

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112022.D
 Acq On : 11 Jan 2019 18:23
 Operator : JU/SJ
 Sample : K1118-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FENCE-SOIL-PILE-1

Manual Integrations
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Sohil
 1/14/2019 4:10:22 PM

Quant Time: Jan 11 23:06:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	105177	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	403439	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	183021	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	310553	20.00	ng	0.00
76) Chrysene-d12	14.04	240	289712	20.00	ng	0.00
87) Perylene-d12	15.52	264	208618	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	262772	42.74	ng	0.00
7) Phenol-d6	6.51	99	334036	42.16	ng	0.00
23) Nitrobenzene-d5	7.43	82	203022	26.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	84577	35.53	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	365069	29.09	ng	0.00
79) Terphenyl-d14	12.97	244	323385	21.19	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.62	163	91233	6.636	ng	98
71) Phenanthrene	11.42	178	45455	2.738	ng	98
75) Fluoranthene	12.61	202	118888	6.975	ng	99
78) Pyrene	12.84	202	93310	4.681	ng	99
81) Benzo(a)anthracene	14.03	228	52105	3.125	ng	99
83) Chrysene	14.06	228	48763	3.067	ng	94
86) Indeno(1,2,3-cd)pyrene	17.00	276	24518	2.115	ng	99
88) Benzo(b)fluoranthene	15.08	252	62936m	5.043	ng	
90) Benzo(a)pyrene	15.45	252	42668	3.889	ng	# 94
92) Benzo(g,h,i)perylene	17.44	276	23458	2.718	ng	# 85

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

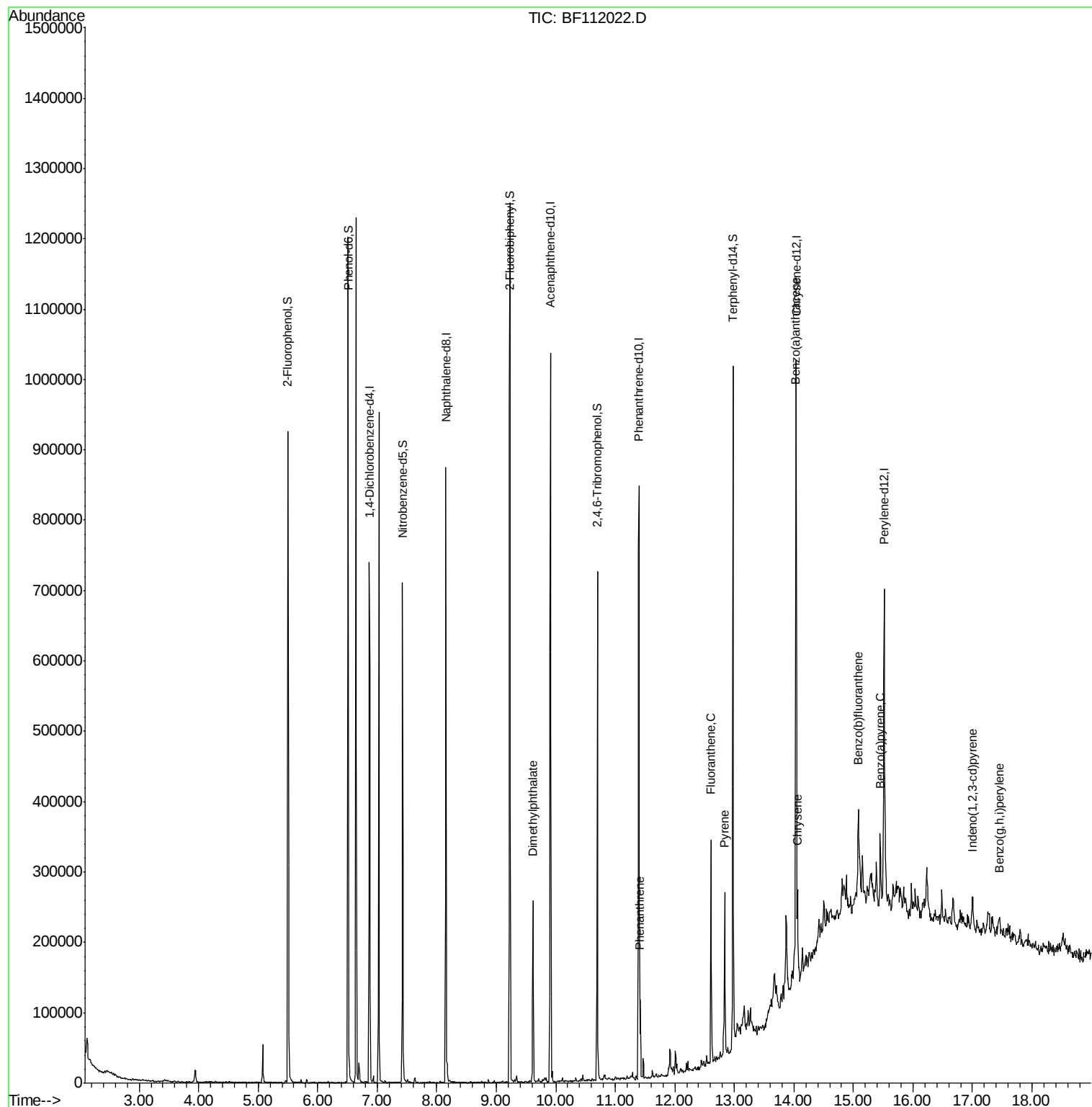
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
Data File : BF112022.D
Acq On : 11 Jan 2019 18:23
Operator : JU/SJ
Sample : K1118-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

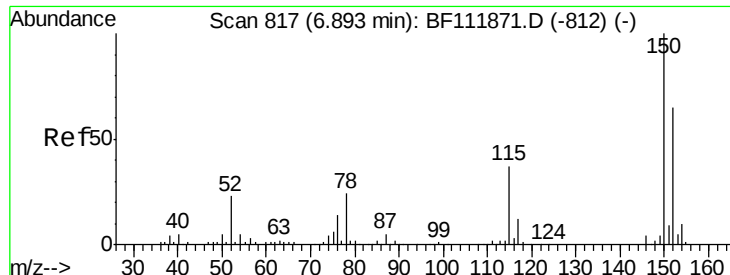
Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

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Quant Time: Jan 11 23:06:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 11 21:37:26 2019
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#1

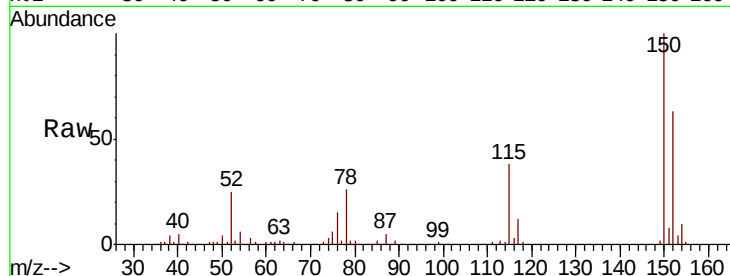
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.7	184.1
115	60.3	45.2	67.8

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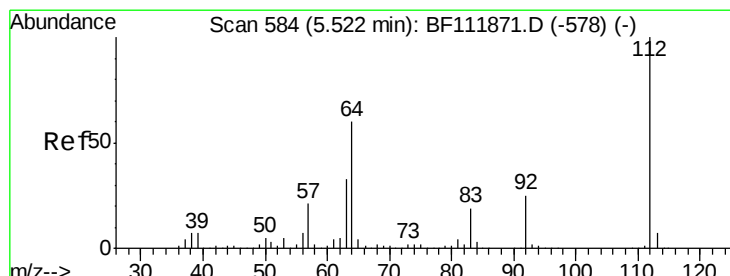
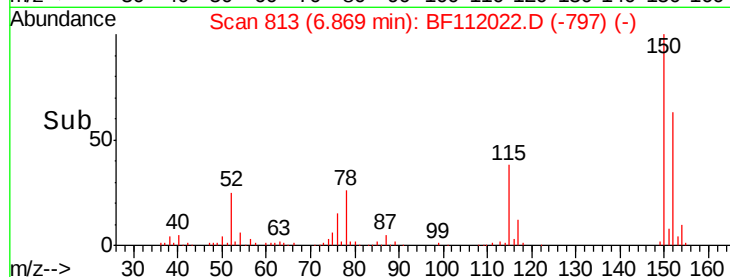
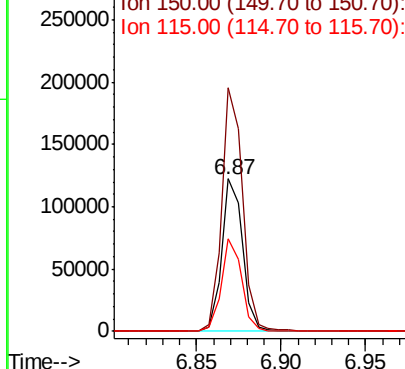


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

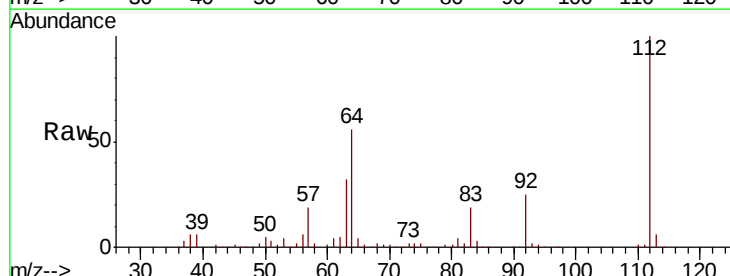
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.743 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	48.3	72.5
63	31.6	26.1	39.1

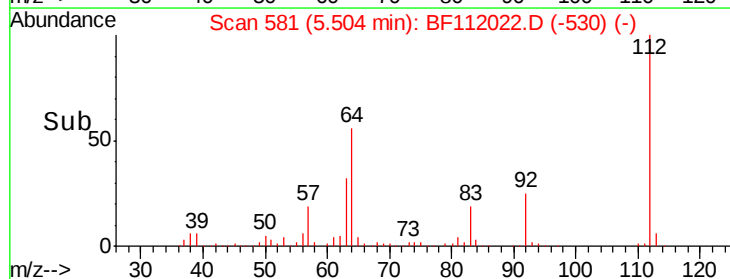
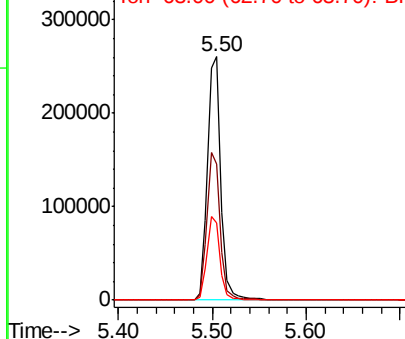


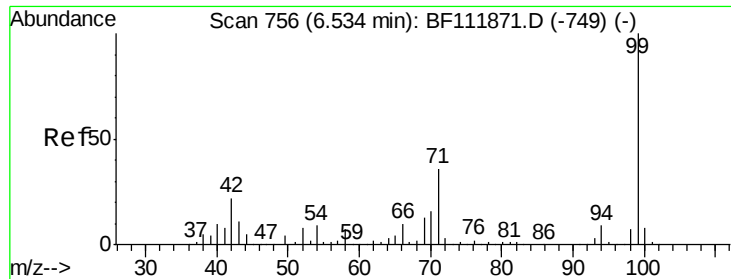
Abundance

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: 42.156 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

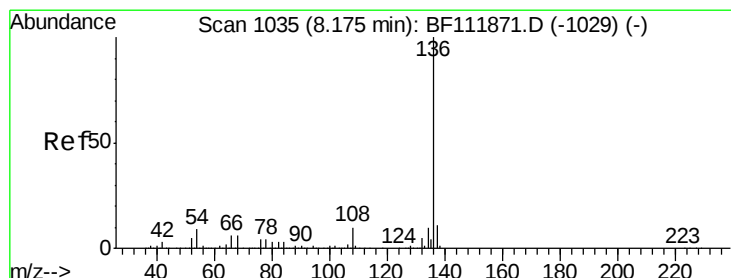
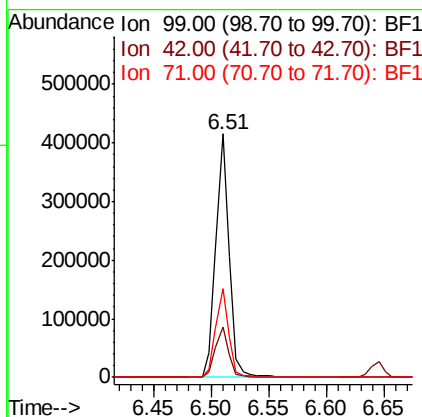
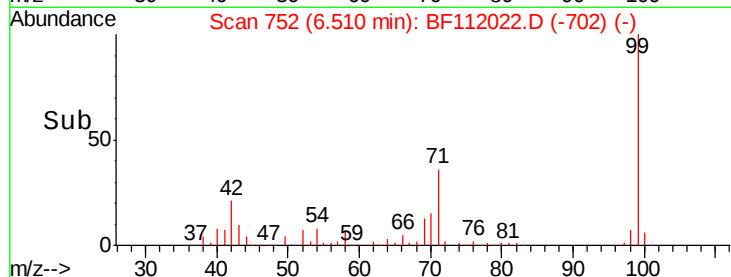
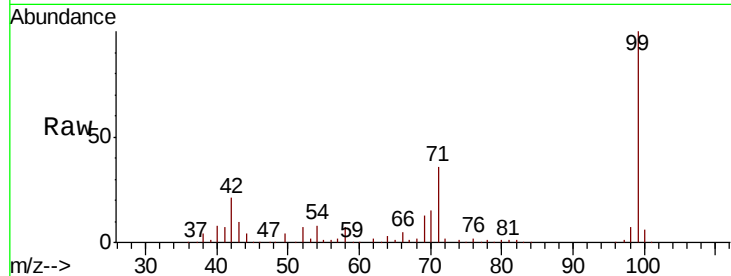
ClientSampleId :

FENCE-SOIL-PILE-1

Tot Ion:	99	Resp:	334036
Ion Ratio	Lower	Upper	
99	100		
42	20.8	17.9	26.9
71	36.3	28.7	43.1

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#21

Naphthalene-d8

Concen: 20.000 ng

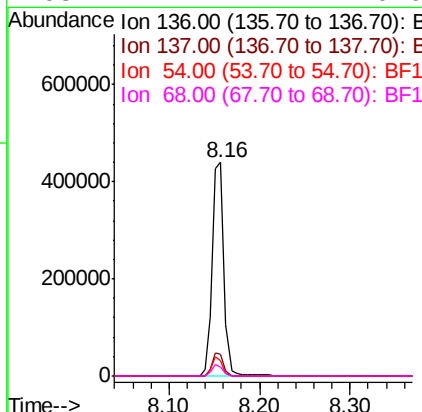
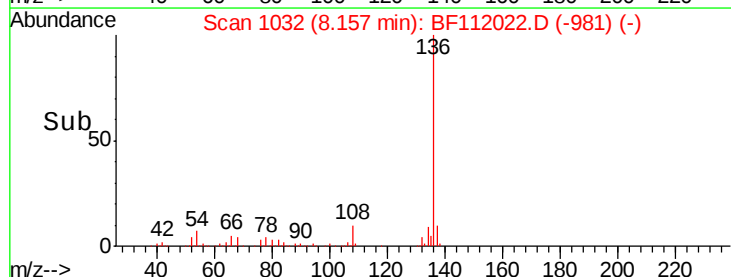
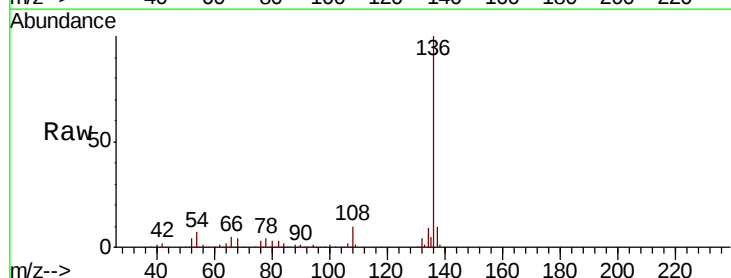
RT: 8.16 min Scan# 1032

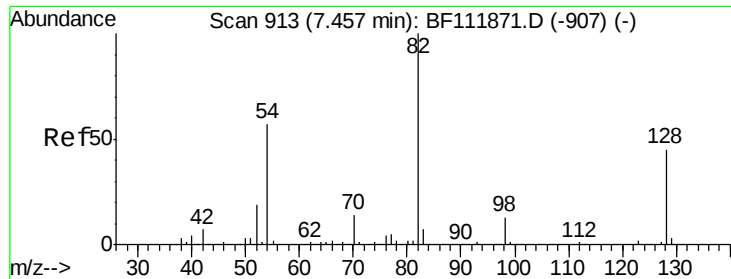
Delta R.T. -0.00 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Tgt Ion:	136	Resp:	403439
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.1	13.7
54	7.4	7.2	10.8
68	4.4	4.4	6.6





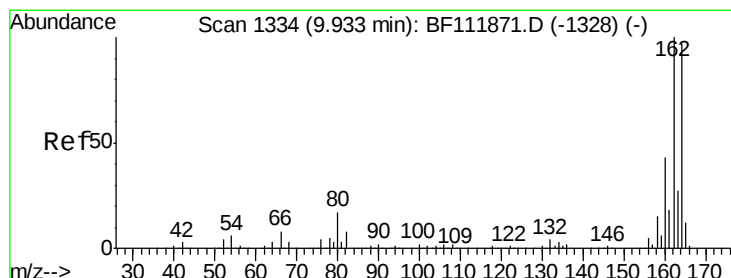
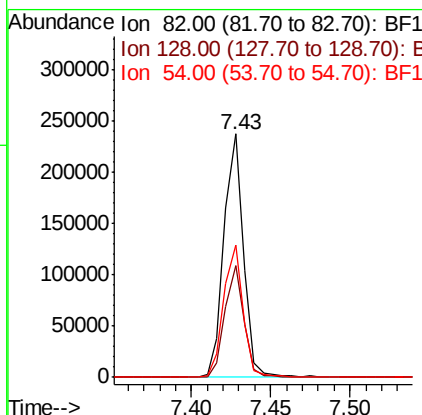
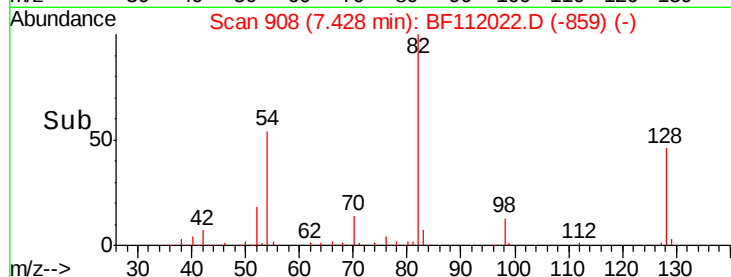
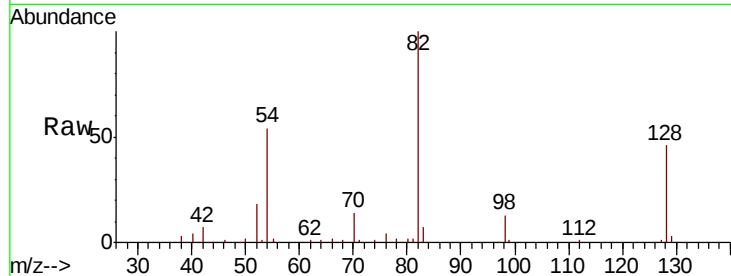
#23
Nitrobenzene-d5
Concen: 26.895 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	203022		
128	45.9	35.7	53.5	
54	54.2	45.8	68.8	

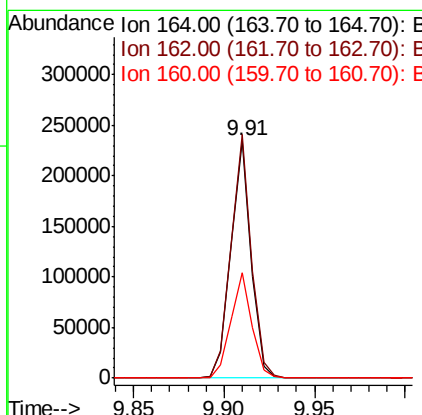
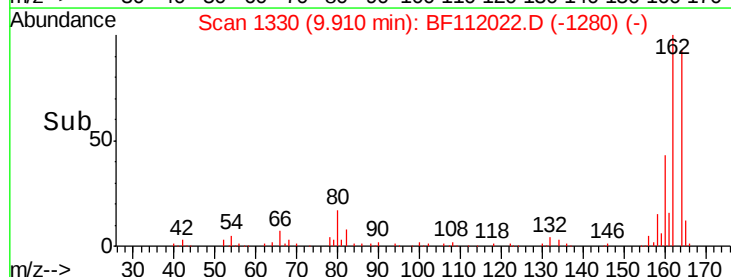
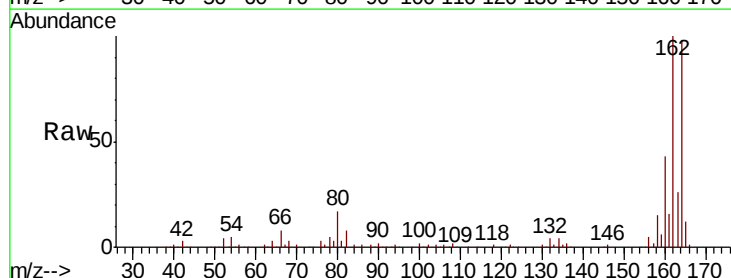
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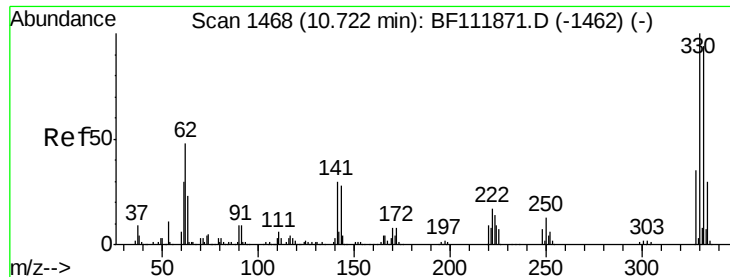
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	183021		
162	102.4	82.2	123.2	
160	44.2	35.5	53.3	





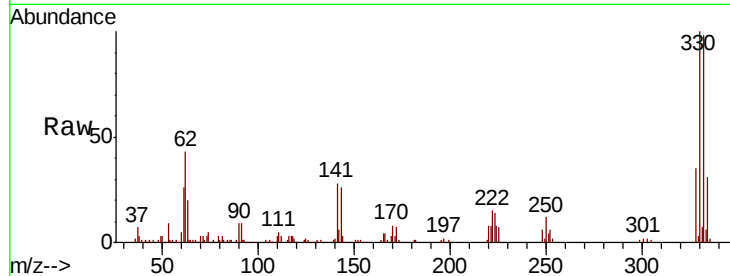
#42
 2,4,6-Tribromophenol
 Concen: 35.528 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	30.9	23.7	35.5

Manual Integrations
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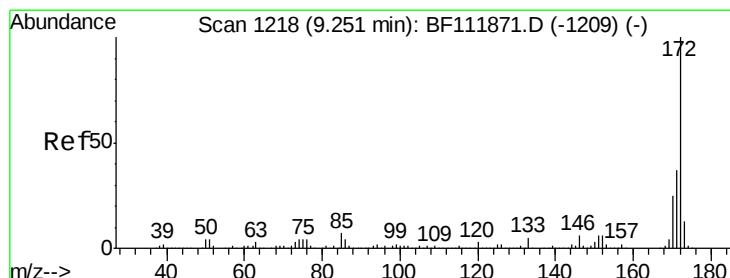
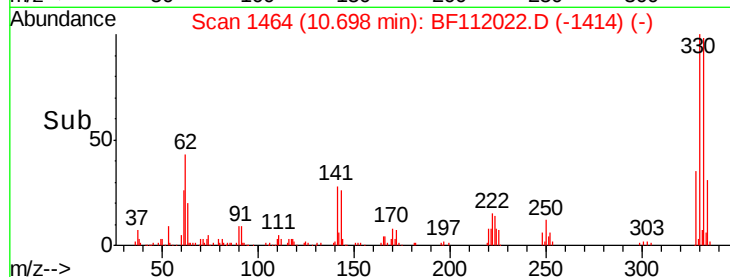
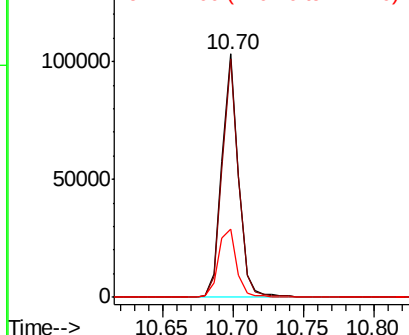


Abundance

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: 29.086 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

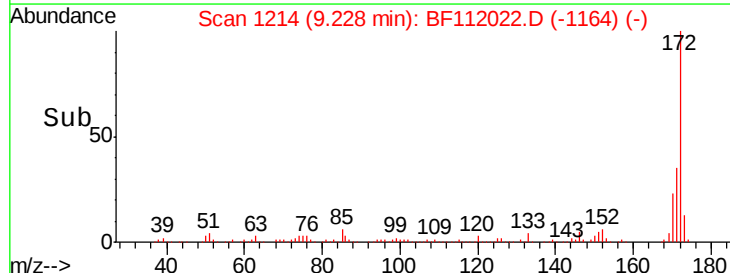
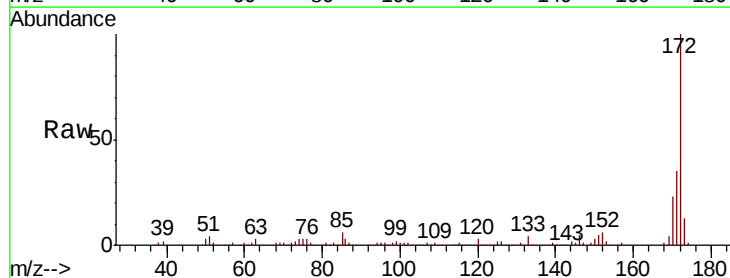
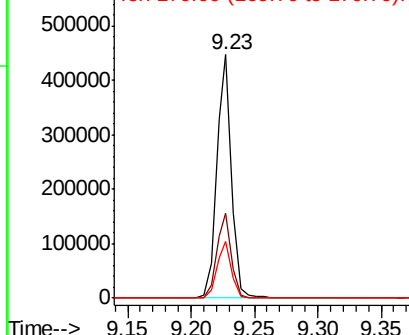
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.3	19.8	29.8

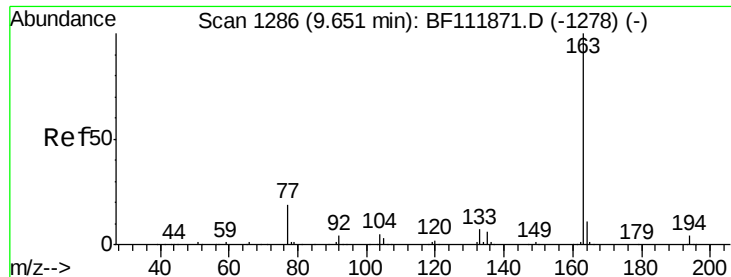
Abundance

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





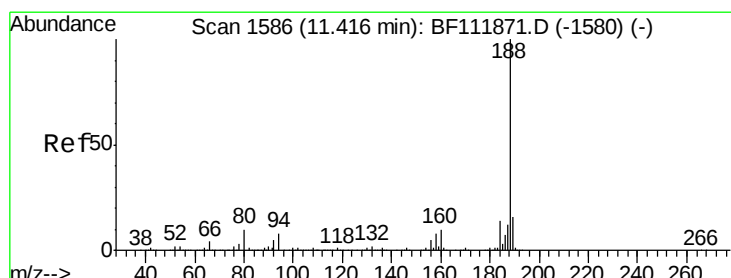
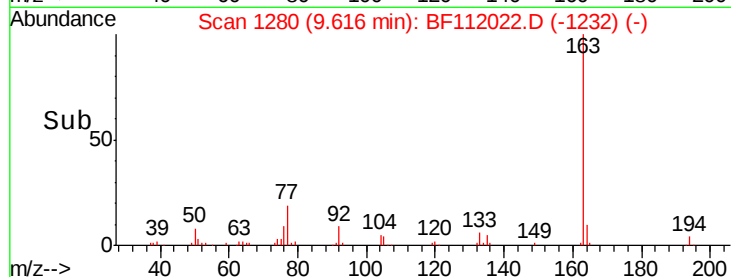
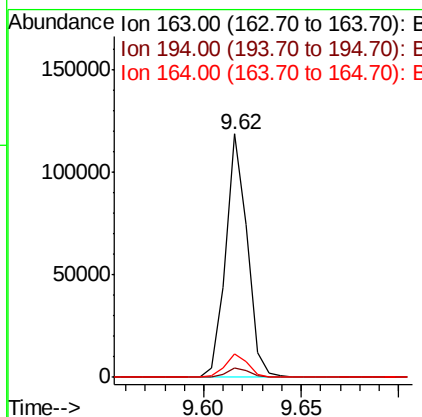
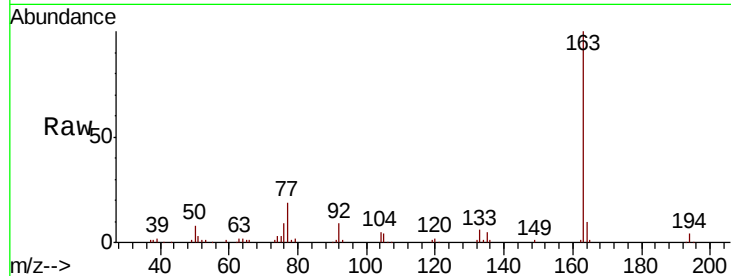
#50
Dimethylphthalate
Concen: 6.636 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	9.8	8.5	12.7

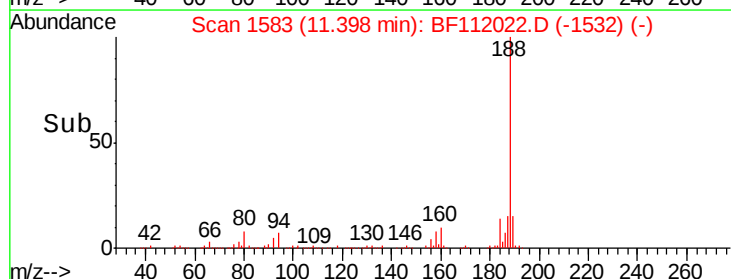
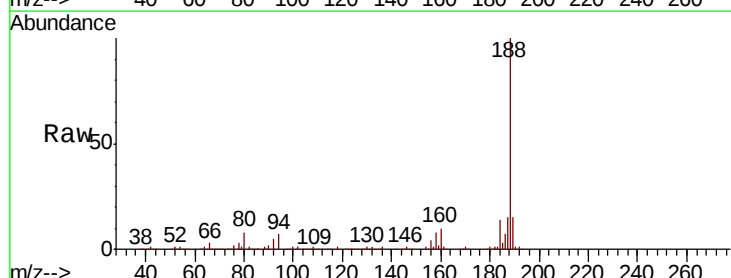
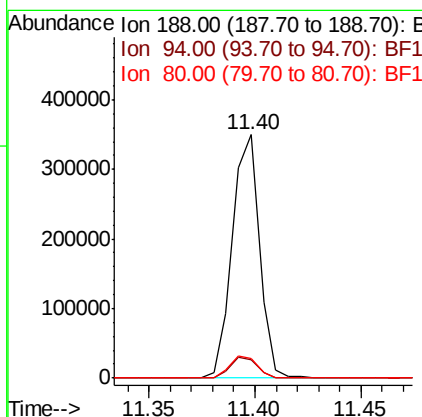
Manual Integrations
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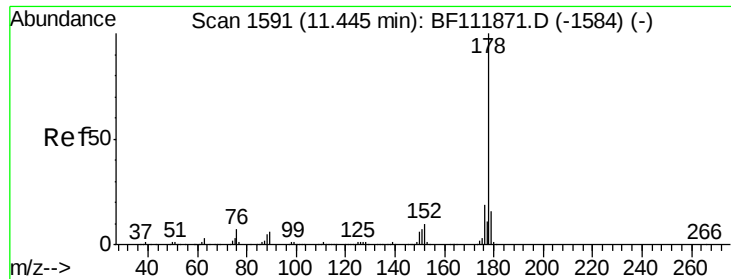
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.6	10.0
80	8.3	7.7	11.5





#71

Phenanthrene

Concen: 2.738 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

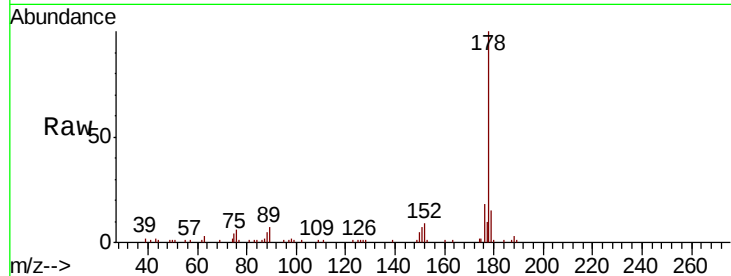
ClientSampleId :

FENCE-SOIL-PILE-1

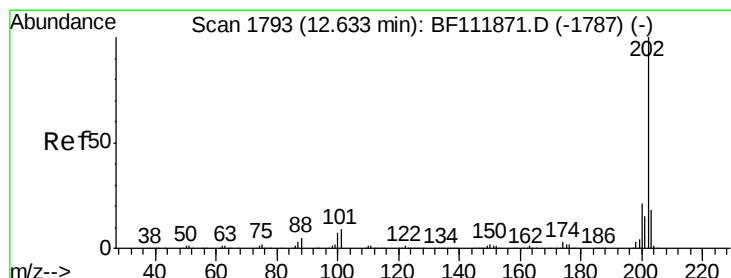
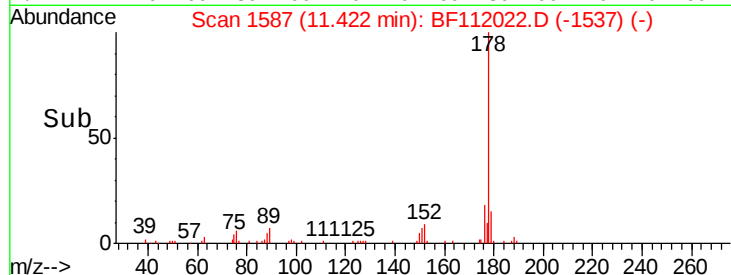
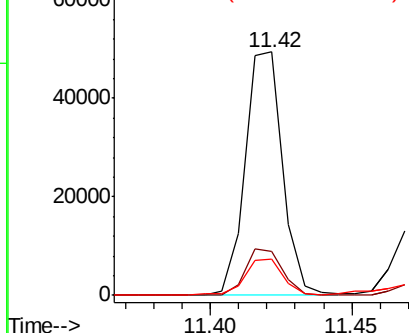
Tot Ion:	178	Resp:	45455
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.6	23.4
179	15.1	12.6	18.8

Manual Integrations
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1/14/2019 4:10:22 PM



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



#75

Fluoranthene

Concen: 6.975 ng

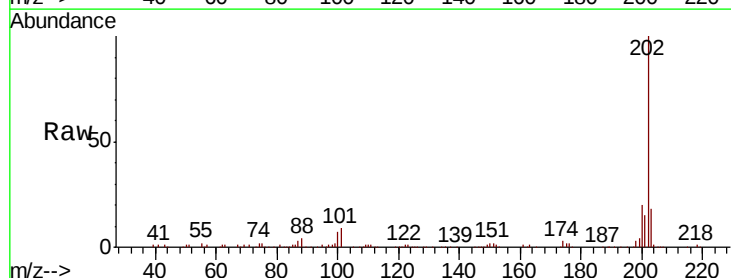
RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

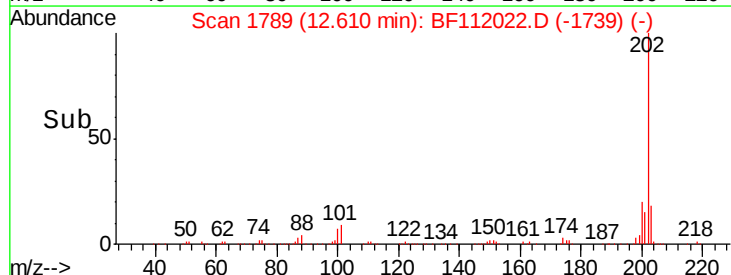
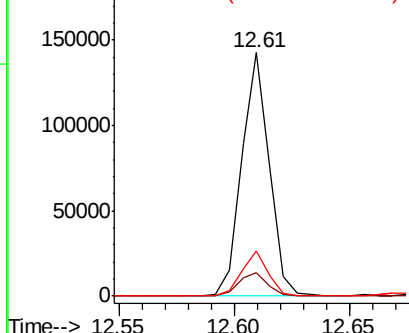
Lab File: BF112022.D

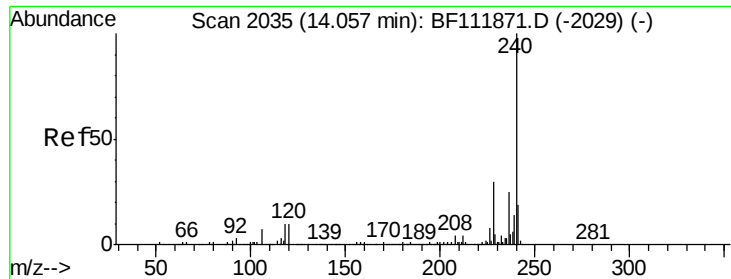
Acq: 11 Jan 2019 18:23

Tgt Ion:	202	Resp:	118888
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	29.3
203	18.4	0.0	37.6



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





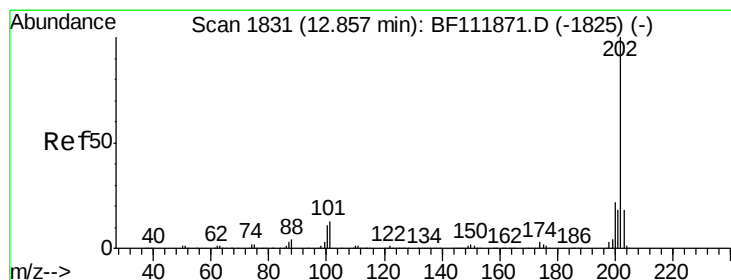
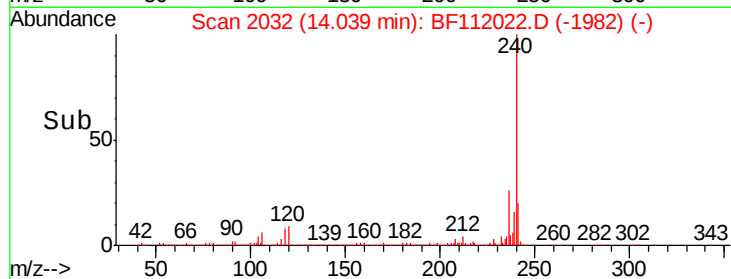
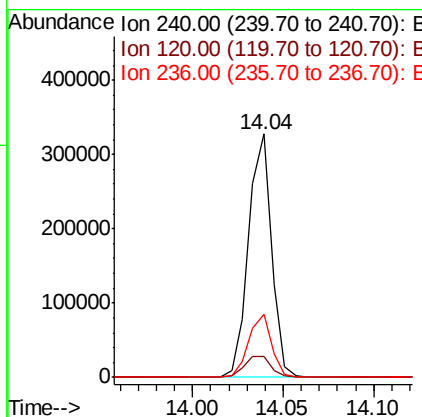
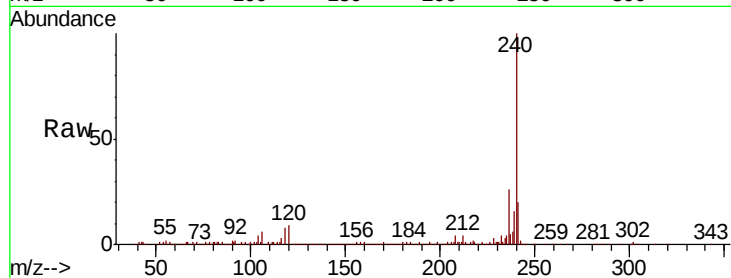
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.2	12.2
236	26.1	20.2	30.4

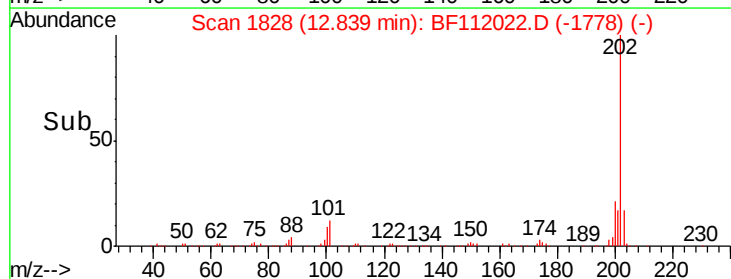
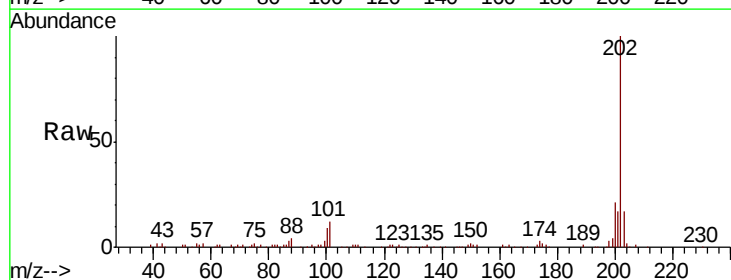
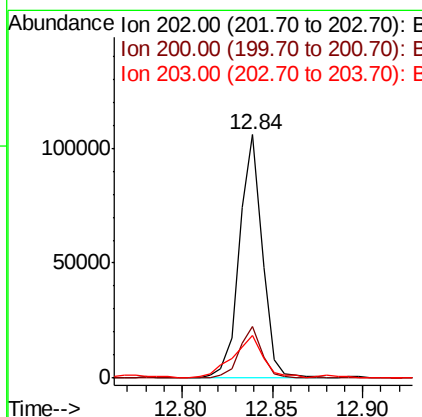
Manual Integrations
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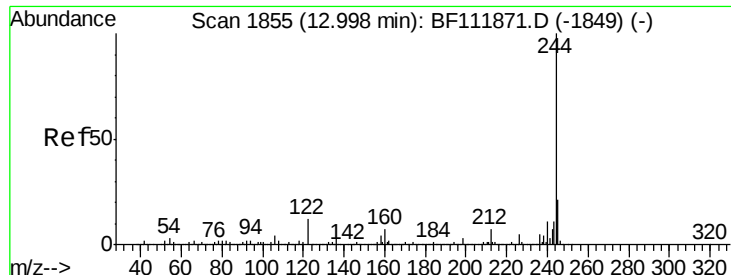
Sohil
1/14/2019 4:10:22 PM



#78
Pyrene
Concen: 4.681 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.6	21.8





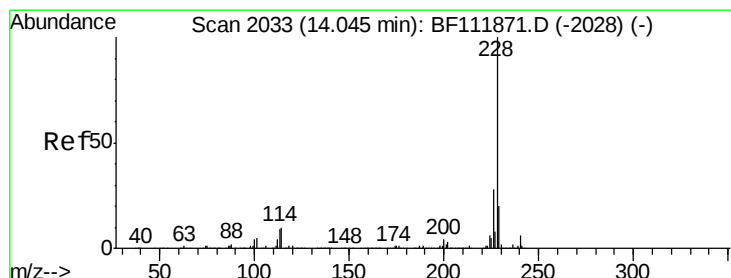
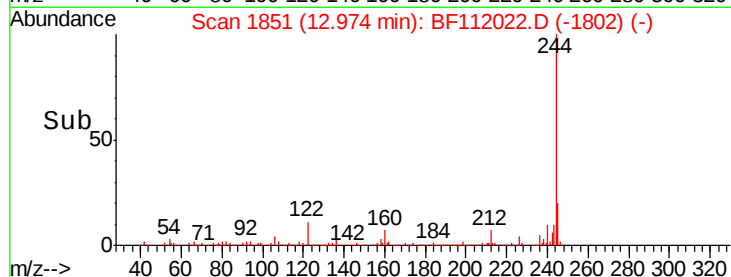
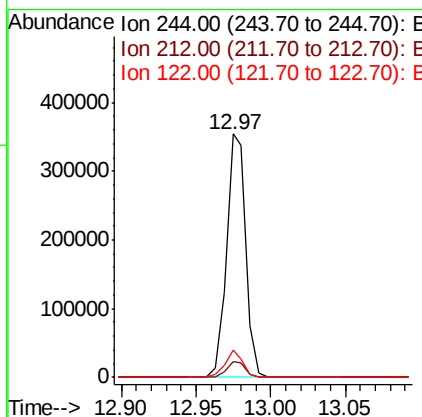
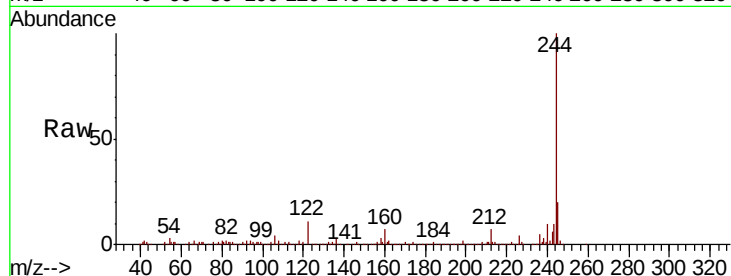
#79
 Terphenyl-d14
 Concen: 21.188 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :
 FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	11.2	9.5	14.3

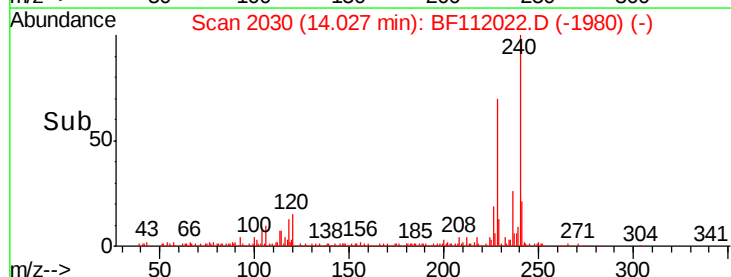
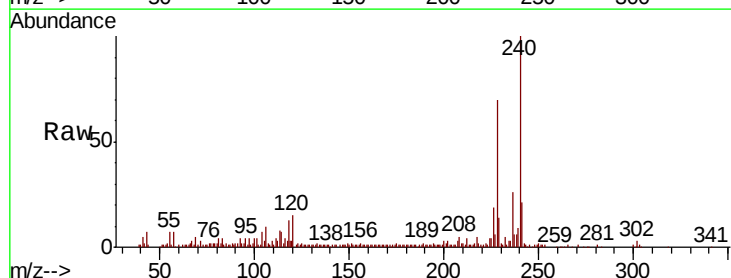
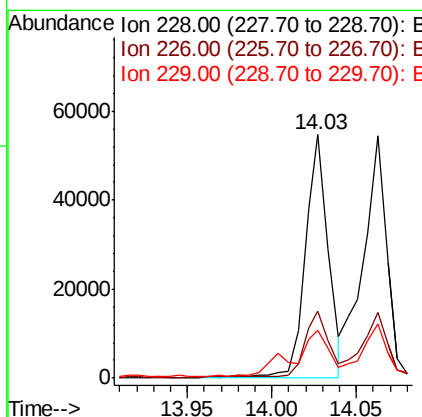
Manual Integrations
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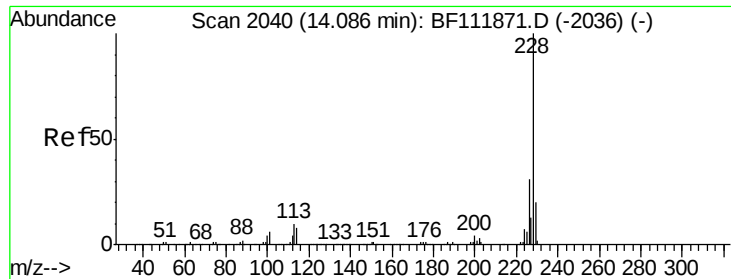
Sohil
 1/14/2019 4:10:22 PM



#81
 Benzo(a)anthracene
 Concen: 3.125 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	19.7	16.2	24.2





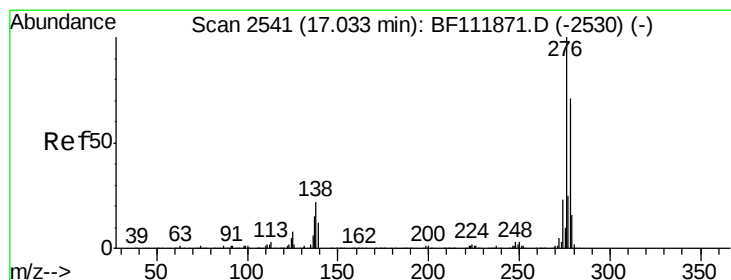
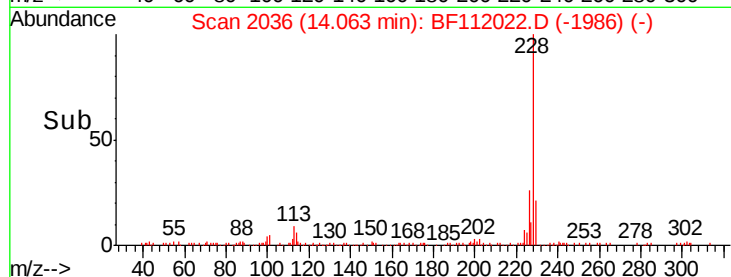
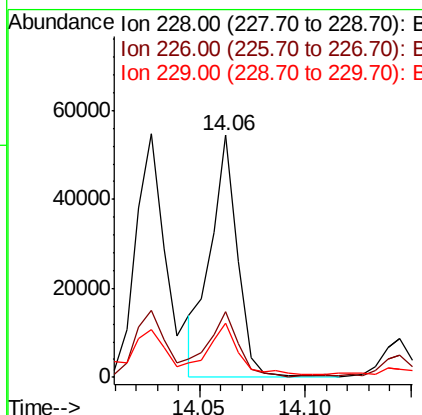
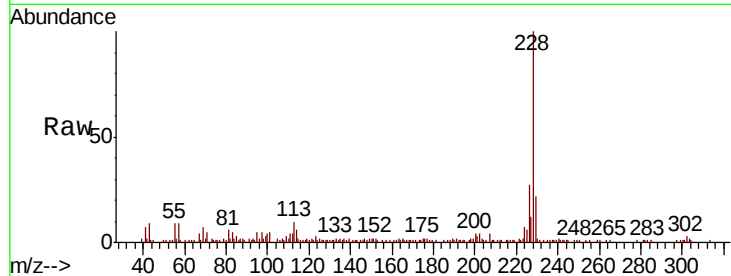
#83
Chrysene
Concen: 3.067 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	24.6	37.0
229	22.1	15.7	23.5

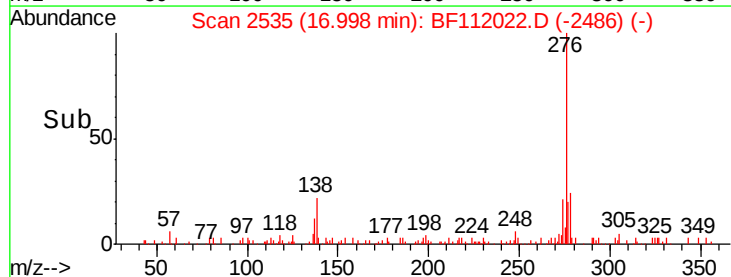
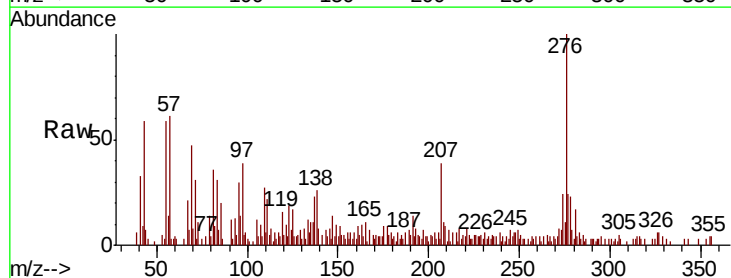
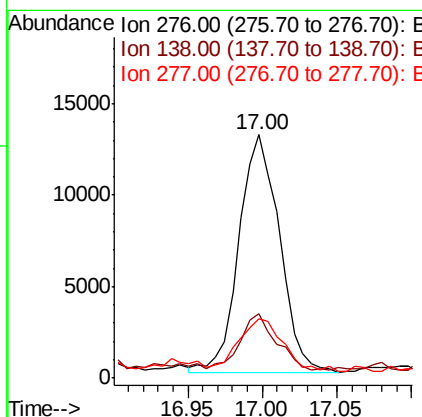
Manual Integrations
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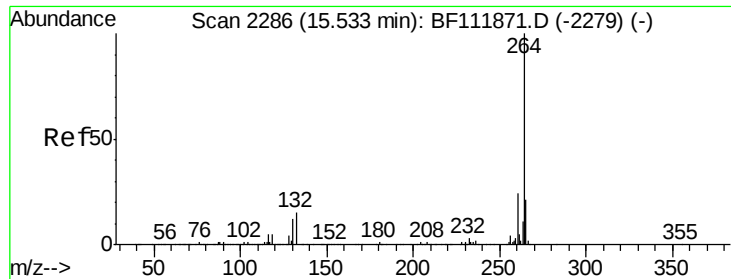
Sohil
1/14/2019 4:10:22 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.115 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	18.1	27.1
277	24.9	19.9	29.9





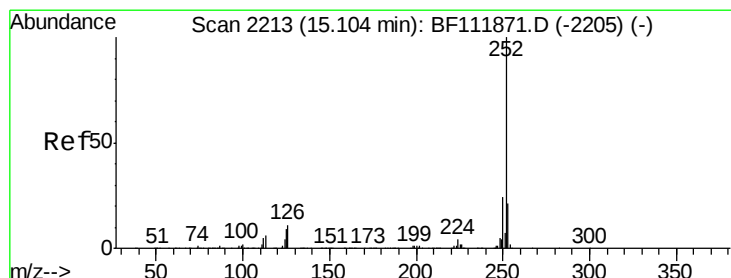
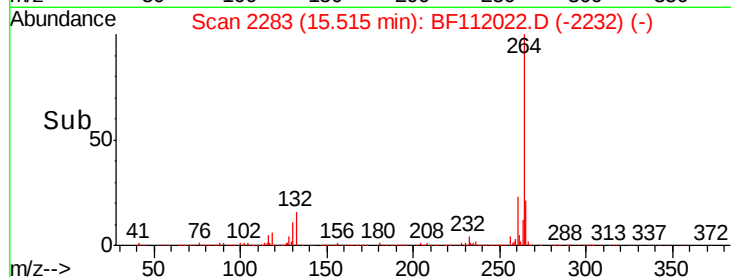
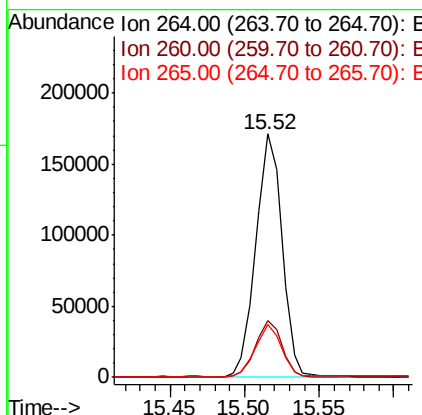
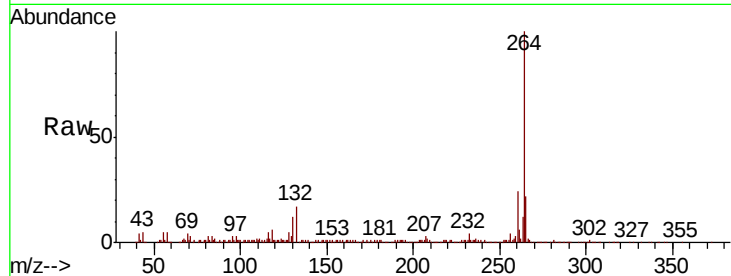
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.1	25.7

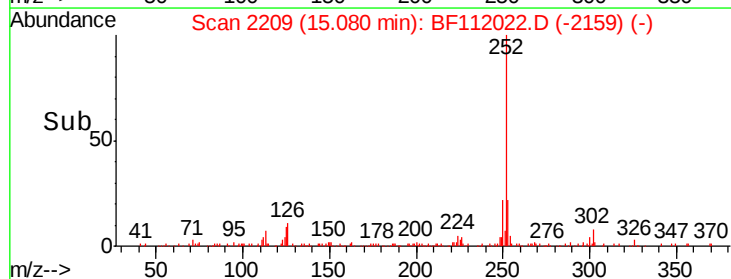
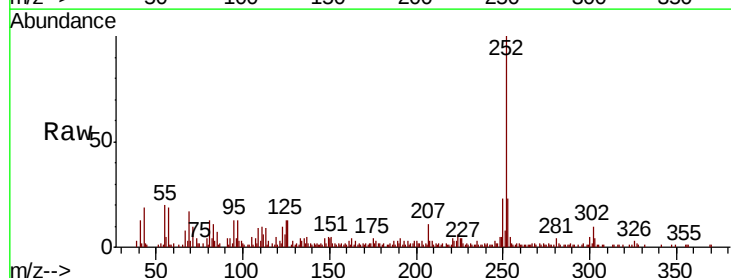
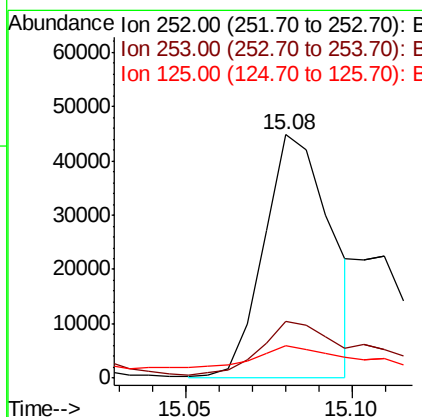
Manual Integrations
APPROVED

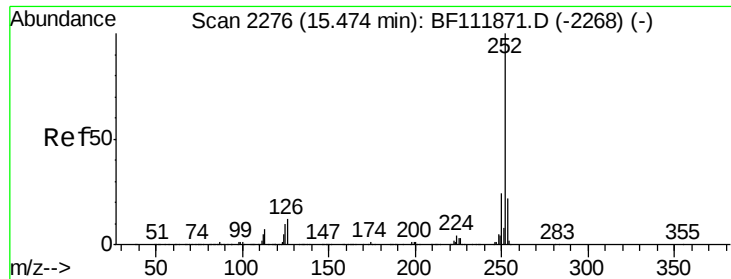
Sohil
1/14/2019 4:10:22 PM



#88
Benzo(b)fluoranthene
Concen: 5.043 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.4	7.1	10.7#





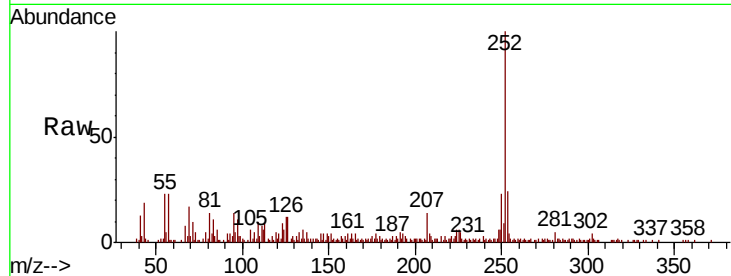
#90
Benzo(a)pyrene
Concen: 3.889 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :
FENCE-SOIL-PILE-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	12.4	7.9	11.9

Manual Integrations
APPROVED

Sohil
1/14/2019 4:10:22 PM

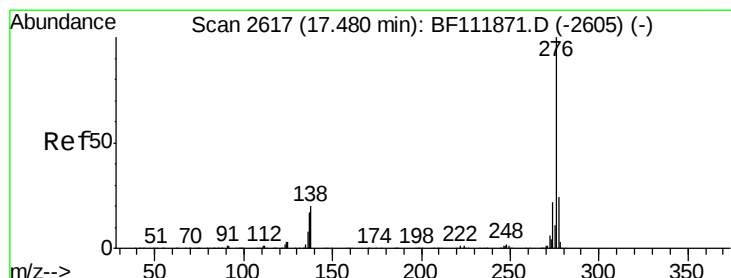
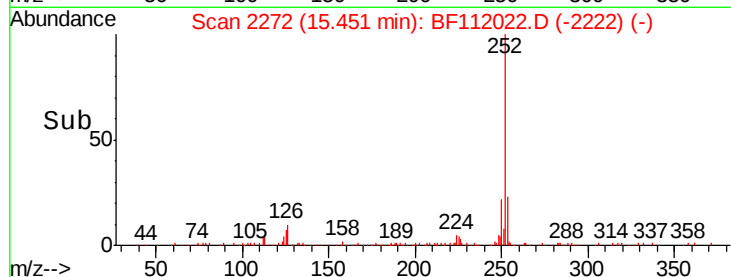
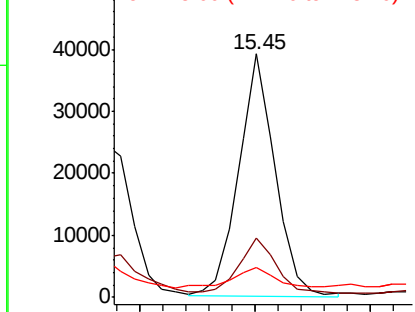


Abundance

Ion 252.00 (251.70 to 252.70): E

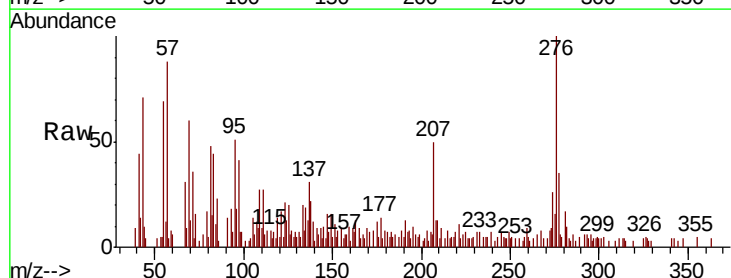
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.718 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	35.2	19.0	28.6
138	22.4	16.2	24.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

