

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081634.D
 Acq On : 15 Sep 2015 17:51
 Operator : UM/IZ
 Sample : G3543-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE

Manual Integrations
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 9/16/2015 1:23:53 PM

Quant Time: Sep 16 01:11:48 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	57180	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	229284	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	103244	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	187943	20.00	ng	0.00
75) Chrysene-d12	23.38	240	120853	20.00	ng	0.00
86) Perylene-d12	24.81	264	97003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	345458	93.74	ng	0.01
7) Phenol-d6	7.63	99	510162	104.58	ng	-0.01
23) Nitrobenzene-d5	9.51	82	340199	71.59	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	95810	104.22	ng	-0.01
44) 2-Fluorobiphenyl	13.76	172	603076	74.85	ng	-0.01
78) Terphenyl-d14	22.12	244	442813	85.29	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.81	163	118520	14.78	ng	Qvalue # 96
70) Phenanthrene	18.80	178	50184	4.80	ng	97
74) Fluoranthene	21.43	202	112037	9.91	ng	87
77) Pyrene	21.77	202	97850	10.93	ng	98
80) Benzo(a)anthracene	23.37	228	43472	5.65	ng	95
82) Chrysene	23.41	228	45482	6.59	ng	92
83) Bis(2-ethylhexyl)phthalate	23.49	149	19952	3.88	ng	# 86
85) Indeno(1,2,3-cd)pyrene	25.87	276	21393	4.23	ng	# 80
87) Benzo(b)fluoranthene	24.48	252	64762m	9.35	ng	
88) Benzo(k)fluoranthene	24.49	252	12454m	2.17	ng	
89) Benzo(a)pyrene	24.77	252	38046	6.48	ng	# 86
91) Benzo(g,h,i)perylene	26.17	276	17798	4.11	ng	# 72

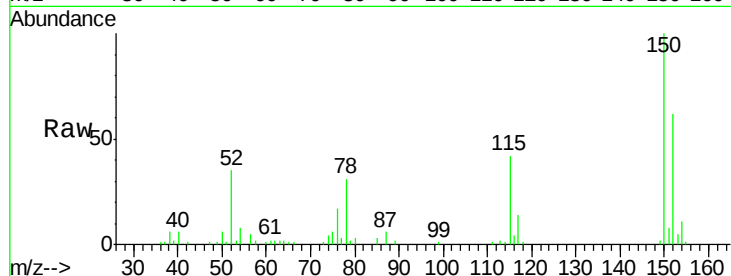
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

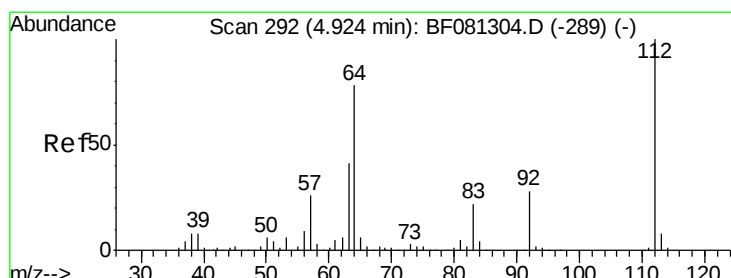
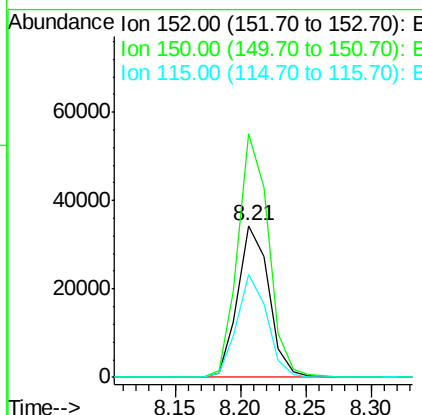
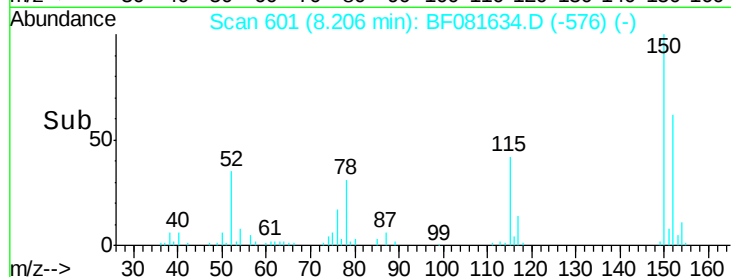
Instrument :
BNA_F
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.7	187.1
115	67.8	39.0	58.4#

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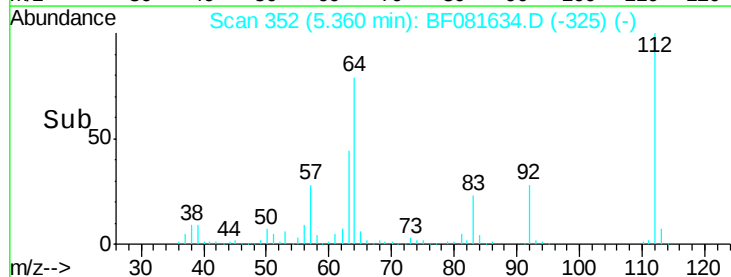
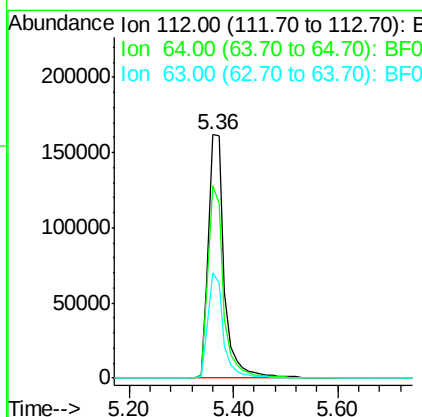
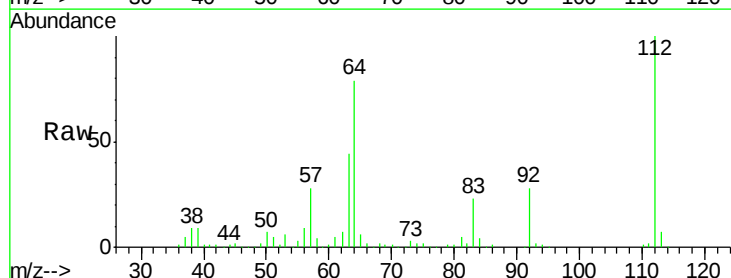
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#5

2-Fluorophenol
Concen: 93.74 ng
RT: 5.36 min Scan# 352
Delta R.T. 0.01 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.1	39.7	59.5#
63	43.5	17.4	26.0#





#7

Phenol-d6

Concen: 104.58 ng

RT: 7.63 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

ClientSampleId :

670UNDERCLIFF-1RE

Tgt Ion: 99 Resp: 510162

Ion Ratio Lower Upper

99 100

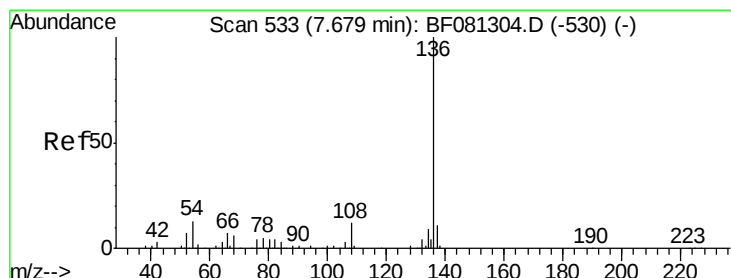
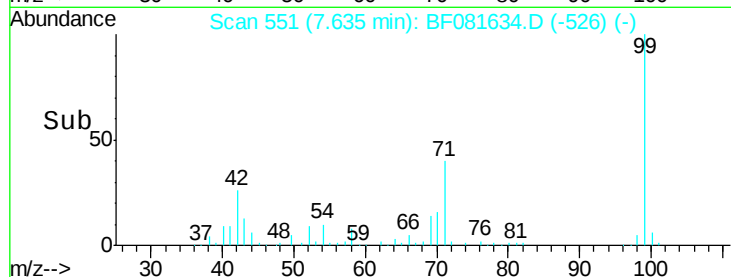
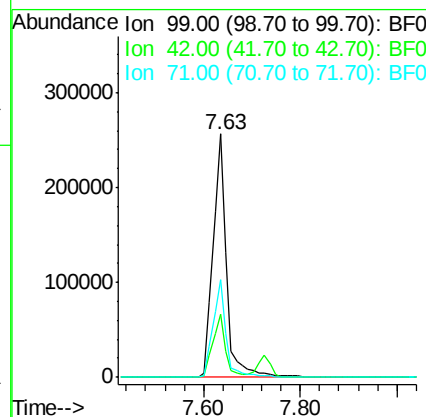
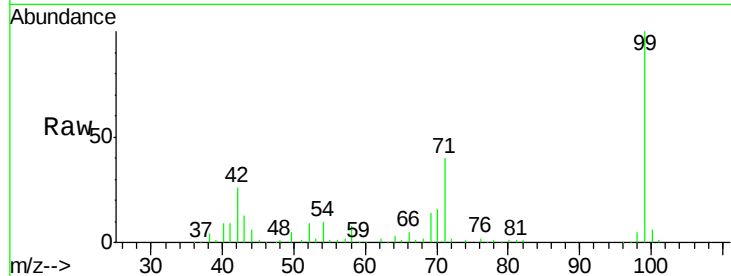
42 25.8 13.7 20.5#

71 40.0 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: BF081634.D

Acq: 15 Sep 2015 17:51

Tgt Ion: 136 Resp: 229284

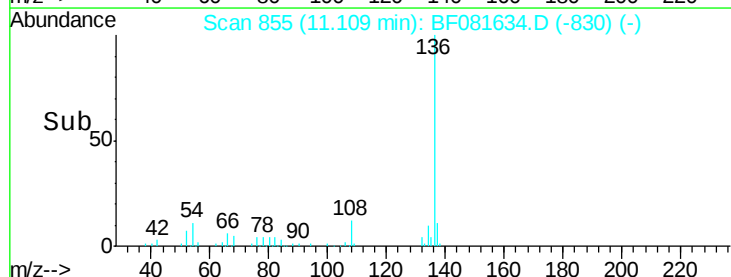
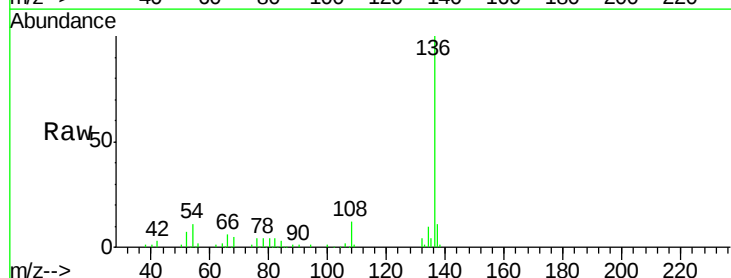
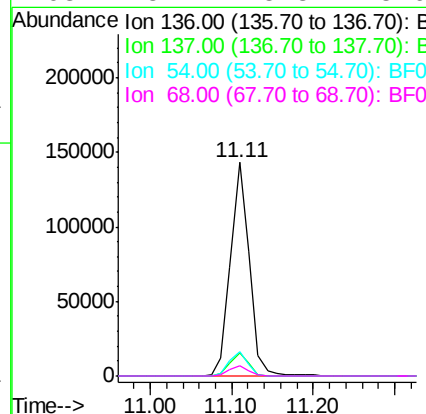
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 11.3 8.2 12.2

68 5.1 5.8 8.6#





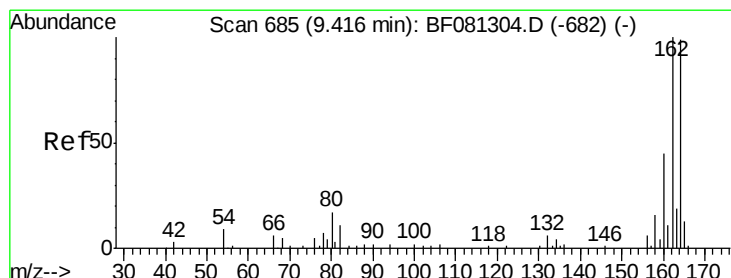
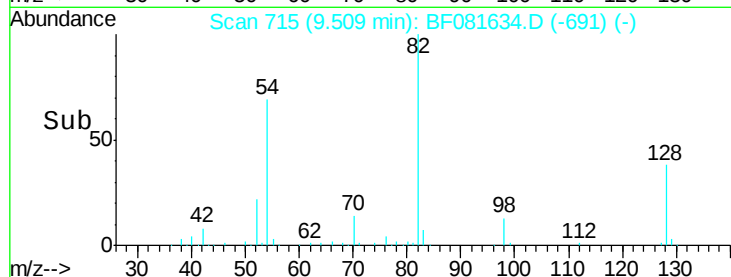
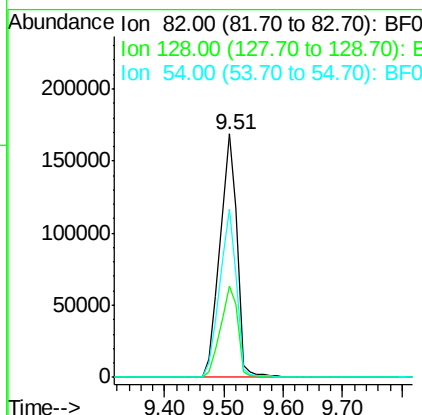
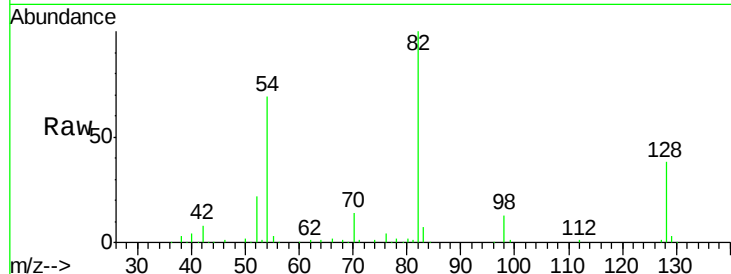
#23
 Nitrobenzene-d5
 Concen: 71.59 ng
 RT: 9.51 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	340199		
128	37.6	51.0	76.6#	
54	69.0	47.5	71.3	

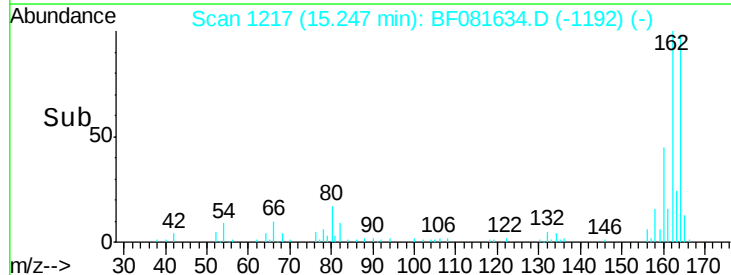
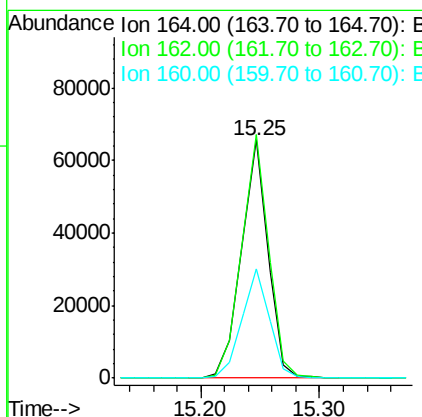
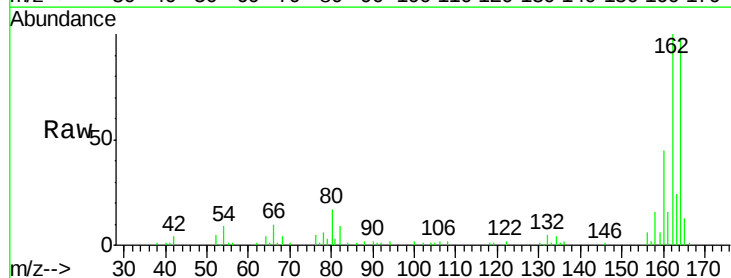
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

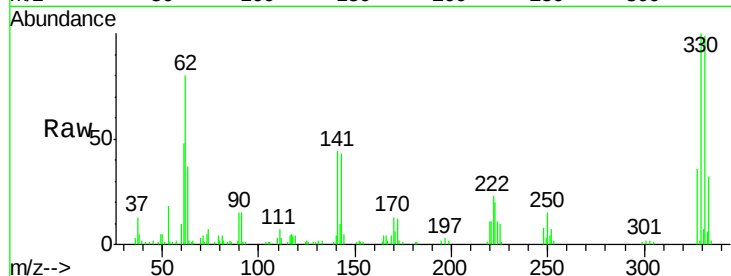
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103244		
162	102.1	75.2	112.8	
160	45.7	31.5	47.3	





#41
 2,4,6-Tribromophenol
 Concen: 104.22 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

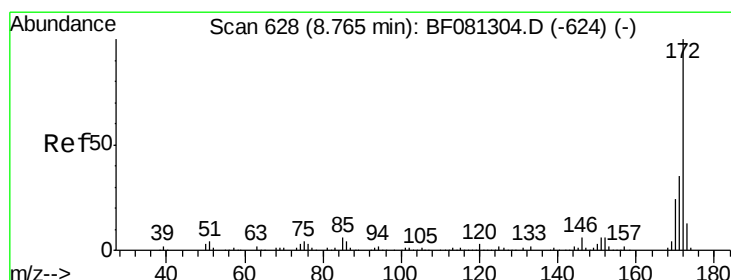
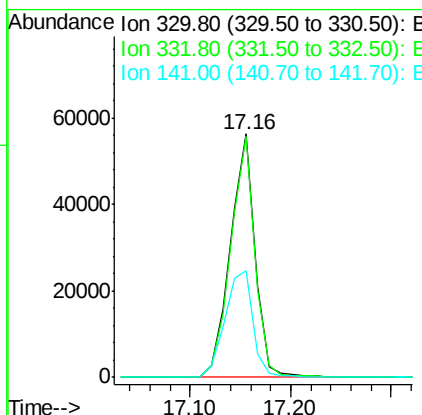
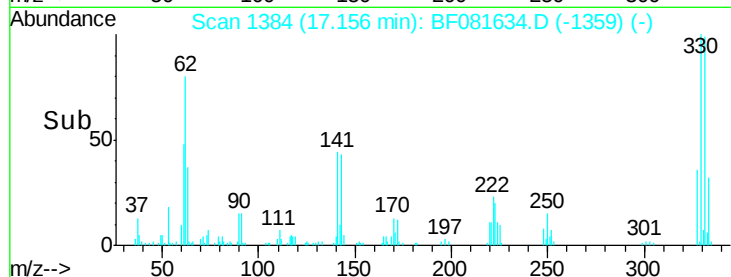
Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	95810		
332	97.6	76.6	114.8	
141	49.5	29.7	44.5#	

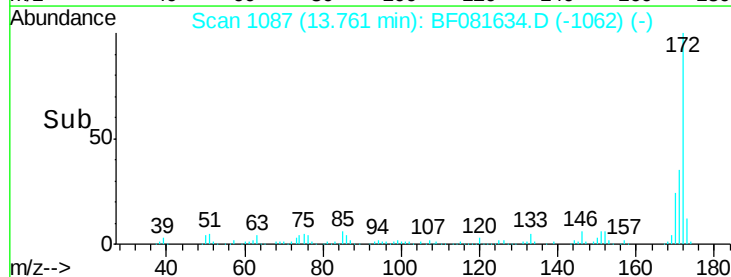
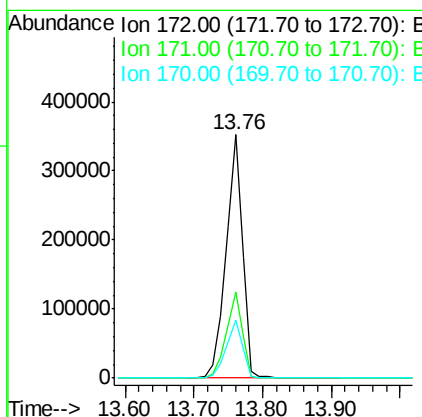
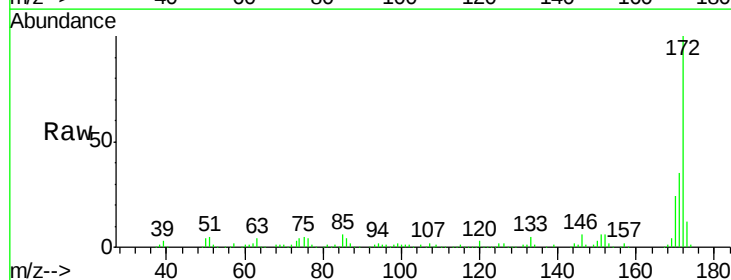
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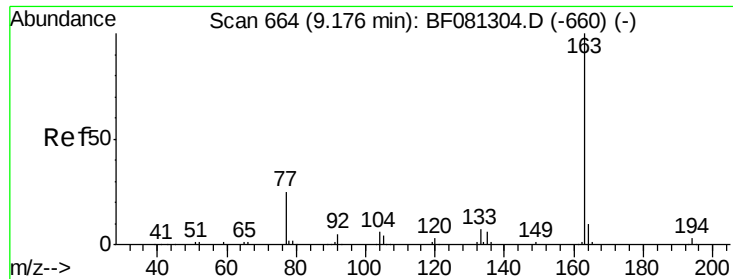
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#44
 2-Fluorobiphenyl
 Concen: 74.85 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	603076		
171	35.3	26.1	39.1	
170	23.9	17.4	26.2	





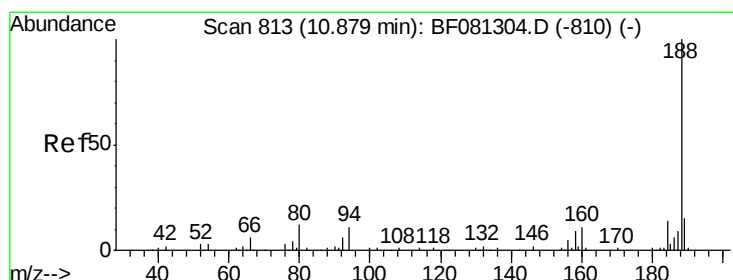
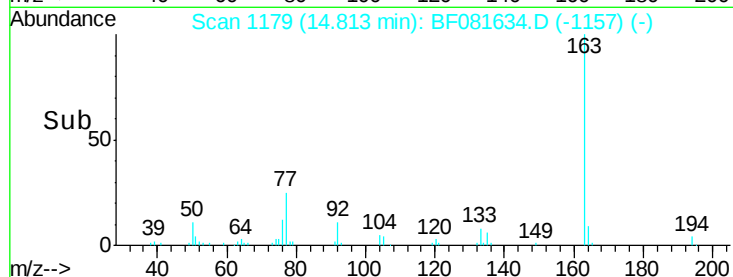
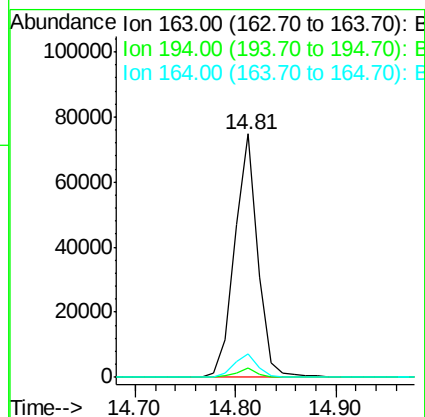
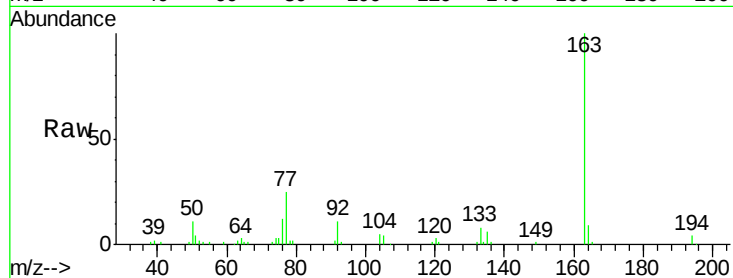
#49
Dimethylphthalate
Concen: 14.78 ng
RT: 14.81 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	4.4	6.6#
164	9.4	8.3	12.5

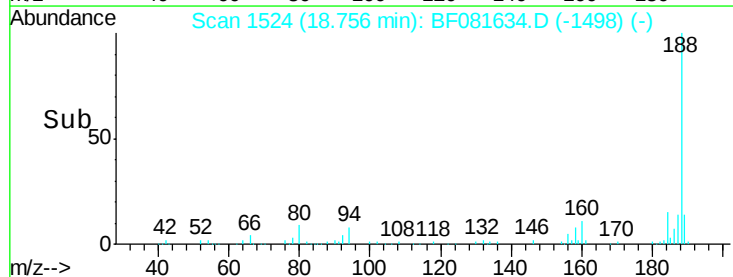
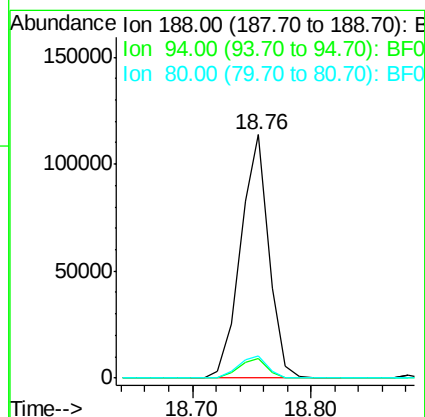
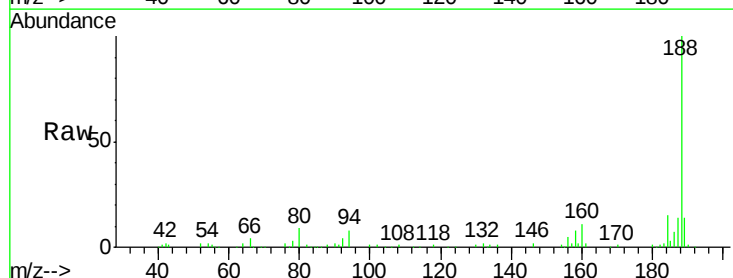
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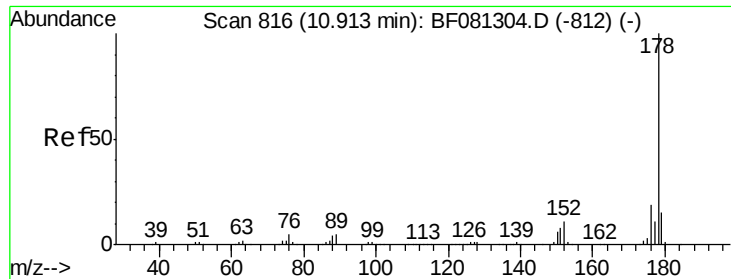
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.76 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.9	11.1	16.7#
80	9.0	11.0	16.4#





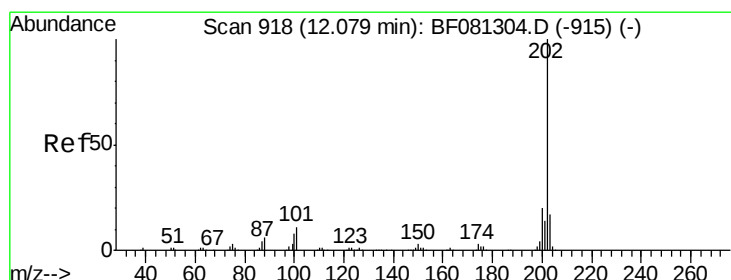
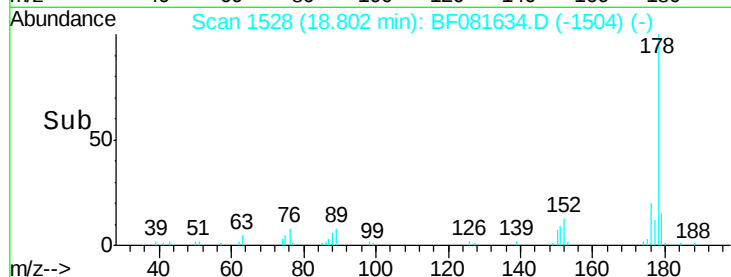
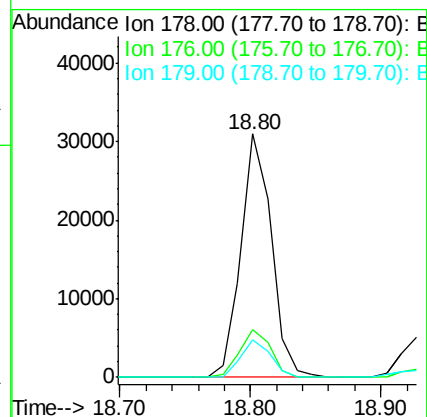
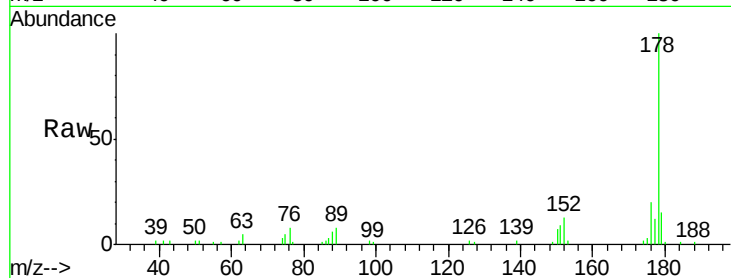
#70
Phenanthrene
Concen: 4.80 ng
RT: 18.80 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	13.8	20.8
179	15.2	12.2	18.2

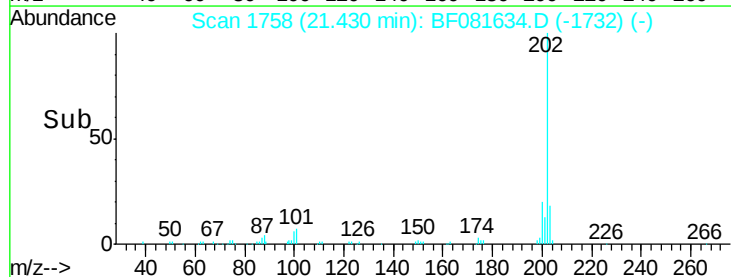
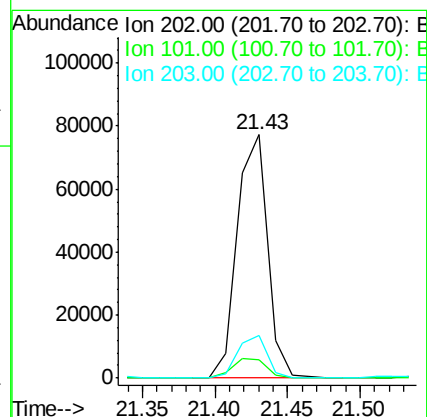
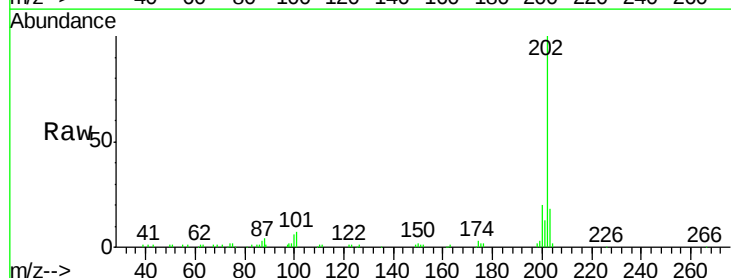
Manual Integrations
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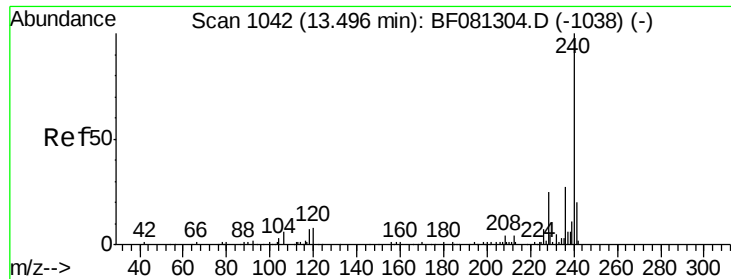
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#74
Fluoranthene
Concen: 9.91 ng
RT: 21.43 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	38.3
203	17.8	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: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

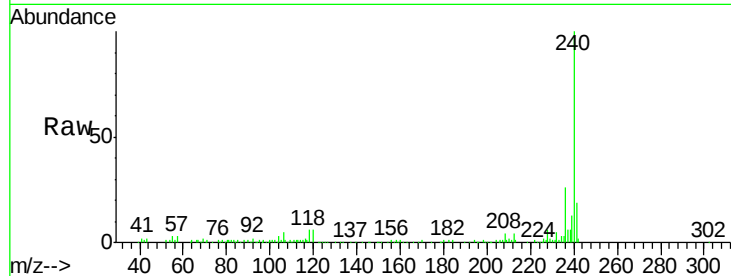
ClientSampleId :

670UNDERCLIFF-1RE

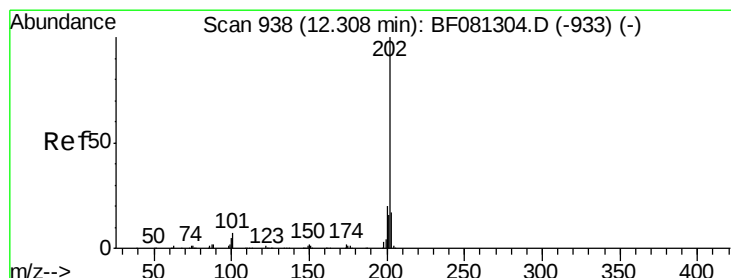
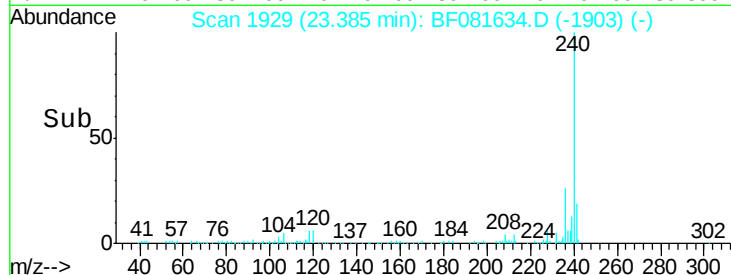
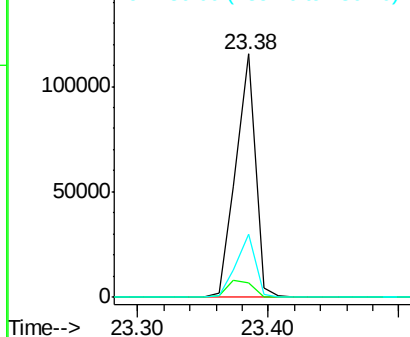
Tgt Ion:	240	Resp:	120853
Ion Ratio		Lower	Upper
240	100		
120	6.2	16.2	24.2#
236	26.1	18.4	27.6

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.93 ng

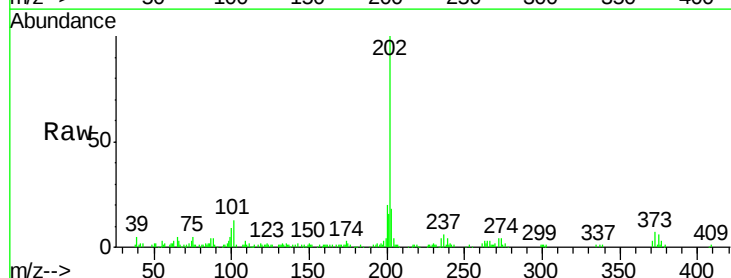
RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

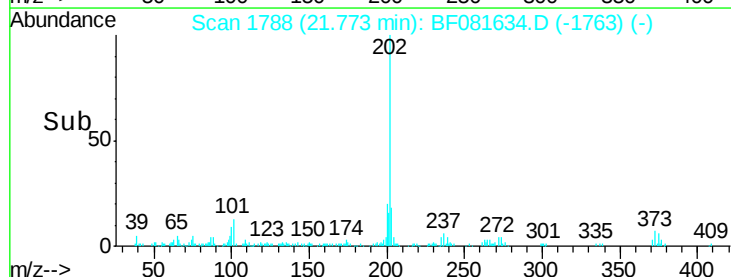
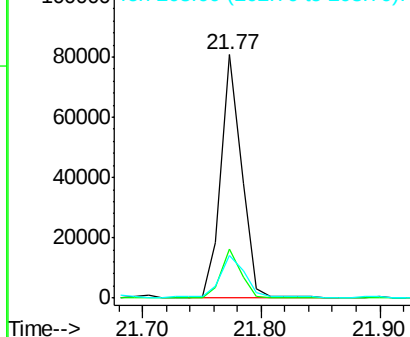
Lab File: BF081634.D

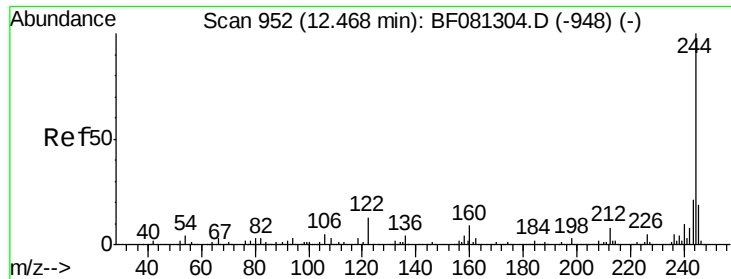
Acq: 15 Sep 2015 17:51

Tgt Ion:	202	Resp:	97850
Ion Ratio		Lower	Upper
202	100		
200	20.2	15.0	22.4
203	17.7	14.1	21.1



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





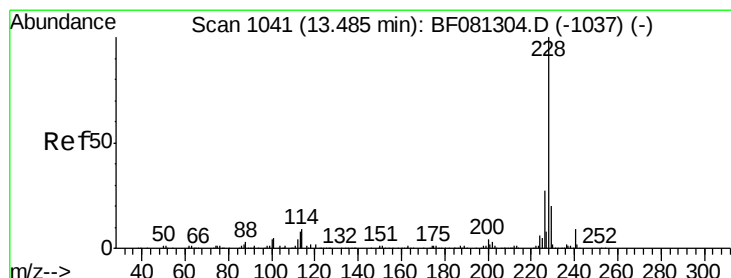
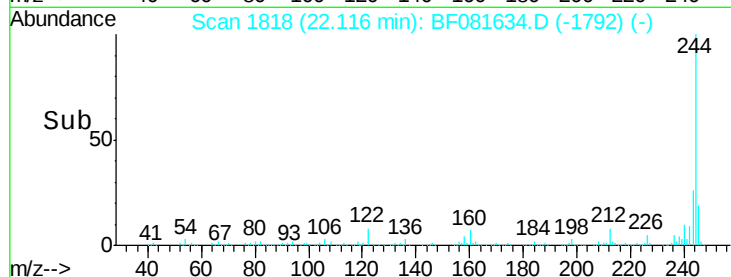
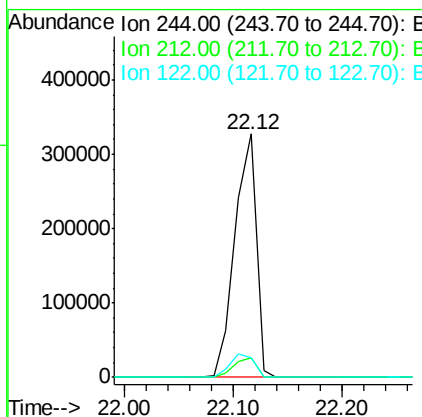
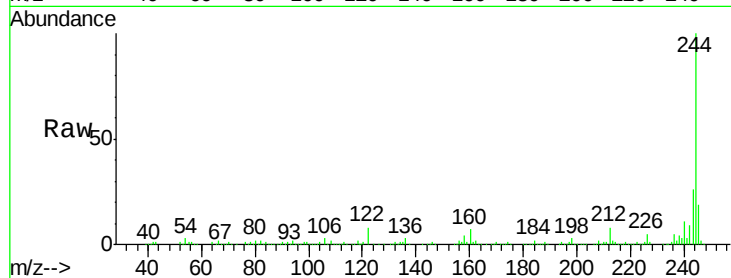
#78
 Terphenyl-d14
 Concen: 85.29 ng
 RT: 22.12 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE

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

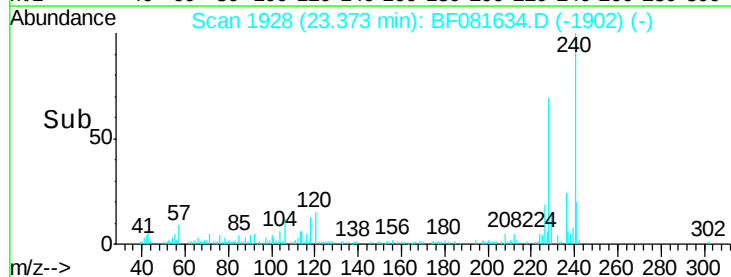
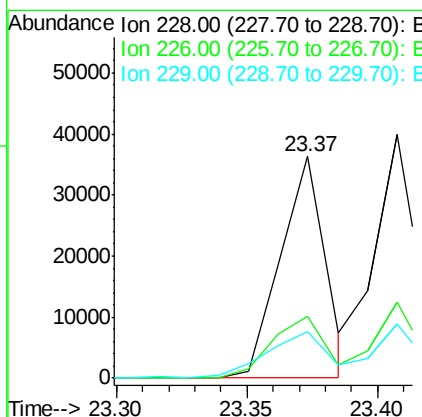
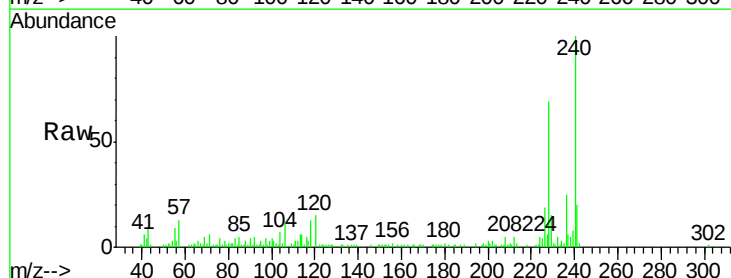
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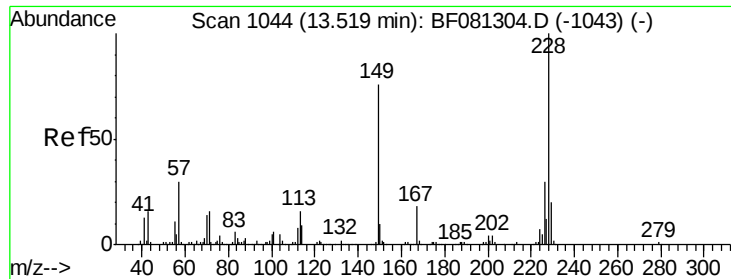
MMDadoda
 9/16/2015 1:23:53 PM



#80
 Benzo(a)anthracene
 Concen: 5.65 ng
 RT: 23.37 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.8	20.0	30.0	
229	21.1	15.4	23.2	





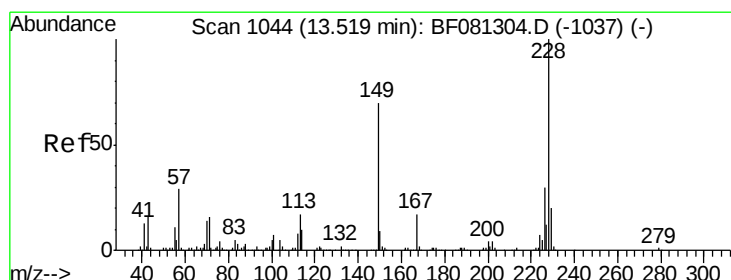
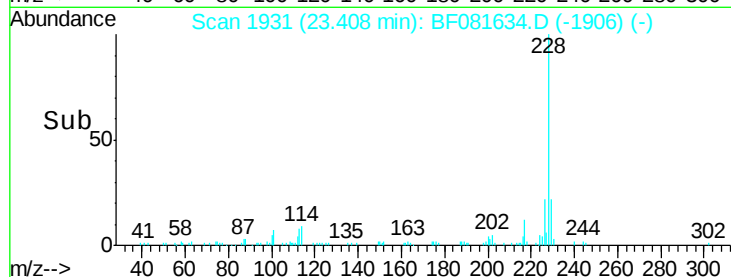
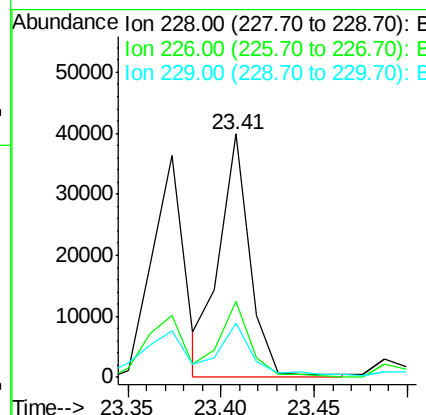
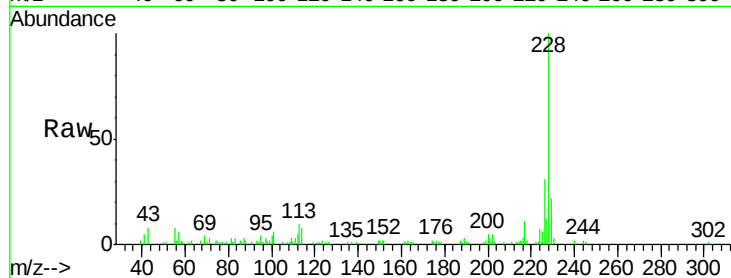
#82
Chrysene
Concen: 6.59 ng
RT: 23.41 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.0	31.4
229	22.3	15.6	23.4

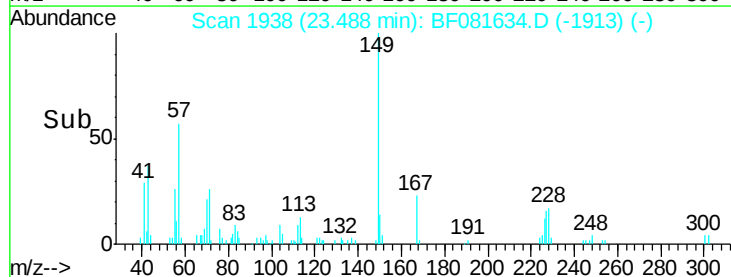
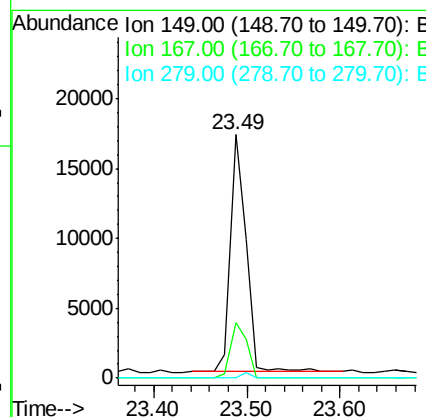
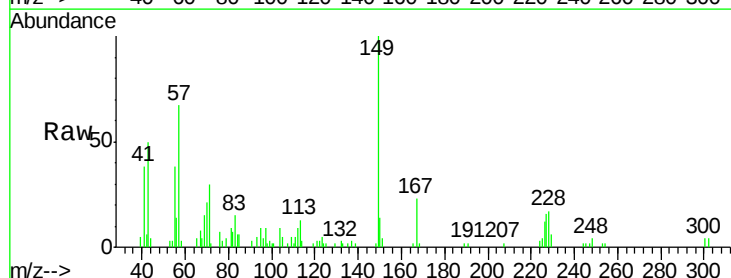
Manual Integrations
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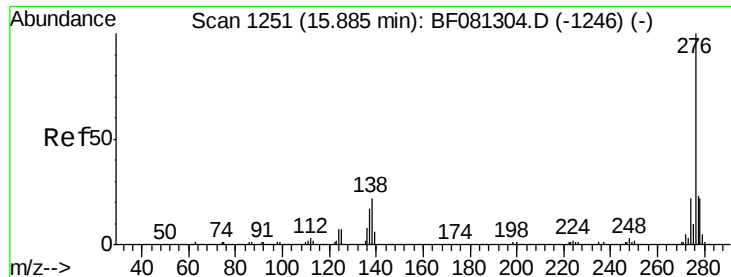
MMDadoda
9/16/2015 1:23:53 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.88 ng
RT: 23.49 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

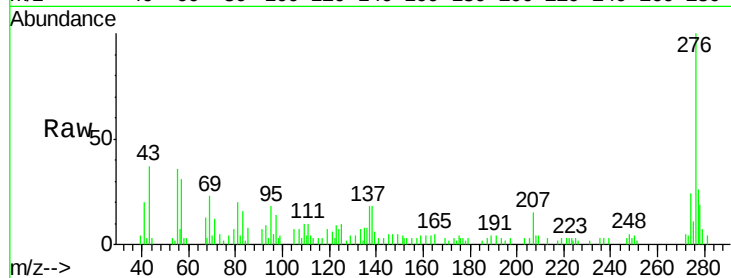
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.5	24.2	36.2#
279	0.0	3.8	5.6#





#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.23 ng
 RT: 25.87 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

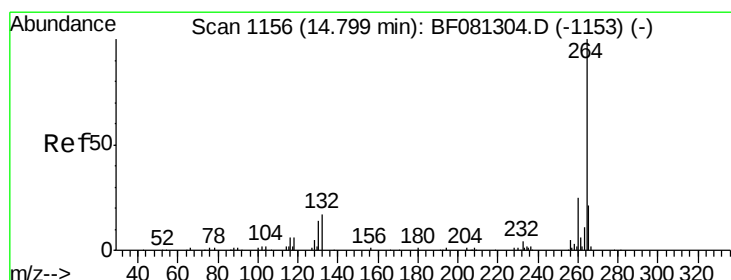
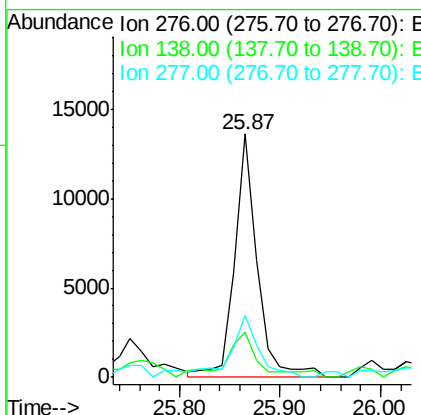
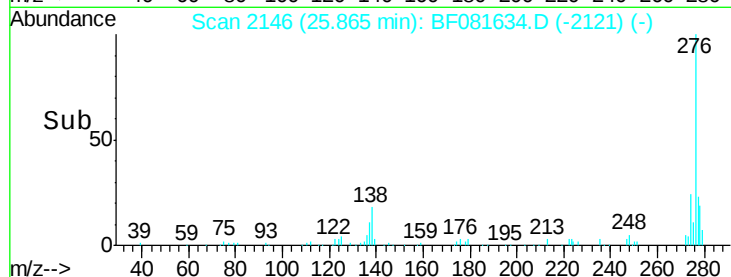
Instrument :
 BNA_F
 ClientSampleId :
 670UNDERCLIFF-1RE



Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	25.7	38.5#
277	34.3	15.6	23.4#

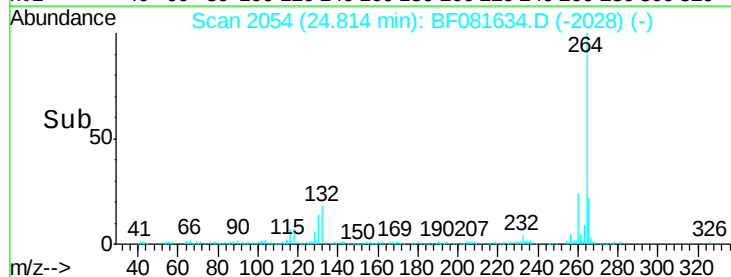
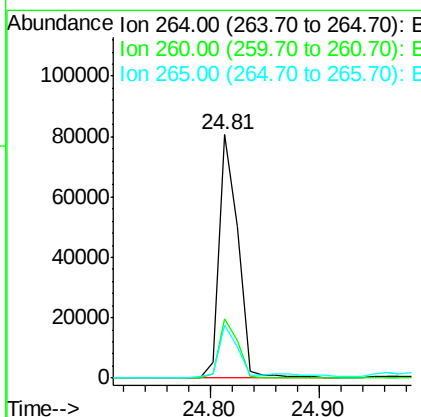
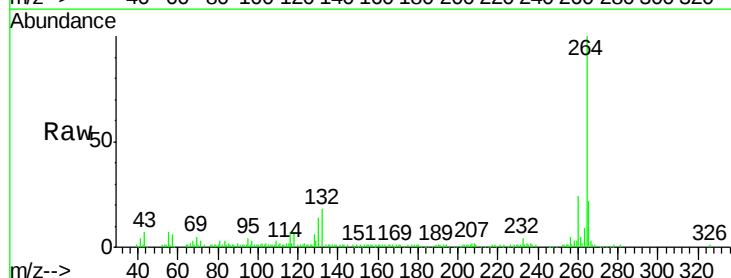
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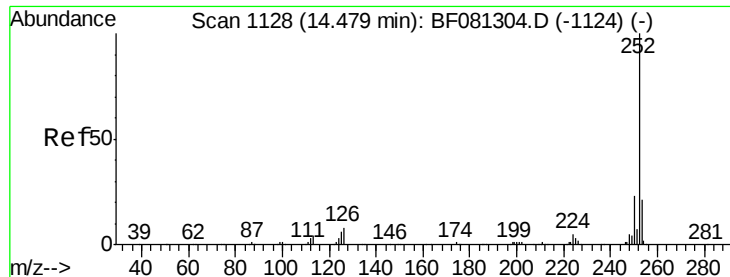
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 9/16/2015 1:23:53 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.81 min Scan# 2054
 Delta R.T. 0.00 min
 Lab File: BF081634.D
 Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.7	25.1
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.35 ng m

RT: 24.48 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Instrument :

BNA_F

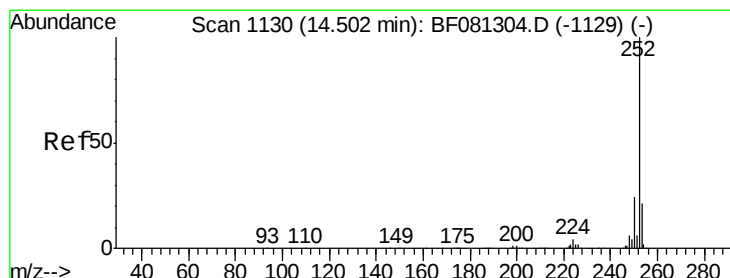
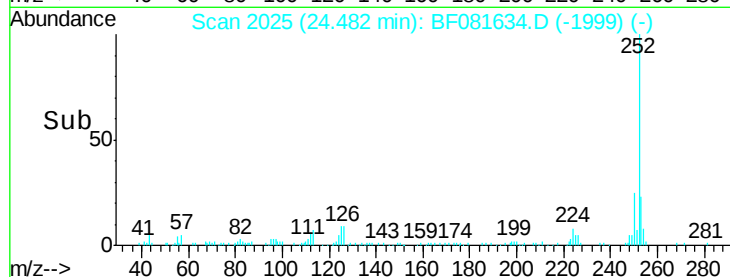
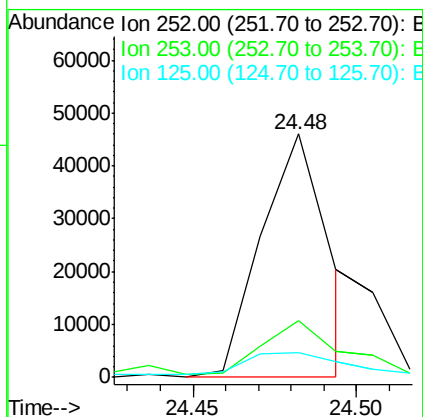
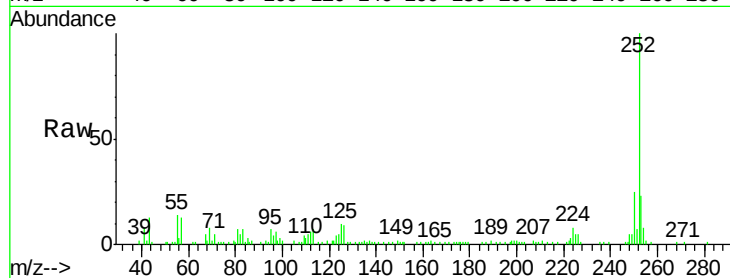
ClientSampleId :

670UNDERCLIFF-1RE

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Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.5	17.5	26.3	
125	10.0	17.1	25.7	



#88

Benzo(k)fluoranthene

Concen: 2.17 ng m

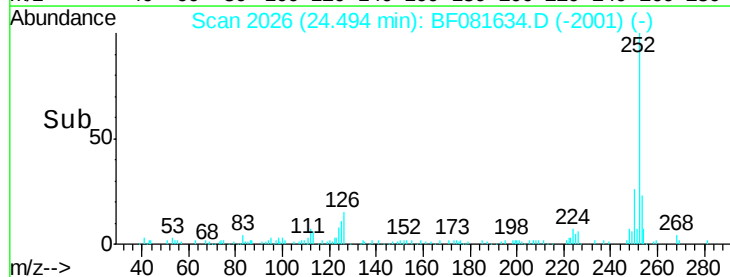
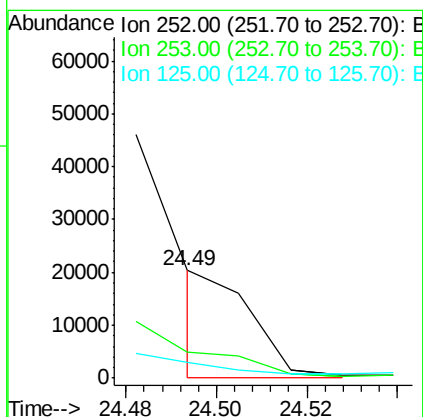
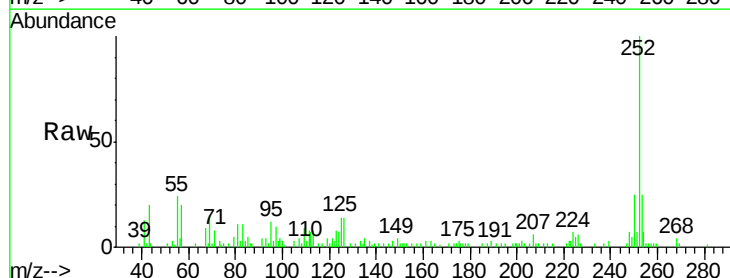
RT: 24.49 min Scan# 2026

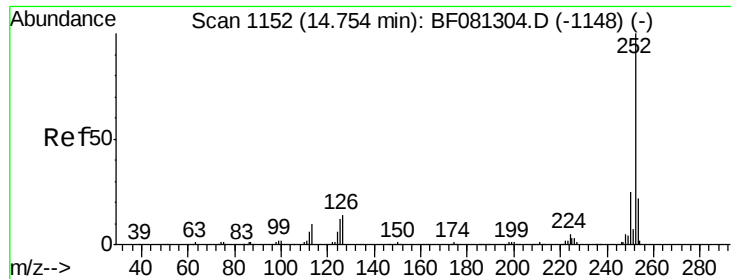
Delta R.T. -0.01 min

Lab File: BF081634.D

Acq: 15 Sep 2015 17:51

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	24.6	17.0	25.4	
125	14.4	16.0	24.0	





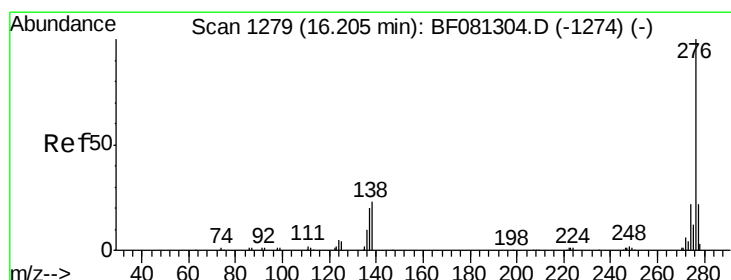
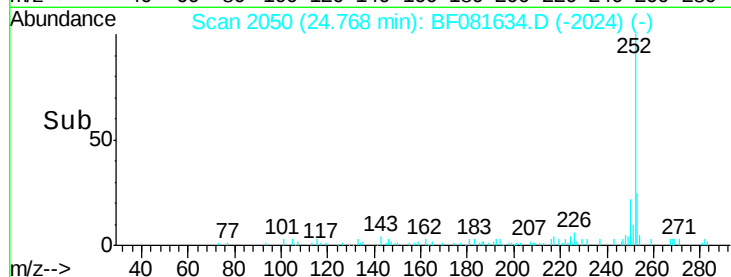
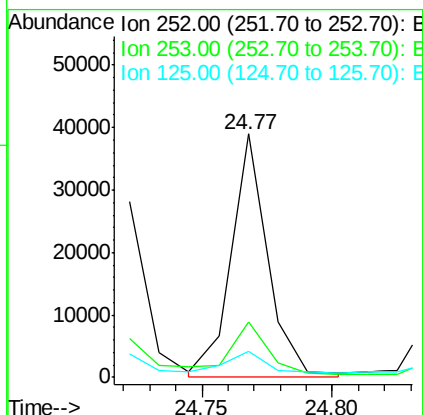
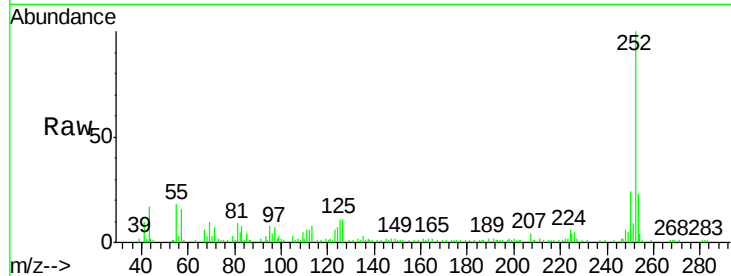
#89
Benzo(a)pyrene
Concen: 6.48 ng
RT: 24.77 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Instrument :
BNA_F
ClientSampleId :
670UNDERCLIFF-1RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.5	18.0	27.0

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#91
Benzo(g,h,i)perylene
Concen: 4.11 ng
RT: 26.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BF081634.D
Acq: 15 Sep 2015 17:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.8	26.6
138	16.8	34.6	51.8

