

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118042.D
 Acq On : 27 Nov 2019 15:53
 Operator : JU
 Sample : K6021-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-004-E

Manual Integrations
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 11/29/2019 8:53:25 AM

Quant Time: Nov 27 16:25:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	136095	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	543988	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	290947	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	513424	20.00	ng	0.00
76) Chrysene-d12	14.07	240	299243	20.00	ng	-0.01
87) Perylene-d12	15.57	264	343838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	736861	95.84	ng	0.00
7) Phenol-d6	6.51	99	976979	105.35	ng	-0.01
23) Nitrobenzene-d5	7.45	82	598538	65.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	274510	89.12	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1163326	71.73	ng	-0.01
79) Terphenyl-d14	13.02	244	1177648	71.92	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.64	163	177342	8.692	ng	98
71) Phenanthrene	11.45	178	457352	17.718	ng	97
72) Anthracene	11.50	178	60802	2.376	ng	98
75) Fluoranthene	12.64	202	306007	6.596	ng	98
78) Pyrene	12.87	202	429339	17.753	ng	98
81) Benzo(a)anthracene	14.07	228	149223	7.546	ng	98
83) Chrysene	14.10	228	157101	8.199	ng	97
86) Indeno(1,2,3-cd)pyrene	17.08	276	52649	3.228	ng	94
88) Benzo(b)fluoranthene	15.13	252	139237m	6.233	ng	
90) Benzo(a)pyrene	15.51	252	97572	4.967	ng	96
92) Benzo(g,h,i)perylene	17.54	276	55304	3.284	ng	96

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

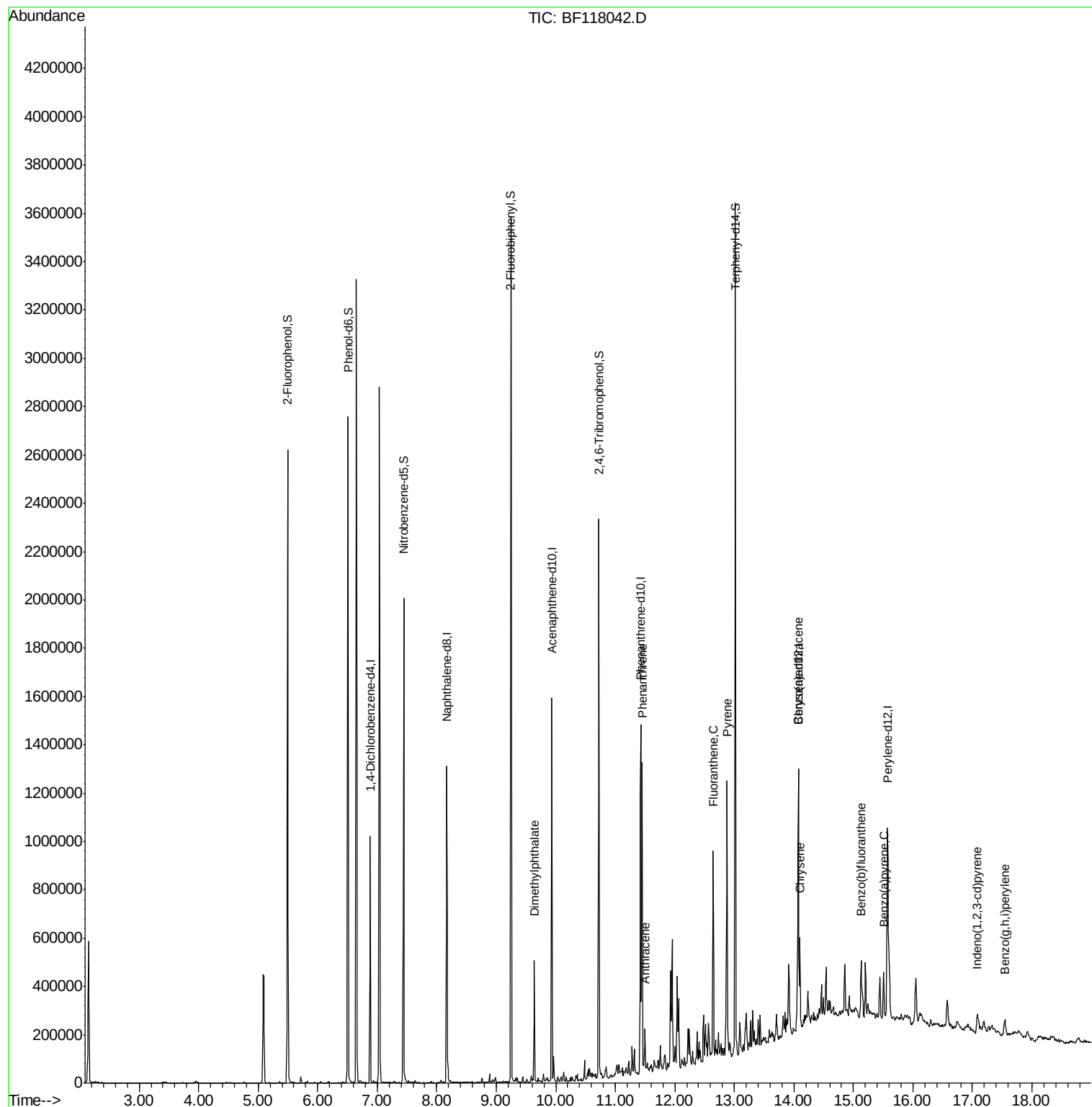
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
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ALS Vial : 7 Sample Multiplier: 1

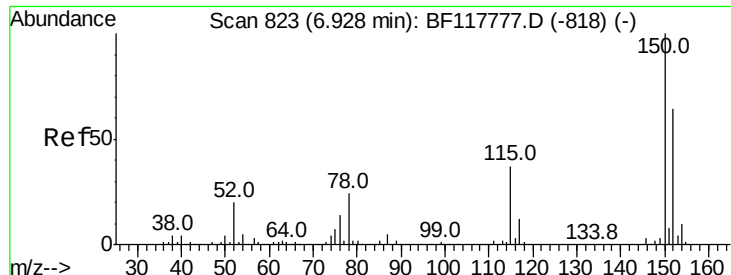
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

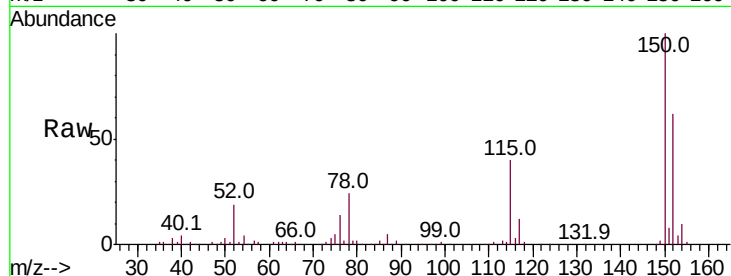
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :
SOIL-004-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	125.3	187.9
115	64.7	47.0	70.4

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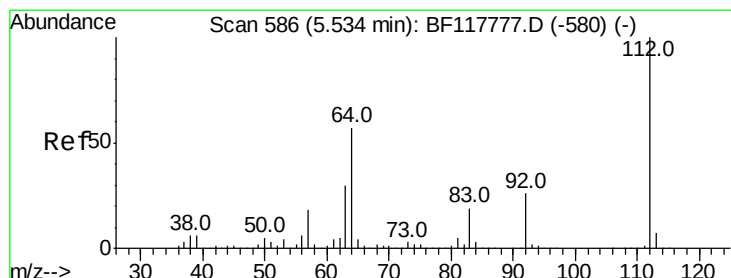
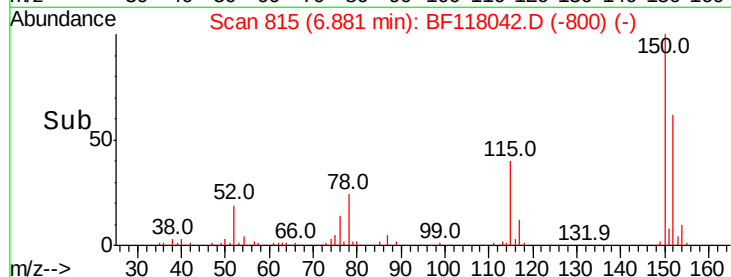
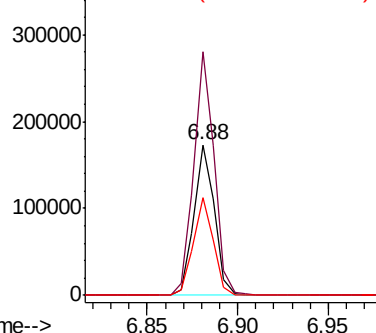


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

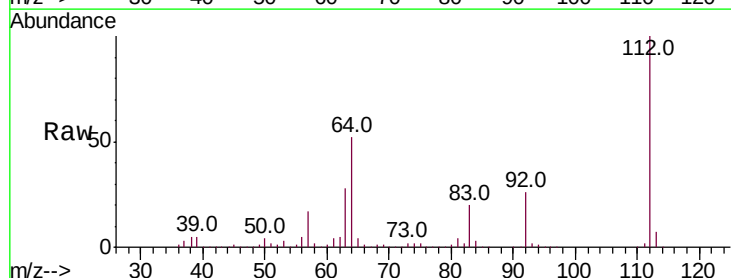
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.839 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.6	68.4
63	28.4	24.1	36.1

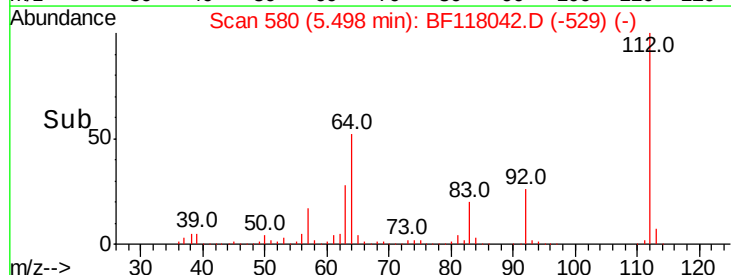
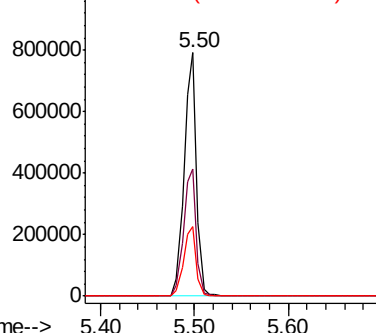


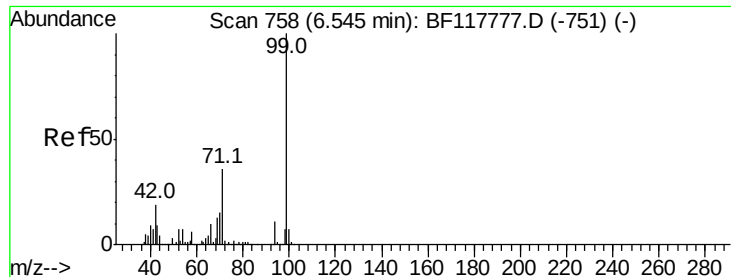
Abundance

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: 105.351 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

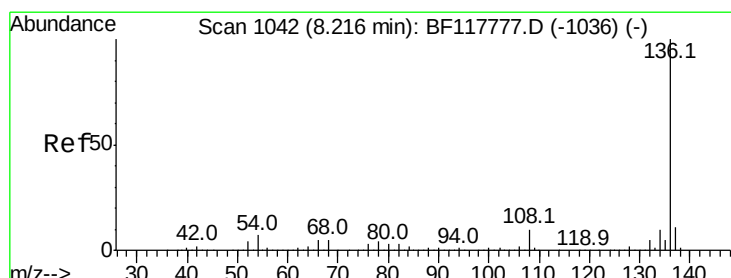
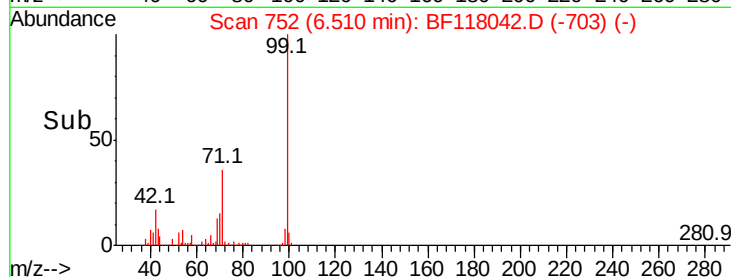
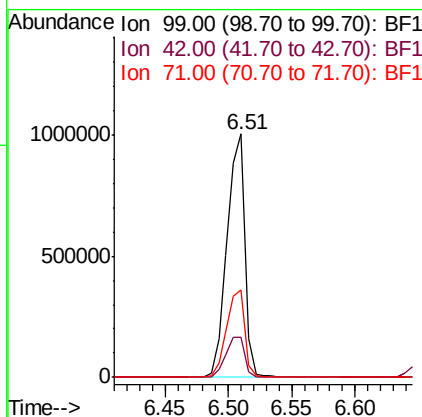
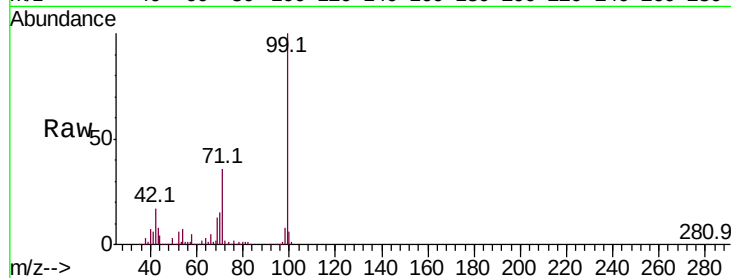
ClientSampleId :

SOIL-004-E

Tot Ion:	99	Resp:	976979
Ion Ratio	Lower	Upper	
99	100		
42	16.6	14.9	22.3
71	36.0	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

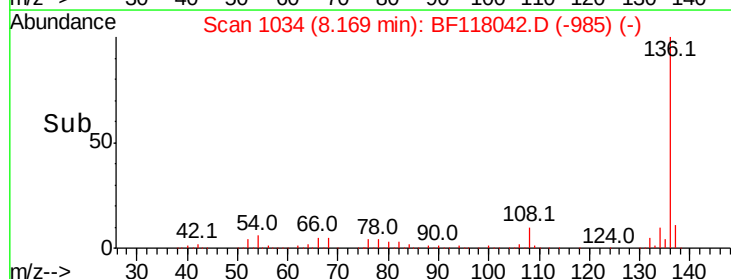
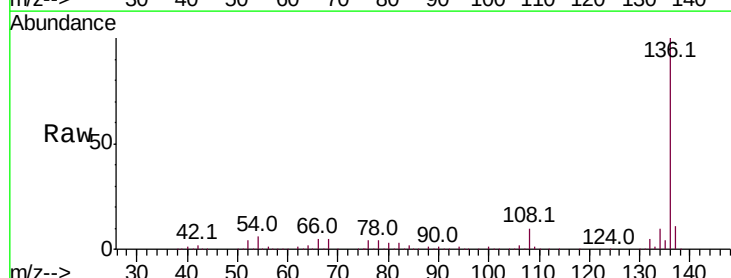
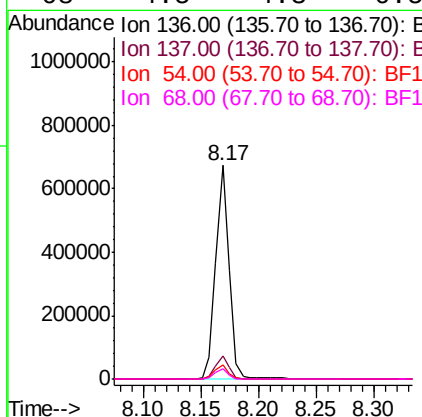
RT: 8.17 min Scan# 1034

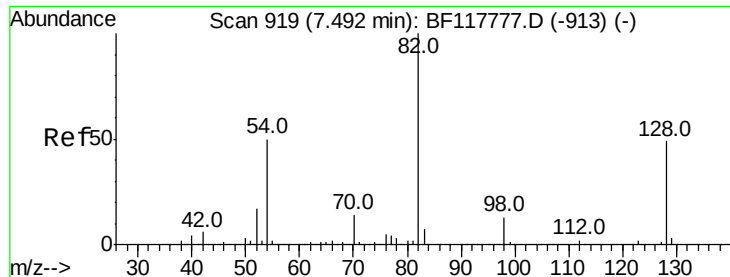
Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Tgt Ion:	136	Resp:	543988
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	6.3	5.4	8.2
68	4.5	4.3	6.5





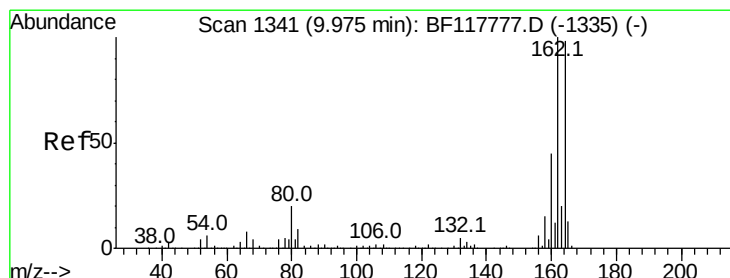
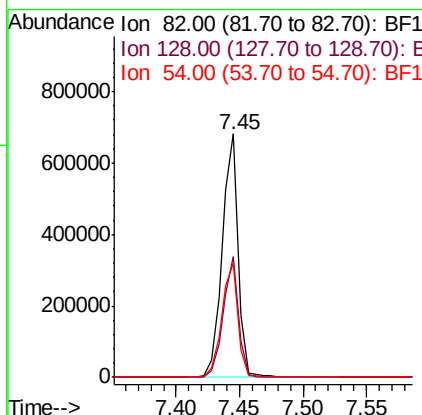
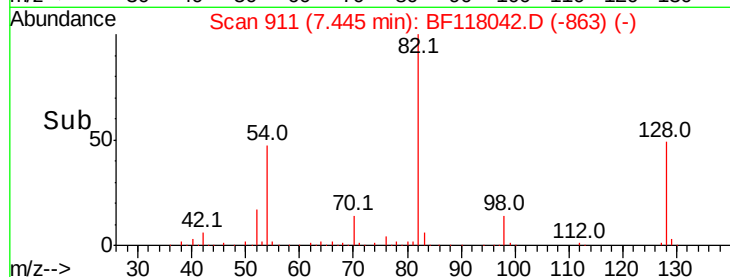
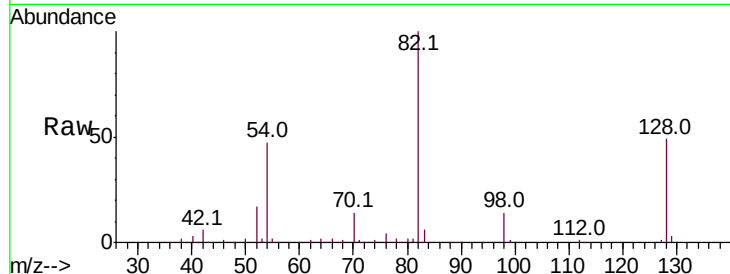
#23
Nitrobenzene-d5
Concen: 65.407 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :
SOIL-004-E

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.4	38.9	58.3	
54	46.7	39.8	59.6	

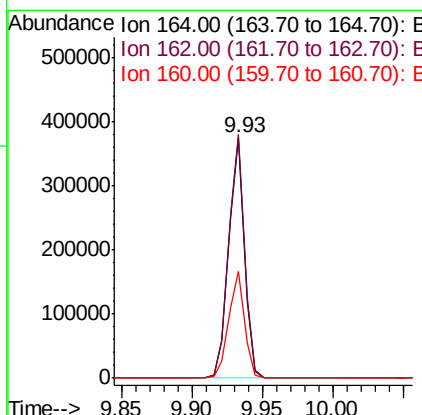
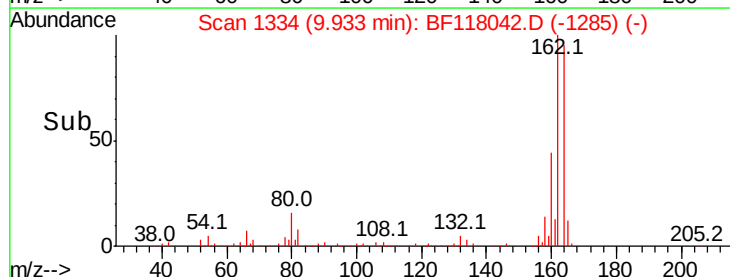
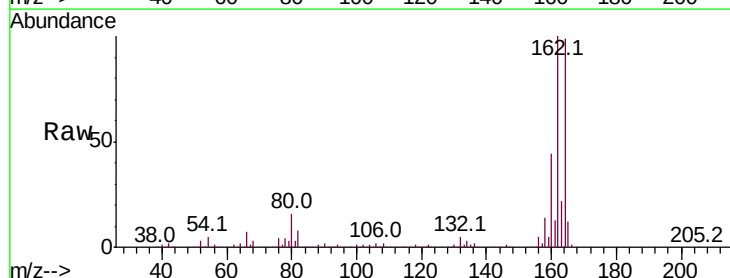
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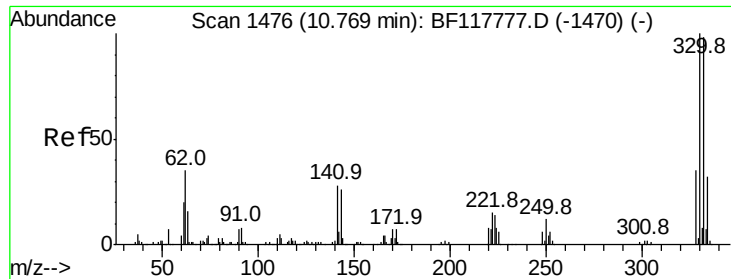
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	81.3	121.9	
160	44.6	36.6	55.0	





#42

2,4,6-Tribromophenol

Concen: 89.120 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

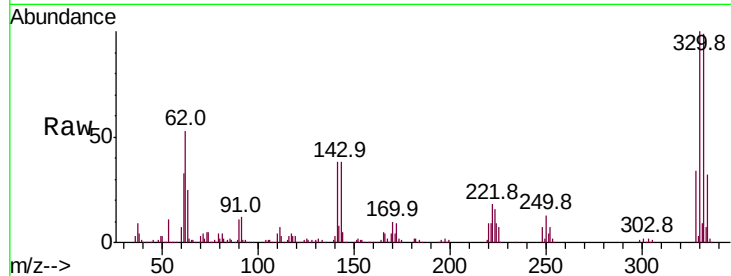
ClientSampleId :

SOIL-004-E

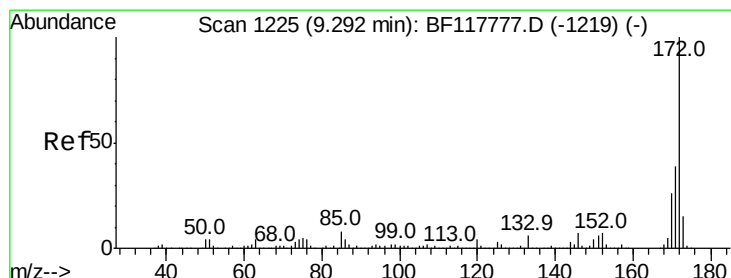
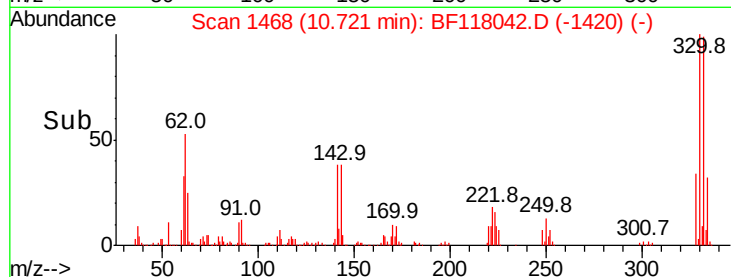
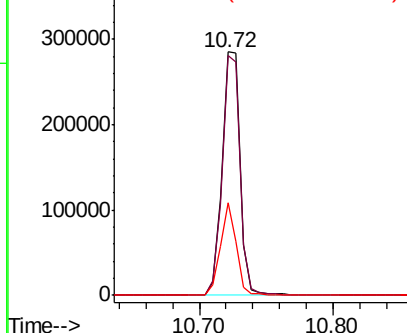
Tot Ion:	330	Resp:	274510
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.7	115.1
141	33.7	27.7	41.5

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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: 71.733 ng

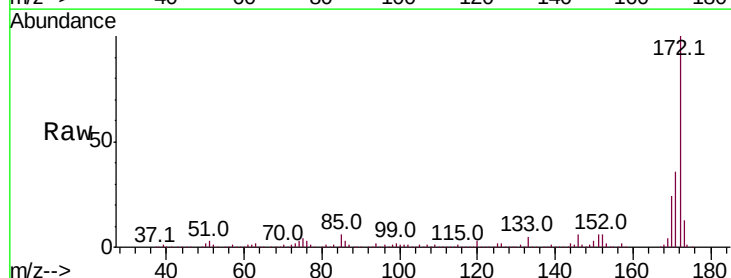
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

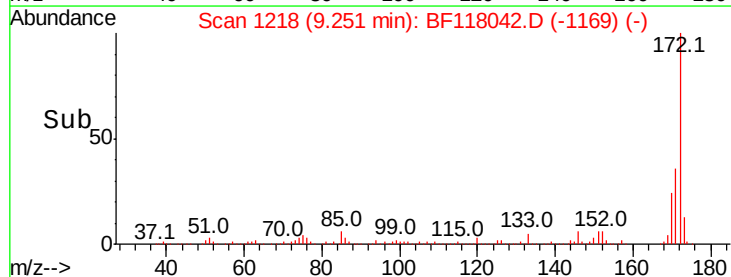
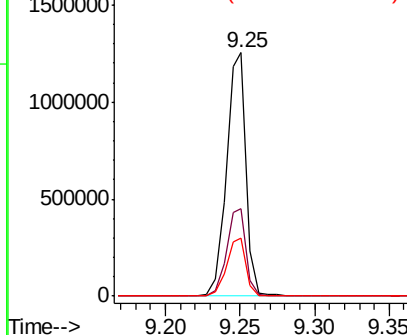
Lab File: BF118042.D

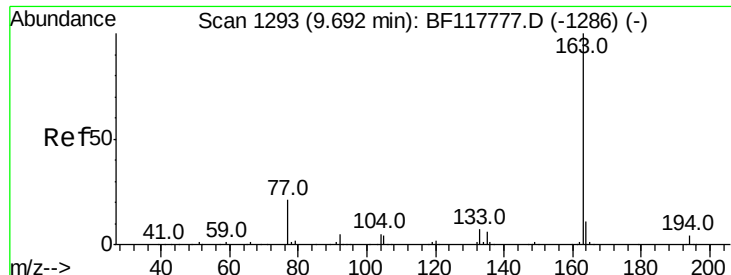
Acq: 27 Nov 2019 15:53

Tgt Ion:	172	Resp:	1163326
Ion Ratio	Lower	Upper	
172	100		
171	35.9	30.9	46.3
170	23.9	21.0	31.4



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





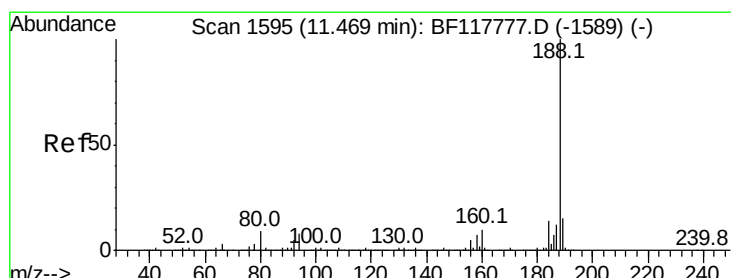
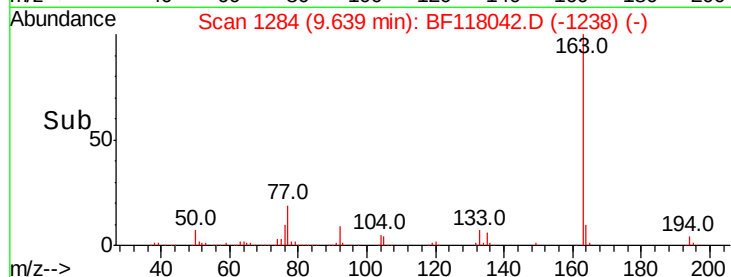
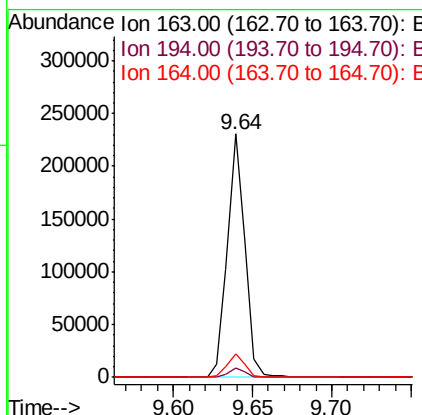
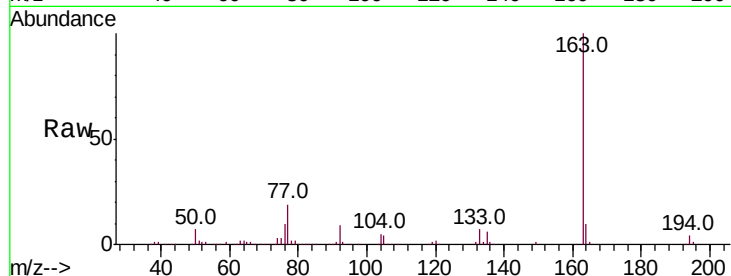
#50
Dimethylphthalate
Concen: 8.692 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.03 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

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BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	177342		
194	4.0	3.3	4.9	
164	9.7	8.7	13.1	

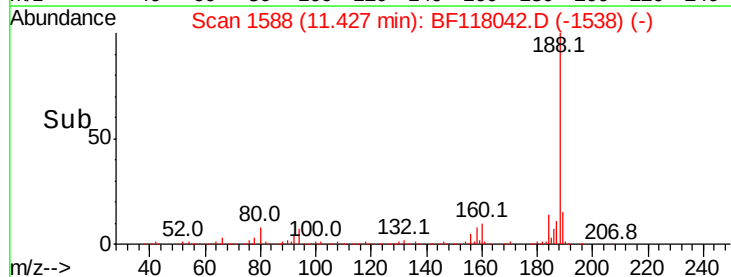
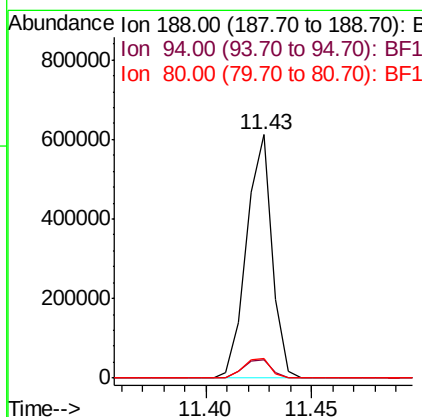
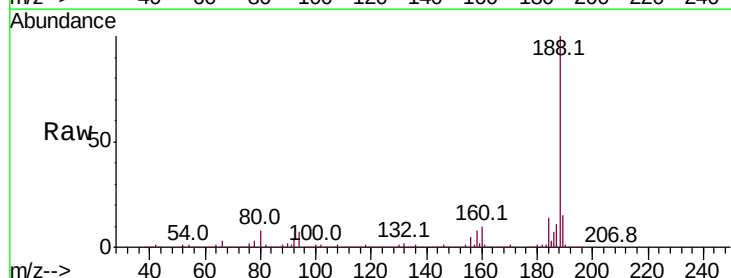
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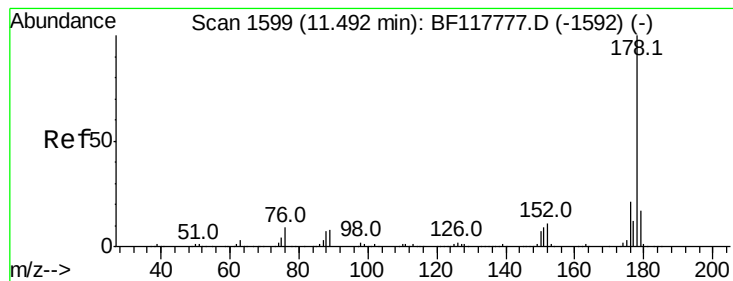
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	513424		
94	7.5	6.6	10.0	
80	8.1	7.2	10.8	





#71

Phenanthrene

Concen: 17.718 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

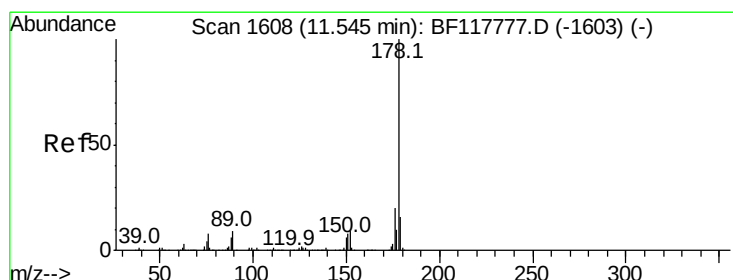
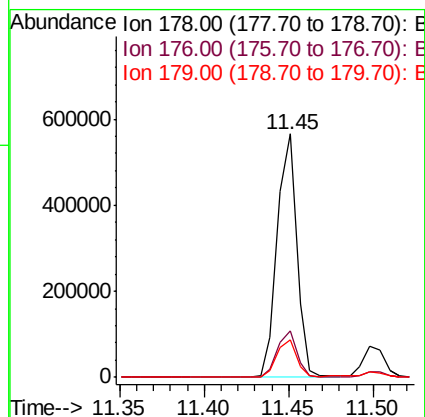
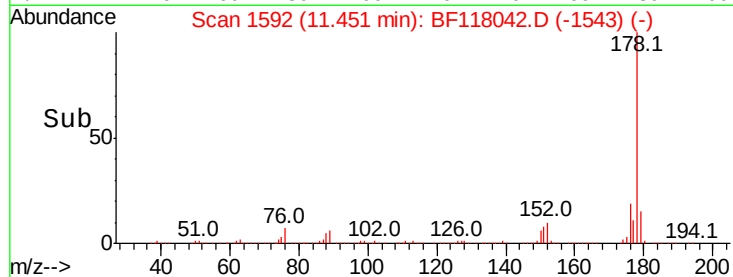
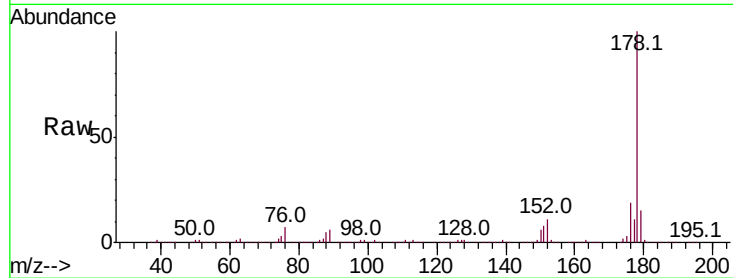
ClientSampleId :

SOIL-004-E

Tot Ion:	178	Resp:	457352
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.6	25.0
179	15.3	13.2	19.8

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#72

Anthracene

Concen: 2.376 ng

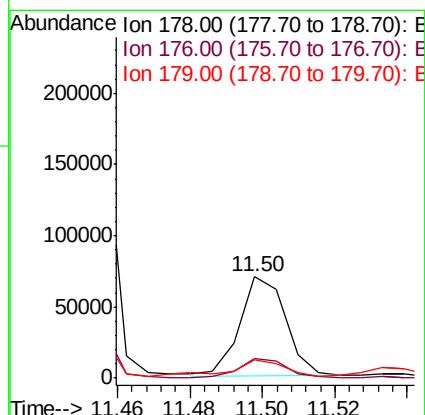
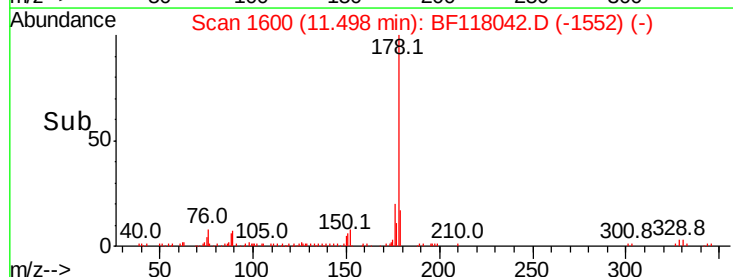
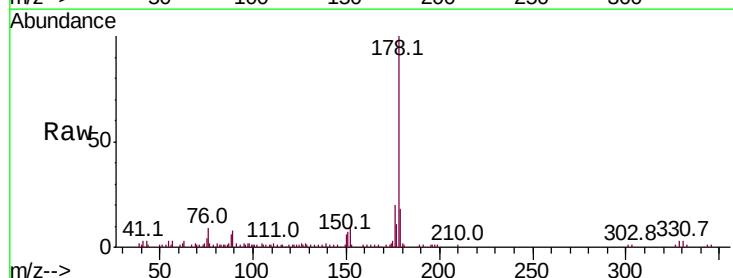
RT: 11.50 min Scan# 1600

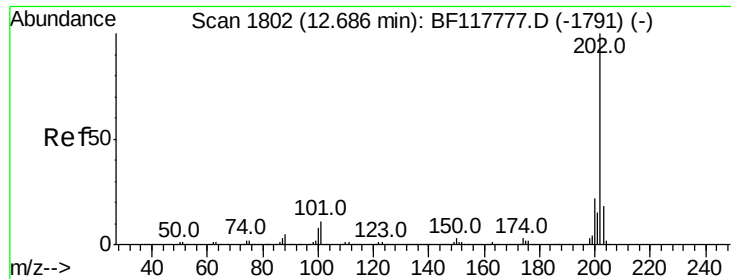
Delta R.T. -0.02 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Tgt Ion:	178	Resp:	60802
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.1	24.1
179	18.0	13.0	19.4





#75

Fluoranthene

Concen: 6.596 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

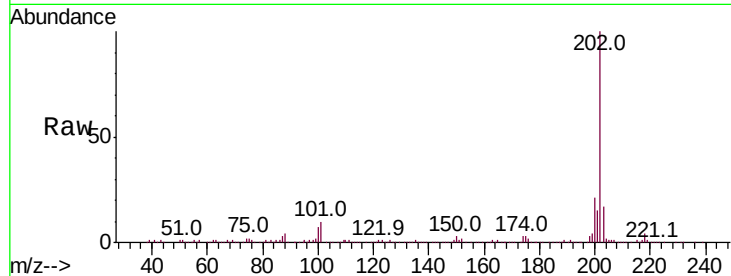
ClientSampled :

SOIL-004-E

Tot Ion	Ratio	Resp	Lower	Upper
202	100	306007		
101	10.4	0.0	31.1	
203	17.1	0.0	38.2	

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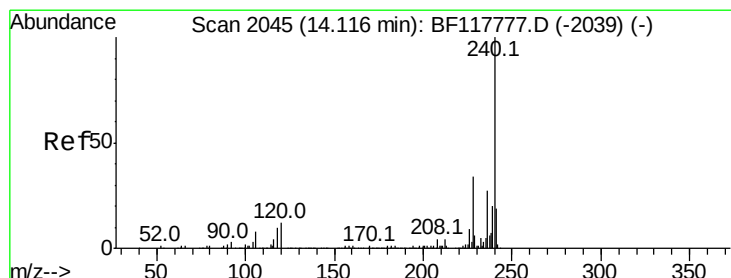
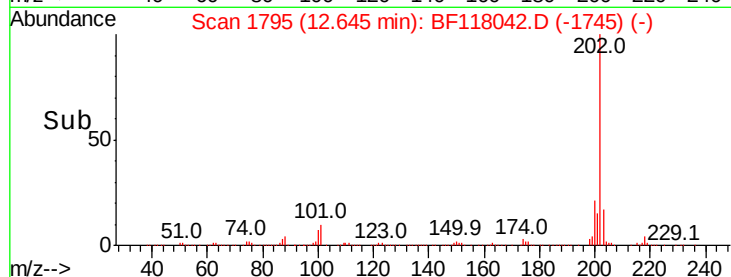
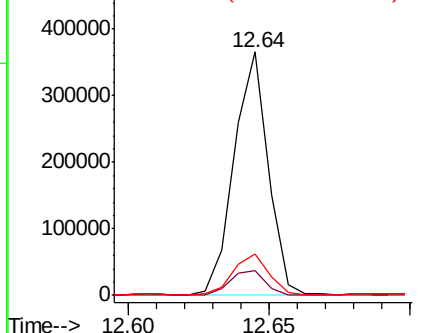
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

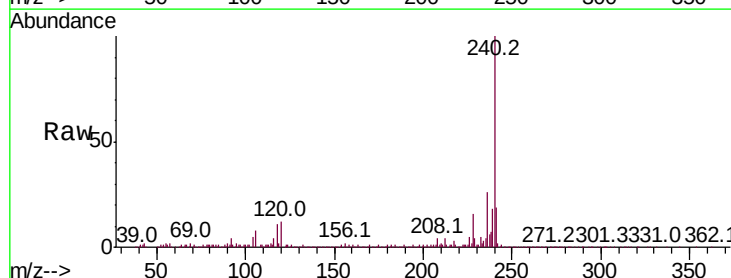
RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

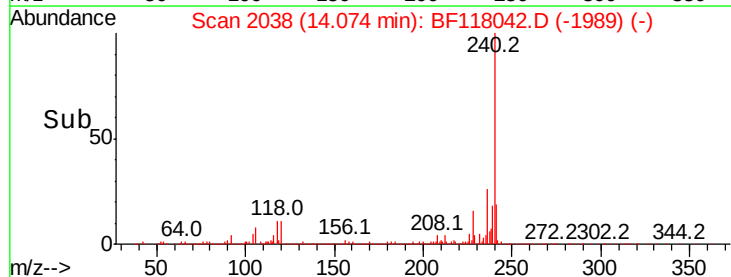
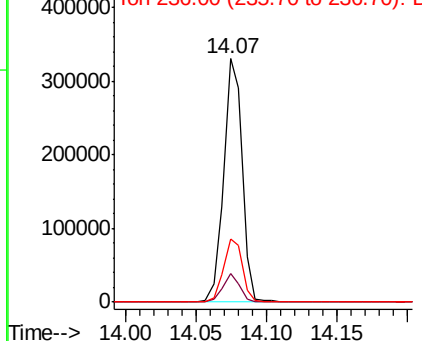
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	299243		
120	11.6	9.5	14.3	
236	26.2	21.3	31.9	

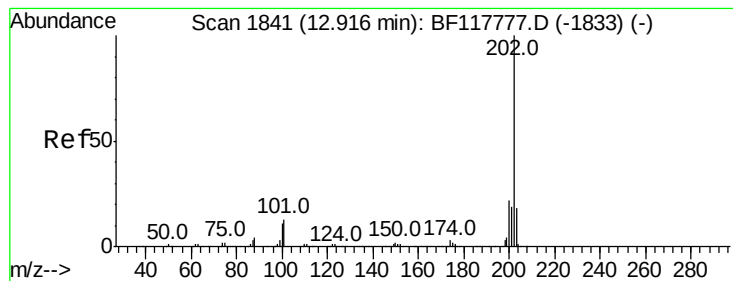


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 17.753 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

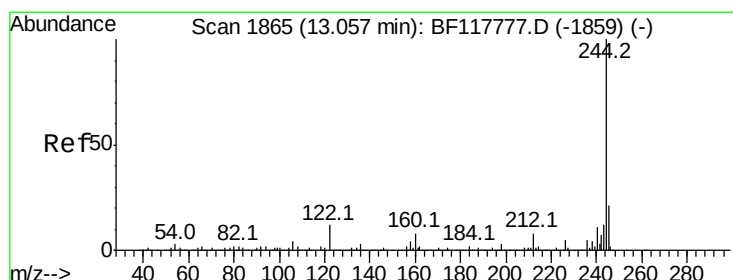
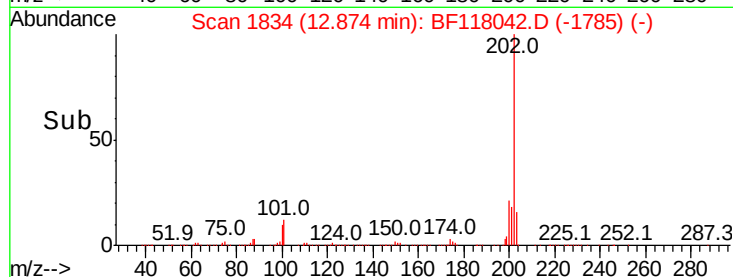
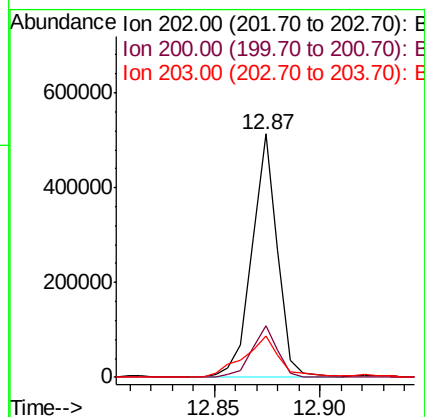
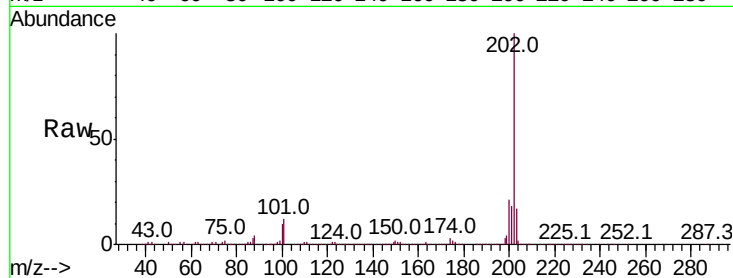
ClientSampleId :

SOIL-004-E

Tot Ion:	202	Resp:	429339
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.8	26.8
203	17.2	14.6	22.0

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#79

Terphenyl-d14

Concen: 71.924 ng

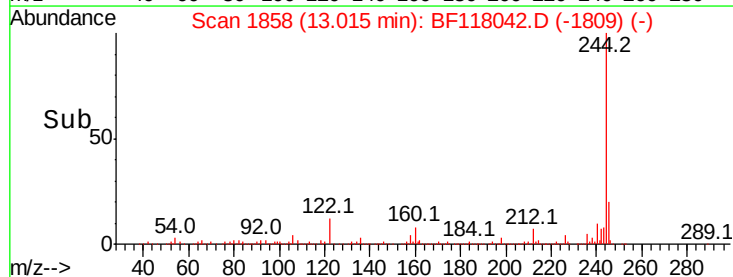
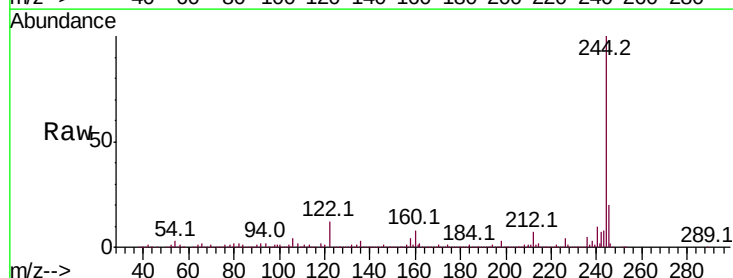
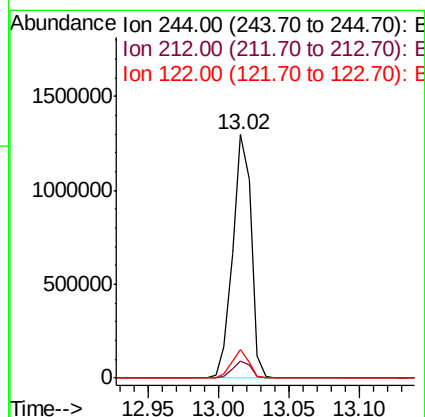
RT: 13.02 min Scan# 1858

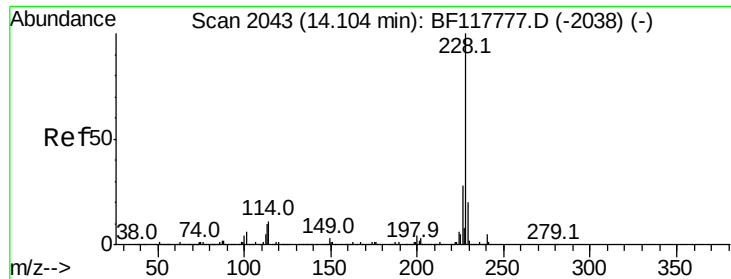
Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Tgt Ion:	244	Resp:	1177648
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.3	9.5
122	11.6	9.4	14.2





#81

Benzo(a)anthracene

Concen: 7.546 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

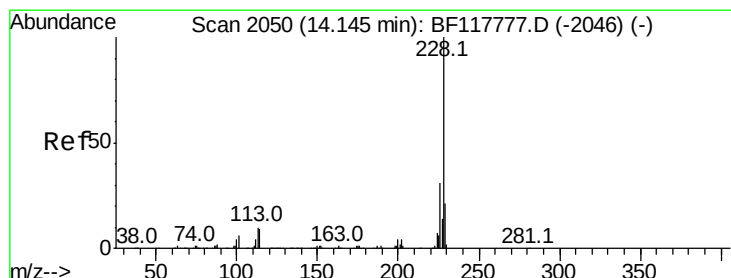
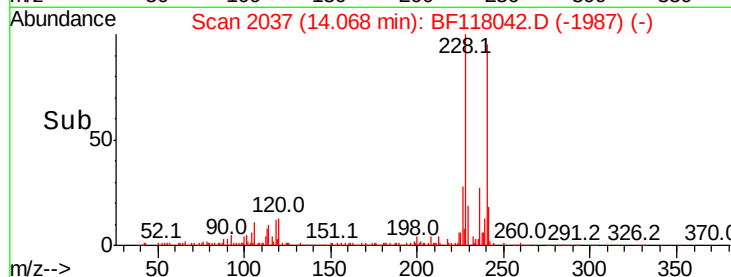
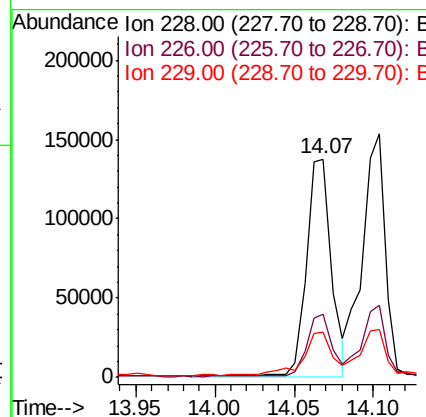
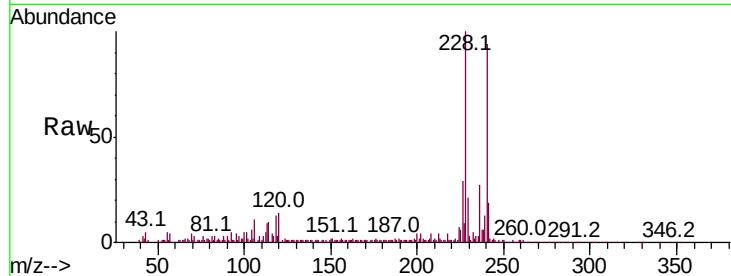
ClientSampleId :

SOIL-004-E

Tot Ion:	228	Resp:	149223
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.2	33.2
229	20.9	15.9	23.9

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#83

Chrysene

Concen: 8.199 ng

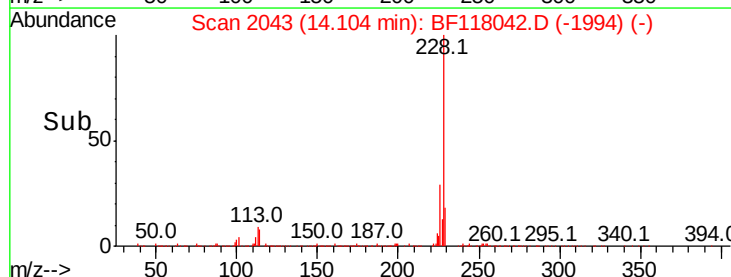
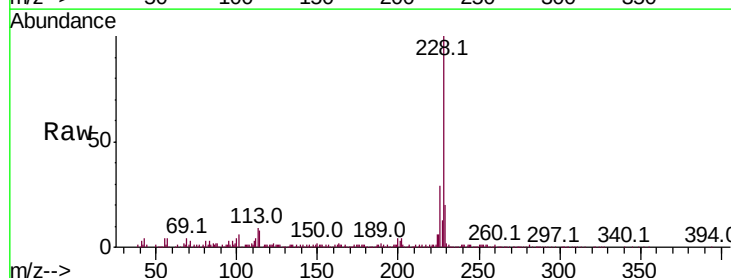
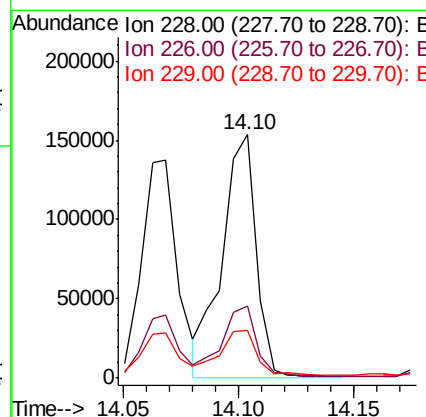
RT: 14.10 min Scan# 2043

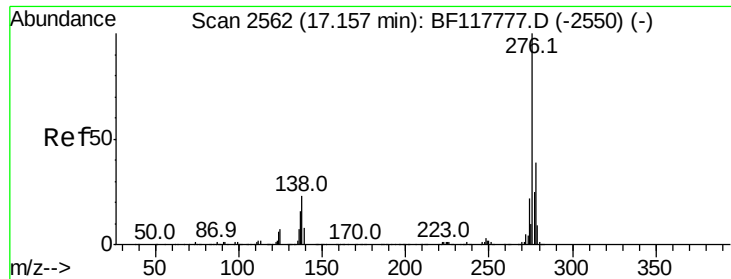
Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Tgt Ion:	228	Resp:	157101
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.4
229	19.7	16.6	25.0





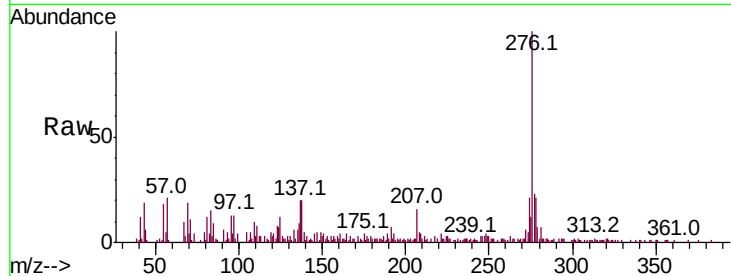
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.228 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

Instrument :
BNA_F
ClientSampleId :
SOIL-004-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.9	31.3
277	24.4	20.3	30.5

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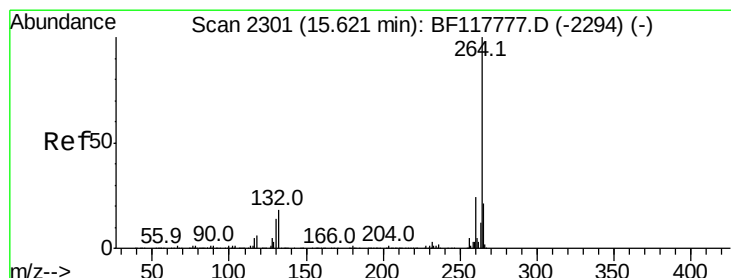
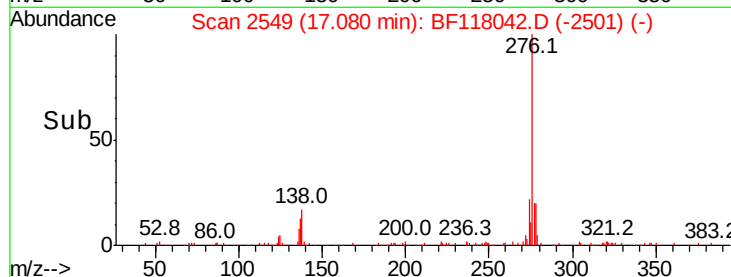
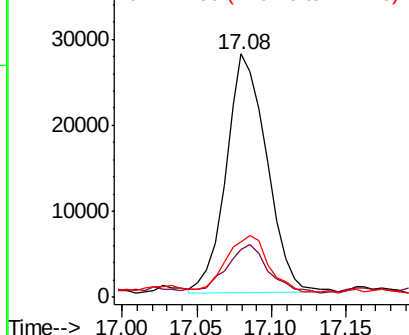


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BF118042.D
Acq: 27 Nov 2019 15:53

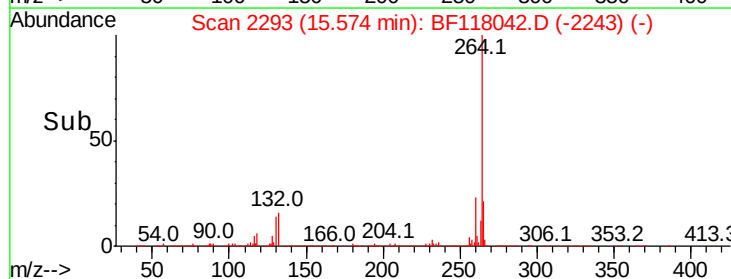
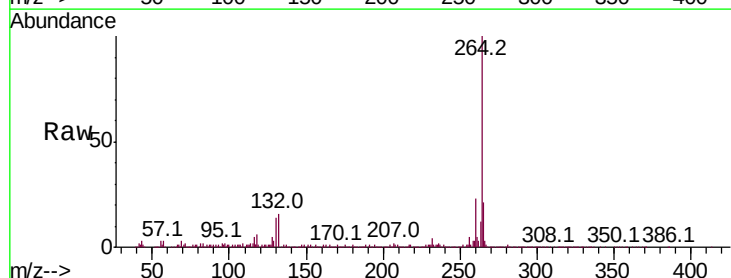
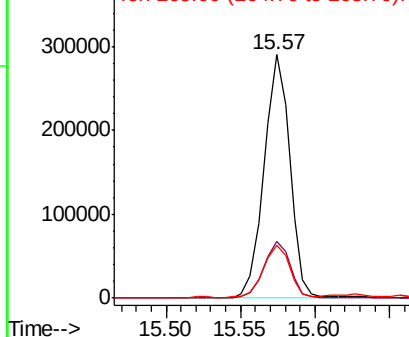
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.0
265	21.5	17.1	25.7

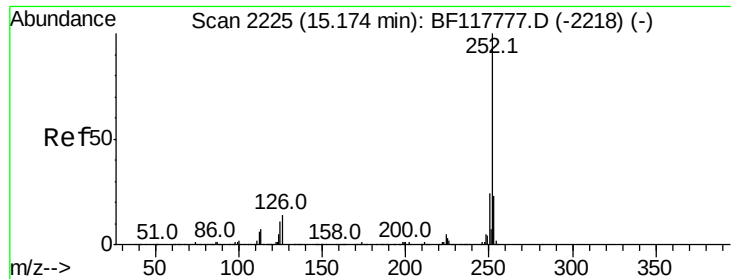
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.233 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

Instrument :

BNA_F

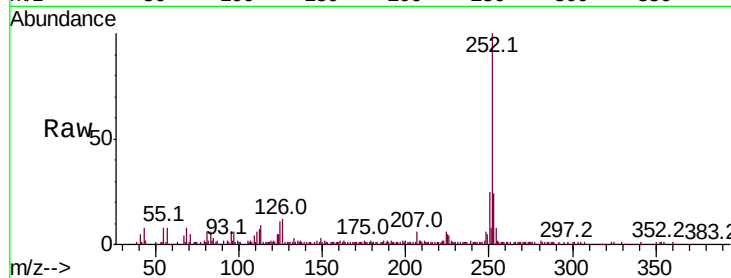
ClientSampleId :

SOIL-004-E

Tot Ion:	252	Resp:	139237
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	11.2	8.6	13.0

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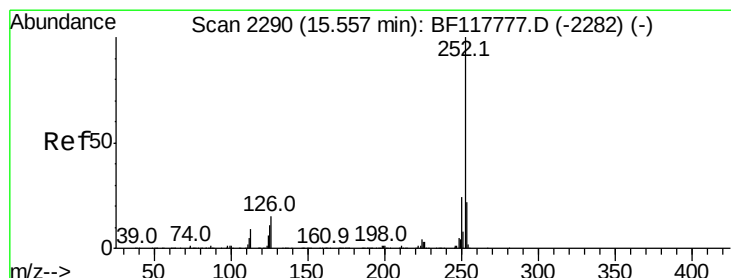
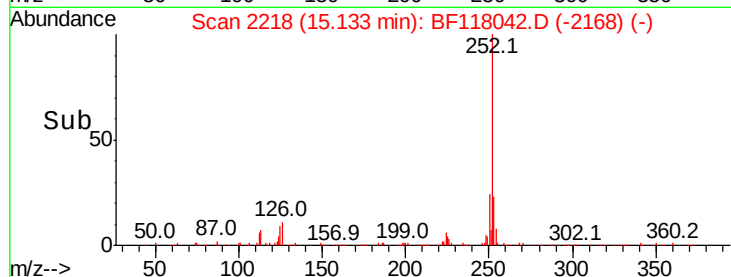
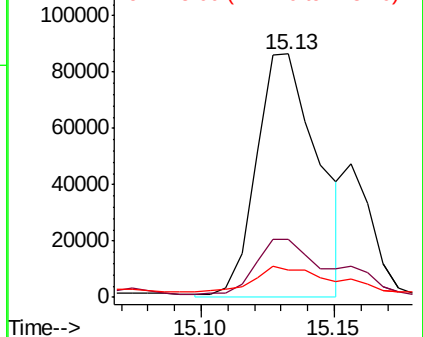


Abundance

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: 4.967 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF118042.D

Acq: 27 Nov 2019 15:53

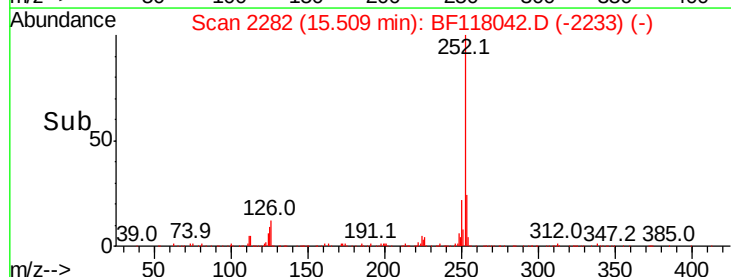
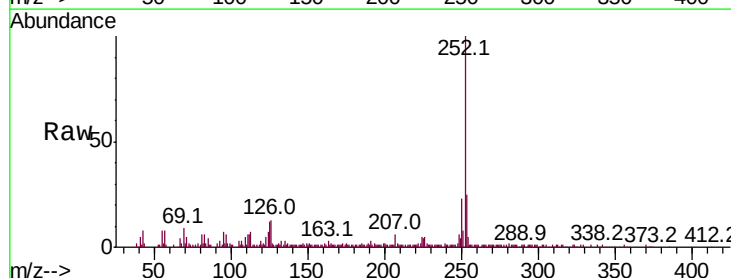
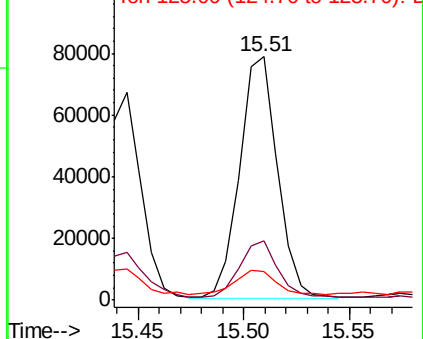
Tgt Ion:	252	Resp:	97572
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.6
125	12.0	9.2	13.8

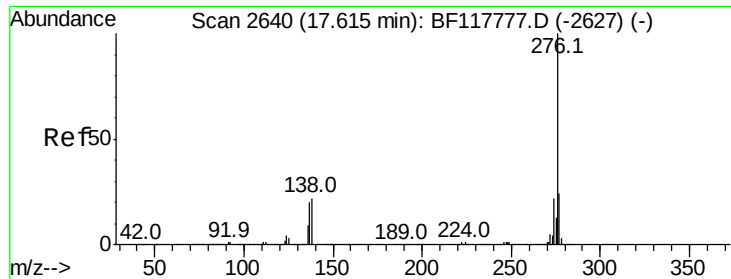
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 3.284 ng
 RT: 17.54 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF118042.D
 Acq: 27 Nov 2019 15:53

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-004-E

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	19.4	17.4	26.2

Manual Integrations
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