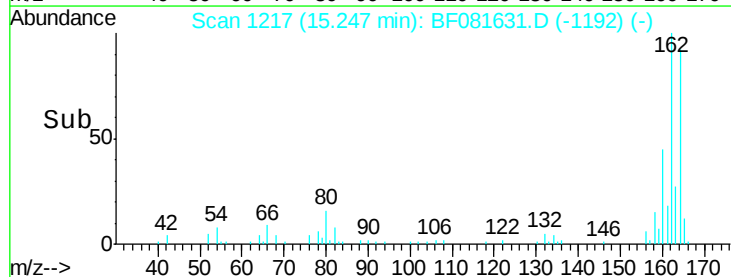
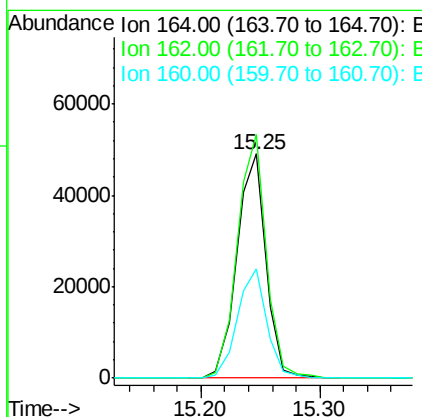
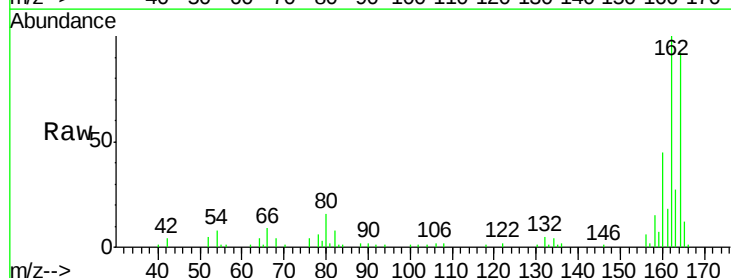
RT: 15.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Tgt Ion:	164	Resp:	83378
Ion Ratio	Lower	Upper	
164	100		
162	108.7	75.2	112.8
160	48.9	31.5	47.3#





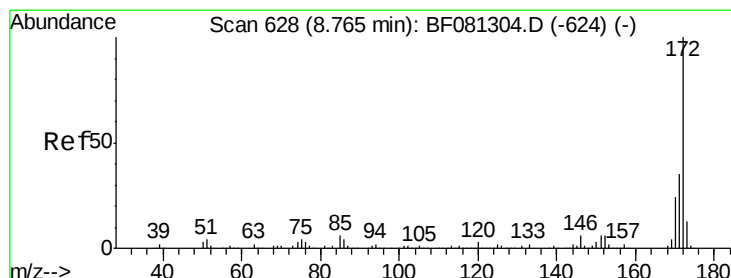
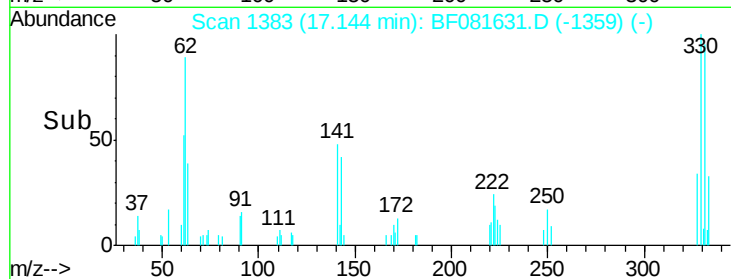
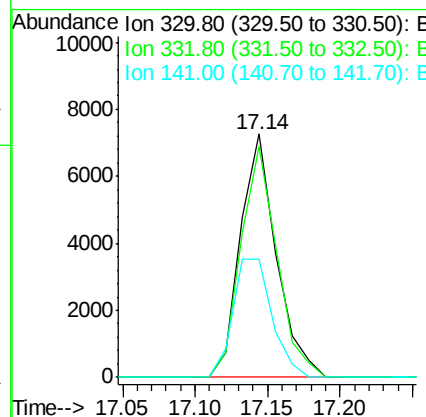
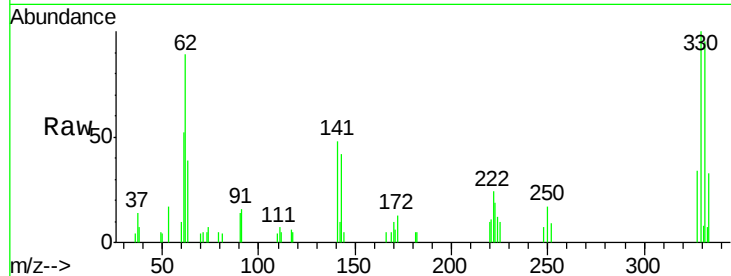
#41
 2,4,6-Tribromophenol
 Concen: 16.82 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Instrument :
 BNA_F
 ClientSampled :
 GP-13(0-5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	114.8
141	53.3	29.7	44.5

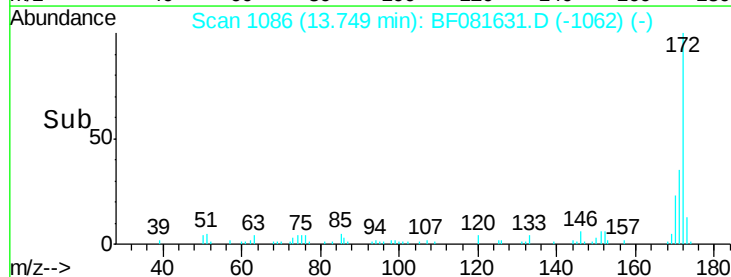
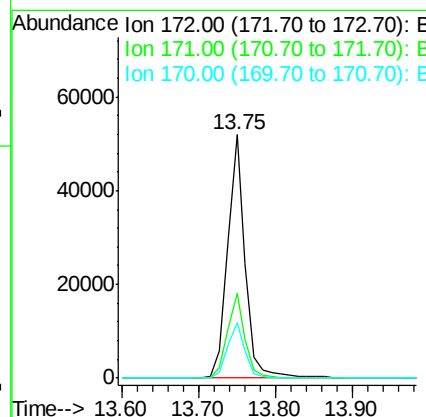
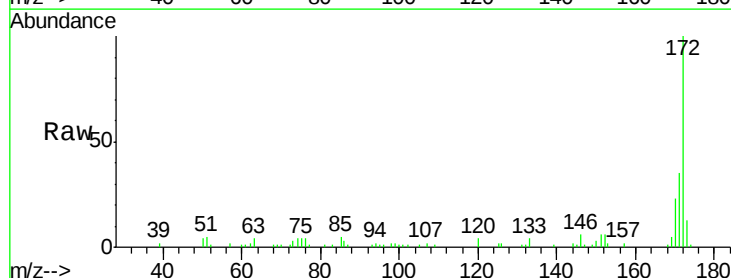
Manual Integrations
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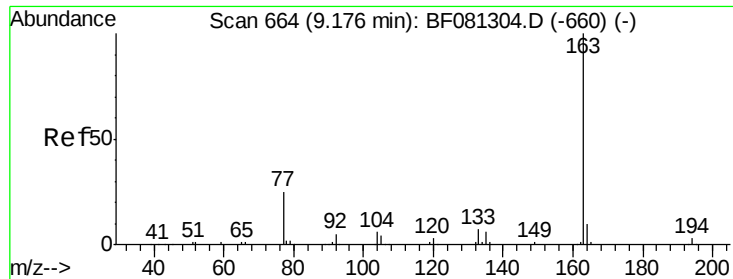
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#44
 2-Fluorobiphenyl
 Concen: 12.93 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.1	39.1
170	23.0	17.4	26.2





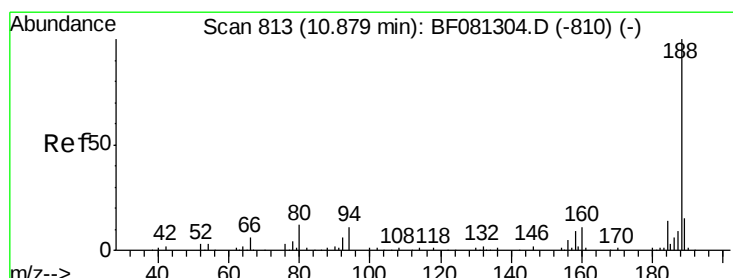
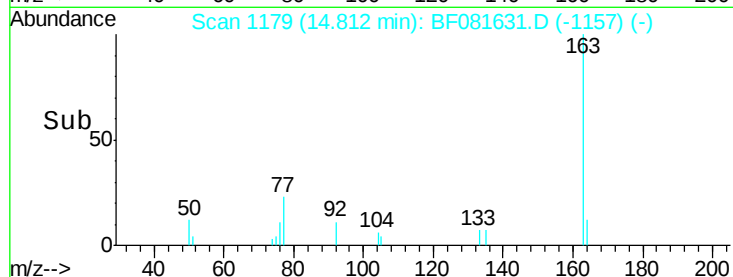
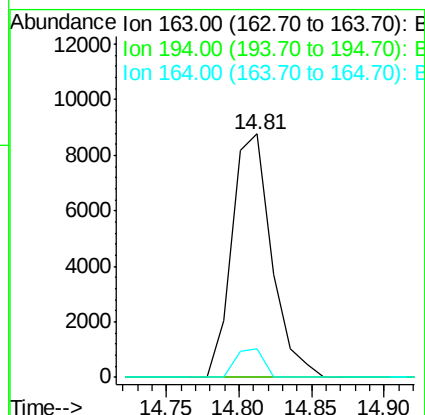
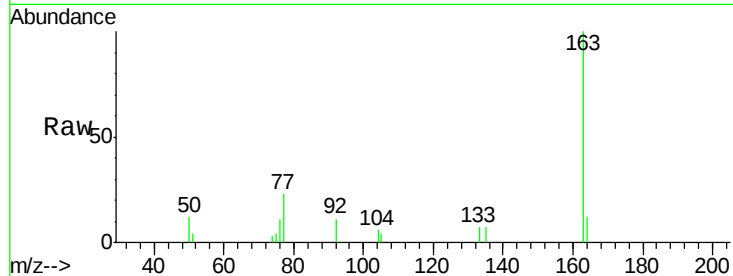
#49
Dimethylphthalate
Concen: 2.57 ng
RT: 14.81 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	0.0	4.4	6.6#
164	11.5	8.3	12.5

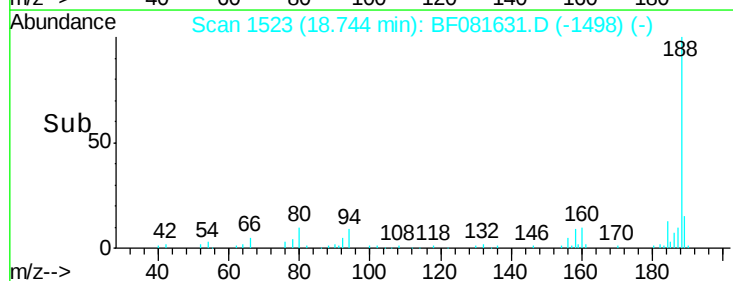
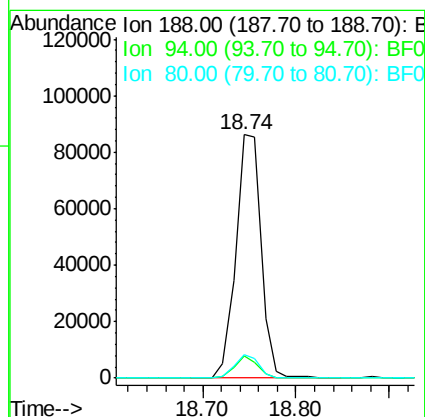
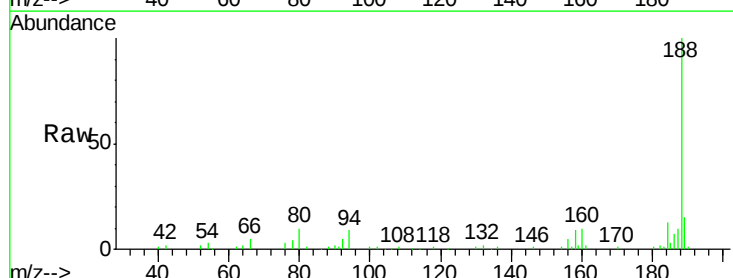
Manual Integrations
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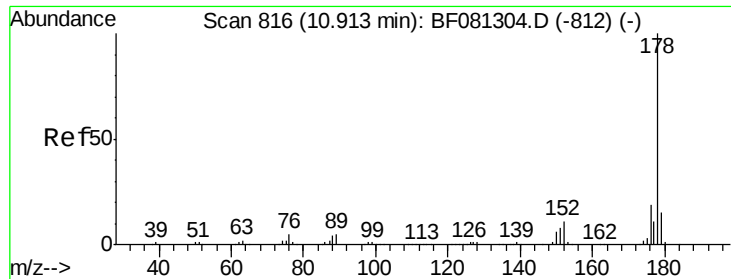
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.74 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	11.1	16.7#
80	9.7	11.0	16.4#





#70

Phenanthrene

Concen: 6.04 ng

RT: 18.80 min Scan# 1528

Delta R.T. -0.02 min

Lab File: BF081631.D

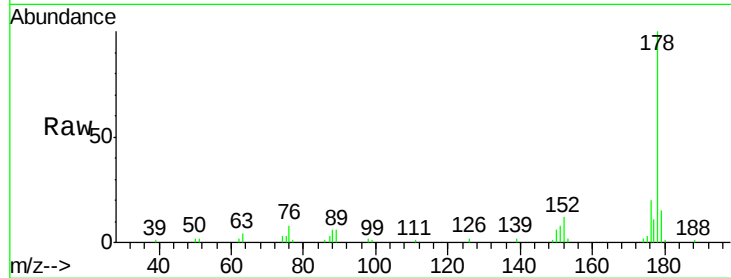
Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

ClientSampleId :

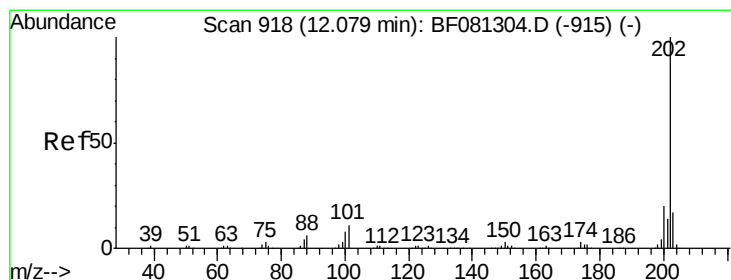
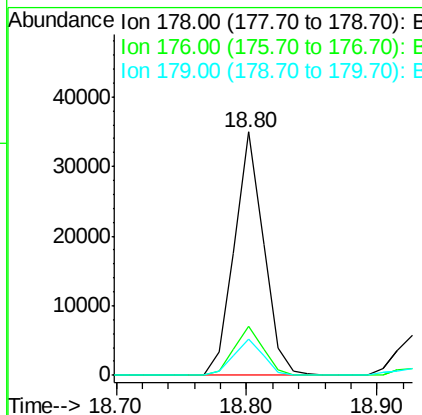
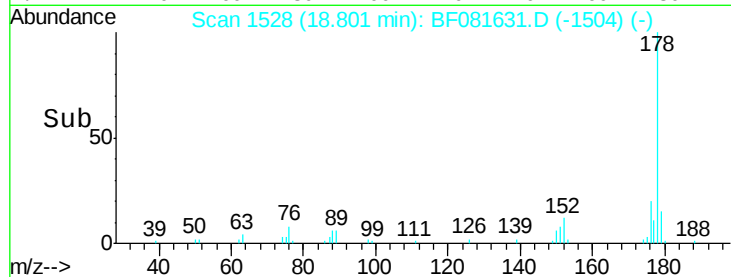
GP-13(0-5)



Tgt Ion:	178	Resp:	54526
Ion Ratio	Lower	Upper	
178	100		
176	20.0	13.8	20.8
179	15.1	12.2	18.2

Manual Integrations
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#74

Fluoranthene

Concen: 11.84 ng

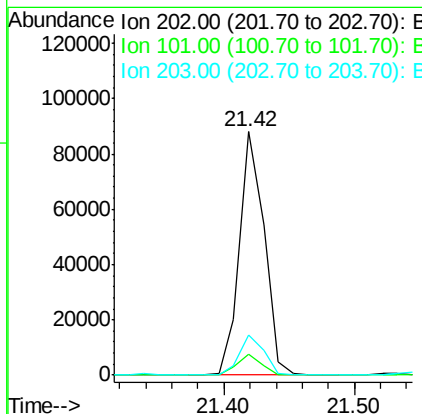
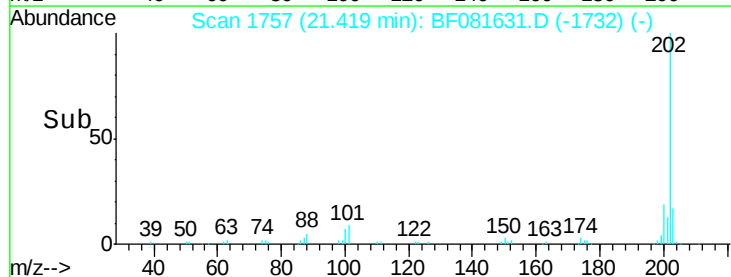
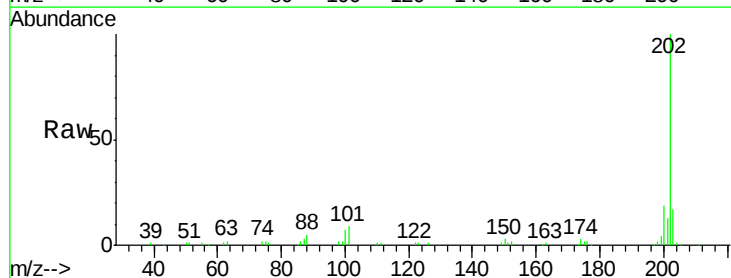
RT: 21.42 min Scan# 1757

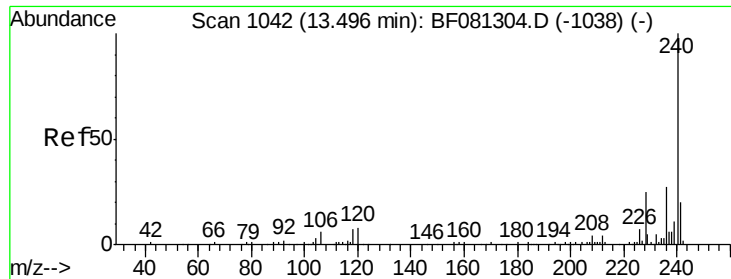
Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Tgt Ion:	202	Resp:	115760
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	38.3
203	16.7	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.37 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Instrument :

BNA_F

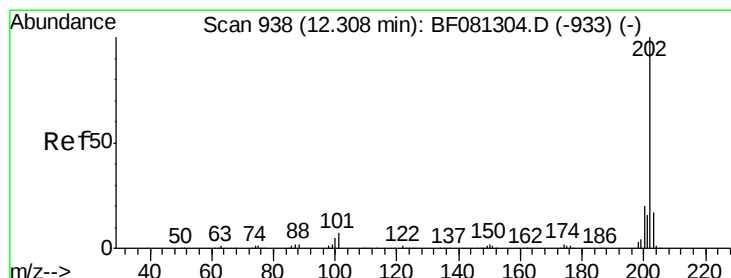
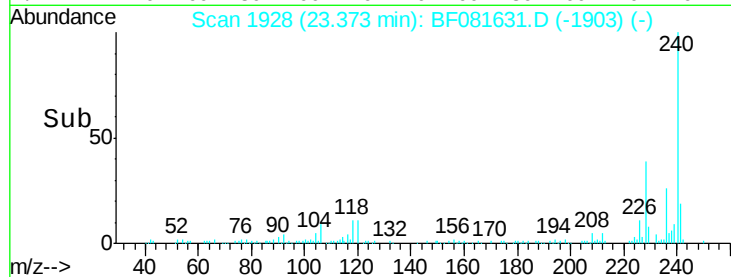
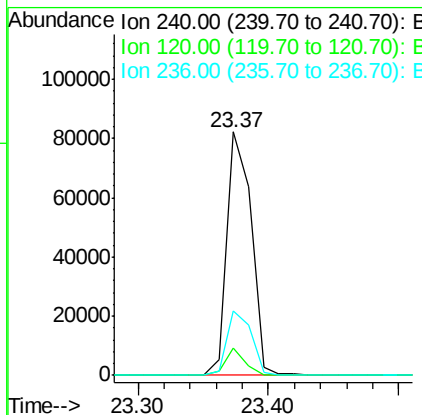
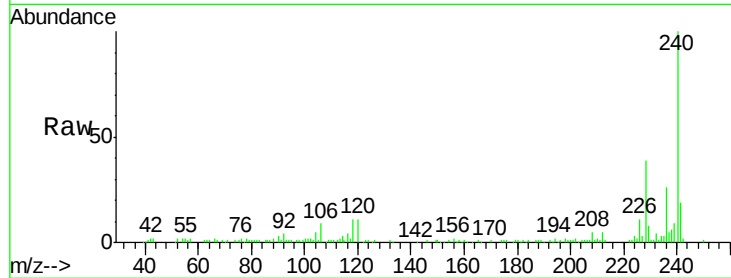
ClientSampleId :

GP-13(0-5)

Tgt Ion:	240	Resp:	106321
Ion Ratio	Lower	Upper	
240	100		
120	11.4	16.2	24.2#
236	26.5	18.4	27.6

Manual Integrations
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#77

Pyrene

Concen: 14.76 ng

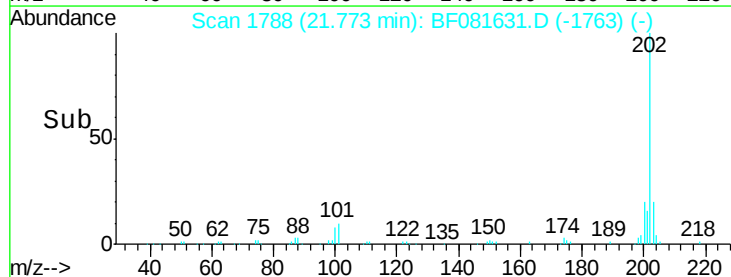
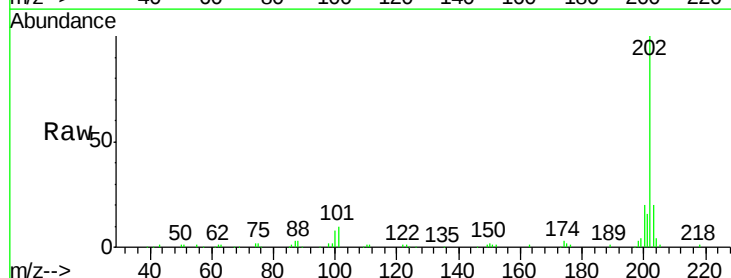
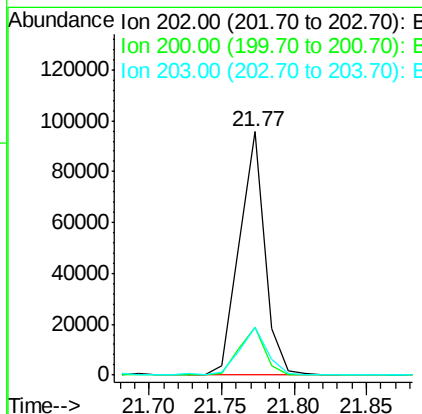
RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081631.D

Acq: 15 Sep 2015 16:01

Tgt Ion:	202	Resp:	116270
Ion Ratio	Lower	Upper	
202	100		
200	19.6	15.0	22.4
203	19.7	14.1	21.1





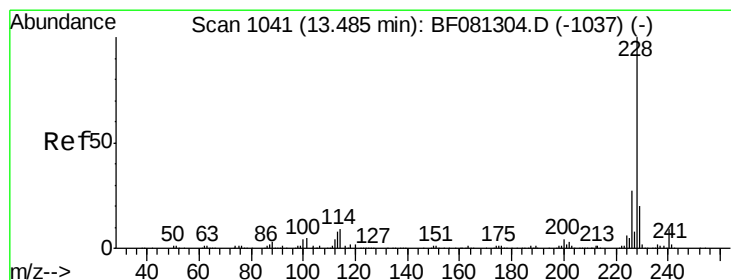
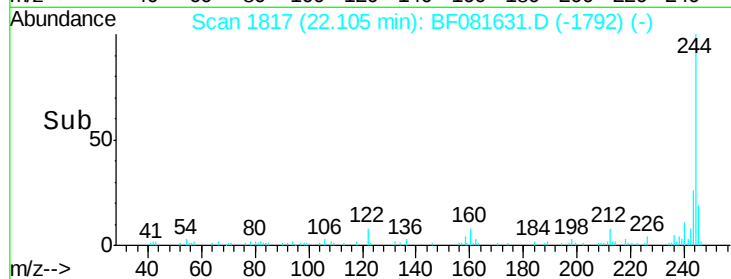
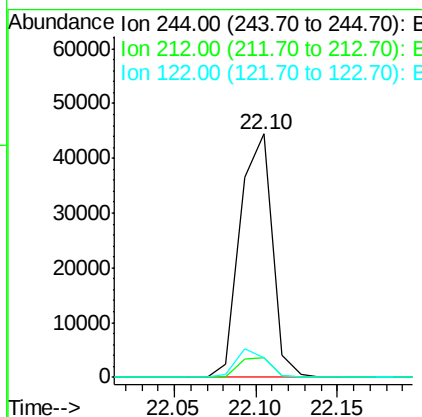
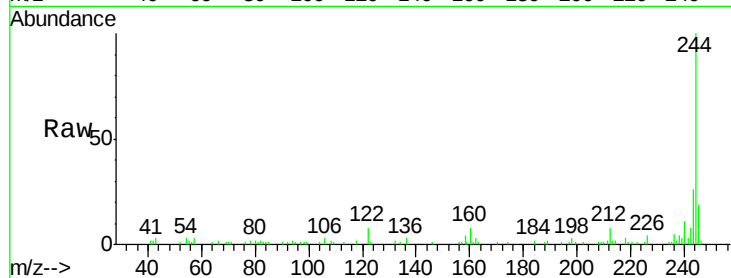
#78
 Terphenyl-d14
 Concen: 13.21 ng
 RT: 22.10 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	4.3	6.5#
122	7.8	17.4	26.2#

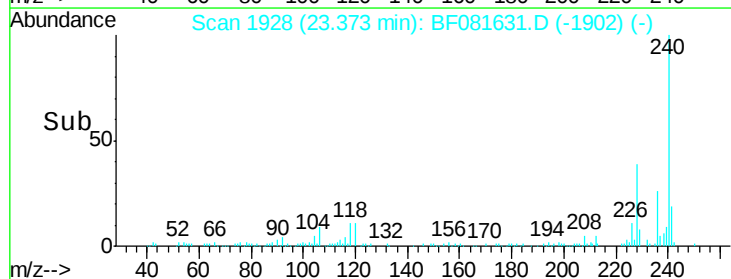
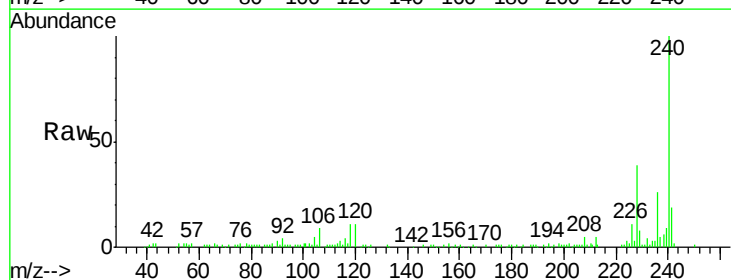
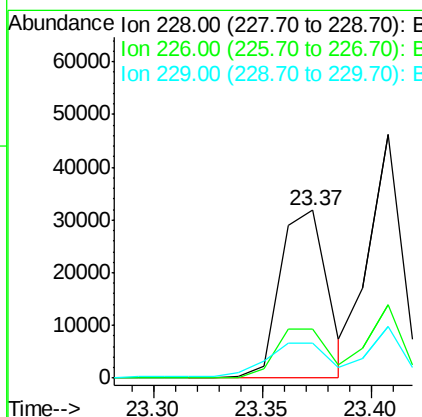
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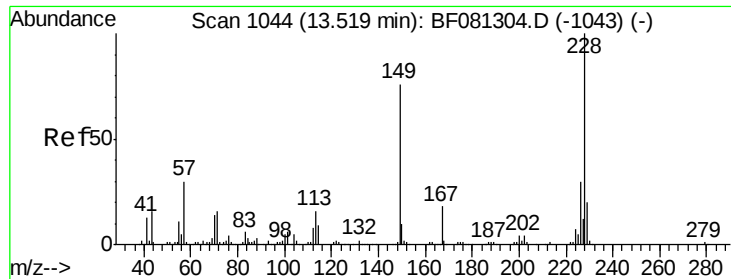
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#80
 Benzo(a)anthracene
 Concen: 7.16 ng
 RT: 23.37 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.3	20.0	30.0
229	20.8	15.4	23.2





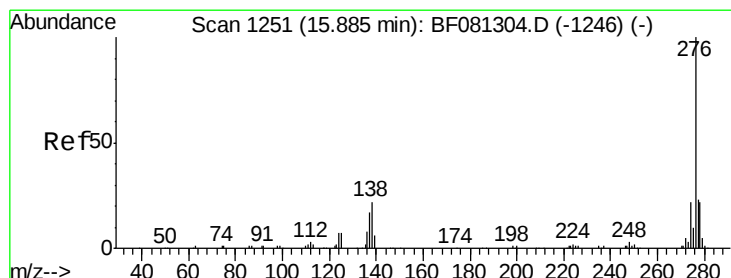
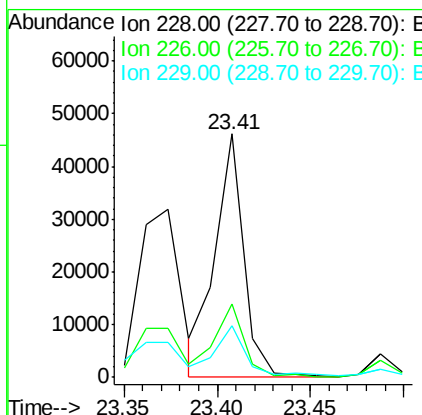
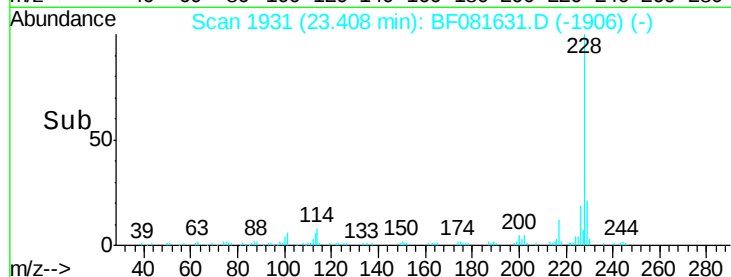
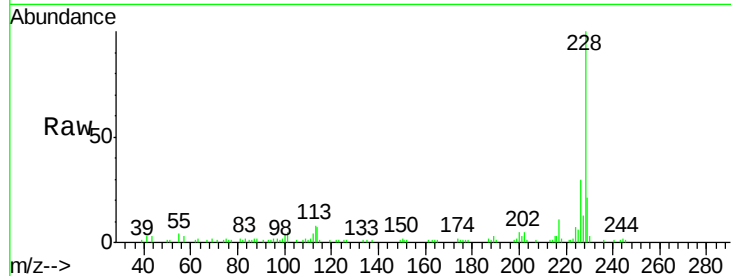
#82
Chrysene
 Concen: 8.22 ng
 RT: 23.41 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Tgt Ion:	228	Resp:	49876
Ion Ratio	Lower	Upper	
228	100		
226	30.2	21.0	31.4
229	21.2	15.6	23.4

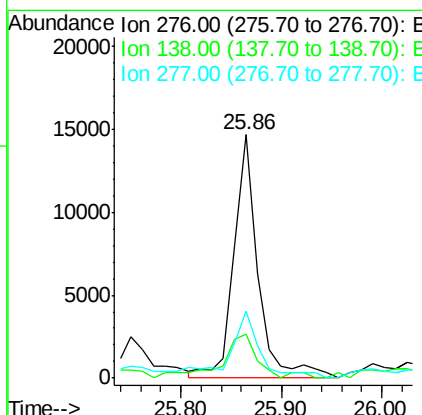
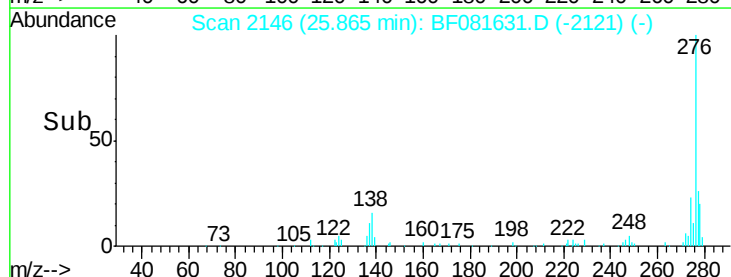
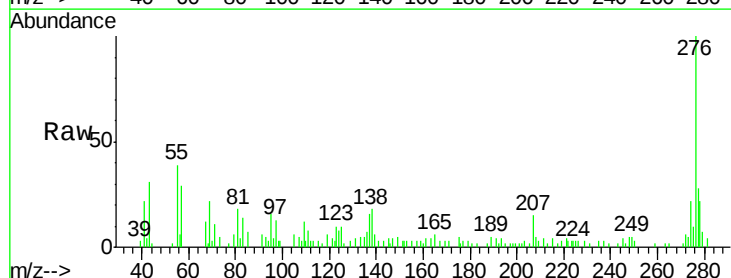
Manual Integrations
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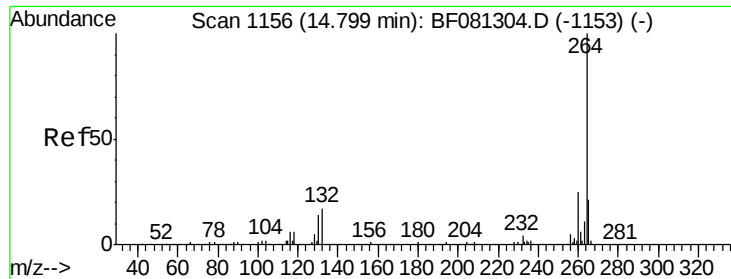
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#85
Indeno(1,2,3-cd)pyrene
 Concen: 5.53 ng
 RT: 25.86 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Tgt Ion:	276	Resp:	24610
Ion Ratio	Lower	Upper	
276	100		
138	25.9	25.7	38.5
277	34.4	15.6	23.4#





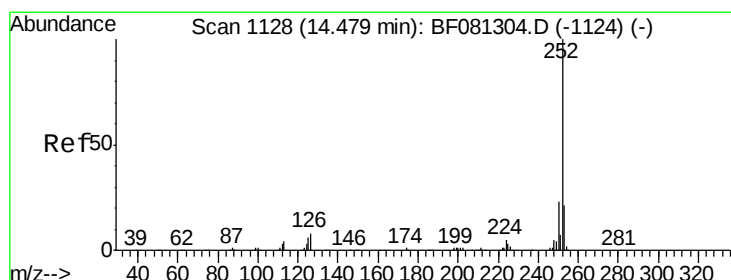
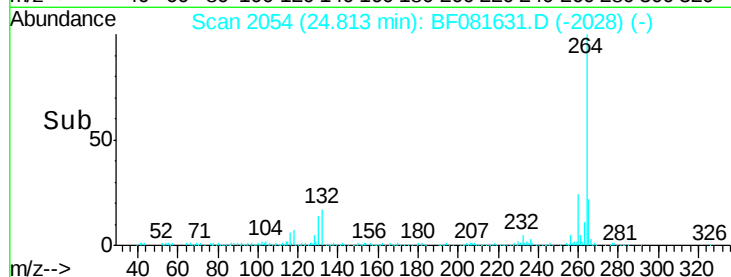
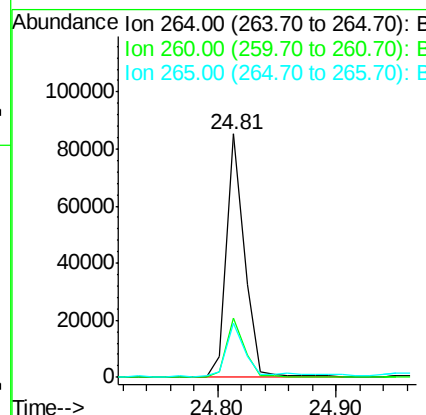
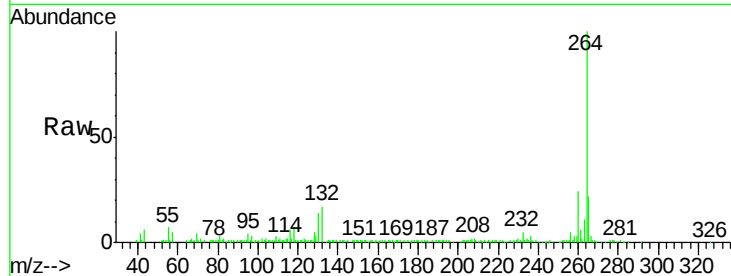
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.7	25.1
265	22.0	17.2	25.8

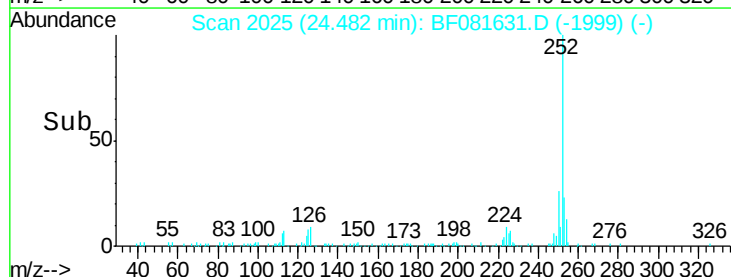
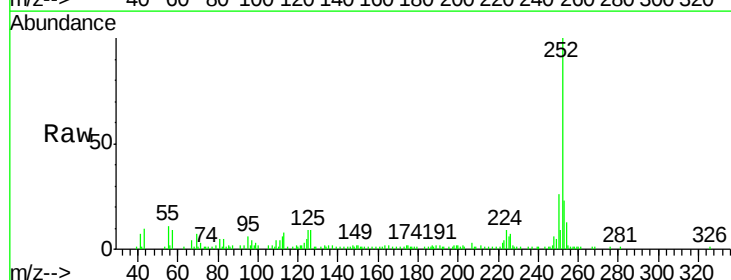
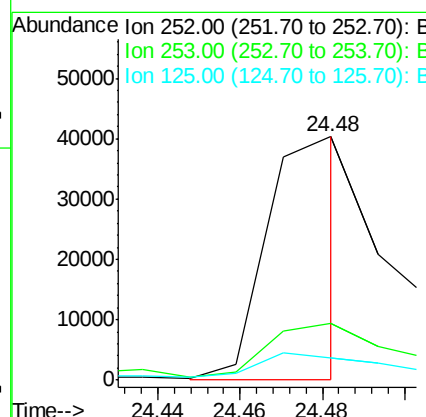
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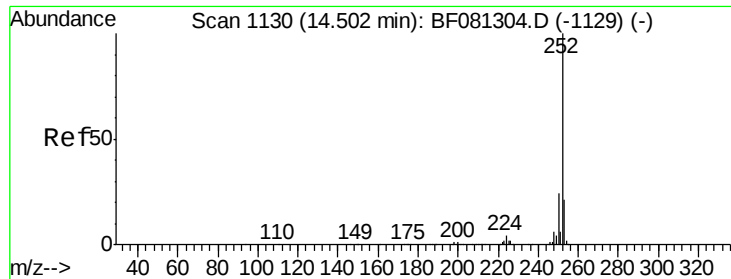
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#87
Benzo(b)fluoranthene
Concen: 8.55 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	9.2	17.1	25.7#





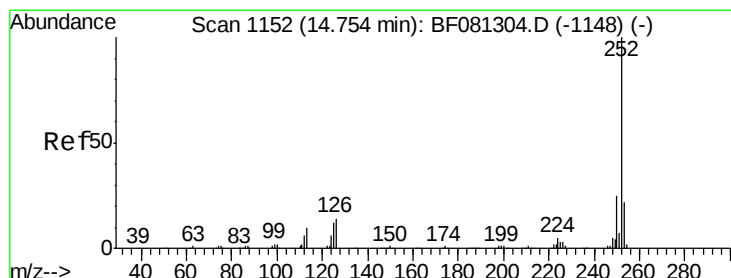
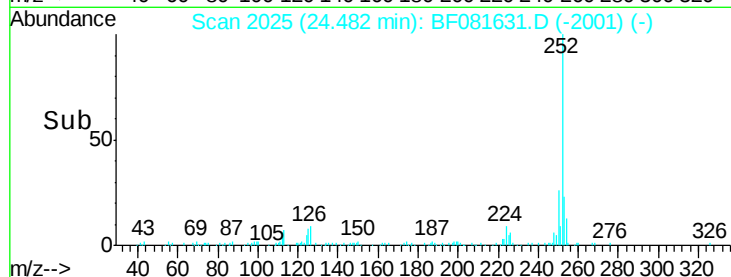
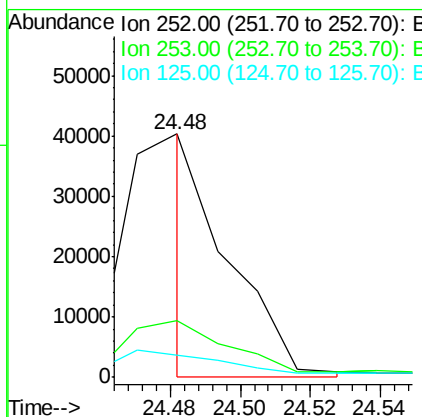
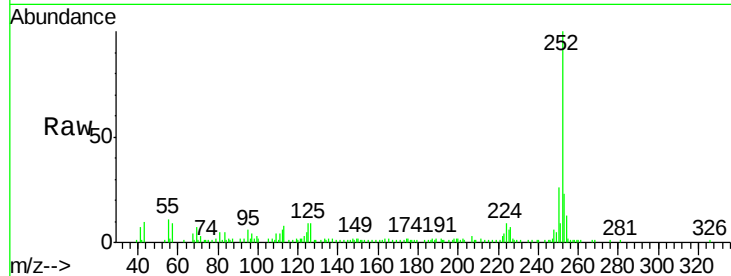
#88
Benzo(k)fluoranthene
Concen: 4.84 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Instrument :
BNA_F
ClientSampleId :
GP-13(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	9.2	16.0	24.0

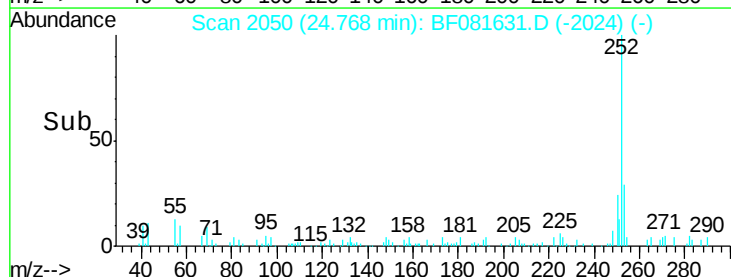
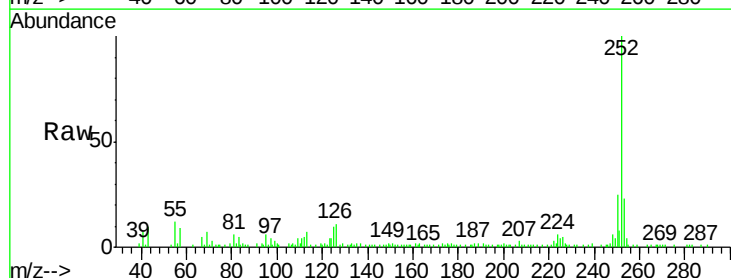
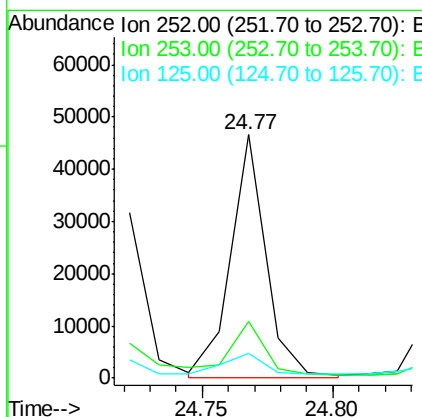
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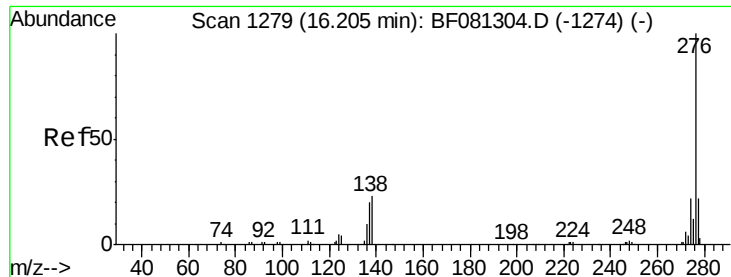
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#89
Benzo(a)pyrene
Concen: 8.23 ng
RT: 24.77 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF081631.D
Acq: 15 Sep 2015 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	10.0	18.0	27.0





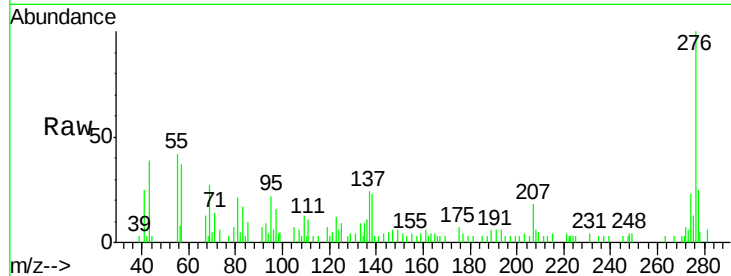
#91
 Benzo(g,h,i)perylene
 Concen: 5.85 ng
 RT: 26.16 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF081631.D
 Acq: 15 Sep 2015 16:01

Instrument :
 BNA_F
 ClientSampleId :
 GP-13(0-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	25.2	17.8	26.6
138	23.0	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

