

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097696.D
 Acq On : 15 Aug 2017 17:38
 Operator : SJ/JU
 Sample : I4768-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-SOIL-66

Manual Integrations
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Sohil
 8/16/2017 6:45:21 PM

Quant Time: Aug 16 04:34:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132802	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	545139	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	247961	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	483550	20.00	ng	0.00
75) Chrysene-d12	13.93	240	344798	20.00	ng	0.00
86) Perylene-d12	15.36	264	258547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	728437	83.43	ng	0.00
7) Phenol-d6	6.40	99	1009657	85.11	ng	0.00
23) Nitrobenzene-d5	7.35	82	596818	59.47	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	188690	87.70	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	873339	51.75	ng	0.00
78) Terphenyl-d14	12.89	244	766250	46.34	ng	0.00
Target Compounds						
10) Phenol	6.42	94	35449	2.555	ng	98
49) Dimethylphthalate	9.53	163	108860	6.006	ng	99
70) Phenanthrene	11.33	178	247698	9.613	ng	100
71) Anthracene	11.37	178	177097	6.776	ng	99
74) Fluoranthene	12.51	202	433942	16.135	ng	95
77) Pyrene	12.74	202	336783	11.942	ng	96
80) Benzo(a)anthracene	13.92	228	74515	3.606	ng	97
82) Chrysene	13.96	228	64850	3.155	ng	97
87) Benzo(b)fluoranthene	14.95	252	46298m	2.841	ng	
89) Benzo(a)pyrene	15.30	252	30606	2.121	ng	# 75

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

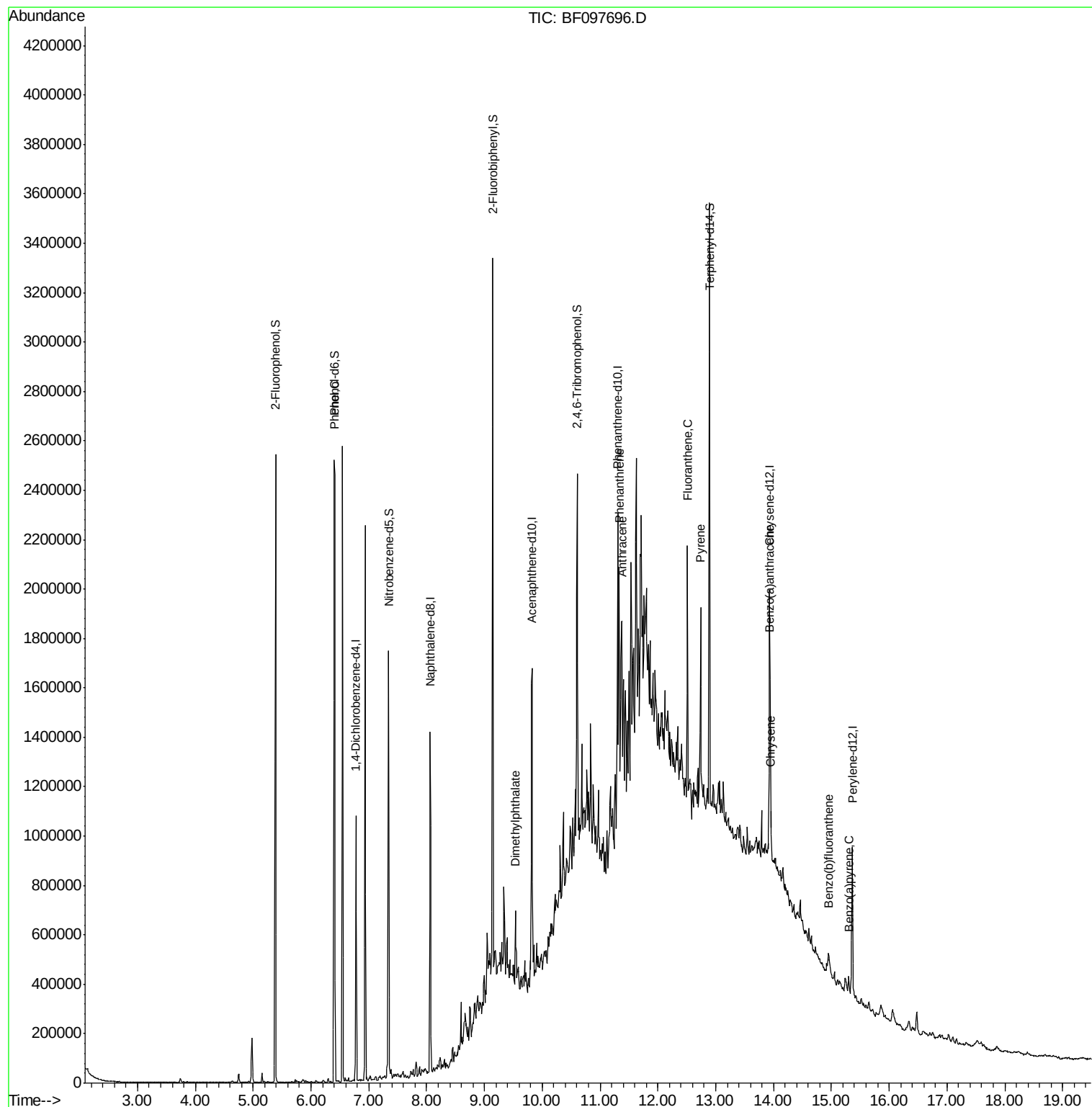
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097696.D
Acq On : 15 Aug 2017 17:38
Operator : SJ/JU
Sample : I4768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

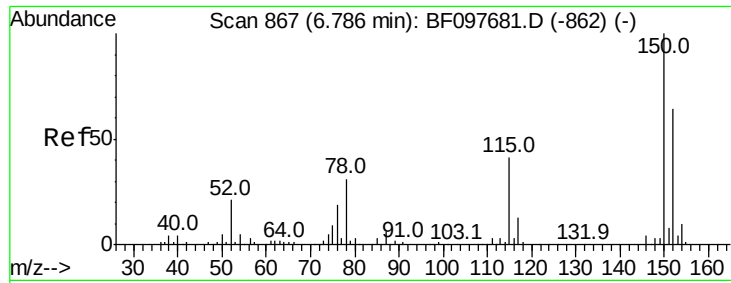
Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

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#1

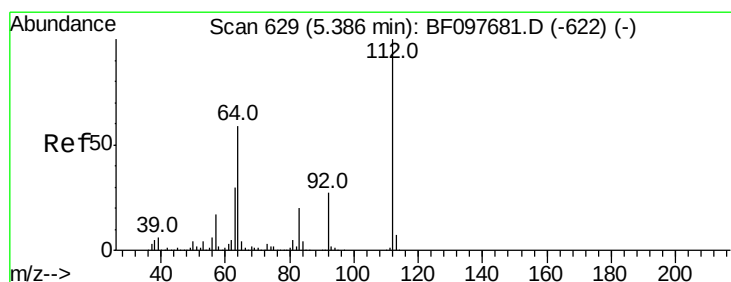
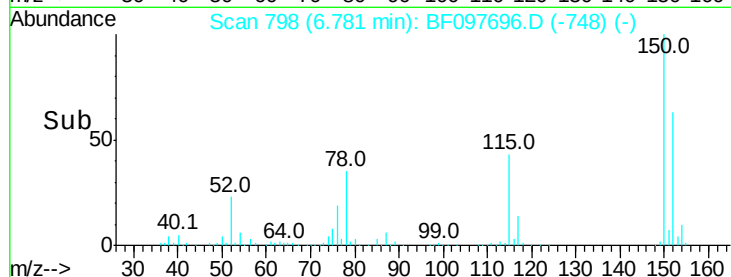
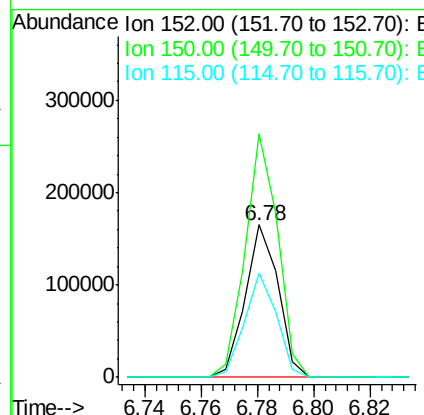
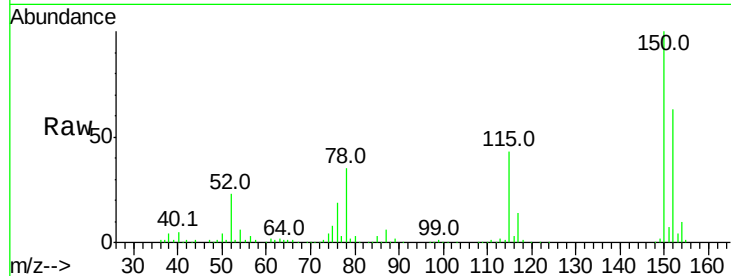
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	68.5	52.2	78.2

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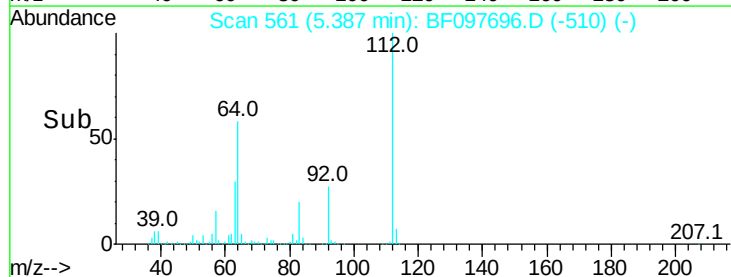
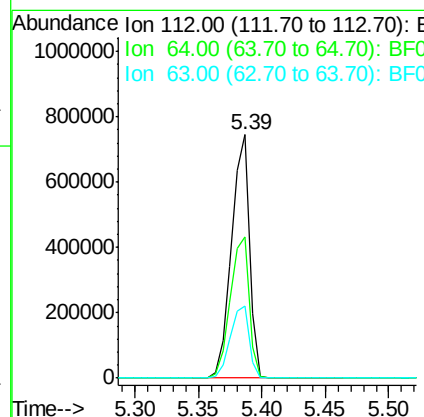
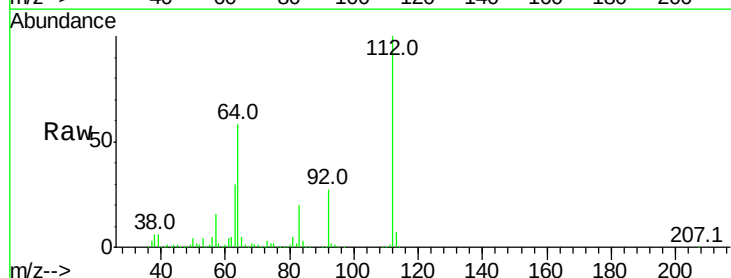
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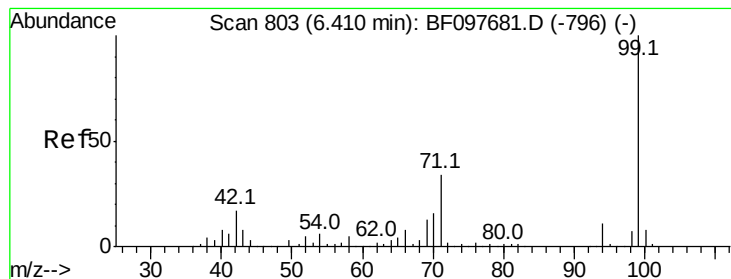


#5

2-Fluorophenol
Concen: 83.433 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	29.8	23.4	35.0





#7

Phenol-d6

Concen: 85.112 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097696.D

Acq: 15 Aug 2017 17:38

Instrument :

BNA_F

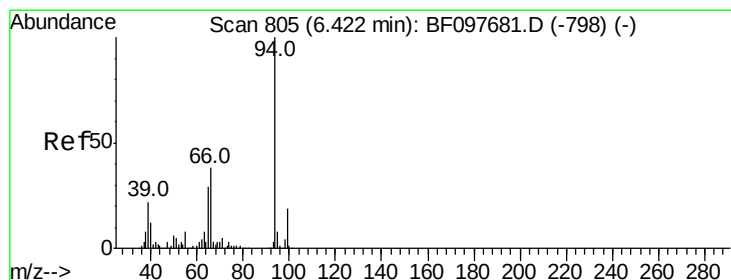
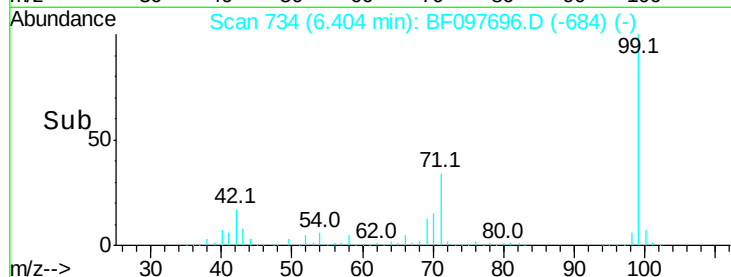
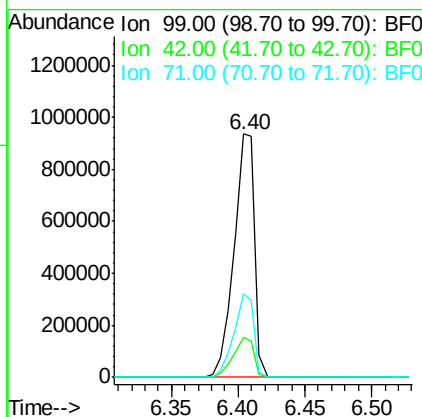
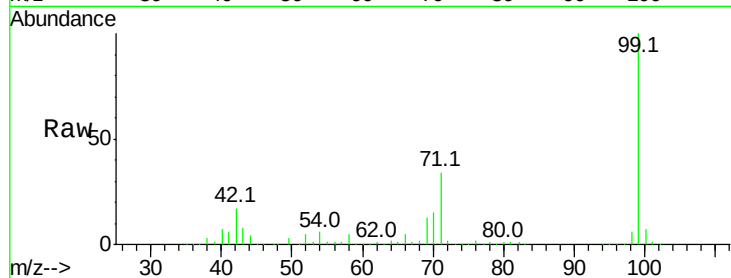
ClientSampleId :

HAMILTON-PL-SOIL-66

Tot Ion:	99	Resp:	1009657
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	34.1	24.5	36.7

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#10

Phenol

Concen: 2.555 ng

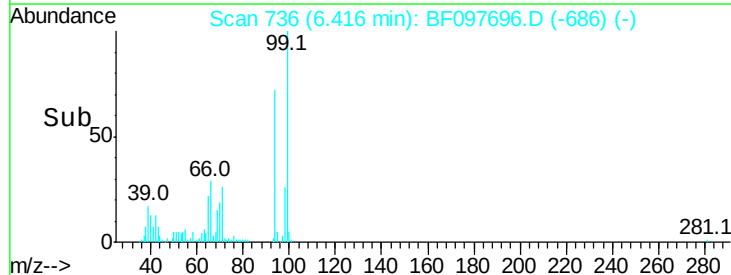
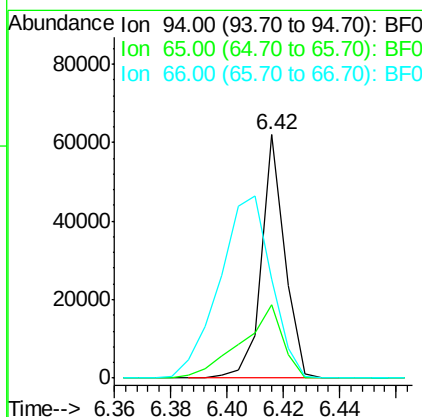
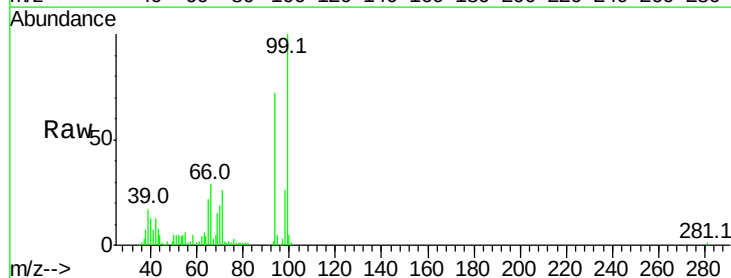
RT: 6.42 min Scan# 736

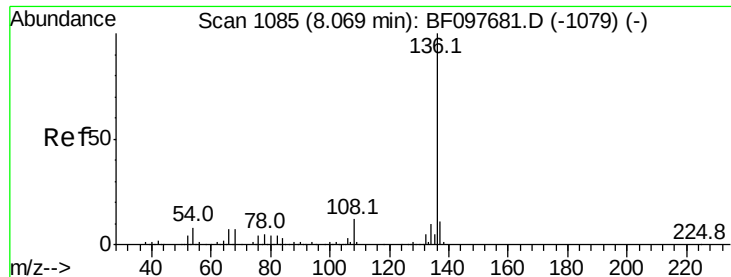
Delta R.T. -0.01 min

Lab File: BF097696.D

Acq: 15 Aug 2017 17:38

Tgt Ion:	94	Resp:	35449
Ion	Ratio	Lower	Upper
94	100		
65	30.4	9.9	49.9
66	40.8	23.1	63.1





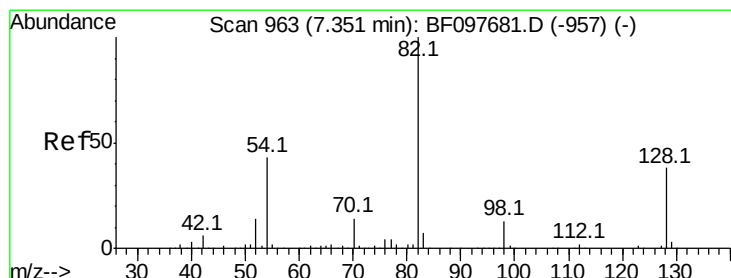
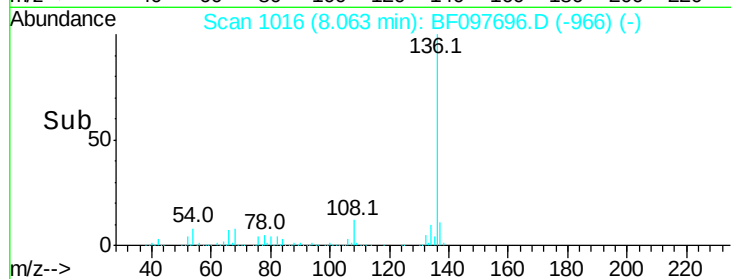
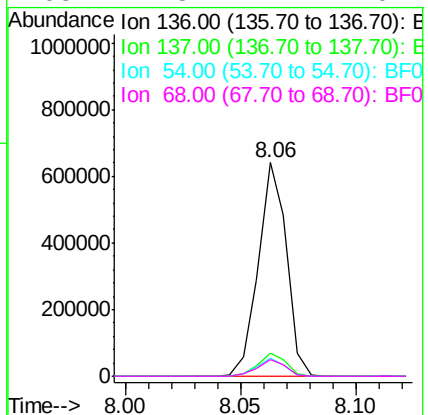
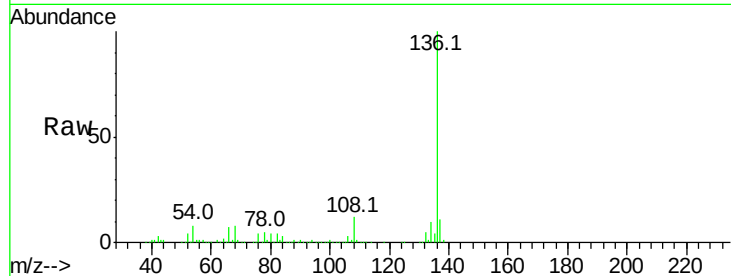
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	8.5	4.9	7.3#
68	7.8	4.1	6.1#

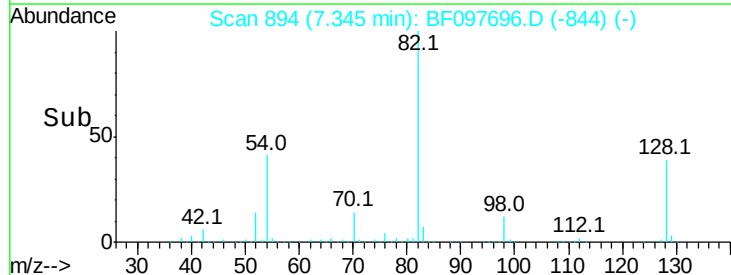
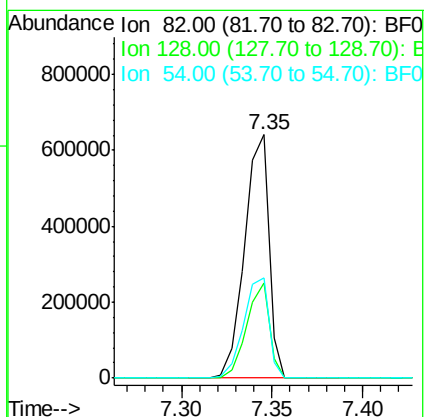
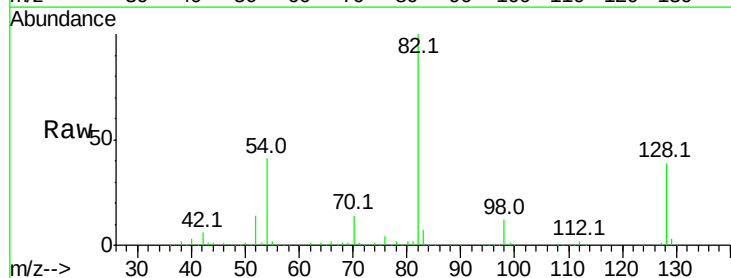
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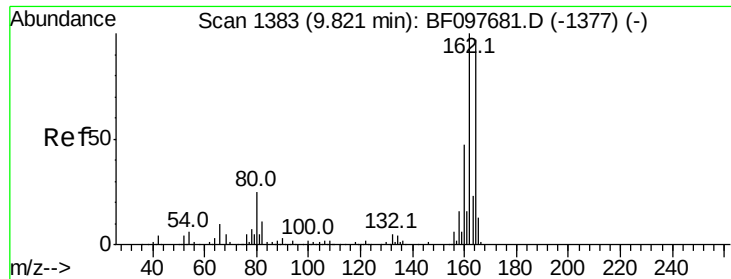
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#23
Nitrobenzene-d5
Concen: 59.475 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.1	34.0	51.0
54	41.0	42.2	63.2#





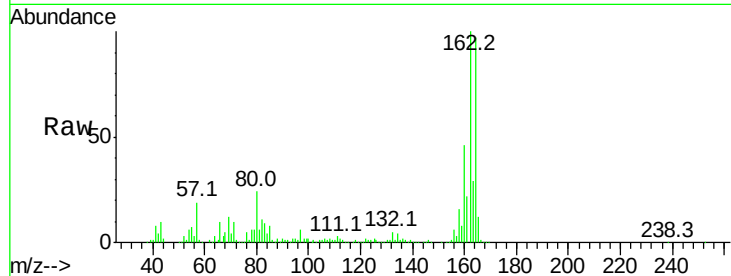
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097696.D
 Acq: 15 Aug 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-SOIL-66

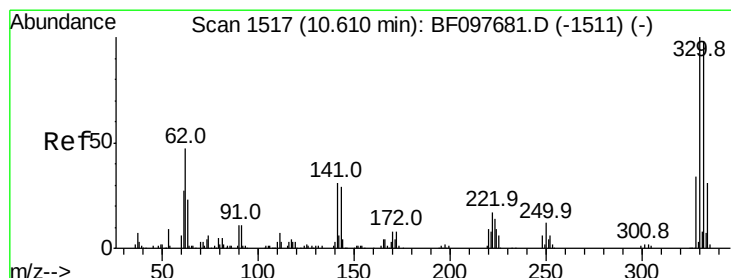
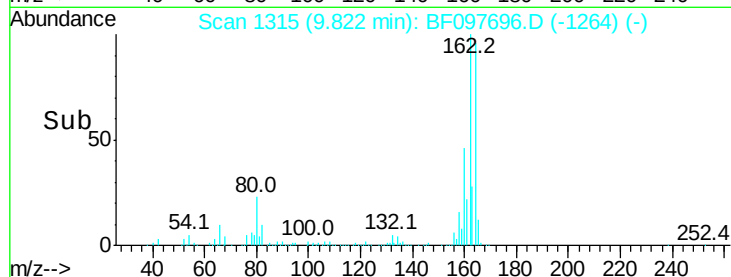
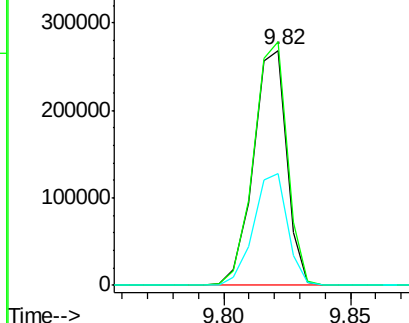
Tot Ion	Ratio	Resp	Lower	Upper
164	100	247961		
162	103.6	82.6	123.8	
160	47.4	36.2	54.2	

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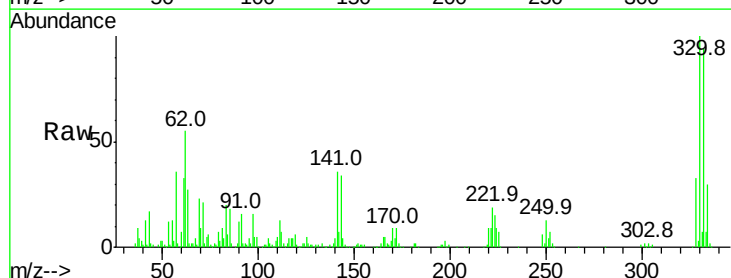


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

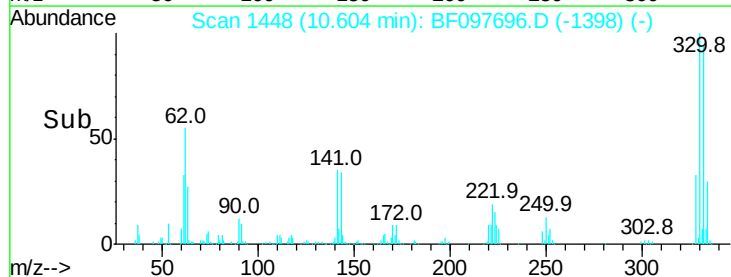
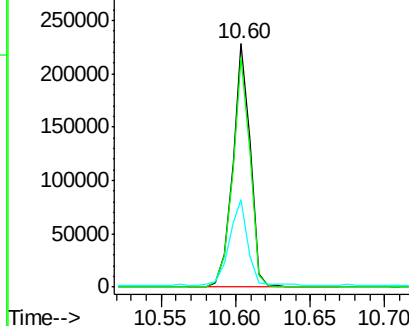


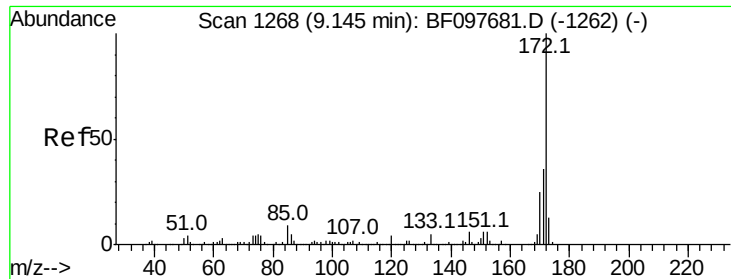
#41
 2,4,6-Tribromophenol
 Concen: 87.703 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097696.D
 Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	188690		
332	94.2	76.6	115.0	
141	35.9	31.4	47.2	



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





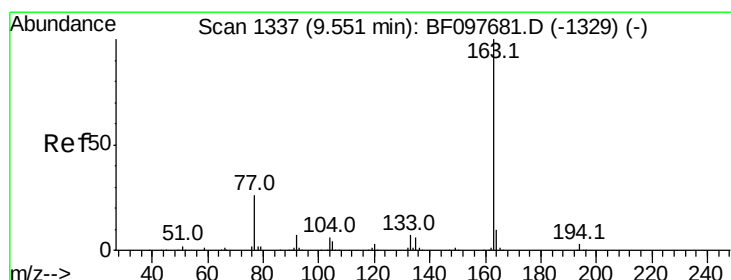
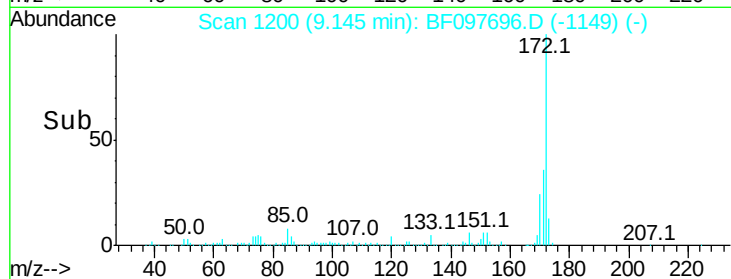
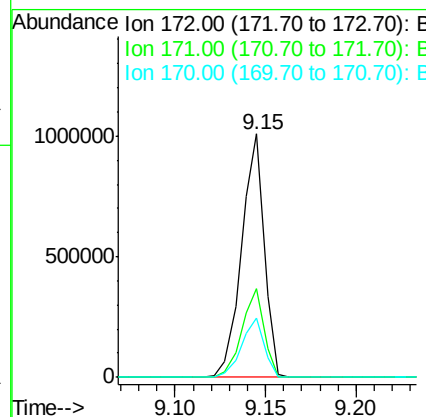
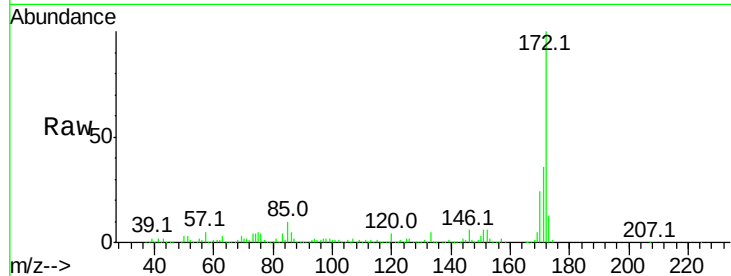
#44
2-Fluorobiphenyl
Concen: 51.747 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Resp	Lower	Upper
172	100	873339		
171	36.3		29.6	44.4
170	24.3		19.8	29.8

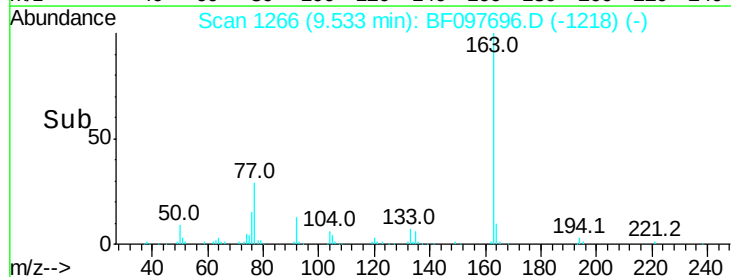
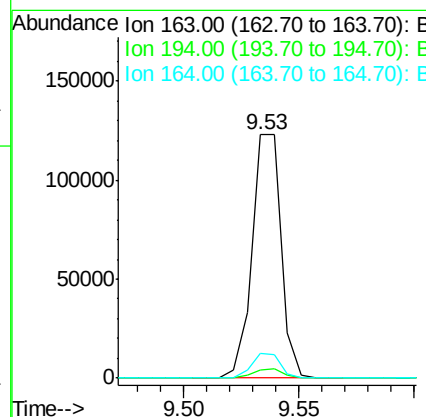
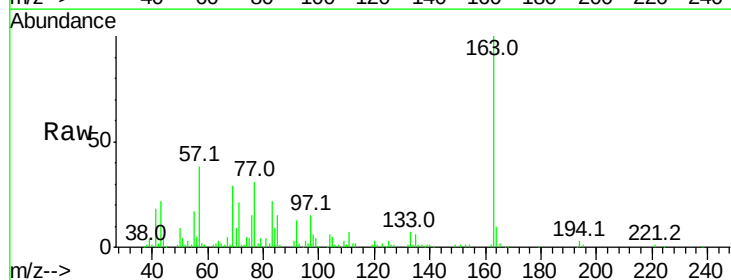
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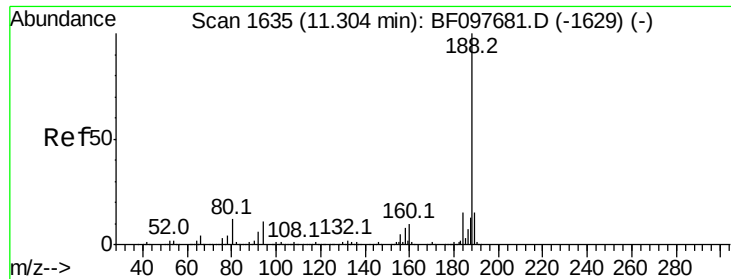
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#49
Dimethylphthalate
Concen: 6.006 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	108860		
194	3.4		2.6	4.0
164	10.0		8.4	12.6





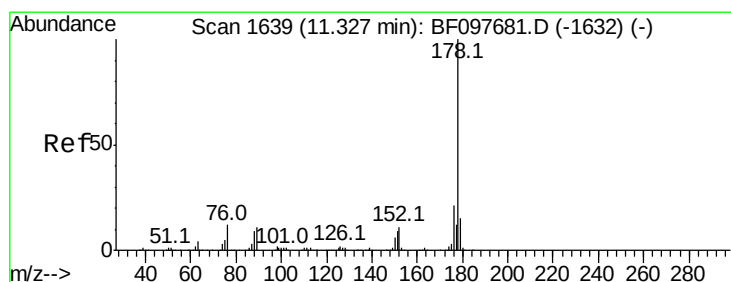
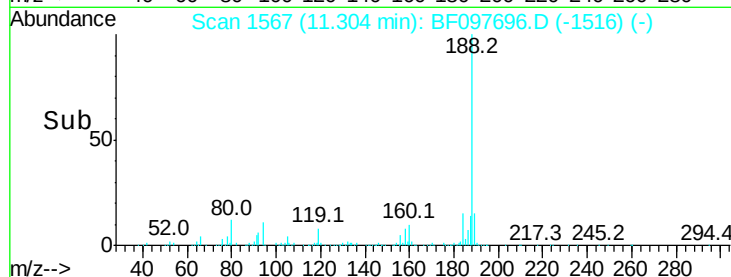
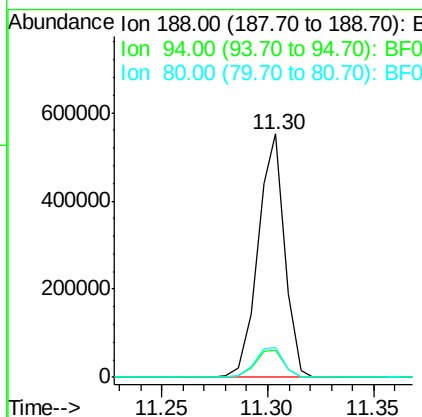
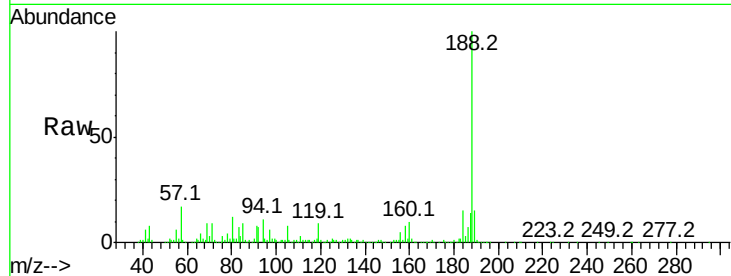
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	9.4	14.2
80	12.1	10.2	15.2

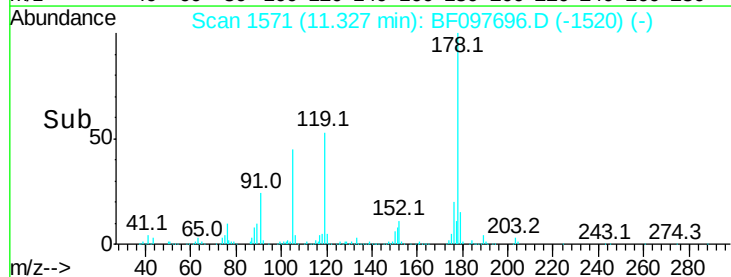
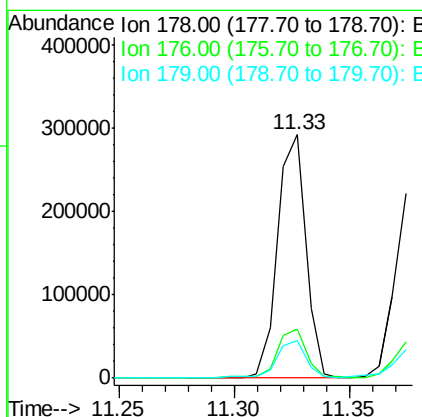
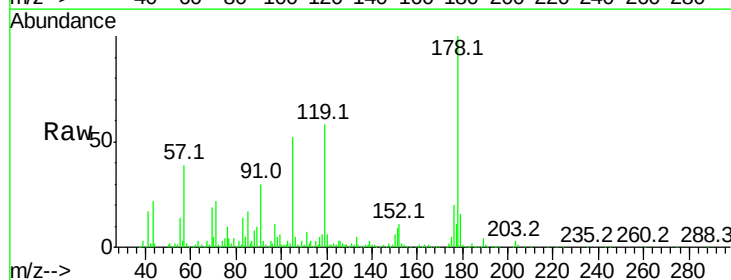
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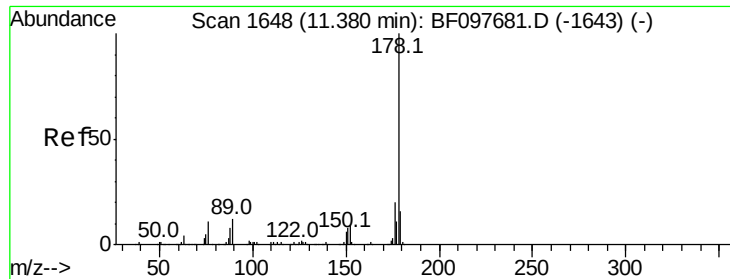
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#70
Phenanthrene
Concen: 9.613 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.5	12.6	19.0





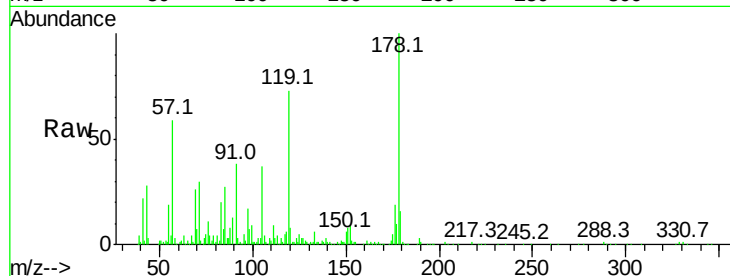
#71
 Anthracene
 Concen: 6.776 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097696.D
 Acq: 15 Aug 2017 17:38

Instrument :
 BNA_F
 ClientSampleId :
 HAMILTON-PL-SOIL-66

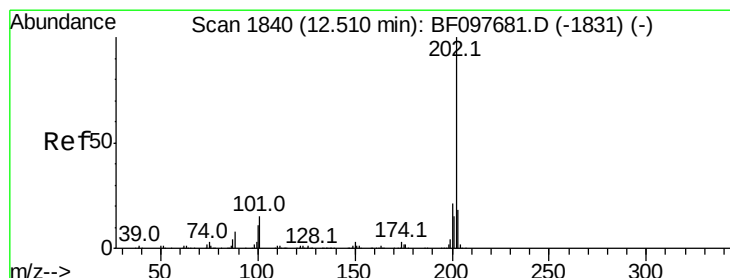
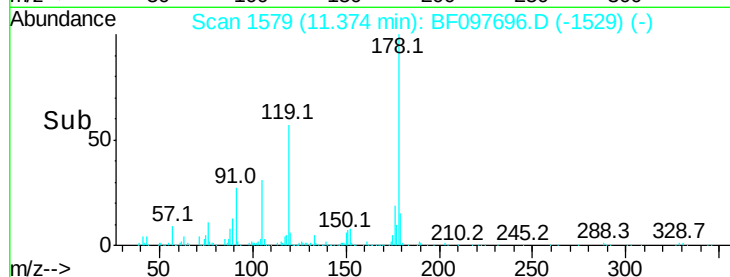
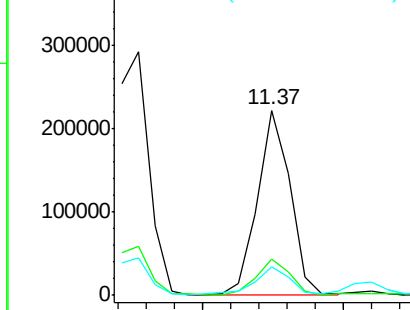
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	12.7	19.1

Manual Integrations
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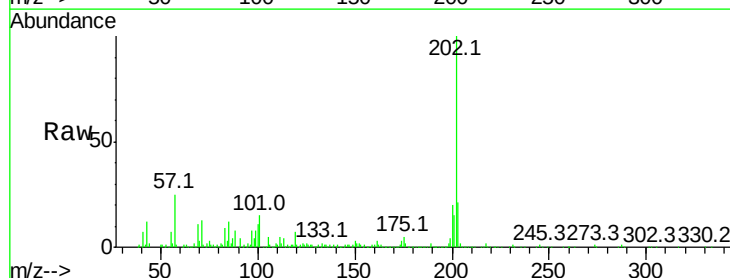


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

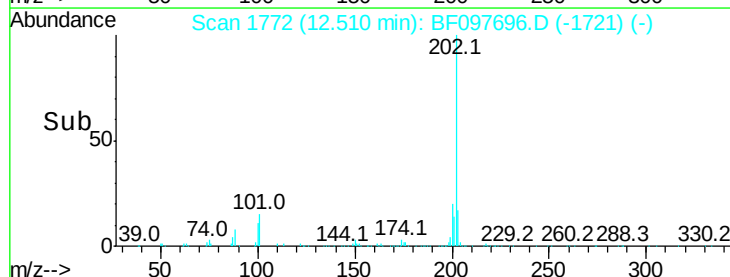
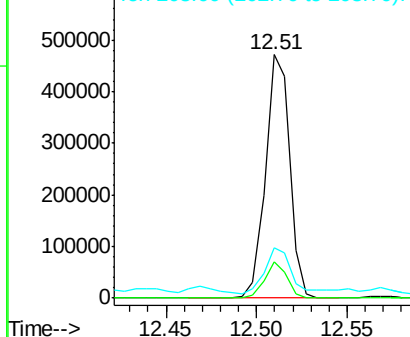


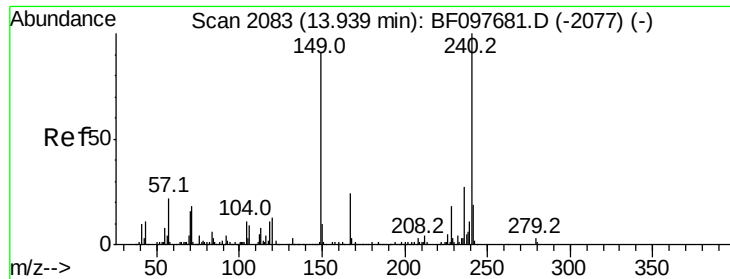
#74
 Fluoranthene
 Concen: 16.135 ng
 RT: 12.51 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BF097696.D
 Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	33.2
203	20.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





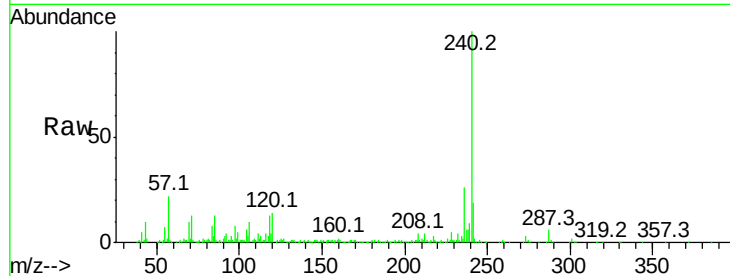
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampled :
HAMILTON-PL-SOIL-66

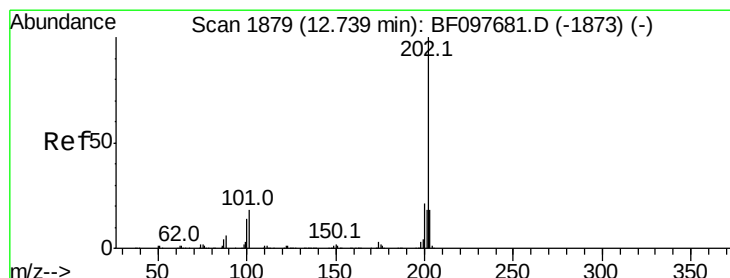
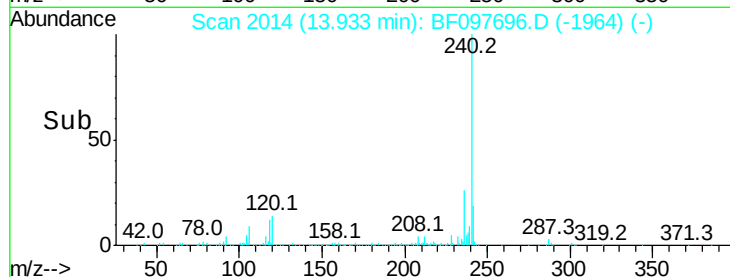
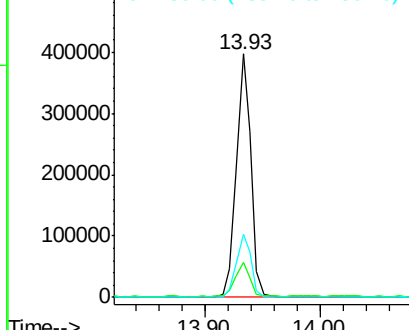
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.8	20.5	30.7

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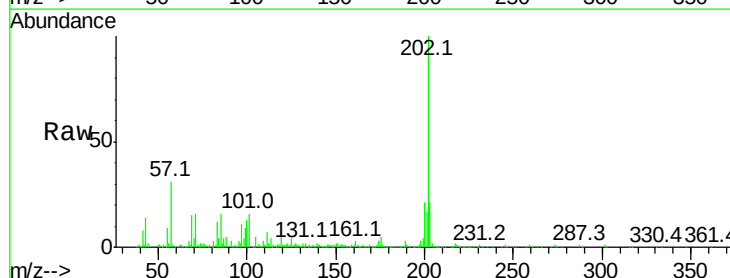


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

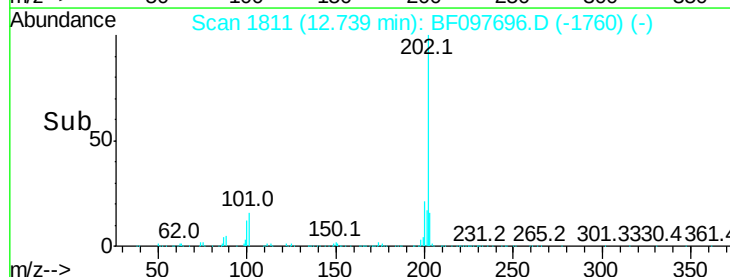
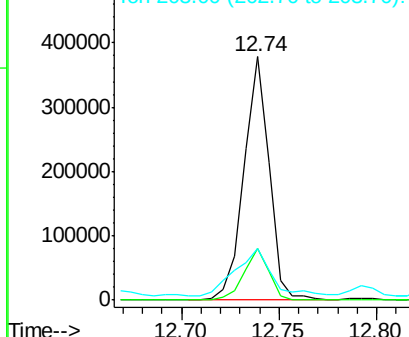


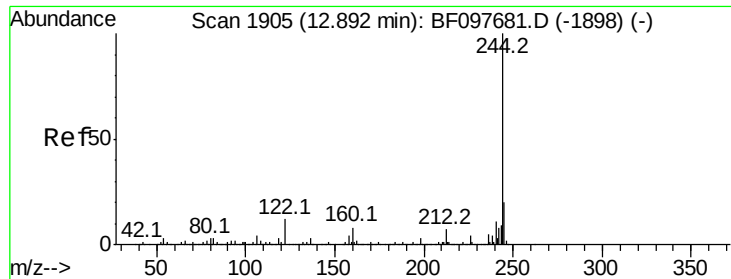
#77
Pyrene
Concen: 11.942 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	21.1	14.4	21.6



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: 46.343 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF097696.D

Acq: 15 Aug 2017 17:38

Instrument :

BNA_F

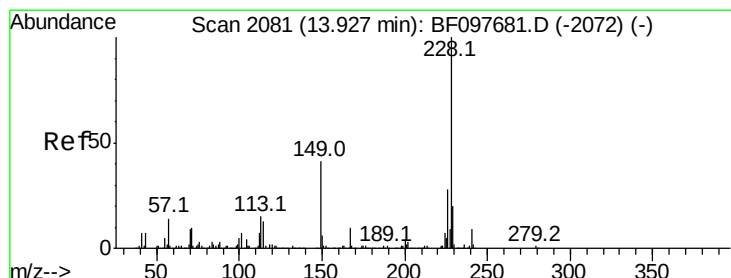
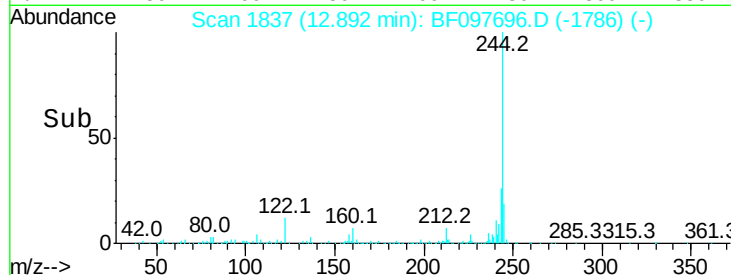
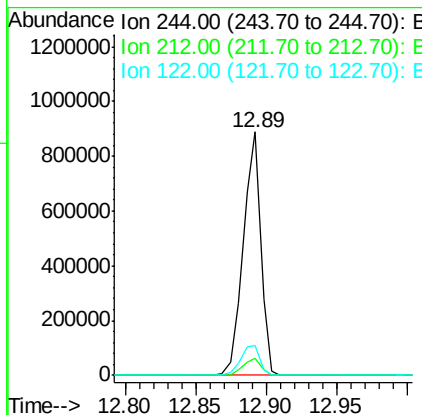
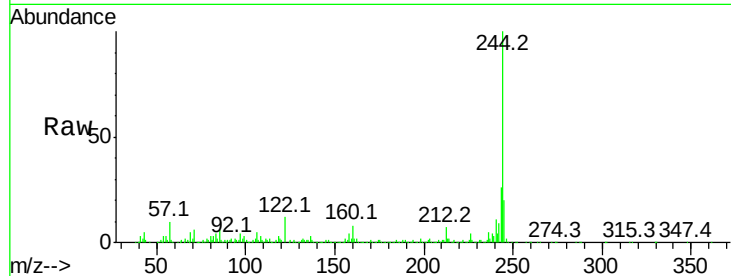
ClientSampleId :

HAMILTON-PL-SOIL-66

Tot Ion:	244	Resp:	766250
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	12.1	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 3.606 ng

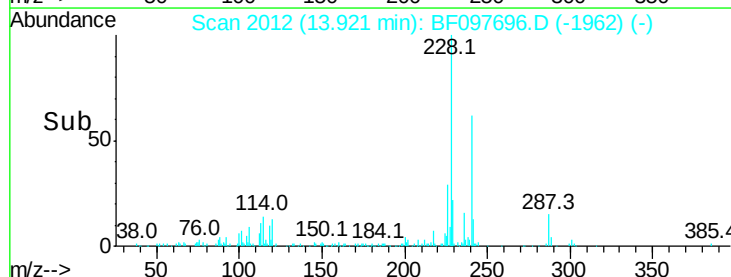
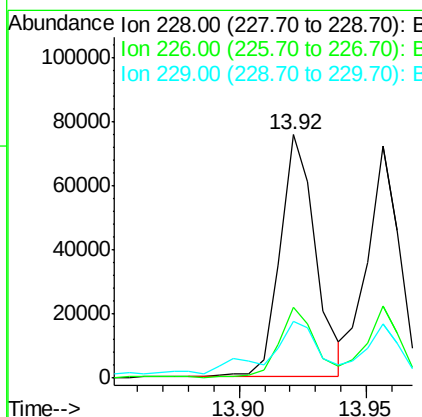
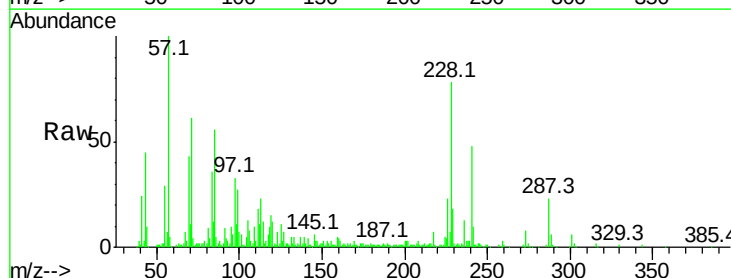
RT: 13.92 min Scan# 2012

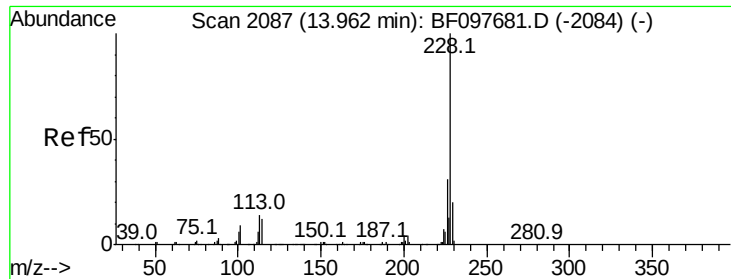
Delta R.T. -0.01 min

Lab File: BF097696.D

Acq: 15 Aug 2017 17:38

Tgt Ion:	228	Resp:	74515
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	23.1	16.3	24.5





#82

Chrysene

Concen: 3.155 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097696.D

Acq: 15 Aug 2017 17:38

Instrument :

BNA_F

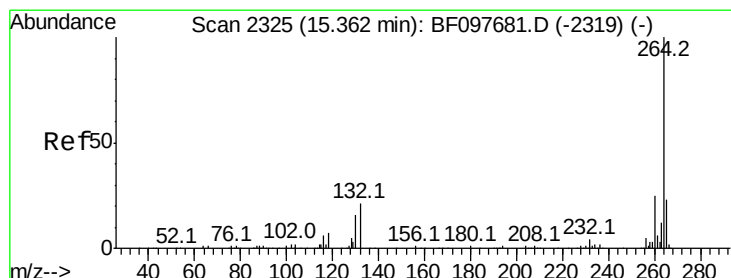
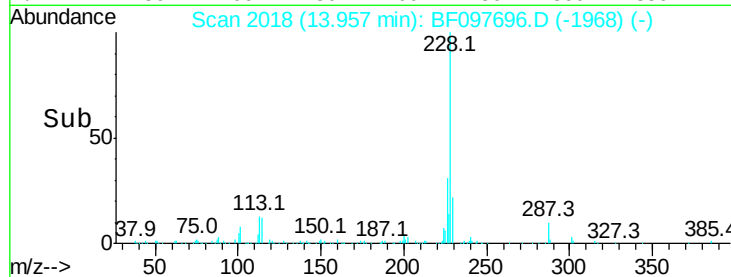
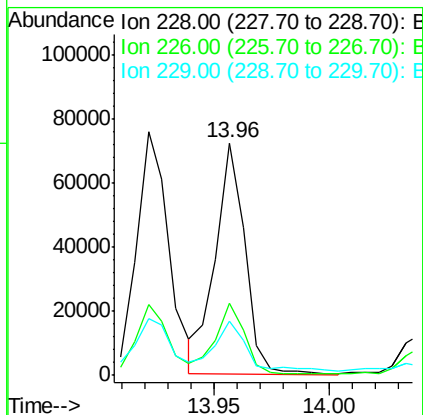
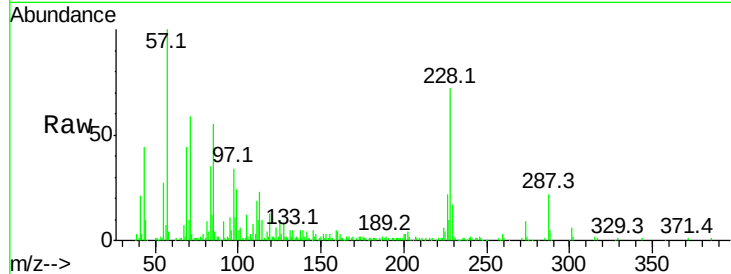
ClientSampleId :

HAMILTON-PL-SOIL-66

Tot Ion:	228	Resp:	64850
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	23.5	15.8	23.6

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#86

Perylene-d12

Concen: 20.000 ng

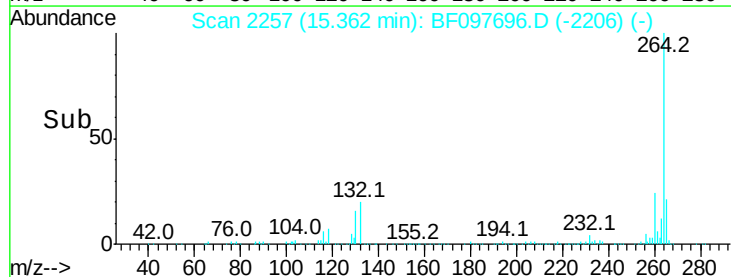
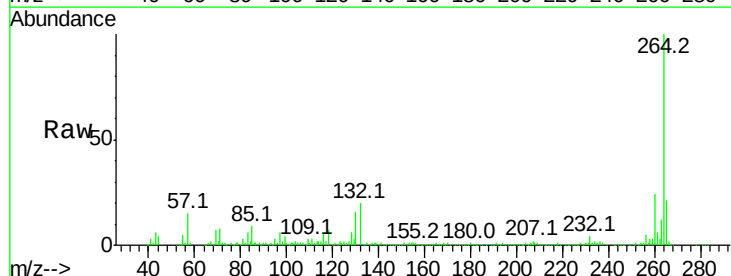
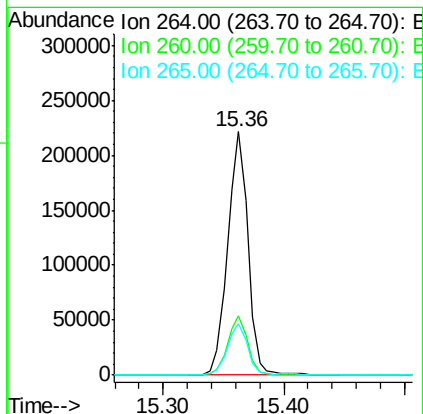
RT: 15.36 min Scan# 2257

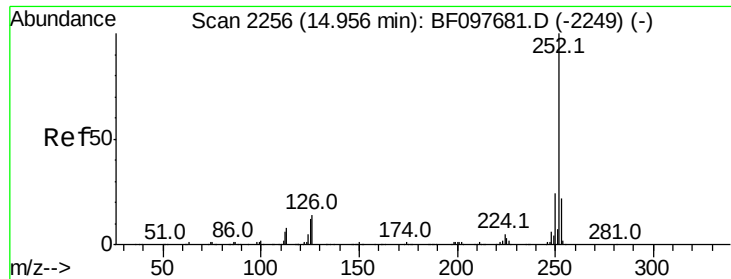
Delta R.T. 0.00 min

Lab File: BF097696.D

Acq: 15 Aug 2017 17:38

Tgt Ion:	264	Resp:	258547
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	21.1	17.2	25.8





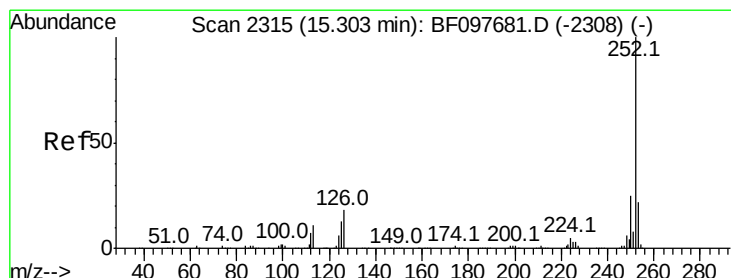
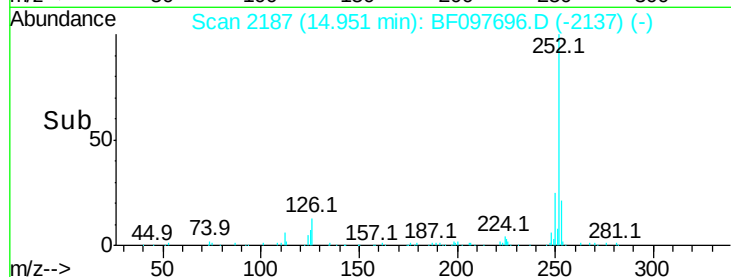
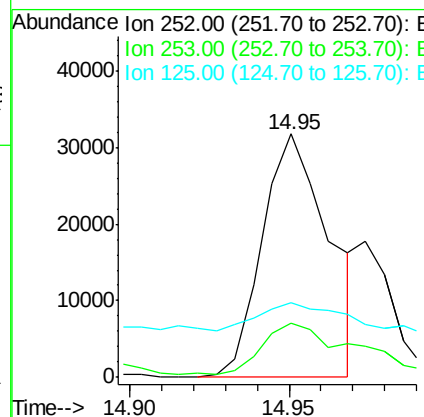
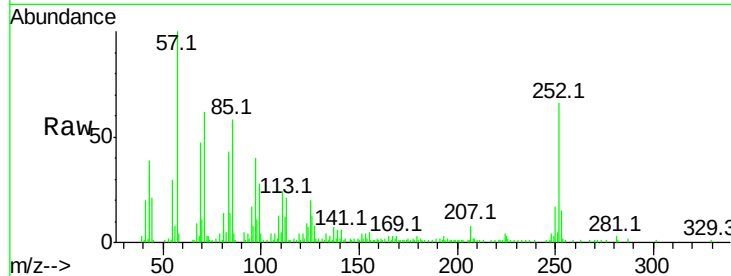
#87
Benzo(b)fluoranthene
Concen: 2.841 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	30.5	9.8	14.8

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.121 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.5	26.3
125	32.7	11.0	16.4

