

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
 Data File : BF098048.D
 Acq On : 25 Aug 2017 23:35
 Operator : SJ/JU
 Sample : I4938-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOIL

Manual Integrations
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Sohil
 8/28/2017 3:13:32 PM

Quant Time: Aug 26 00:37:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	116046	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	422556	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	152093	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	248686	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	248102	20.00	ng	-0.01
86) Perylene-d12	15.31	264	175213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	683076	89.53	ng	0.00
7) Phenol-d6	6.37	99	913917	88.17	ng	-0.01
23) Nitrobenzene-d5	7.30	82	545178	70.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	107041	81.11	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	753602	72.80	ng	-0.01
78) Terphenyl-d14	12.84	244	531249	44.65	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	26887	2.218	ng	93
49) Dimethylphthalate	9.49	163	91714	8.249	ng	100
70) Phenanthrene	11.27	178	86220	6.506	ng	97
71) Anthracene	11.33	178	36434	2.711	ng	98
74) Fluoranthene	12.46	202	211237	15.272	ng	98
77) Pyrene	12.69	202	213204	10.507	ng	97
80) Benzo(a)anthracene	13.87	228	114133	7.676	ng	95
82) Chrysene	13.91	228	106690	7.213	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	51596m	4.742	ng	
87) Benzo(b)fluoranthene	14.90	252	143470m	12.990	ng	
88) Benzo(k)fluoranthene	14.93	252	38127m	3.675	ng	
89) Benzo(a)pyrene	15.24	252	95466	9.764	ng	97
91) Benzo(a,h,i)perylene	17.09	276	52750	6.351	ng	93

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

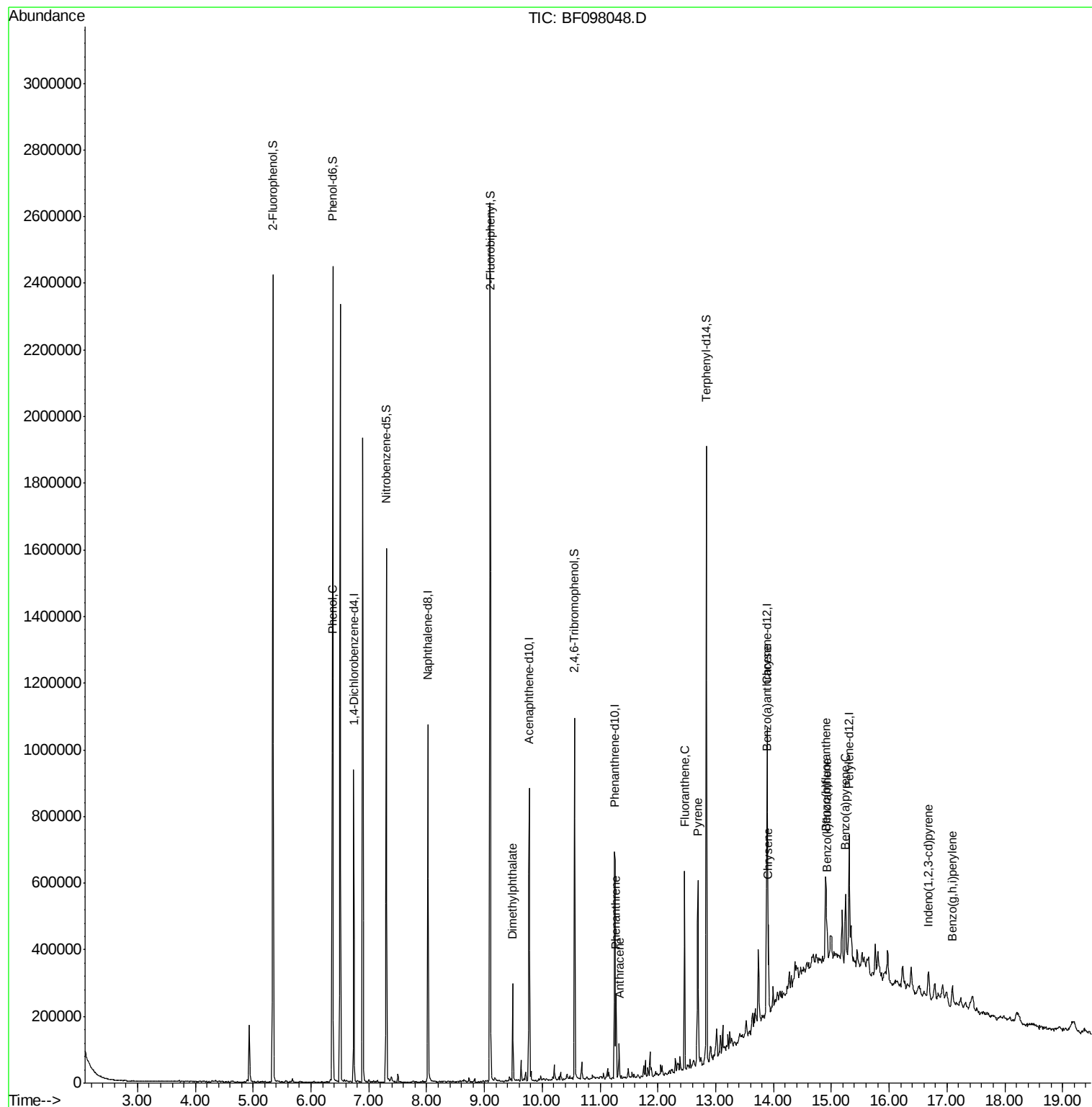
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
Data File : BF098048.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

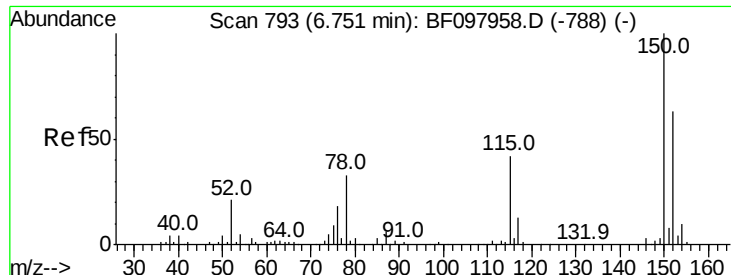
Instrument :
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IRON-LEAF-TOPSOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

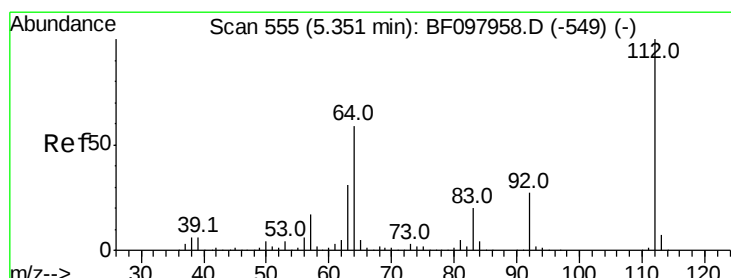
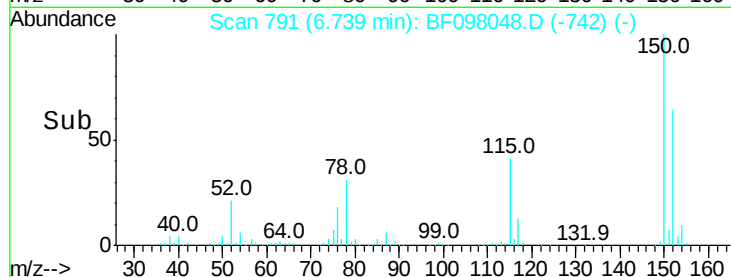
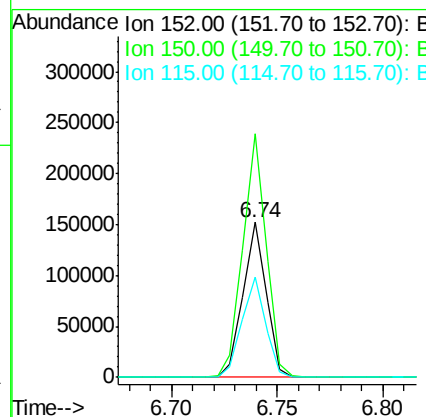
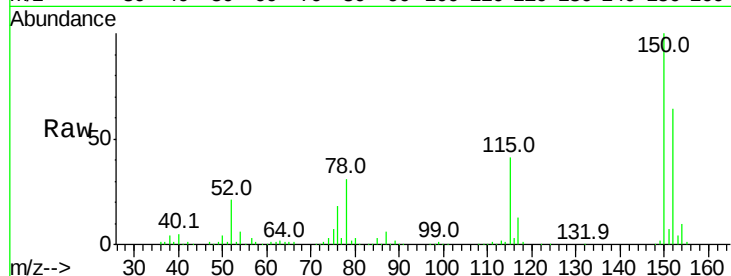
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	64.8	52.2	78.2

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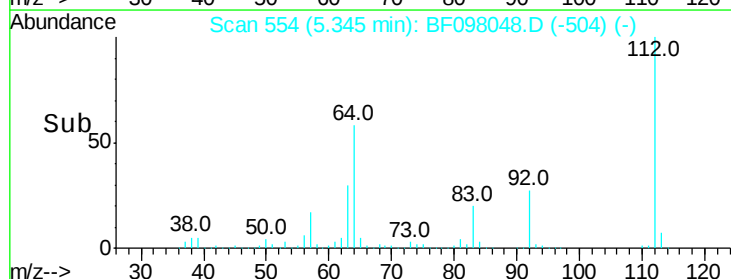
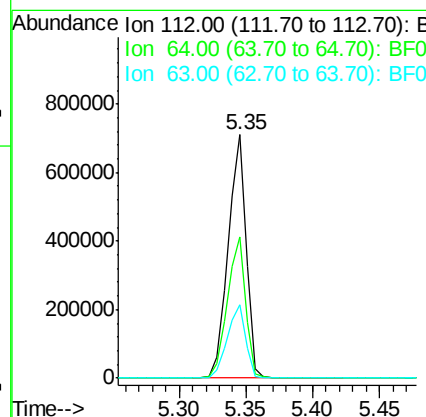
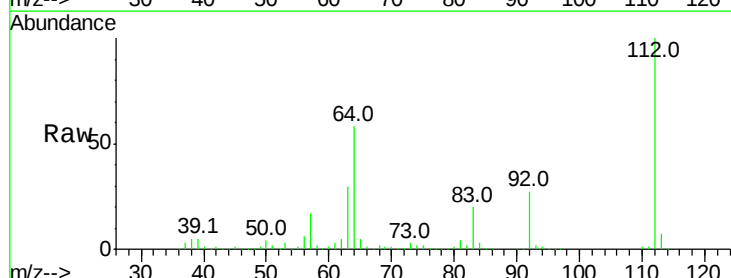
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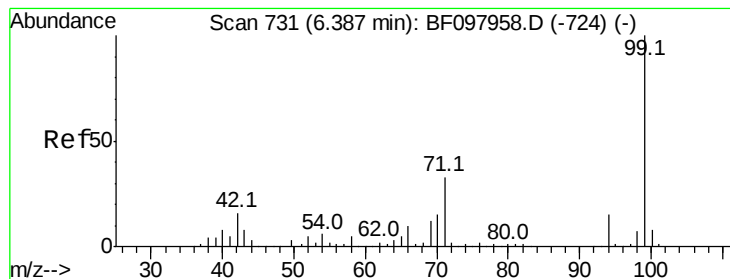


#5

2-Fluorophenol
Concen: 89.534 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.0	69.0
63	30.0	23.4	35.0





#7

Phenol-d6

Concen: 88.166 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Instrument :

BNA_F

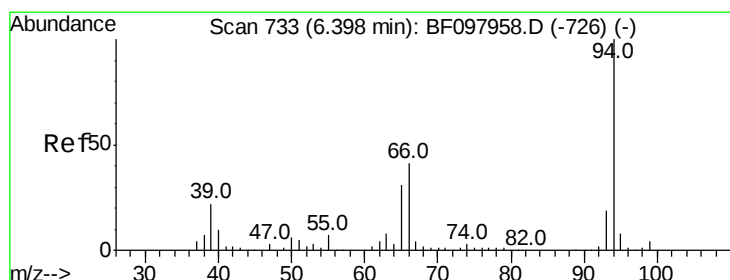
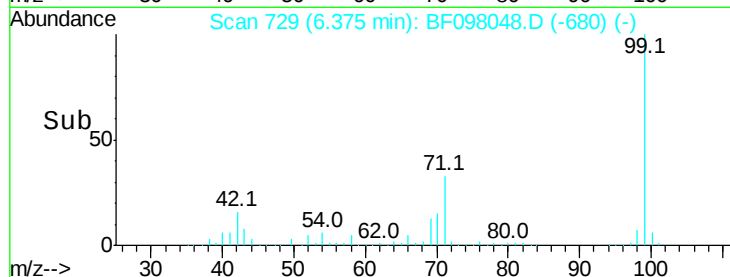
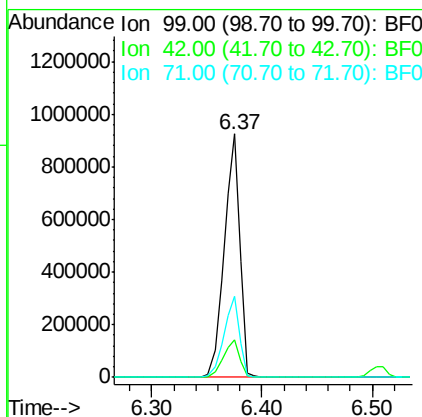
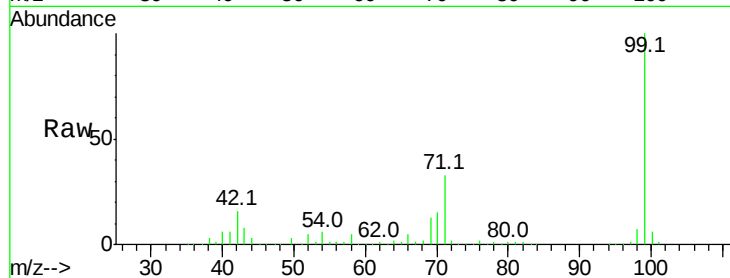
ClientSampleId :

IRON-LEAF-TOPSOIL

Tot Ion:	99	Resp:	913917
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	33.2	24.5	36.7

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#10

Phenol

Concen: 2.218 ng

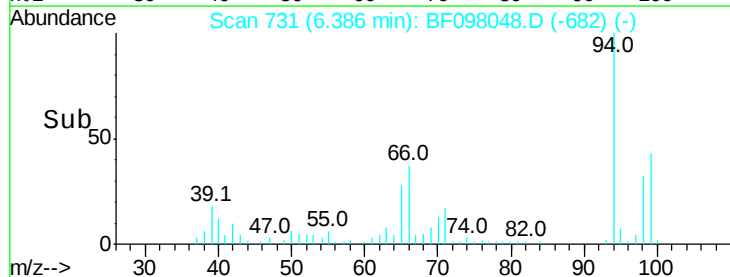
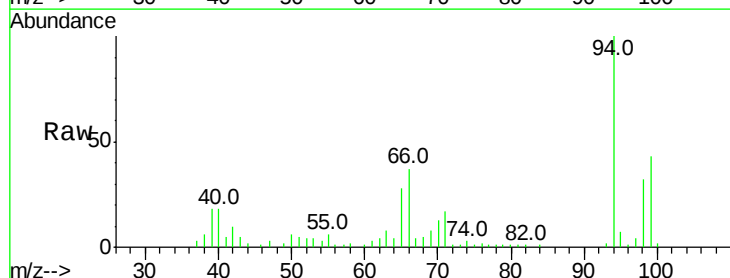
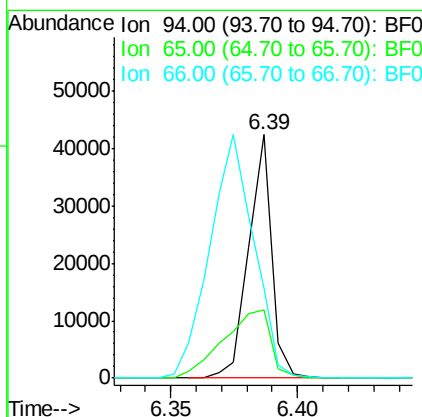
RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Tgt Ion:	94	Resp:	26887
Ion Ratio	Lower	Upper	
94	100		
65	27.9	9.9	49.9
66	37.0	23.1	63.1





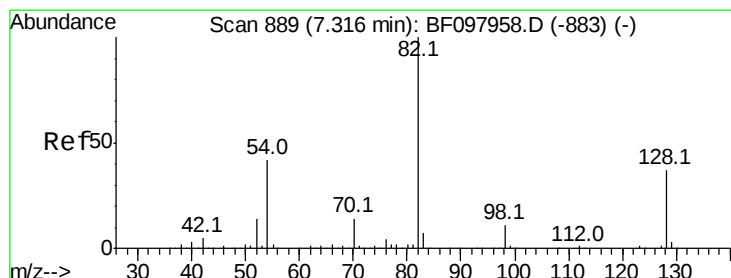
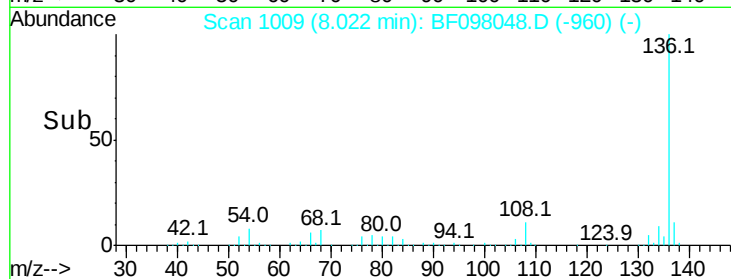
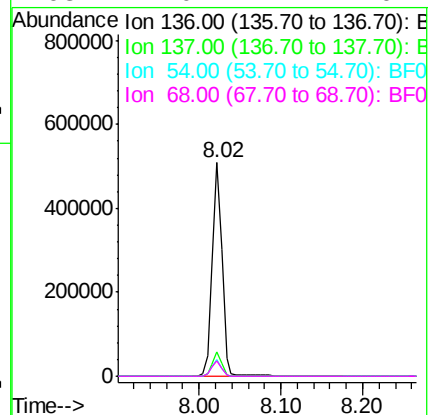
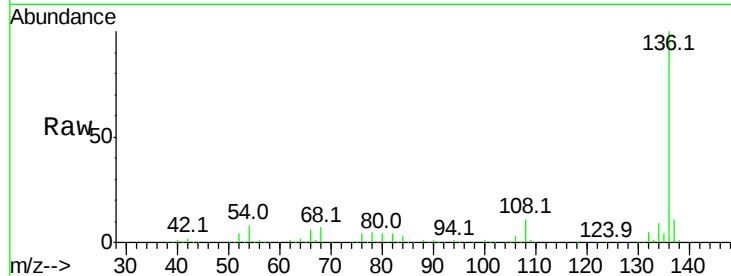
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.5	12.7	
54	7.8	4.9	7.3#	
68	7.0	4.1	6.1#	

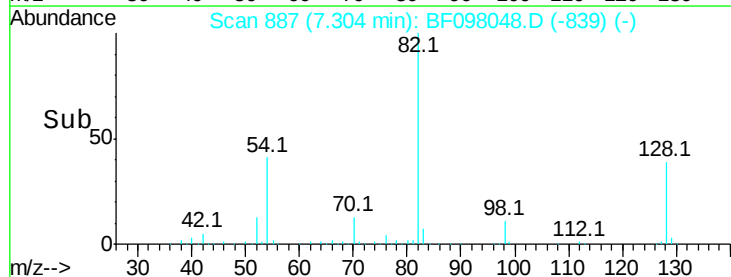
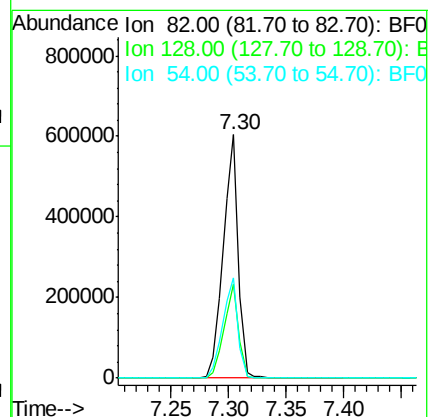
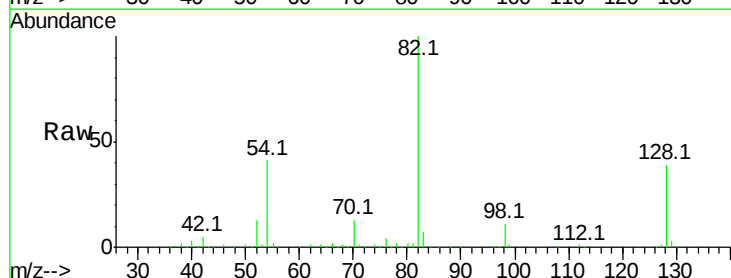
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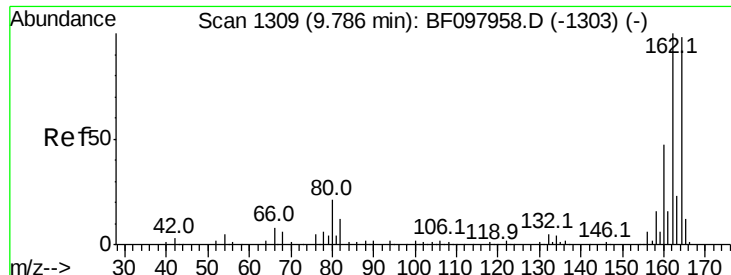
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#23
Nitrobenzene-d5
Concen: 70.089 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.5	34.0	51.0	
54	41.4	42.2	63.2#	





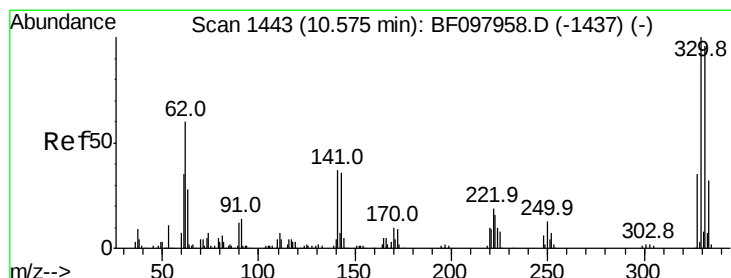
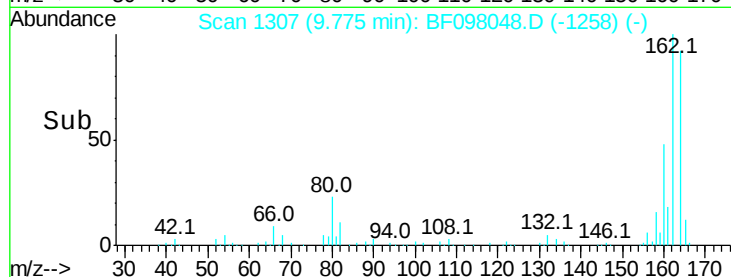
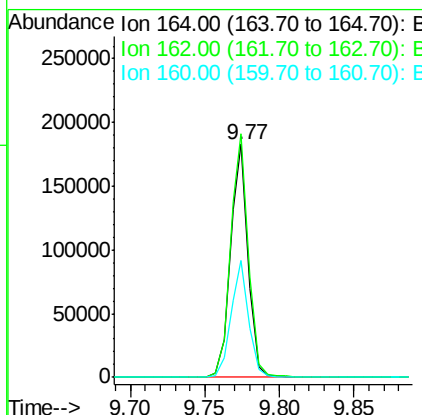
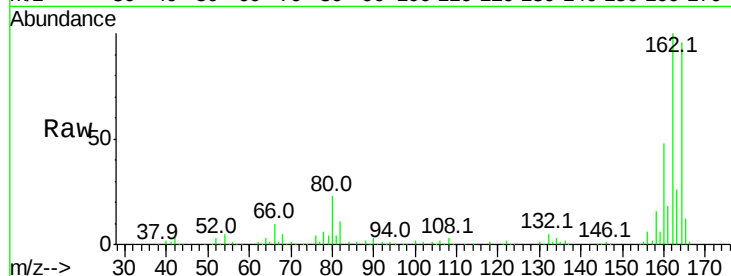
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098048.D
 Acq: 25 Aug 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	152093		
162	104.4	82.6	123.8	
160	50.3	36.2	54.2	

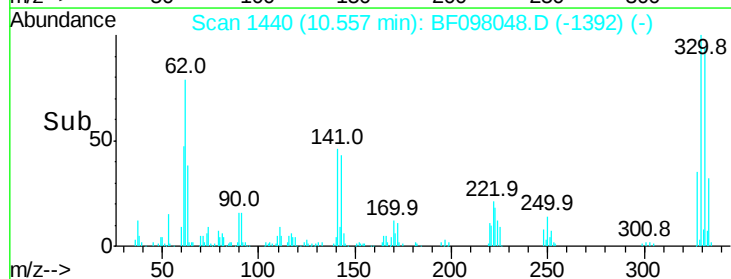
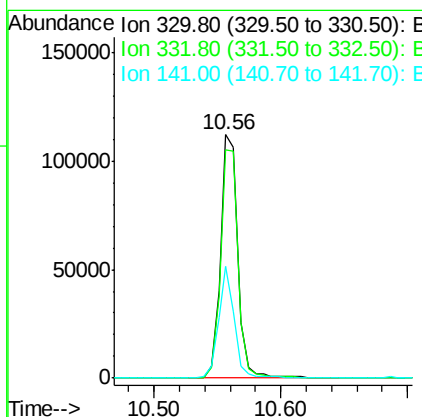
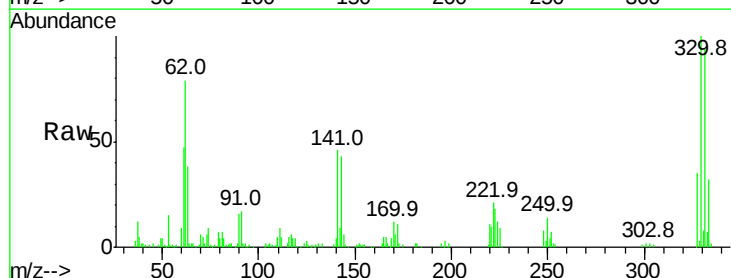
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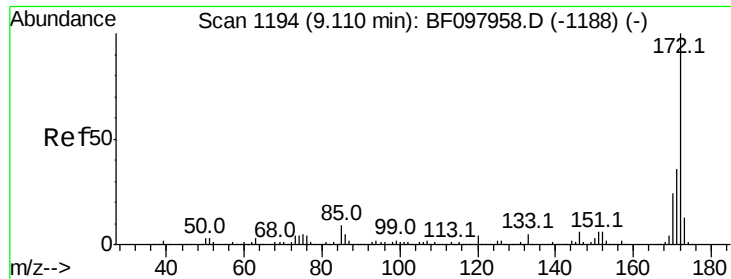
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#41
 2,4,6-Tribromophenol
 Concen: 81.113 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098048.D
 Acq: 25 Aug 2017 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	107041		
332	95.9	76.6	115.0	
141	42.1	31.4	47.2	





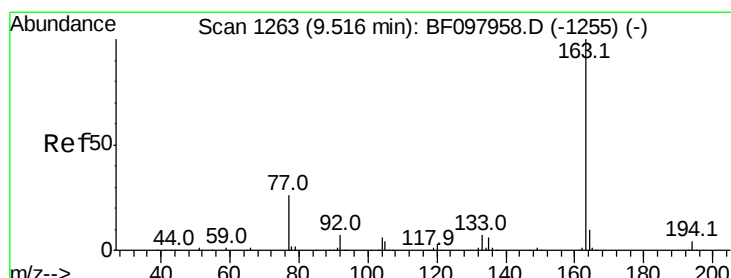
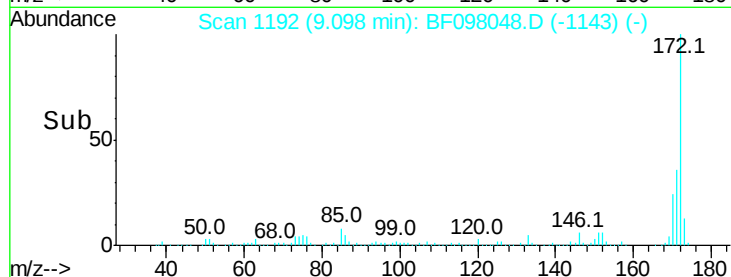
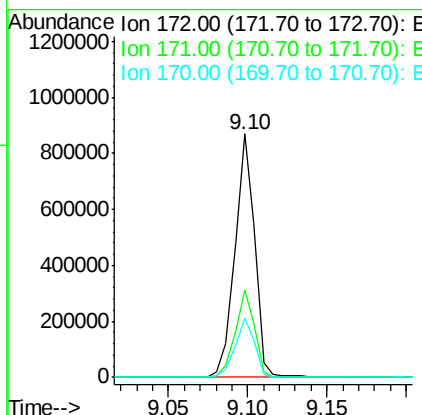
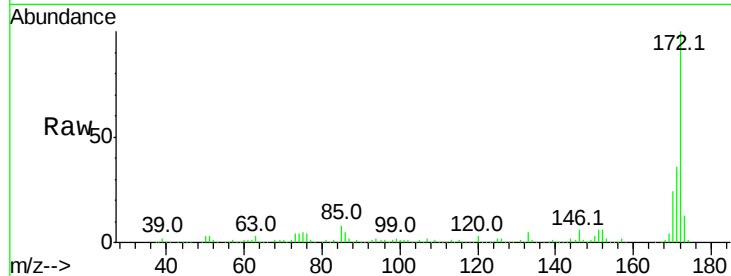
#44
2-Fluorobiphenyl
Concen: 72.797 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.6	44.4	
170	24.4	19.8	29.8	

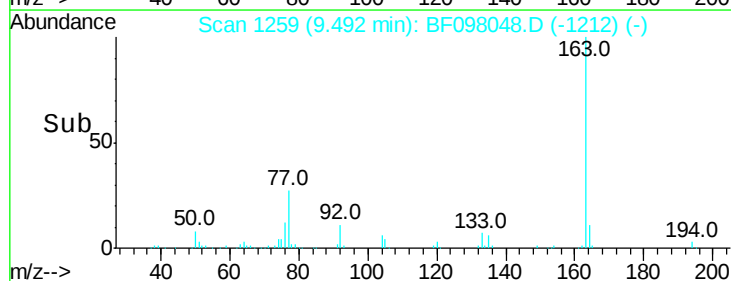
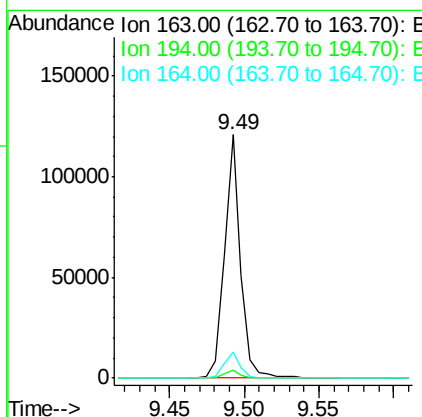
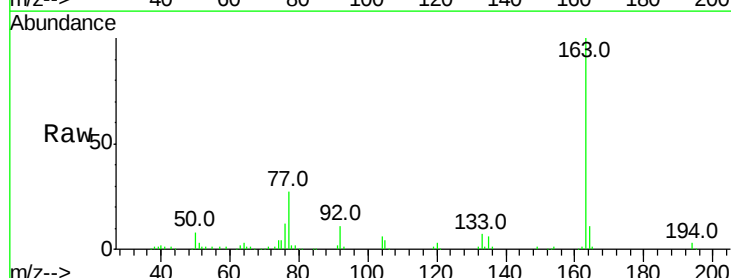
Manual Integrations
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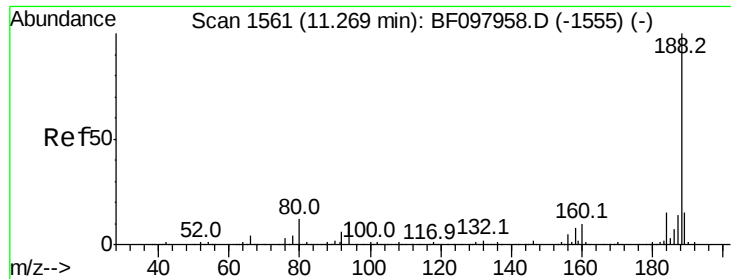
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#49
Dimethylphthalate
Concen: 8.249 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	10.6	8.4	12.6	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Instrument :

BNA_F

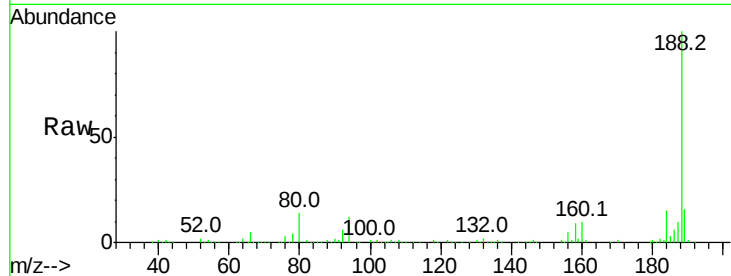
ClientSampleId :

IRON-LEAF-TOPSOIL

Tot Ion:	188	Resp:	248686
Ion Ratio	Lower	Upper	
188	100		
94	12.5	9.4	14.2
80	13.5	10.2	15.2

Manual Integrations
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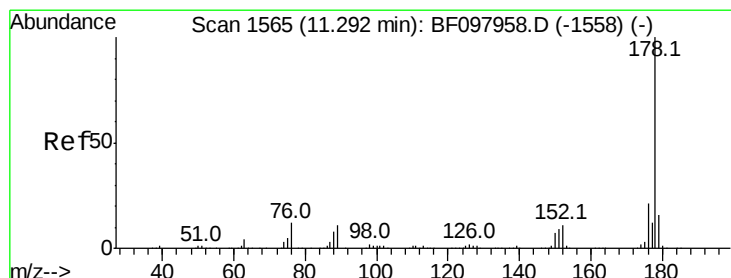
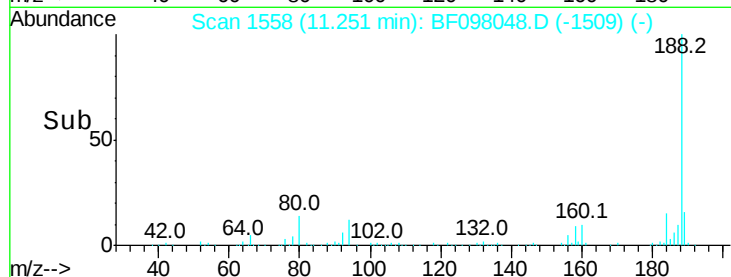
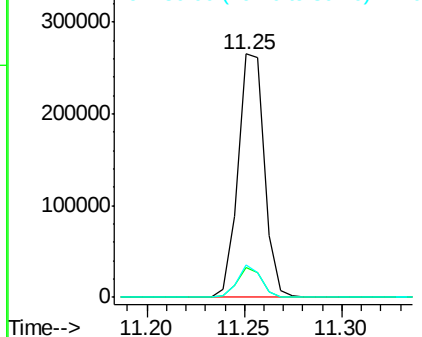
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 6.506 ng

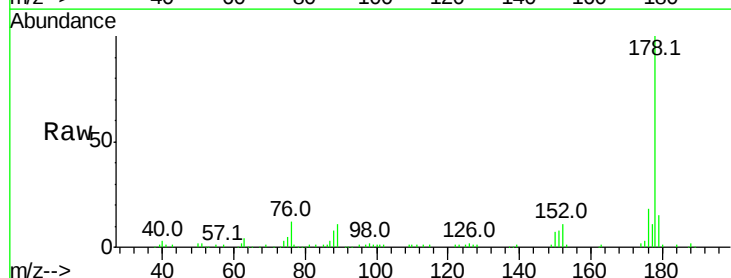
RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

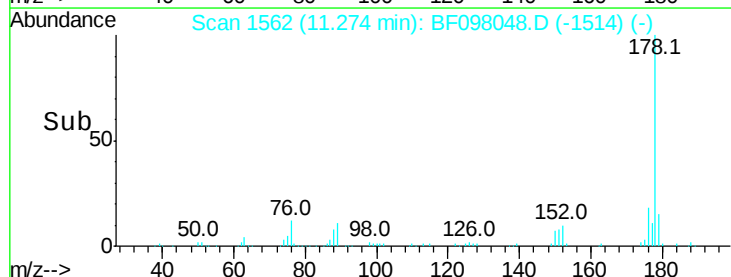
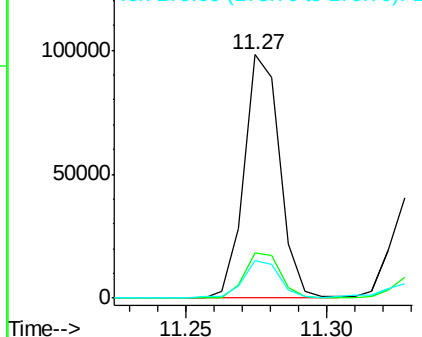
Tgt Ion:	178	Resp:	86220
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.2	24.4
179	15.4	12.6	19.0

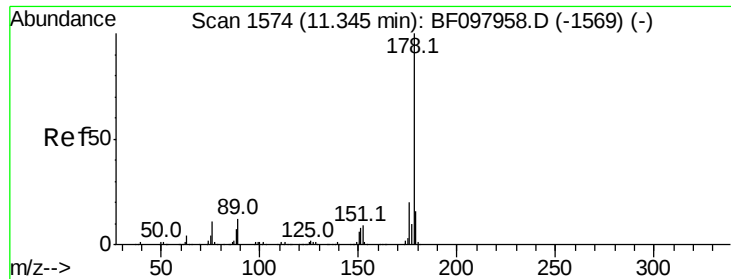


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





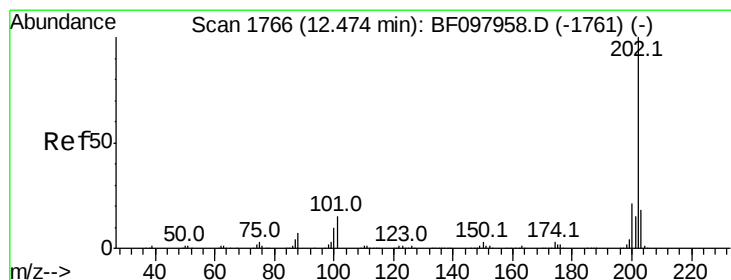
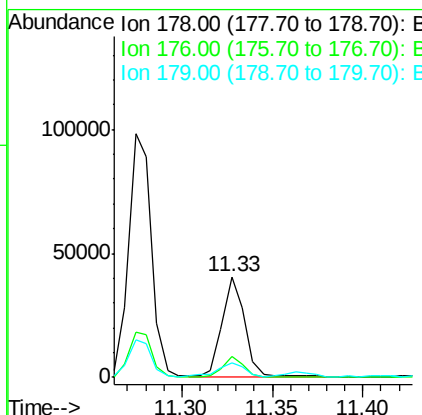
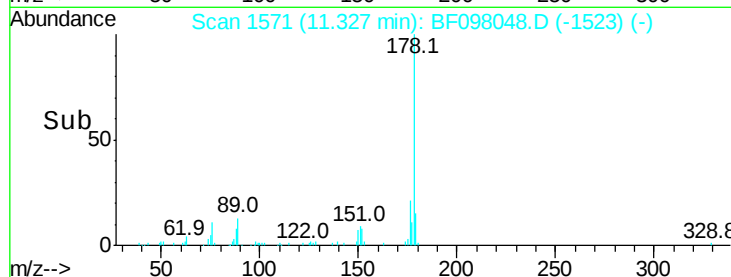
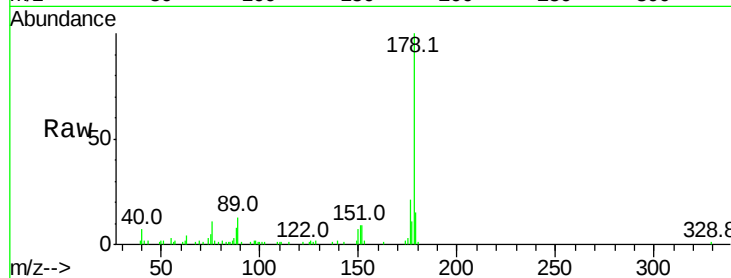
#71
 Anthracene
 Concen: 2.711 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: BF098048.D
 Acq: 25 Aug 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :
 IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.8	23.8
179	15.0	12.7	19.1

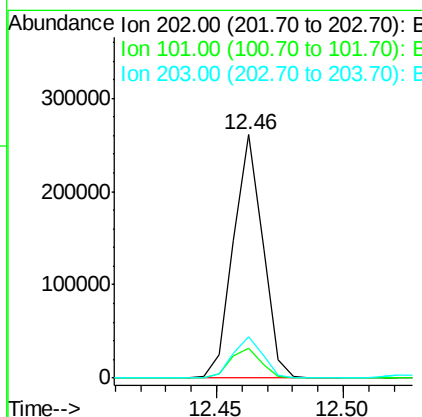
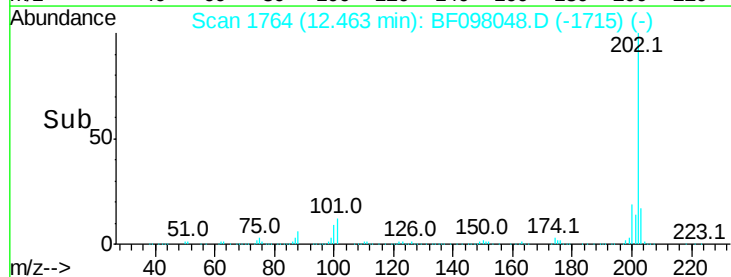
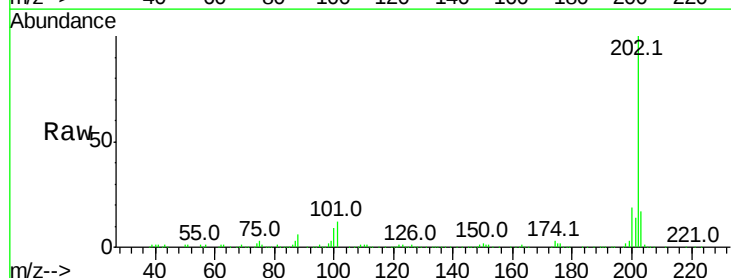
Manual Integrations
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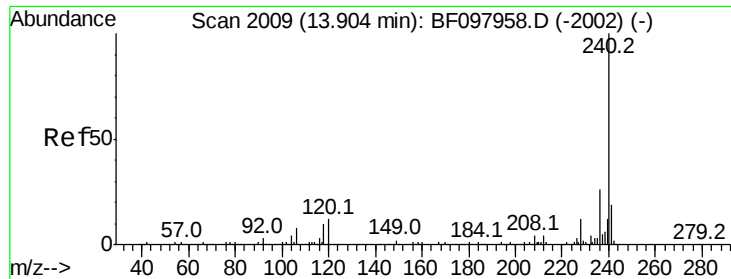
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#74
 Fluoranthene
 Concen: 15.272 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF098048.D
 Acq: 25 Aug 2017 23:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Instrument :

BNA_F

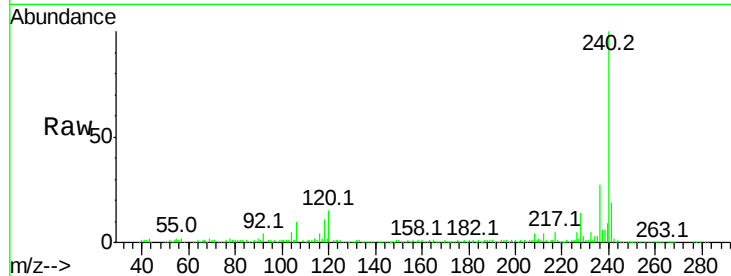
ClientSampleId :

IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	248102		
120	14.5	5.8	8.8#	
236	26.9	20.5	30.7	

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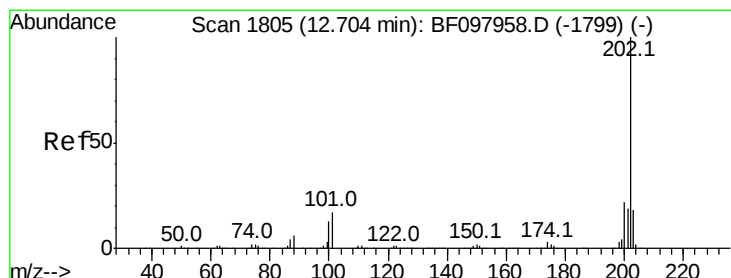
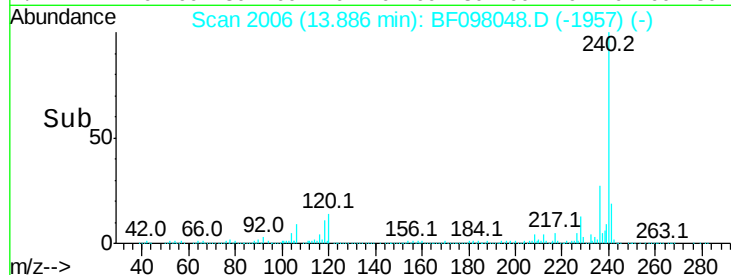
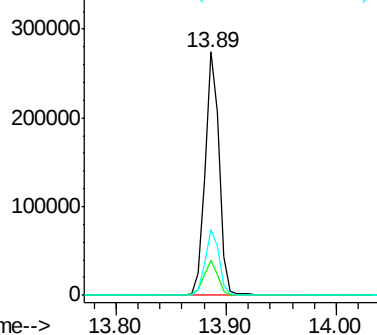
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.507 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098048.D

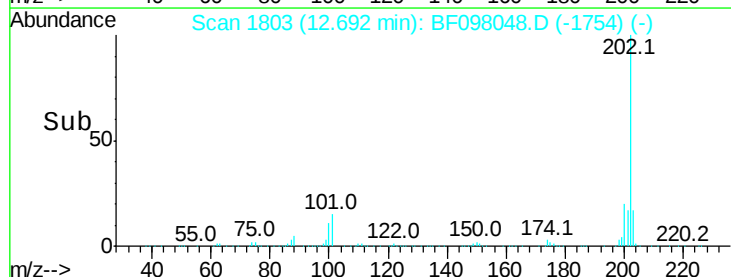
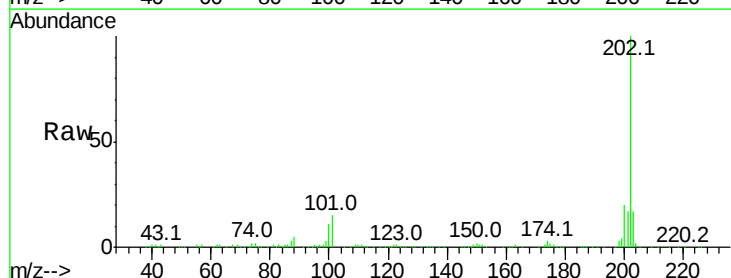
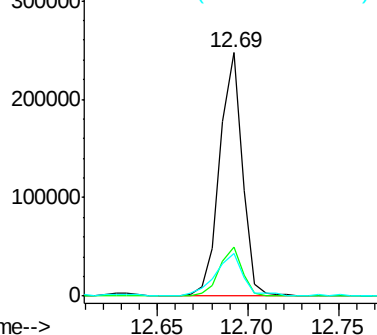
Acq: 25 Aug 2017 23:35

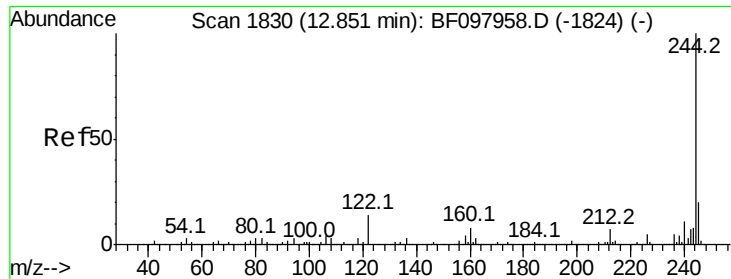
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	213204		
200	20.3	17.6	26.4	
203	17.3	14.4	21.6	

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: 44.652 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Instrument :

BNA_F

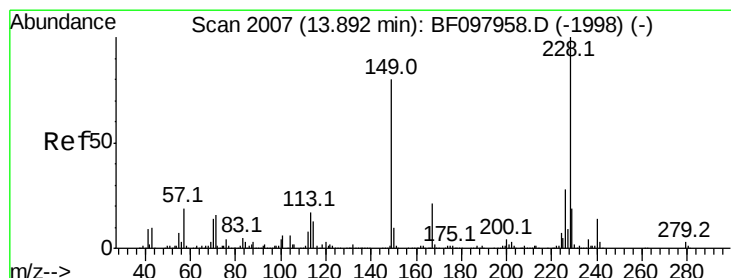
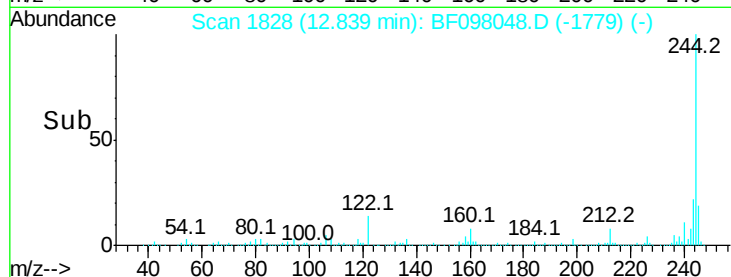
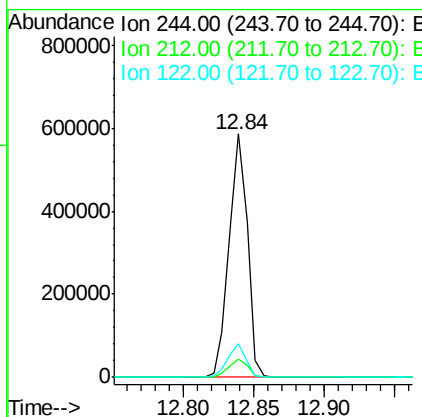
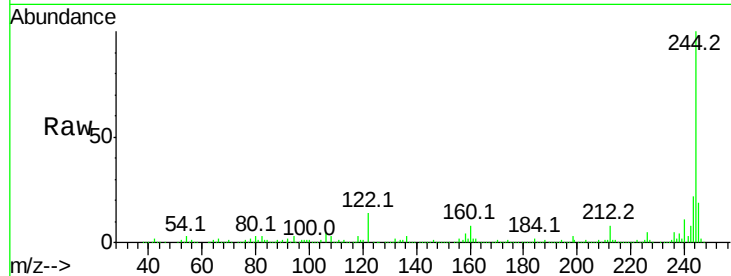
ClientSampleId :

IRON-LEAF-TOPSOIL

Tot Ion:	244	Resp:	531249
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	13.9	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 7.676 ng

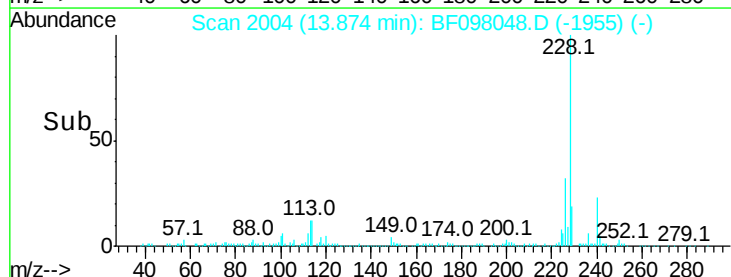
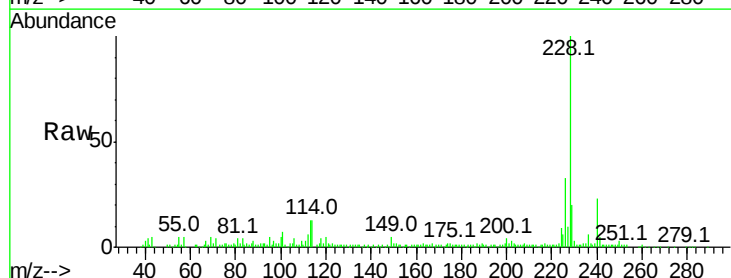
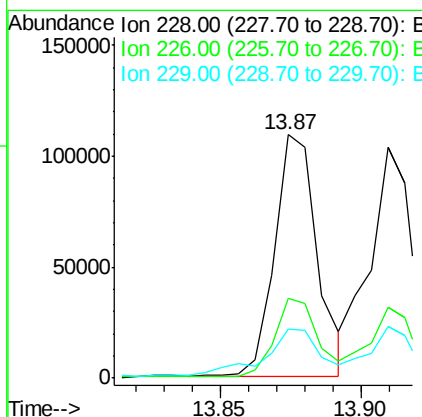
RT: 13.87 min Scan# 2004

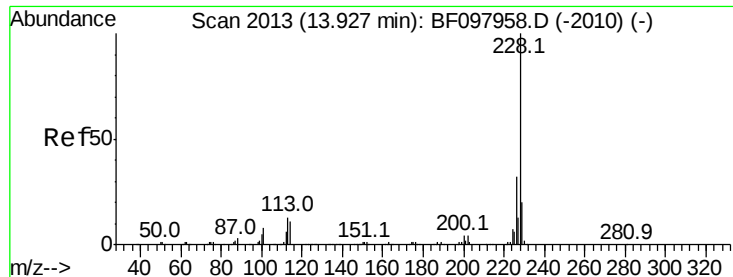
Delta R.T. -0.01 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Tgt Ion:	228	Resp:	114133
Ion Ratio	Lower	Upper	
228	100		
226	33.0	22.6	33.8
229	20.4	16.3	24.5





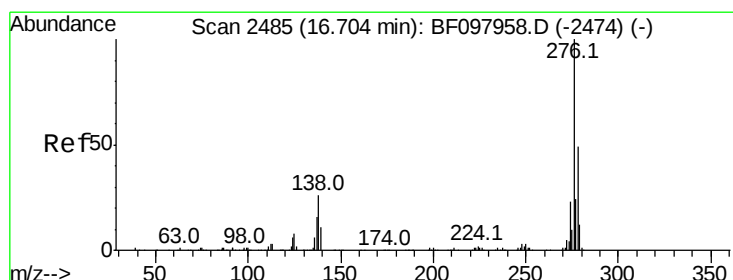
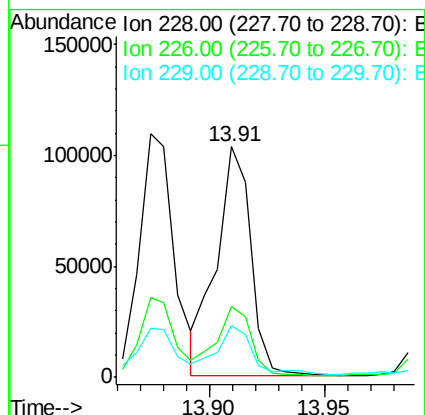
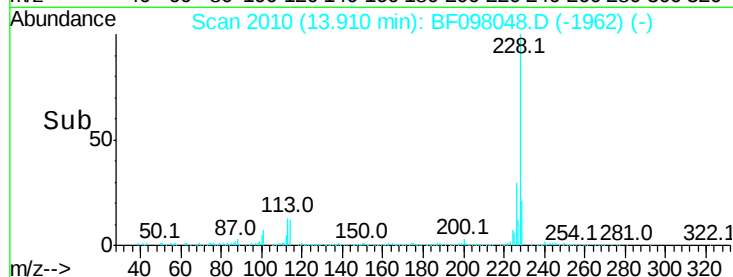
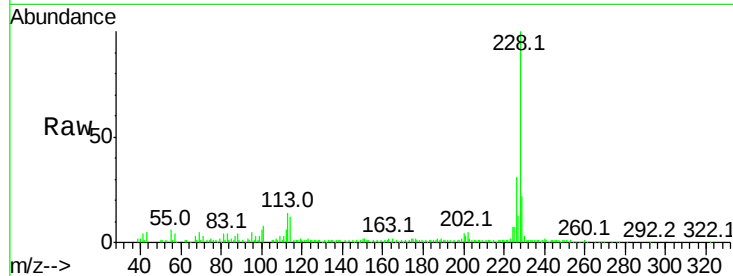
#82
Chrysene
Concen: 7.213 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOIL

Tot Ion:	228	Resp:	106690
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.2	15.8	23.6

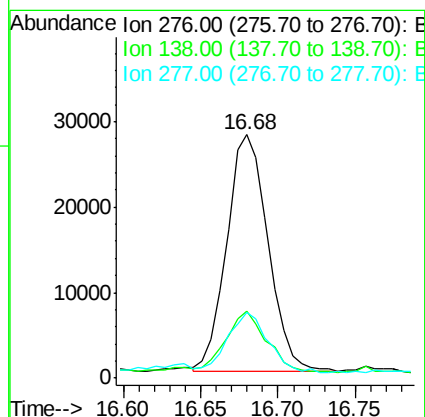
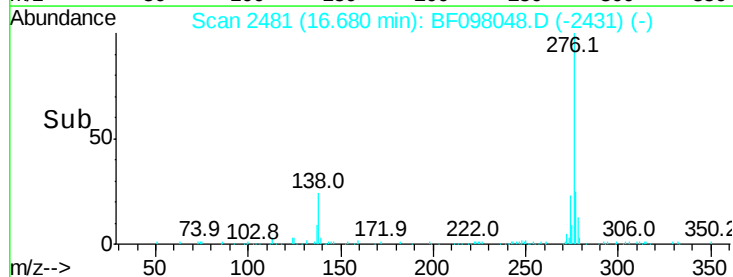
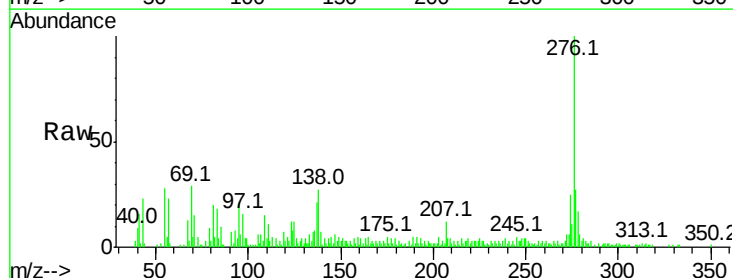
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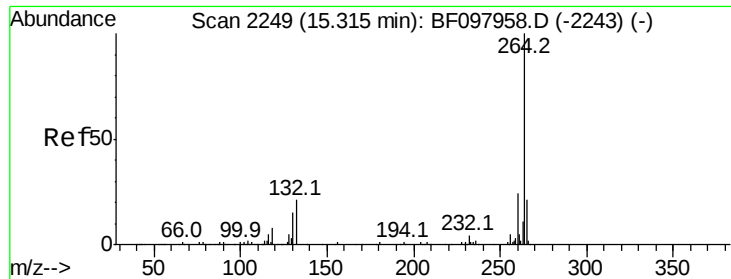
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.742 ng m
RT: 16.68 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Tgt Ion:	276	Resp:	51596
Ion Ratio	Lower	Upper	
276	100		
138	7.5	27.8	41.6#
277	5.1	20.2	30.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. -0.00 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Instrument :

BNA_F

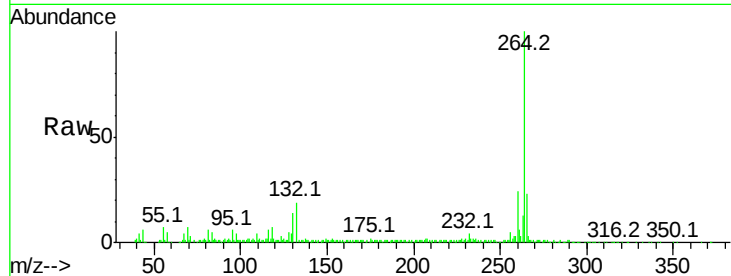
ClientSampleId :

IRON-LEAF-TOPSOIL

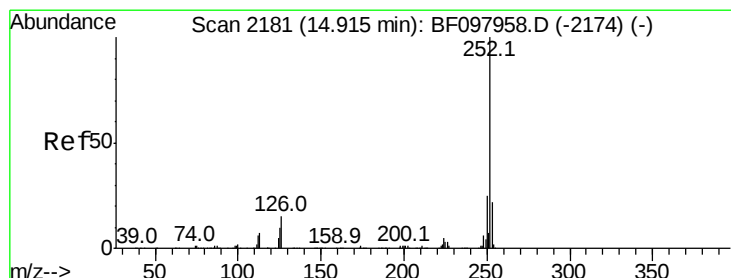
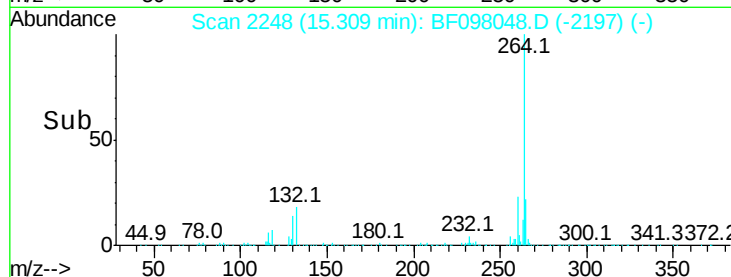
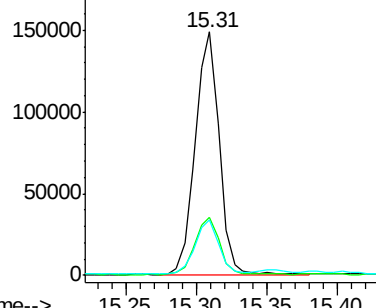
Tot Ion:	264	Resp:	175213
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.8	17.2	25.8

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 12.990 ng m

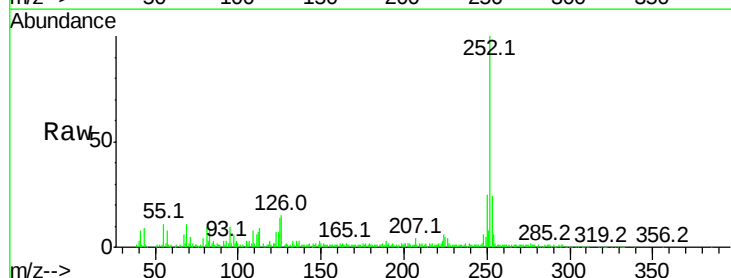
RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

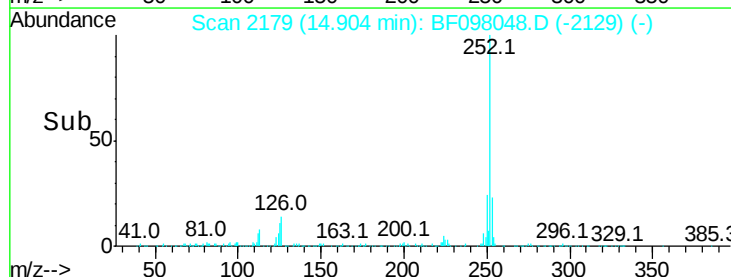
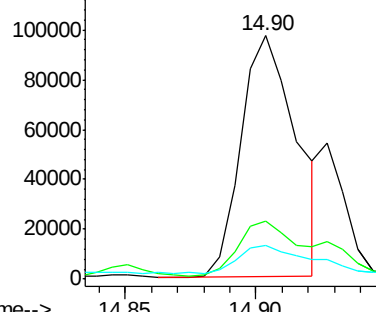
Lab File: BF098048.D

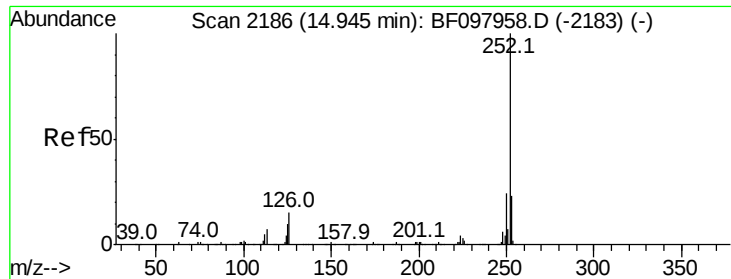
Acq: 25 Aug 2017 23:35

Tgt Ion:	252	Resp:	143470
Ion Ratio		Lower	Upper
252	100		
253	23.9	18.1	27.1
125	13.6	9.8	14.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





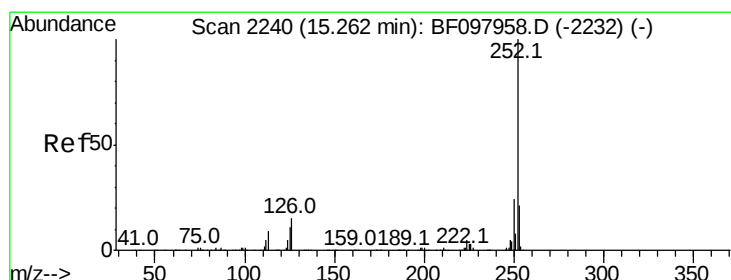
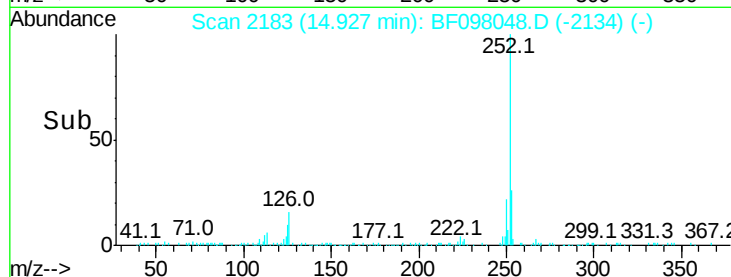
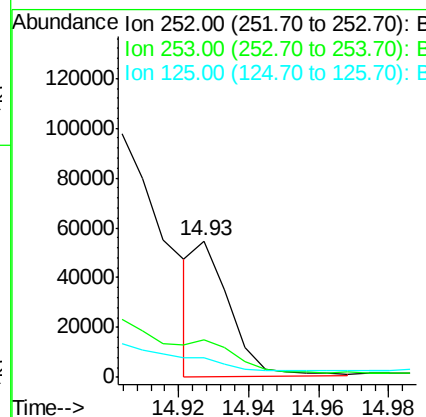
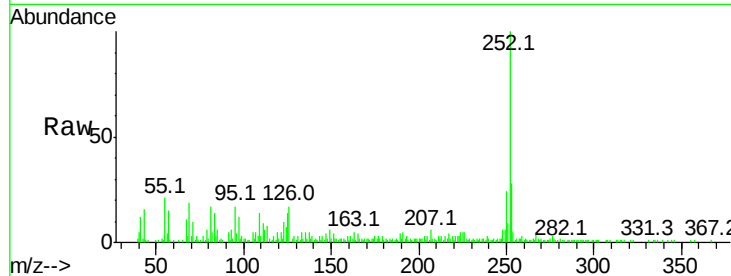
#88
Benzo(k)fluoranthene
Concen: 3.675 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.4	27.6#
125	14.3	13.1	19.7

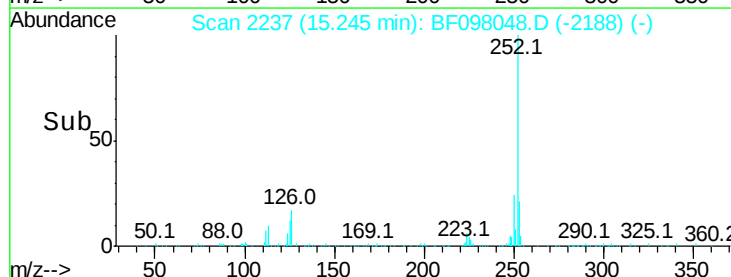
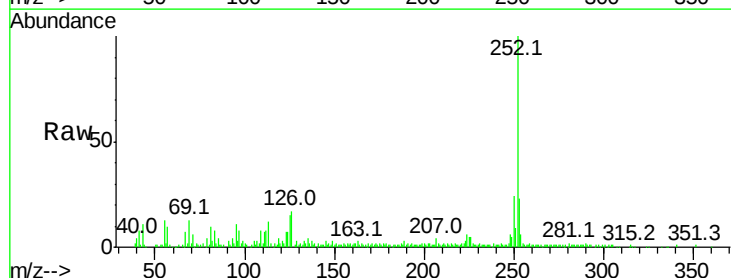
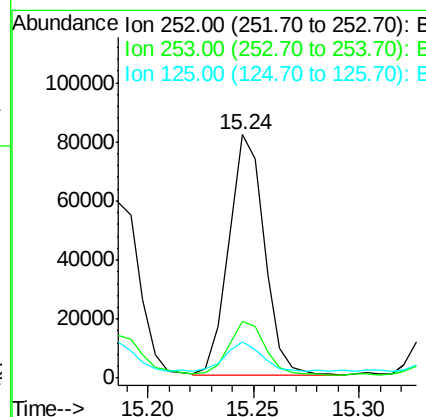
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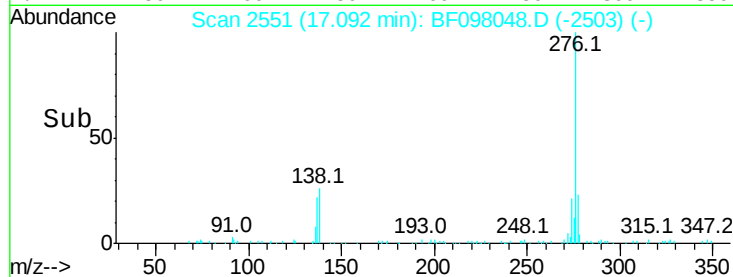
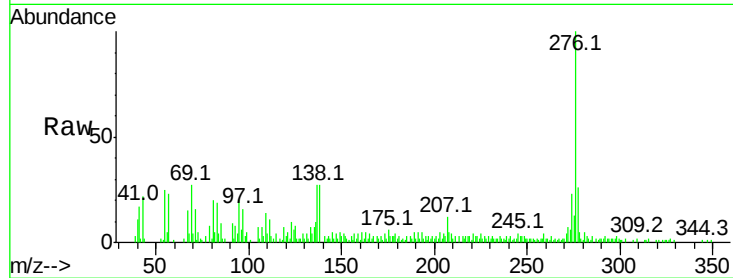
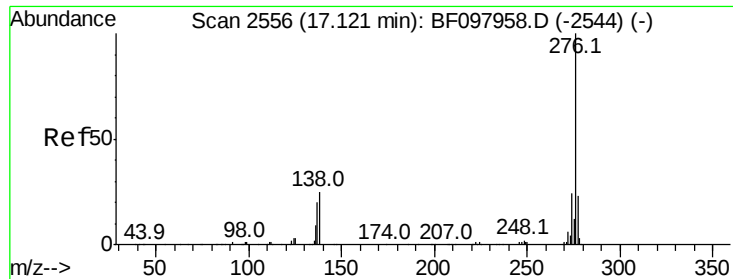
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#89
Benzo(a)pyrene
Concen: 9.764 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF098048.D
Acq: 25 Aug 2017 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	14.7	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 6.351 ng

RT: 17.09 min Scan# 2551

Delta R.T. -0.02 min

Lab File: BF098048.D

Acq: 25 Aug 2017 23:35

Instrument :

BNA_F

ClientSampleId :

IRON-LEAF-TOPSOIL

Tot Ion:	276	Resp:	52750
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.6	28.0
138	27.1	25.4	38.0

Manual Integrations
APPROVED

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