

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081641.D
 Acq On : 15 Sep 2015 22:15
 Operator : UM/IZ
 Sample : G3670-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Manual Integrations
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Quant Time: Sep 16 01:55:27 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	45045	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	178048	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	78343	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	132259	20.00	ng	0.00
75) Chrysene-d12	23.38	240	108461	20.00	ng	0.00
86) Perylene-d12	24.82	264	65533	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	379054	130.56	ng	0.02
7) Phenol-d6	7.65	99	547458	142.46	ng	0.00
23) Nitrobenzene-d5	9.51	82	353897	95.90	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	88713	127.17	ng	-0.01
44) 2-Fluorobiphenyl	13.76	172	575595	94.15	ng	-0.01
78) Terphenyl-d14	22.12	244	394619	84.69	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.81	163	71469	11.74	ng	# 97
70) Phenanthrene	18.81	178	102694	13.97	ng	97
71) Anthracene	18.93	178	30145	3.99	ng	97
74) Fluoranthene	21.43	202	125056	15.71	ng	87
77) Pyrene	21.77	202	127766	15.90	ng	99
80) Benzo(a)anthracene	23.37	228	56490	8.18	ng	# 92
82) Chrysene	23.41	228	36242	5.85	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.89	276	16085	3.54	ng	# 81
87) Benzo(b)fluoranthene	24.48	252	41907m	8.96	ng	
88) Benzo(k)fluoranthene	24.49	252	18495m	4.76	ng	
89) Benzo(a)pyrene	24.78	252	31437	7.93	ng	# 89
91) Benzo(g,h,i)perylene	26.20	276	16436	5.62	ng	# 73

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

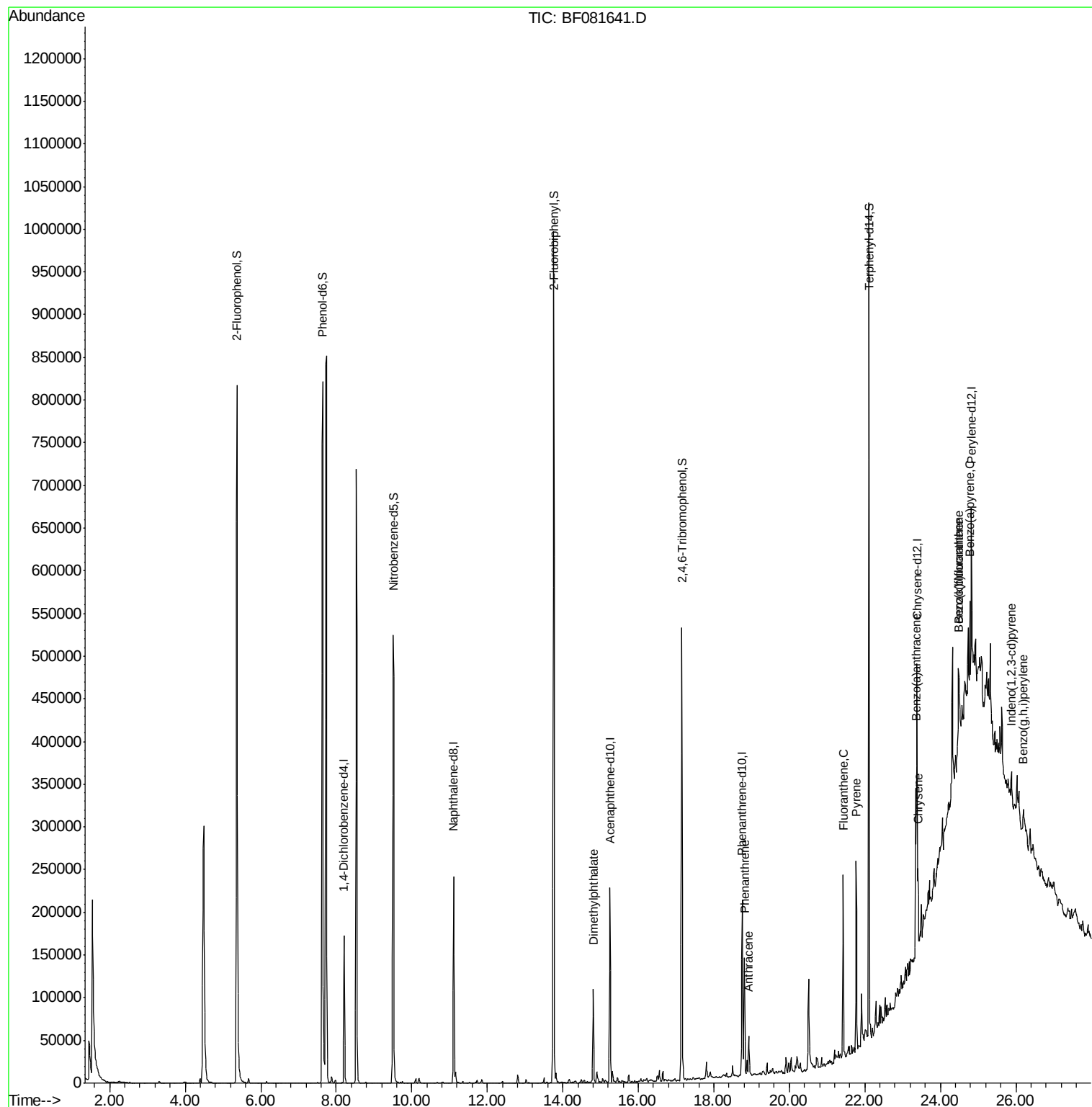
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081641.D
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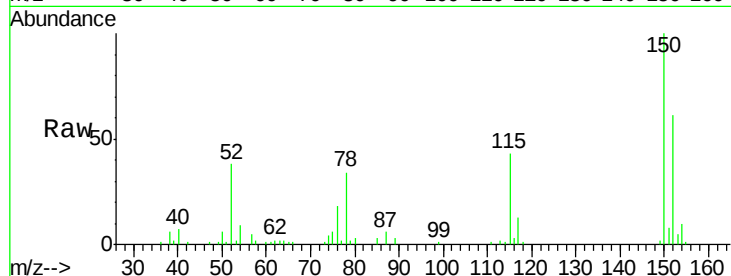




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

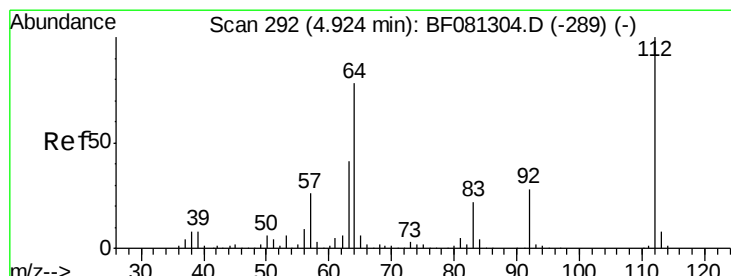
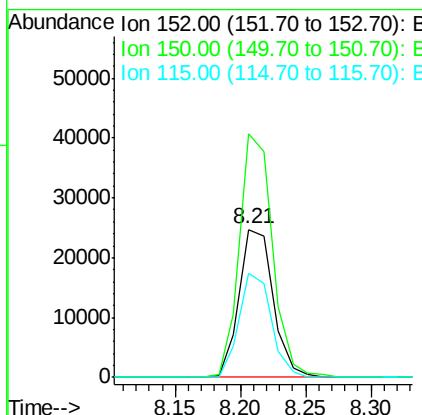
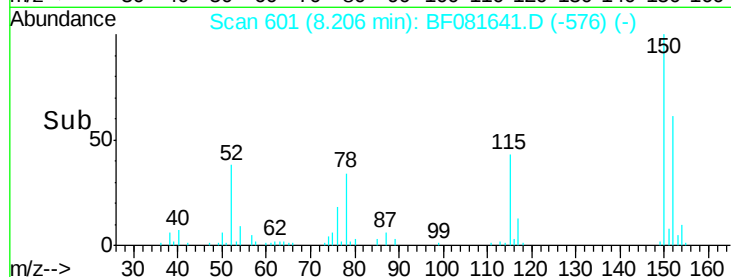
Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	164.6	124.7	187.1
115	69.9	39.0	58.4#

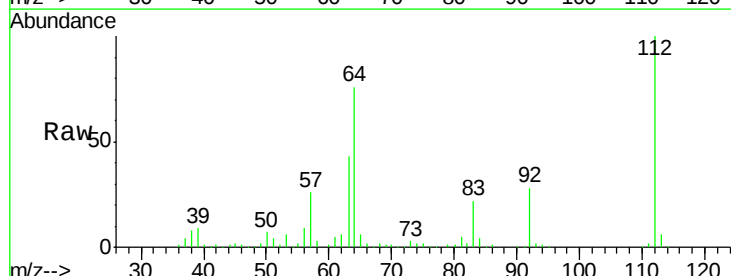
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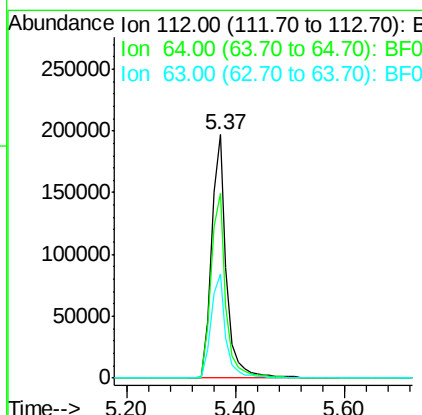
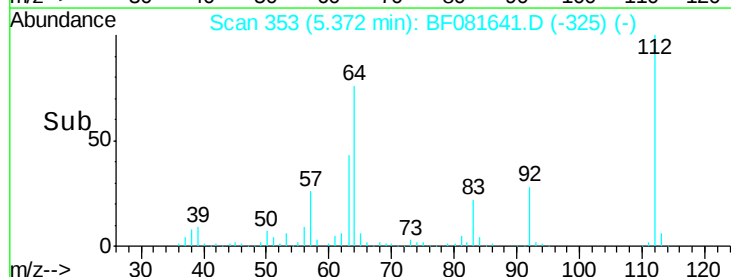


#5

2-Fluorophenol
Concen: 130.56 ng
RT: 5.37 min Scan# 353
Delta R.T. 0.02 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15



Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.7	39.7	59.5#
63	42.6	17.4	26.0#





#7

Phenol-d6

Concen: 142.46 ng

RT: 7.65 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

Tgt Ion: 99 Resp: 547458
Ion Ratio Lower Upper

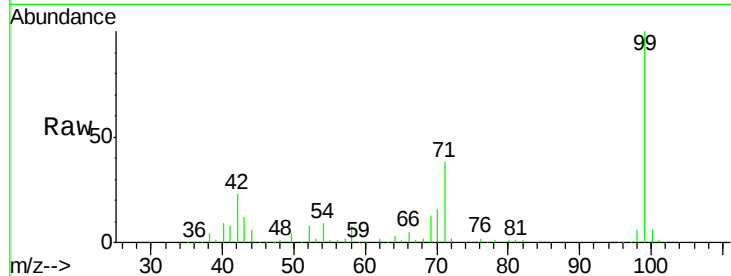
99 100

42 23.2 13.7 20.5#

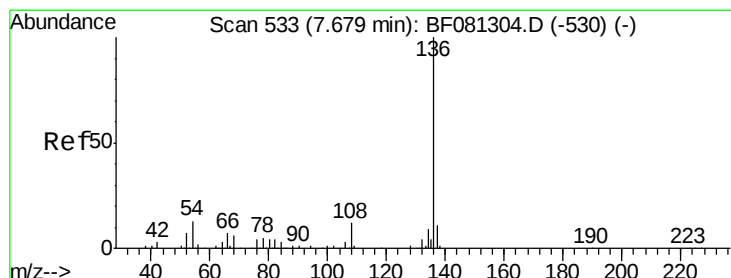
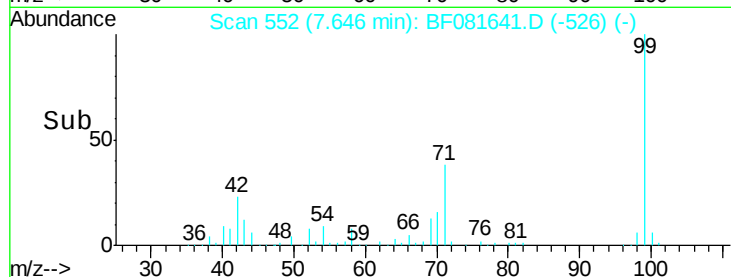
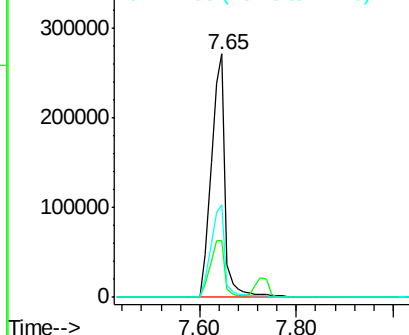
71 37.9 14.2 21.2#

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.11 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Tgt Ion: 136 Resp: 178048
Ion Ratio Lower Upper

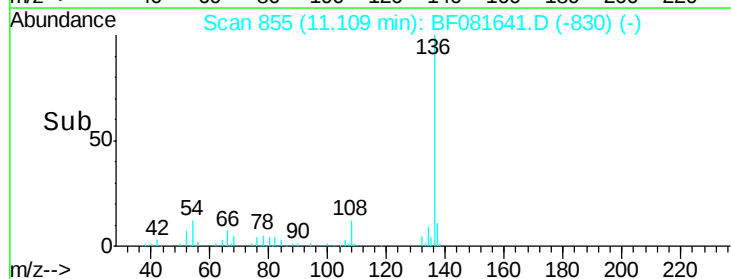
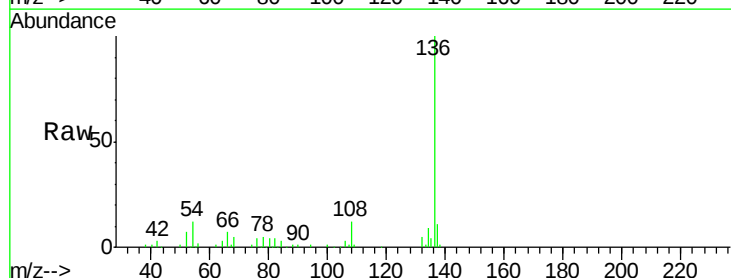
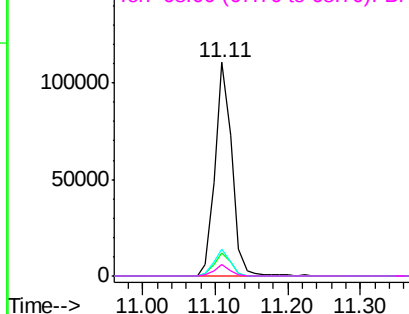
136 100

137 10.9 9.0 13.6

54 12.4 8.2 12.2#

68 5.3 5.8 8.6#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





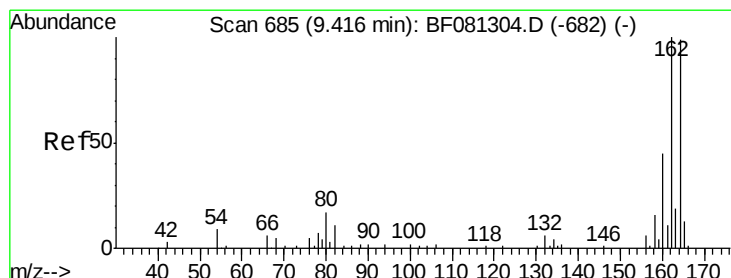
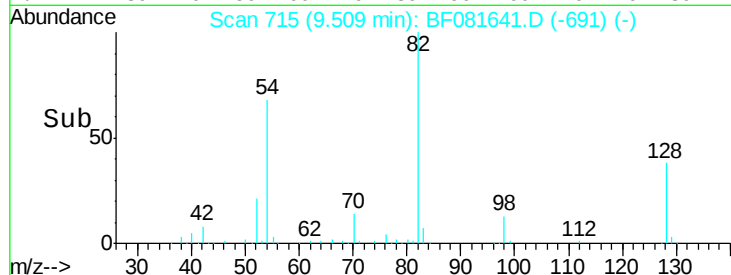
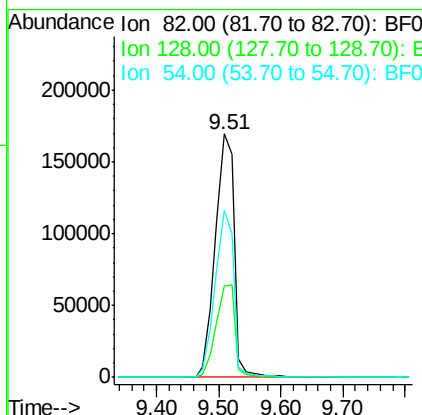
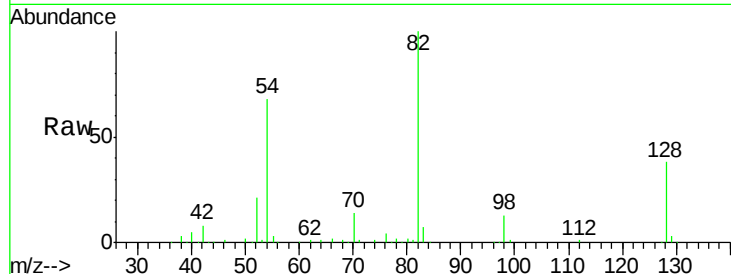
#23
 Nitrobenzene-d5
 Concen: 95.90 ng
 RT: 9.51 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	353897		
128	37.5	51.0	76.6#	
54	68.3	47.5	71.3	

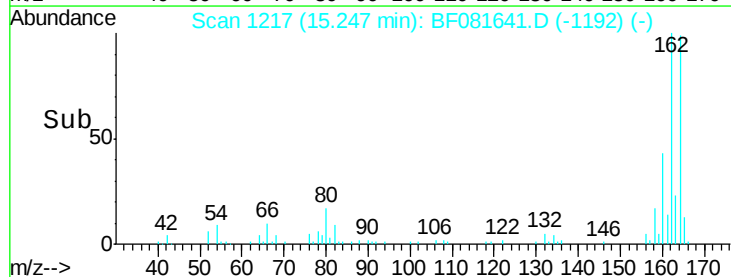
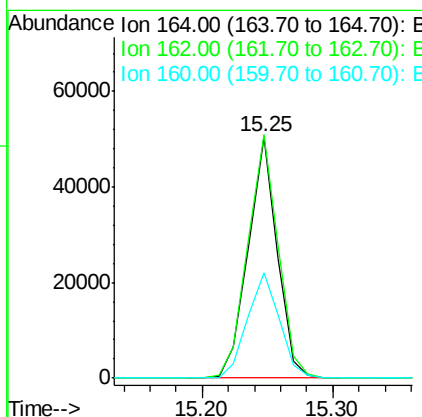
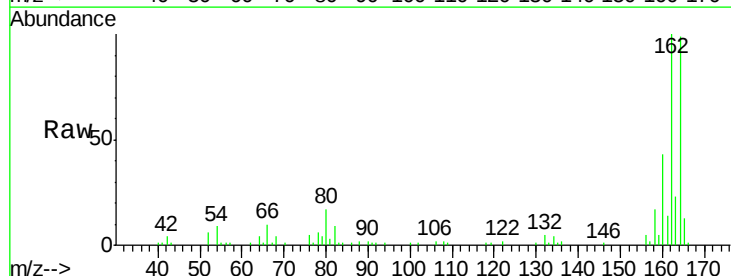
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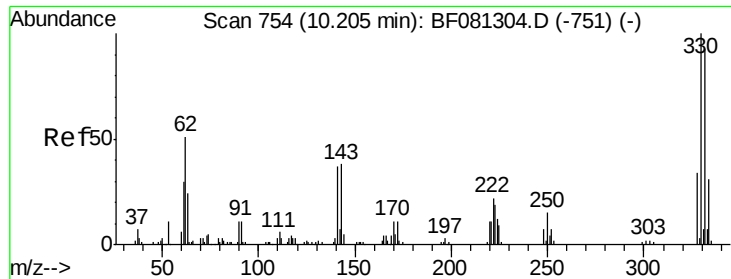
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78343		
162	100.9	75.2	112.8	
160	43.7	31.5	47.3	





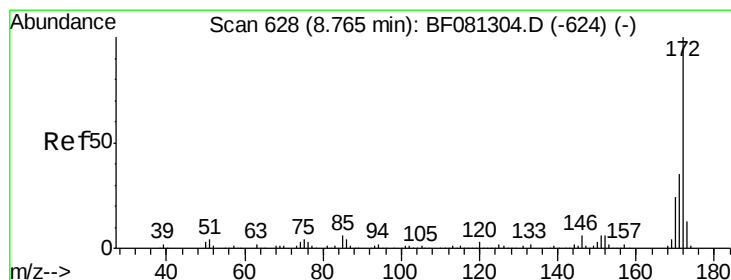
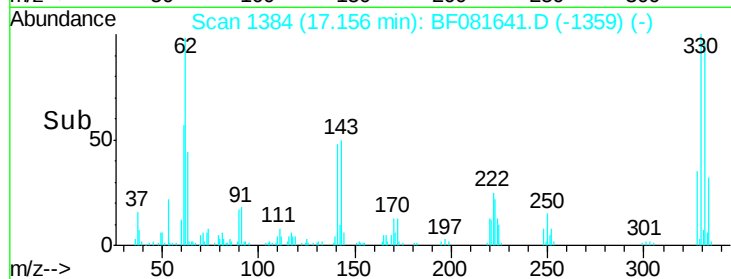
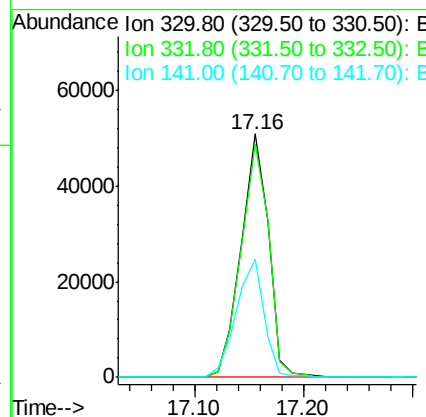
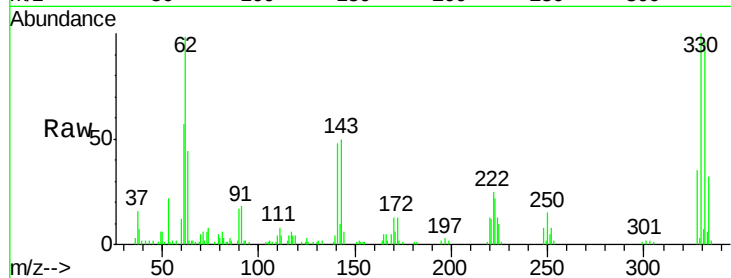
#41
 2,4,6-Tribromophenol
 Concen: 127.17 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	88713		
332	97.1	76.6	114.8	
141	49.4	29.7	44.5#	

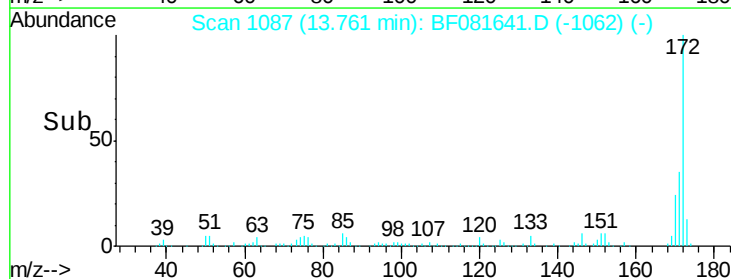
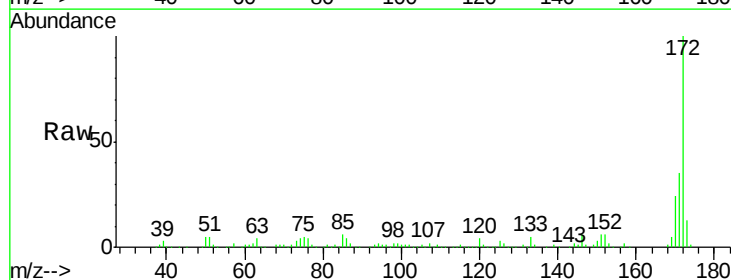
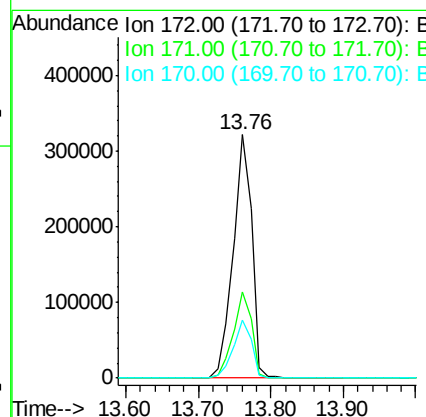
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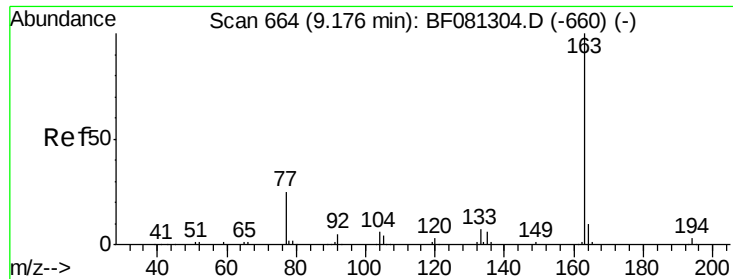
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#44
 2-Fluorobiphenyl
 Concen: 94.15 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	575595		
171	35.3	26.1	39.1	
170	23.9	17.4	26.2	





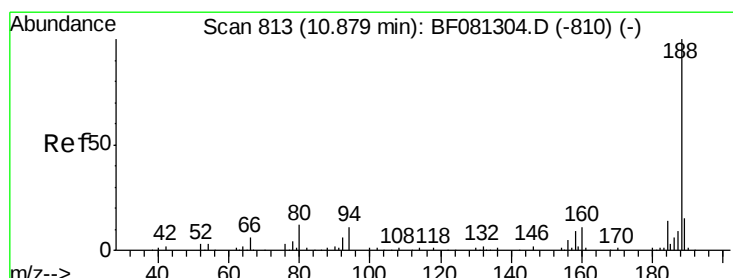
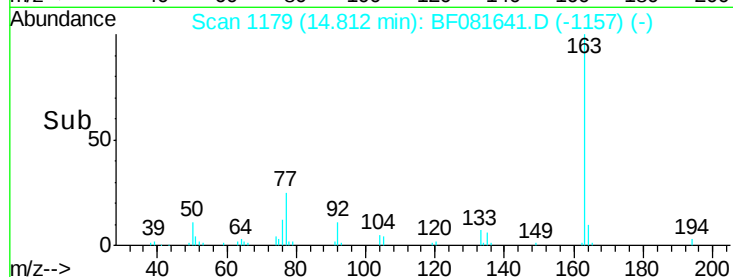
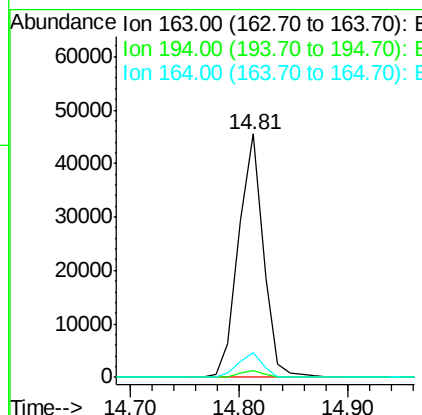
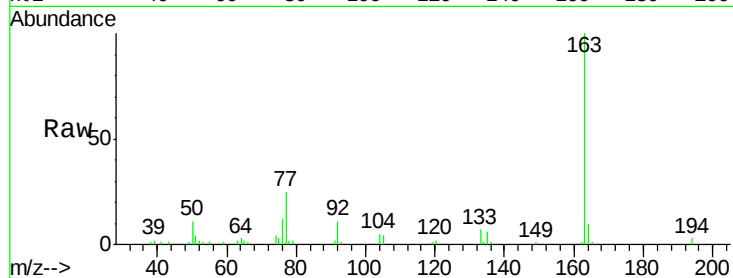
#49
Dimethylphthalate
Concen: 11.74 ng
RT: 14.81 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	4.4	6.6#
164	10.0	8.3	12.5

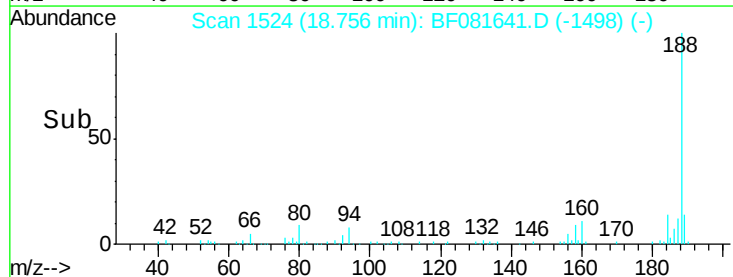
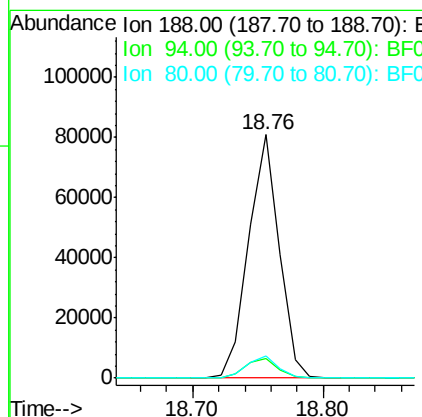
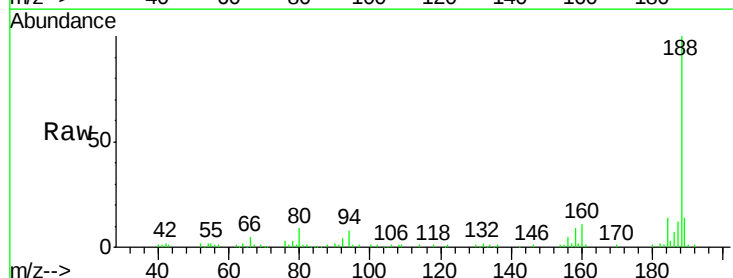
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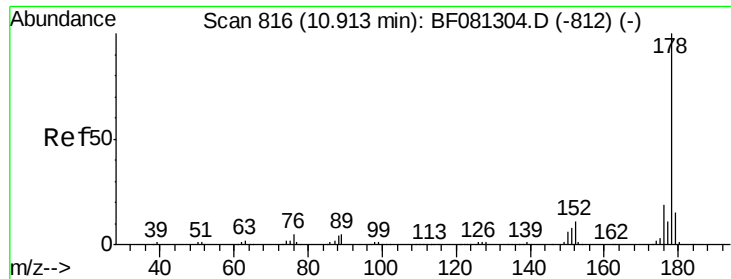
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.76 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	11.1	16.7#
80	9.3	11.0	16.4#





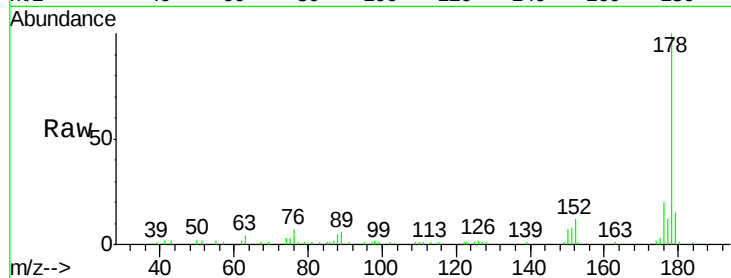
#70
Phenanthrene
Concen: 13.97 ng
RT: 18.81 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

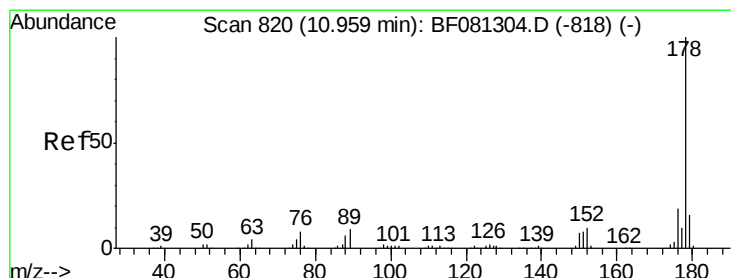
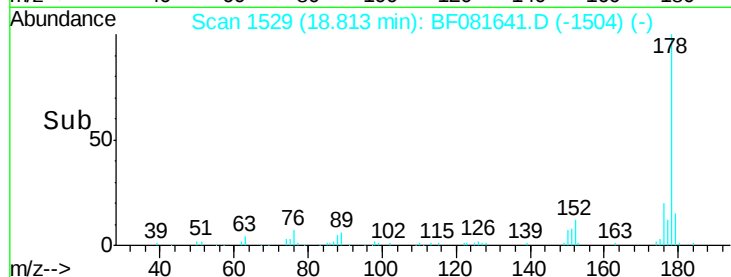
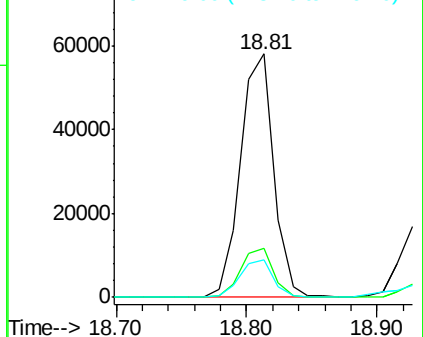
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	102694		
176	19.9	13.8	20.8	
179	15.3	12.2	18.2	

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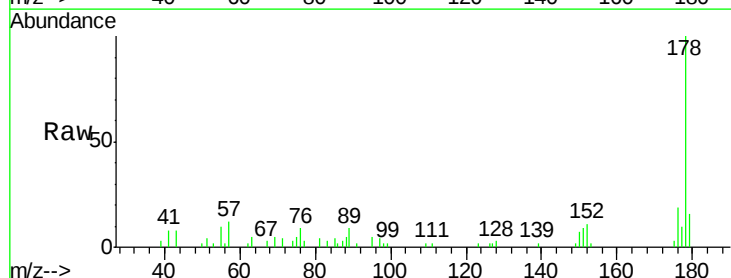


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

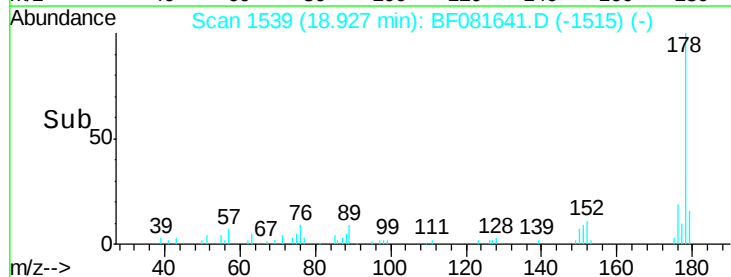
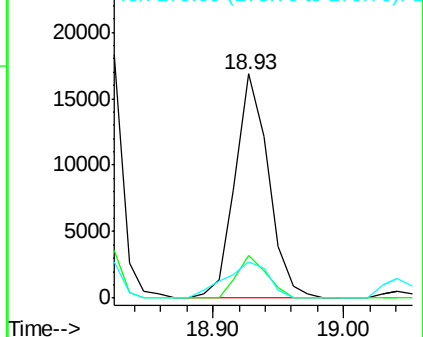


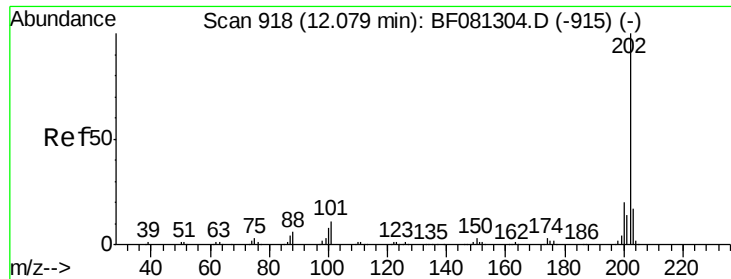
#71
Anthracene
Concen: 3.99 ng
RT: 18.93 min Scan# 1539
Delta R.T. -0.02 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	30145		
176	18.9	14.1	21.1	
179	16.4	12.2	18.2	



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.71 ng

RT: 21.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

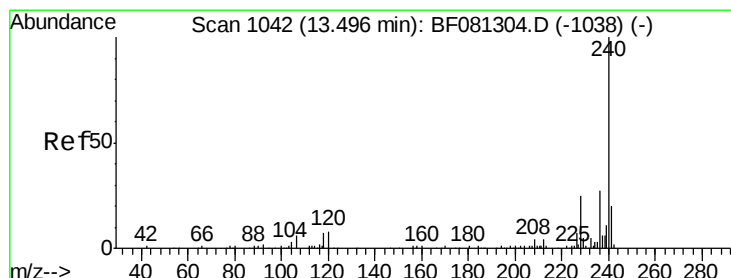
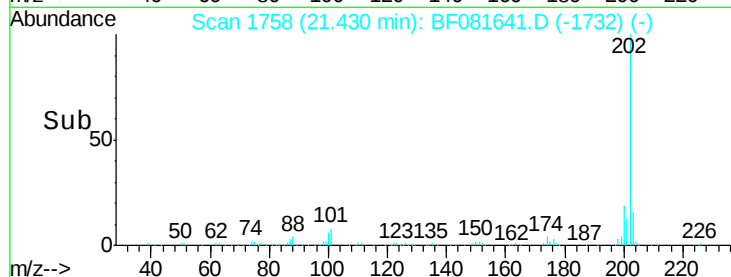
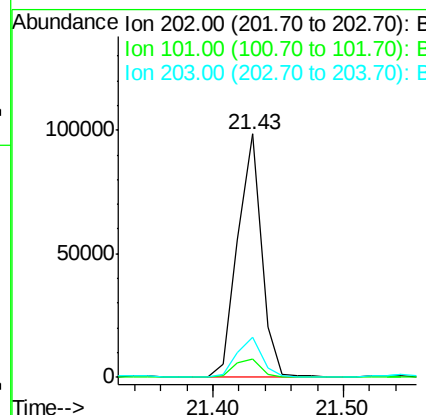
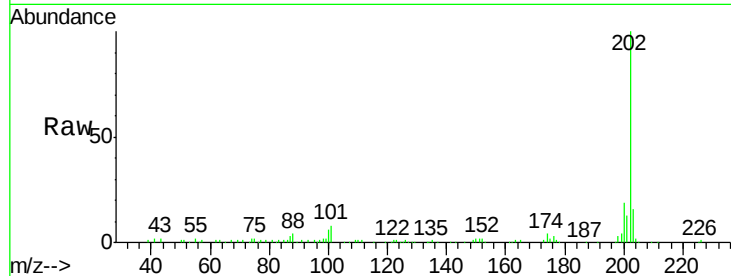
ClientSampleId :

WC-9-14-15-SOIL

Tgt	Ion	202	Resp	125056
Ion	Ratio		Lower	Upper
202	100			
101	7.7	0.0	38.3	
203	16.4	0.0	37.3	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

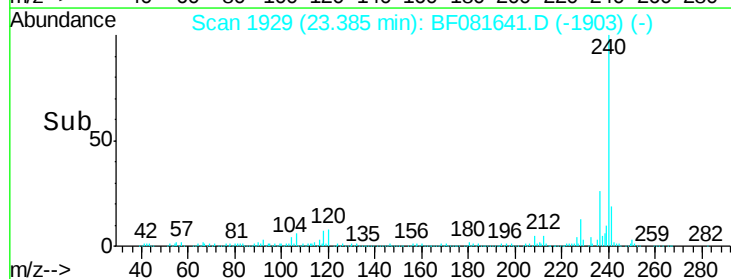
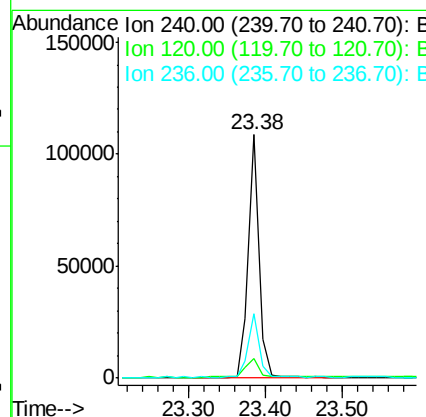
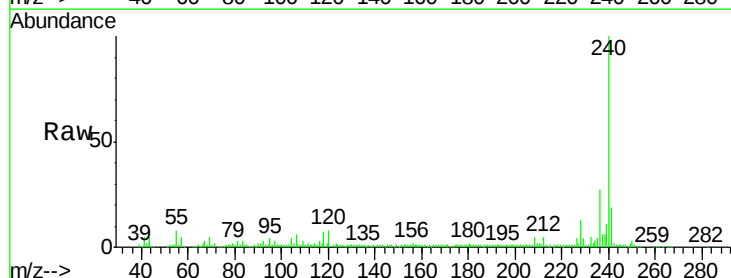
RT: 23.38 min Scan# 1929

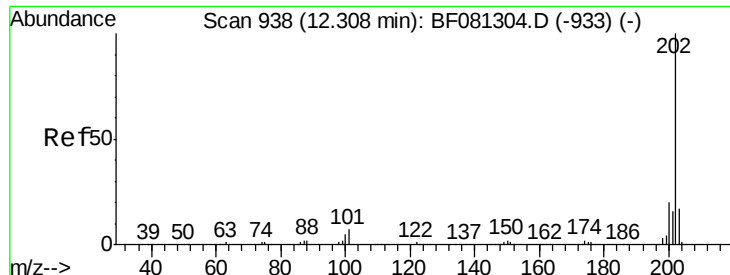
Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Tgt	Ion	240	Resp	108461
Ion	Ratio		Lower	Upper
240	100			
120	8.2	16.2	24.2#	
236	26.6	18.4	27.6	





#77

Pyrene

Concen: 15.90 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081641.D

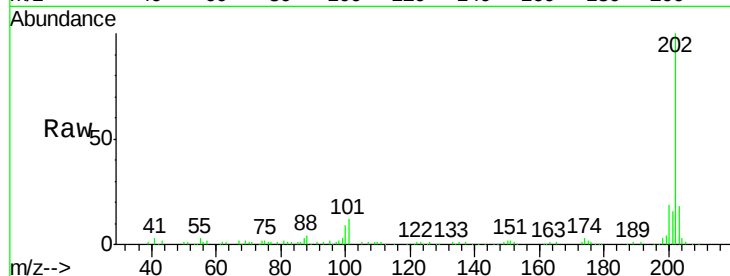
Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

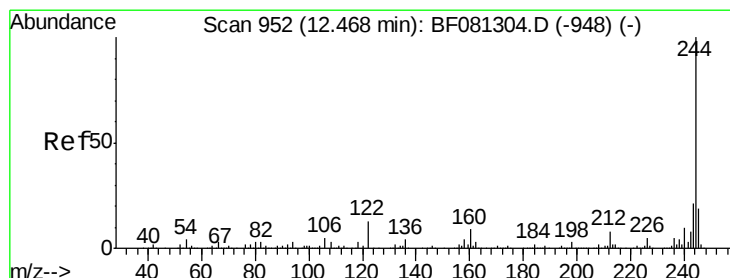
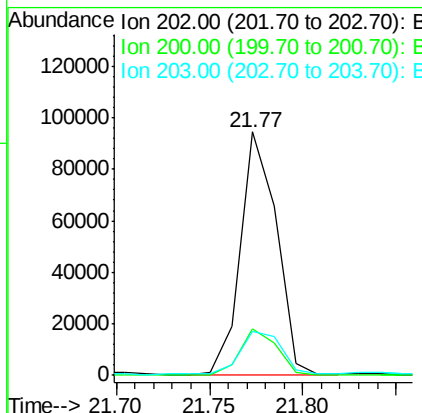
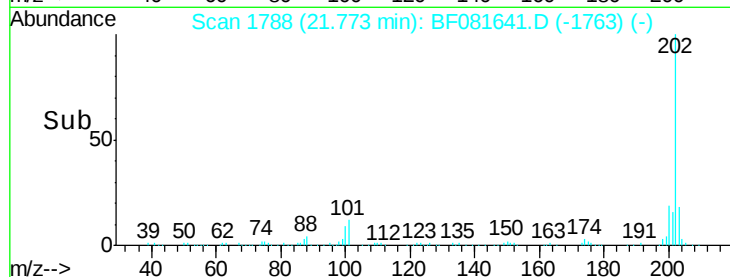
WC-9-14-15-SOIL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.2	15.0	22.4	
203	18.2	14.1	21.1	

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#78

Terphenyl-d14

Concen: 84.69 ng

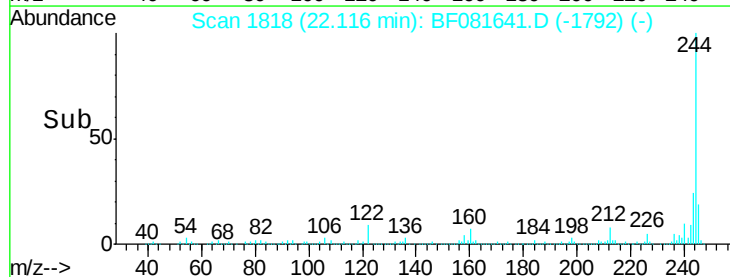
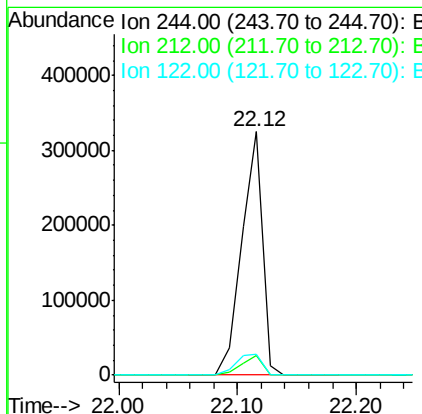
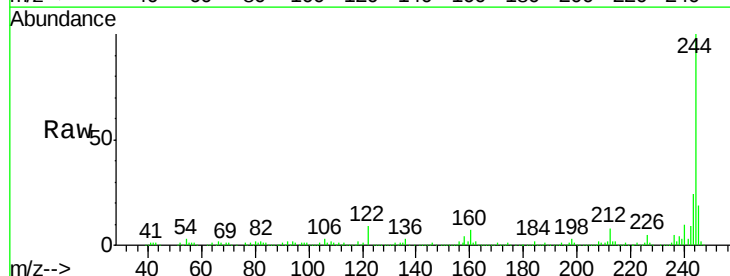
RT: 22.12 min Scan# 1818

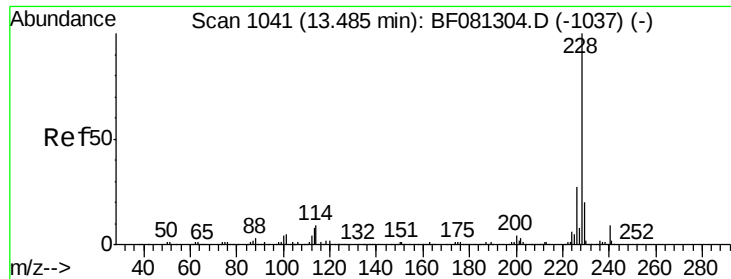
Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.8	4.3	6.5#	
122	8.5	17.4	26.2#	





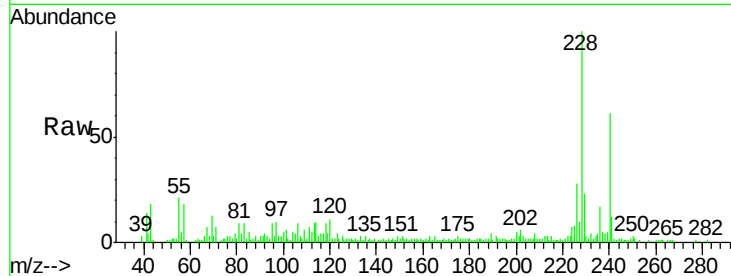
#80
Benzo(a)anthracene
Concen: 8.18 ng
RT: 23.37 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	56490		
226	28.5	20.0	30.0	
229	23.5	15.4	23.2#	

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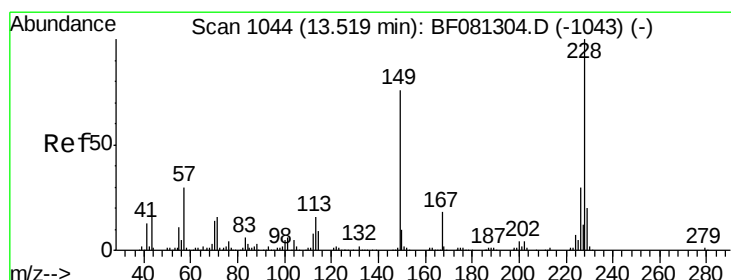
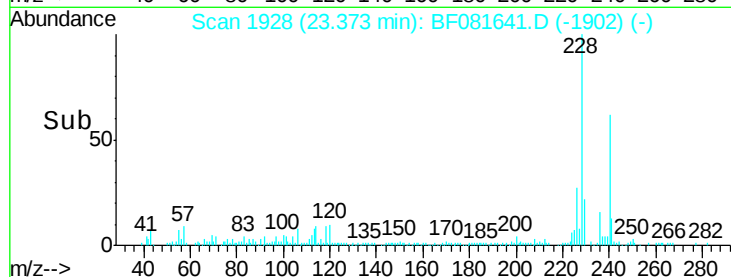
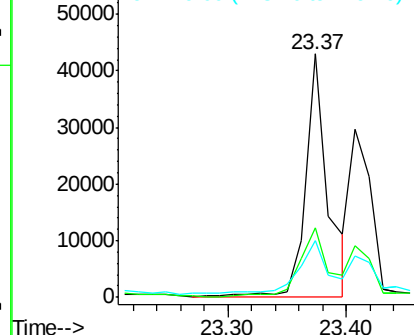


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 5.85 ng
RT: 23.41 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

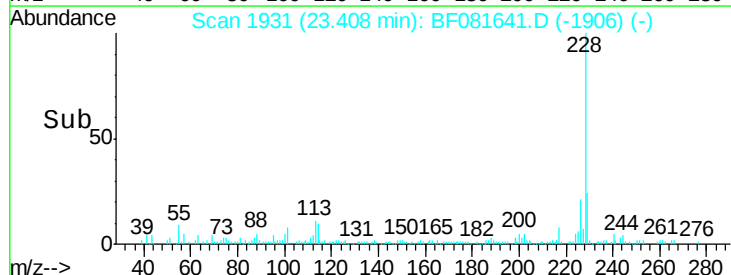
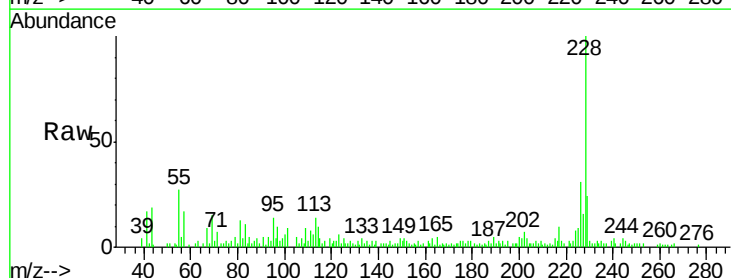
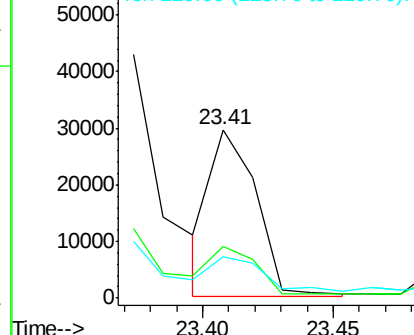
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	36242		
226	31.0	21.0	31.4	
229	24.2	15.6	23.4#	

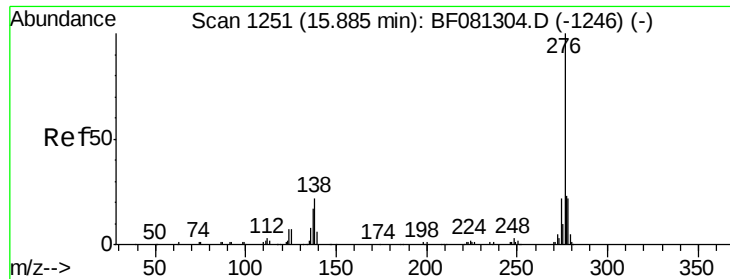
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





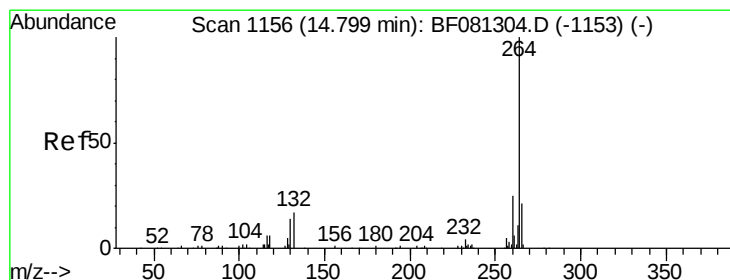
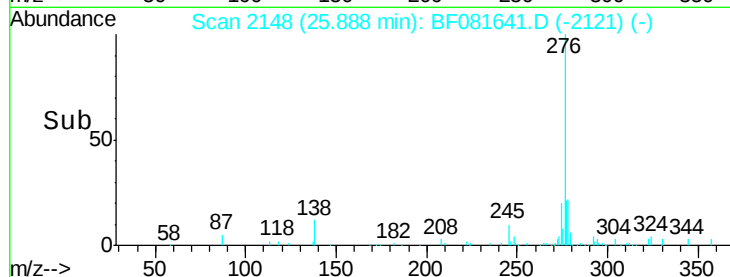
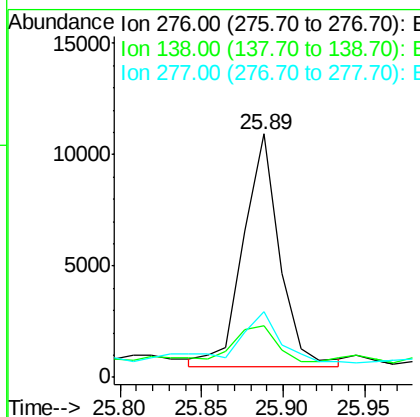
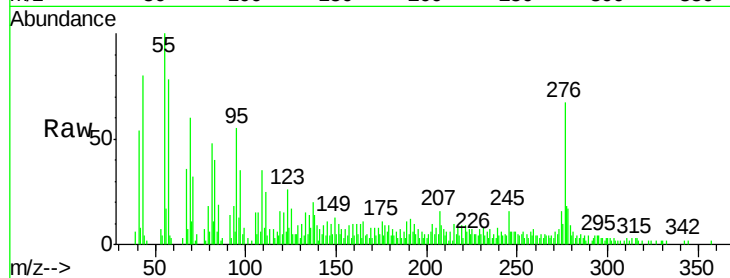
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.54 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	16085		
138	22.2	25.7	38.5#	
277	29.6	15.6	23.4#	

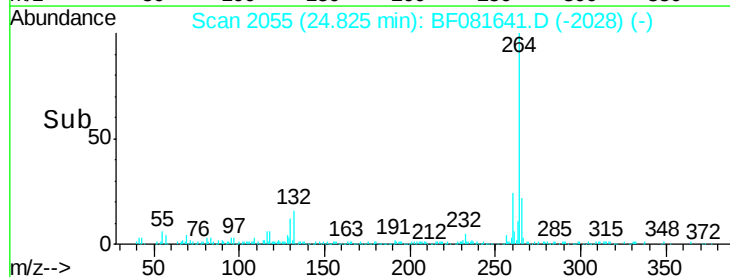
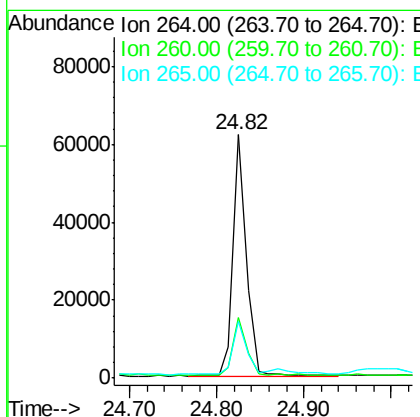
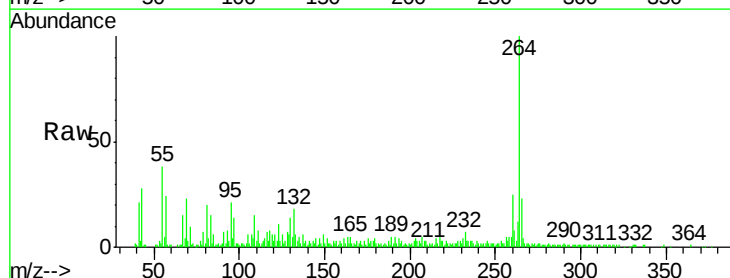
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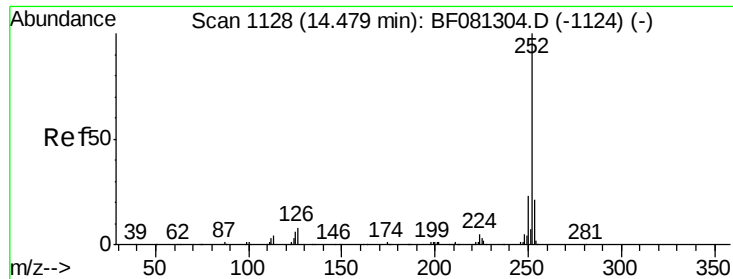
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.82 min Scan# 2055
 Delta R.T. 0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	65533		
260	24.9	16.7	25.1	
265	23.4	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 8.96 ng m

RT: 24.48 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF081641.D

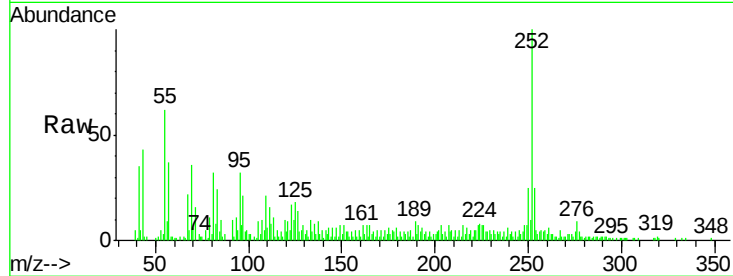
Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

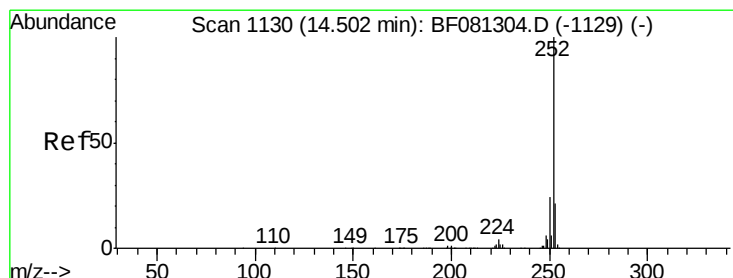
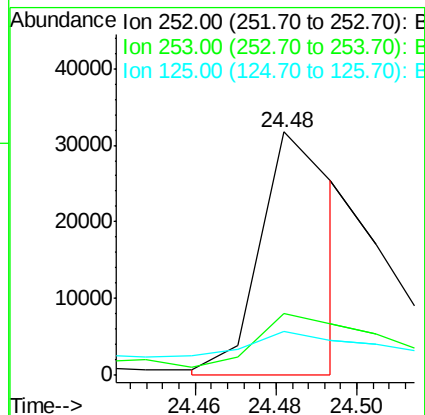
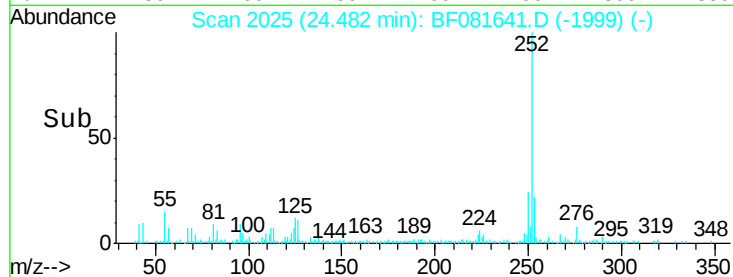
WC-9-14-15-SOIL



Tgt Ion:	252	Resp:	41907
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.5	26.3
125	18.1	17.1	25.7

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#88

Benzo(k)fluoranthene

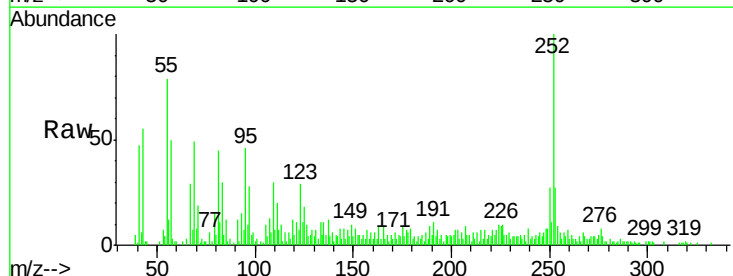
Concen: 4.76 ng m

RT: 24.49 min Scan# 2026

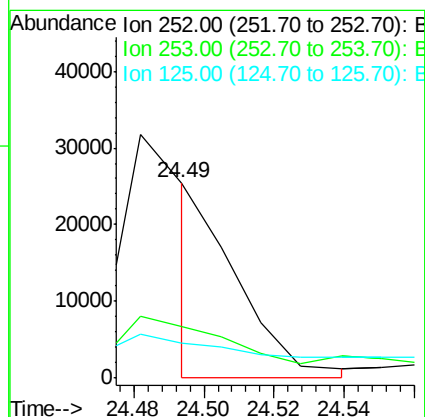
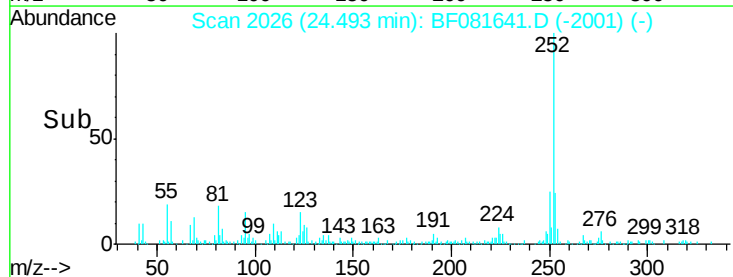
Delta R.T. -0.01 min

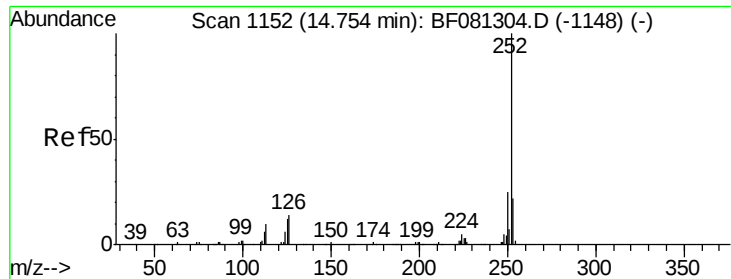
Lab File: BF081641.D

Acq: 15 Sep 2015 22:15



Tgt Ion:	252	Resp:	18495
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.0	25.4#
125	18.0	16.0	24.0





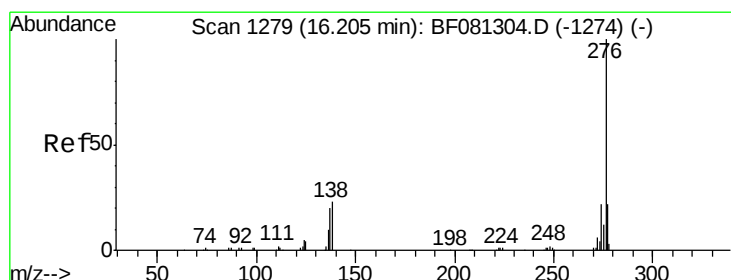
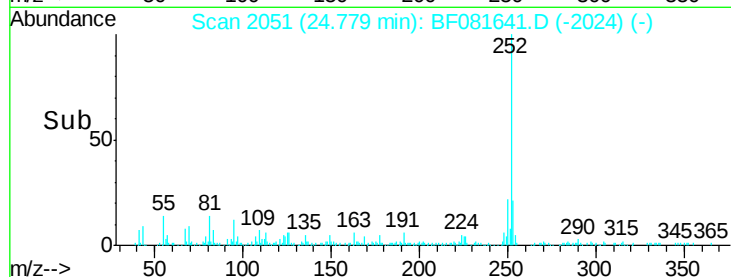
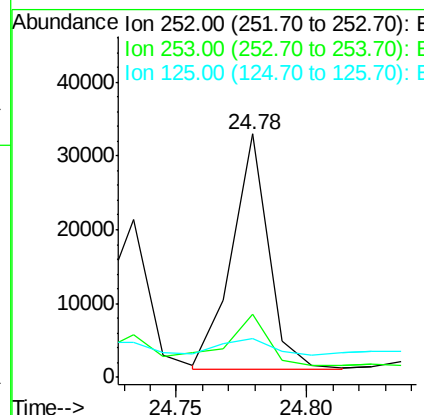
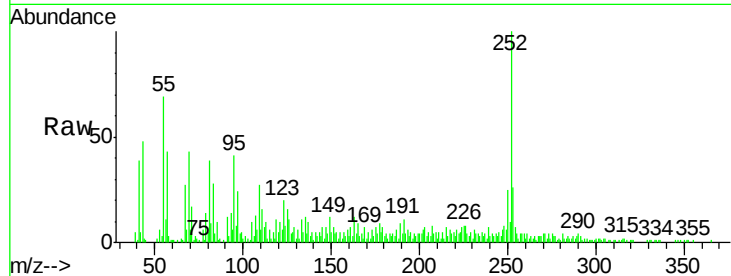
#89
Benzo(a)pyrene
Concen: 7.93 ng
RT: 24.78 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.2	25.8#
125	16.0	18.0	27.0#

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#91
Benzo(g,h,i)perylene
Concen: 5.62 ng
RT: 26.20 min Scan# 2175
Delta R.T. 0.02 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.8	26.6#
138	20.1	34.6	51.8#

