

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
 Data File : BF121861.D
 Acq On : 6 Oct 2020 19:33
 Operator : JU/CG
 Sample : L4248-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NP-SOIL

Manual Integrations
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mohammad
 10/7/2020 10:41:11 AM

Quant Time: Oct 07 00:54:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	110735	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	397456	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	170467	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	275756	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	280275	20.00	ng	-0.01
86) Perylene-d12	15.36	264	246580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	124928	16.77	ng	0.00
7) Phenol-d6	6.40	99	158090	16.17	ng	-0.01
23) Nitrobenzene-d5	7.33	82	99635	13.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	26674	12.59	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	173730	15.44	ng	-0.01
79) Terphenyl-d14	12.86	244	139322	10.07	ng	-0.02
Target Compounds						
71) Phenanthrene	11.30	178	33467	2.228	ng	98
75) Fluoranthene	12.49	202	104875	6.539	ng	99
78) Pyrene	12.72	202	96526	4.714	ng	98
81) Benzo(a)anthracene	13.91	228	70177	3.958	ng	97
83) Chrysene	13.95	228	65170	3.630	ng	98
87) Indeno(1,2,3-cd)pyrene	16.78	276	33841	2.107	ng	97
88) Benzo(b)fluoranthene	14.95	252	83334m	5.055	ng	
89) Benzo(k)fluoranthene	14.97	252	32578m	2.158	ng	
90) Benzo(a)pyrene	15.30	252	56850	4.057	ng	# 91
92) Benzo(g,h,i)perylene	17.20	276	29885	2.274	ng	94

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

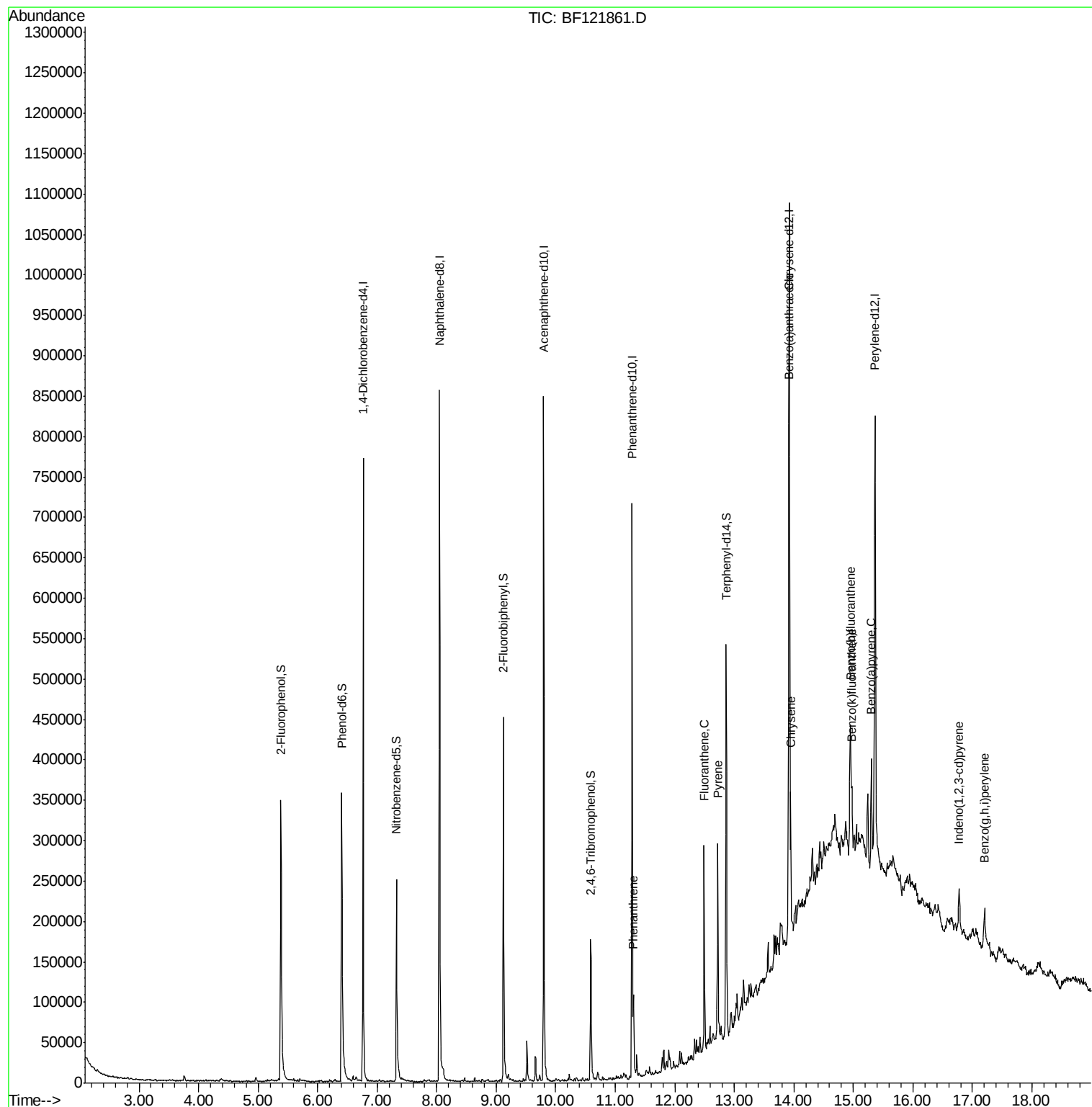
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121861.D
Acq On : 6 Oct 2020 19:33
Operator : JU/CG
Sample : L4248-02 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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Quant Time: Oct 07 00:54:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

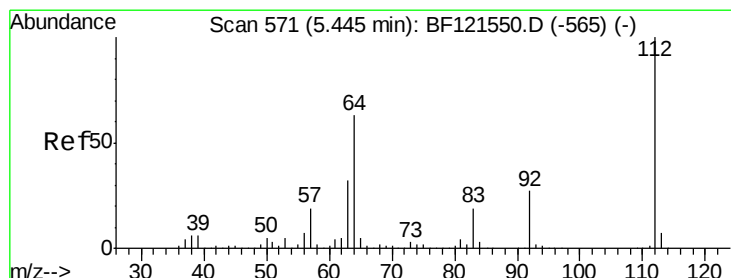
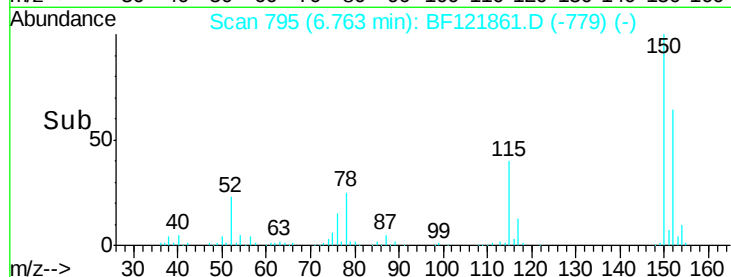
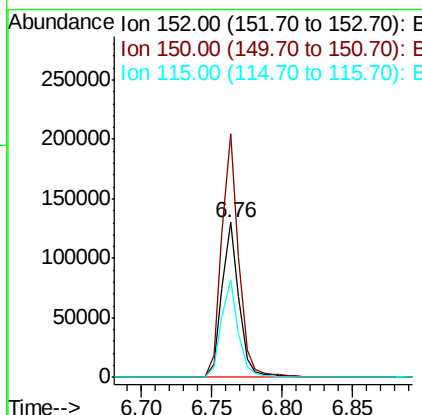
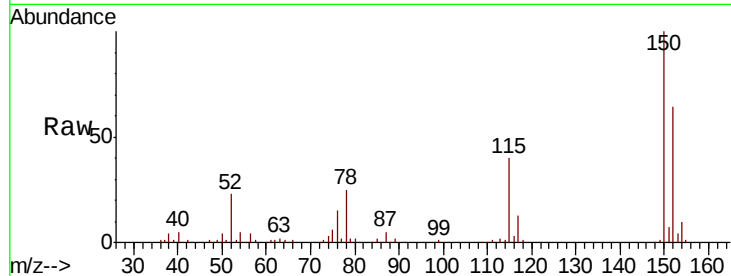
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampled :
NP-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.3	187.9
115	62.9	51.9	77.9

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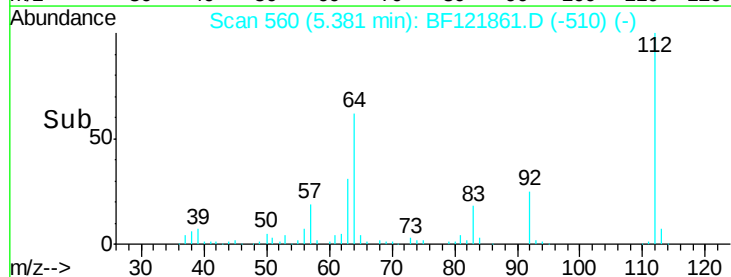
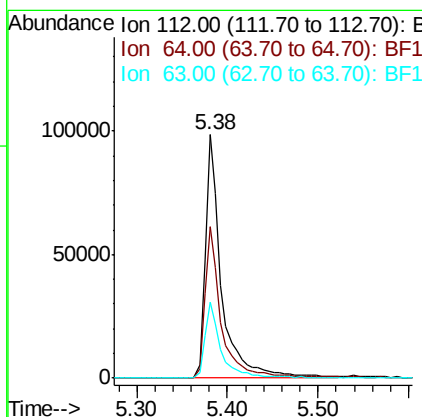
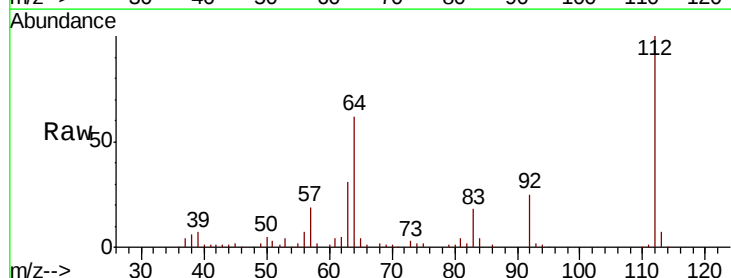
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#5

2-Fluorophenol
Concen: 16.766 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	50.4	75.6
63	31.3	25.8	38.6





#7

Phenol-d6

Concen: 16.172 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121861.D

Acq: 6 Oct 2020 19:33

Instrument :

BNA_F

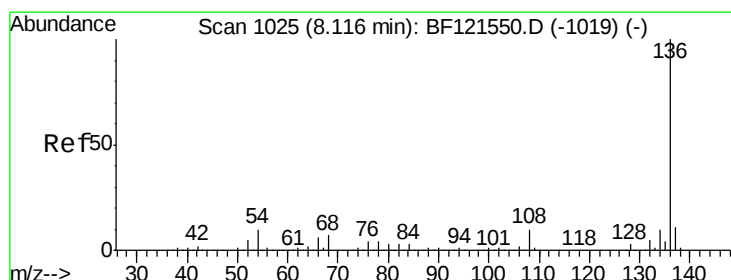
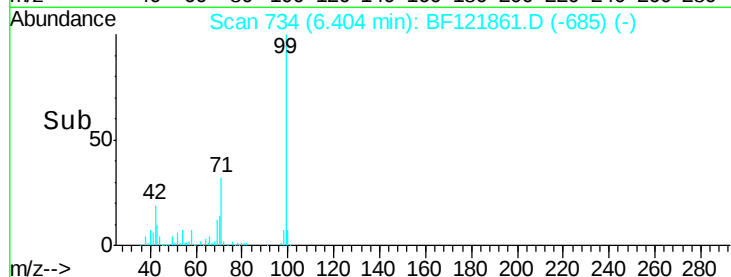
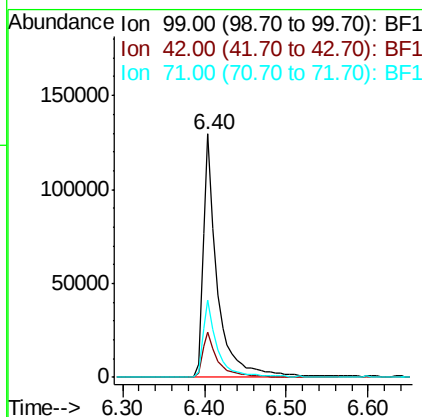
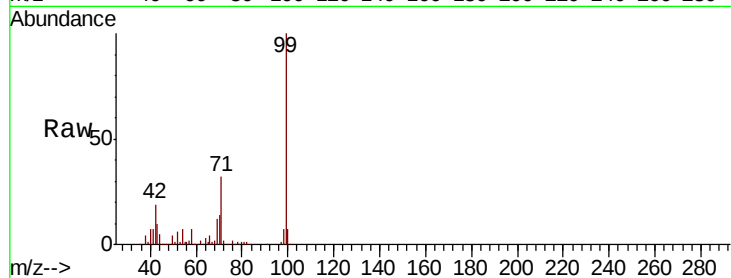
ClientSampleId :

NP-SOIL

Tot Ion:	99	Resp:	158090
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.9	23.9
71	31.9	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

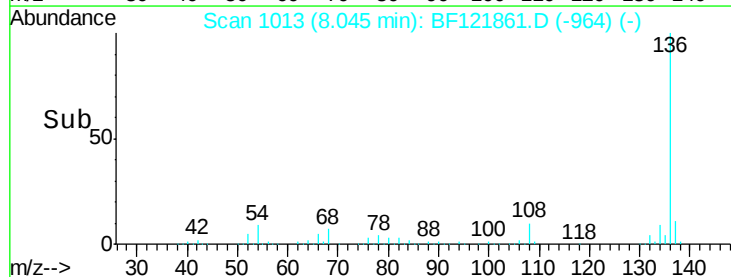
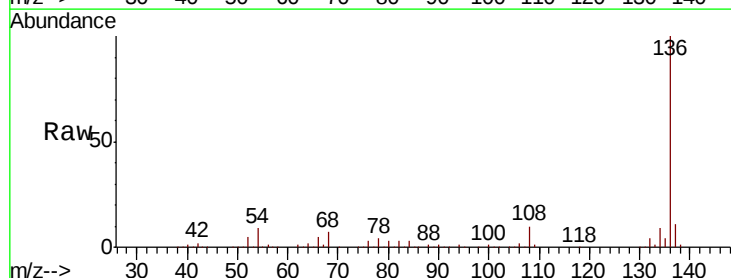
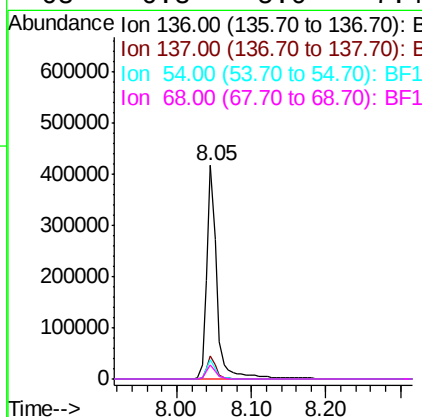
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121861.D

Acq: 6 Oct 2020 19:33

Tgt Ion:	136	Resp:	397456
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	9.3	7.1	10.7
68	6.8	5.0	7.4





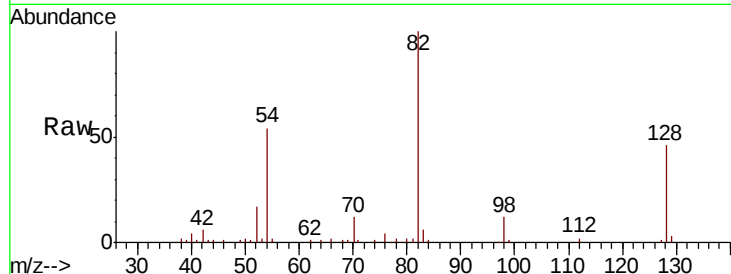
#23
Nitrobenzene-d5
Concen: 13.460 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampled :
NP-SOIL

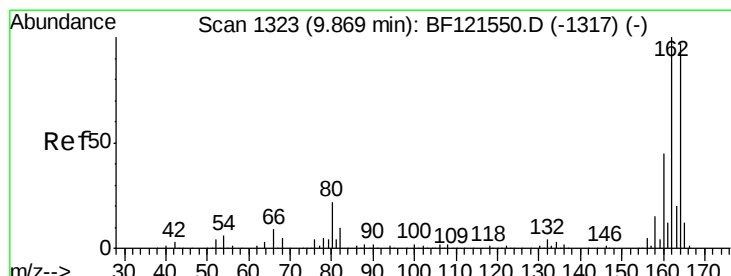
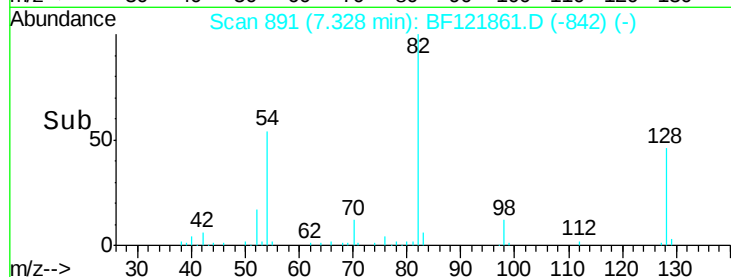
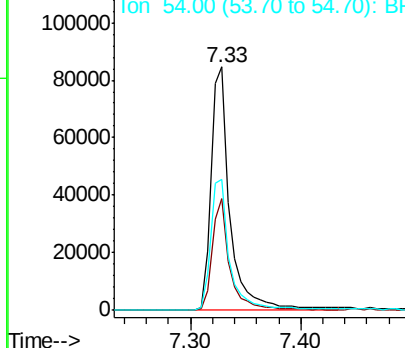
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.0	52.4
54	53.8	43.9	65.9

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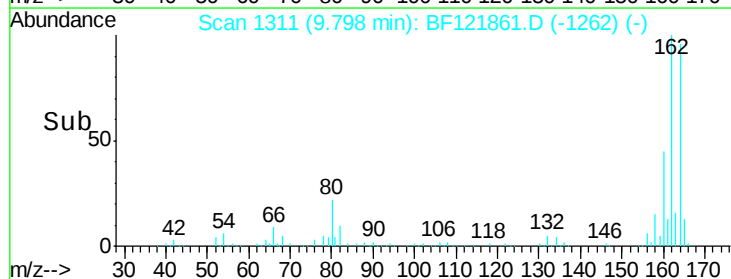
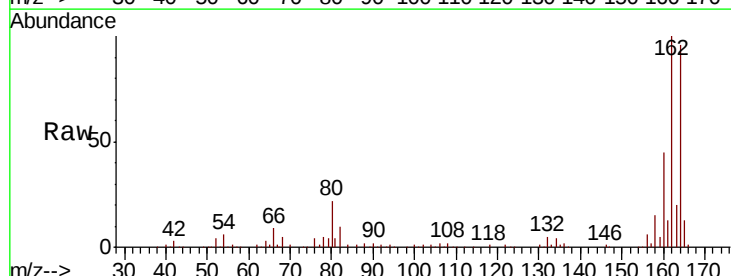
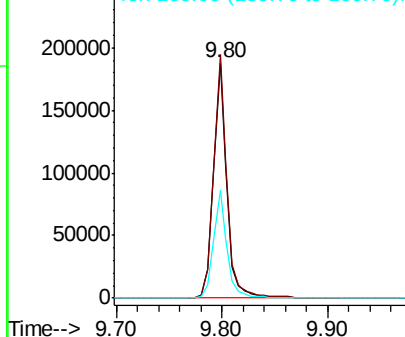
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.2	124.8
160	46.2	37.5	56.3

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





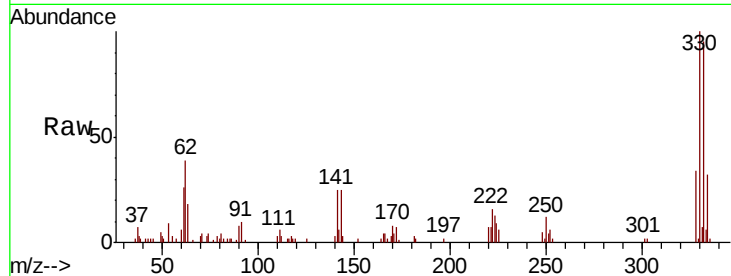
#42
 2,4,6-Tribromophenol
 Concen: 12.590 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121861.D
 Acq: 6 Oct 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 NP-SOIL

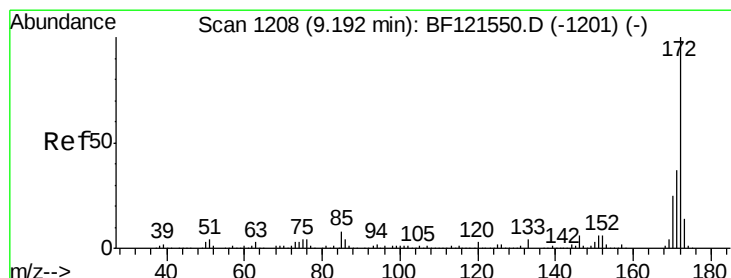
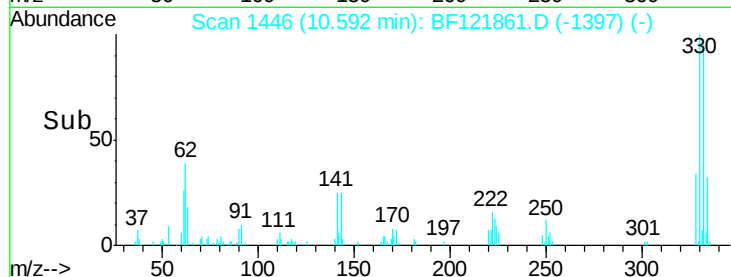
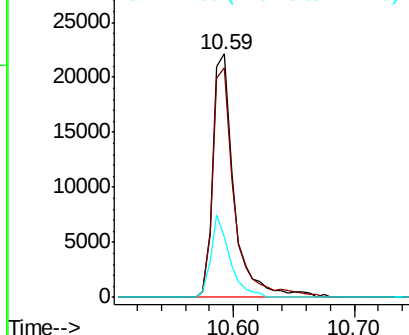
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	30.0	22.3	33.5

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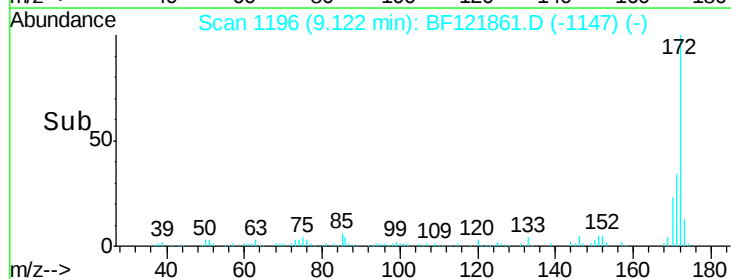
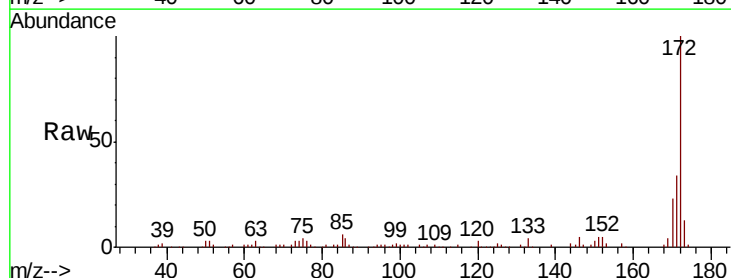
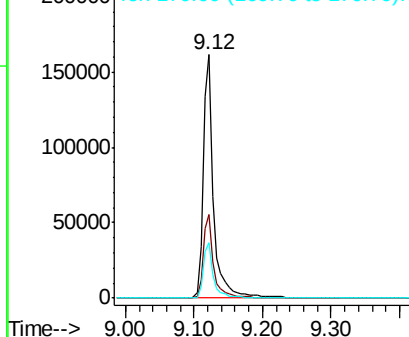
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

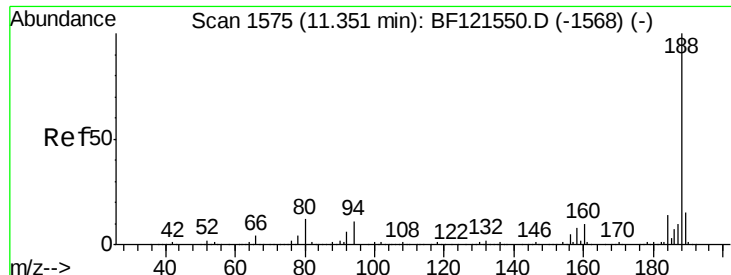


#45
 2-Fluorobiphenyl
 Concen: 15.435 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121861.D
 Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.1	43.7
170	22.8	19.8	29.6

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





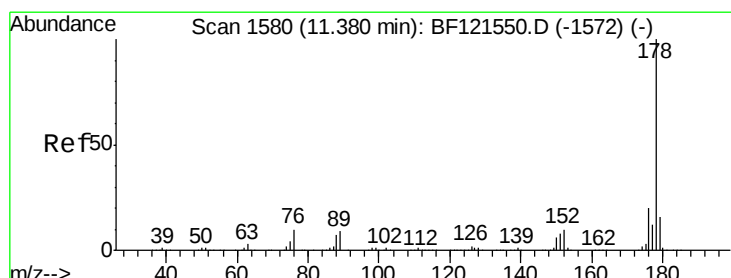
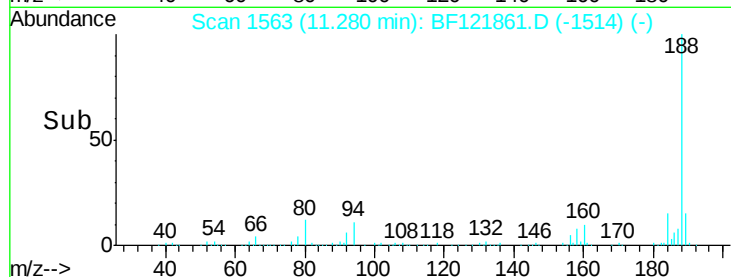
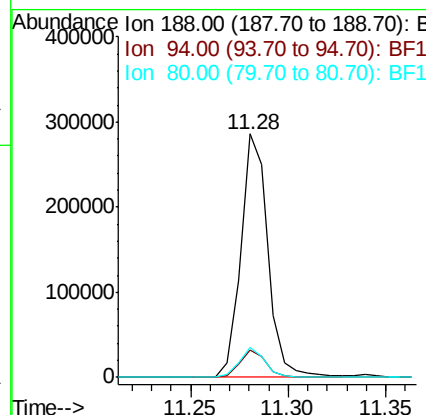
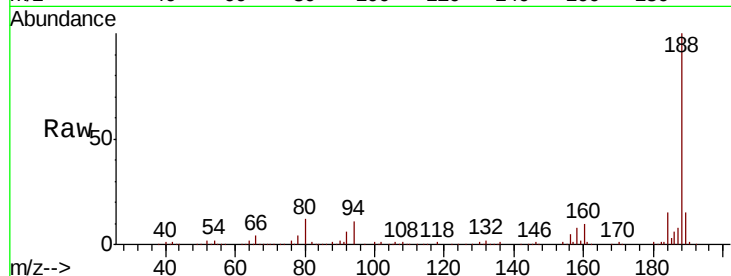
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampleId :
NP-SOIL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	8.3	12.5
80	12.0	9.1	13.7

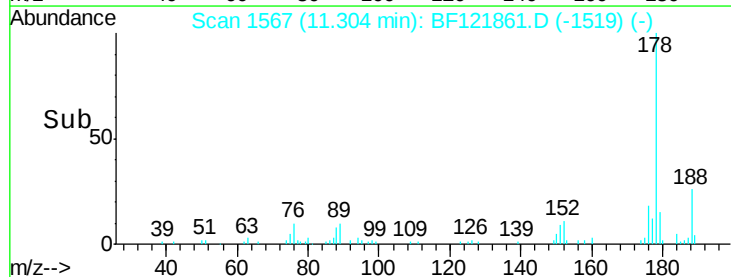
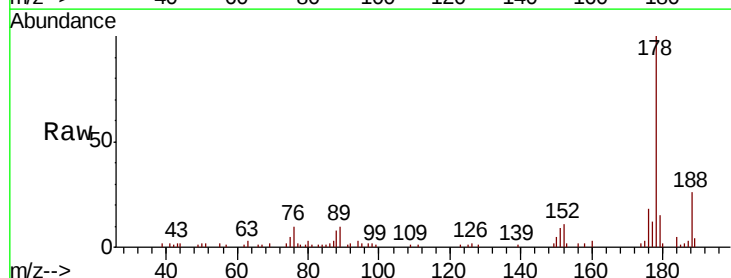
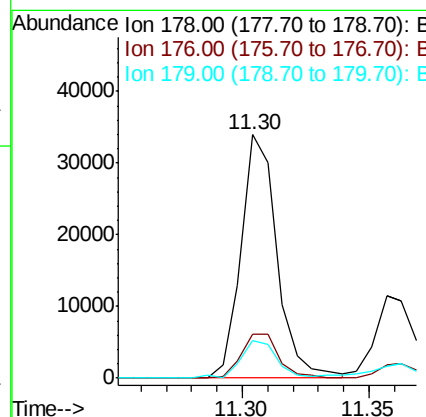
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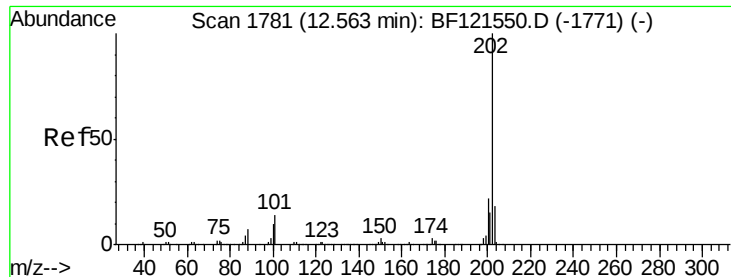
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#71
Phenanthrene
Concen: 2.228 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	15.9	23.9
179	15.2	12.2	18.4





#75

Fluoranthene

Concen: 6.539 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121861.D

Acq: 6 Oct 2020 19:33

Instrument :

BNA_F

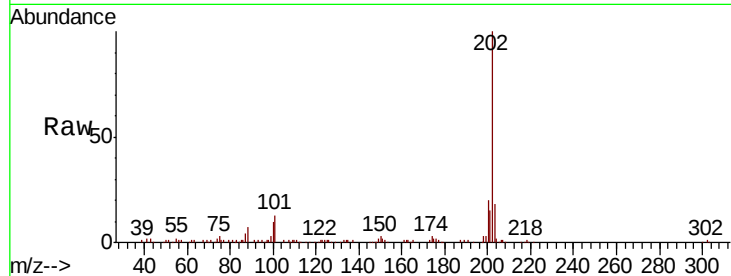
ClientSampleId :

NP-SOIL

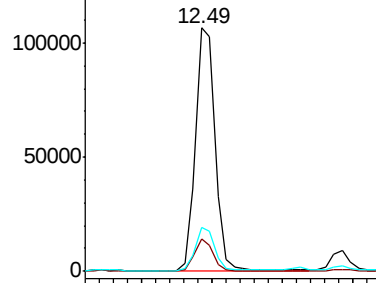
Tot Ion:	202	Resp:	104875
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.4
203	18.3	0.0	37.9

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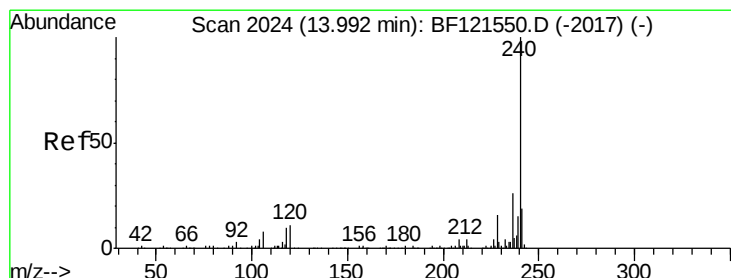
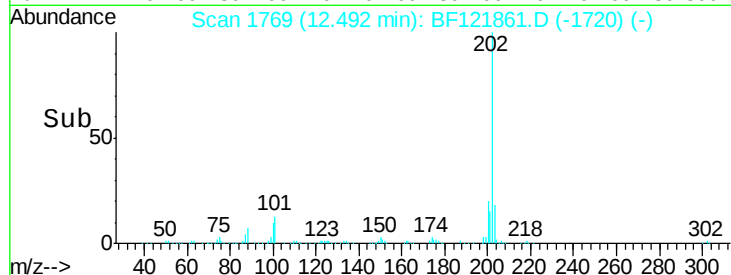
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

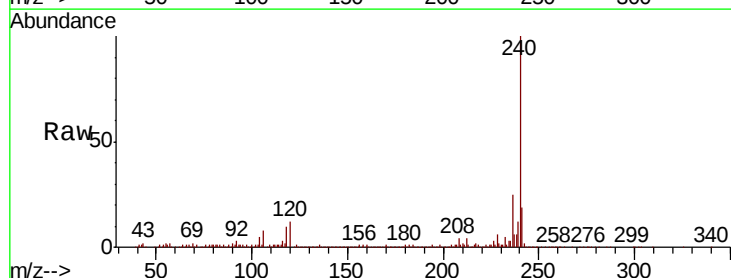
RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

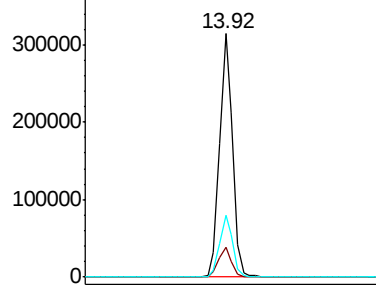
Lab File: BF121861.D

Acq: 6 Oct 2020 19:33

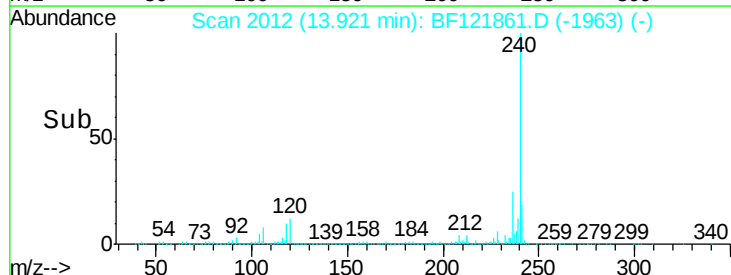
Tgt Ion:	240	Resp:	280275
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.2	13.8
236	25.4	20.9	31.3

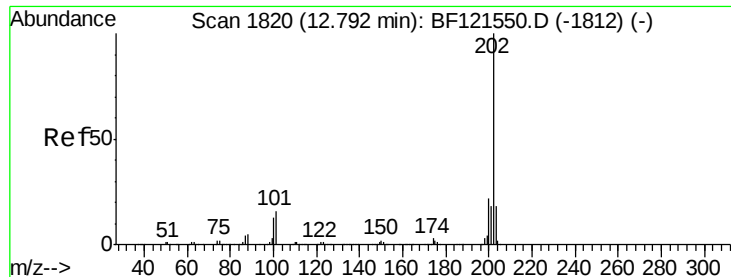


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Pvrene

Concen: 4.714 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF121861.D

Acq: 6 Oct 2020 19:33

Instrument :

BNA_F

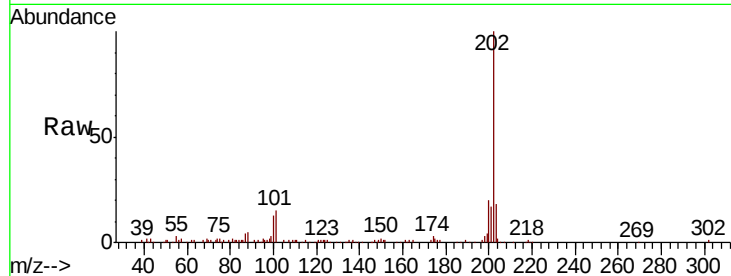
ClientSampleId :

NP-SOIL

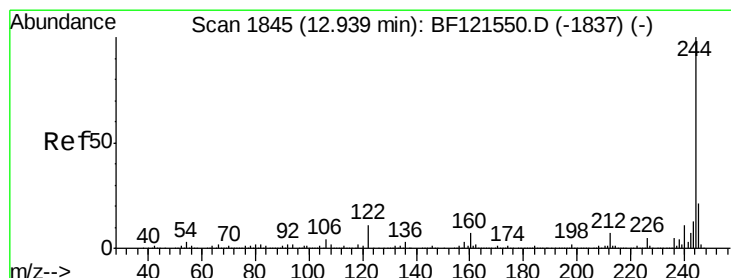
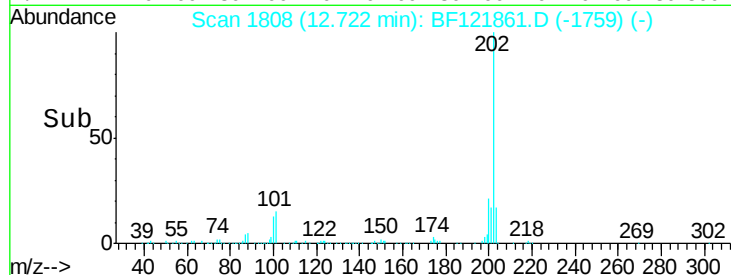
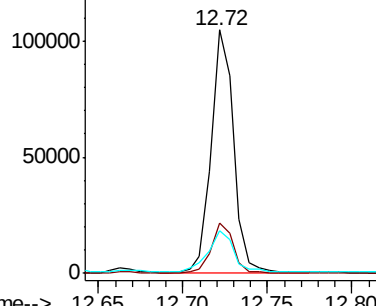
Tot Ion:	202	Resp:	96526
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.6	14.6	21.8

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



#79

Terphenyl-d14

Concen: 10.071 ng

RT: 12.86 min Scan# 1832

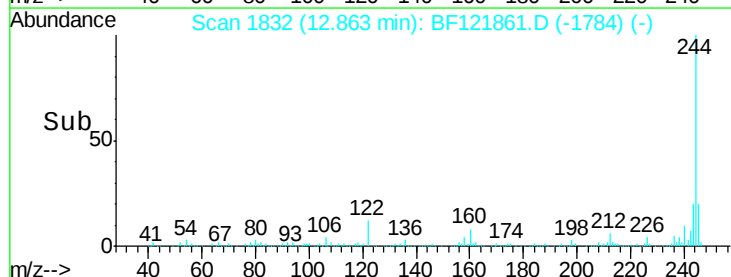
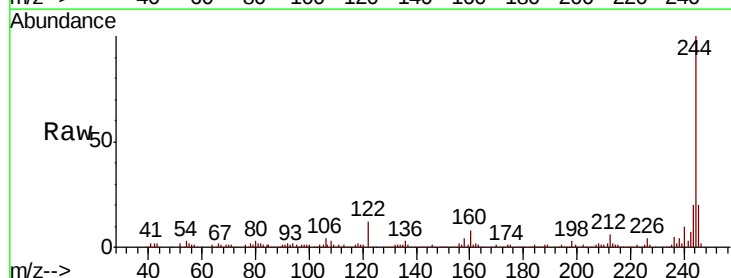
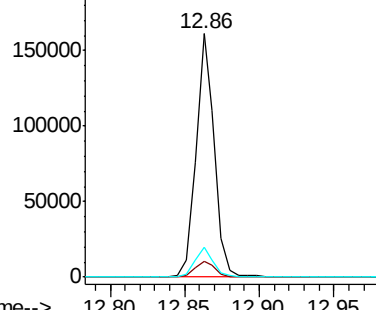
Delta R.T. -0.02 min

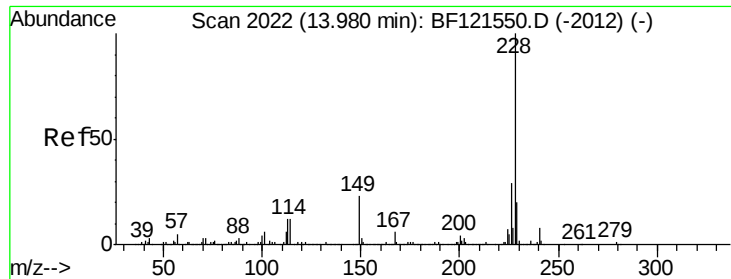
Lab File: BF121861.D

Acq: 6 Oct 2020 19:33

Tgt Ion:	244	Resp:	139322
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.2
122	12.5	8.1	12.1#

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





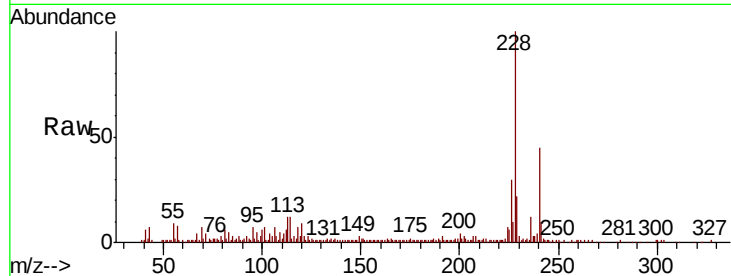
#81
Benzo(a)anthracene
Concen: 3.958 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampleId :
NP-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.3	33.5
229	21.5	16.2	24.4

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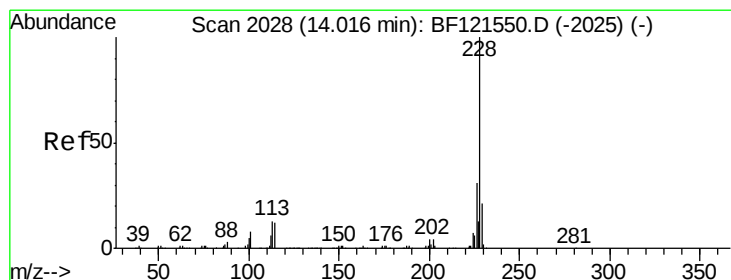
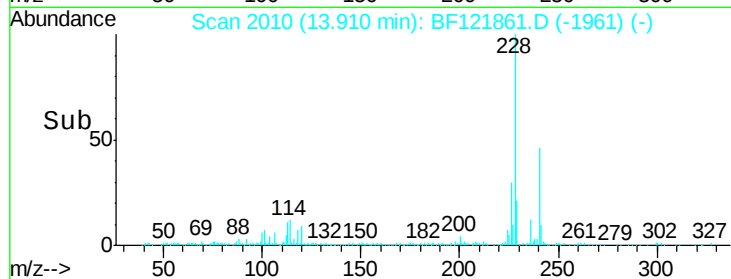
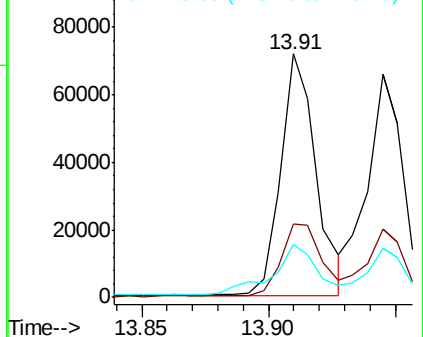


Abundance

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



#83
Chrysene
Concen: 3.630 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

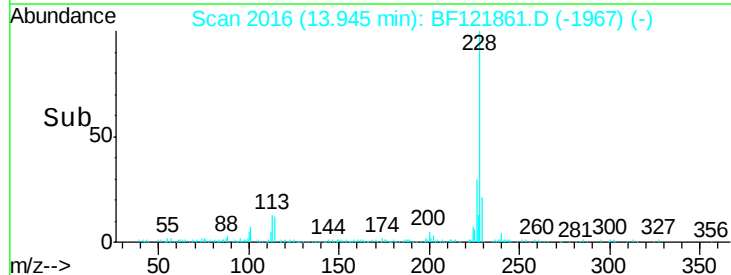
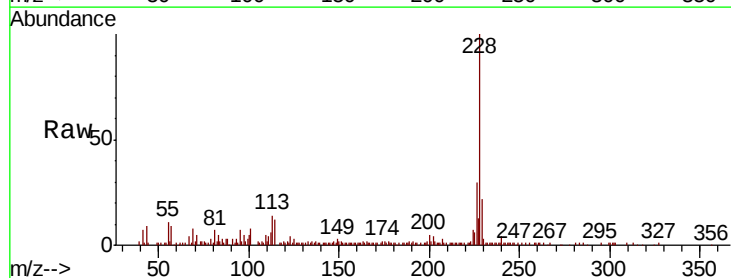
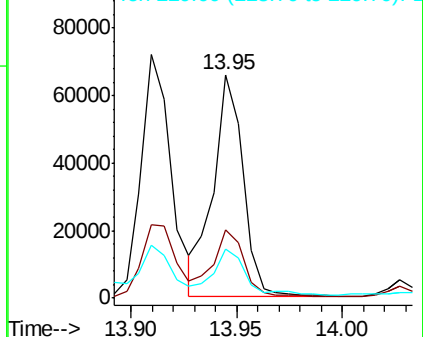
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	22.0	15.9	23.9

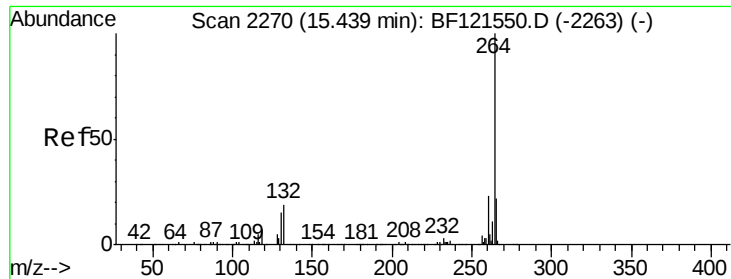
Abundance

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





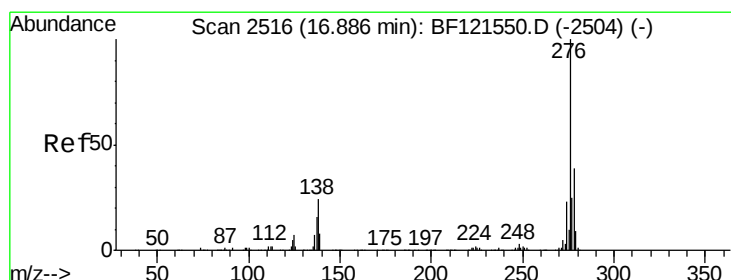
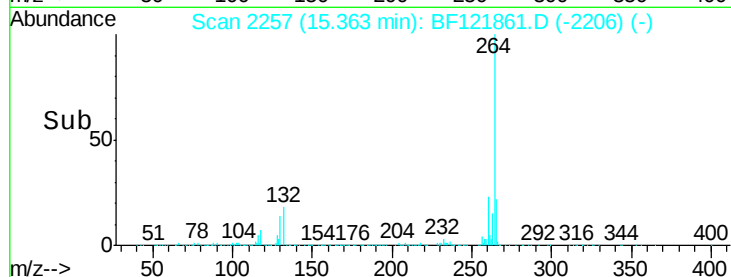
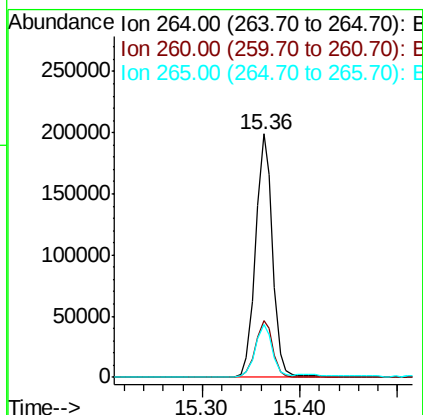
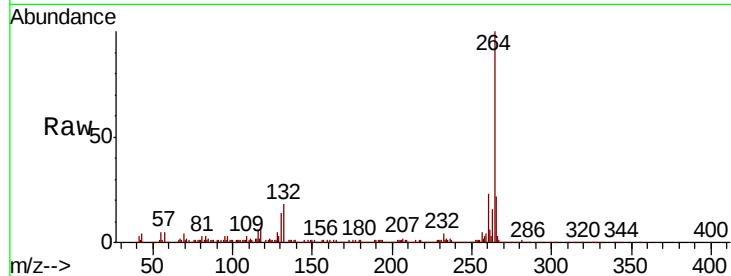
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampled :
NP-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.8	17.3	25.9

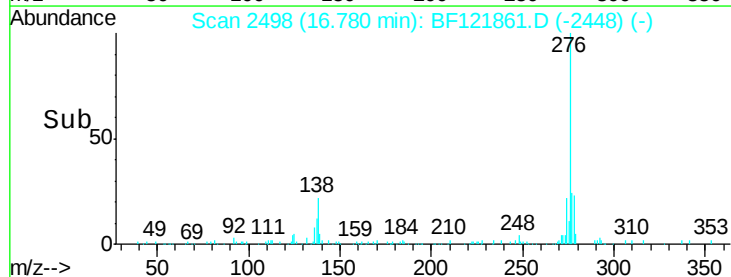
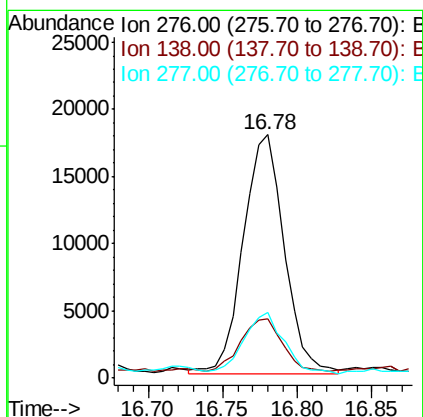
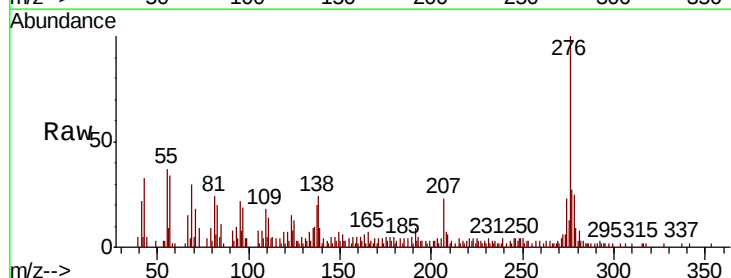
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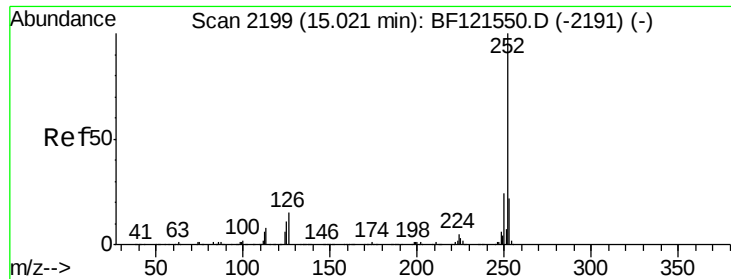
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.107 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.9	29.9
277	25.4	20.4	30.6





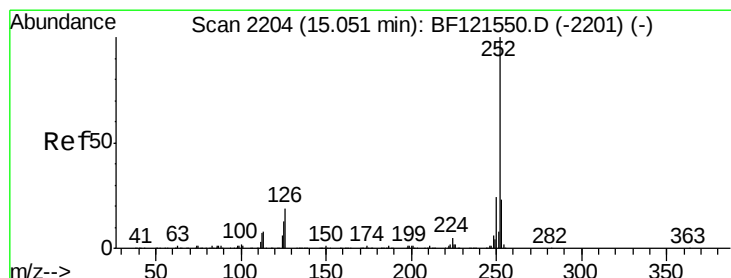
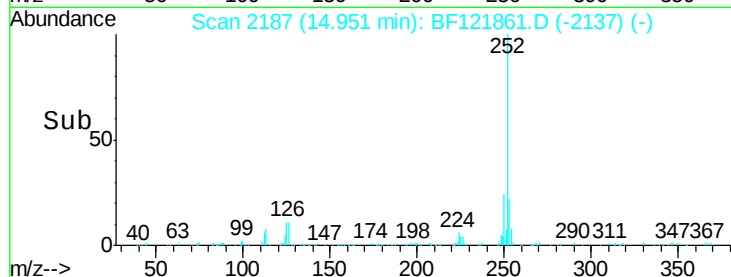
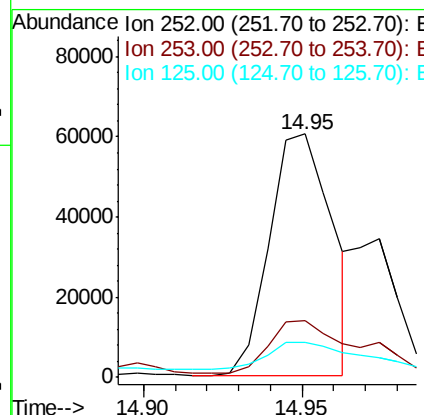
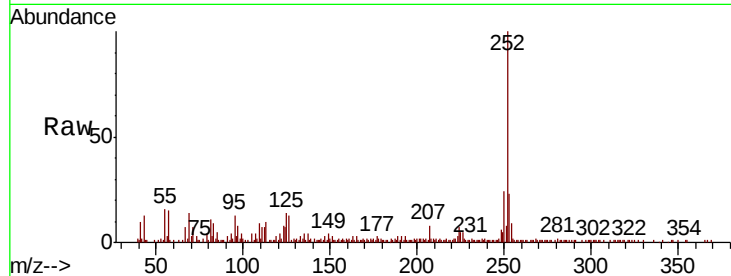
#88
Benzo(b)fluoranthene
Concen: 5.055 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampleId :
NP-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	14.1	8.0	12.0

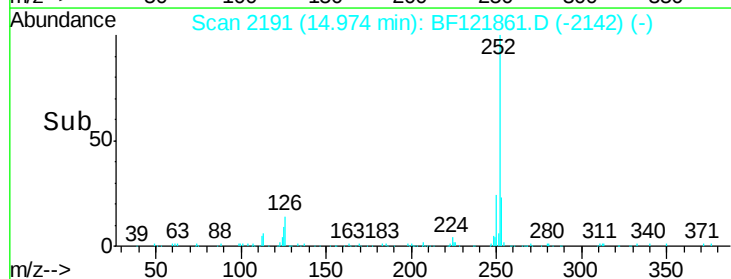
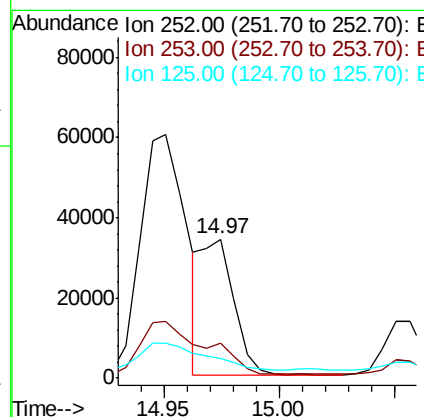
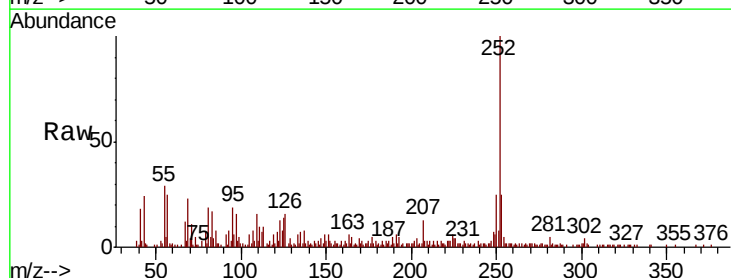
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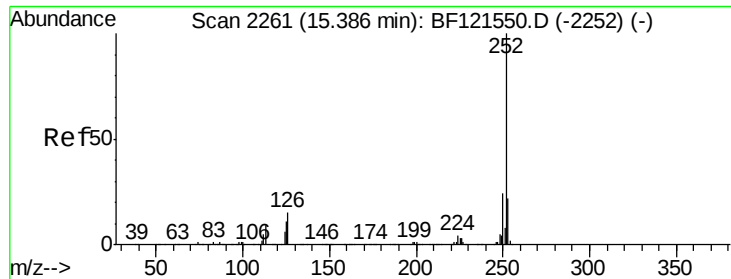
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#89
Benzo(k)fluoranthene
Concen: 2.158 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.6
125	14.4	7.7	11.5





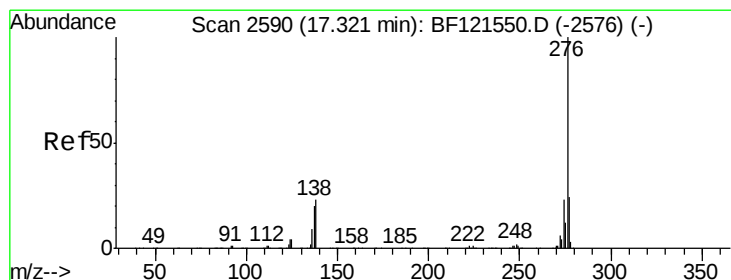
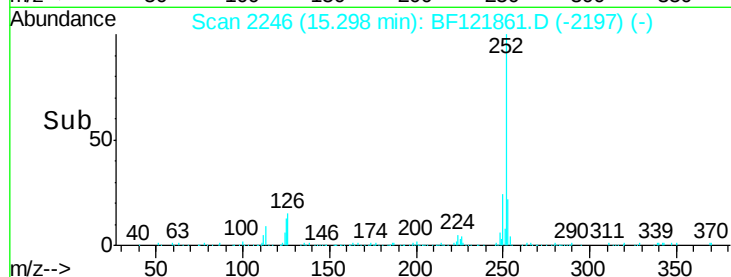
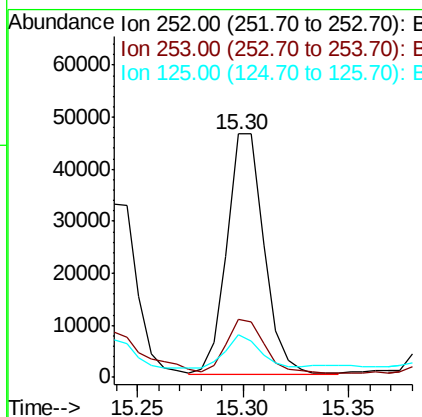
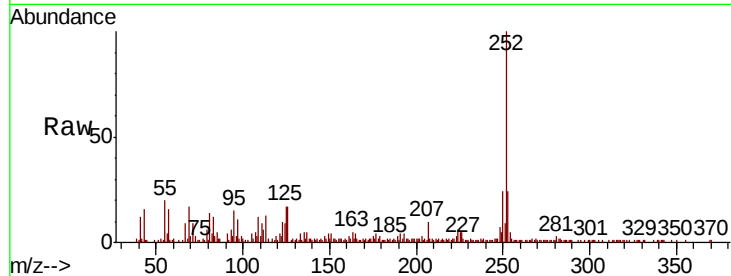
#90
Benzo(a)pyrene
Concen: 4.057 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Instrument :
BNA_F
ClientSampleId :
NP-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	17.3	8.6	13.0

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#92
Benzo(g,h,i)perylene
Concen: 2.274 ng
RT: 17.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BF121861.D
Acq: 6 Oct 2020 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.4	29.2
138	24.9	17.8	26.6

