

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081632.D
 Acq On : 15 Sep 2015 16:38
 Operator : UM/IZ
 Sample : G3597-14 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Manual Integrations
 APPROVED

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 9/16/2015 1:23:36 PM

Quant Time: Sep 15 17:17:00 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	48001	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	190059	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	85817	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	158673	20.00	ng	0.00
75) Chrysene-d12	23.38	240	99395	20.00	ng	0.00
86) Perylene-d12	24.81	264	81177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	56170	18.16	ng	0.00
7) Phenol-d6	7.66	99	80264	19.60	ng	0.01
23) Nitrobenzene-d5	9.50	82	53139	13.49	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	12633	16.53	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	93221	13.92	ng	-0.02
78) Terphenyl-d14	22.10	244	66597	15.60	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.81	163	18820	2.82	ng	# 93
70) Phenanthrene	18.80	178	50710	5.75	ng	97
74) Fluoranthene	21.42	202	163770	17.15	ng	90
77) Pyrene	21.77	202	149255	20.27	ng	96
80) Benzo(a)anthracene	23.37	228	62563	9.88	ng	95
82) Chrysene	23.41	228	70264	12.38	ng	93
83) Bis(2-ethylhexyl)phthalate	23.49	149	9643	2.28	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.86	276	33507	8.05	ng	# 76
87) Benzo(b)fluoranthene	24.48	252	75160m	12.97	ng	
88) Benzo(k)fluoranthene	24.48	252	38377m	7.98	ng	
89) Benzo(a)pyrene	24.77	252	50719	10.33	ng	# 84
90) Dibenzo(a,h)anthracene	25.88	278	11036	2.91	ng	# 87
91) Benzo(g,h,i)perylene	26.17	276	29879	8.25	ng	# 73

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

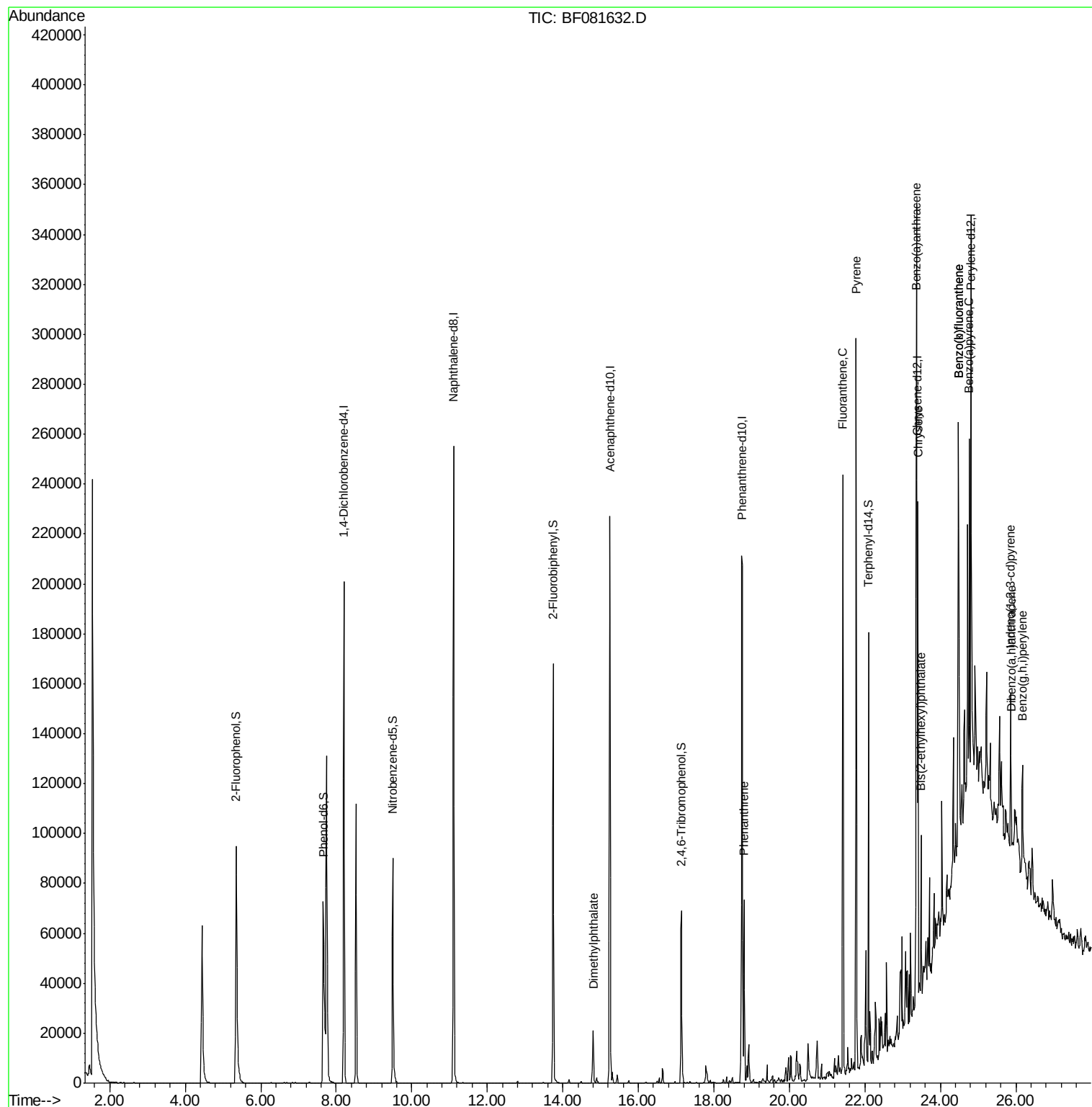
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081632.D
Acq On : 15 Sep 2015 16:38
Operator : UM/IZ
Sample : G3597-14 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

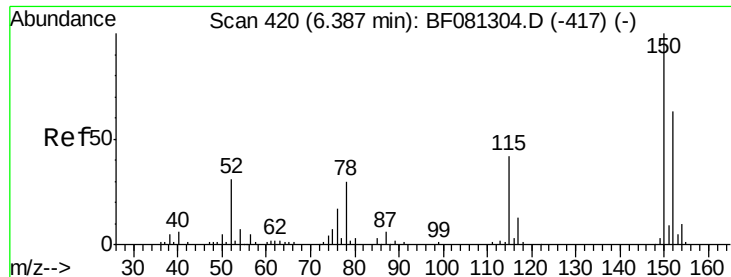
Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

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#1

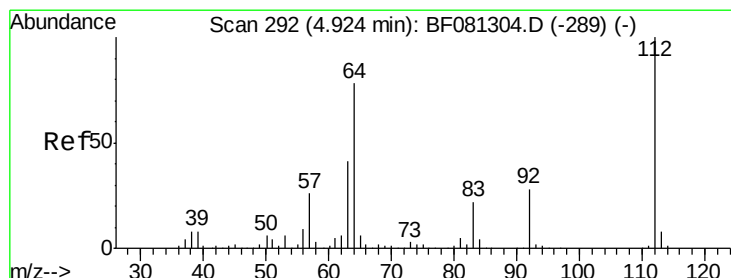
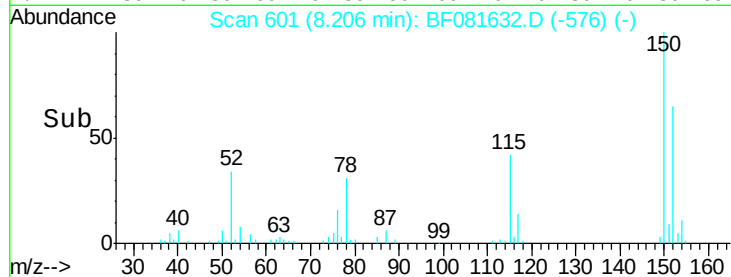
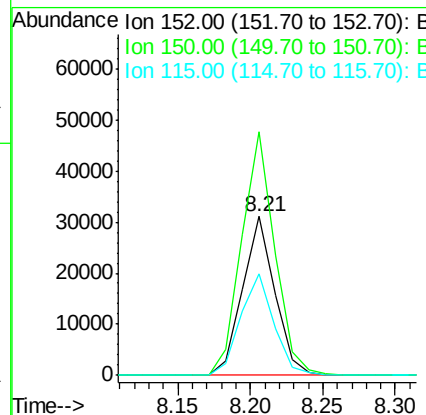
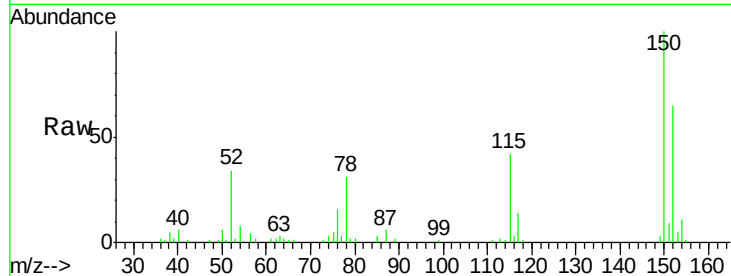
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.7	187.1
115	63.9	39.0	58.4#

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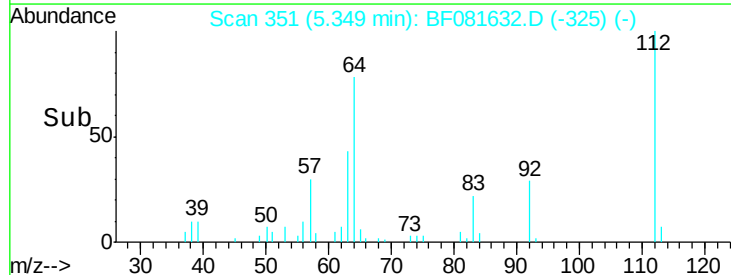
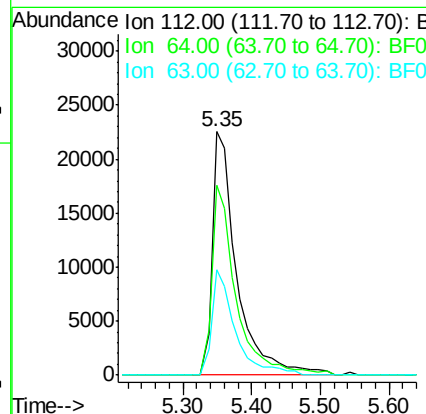
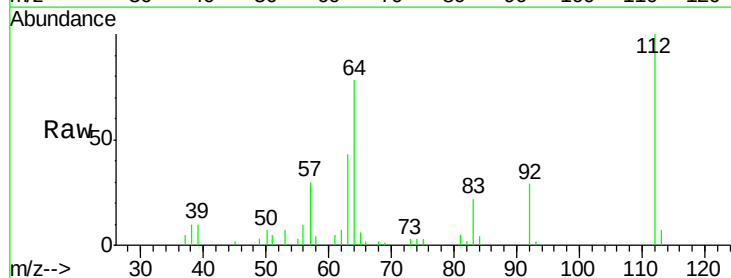
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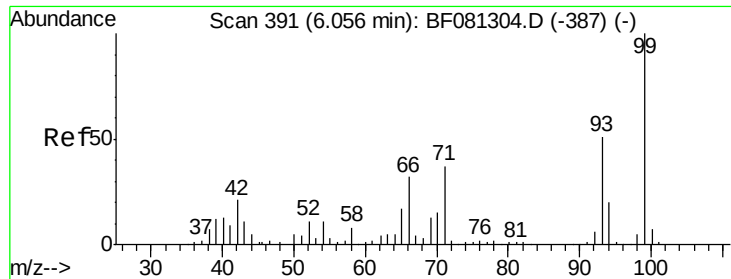


#5

2-Fluorophenol
Concen: 18.16 ng
RT: 5.35 min Scan# 351
Delta R.T. -0.00 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.0	39.7	59.5#
63	43.3	17.4	26.0#





#7

Phenol-d6

Concen: 19.60 ng

RT: 7.66 min Scan# 553

Delta R.T. 0.01 min

Lab File: BF081632.D

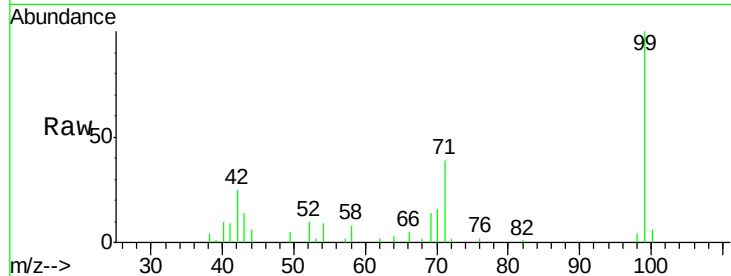
Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

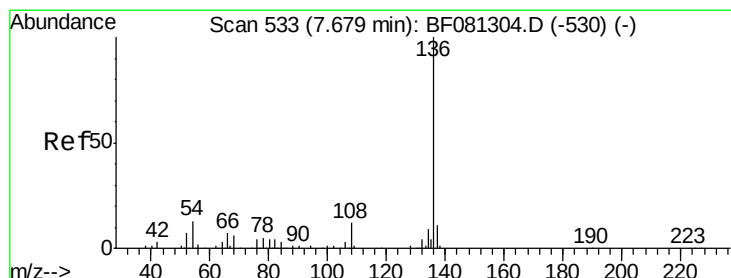
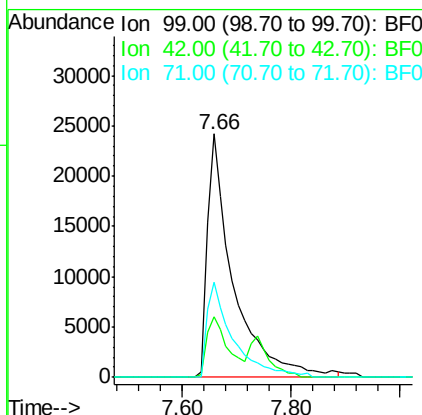
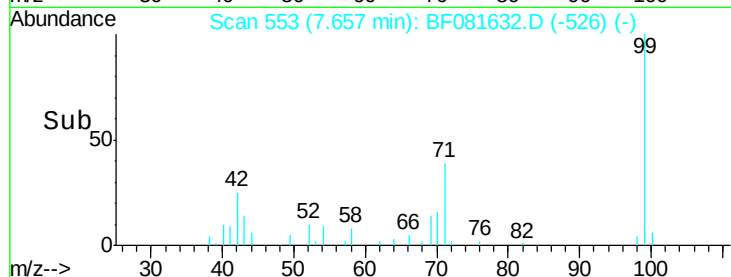
GP-14(0-5)



Tgt Ion	Ratio	Lower	Upper
99	100		
42	24.7	13.7	20.5#
71	38.9	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

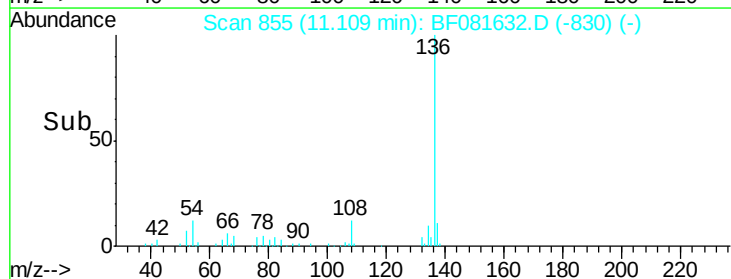
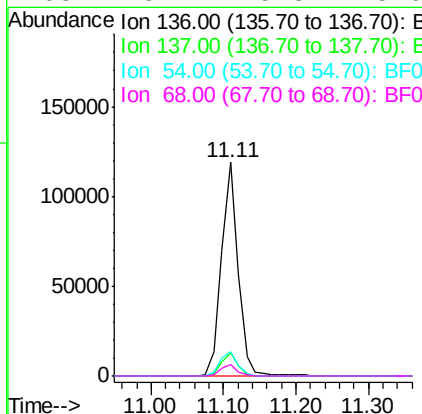
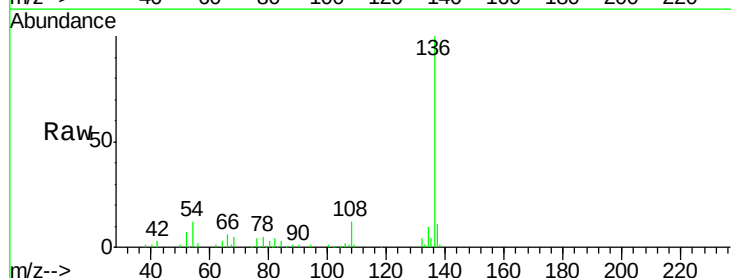
RT: 11.11 min Scan# 855

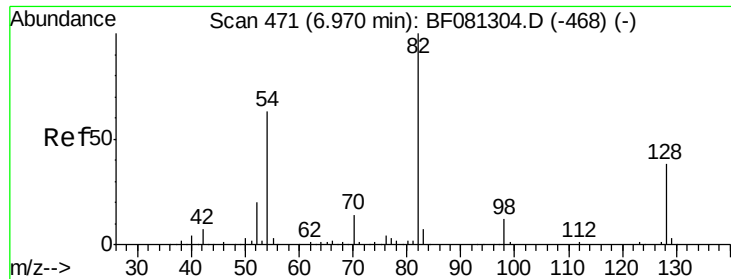
Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	11.5	8.2	12.2
68	5.2	5.8	8.6#





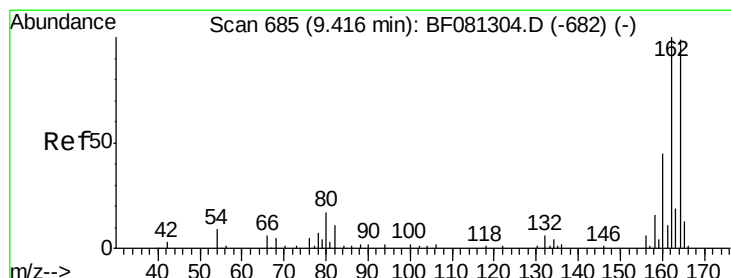
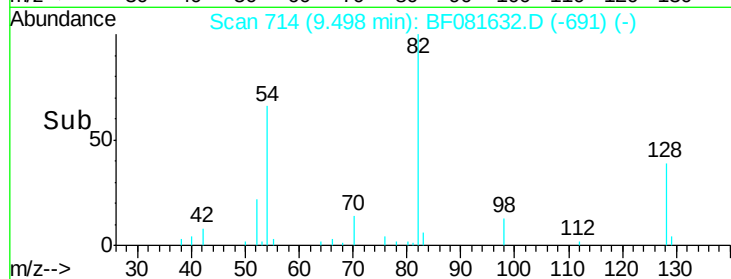
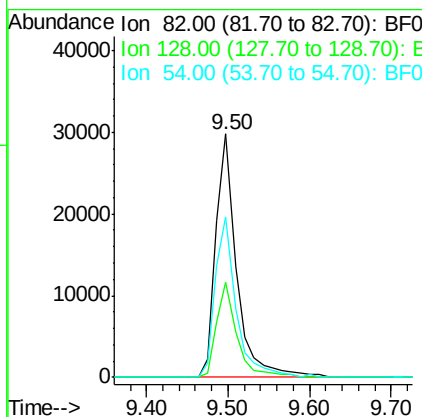
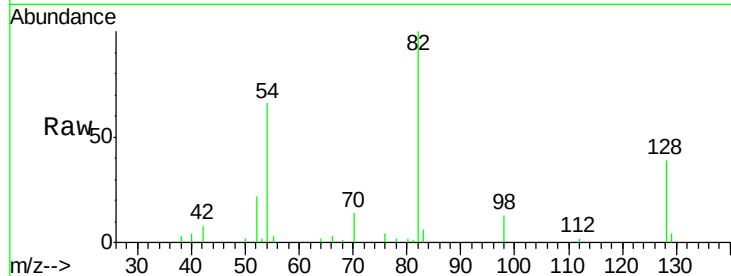
#23
 Nitrobenzene-d5
 Concen: 13.49 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	53139		
128	39.3	51.0	76.6#	
54	65.8	47.5	71.3	

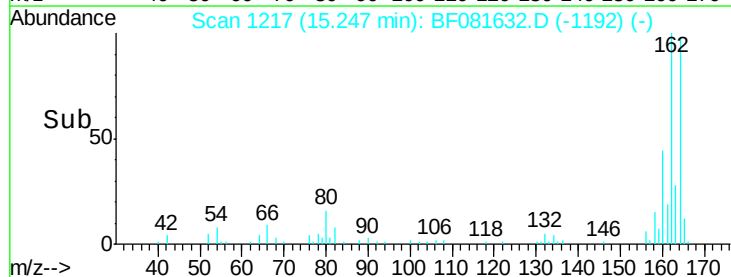
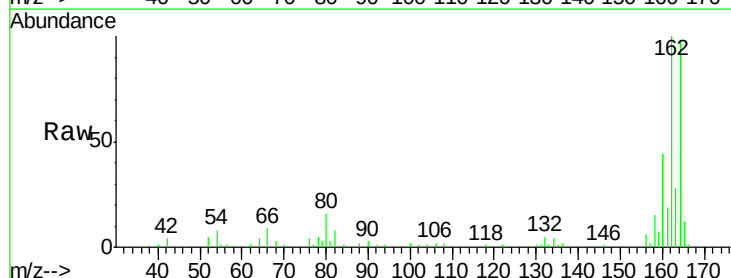
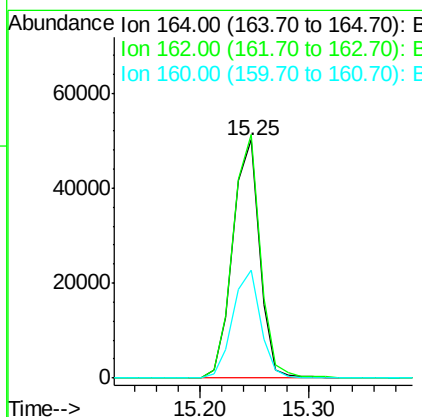
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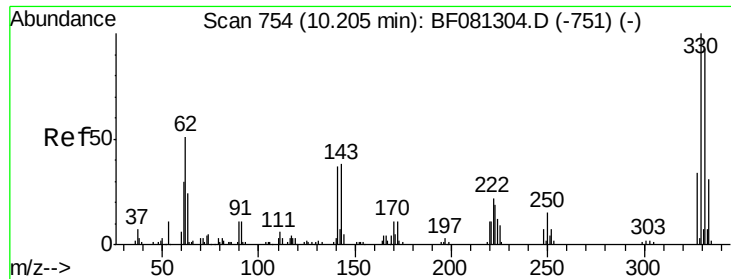
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85817		
162	102.2	75.2	112.8	
160	45.2	31.5	47.3	





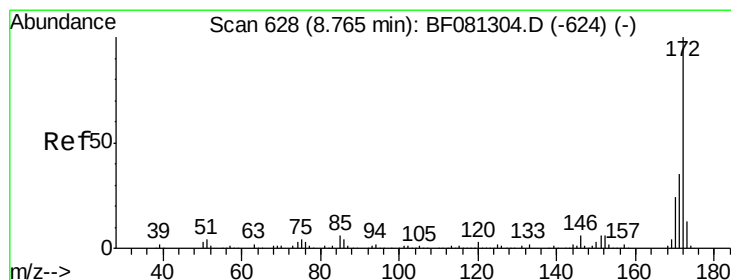
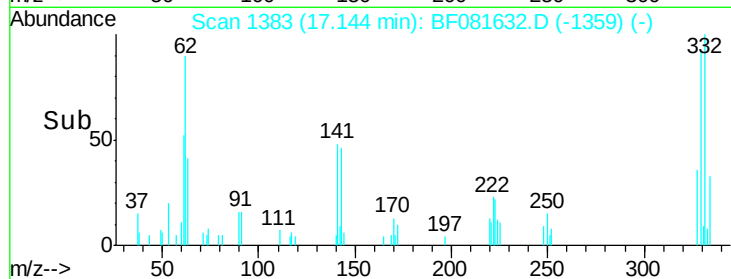
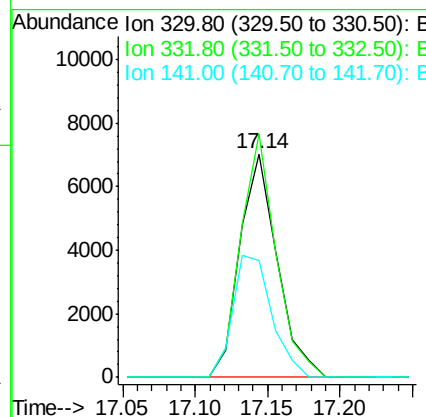
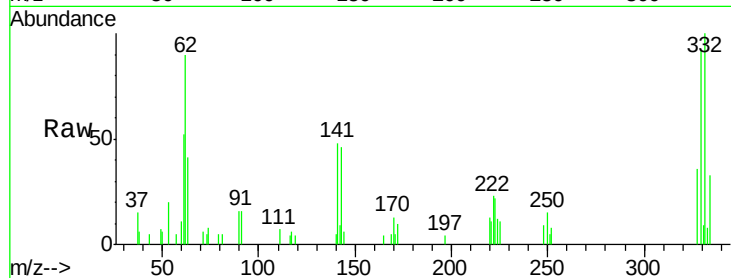
#41
 2,4,6-Tribromophenol
 Concen: 16.53 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Instrument :
 BNA_F
 ClientSampled :
 GP-14(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	12633		
332	103.3	76.6	114.8	
141	56.5	29.7	44.5#	

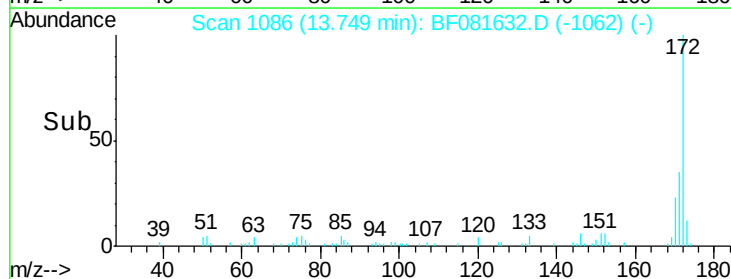
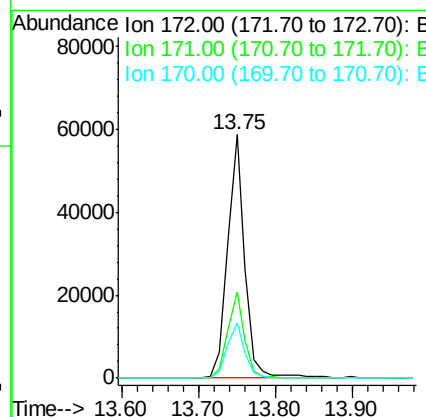
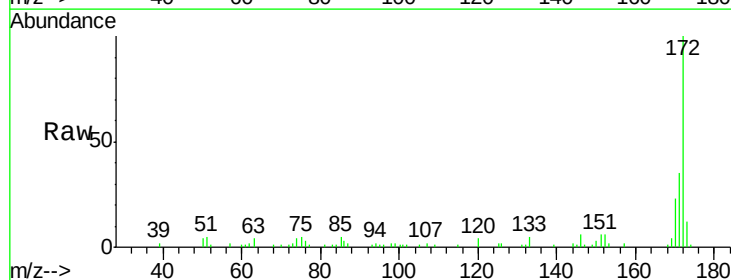
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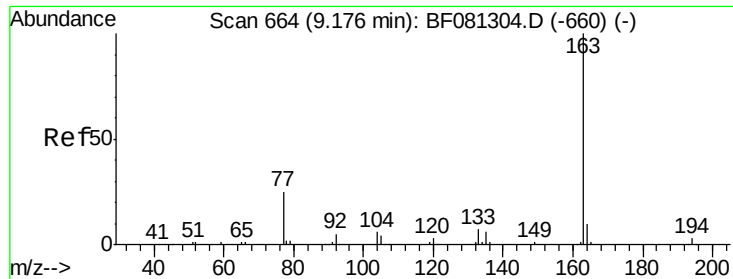
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#44
 2-Fluorobiphenyl
 Concen: 13.92 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	93221		
171	35.4	26.1	39.1	
170	22.9	17.4	26.2	





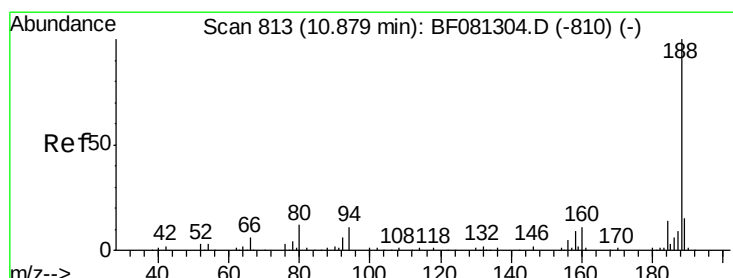
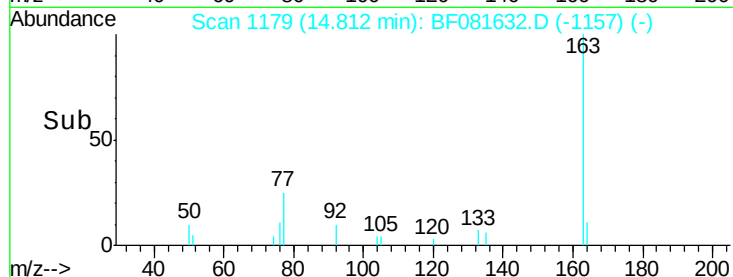
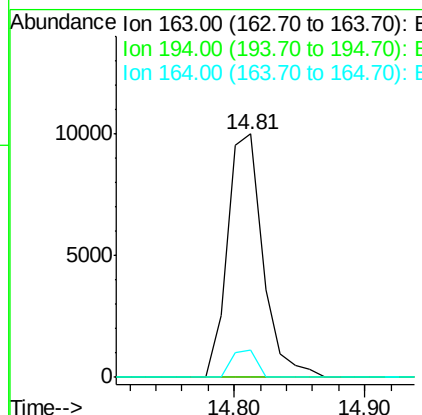
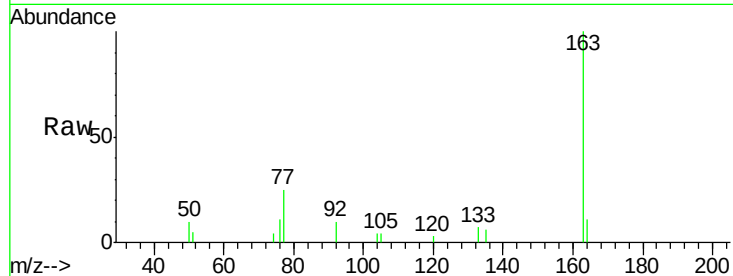
#49
Dimethylphthalate
Concen: 2.82 ng
RT: 14.81 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	18820		
194	0.0	4.4	6.6#	
164	11.2	8.3	12.5	

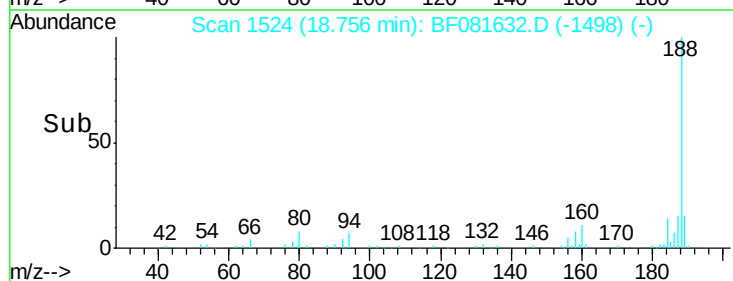
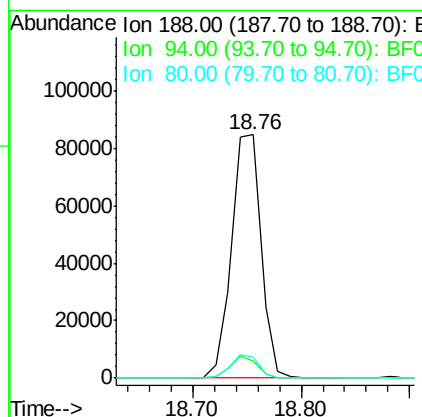
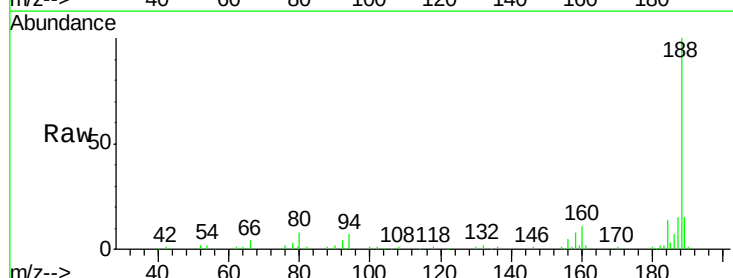
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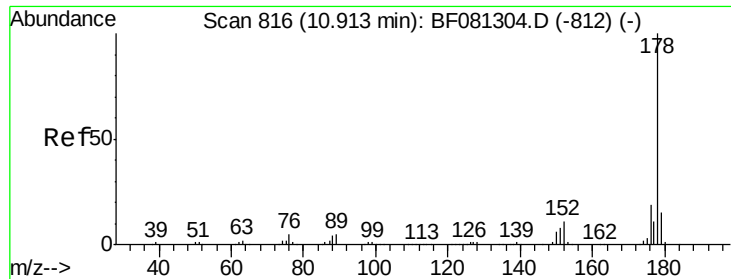
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.76 min Scan# 1524
Delta R.T. -0.00 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	158673		
94	7.3	11.1	16.7#	
80	8.5	11.0	16.4#	





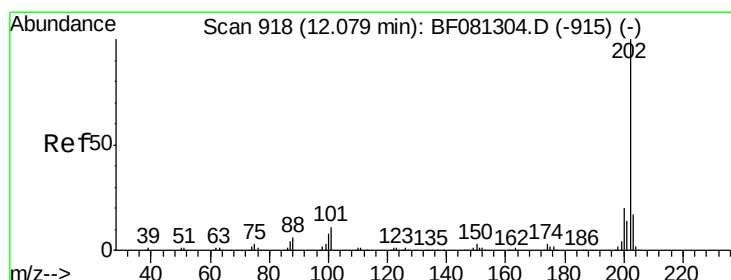
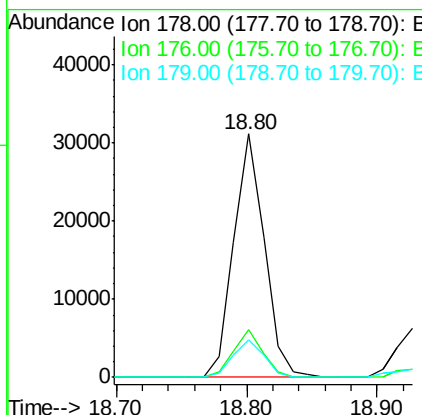
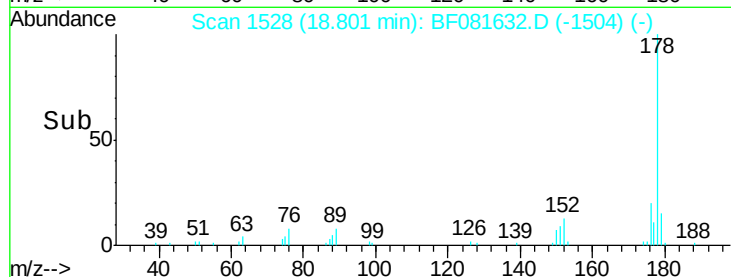
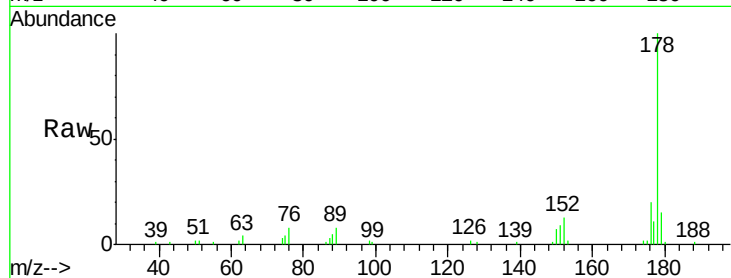
#70
Phenanthrene
Concen: 5.75 ng
RT: 18.80 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	13.8	20.8
179	15.3	12.2	18.2

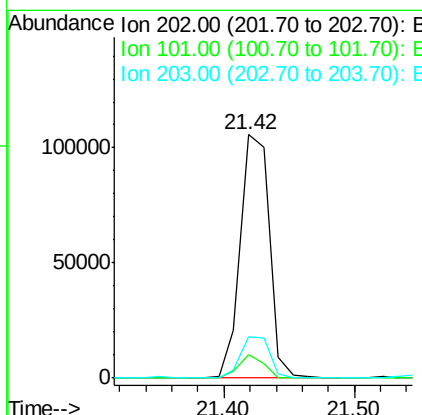
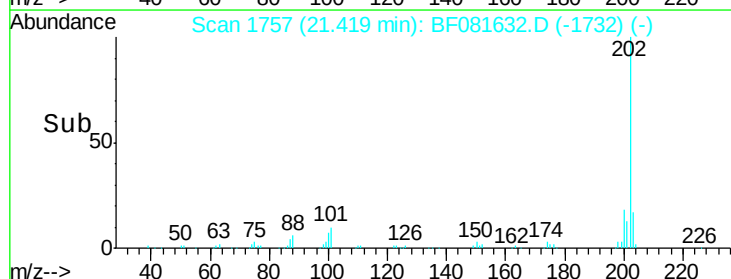
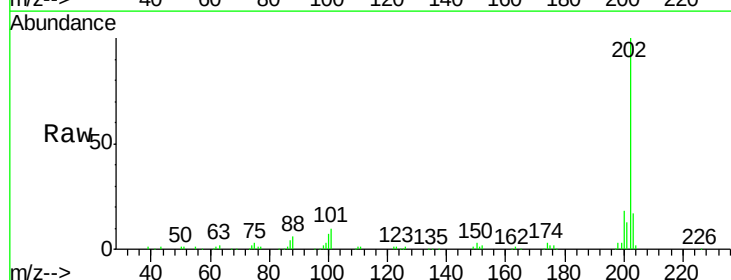
Manual Integrations
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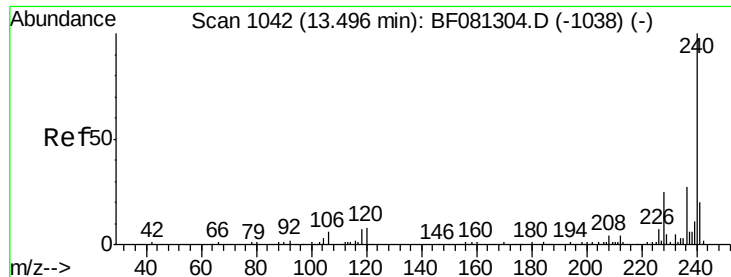
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#74
Fluoranthene
Concen: 17.15 ng
RT: 21.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	38.3
203	17.0	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: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

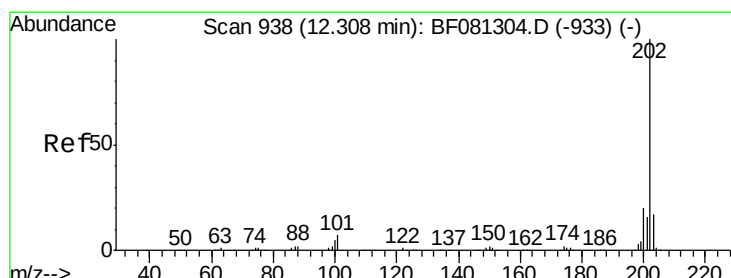
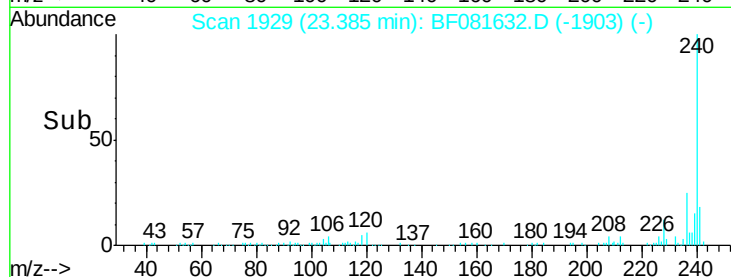
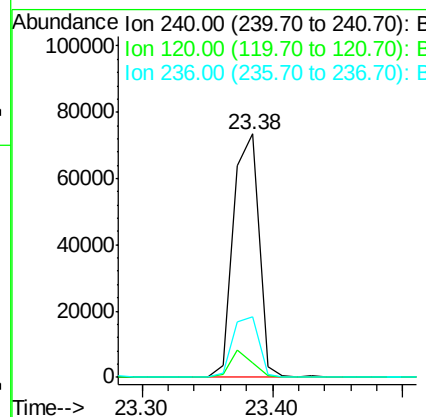
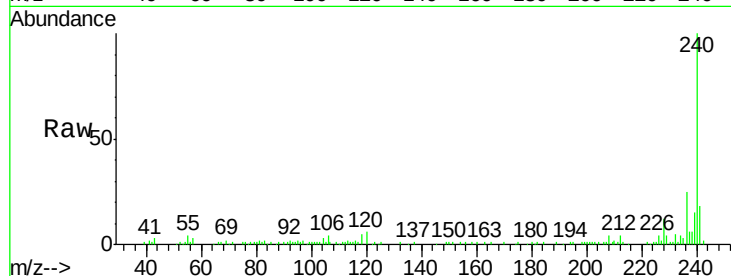
ClientSampleId :

GP-14(0-5)

Tgt Ion:	240	Resp:	99395
Ion Ratio	Lower	Upper	
240	100		
120	5.7	16.2	24.2#
236	25.1	18.4	27.6

Manual Integrations
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#77

Pyrene

Concen: 20.27 ng

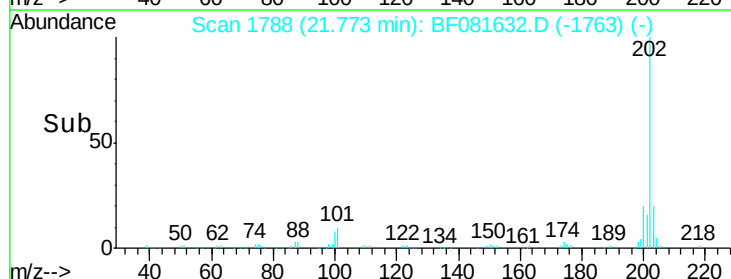
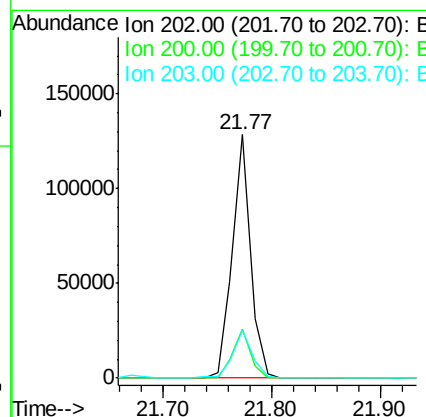
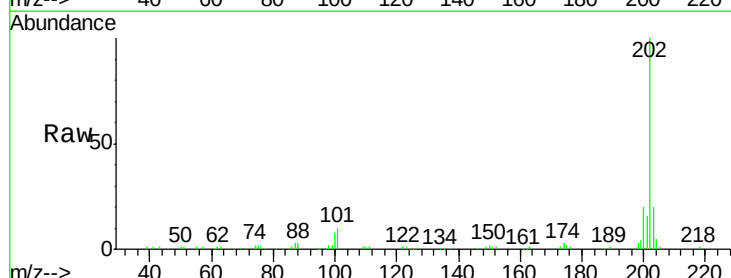
RT: 21.77 min Scan# 1788

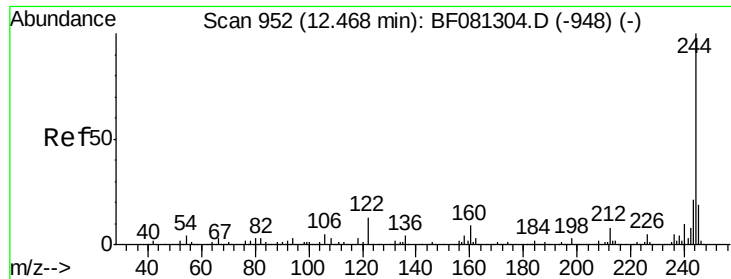
Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion:	202	Resp:	149255
Ion Ratio	Lower	Upper	
202	100		
200	19.9	15.0	22.4
203	19.7	14.1	21.1





#78

Terphenyl-d14

Concen: 15.60 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081632.D

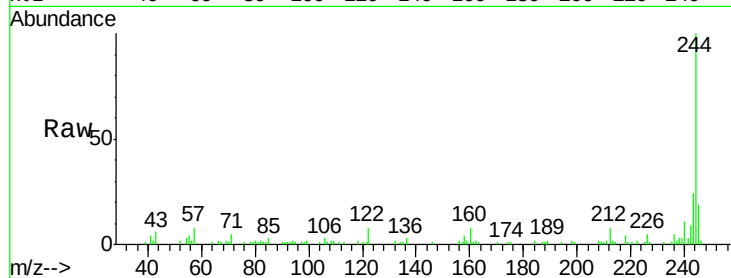
Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

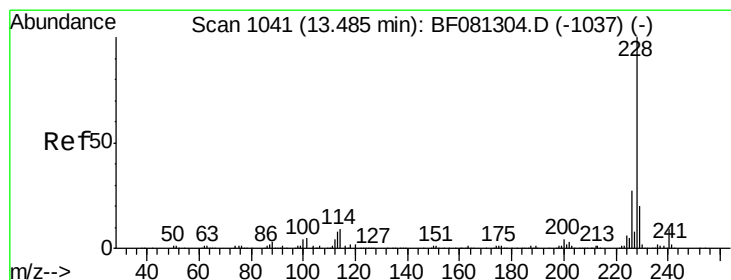
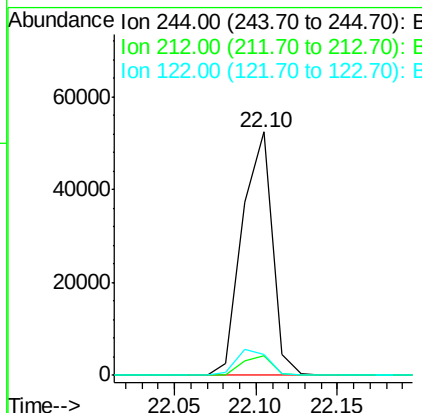
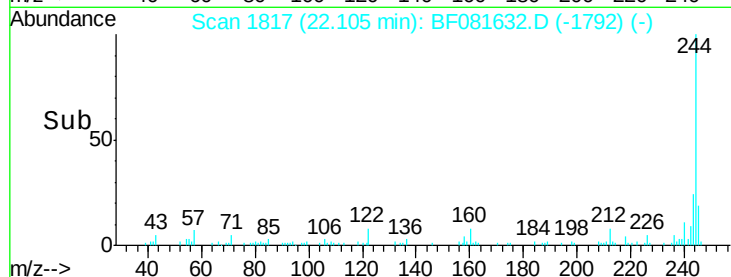
GP-14(0-5)



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	4.3	6.5#
122	8.4	17.4	26.2#

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#80

Benzo(a)anthracene

Concen: 9.88 ng

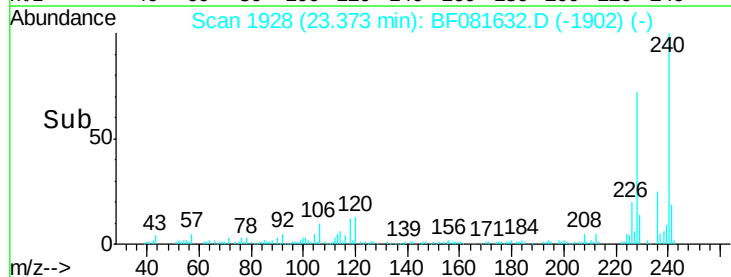
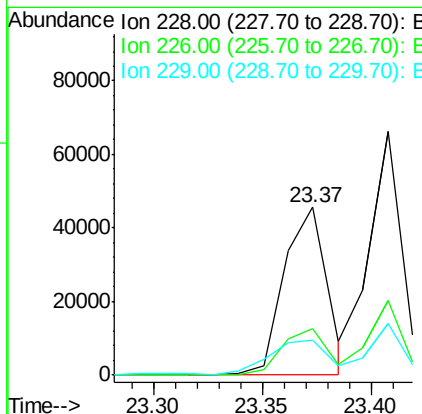
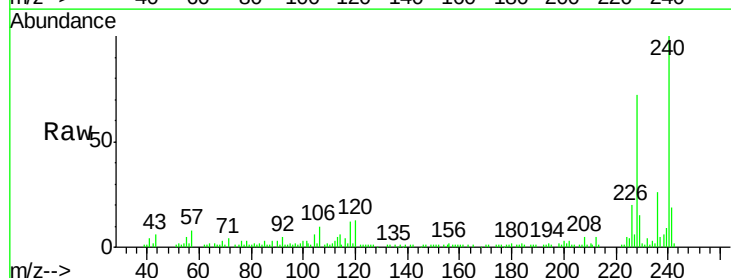
RT: 23.37 min Scan# 1928

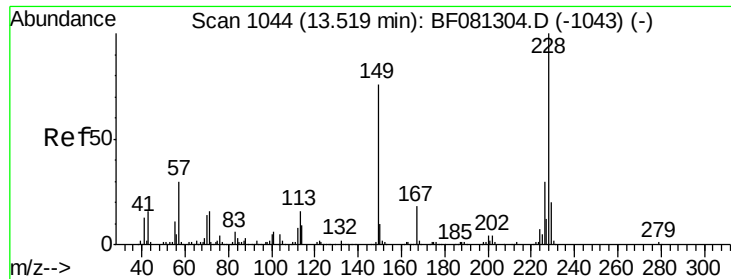
Delta R.T. -0.00 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.0	30.0
229	20.9	15.4	23.2





#82

Chrysene

Concen: 12.38 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

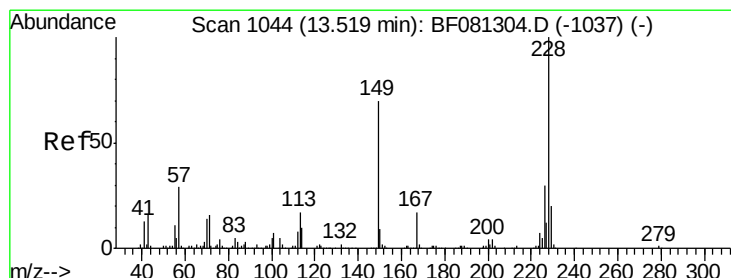
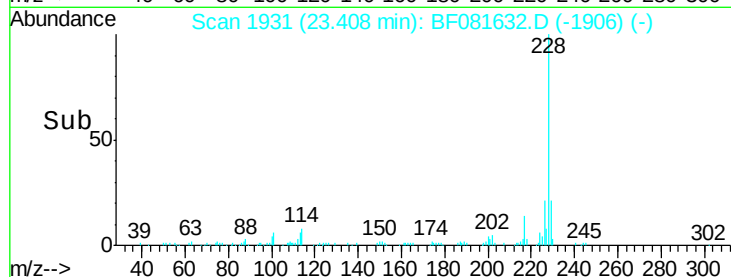
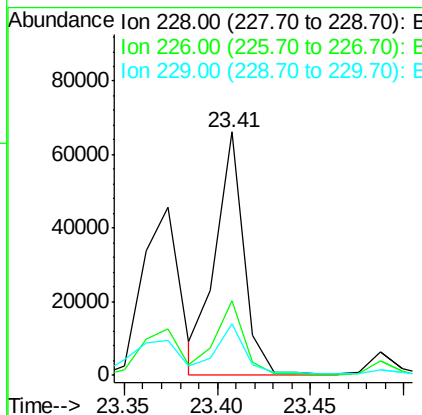
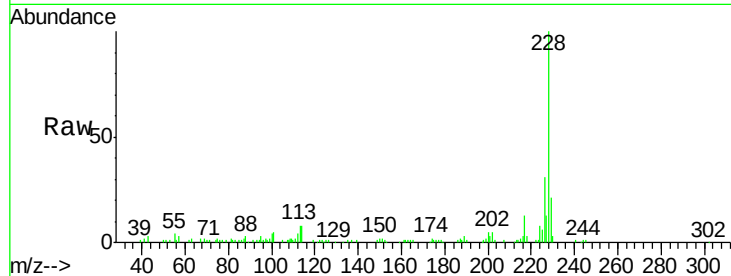
ClientSampleId :

GP-14(0-5)

Tgt Ion:	228	Resp:	70264
Ion Ratio	Lower	Upper	
228	100		
226	30.7	21.0	31.4
229	21.3	15.6	23.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.28 ng

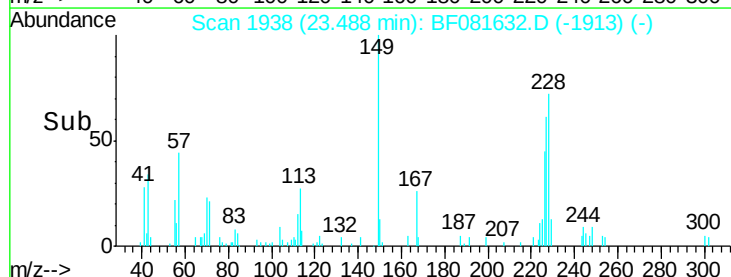
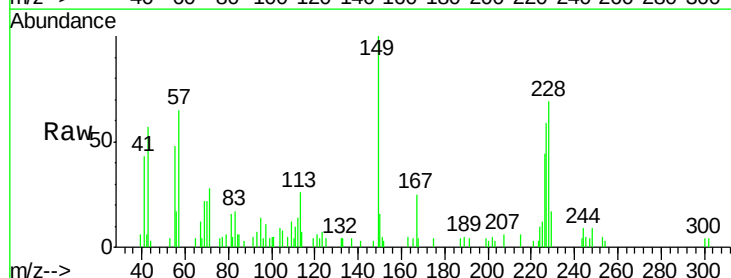
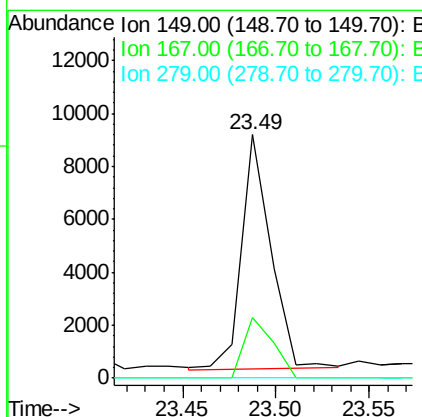
RT: 23.49 min Scan# 1938

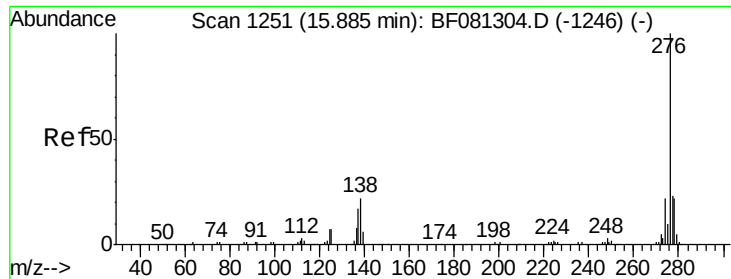
Delta R.T. -0.01 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion:	149	Resp:	9643
Ion Ratio	Lower	Upper	
149	100		
167	24.9	24.2	36.2
279	0.0	3.8	5.6#





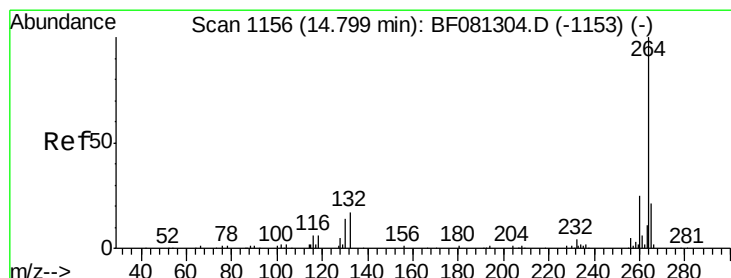
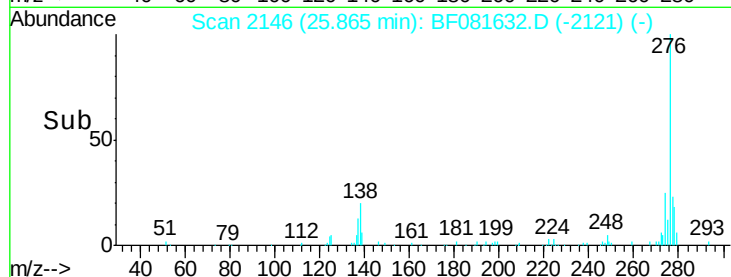
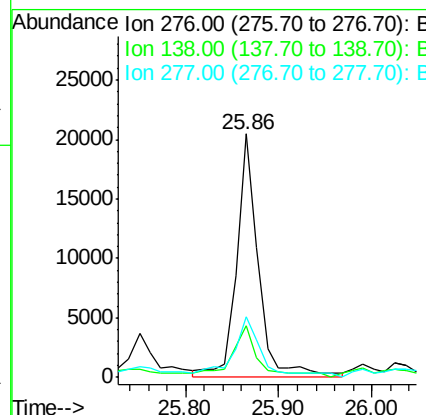
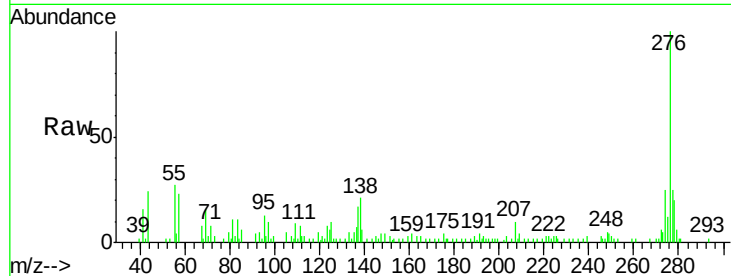
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.05 ng
 RT: 25.86 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.7	38.5#
277	32.8	15.6	23.4#

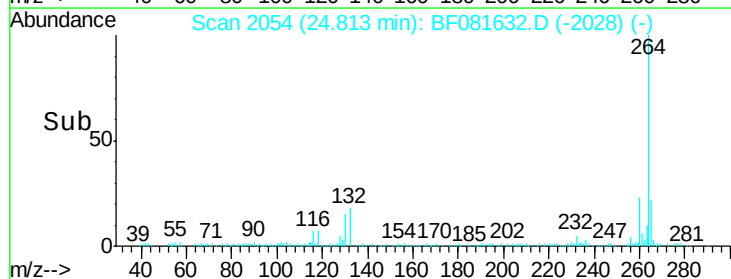
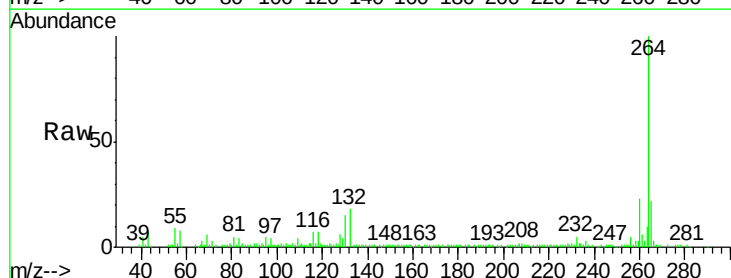
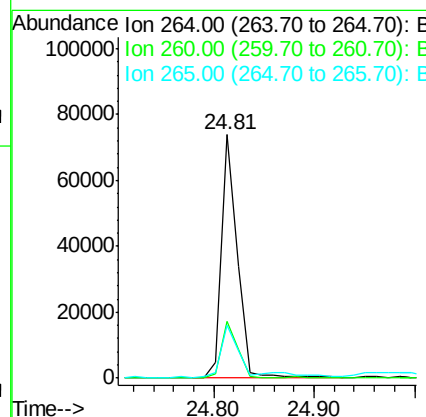
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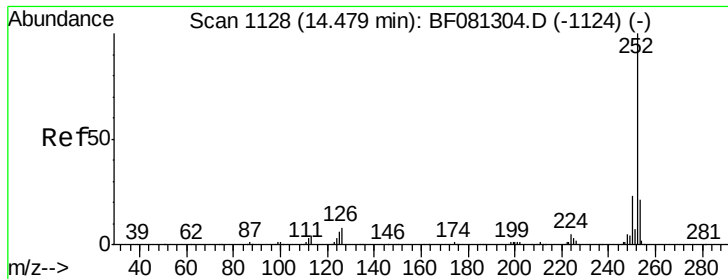
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	16.7	25.1
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.97 ng m

RT: 24.48 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF081632.D

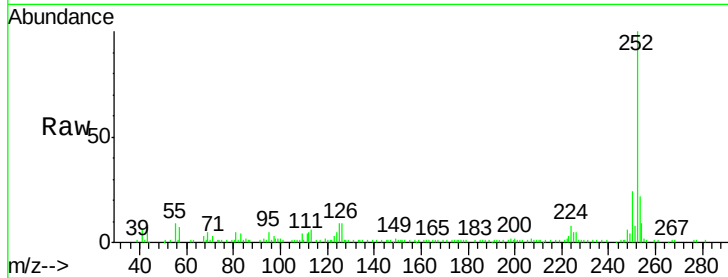
Acq: 15 Sep 2015 16:38

Instrument :

BNA_F

ClientSampleId :

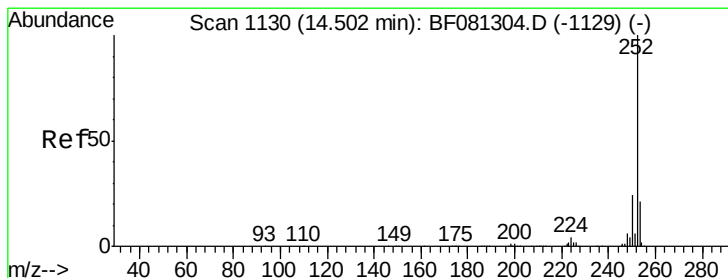
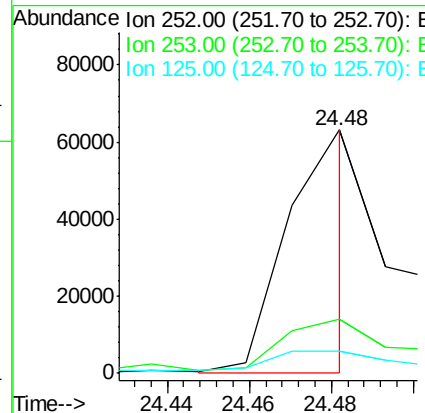
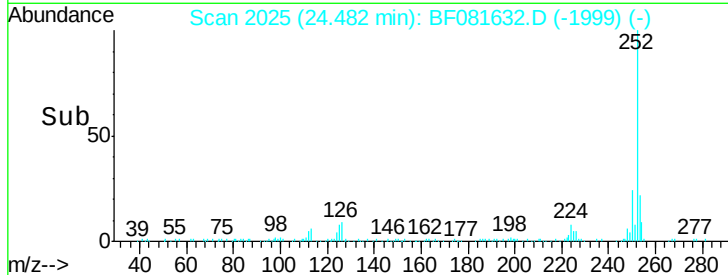
GP-14(0-5)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.9	17.1	25.7#

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#88

Benzo(k)fluoranthene

Concen: 7.98 ng m

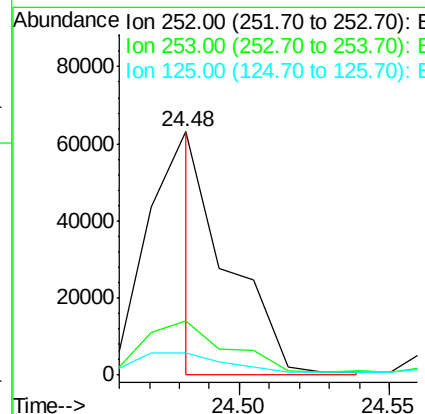
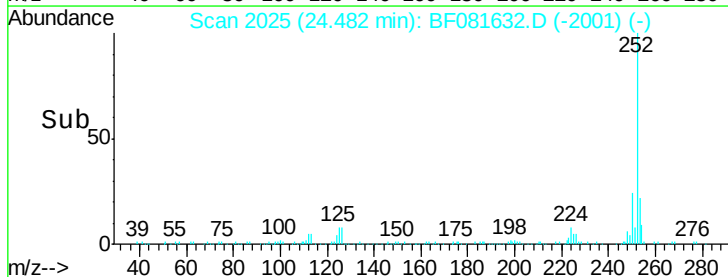
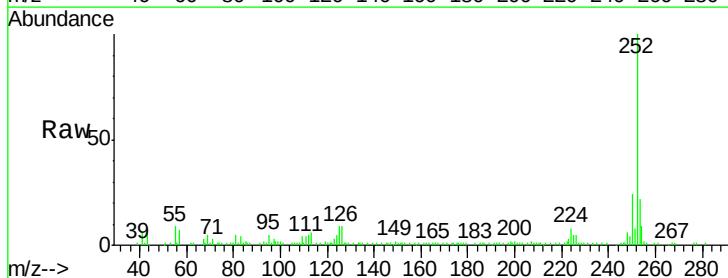
RT: 24.48 min Scan# 2025

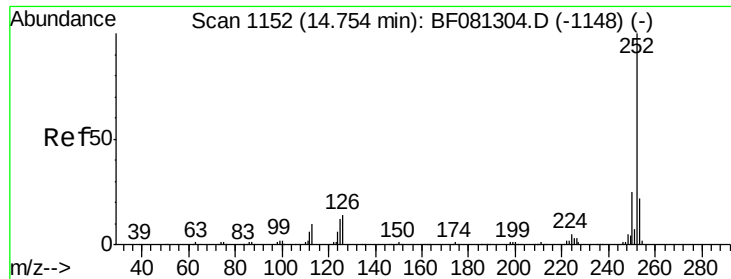
Delta R.T. -0.02 min

Lab File: BF081632.D

Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	8.9	16.0	24.0#





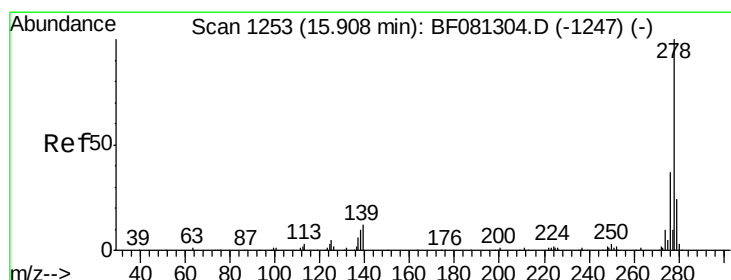
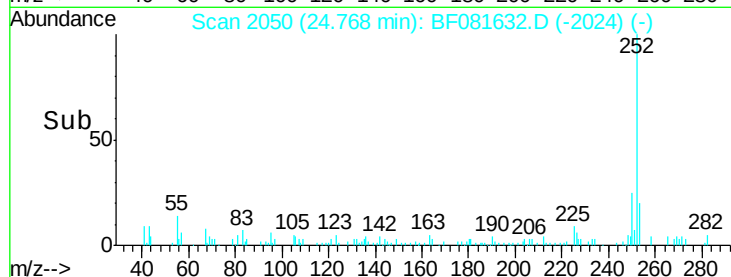
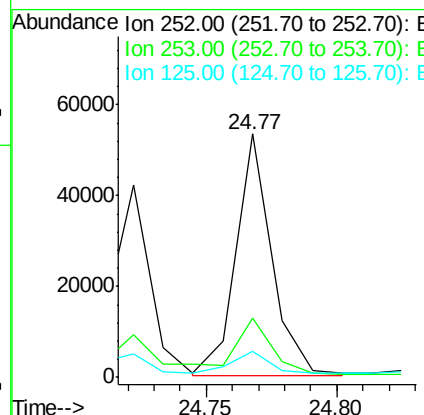
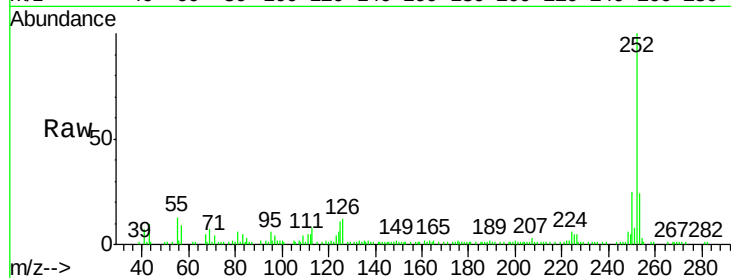
#89
Benzo(a)pyrene
Concen: 10.33 ng
RT: 24.77 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Instrument :
BNA_F
ClientSampleId :
GP-14(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	10.7	18.0	27.0#

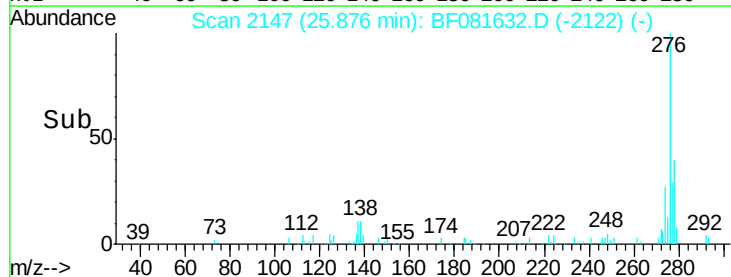
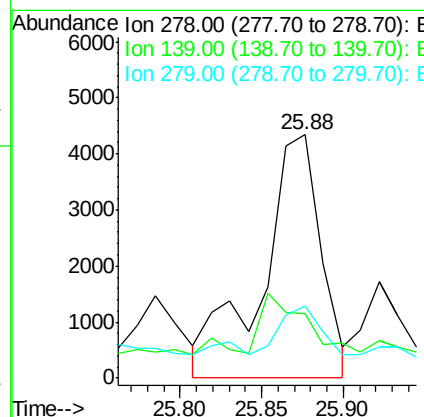
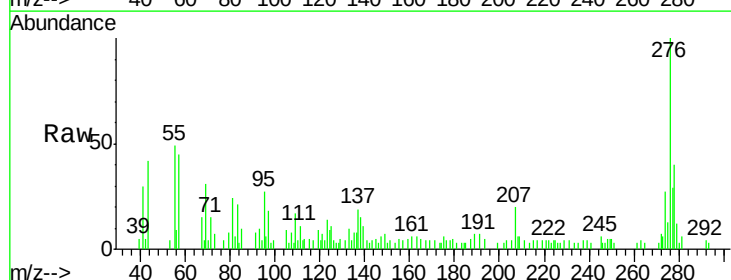
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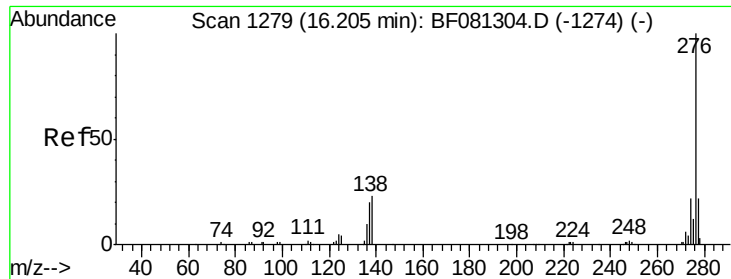
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#90
Dibenzo(a,h)anthracene
Concen: 2.91 ng
RT: 25.88 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BF081632.D
Acq: 15 Sep 2015 16:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	26.3	39.5
279	29.8	18.2	27.4#





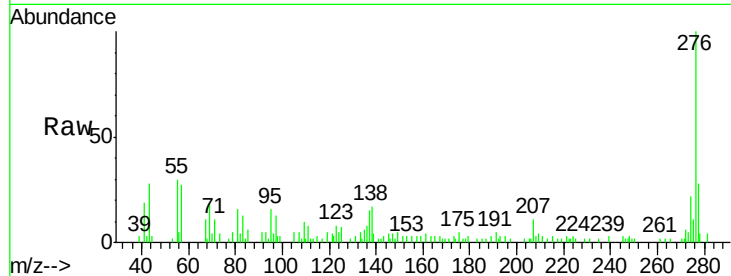
#91
 Benzo(g,h,i)perylene
 Concen: 8.25 ng
 RT: 26.17 min Scan# 2173
 Delta R.T. -0.00 min
 Lab File: BF081632.D
 Acq: 15 Sep 2015 16:38

Instrument :
 BNA_F
 ClientSampleId :
 GP-14(0-5)

Tgt Ion:	276	Resp:	29879
Ion Ratio	Lower	Upper	
276	100		
277	27.6	17.8	26.6#
138	21.2	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

