

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
 Data File : BF113644.D
 Acq On : 8 Apr 2019 17:28
 Operator : JU/SJ
 Sample : K2264-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OPEN-WALL-EXCAVATION

Manual Integrations
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 4/9/2019 10:15:47 AM

Quant Time: Apr 09 01:08:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	121389	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	471664	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	236241	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	496299	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	409826	20.00	ng	-0.02
87) Perylene-d12	15.24	264	315187	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	708914	99.59	ng	0.00
7) Phenol-d6	6.33	99	935884	106.67	ng	0.00
23) Nitrobenzene-d5	7.25	82	560289	69.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	308925	108.86	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	1072108	73.06	ng	-0.01
79) Terphenyl-d14	12.77	244	1278400	63.51	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.43	163	138754	7.968	ng	98
71) Phenanthrene	11.22	178	294244	11.931	ng	98
75) Fluoranthene	12.40	202	369296	13.974	ng	99
78) Pyrene	12.63	202	329102	10.554	ng	98
81) Benzo(a)anthracene	13.82	228	145199	6.142	ng	98
83) Chrysene	13.85	228	136368	5.690	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	57309	2.590	ng	97
88) Benzo(b)fluoranthene	14.84	252	132929m	6.890	ng	
89) Benzo(k)fluoranthene	14.86	252	44217m	2.554	ng	
90) Benzo(a)pyrene	15.18	252	91715	5.350	ng	99
92) Benzo(g,h,i)perylene	17.01	276	60228	3.681	ng	96

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

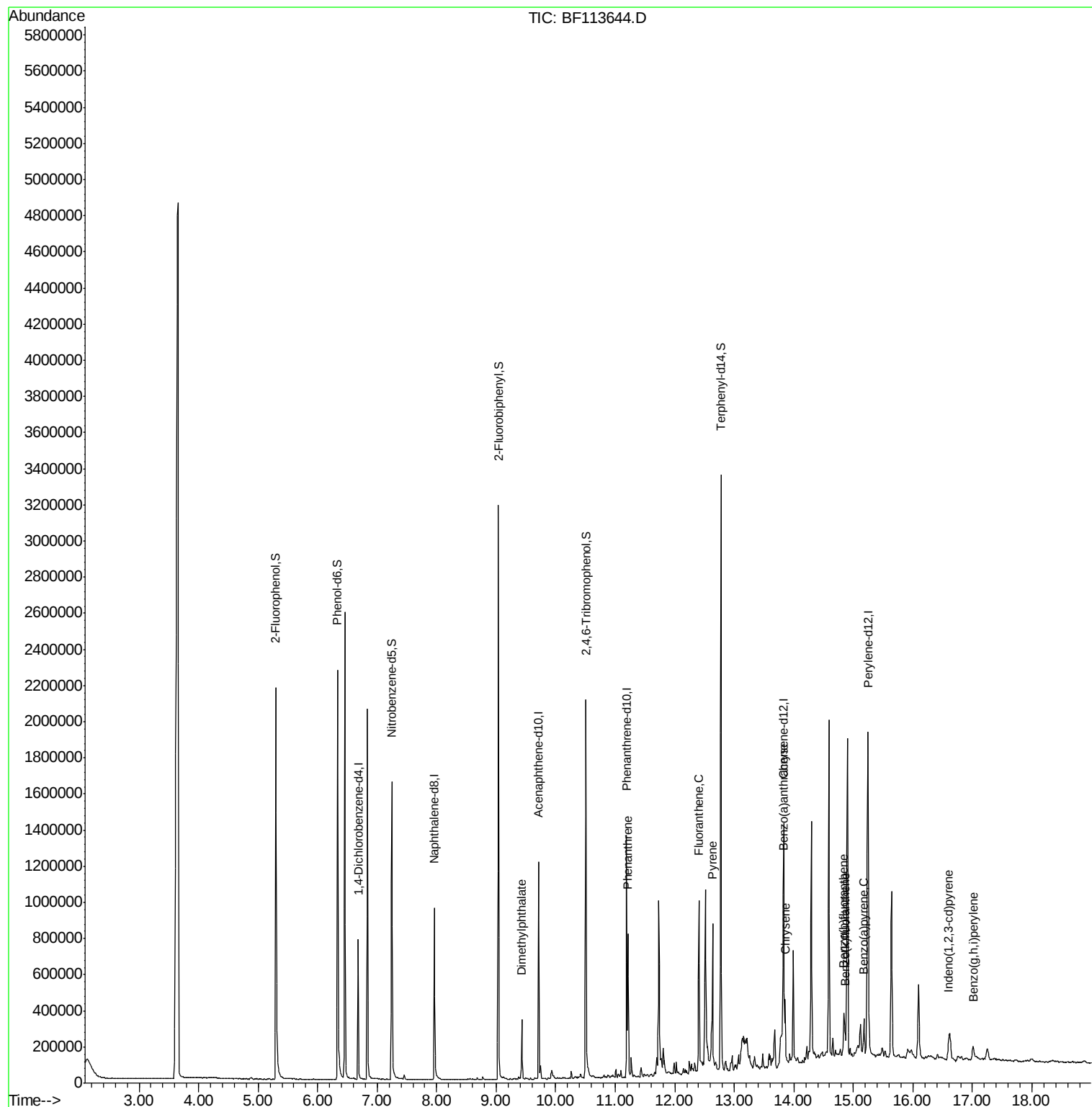
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
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#1

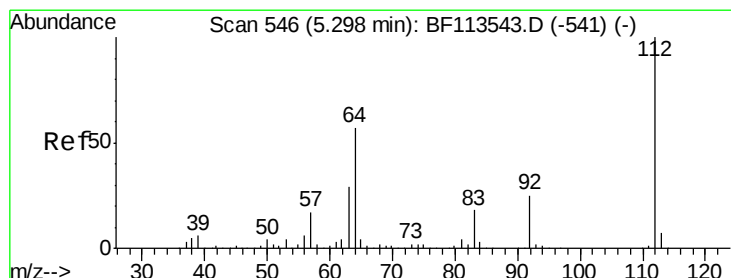
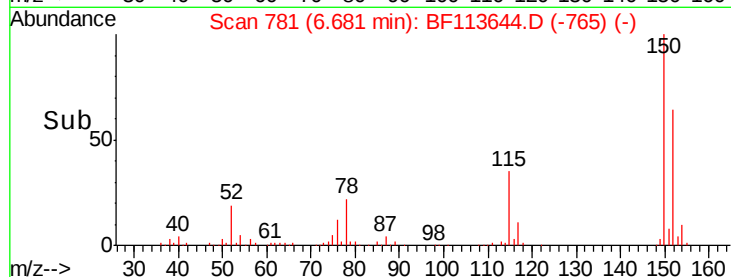
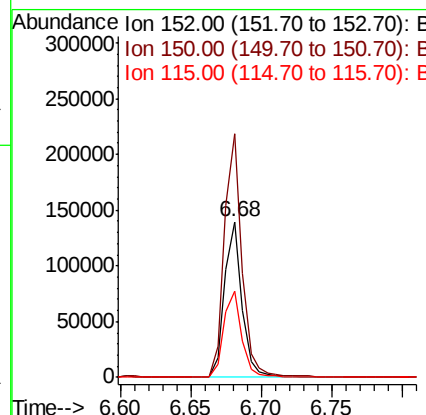
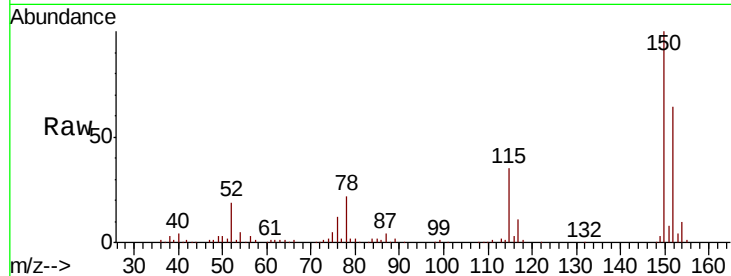
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.7	187.1
115	55.3	46.0	69.0

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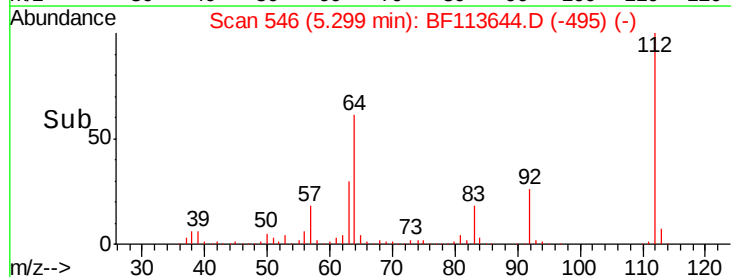
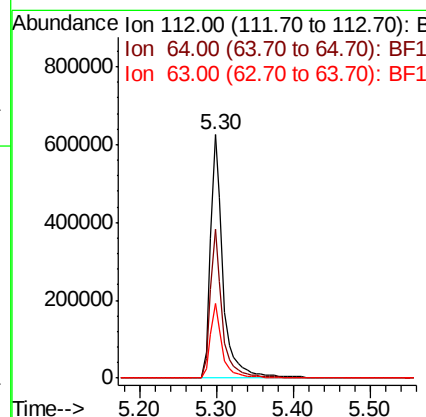
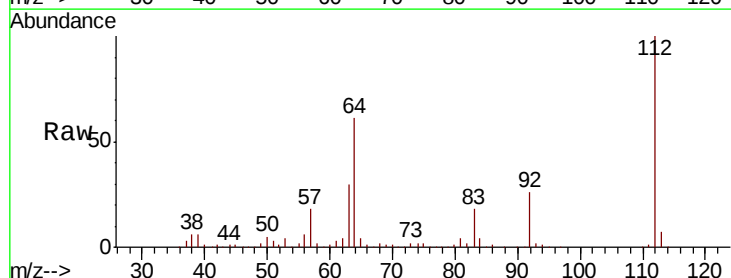
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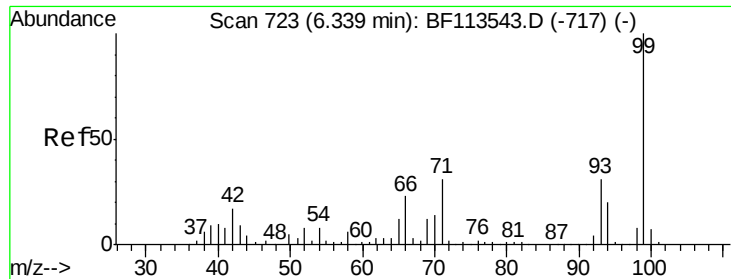


#5

2-Fluorophenol
Concen: 99.586 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.2	73.8
63	30.4	24.9	37.3





#7

Phenol-d6

Concen: 106.669 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113644.D

Acq: 8 Apr 2019 17:28

Instrument :

BNA_F

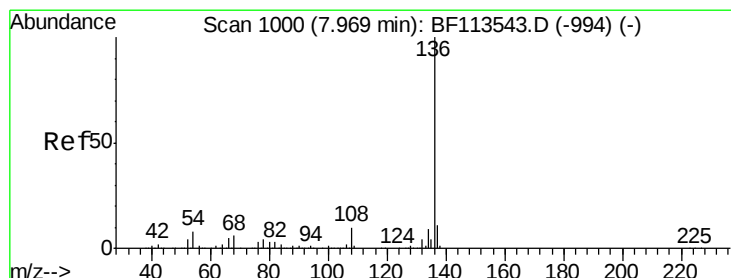
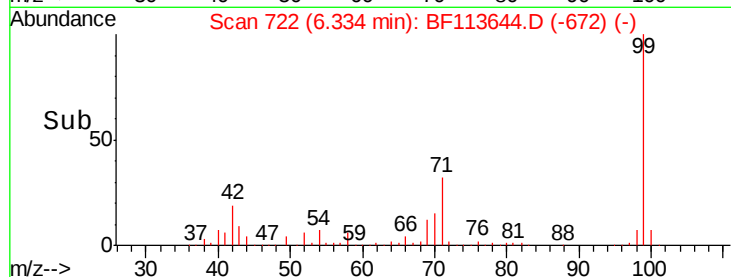
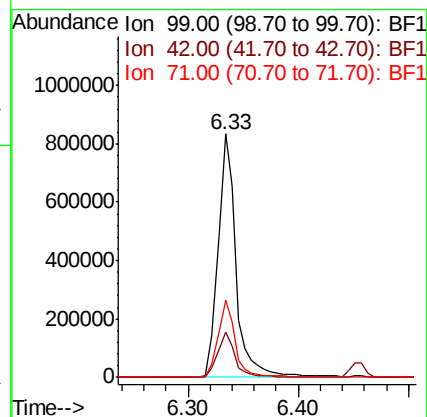
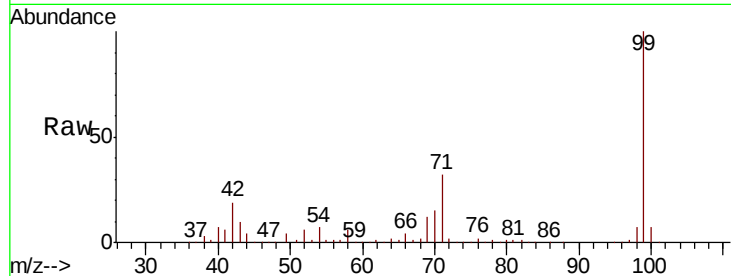
ClientSampleId :

OPEN-WALL-EXCAVATION

Tot Ion:	99	Resp:	935884
Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.8	22.2
71	31.7	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

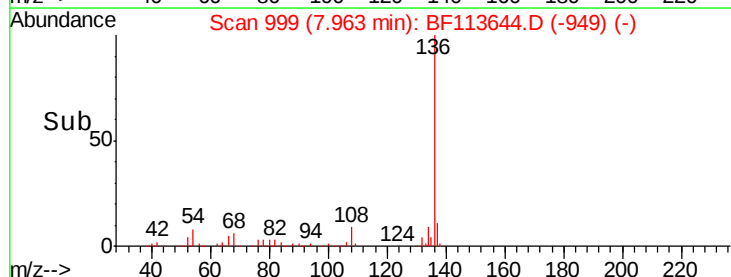
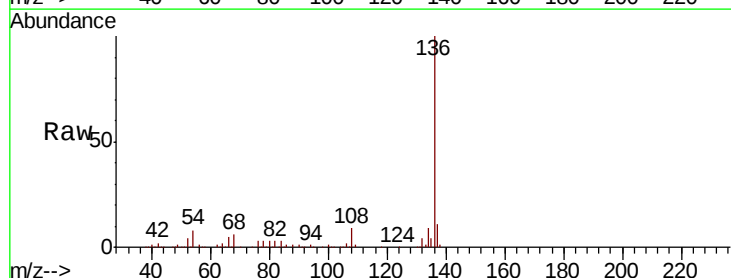
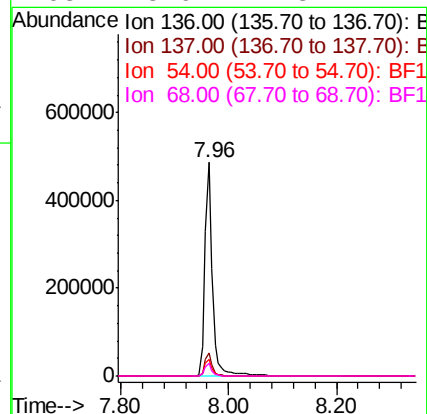
RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113644.D

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Tgt Ion:	136	Resp:	471664
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.7	7.0	10.6
68	5.9	4.8	7.2





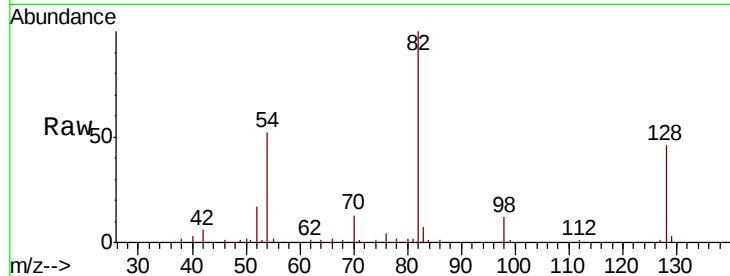
#23
Nitrobenzene-d5
Concen: 69.581 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
OPEN-WALL-EXCAVATION

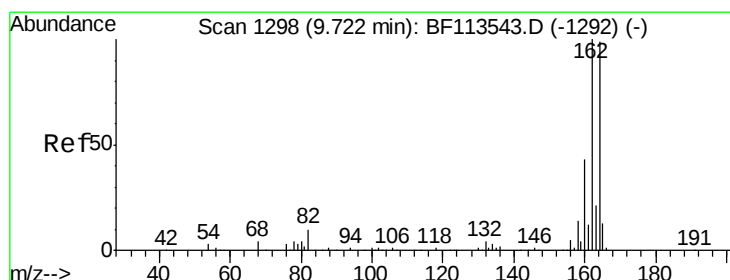
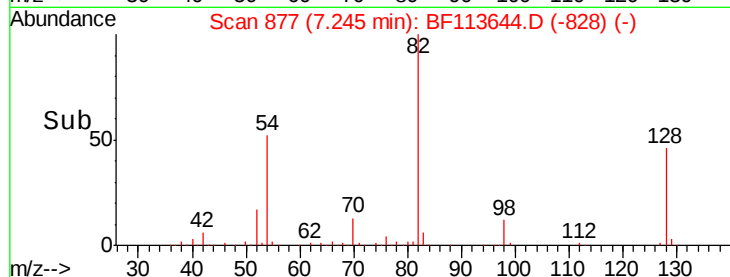
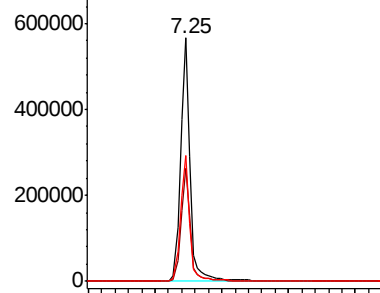
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	51.5	42.2	63.2

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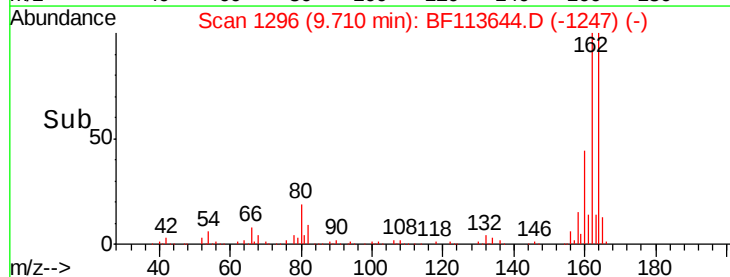
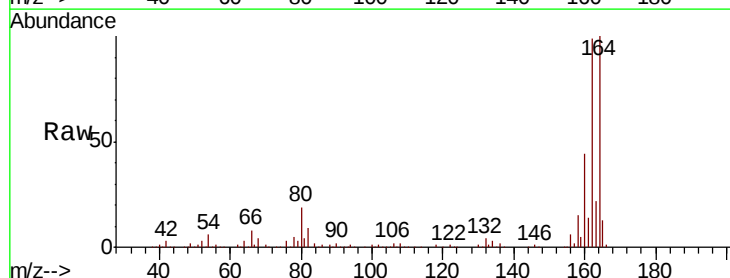
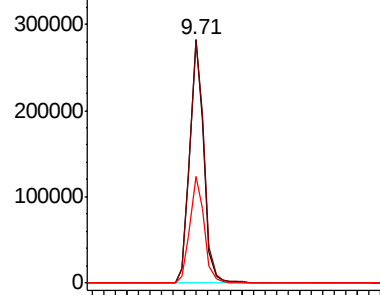
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

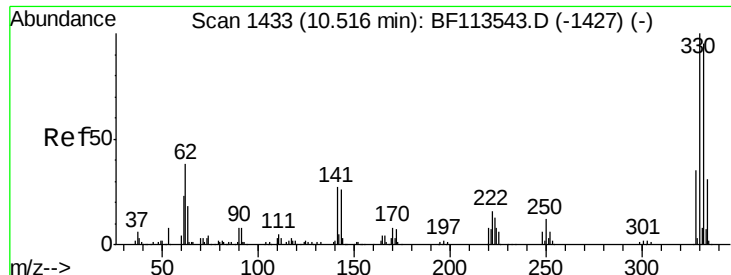


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.8	122.6
160	43.7	36.4	54.6

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





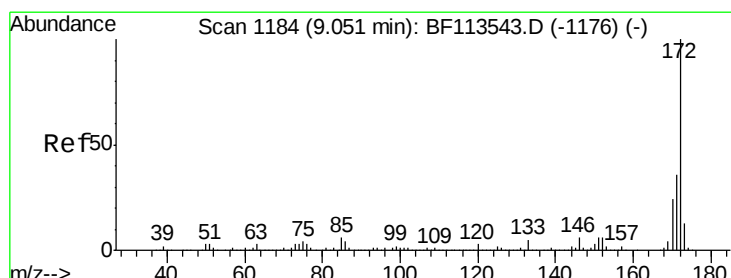
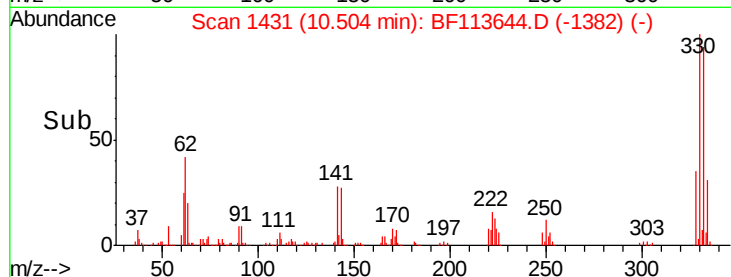
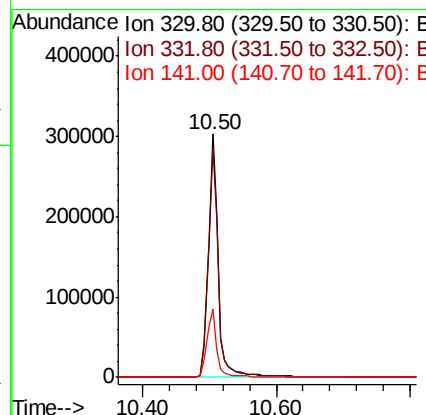
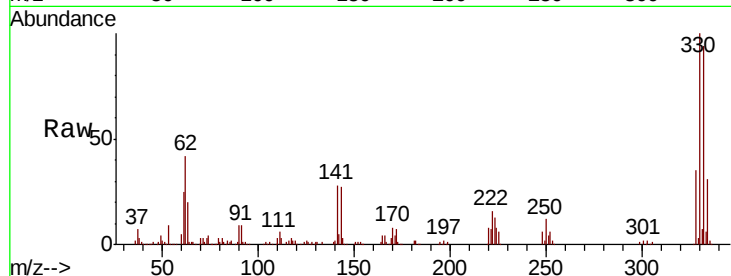
#42
 2,4,6-Tribromophenol
 Concen: 108.860 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113644.D
 Acq: 8 Apr 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :
 OPEN-WALL-EXCAVATION

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.8	116.6	
141	27.4	22.7	34.1	

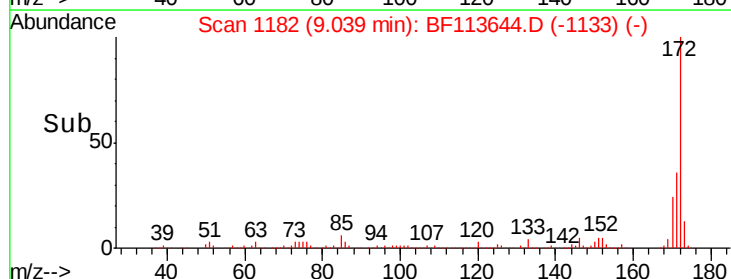
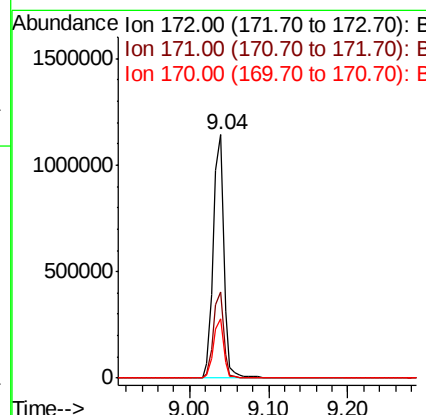
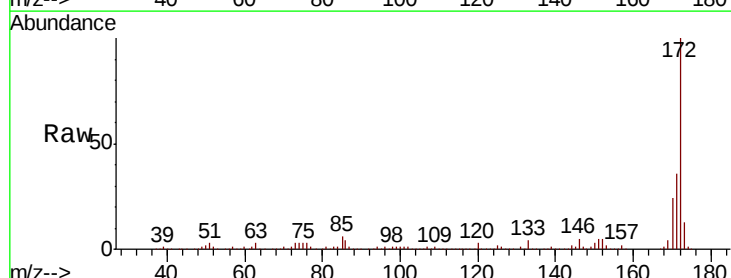
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#45
 2-Fluorobiphenyl
 Concen: 73.060 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113644.D
 Acq: 8 Apr 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.0	43.6	
170	24.1	19.5	29.3	





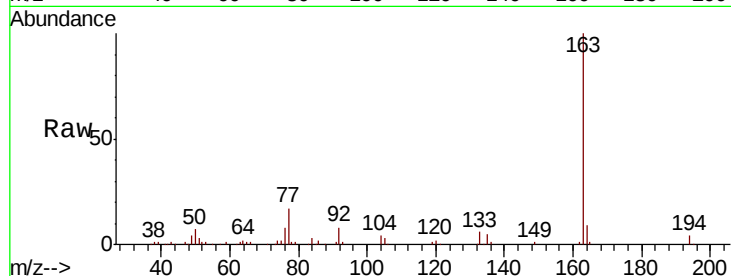
#50
Dimethylphthalate
Concen: 7.968 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
OPEN-WALL-EXCAVATION

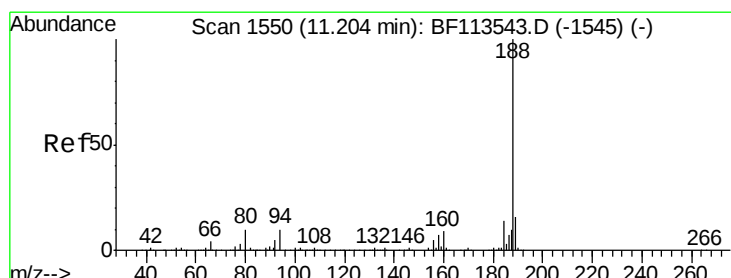
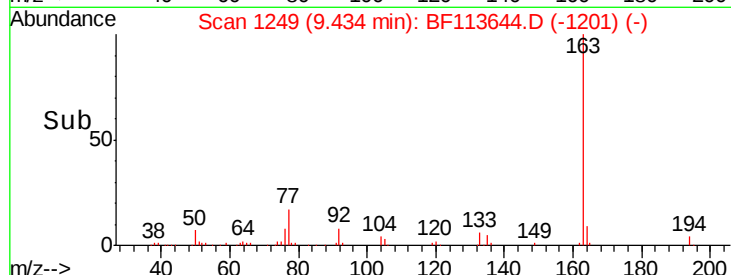
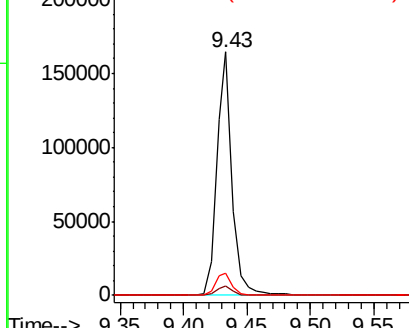
Tot Ion:	163	Resp:	138754
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	9.3	8.1	12.1

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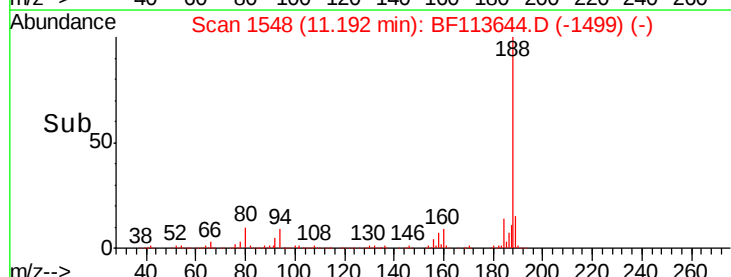
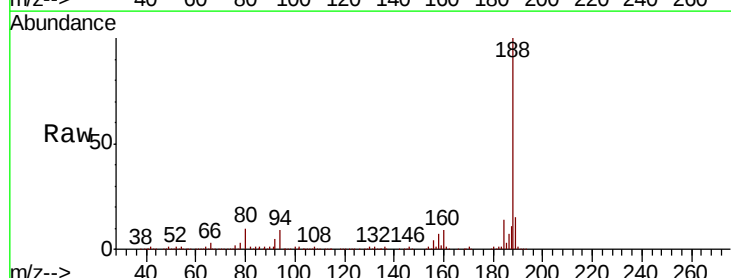
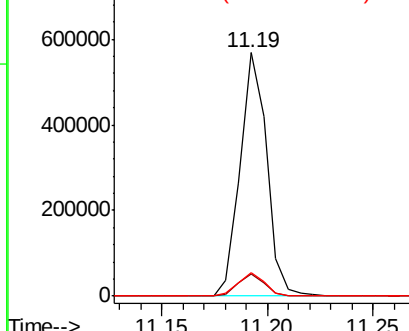
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

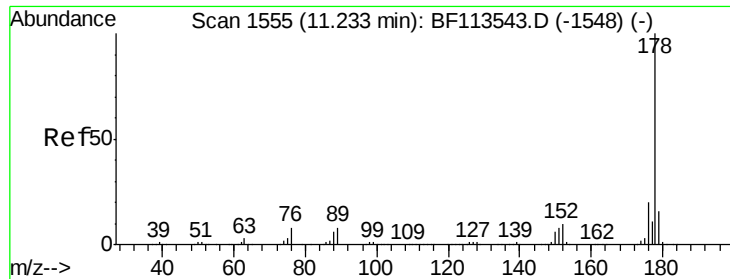


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion:	188	Resp:	496299
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.0	10.6
80	9.7	7.7	11.5

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





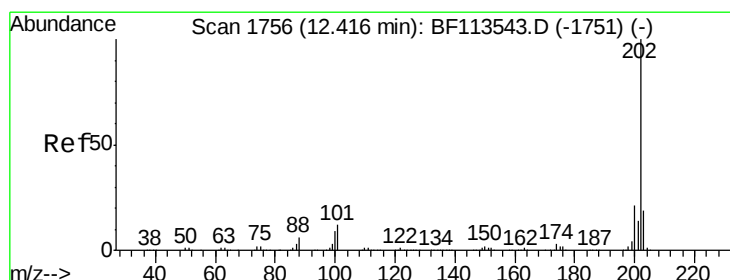
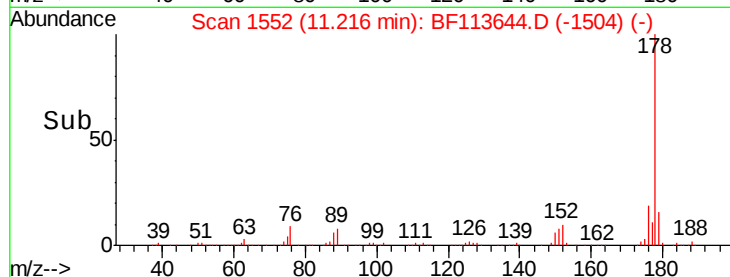
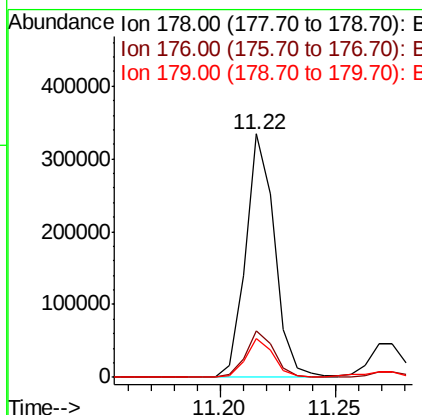
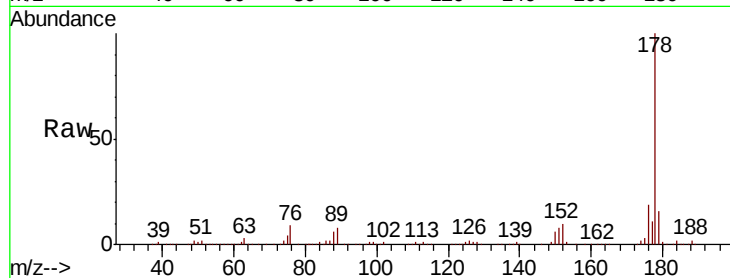
#71
Phenanthrene
Concen: 11.931 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
OPEN-WALL-EXCAVATION

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.2
179	15.8	12.7	19.1

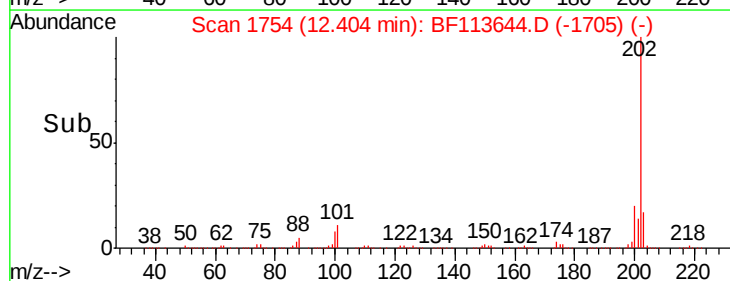
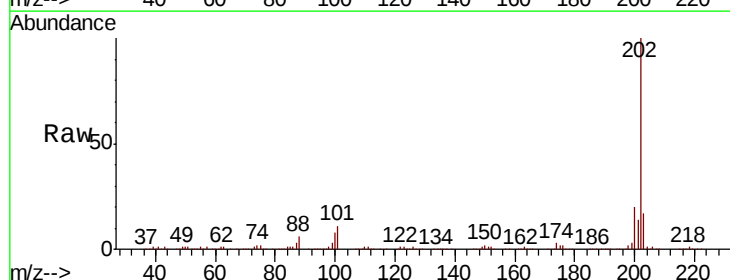
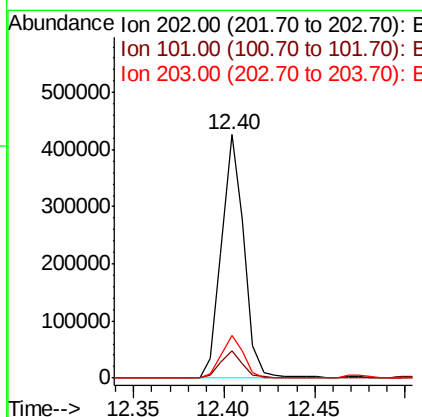
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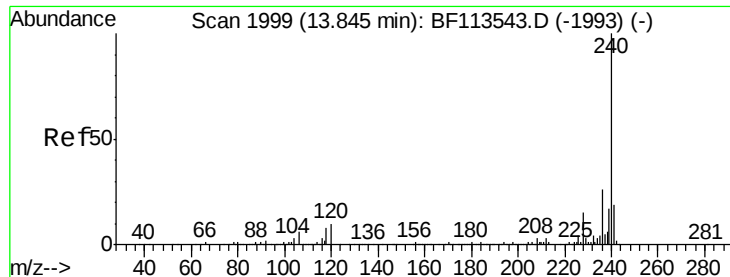
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#75
Fluoranthene
Concen: 13.974 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.4	0.0	38.0





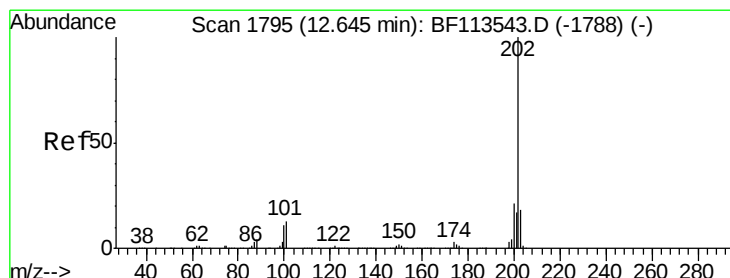
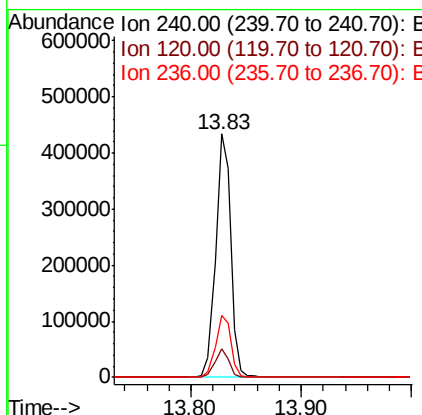
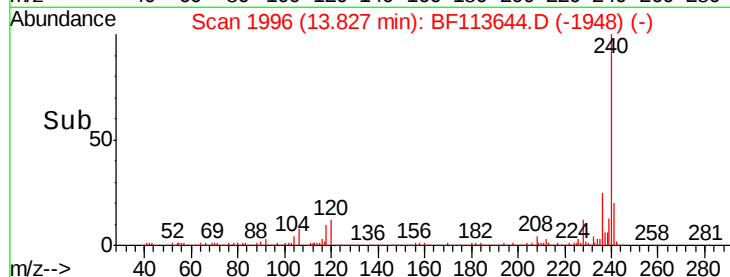
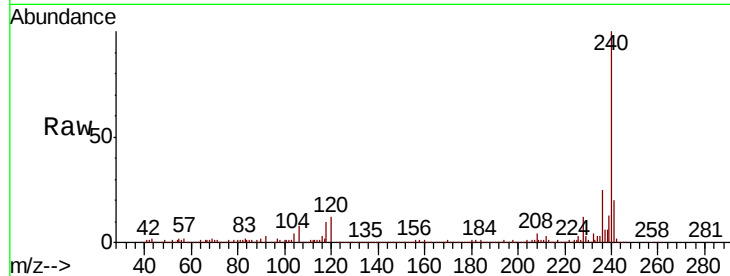
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
OPEN-WALL-EXCAVATION

Tot Ion:	240	Resp:	409826
Ion Ratio	Lower	Upper	
240	100		
120	11.6	8.8	13.2
236	25.4	20.9	31.3

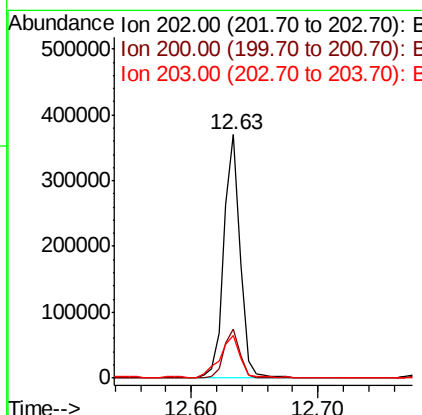
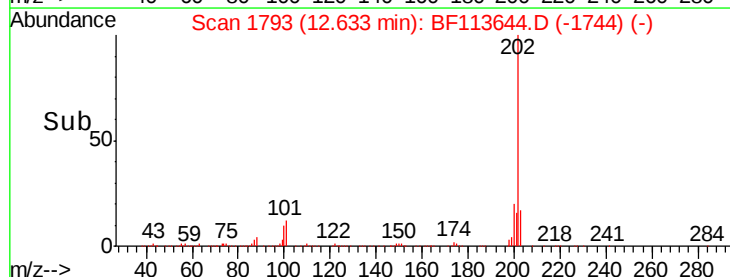
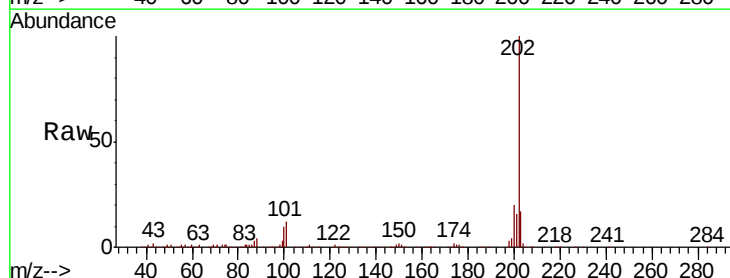
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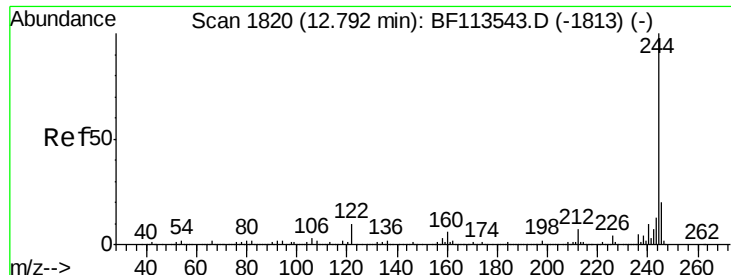
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#78
Pyrene
Concen: 10.554 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion:	202	Resp:	329102
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.8	25.2
203	17.4	14.4	21.6





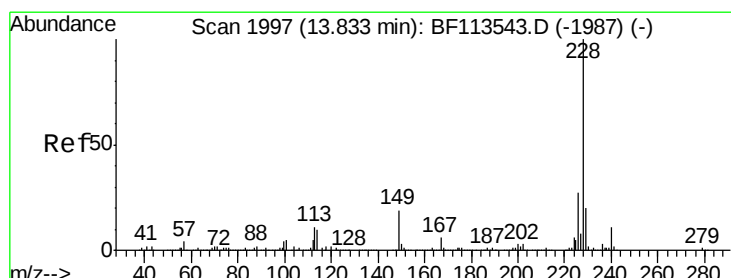
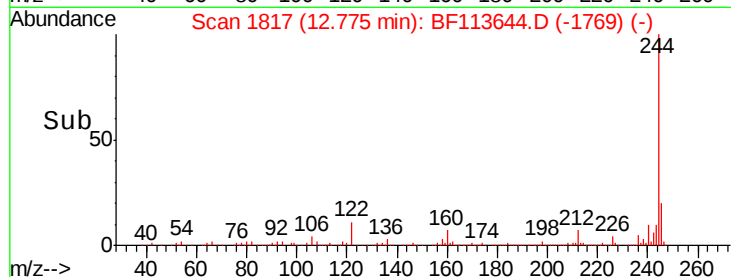
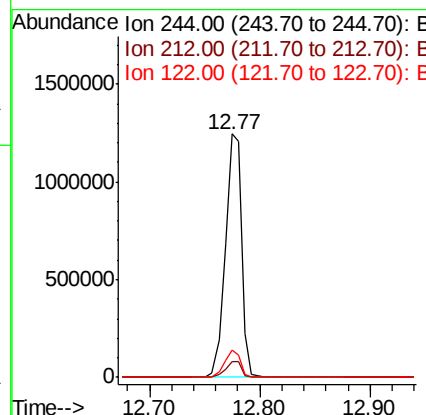
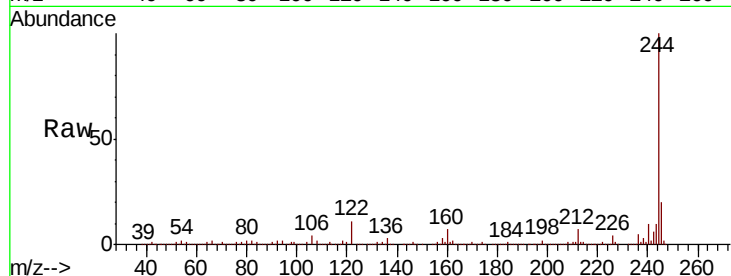
#79
 Terphenyl-d14
 Concen: 63.511 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF113644.D
 Acq: 8 Apr 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :
 OPEN-WALL-EXCAVATION

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	11.3	8.6	13.0

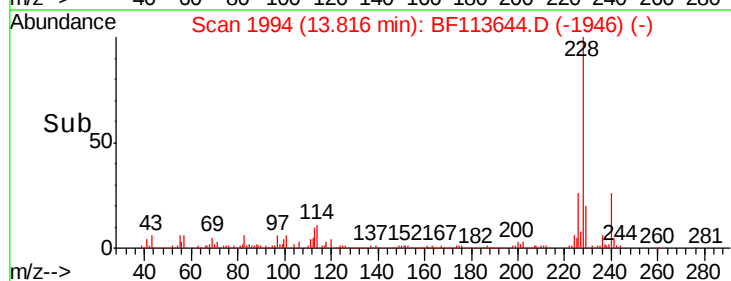
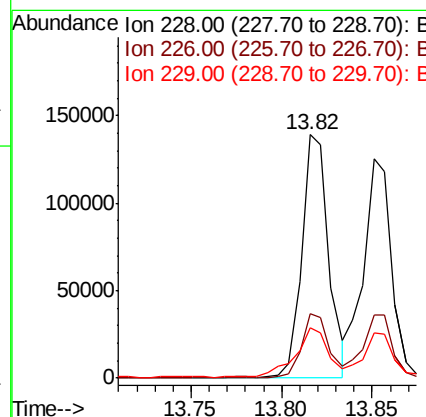
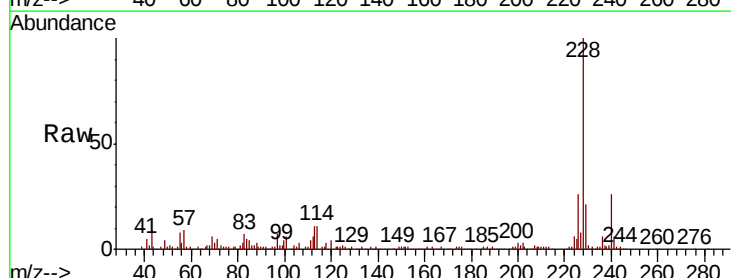
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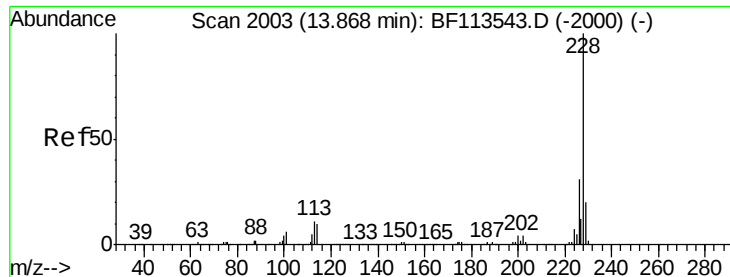
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#81
 Benzo(a)anthracene
 Concen: 6.142 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113644.D
 Acq: 8 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.8	32.8
229	20.8	16.2	24.4





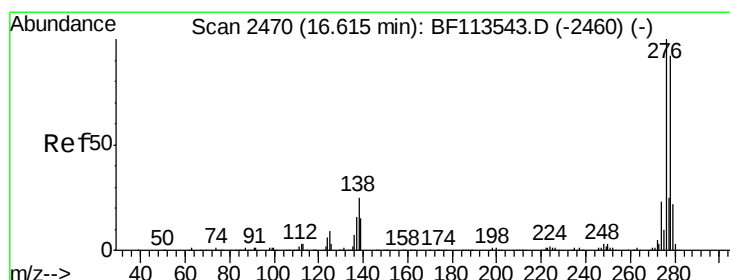
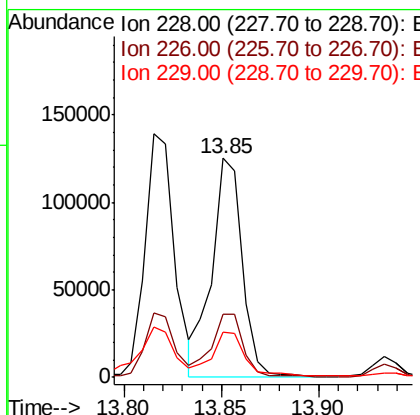
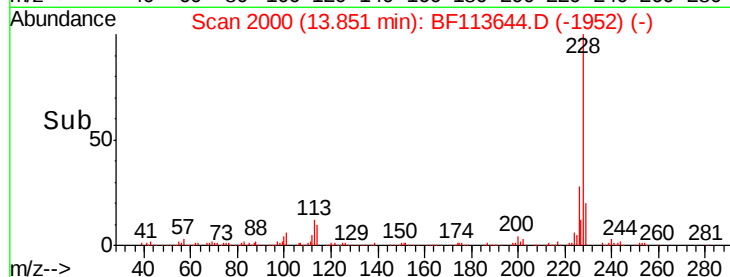
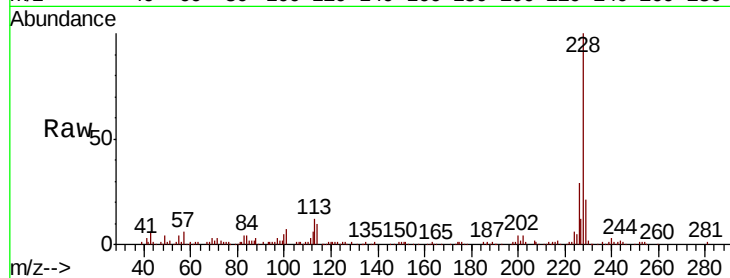
#83
Chrysene
Concen: 5.690 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
OPEN-WALL-EXCAVATION

Tot Ion:	228	Resp:	136368
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.3	36.5
229	20.8	16.3	24.5

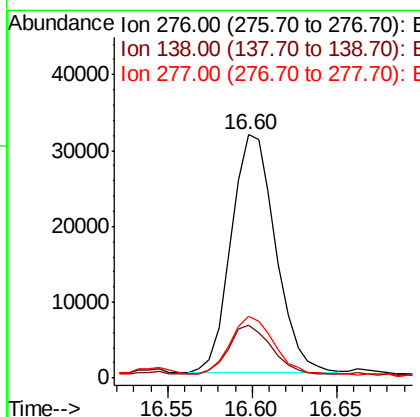
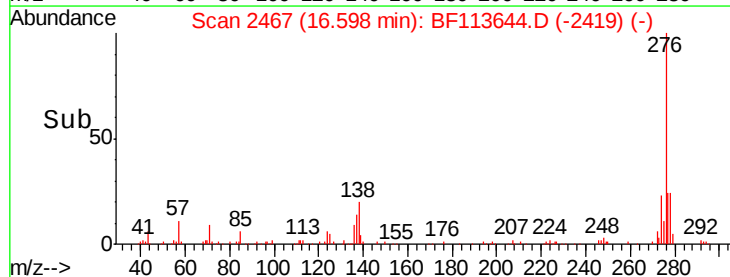
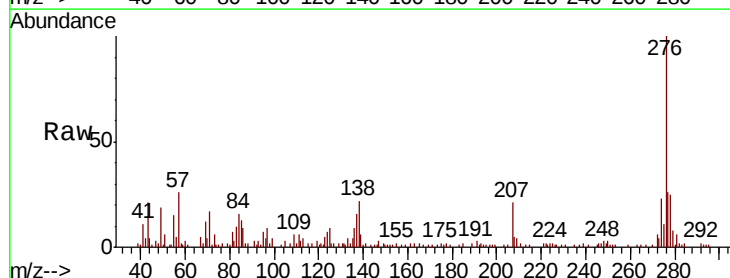
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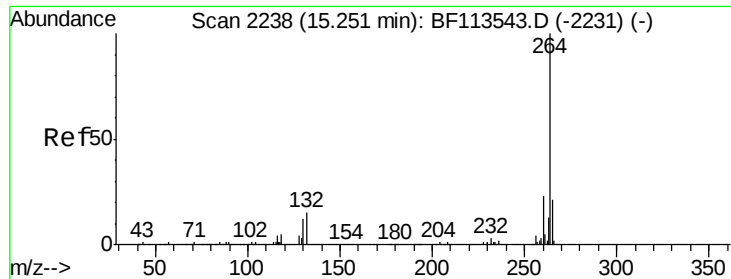
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.590 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.02 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion:	276	Resp:	57309
Ion Ratio	Lower	Upper	
276	100		
138	20.5	18.1	27.1
277	24.7	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113644.D

Acq: 8 Apr 2019 17:28

Instrument :

BNA_F

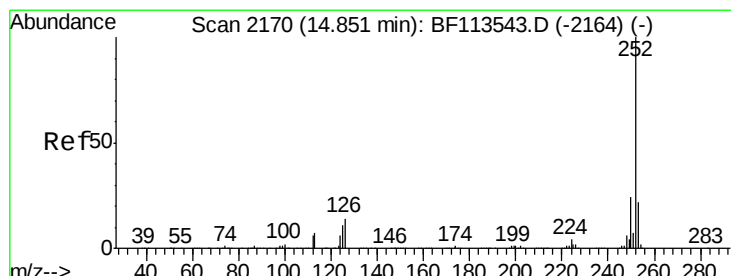
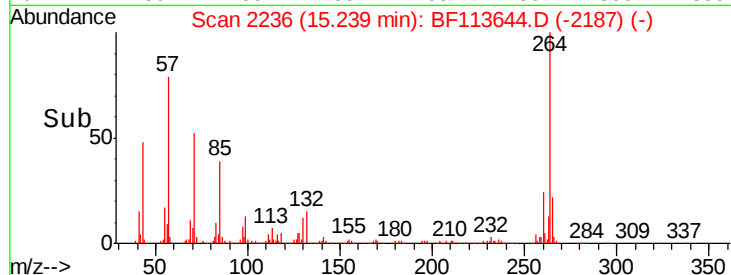
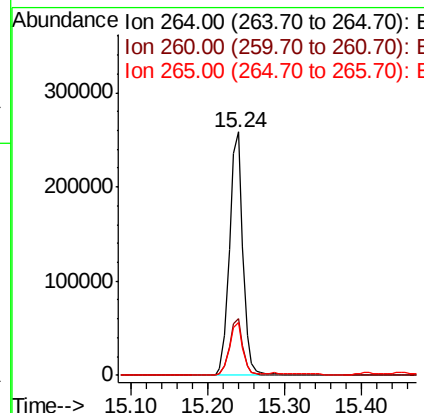
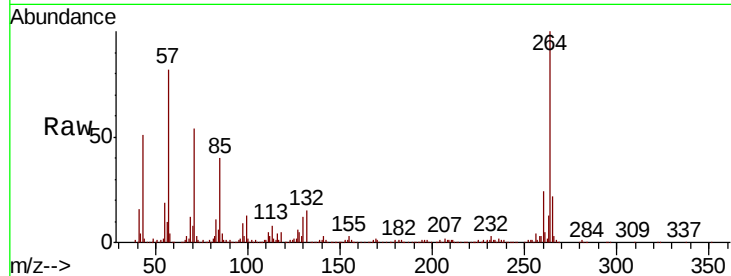
ClientSampled :

OPEN-WALL-EXCAVATION

Tot Ion:	264	Resp:	315187
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.1	28.7
265	21.8	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 6.890 ng m

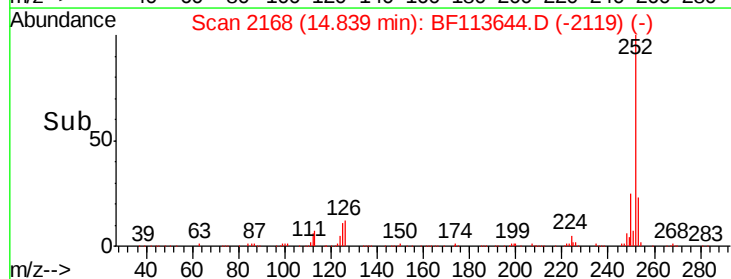
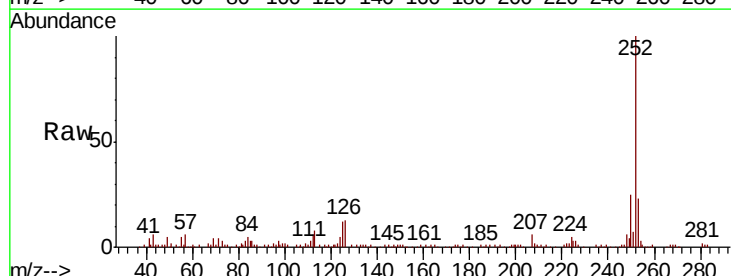
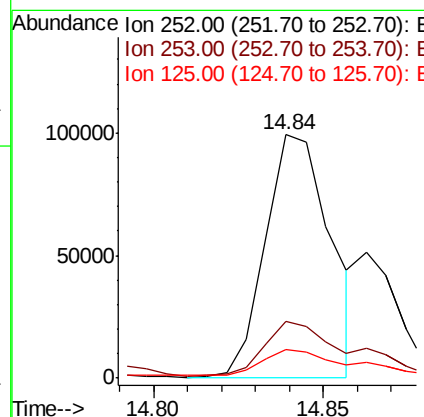
RT: 14.84 min Scan# 2168

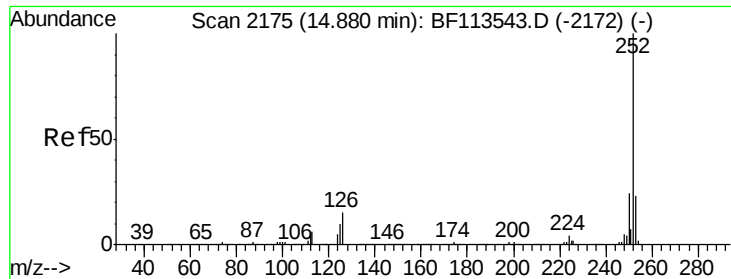
Delta R.T. -0.01 min

Lab File: BF113644.D

Acq: 8 Apr 2019 17:28

Tgt Ion:	252	Resp:	132929
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	11.7	7.6	11.4#





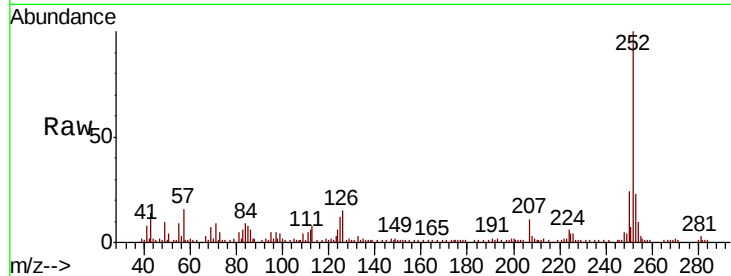
#89
Benzo(k)fluoranthene
Concen: 2.554 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Instrument :
BNA_F
ClientSampleId :
OPEN-WALL-EXCAVATION

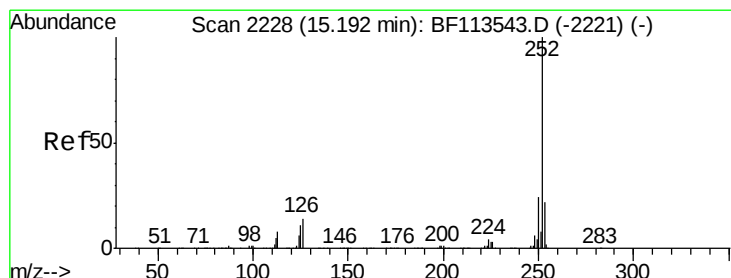
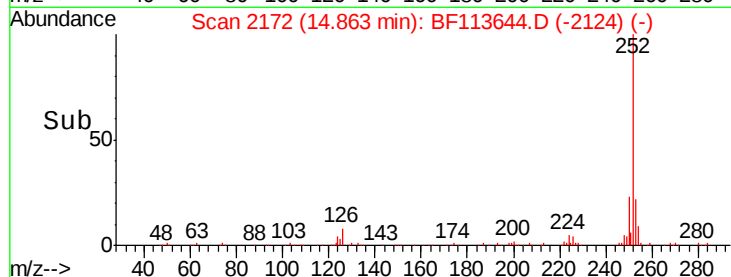
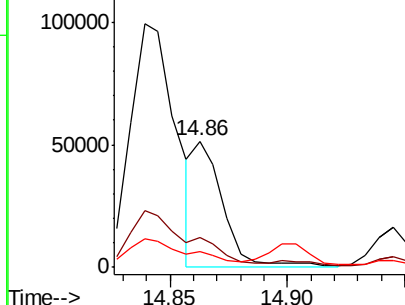
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	12.1	7.3	10.9

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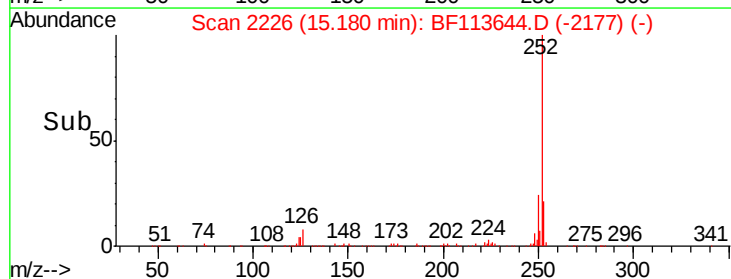
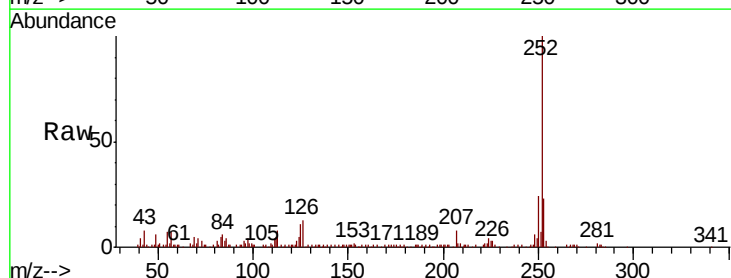
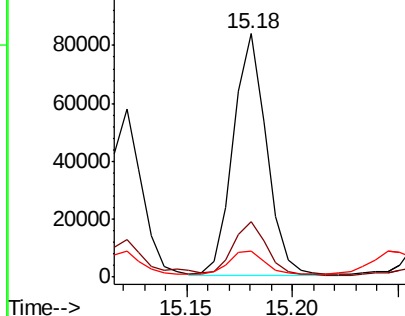
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

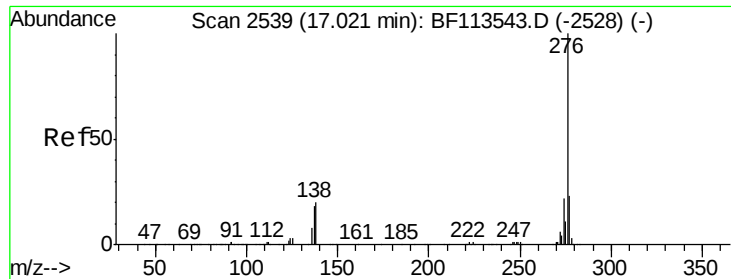


#90
Benzo(a)pyrene
Concen: 5.350 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113644.D
Acq: 8 Apr 2019 17:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.6	8.8	13.2

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(a,h,i)perylene
 Concen: 3.681 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BF113644.D
 Acq: 8 Apr 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :
 OPEN-WALL-EXCAVATION

Tot Ion:	276	Resp:	60228
Ion Ratio		Lower	Upper
276	100		
277	24.5	18.8	28.2
138	22.9	15.6	23.4

Manual Integrations
 APPROVED

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