

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082158.D
 Acq On : 9 Oct 2015 21:45
 Operator : UM/IZ
 Sample : G3921-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

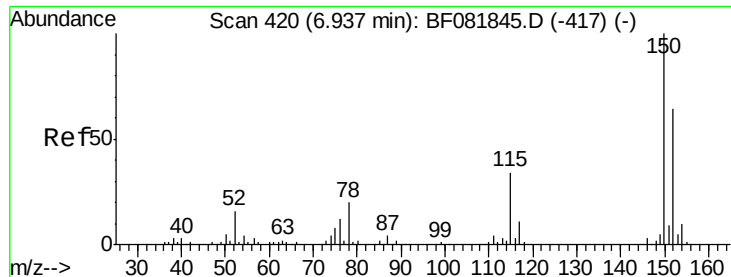
Manual Integrations
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 10/12/2015 2:44:49 PM

Quant Time: Oct 10 04:08:51 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107444	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	408438	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	175733	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	279411	20.00	ng	0.00
75) Chrysene-d12	14.02	240	245060	20.00	ng	-0.01
86) Perylene-d12	15.46	264	174320	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	546659	92.36	ng	0.01
7) Phenol-d6	6.49	99	759726	102.01	ng	0.00
23) Nitrobenzene-d5	7.42	82	414286	67.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	147187	82.70	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	653541	58.57	ng	-0.01
78) Terphenyl-d14	12.97	244	473350	56.92	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	162927	13.43	ng	# 97
70) Phenanthrene	11.41	178	94622	5.58	ng	98
71) Anthracene	11.45	178	33428	2.35	ng	98
74) Fluoranthene	12.60	202	177912	11.89	ng	88
77) Pyrene	12.82	202	158800	10.85	ng	98
80) Benzo(a)anthracene	14.01	228	80050m	6.07	ng	
82) Chrysene	14.05	228	80379m	5.57	ng	
83) Bis(2-ethylhexyl)phthalate	14.00	149	201406	29.15	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.88	276	30201m	2.93	ng	
87) Benzo(b)fluoranthene	15.05	252	82673m	8.31	ng	
88) Benzo(k)fluoranthene	15.06	252	29818m	3.27	ng	
89) Benzo(a)pyrene	15.41	252	55975m	6.48	ng	
91) Benzo(g,h,i)perylene	17.30	276	32294	4.35	ng	# 74

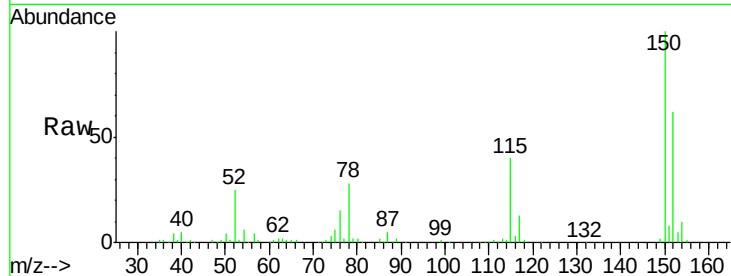
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 412
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

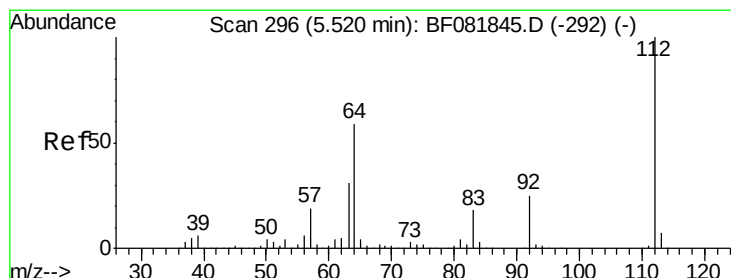
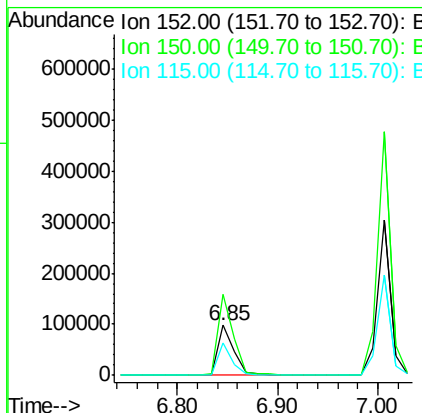
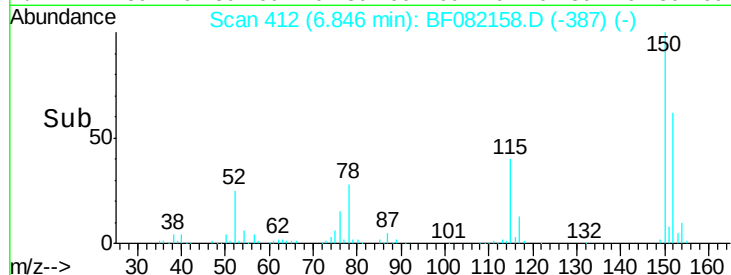
Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.7	187.1
115	64.2	39.0	58.4#

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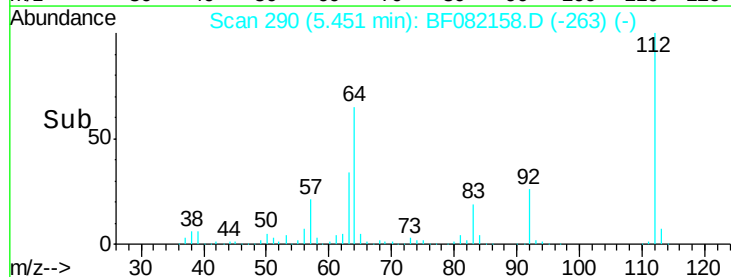
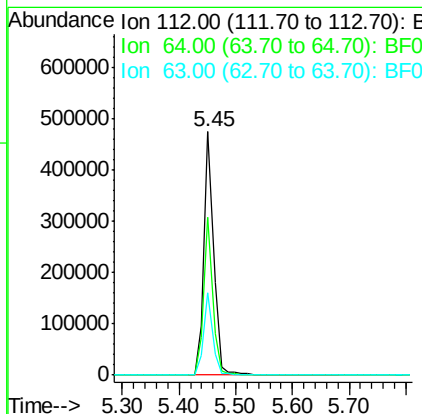
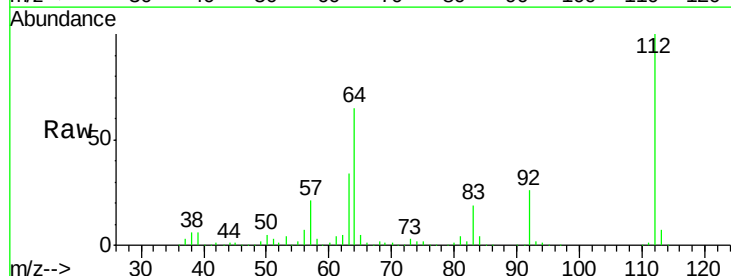
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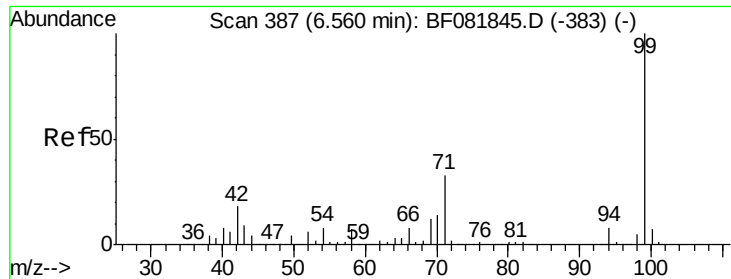


#5

2-Fluorophenol
Concen: 92.36 ng
RT: 5.45 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	39.7	59.5#
63	33.9	17.4	26.0#





#7

Phenol-d6

Concen: 102.01 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082158.D

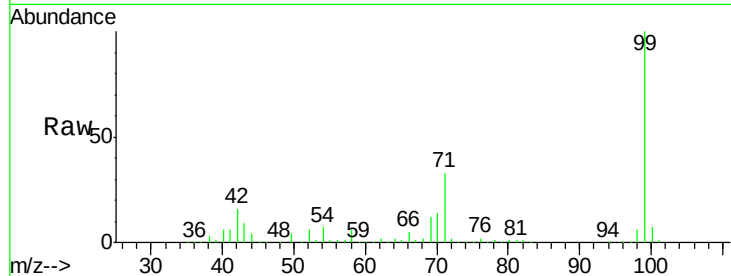
Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

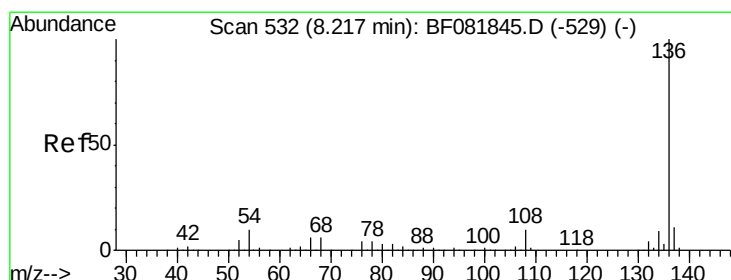
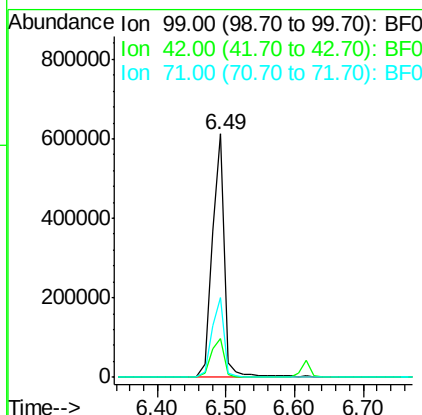
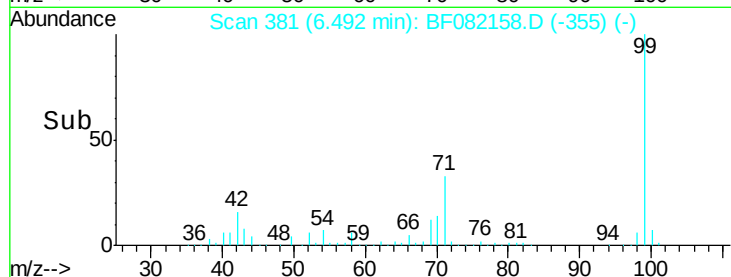
RS-COMP(1-8)



Tgt Ion:	99	Resp:	759726
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.7	20.5
71	32.5	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

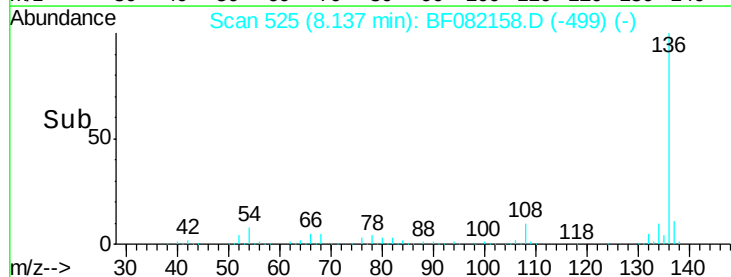
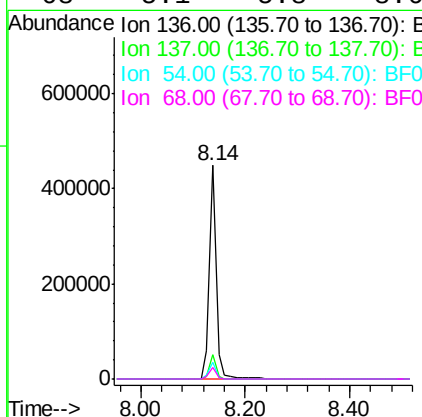
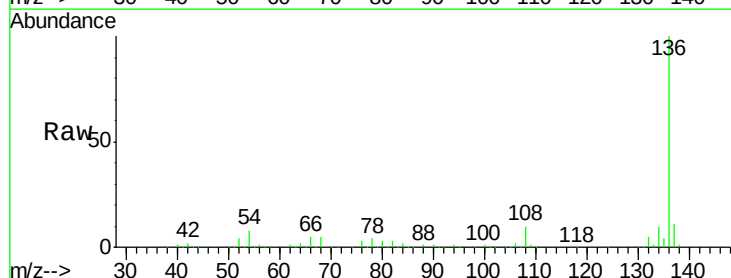
RT: 8.14 min Scan# 525

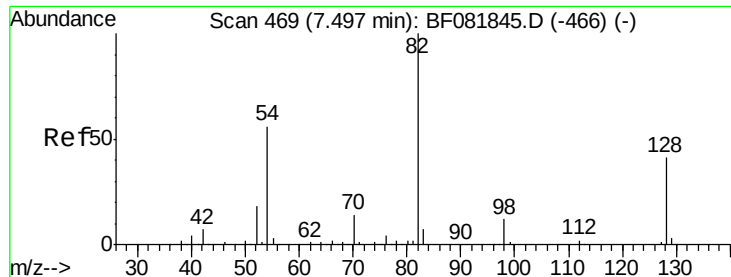
Delta R.T. -0.00 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Tgt Ion:	136	Resp:	408438
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	8.0	8.2	12.2#
68	5.1	5.8	8.6#





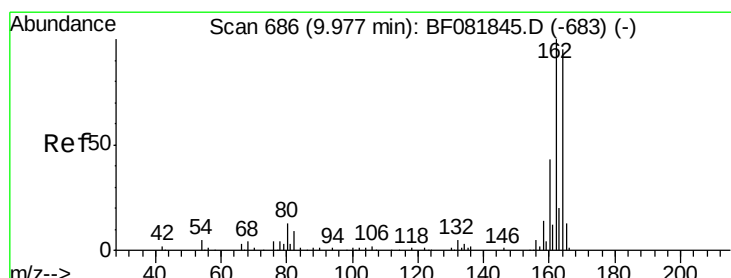
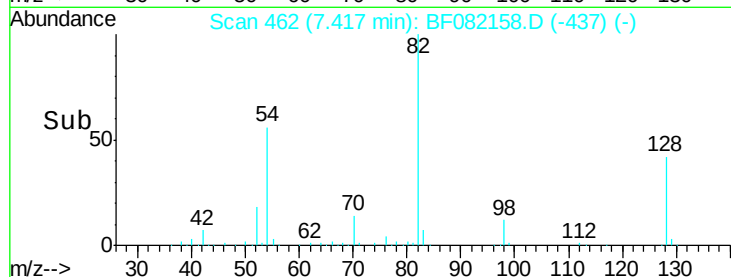
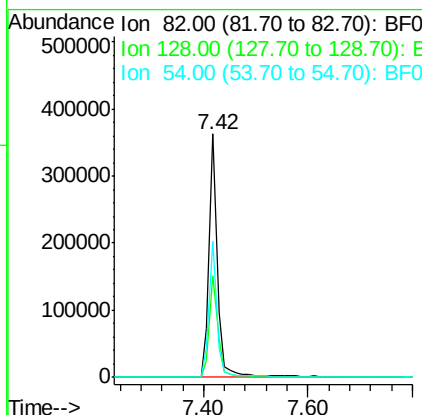
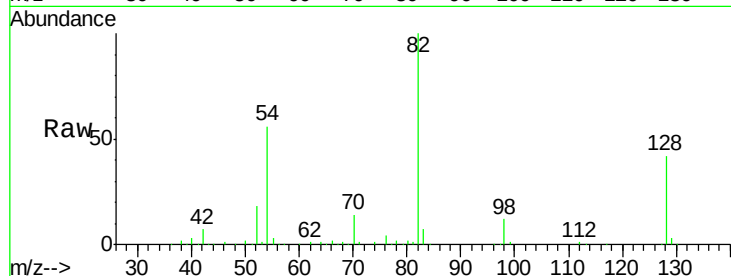
#23
Nitrobenzene-d5
Concen: 67.61 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.7	51.0	76.6#
54	55.8	47.5	71.3

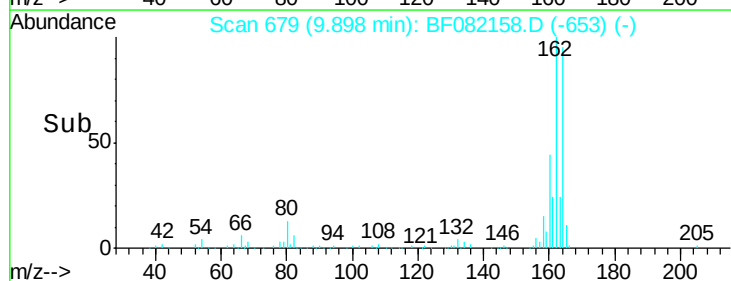
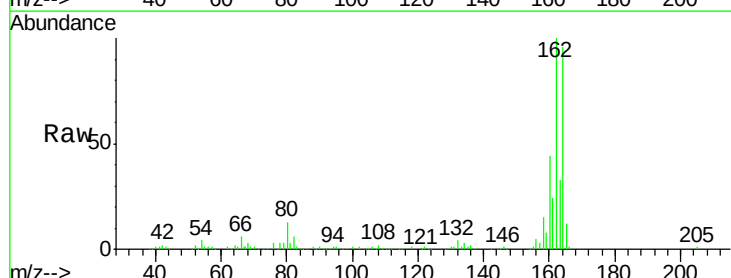
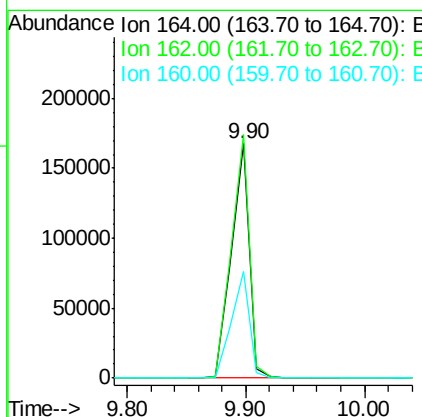
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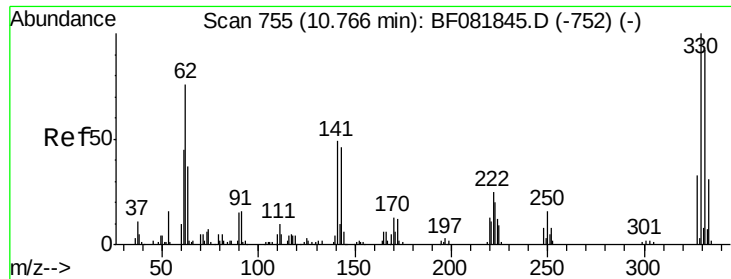
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	75.2	112.8
160	45.5	31.5	47.3





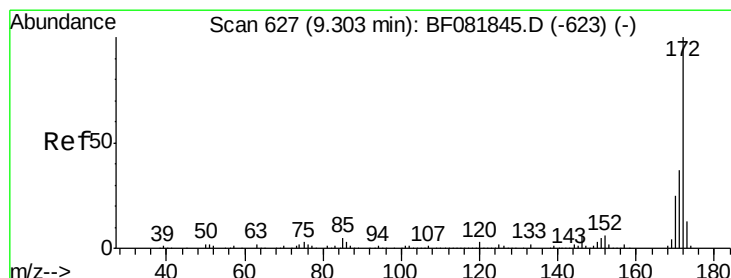
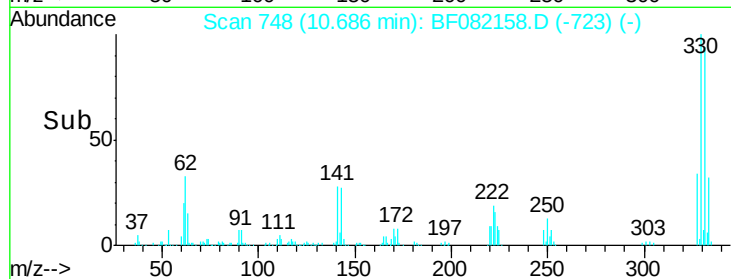
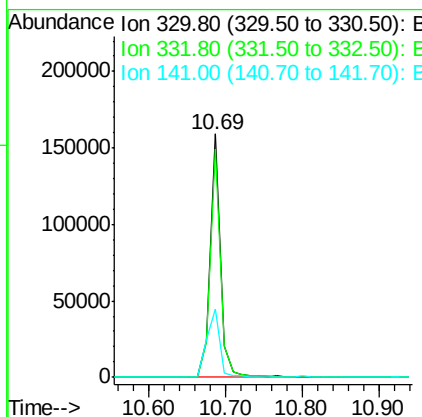
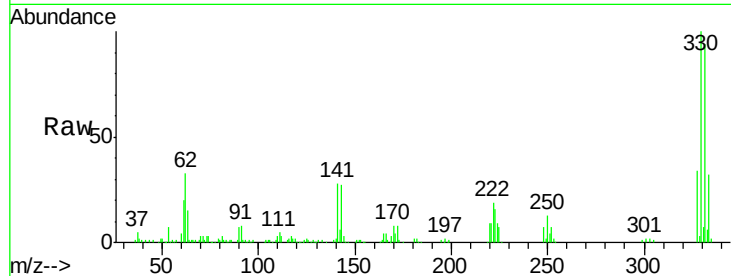
#41
 2,4,6-Tribromophenol
 Concen: 82.70 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	114.8
141	35.7	29.7	44.5

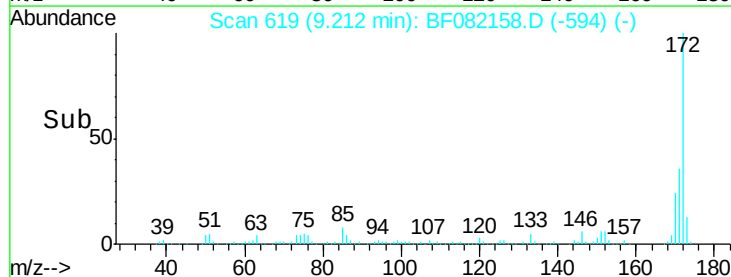
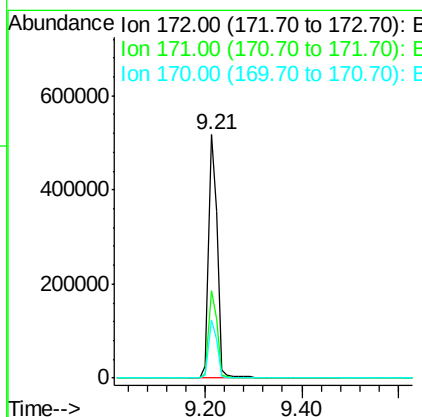
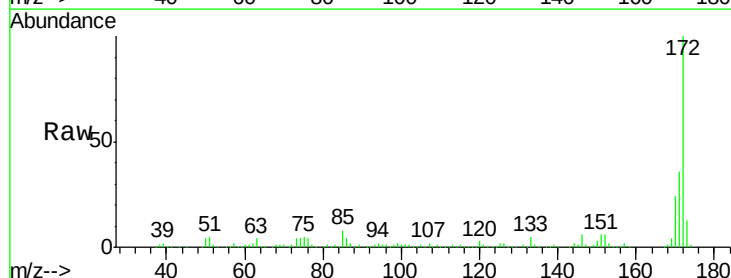
Manual Integrations
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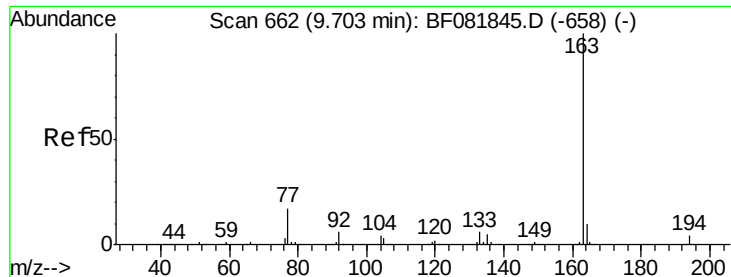
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#44
 2-Fluorobiphenyl
 Concen: 58.57 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	26.1	39.1
170	23.9	17.4	26.2





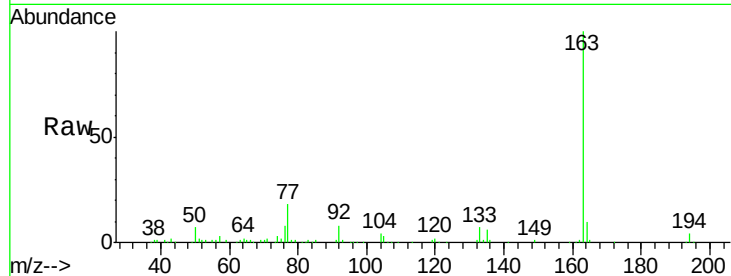
#49
Dimethylphthalate
Concen: 13.43 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

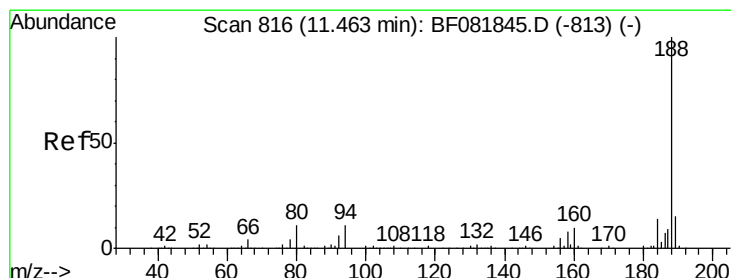
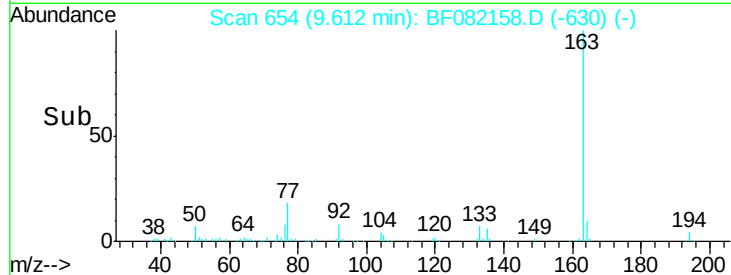
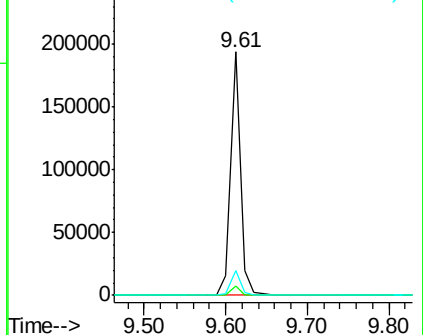
Tgt Ion:163 Resp: 162927
Ion Ratio Lower Upper
163 100
194 3.6 4.4 6.6#
164 10.0 8.3 12.5

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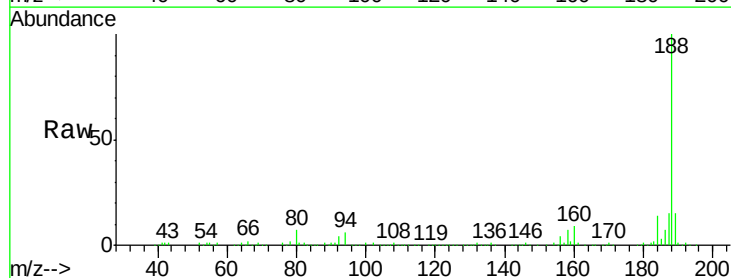


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

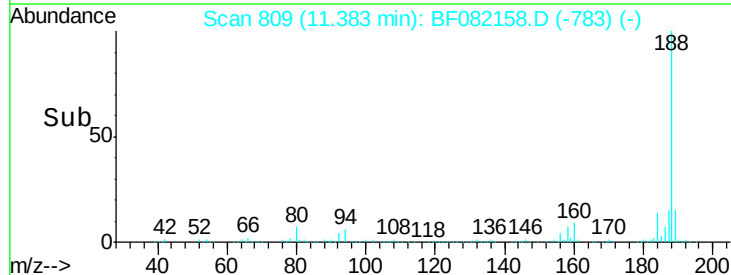
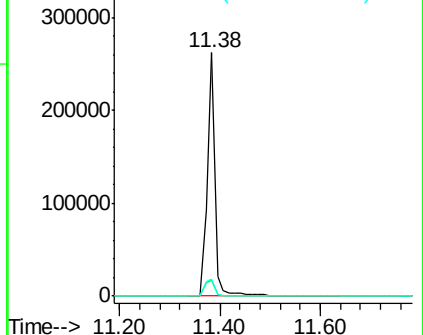


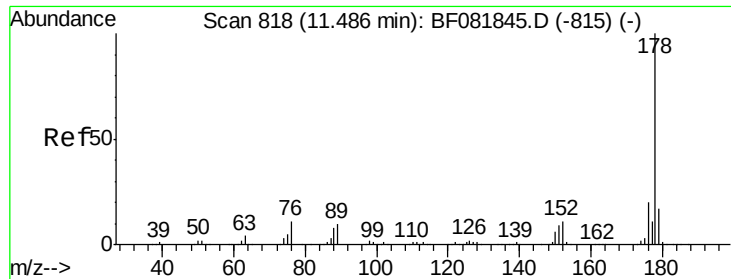
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion:188 Resp: 279411
Ion Ratio Lower Upper
188 100
94 6.4 11.1 16.7#
80 6.8 11.0 16.4#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





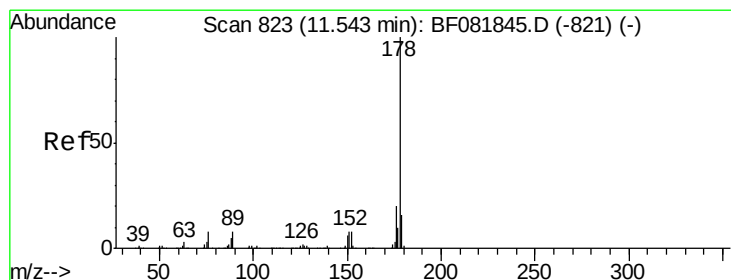
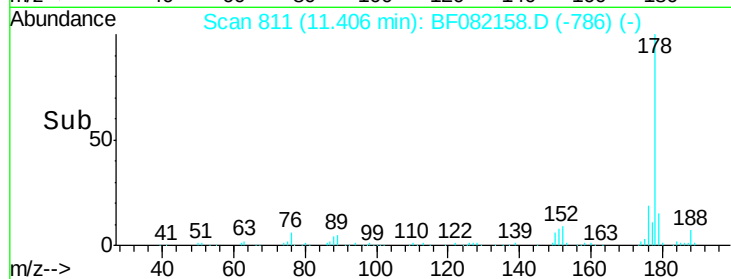
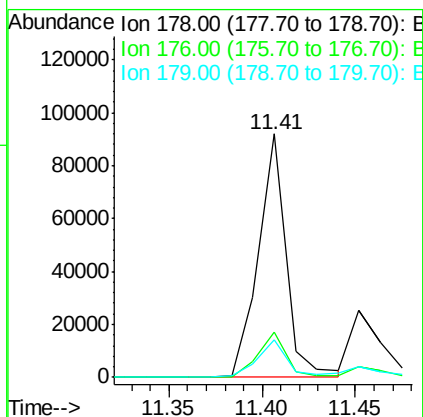
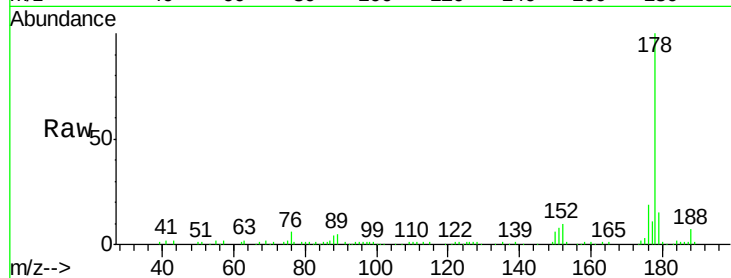
#70
Phenanthrene
Concen: 5.58 ng
RT: 11.41 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	13.8	20.8
179	15.2	12.2	18.2

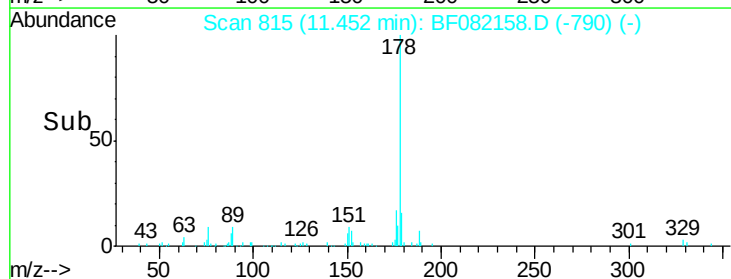
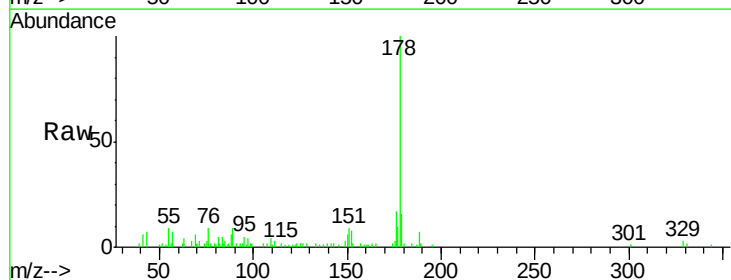
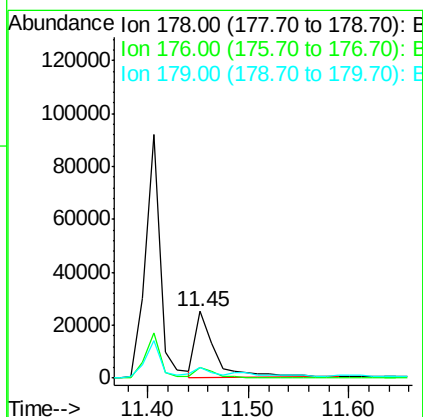
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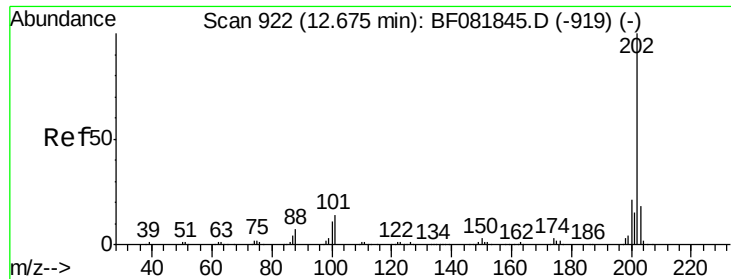
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#71
Anthracene
Concen: 2.35 ng
RT: 11.45 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.1	21.1
179	16.4	12.2	18.2





#74

Fluoranthene

Concen: 11.89 ng

RT: 12.60 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF082158.D

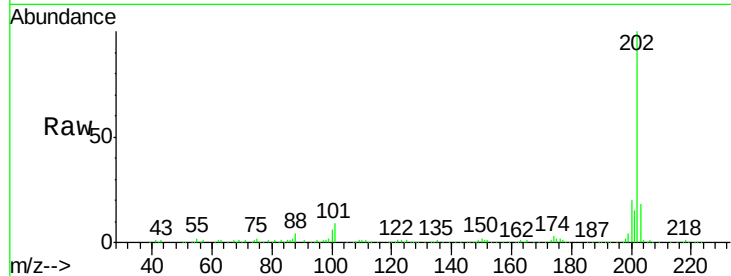
Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

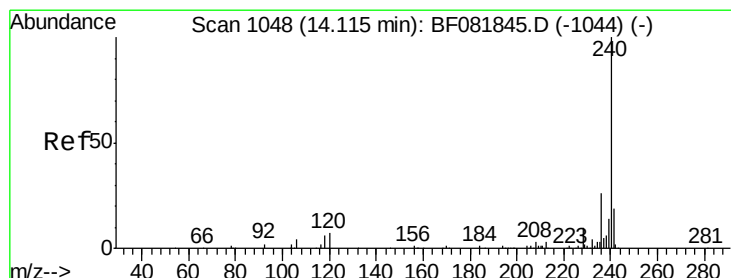
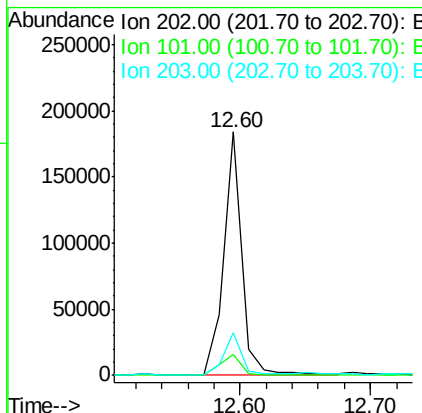
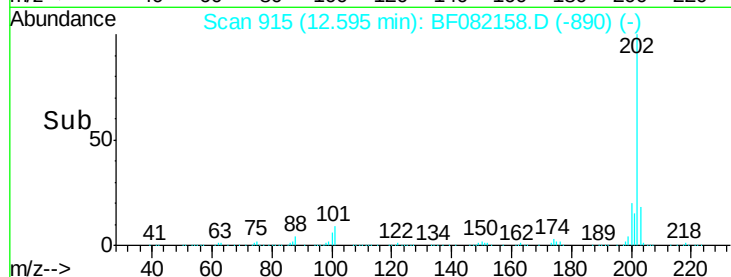
RS-COMP(1-8)



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	177912		
101	8.5	0.0	38.3	
203	17.7	0.0	37.3	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

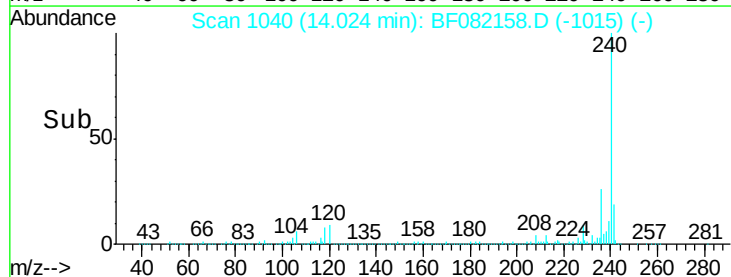
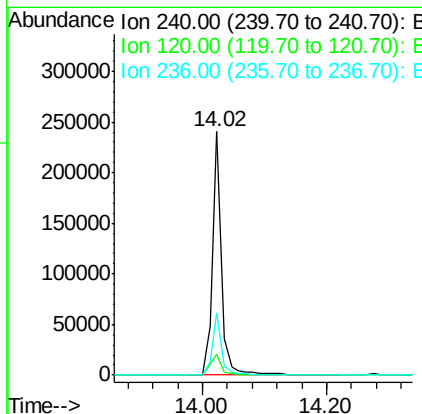
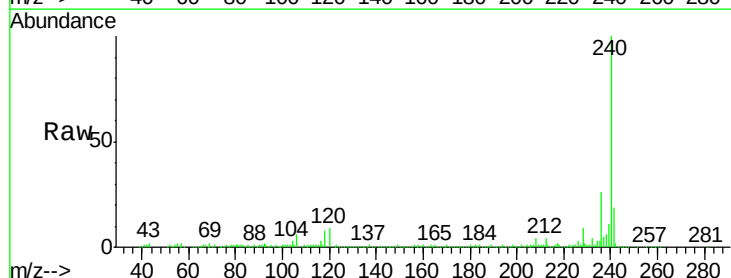
RT: 14.02 min Scan# 1040

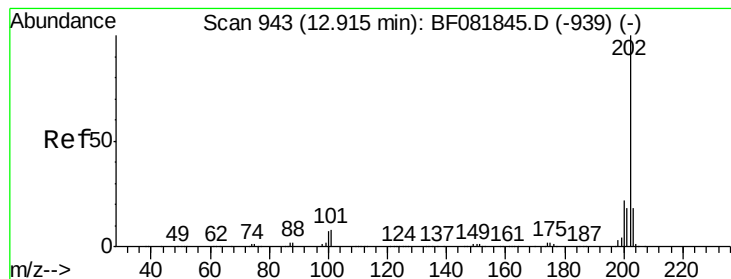
Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	245060		
120	8.7	16.2	24.2#	
236	25.6	18.4	27.6	





#77

Pyrene

Concen: 10.85 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

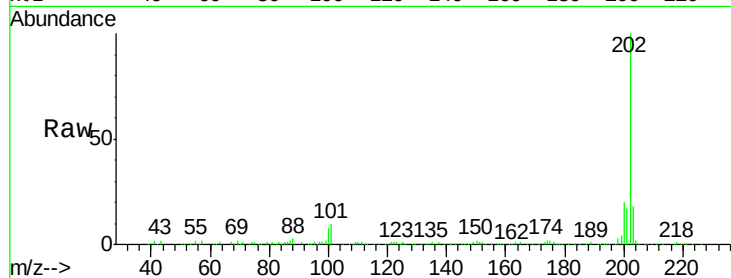
ClientSampleId :

RS-COMP(1-8)

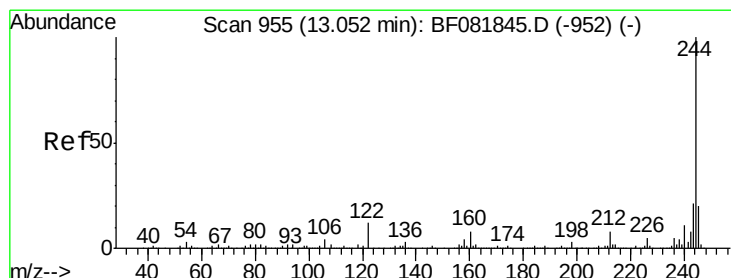
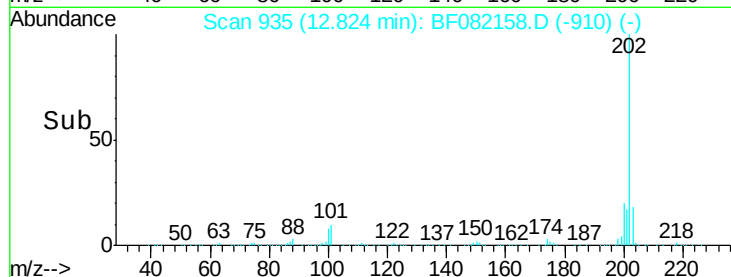
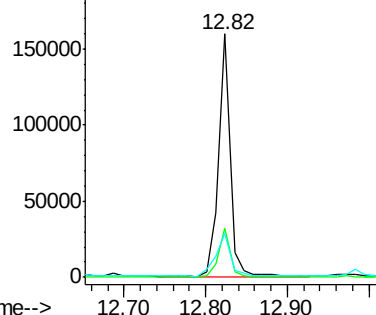
Tgt Ion:	202	Resp:	158800
Ion Ratio	Lower	Upper	
202	100		
200	20.3	15.0	22.4
203	18.0	14.1	21.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.92 ng

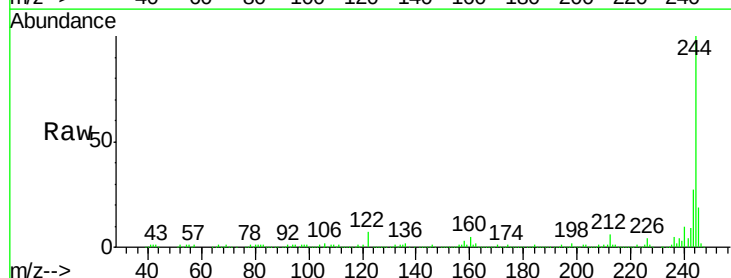
RT: 12.97 min Scan# 948

Delta R.T. -0.00 min

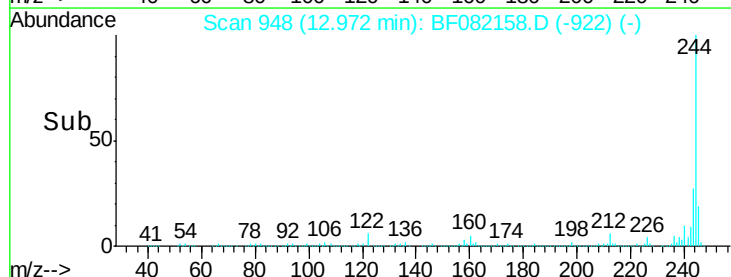
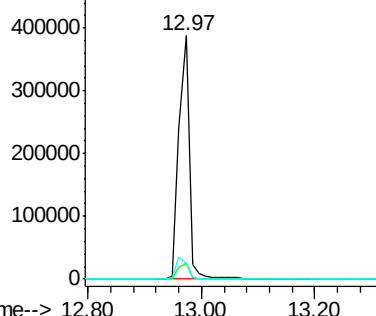
Lab File: BF082158.D

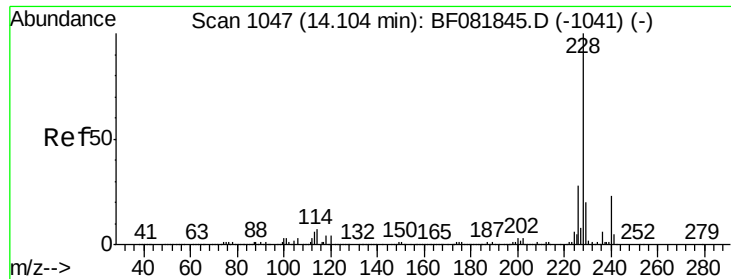
Acq: 9 Oct 2015 21:45

Tgt Ion:	244	Resp:	473350
Ion Ratio	Lower	Upper	
244	100		
212	6.5	4.3	6.5
122	6.6	17.4	26.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





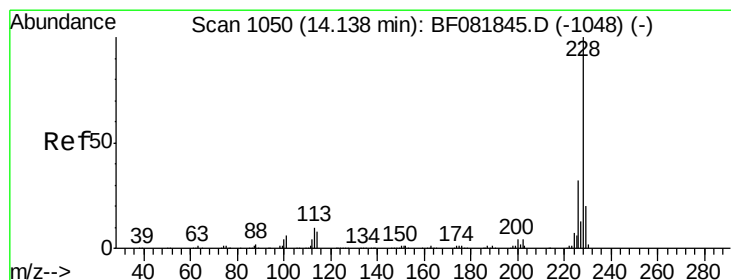
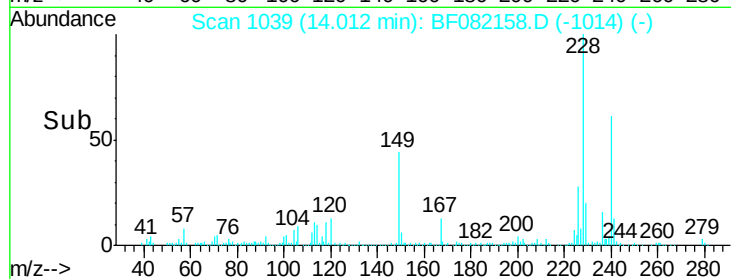
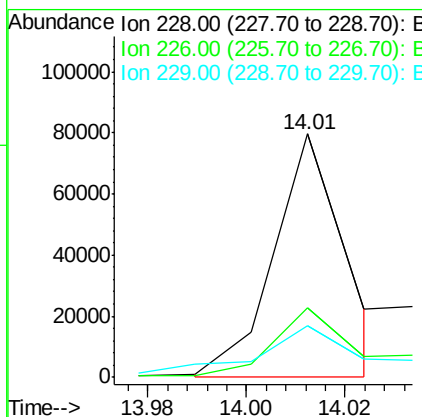
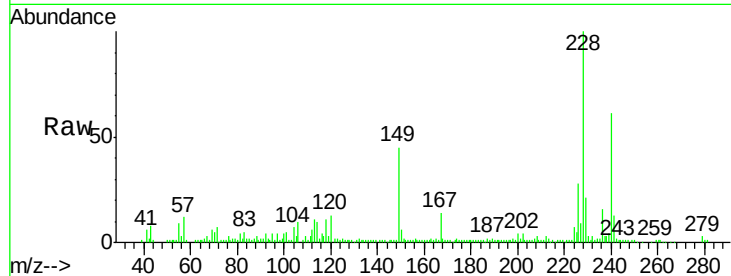
#80
Benzo(a)anthracene
Concen: 6.07 ng m
RT: 14.01 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.0	30.0
229	21.3	15.4	23.2

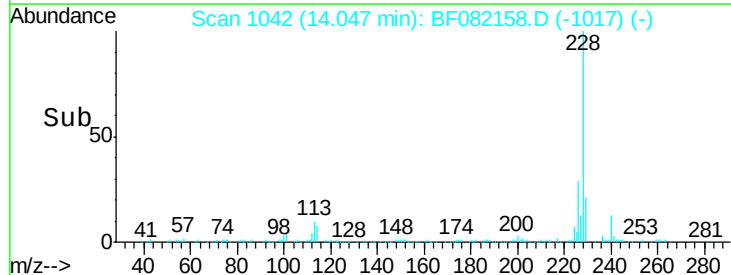
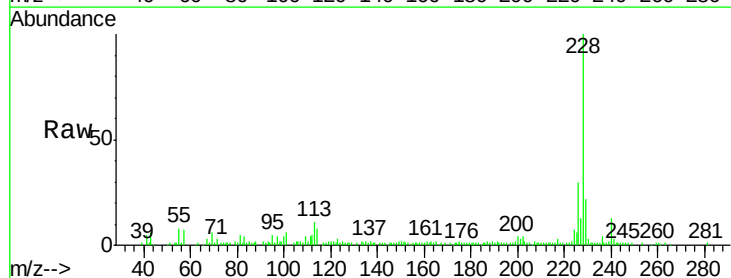
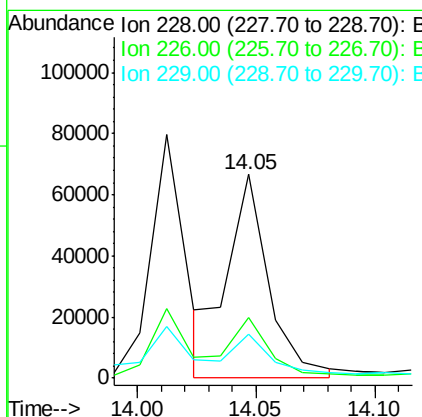
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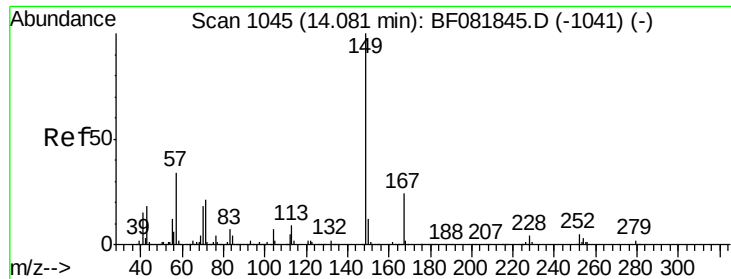
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#82
Chrysene
Concen: 5.57 ng m
RT: 14.05 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.0	31.4
229	21.8	15.6	23.4





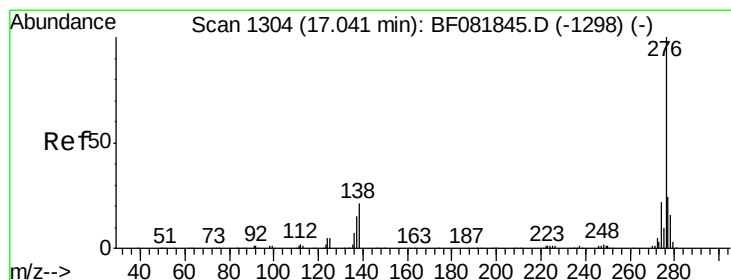
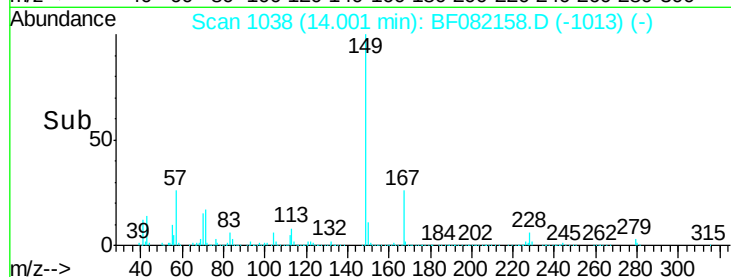
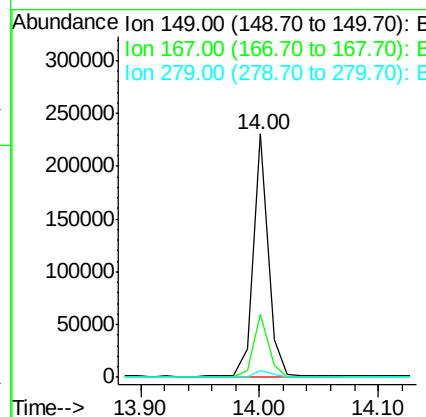
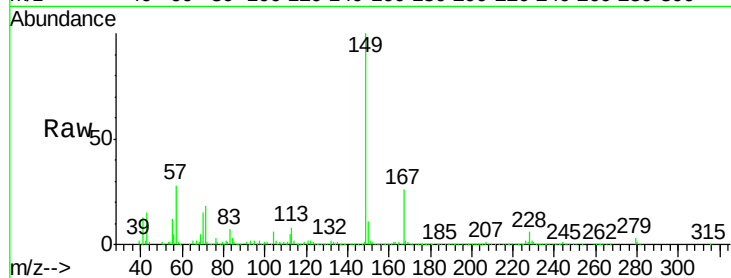
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 29.15 ng
 RT: 14.00 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Instrument :
 BNA_F
 ClientSampleId :
 RS-COMP(1-8)

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	25.9	24.2	36.2
279	2.8	3.8	5.6#

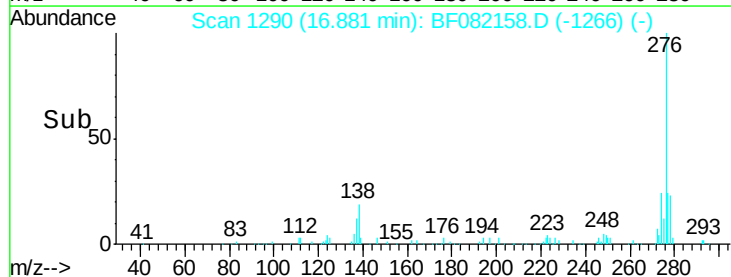
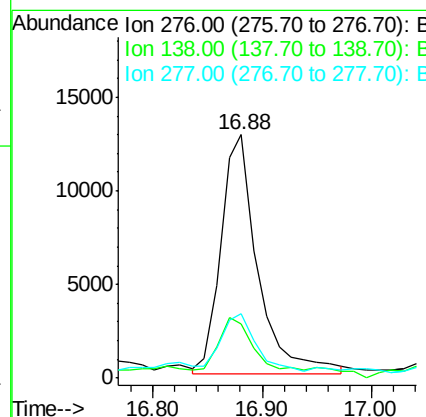
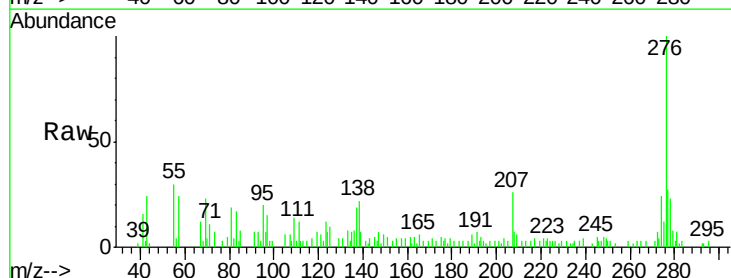
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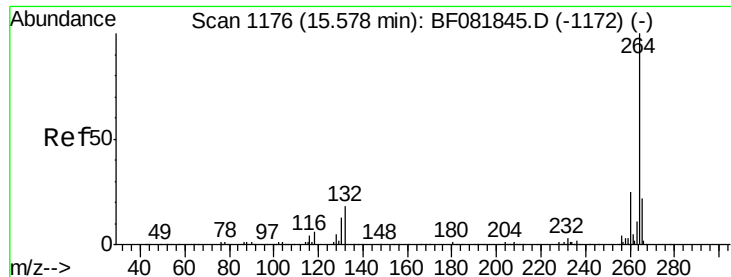
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.93 ng m
 RT: 16.88 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF082158.D
 Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.8	25.7	38.5#
277	30.1	15.6	23.4#





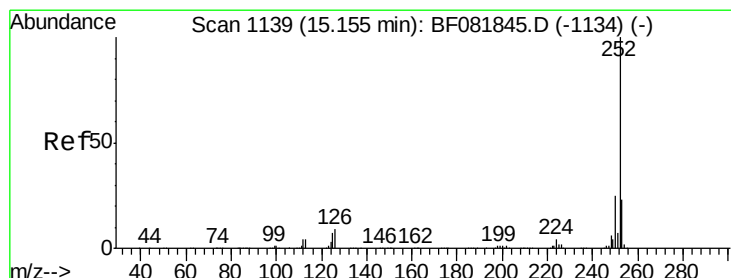
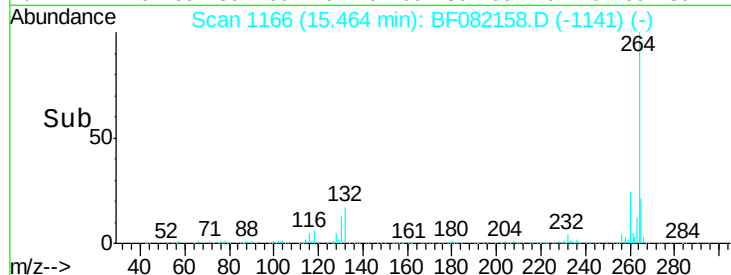
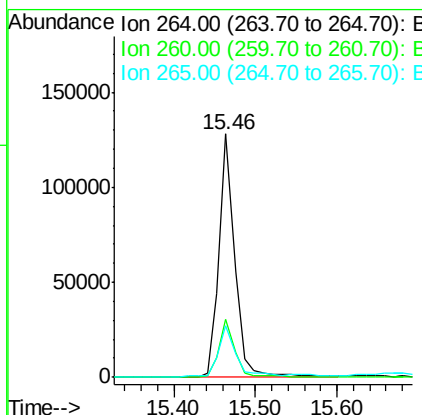
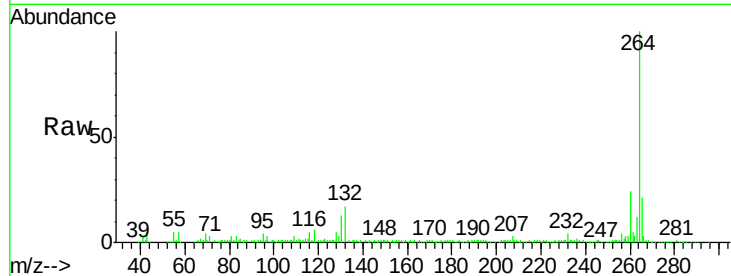
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	25.1
265	21.4	17.2	25.8

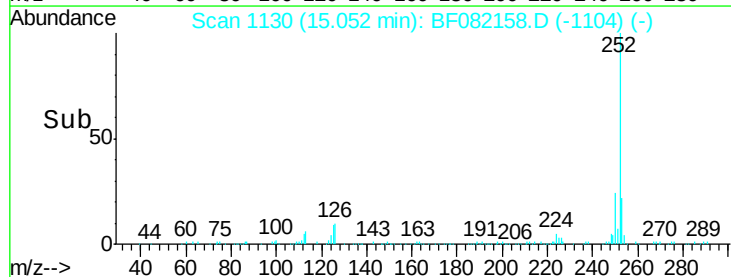
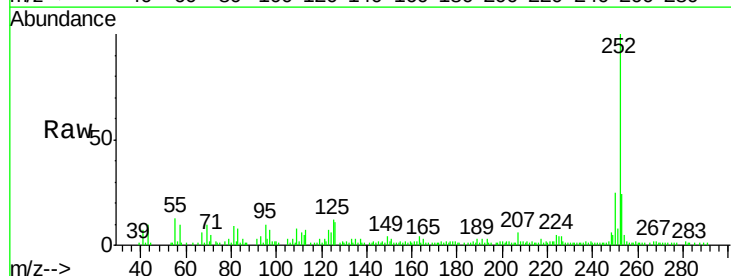
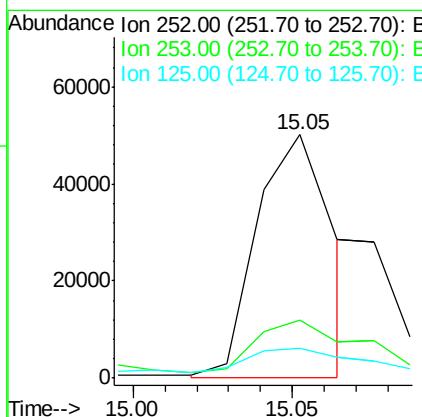
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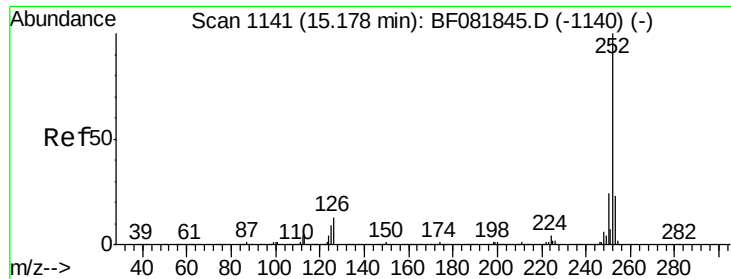
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#87
Benzo(b)fluoranthene
Concen: 8.31 ng m
RT: 15.05 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.0	17.1	25.7#





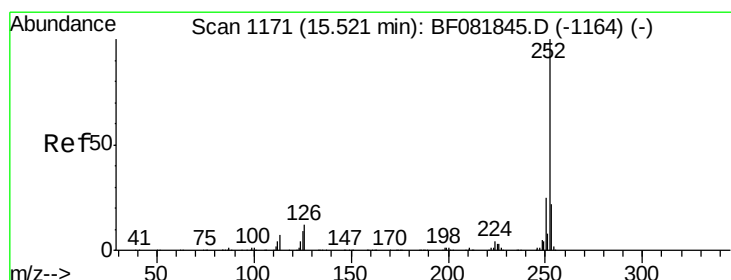
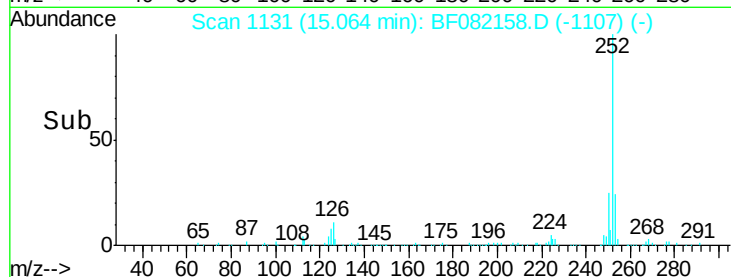
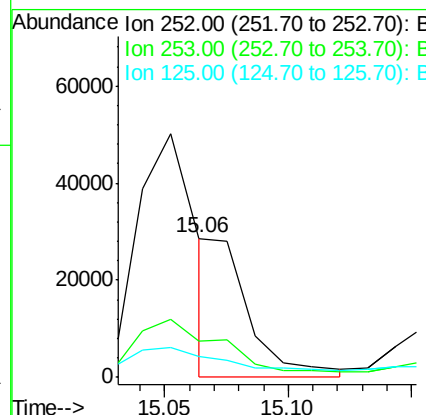
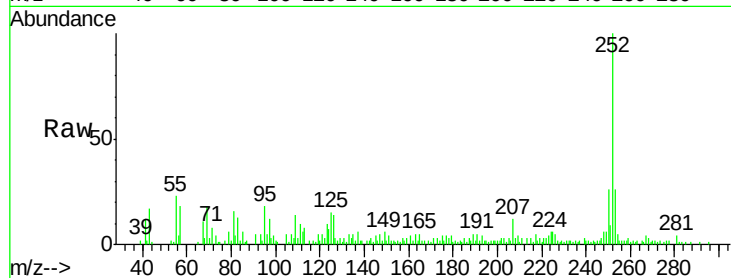
#88
Benzo(k)fluoranthene
Concen: 3.27 ng m
RT: 15.06 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Instrument :
BNA_F
ClientSampleId :
RS-COMP(1-8)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.0	25.4#
125	14.7	16.0	24.0#

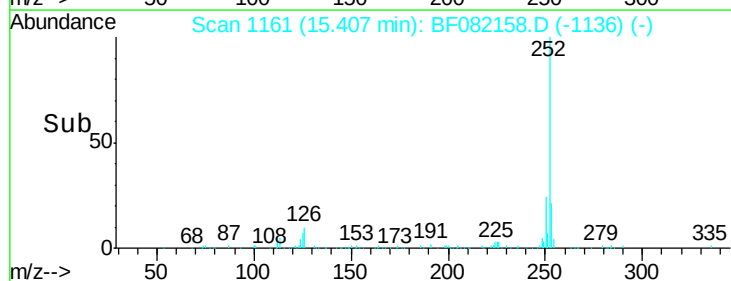
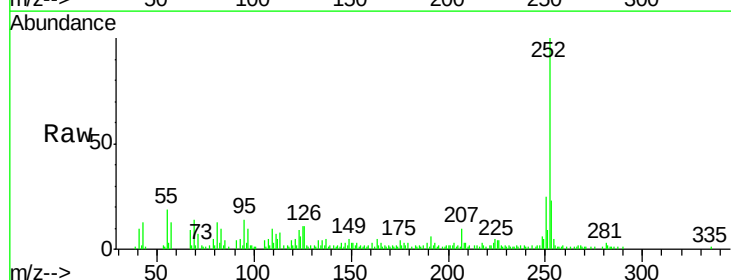
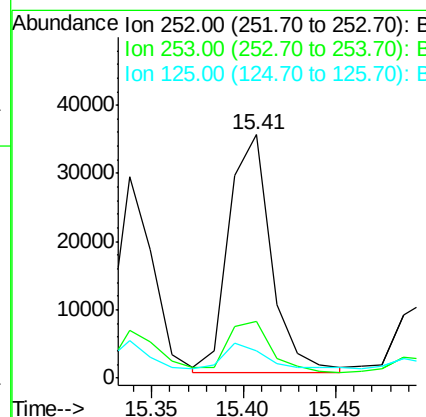
Manual Integrations
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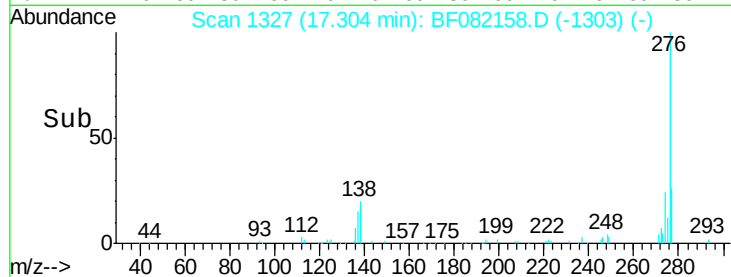
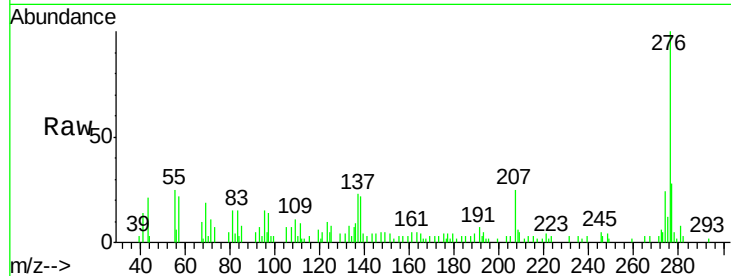
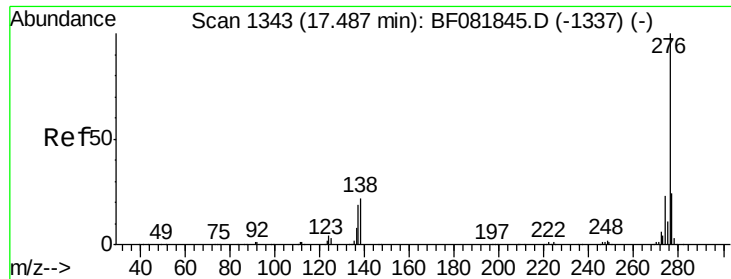
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#89
Benzo(a)pyrene
Concen: 6.48 ng m
RT: 15.41 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF082158.D
Acq: 9 Oct 2015 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	11.0	18.0	27.0#





#91

Benzo(g,h,i)perylene

Concen: 4.35 ng

RT: 17.30 min Scan# 1327

Delta R.T. -0.02 min

Lab File: BF082158.D

Acq: 9 Oct 2015 21:45

Instrument :

BNA_F

ClientSampleId :

RS-COMP(1-8)

Tgt Ion:	276	Resp:	32294
Ion Ratio	Lower	Upper	
276	100		
277	28.1	17.8	26.6#
138	22.2	34.6	51.8#

Manual Integrations
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