

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110064.D
 Acq On : 22 Oct 2018 22:08
 Operator : JU/SJ
 Sample : J5606-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Manual Integrations
 APPROVED

Sohil
 10/23/2018 2:18:55 PM

Quant Time: Oct 23 04:42:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	191658	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	699880	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	278725	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	419637	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	327681	20.00	ng	-0.02
87) Perylene-d12	15.67	264	235897	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	963462	79.68	ng	0.00
7) Phenol-d6	6.59	99	1168725	77.84	ng	-0.01
23) Nitrobenzene-d5	7.53	82	733213	70.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	184709	76.54	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	937572	53.67	ng	-0.01
79) Terphenyl-d14	13.09	244	604763	38.76	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	103641	6.394	ng	Qvalue # 69
50) Dimethylphthalate	9.72	163	150323	7.617	ng	100
71) Phenanthrene	11.53	178	158458	7.294	ng	97
74) Di-n-butylphthalate	12.05	149	88859	3.709	ng	97
75) Fluoranthene	12.72	202	275584	12.698	ng	99
78) Pyrene	12.95	202	241103	10.018	ng	99
81) Benzo(a)anthracene	14.13	228	134178	6.952	ng	99
83) Chrysene	14.17	228	113545	6.180	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	46227	3.125	ng	96
88) Benzo(b)fluoranthene	15.22	252	122789m	9.029	ng	
89) Benzo(k)fluoranthene	15.24	252	41178m	3.072	ng	
90) Benzo(a)pyrene	15.60	252	82656	6.608	ng	# 97
92) Benzo(a,h,i)perylene	17.70	276	41750	3.728	ng	# 93

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

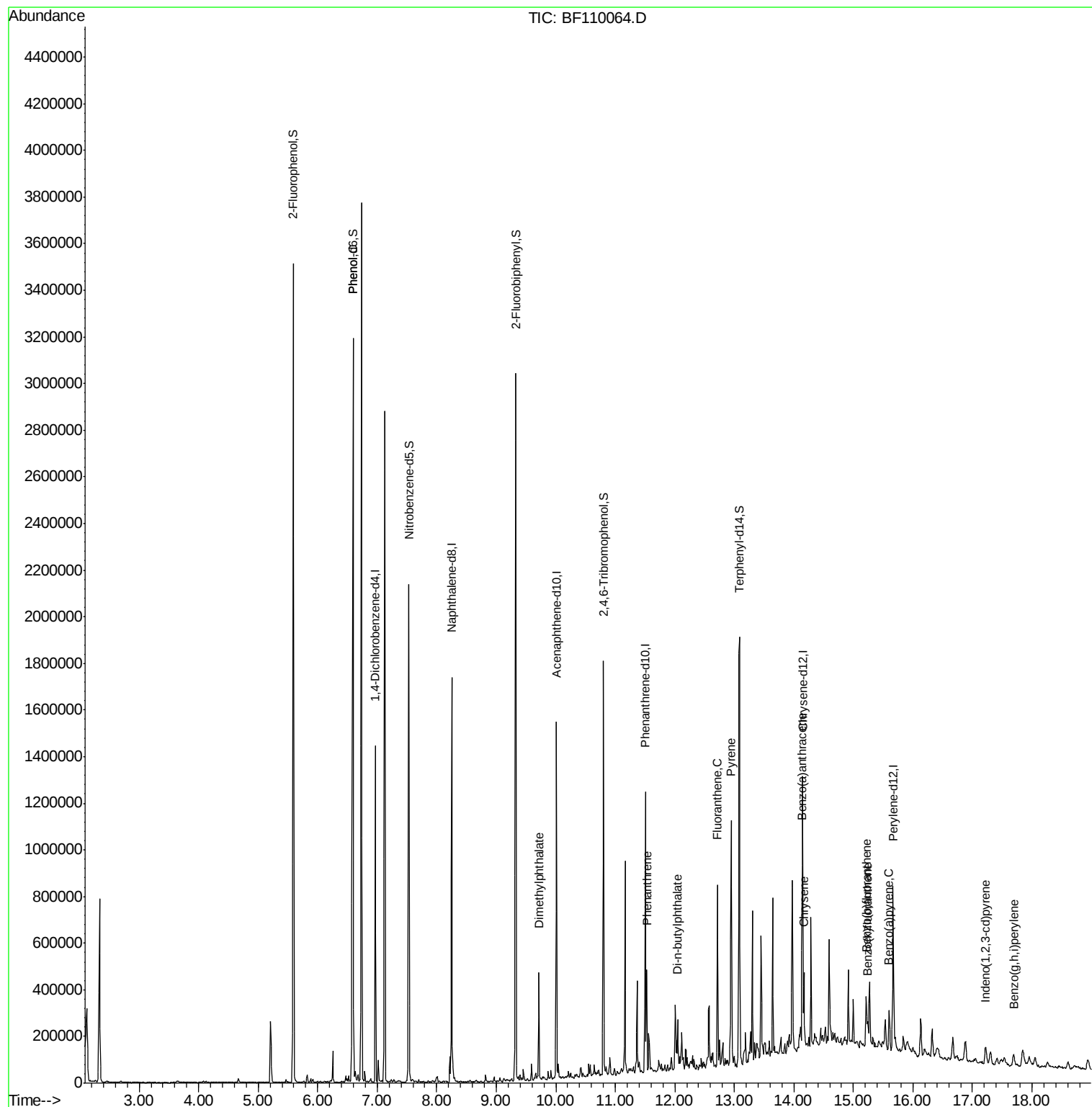
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
Data File : BF110064.D
Acq On : 22 Oct 2018 22:08
Operator : JU/SJ
Sample : J5606-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

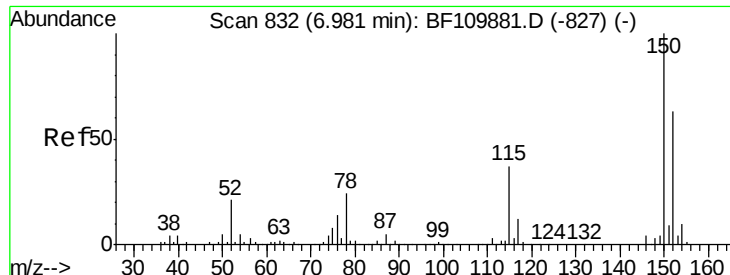
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

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Quant Time: Oct 23 04:42:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

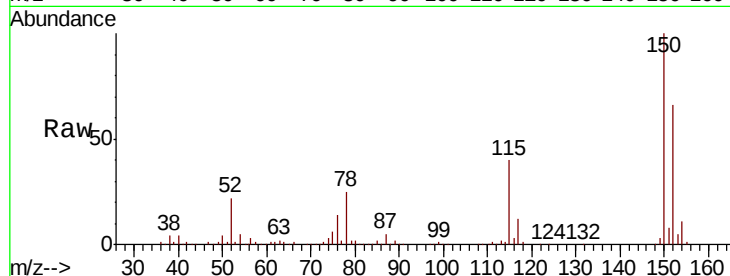
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.7	184.1
115	61.7	49.1	73.7

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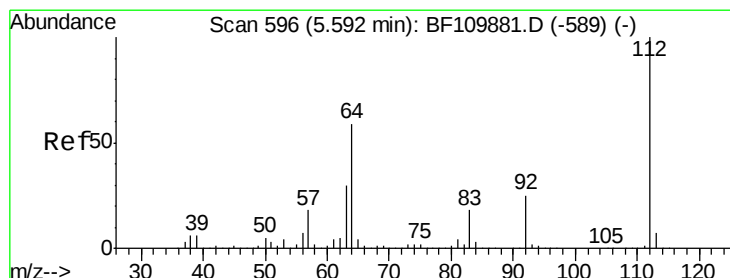
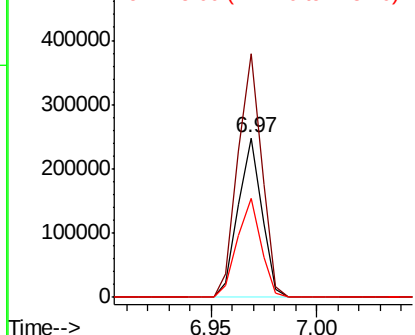
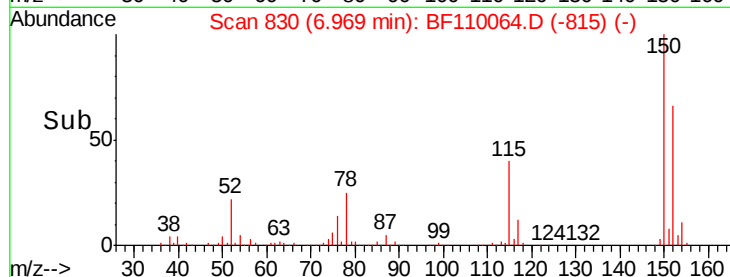


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

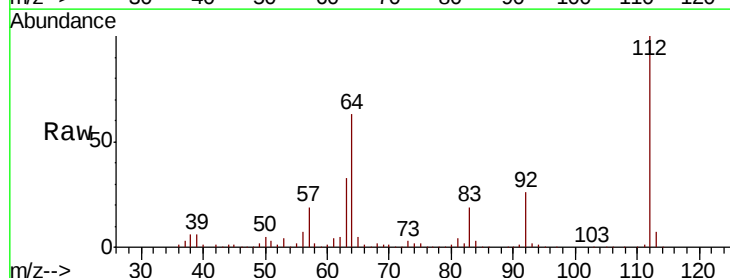
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.685 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	44.1	66.1
63	32.6	23.7	35.5

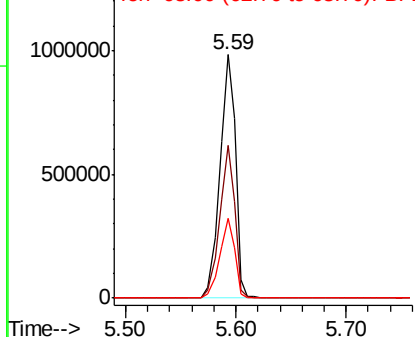
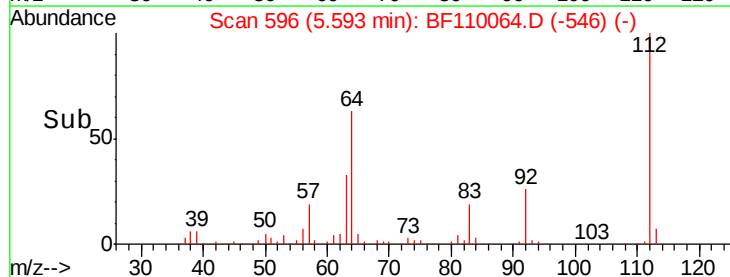


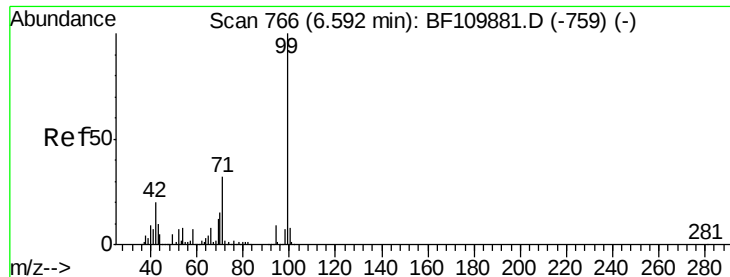
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 77.843 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110064.D

Acq: 22 Oct 2018 22:08

Instrument :

BNA_F

ClientSampled :

SOIL-PILE

Tot Ion: 99 Resp: 1168725

Ion Ratio Lower Upper

99 100

42 18.4 15.8 23.6

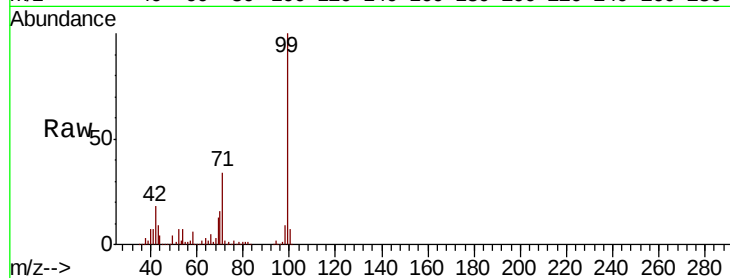
71 33.5 28.0 42.0

Manual Integrations

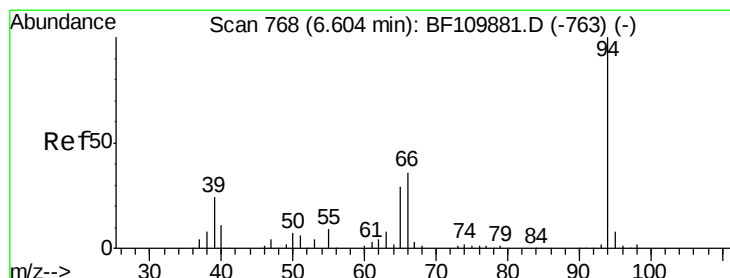
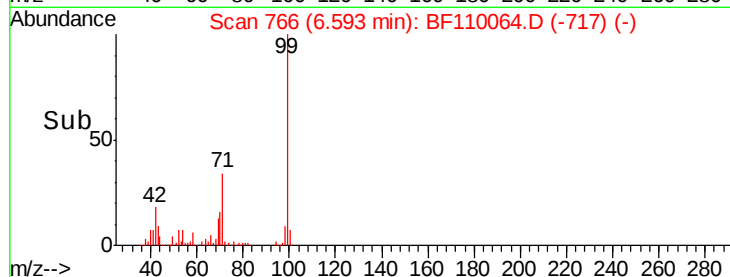
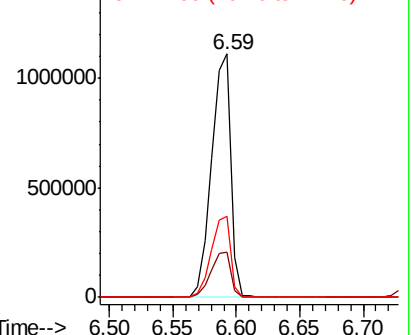
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.394 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110064.D

Acq: 22 Oct 2018 22:08

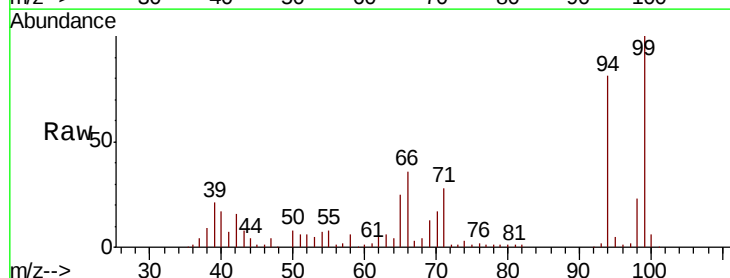
Tgt Ion: 94 Resp: 103641

Ion Ratio Lower Upper

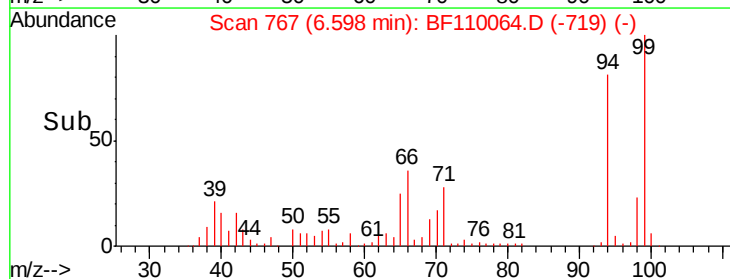
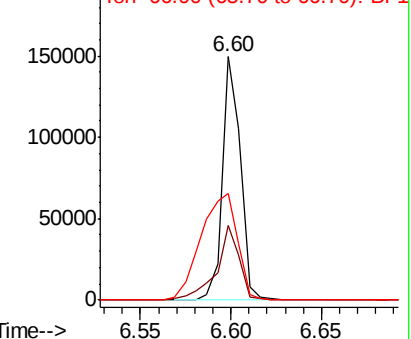
94 100

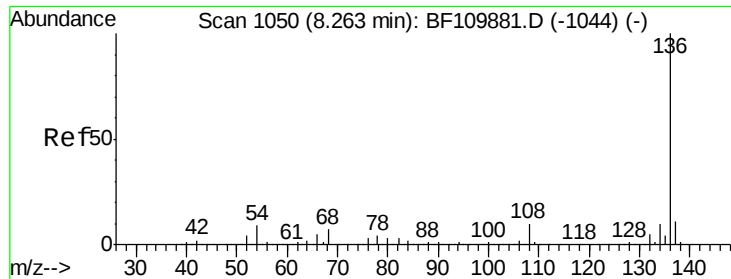
65 30.4 25.3 65.3

66 43.8 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
200000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





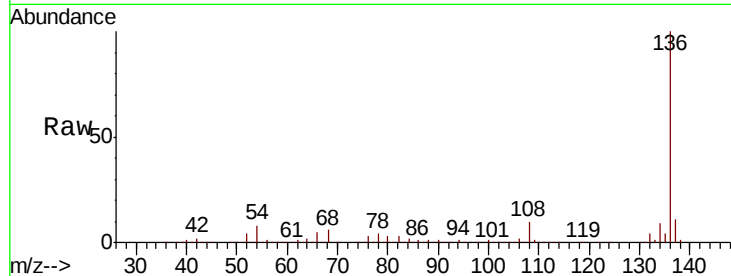
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

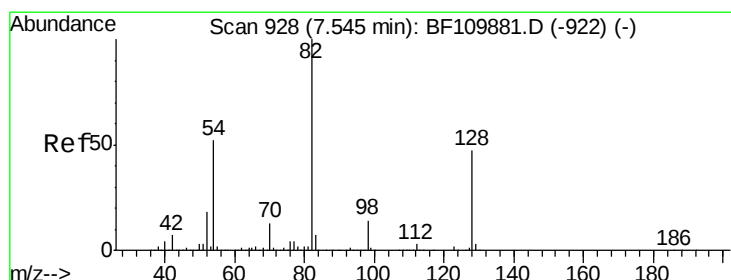
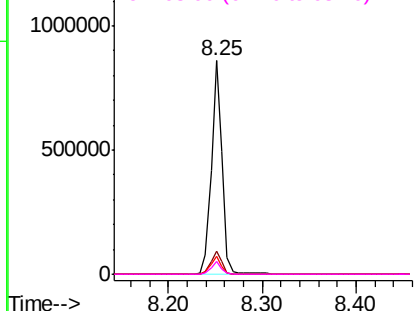
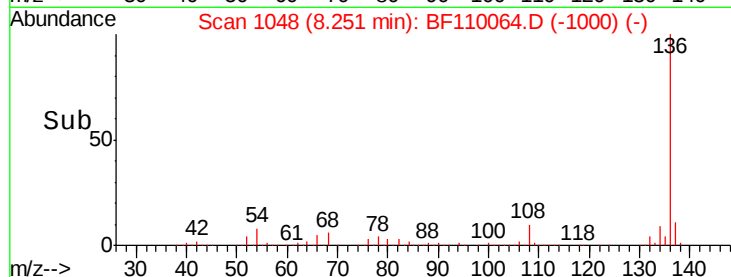
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	5.4	8.2#
68	6.0	4.2	6.2

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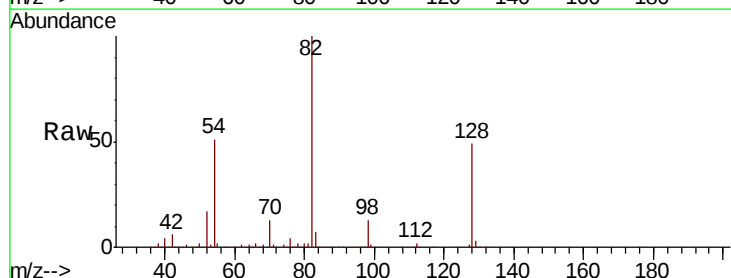


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

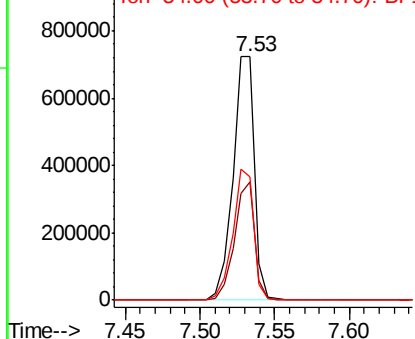
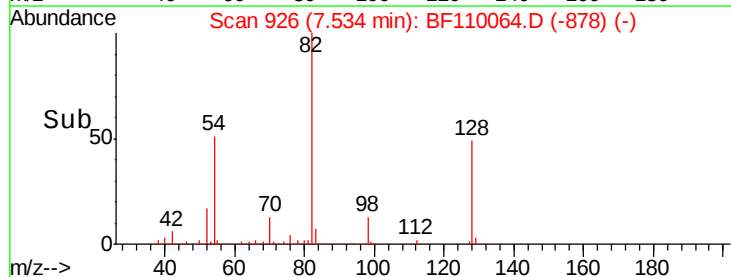


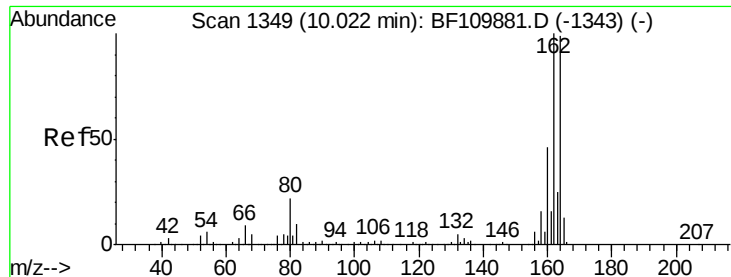
#23
Nitrobenzene-d5
Concen: 70.572 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.8	34.2	51.2
54	50.7	38.6	58.0



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





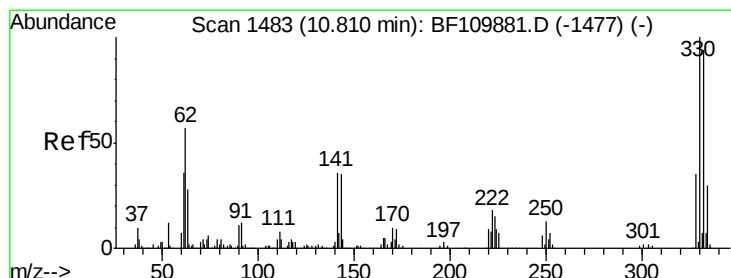
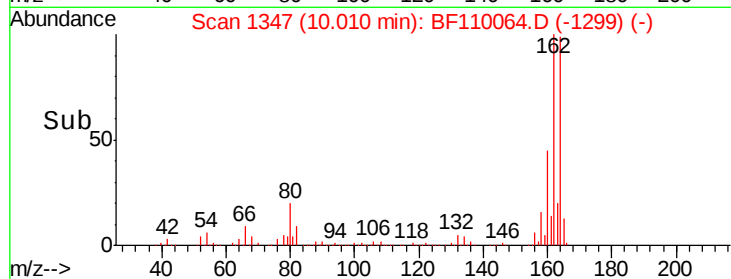
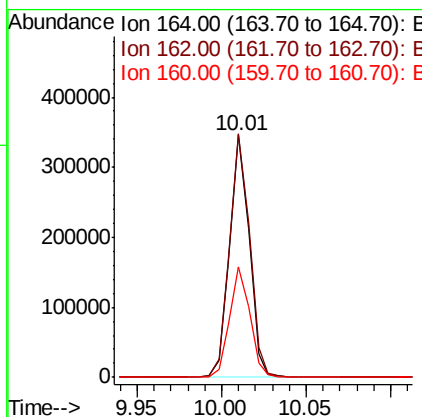
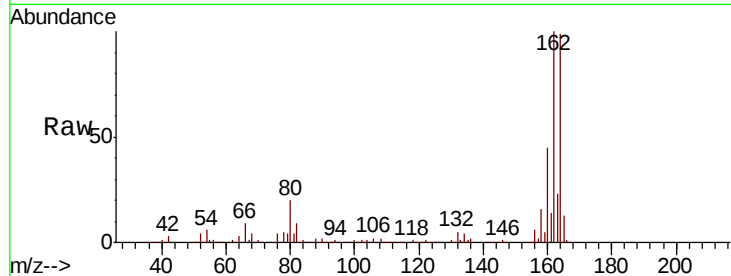
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	83.0	124.6	
160	45.6	37.0	55.6	

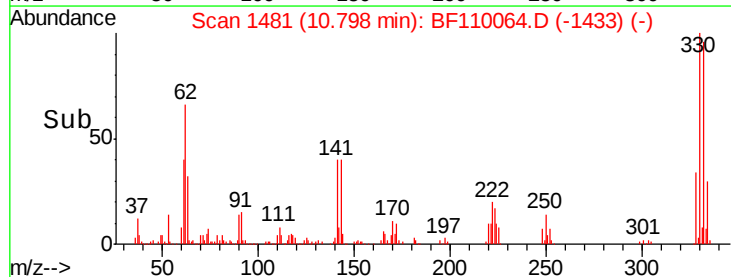
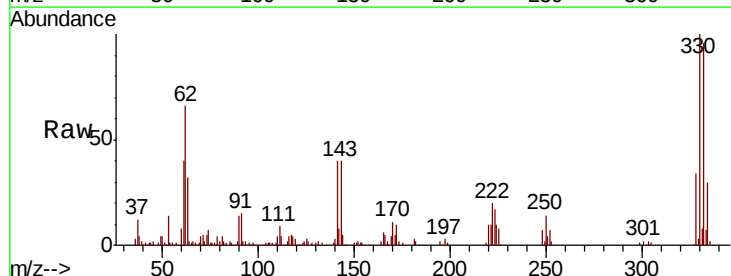
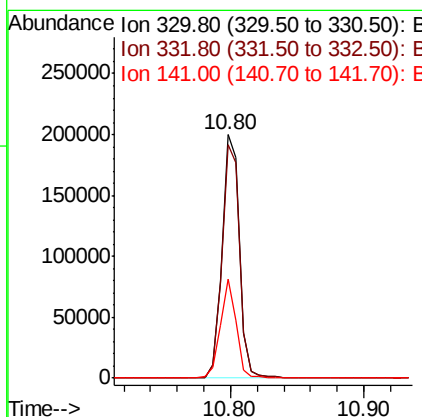
Manual Integrations
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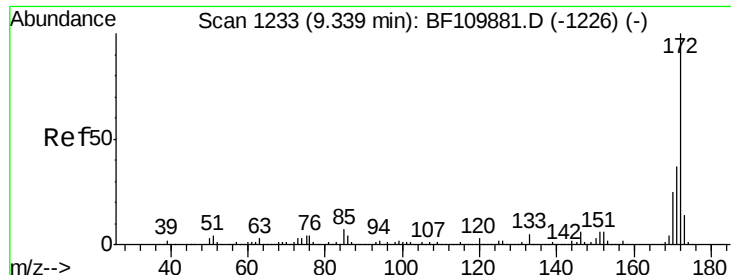
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#42
2,4,6-Tribromophenol
Concen: 76.543 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	77.1	115.7	
141	37.4	27.0	40.4	





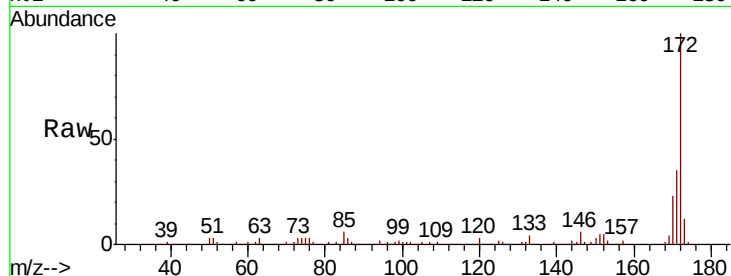
#45
2-Fluorobiphenyl
Concen: 53.674 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampled :
SOIL-PILE

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.2	19.7	29.5

Manual Integrations
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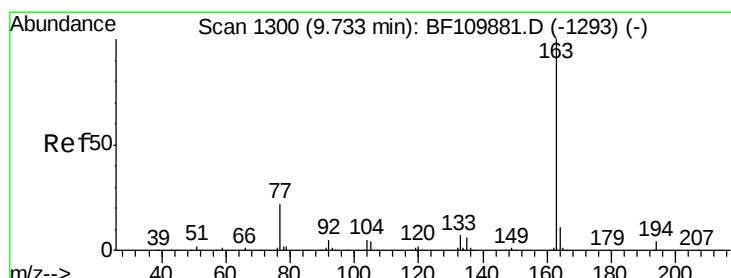
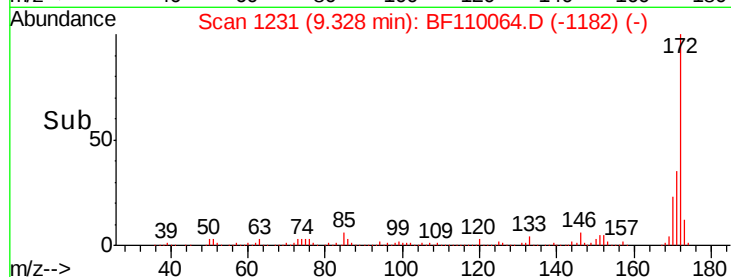
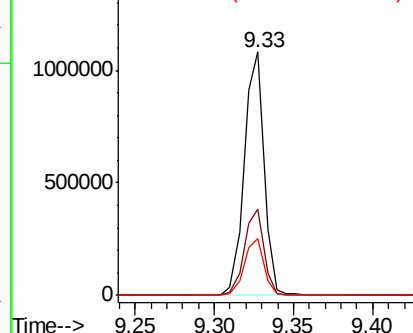


Abundance

Ion 172.00 (171.70 to 172.70): E

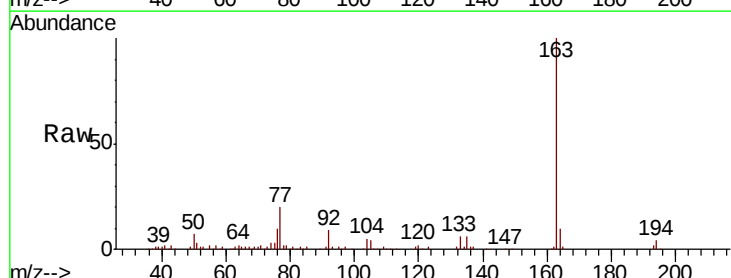
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.617 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.1	8.1	12.1

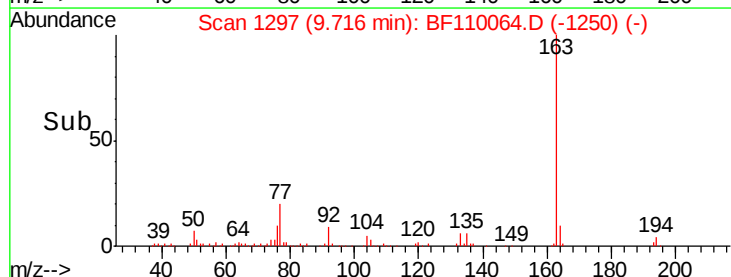
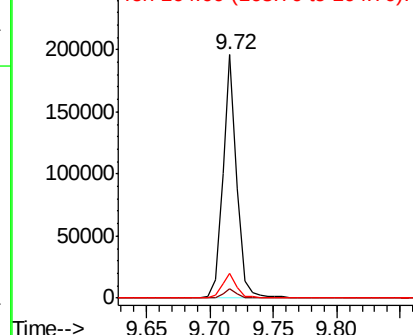


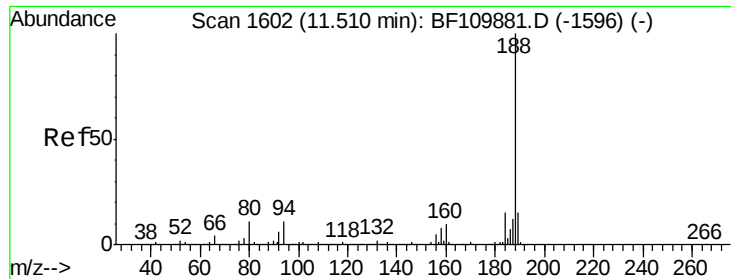
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





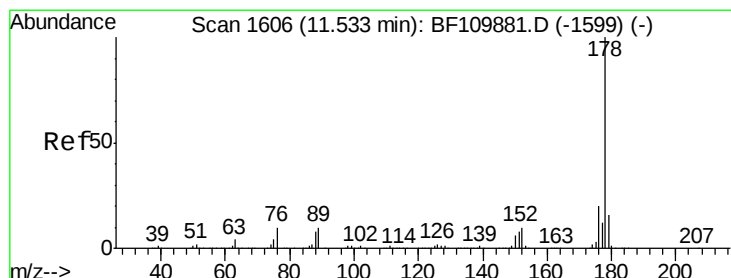
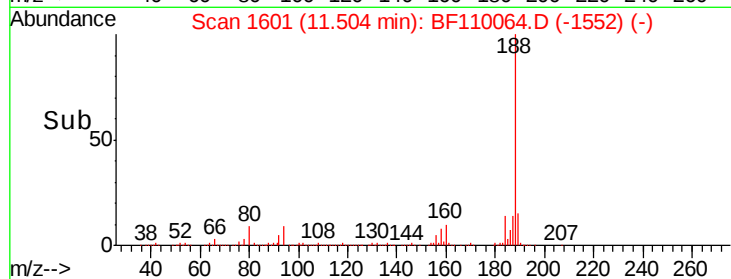
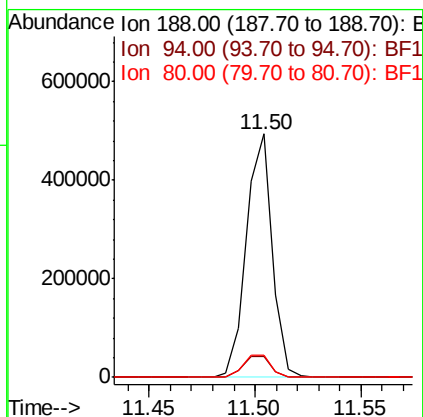
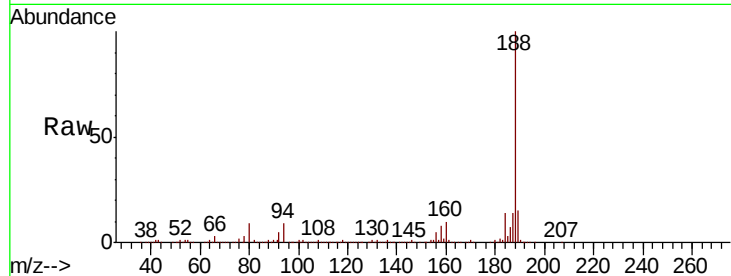
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	419637		
94	8.7		7.2	10.8
80	9.1		7.9	11.9

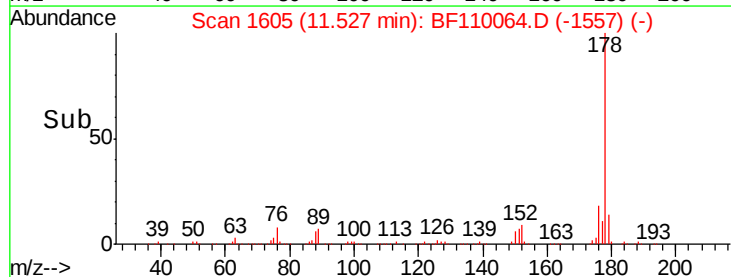
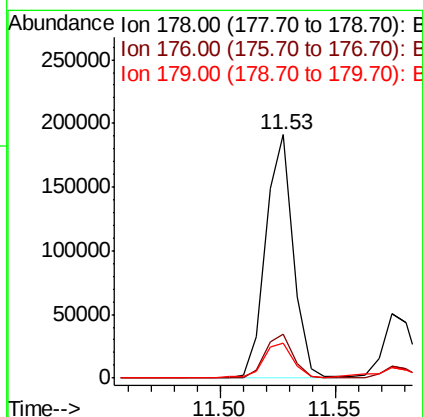
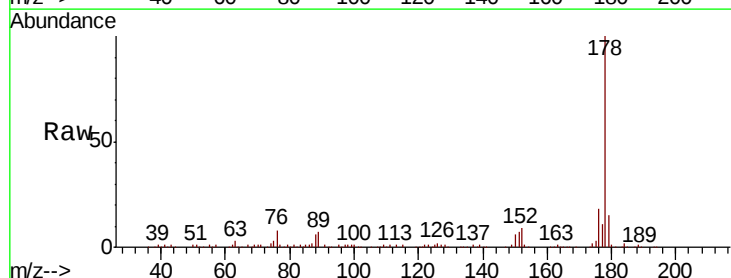
Manual Integrations
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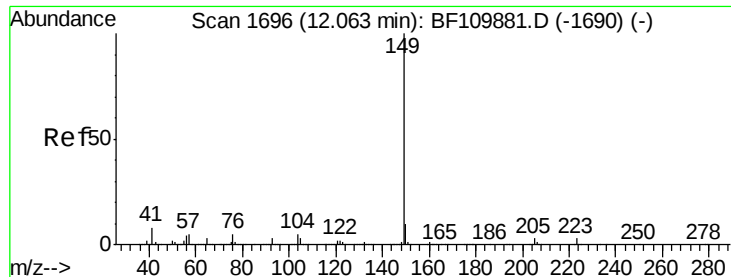
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#71
Phenanthrene
Concen: 7.294 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	158458		
176	18.1		15.5	23.3
179	14.6		12.5	18.7





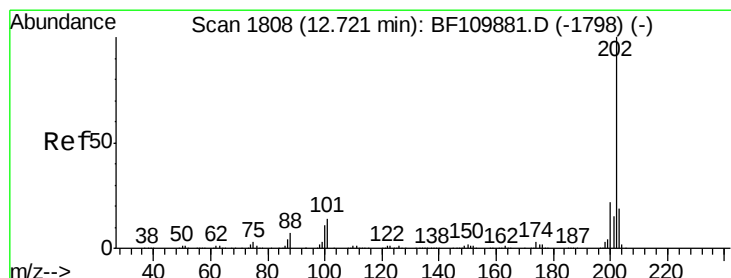
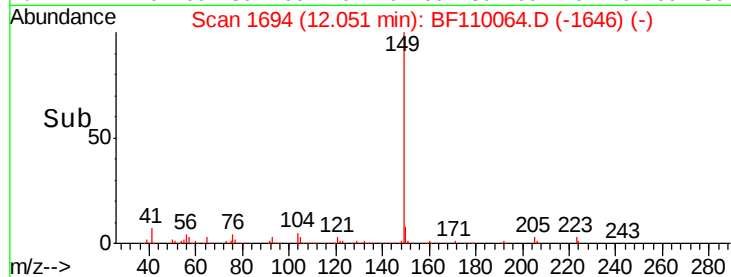
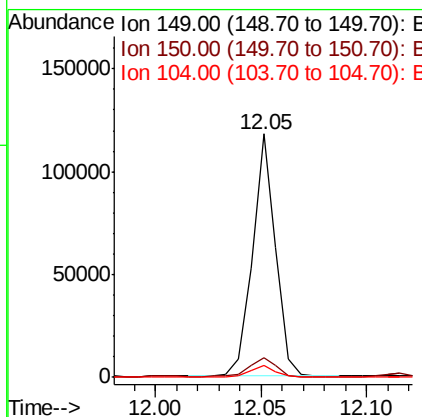
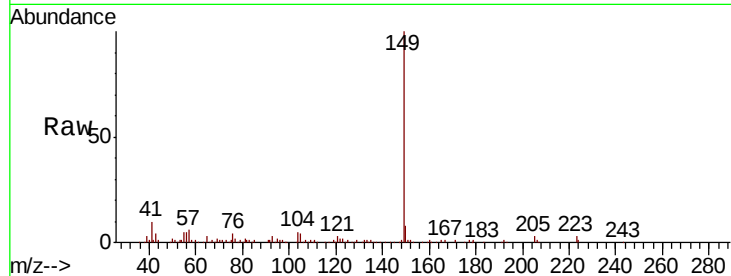
#74
Di-n-butylphthalate
Concen: 3.709 ng
RT: 12.05 min Scan# 1694
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
149	100		
150	8.1	7.7	11.5
104	4.8	4.2	6.4

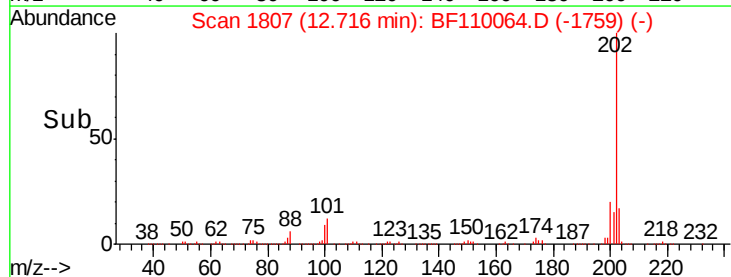
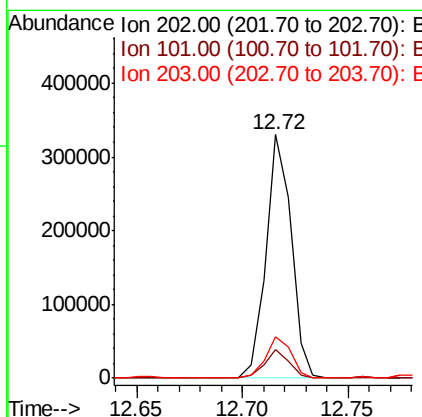
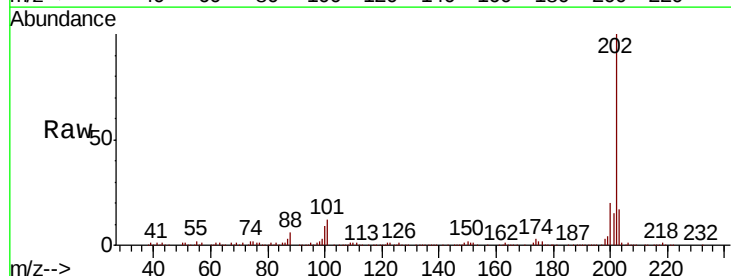
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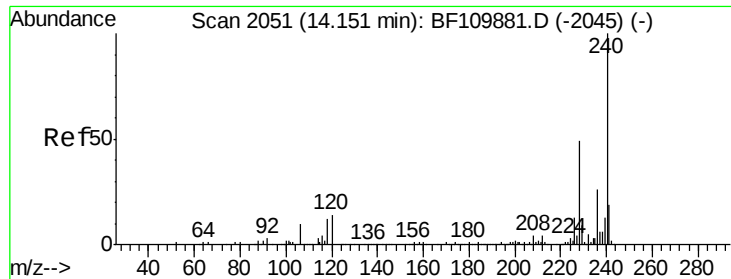
Sohil
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#75
Fluoranthene
Concen: 12.698 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.4
203	17.1	0.0	37.7





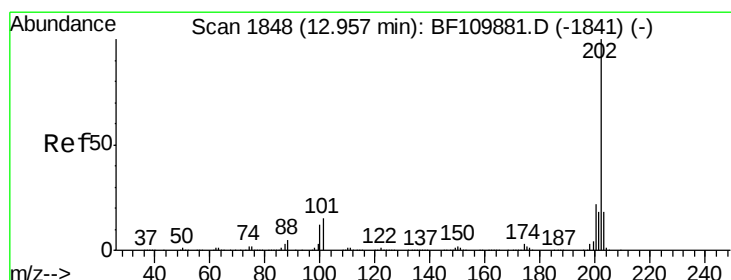
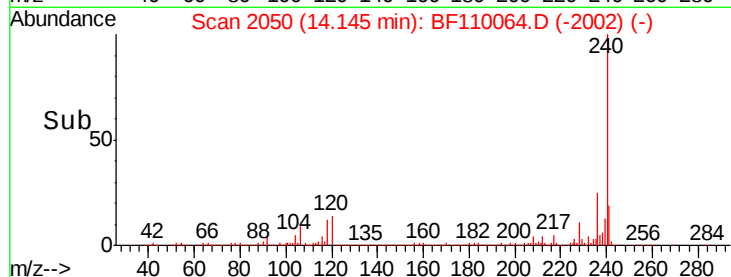
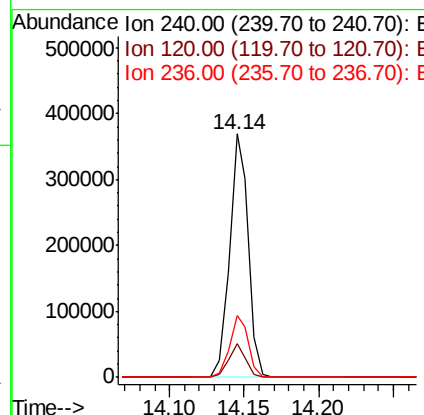
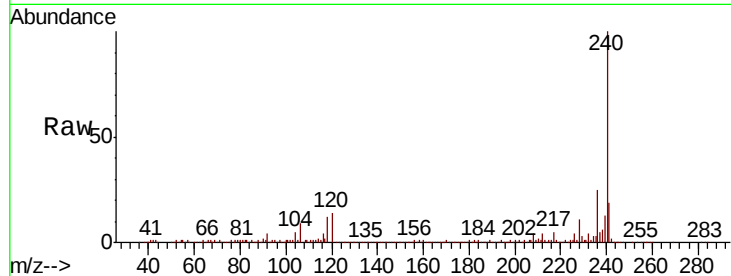
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampled :
SOIL-PILE

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	13.8	8.3	12.5#
236	25.3	21.2	31.8

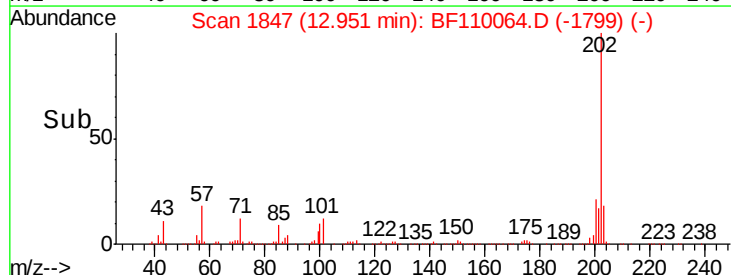
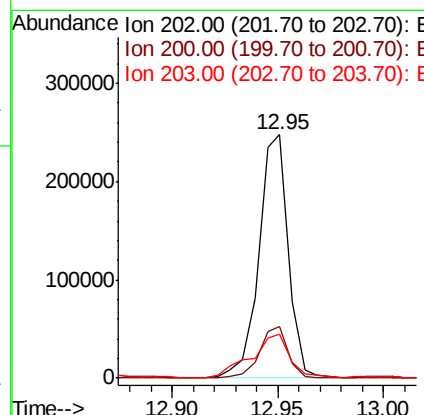
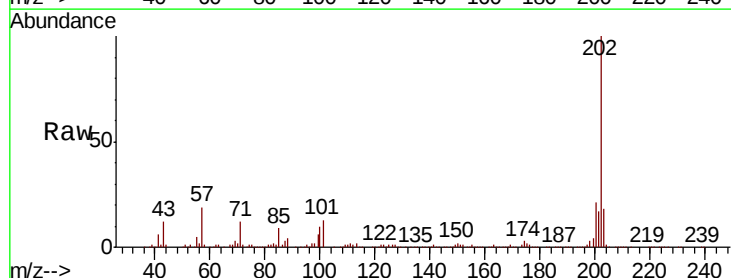
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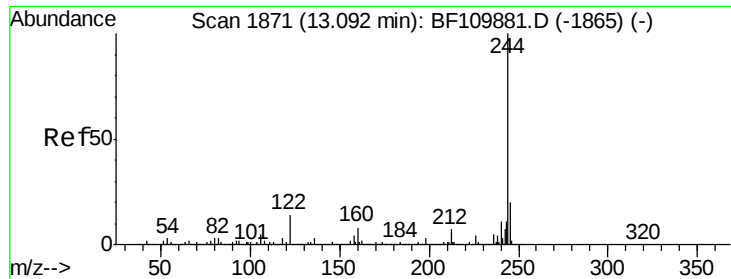
Sohil
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#78
Pyrene
Concen: 10.018 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.8	26.6
203	17.8	14.2	21.4





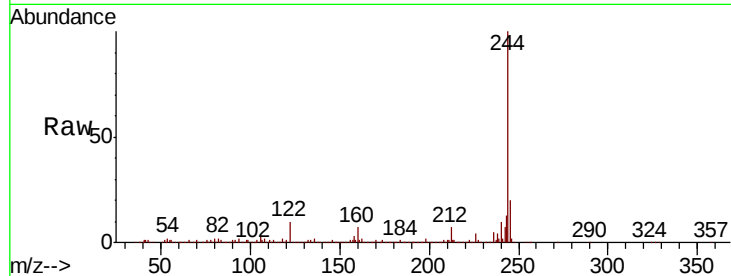
#79
 Terphenyl-d14
 Concen: 38.756 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110064.D
 Acq: 22 Oct 2018 22:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.4	8.7	13.1

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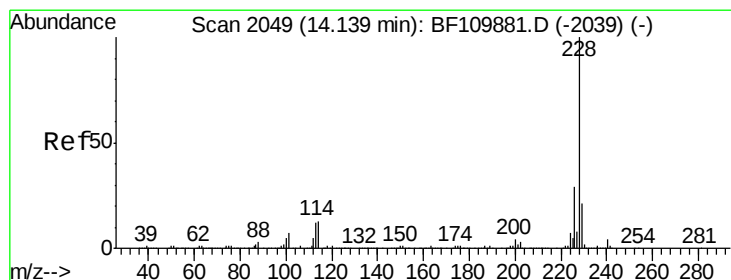
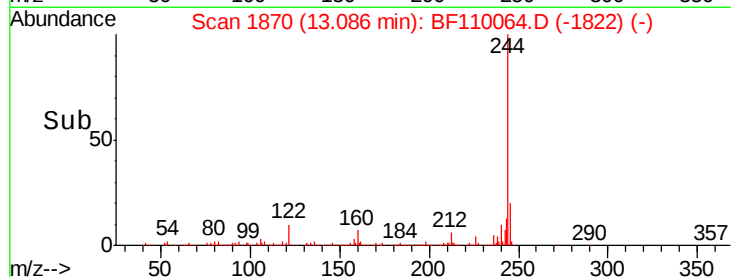
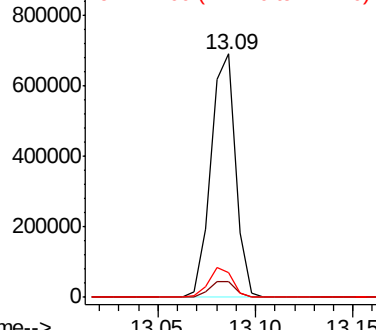


Abundance

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: 6.952 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: BF110064.D
 Acq: 22 Oct 2018 22:08

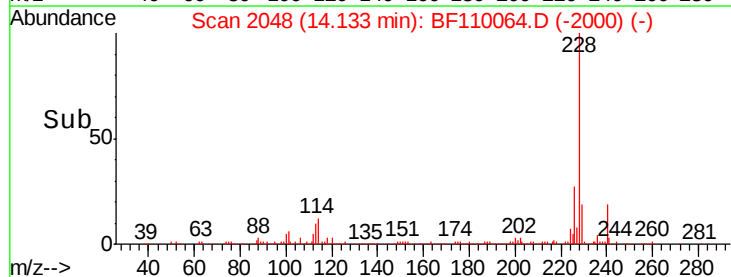
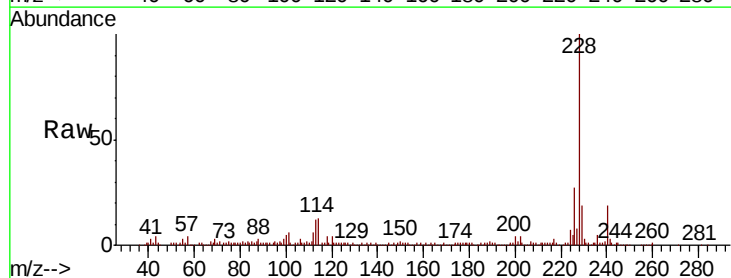
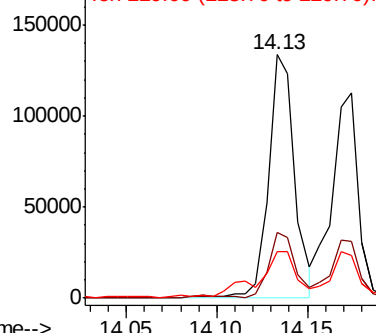
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.0	15.6	23.4

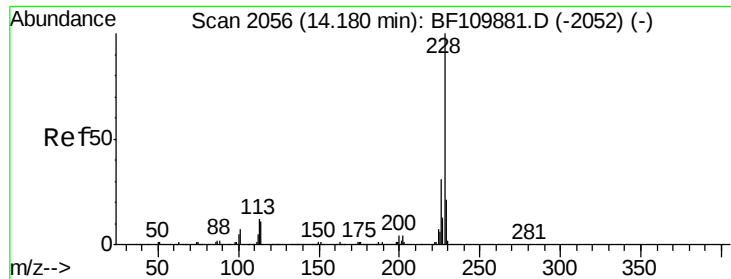
Abundance

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





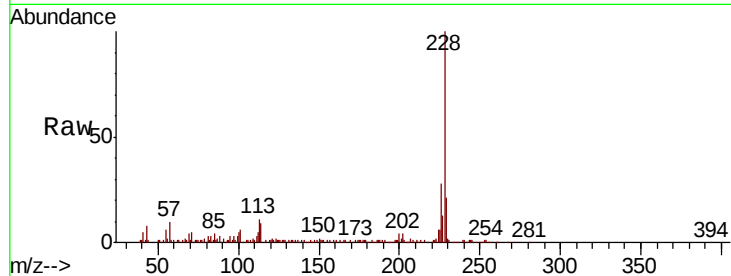
#83
Chrysene
Concen: 6.180 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

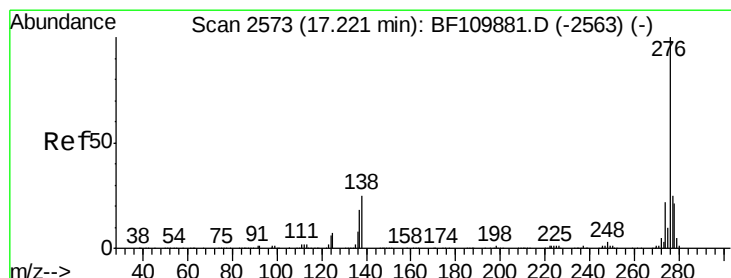
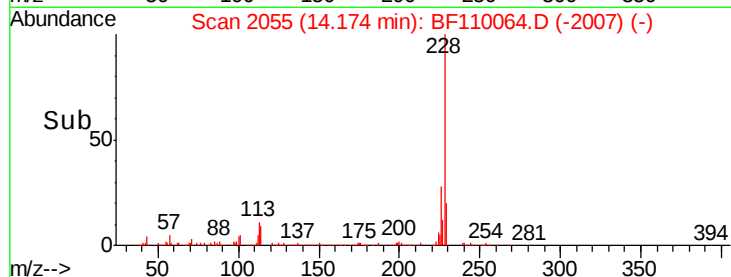
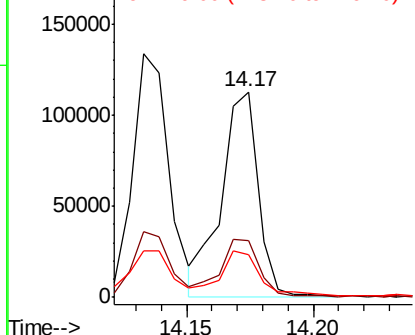
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.7	37.1
229	20.8	15.9	23.9

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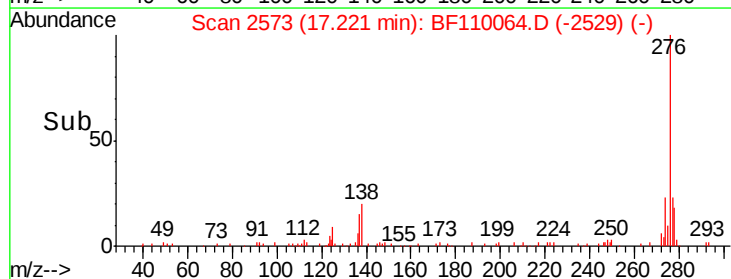
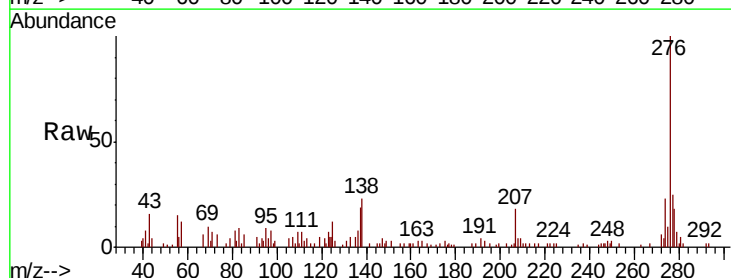
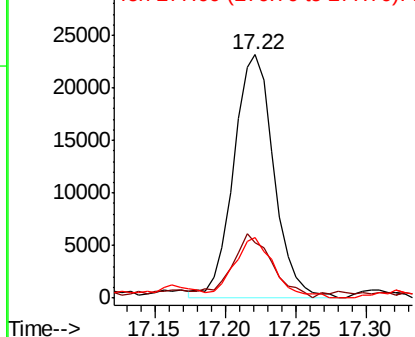
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

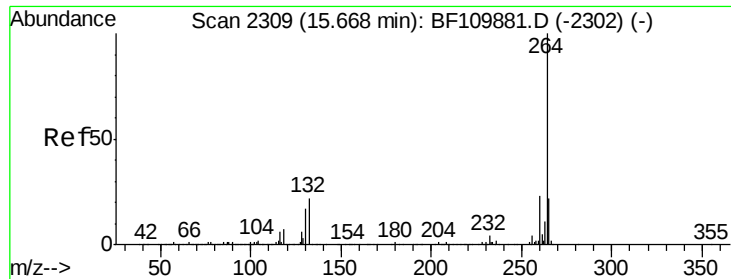


#86
Indeno(1,2,3-cd)pyrene
Concen: 3.125 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.04 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	18.5	27.7
277	24.7	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





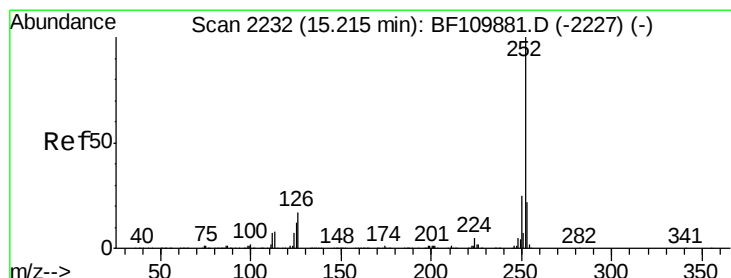
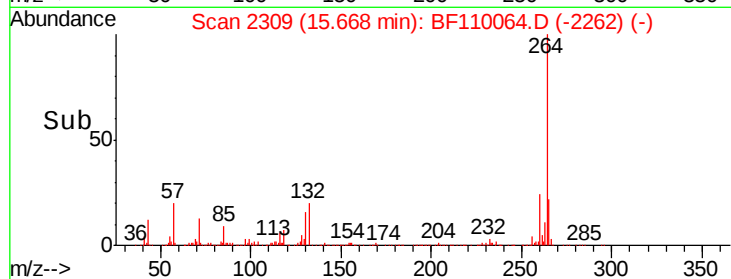
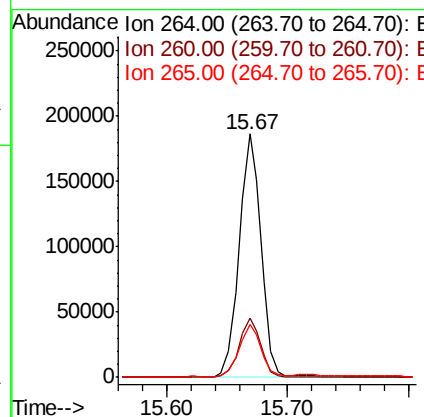
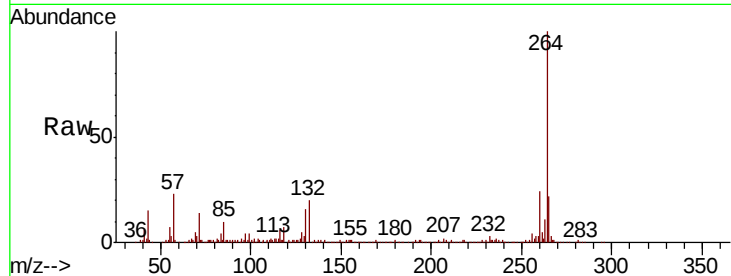
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	21.8	16.7	25.1

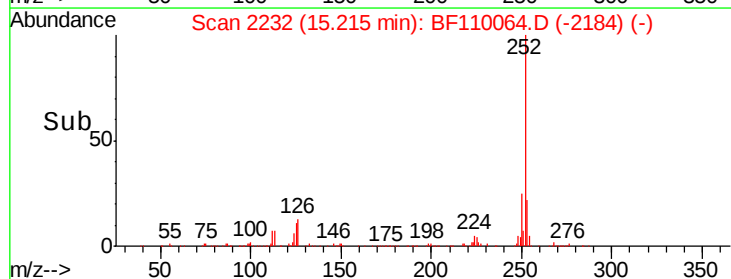
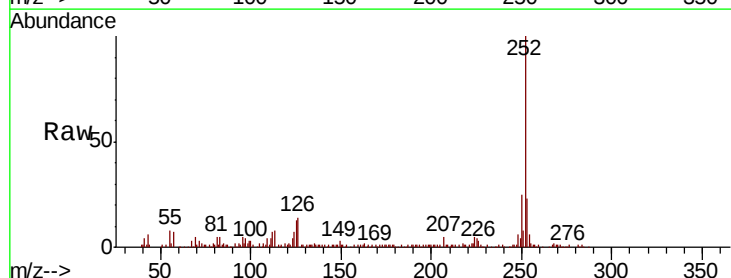
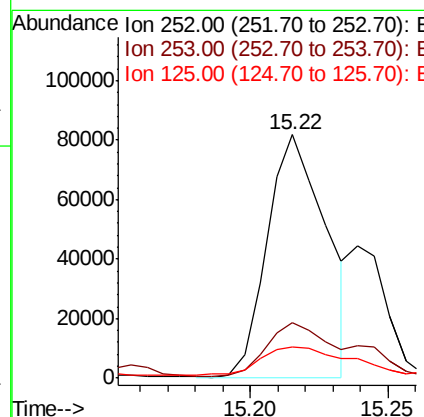
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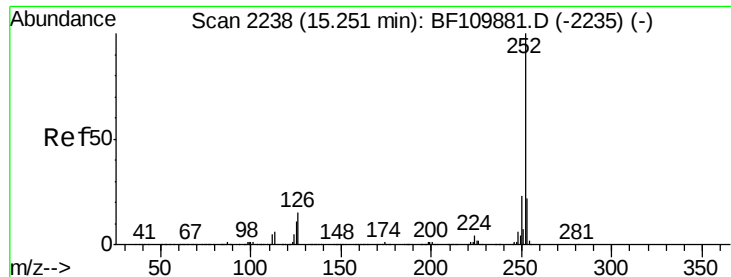
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#88
Benzo(b)fluoranthene
Concen: 9.029 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.9	8.2	12.4#





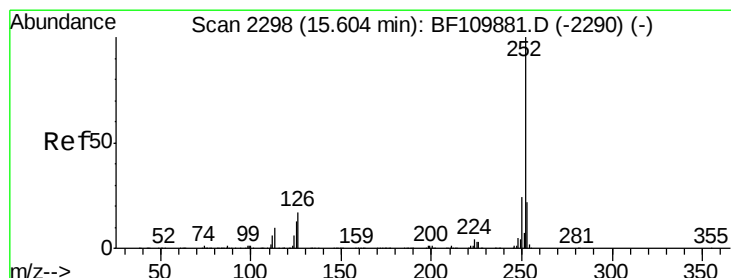
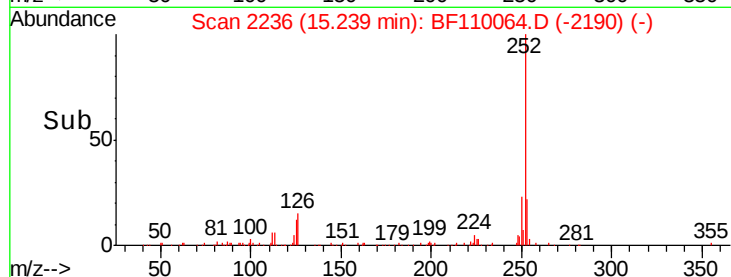
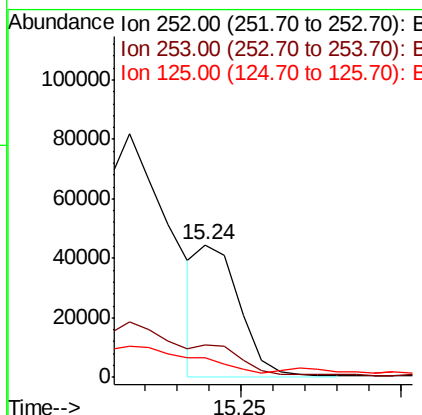
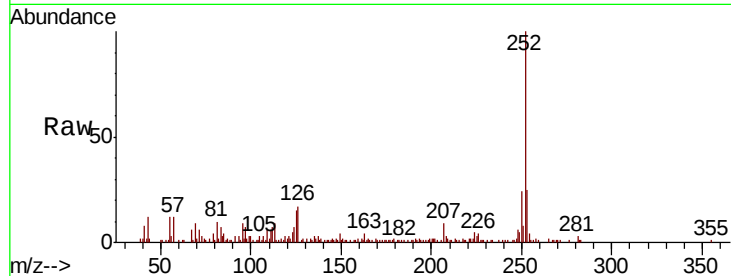
#89
Benzo(k)fluoranthene
Concen: 3.072 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	14.5	7.4	11.0

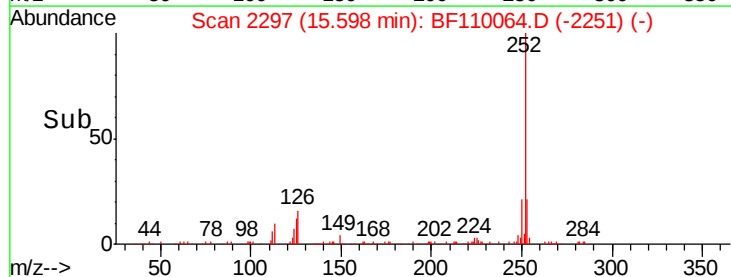
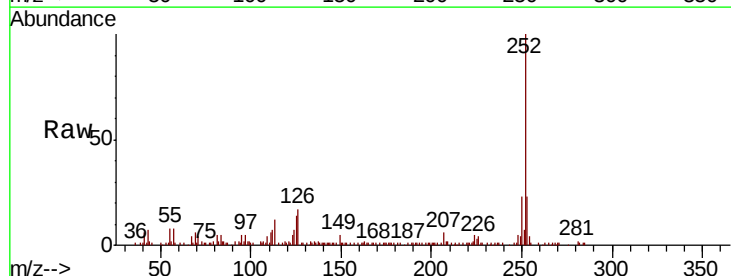
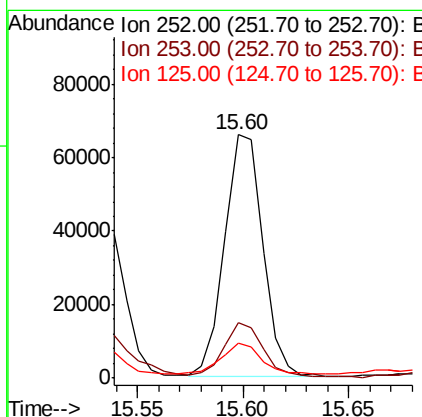
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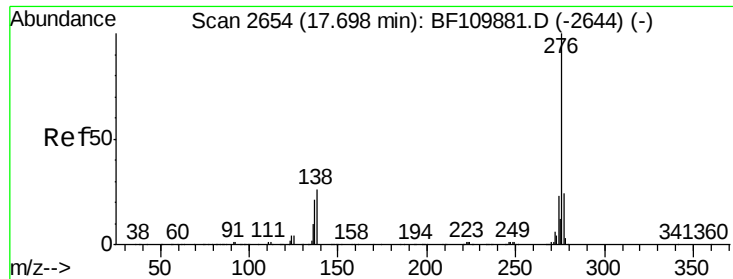
Sohil
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#90
Benzo(a)pyrene
Concen: 6.608 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.03 min
Lab File: BF110064.D
Acq: 22 Oct 2018 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.5	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.728 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. -0.04 min
 Lab File: BF110064.D
 Acq: 22 Oct 2018 22:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.8	28.2
138	25.0	16.0	24.0

Manual Integrations
 APPROVED

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