

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118039.D
 Acq On : 27 Nov 2019 14:31
 Operator : JU
 Sample : K6021-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-001-E

Manual Integrations
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 11/29/2019 8:53:19 AM

Quant Time: Nov 27 15:24:32 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	137972	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	537672	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	275750	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	485117	20.00	ng	-0.01
76) Chrysene-d12	14.07	240	297034	20.00	ng	-0.01
87) Perylene-d12	15.57	264	349733	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	746262	95.74	ng	0.00
7) Phenol-d6	6.51	99	951394	101.20	ng	-0.01
23) Nitrobenzene-d5	7.45	82	587179	64.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	267963	91.79	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1124057	73.13	ng	-0.02
79) Terphenyl-d14	13.02	244	1083215	66.65	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.64	163	177567	9.183	ng	99
71) Phenanthrene	11.45	178	158102	6.482	ng	98
78) Pyrene	12.87	202	214313	8.928	ng	98
81) Benzo(a)anthracene	14.06	228	96391	4.911	ng	97
83) Chrysene	14.10	228	92618	4.870	ng	96
86) Indeno(1,2,3-cd)pyrene	17.08	276	52352	3.234	ng	92
88) Benzo(b)fluoranthene	15.13	252	119924m	5.278	ng	
90) Benzo(a)pyrene	15.50	252	73313	3.669	ng	# 96
92) Benzo(g,h,i)perylene	17.54	276	50919	2.973	ng	100

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

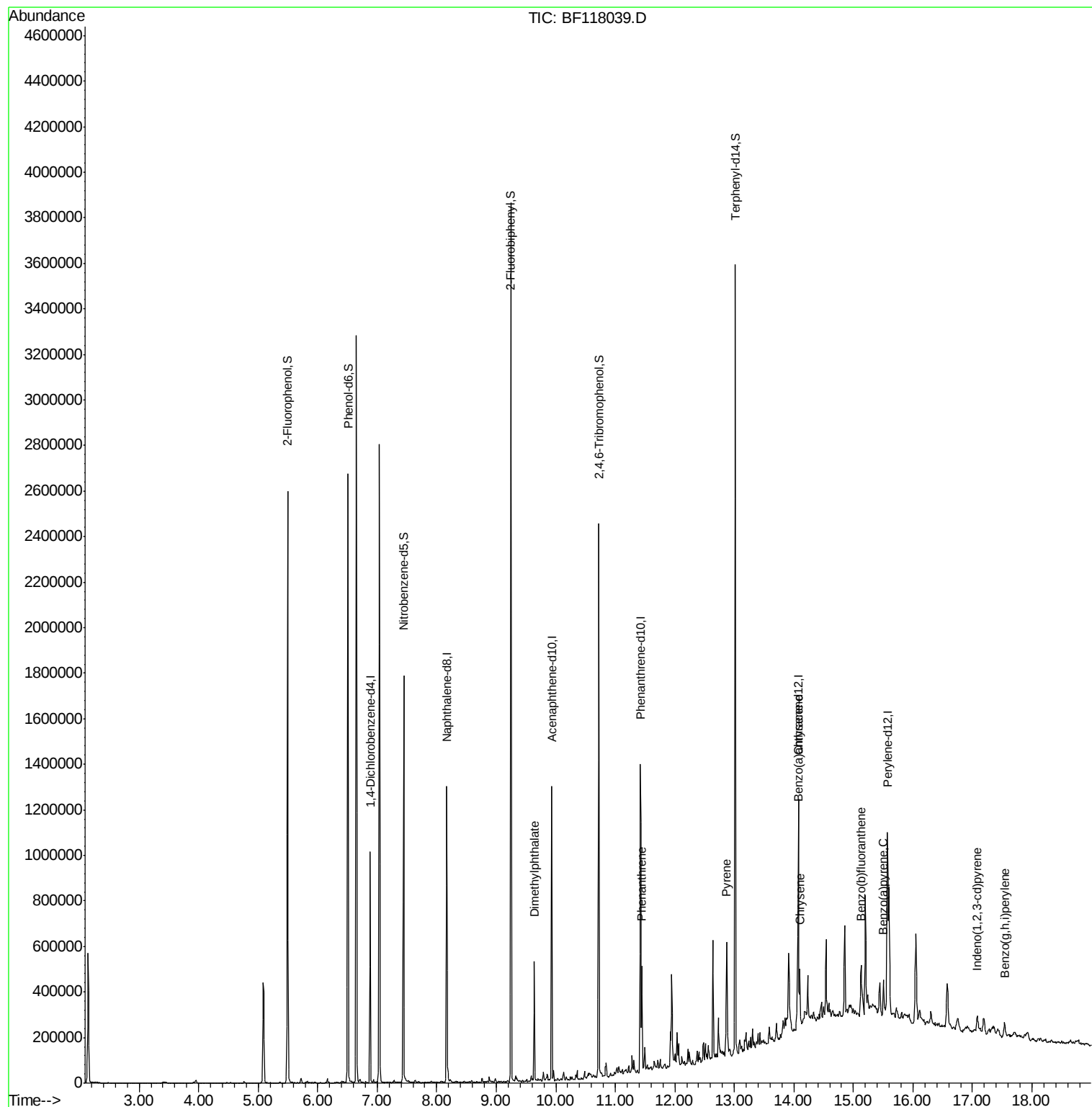
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118039.D
Acq On : 27 Nov 2019 14:31
Operator : JU
Sample : K6021-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

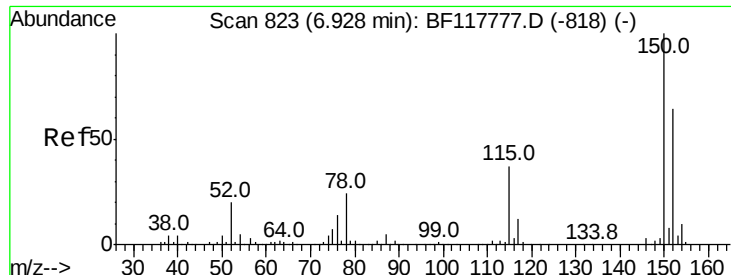
Instrument :
BNA_F
ClientSampleID :
SOIL-001-E

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#1

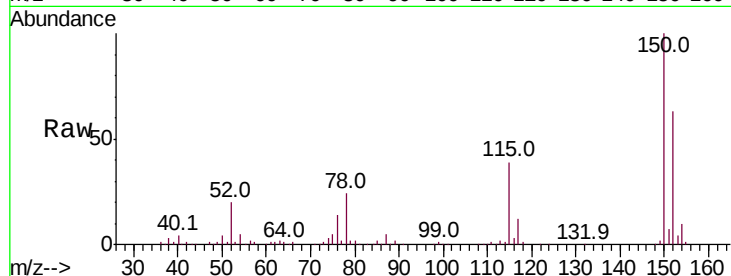
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :
SOIL-001-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.3	187.9
115	61.3	47.0	70.4

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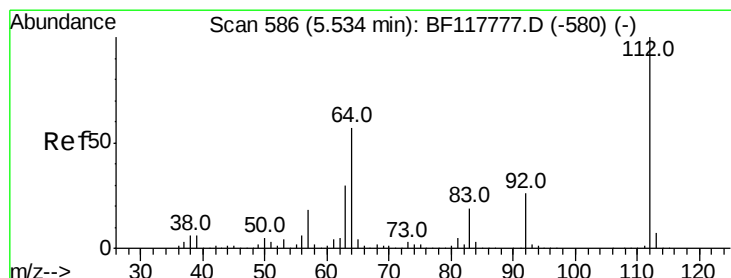
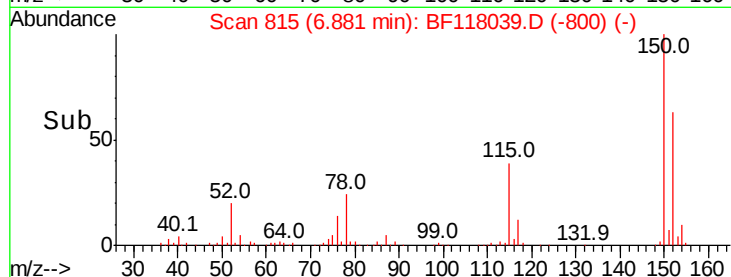
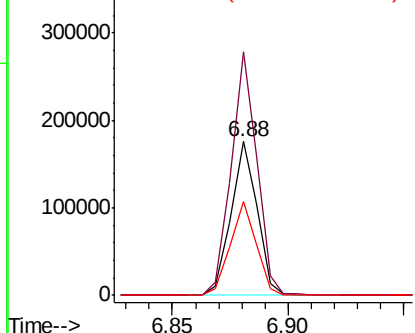


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

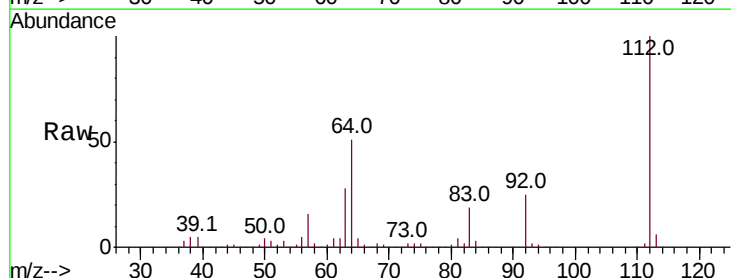
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.741 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.9	45.6	68.4
63	28.3	24.1	36.1

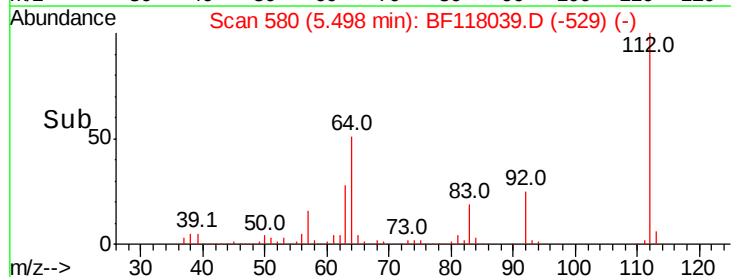
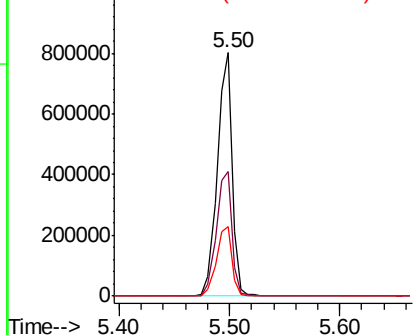


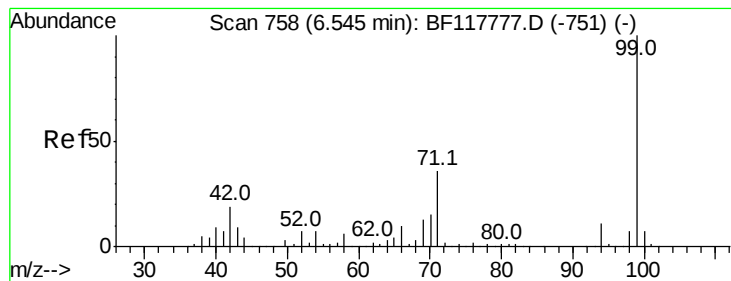
Abundance

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: 101.196 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

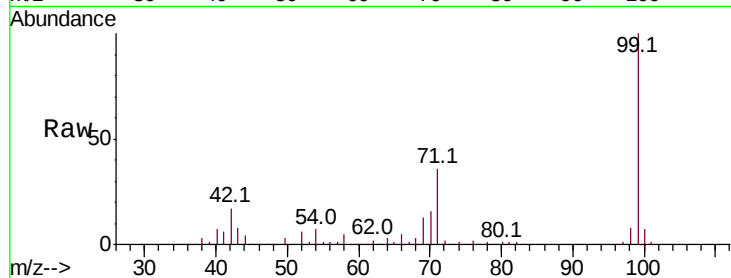
ClientSampleId :

SOIL-001-E

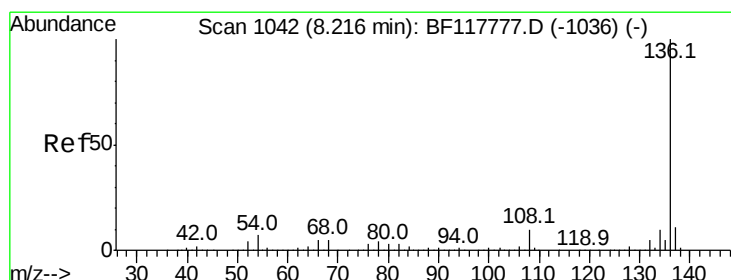
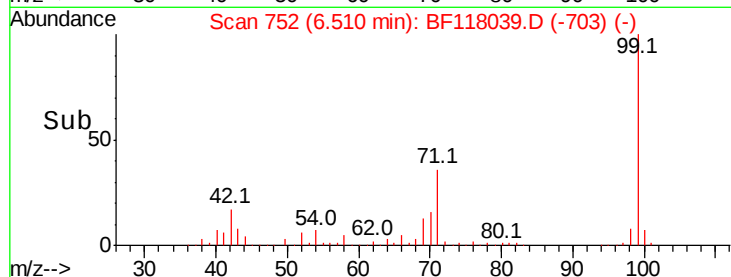
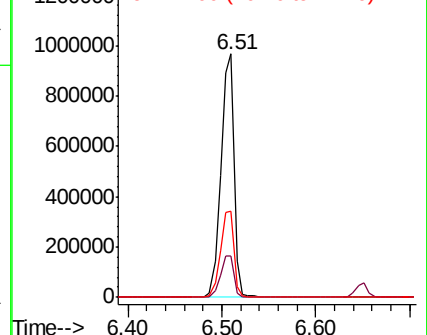
Tot Ion:	99	Resp:	951394
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.9	22.3
71	35.6	28.6	43.0

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

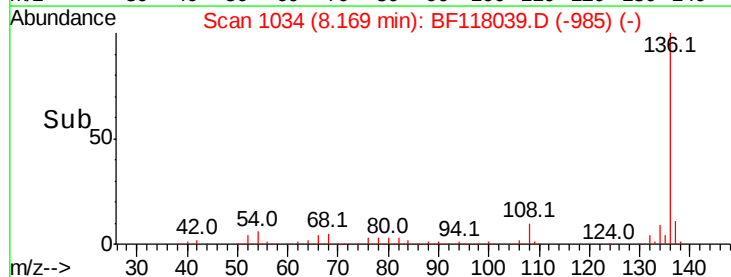
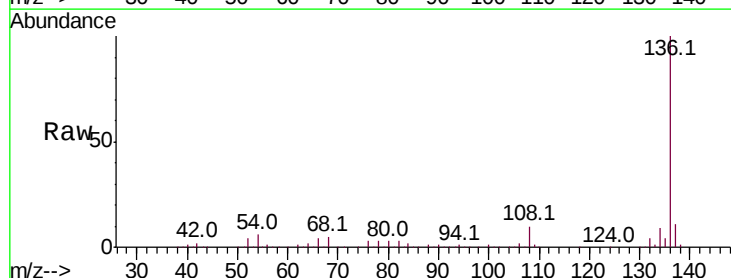
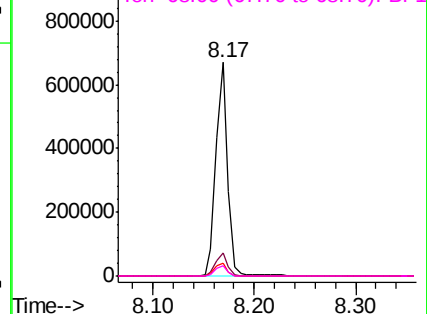
Delta R.T. -0.01 min

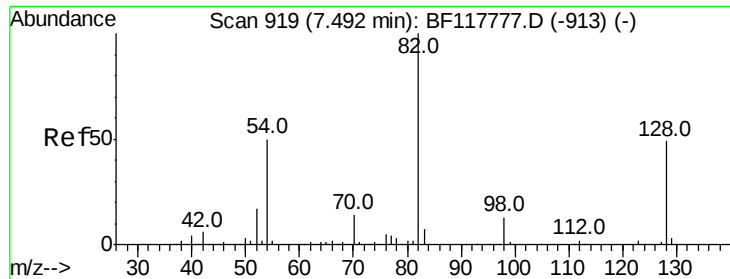
Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Tgt Ion:	136	Resp:	537672
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	6.0	5.4	8.2
68	4.8	4.3	6.5

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





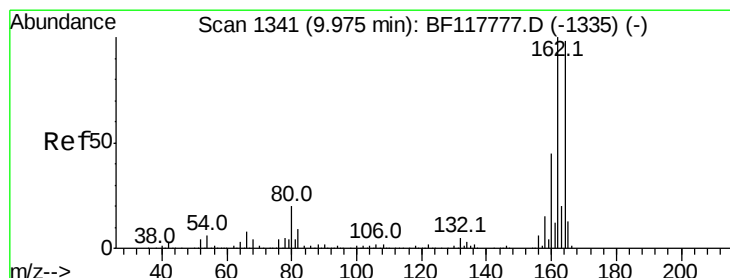
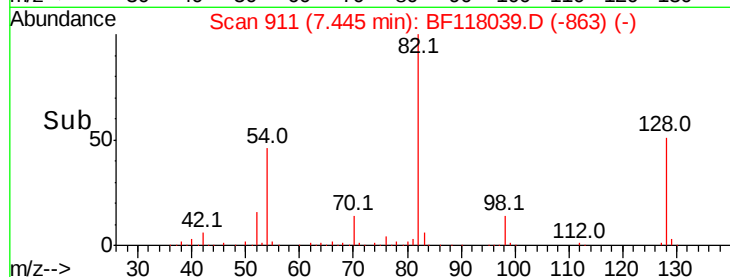
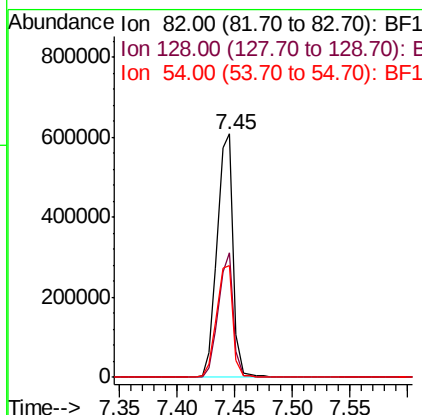
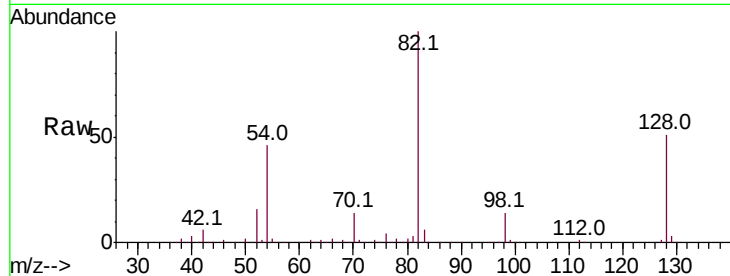
#23
Nitrobenzene-d5
Concen: 64.919 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :
SOIL-001-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.0	38.9	58.3
54	45.8	39.8	59.6

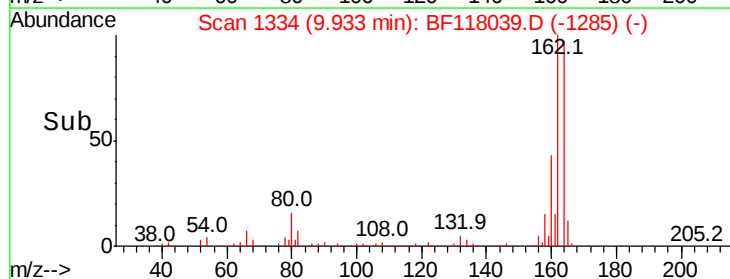
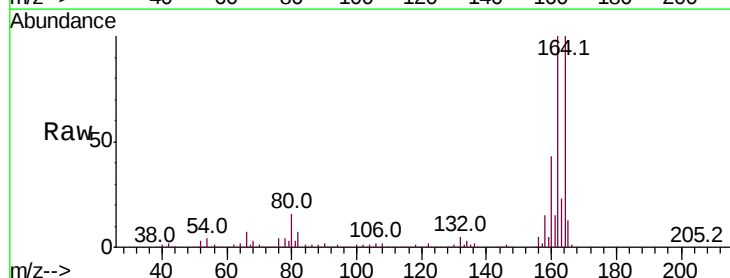
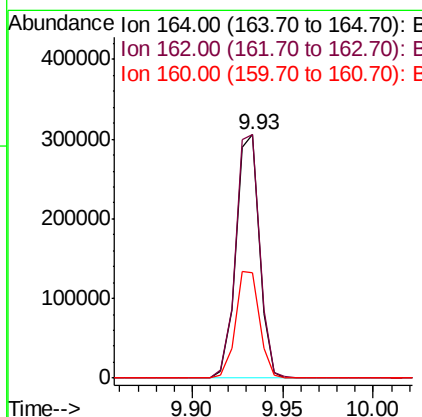
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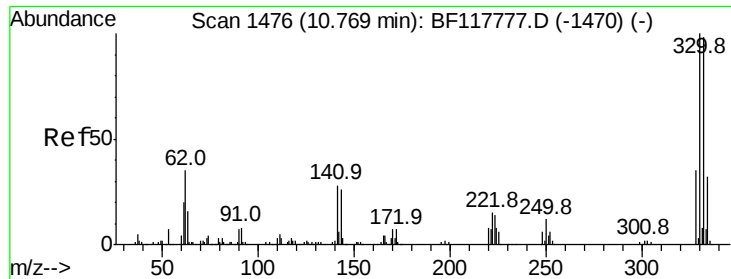
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.3	121.9
160	43.4	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 91.789 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

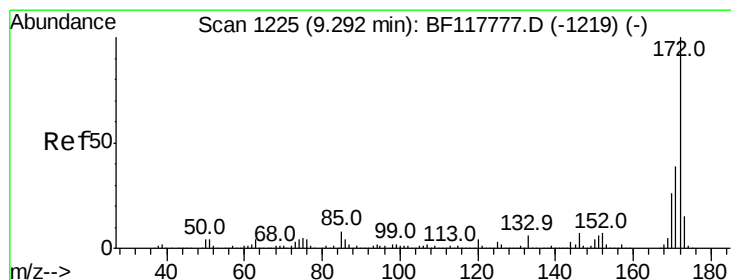
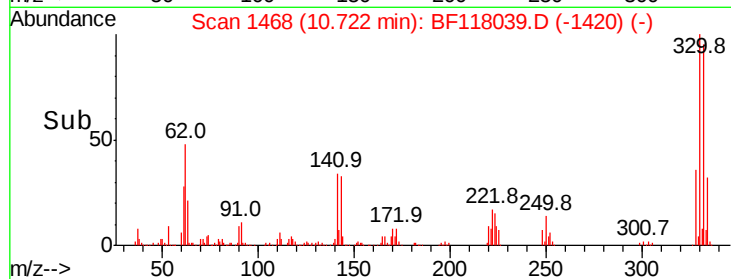
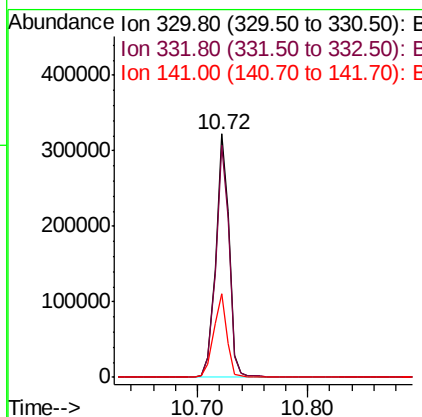
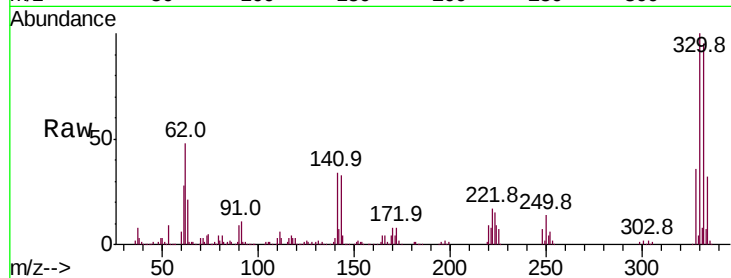
ClientSampleId :

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Tot Ion:	330	Resp:	267963
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.7	115.1
141	34.2	27.7	41.5

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#45

2-Fluorobiphenyl

Concen: 73.131 ng

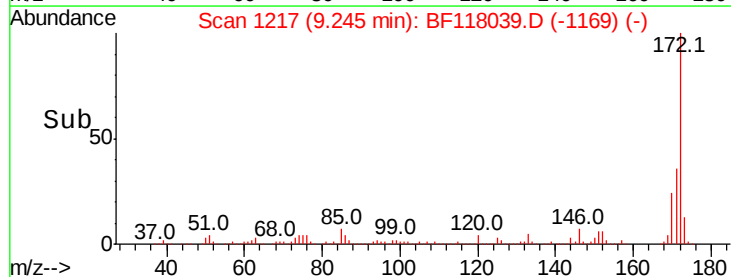
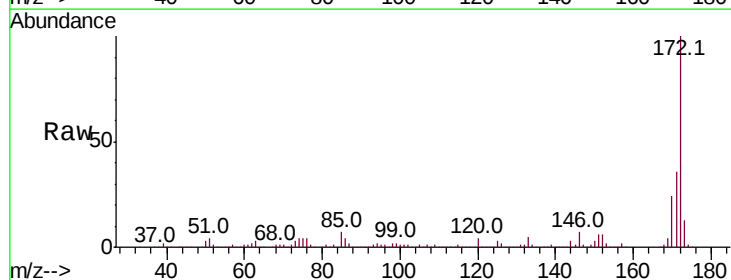
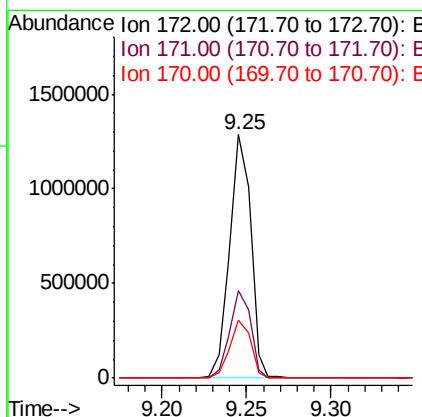
RT: 9.25 min Scan# 1217

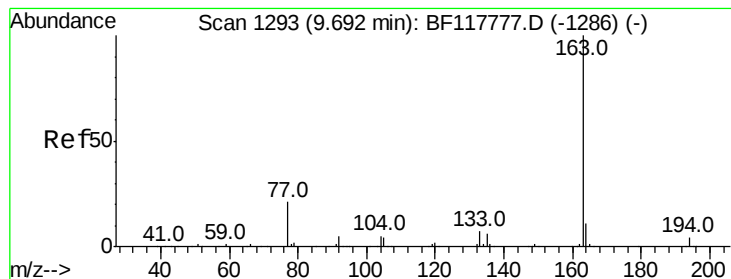
Delta R.T. -0.02 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Tgt Ion:	172	Resp:	1124057
Ion Ratio	Lower	Upper	
172	100		
171	35.8	30.9	46.3
170	23.7	21.0	31.4





#50

Dimethylphthalate

Concen: 9.183 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Instrument :

BNA_F

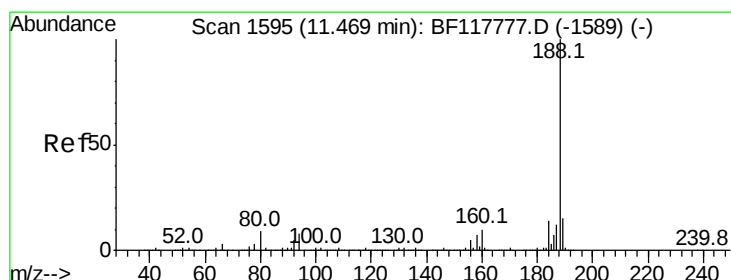
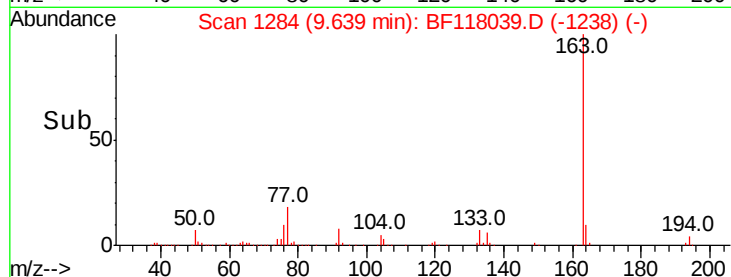
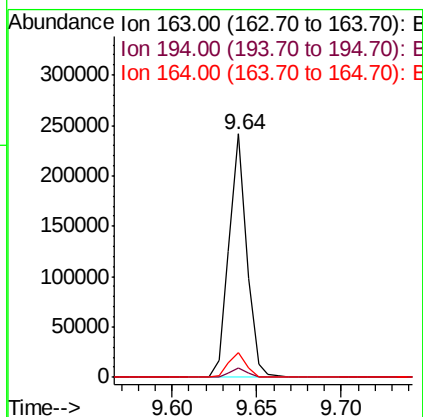
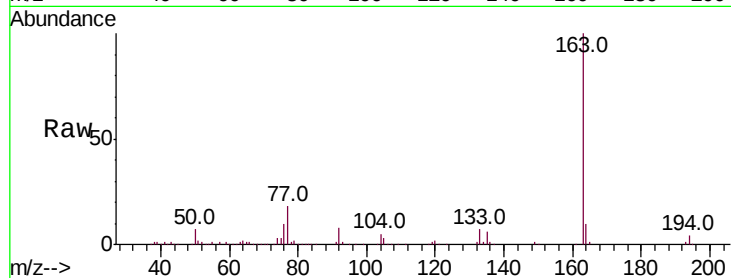
ClientSampleId :

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Tot Ion:	163	Resp:	177567
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.4	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

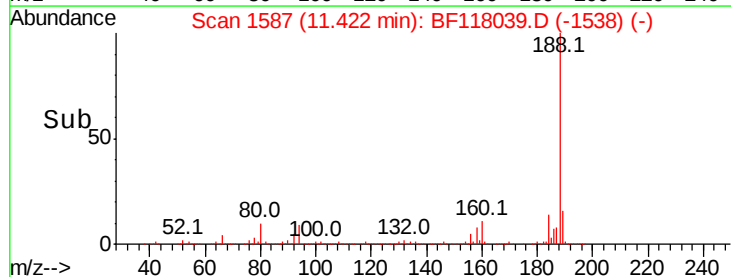
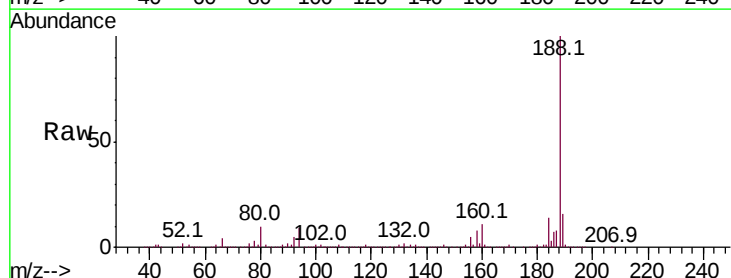
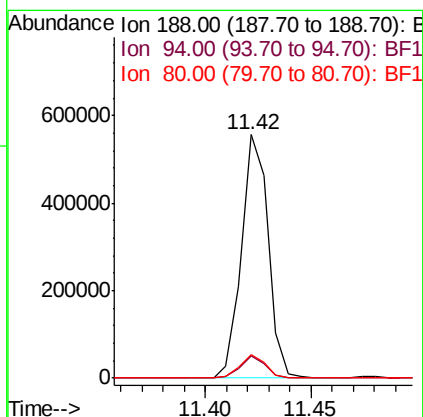
RT: 11.42 min Scan# 1587

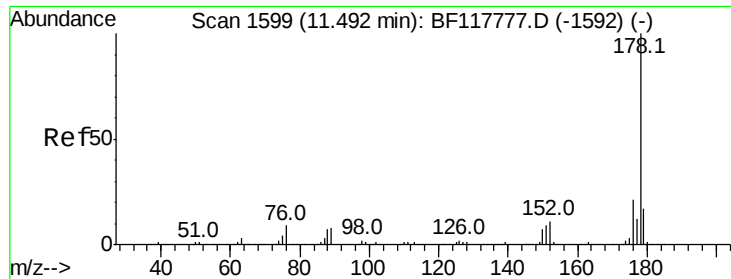
Delta R.T. -0.01 min

Lab File: BF118039.D

Acq: 27 Nov 2019 14:31

Tgt Ion:	188	Resp:	485117
Ion Ratio	Lower	Upper	
188	100		
94	9.0	6.6	10.0
80	9.7	7.2	10.8





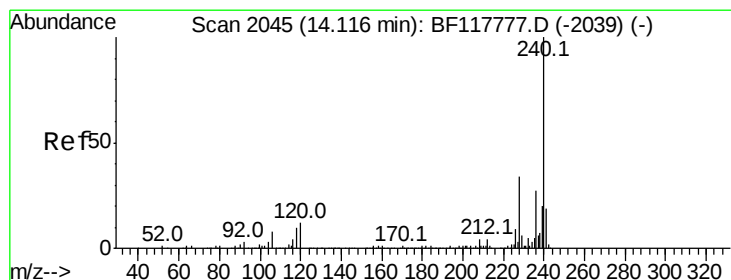
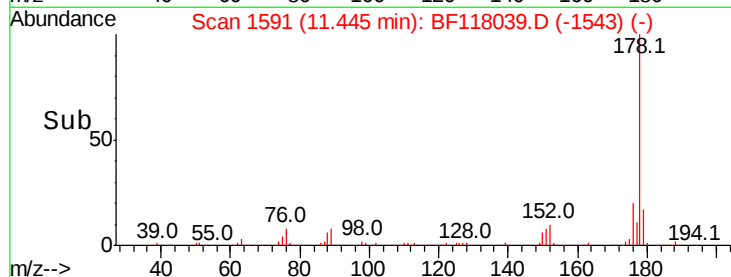
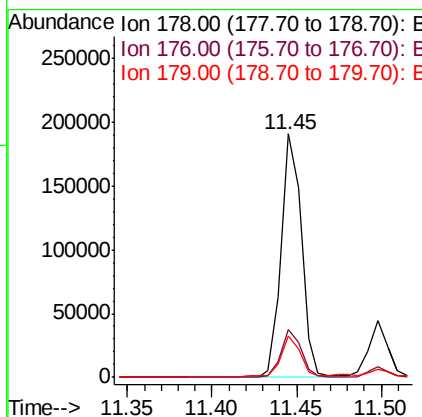
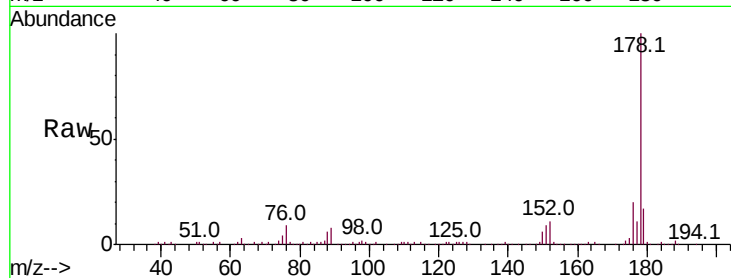
#71
Phenanthrene
Concen: 6.482 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :
SOIL-001-E

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	16.8	13.2	19.8

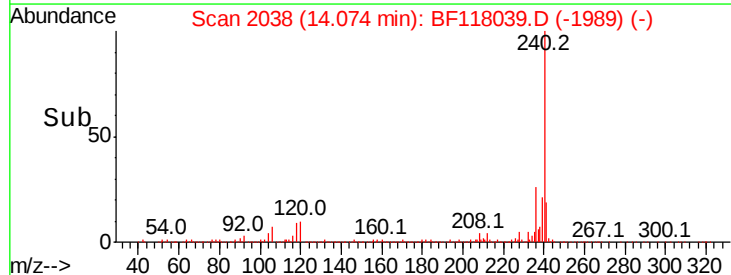
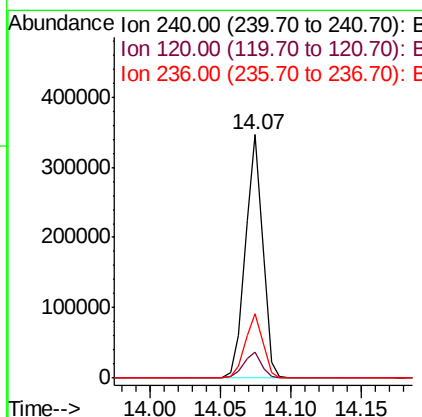
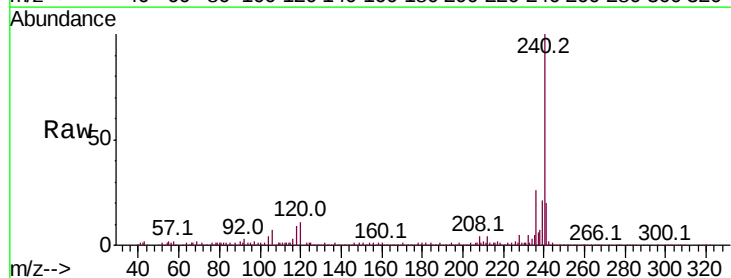
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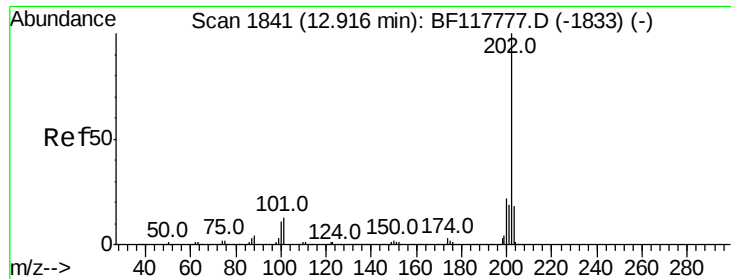
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.5	21.3	31.9





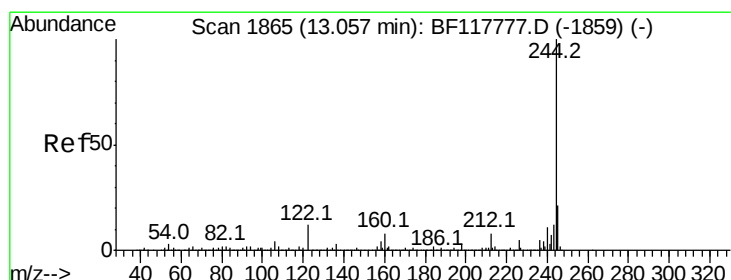
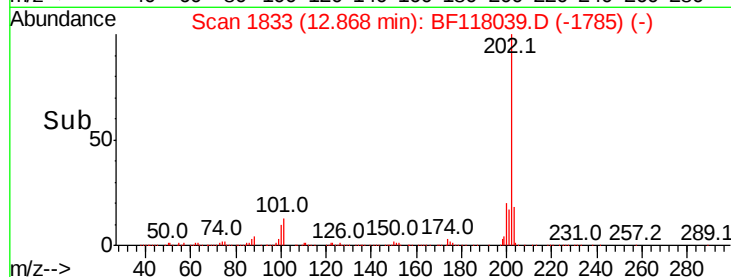
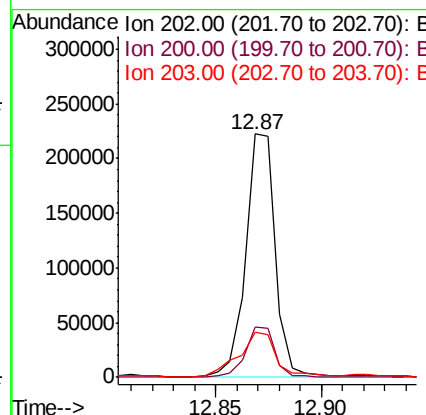
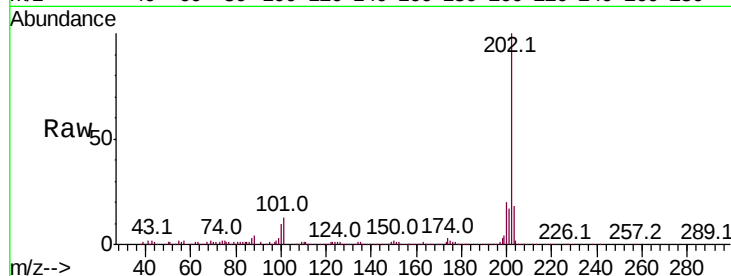
#78
Pvrene
Concen: 8.928 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :
SOIL-001-E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.8	26.8
203	18.4	14.6	22.0

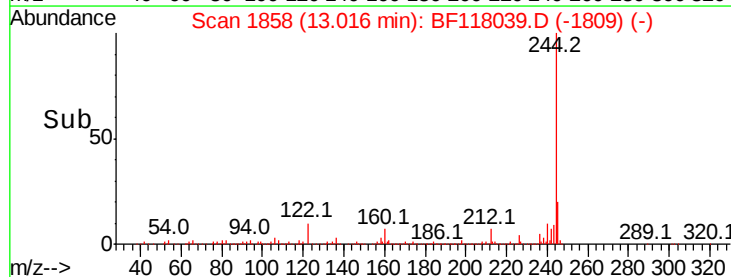
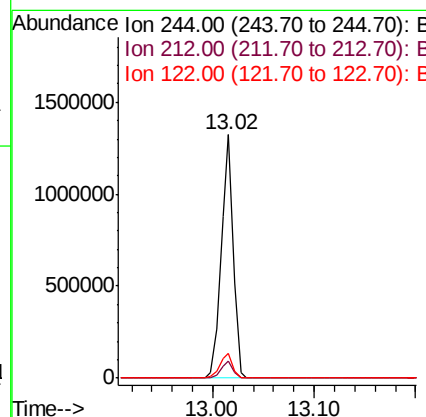
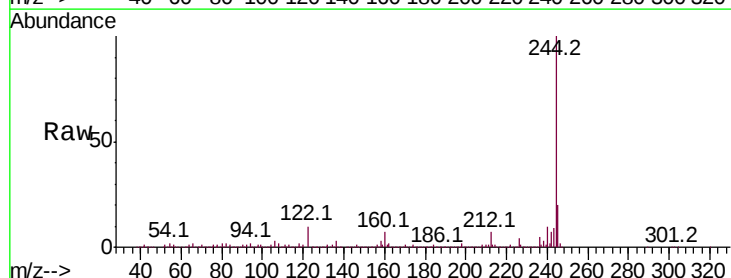
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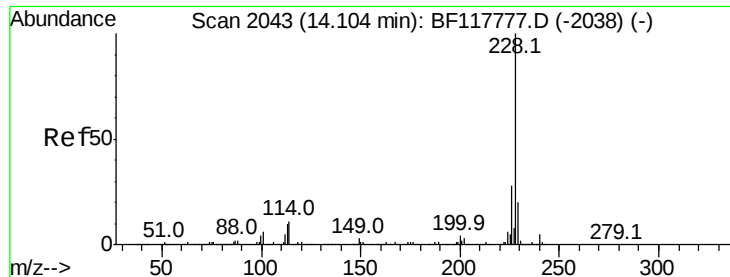
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#79
Terphenyl-d14
Concen: 66.649 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.0	9.4	14.2





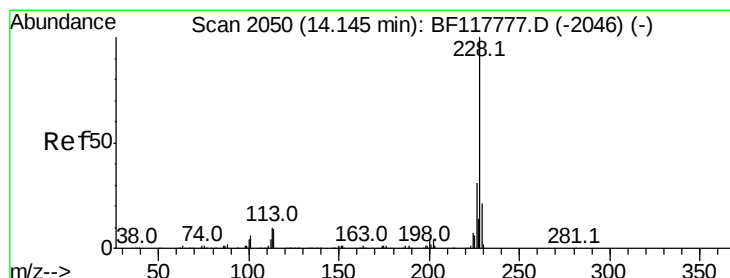
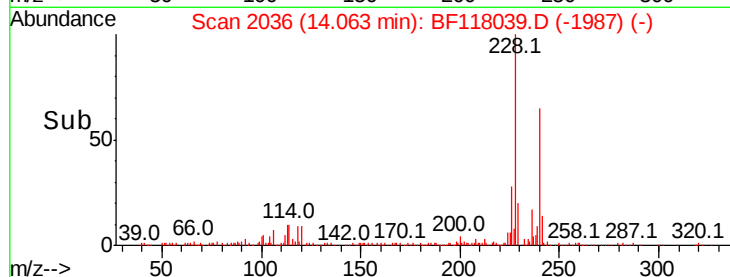
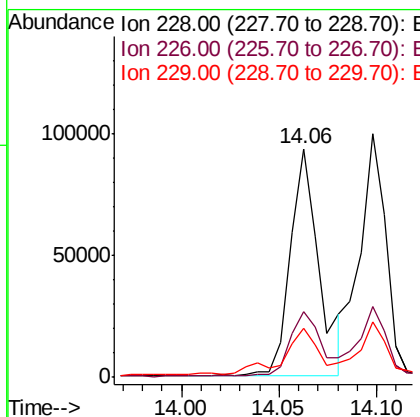
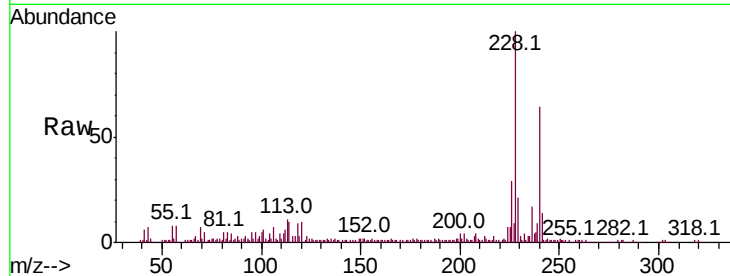
#81
Benzo(a)anthracene
Concen: 4.911 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :
SOIL-001-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.2
229	21.3	15.9	23.9

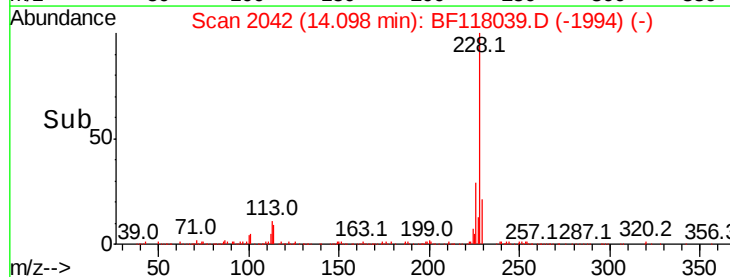
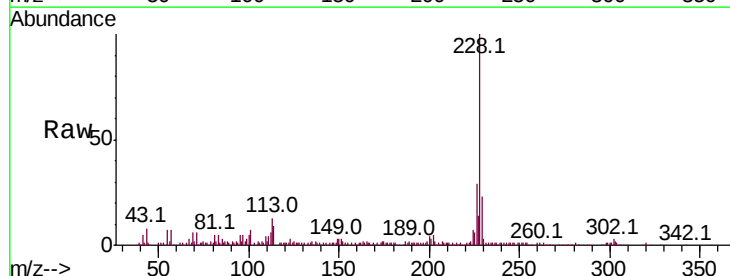
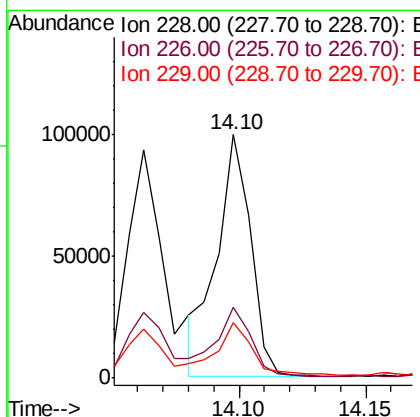
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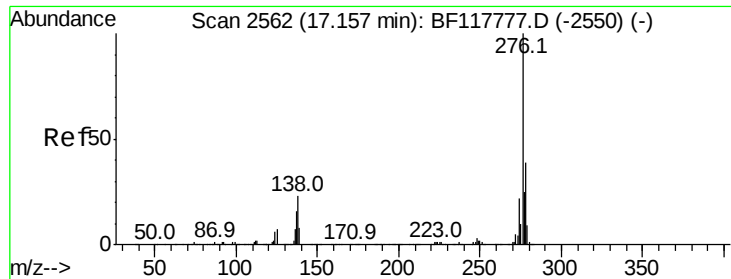
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#83
Chrysene
Concen: 4.870 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.4
229	22.7	16.6	25.0





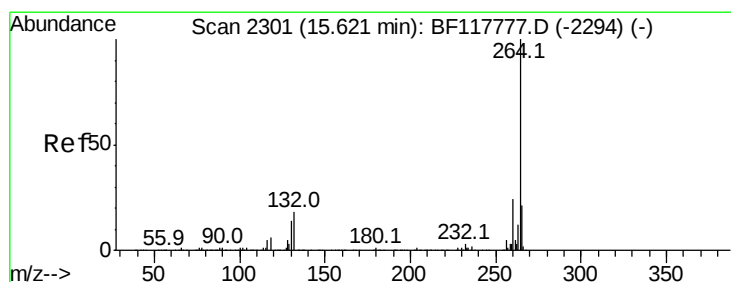
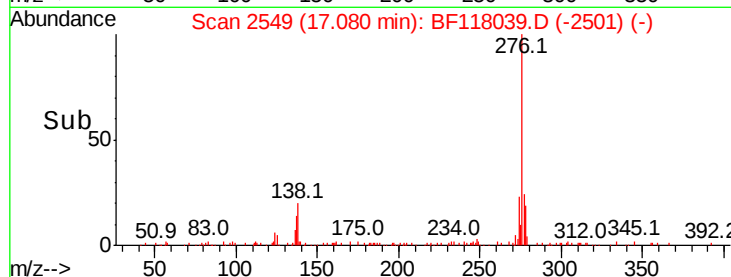
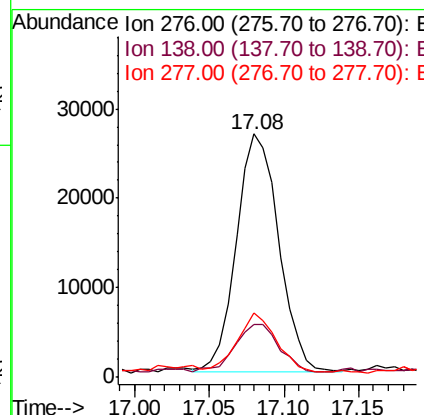
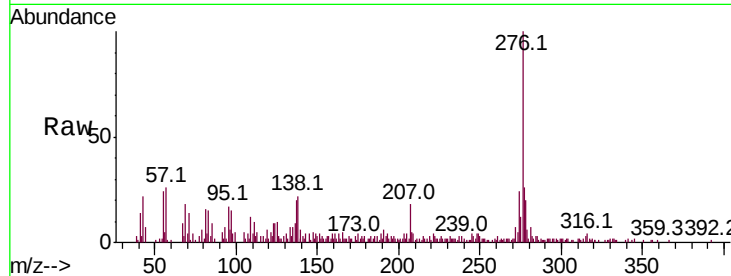
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.234 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.02 min
 Lab File: BF118039.D
 Acq: 27 Nov 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-001-E

Tot Ion:	276	Resp:	52352
Ion Ratio	Lower	Upper	
276	100		
138	20.9	20.9	31.3
277	22.6	20.3	30.5

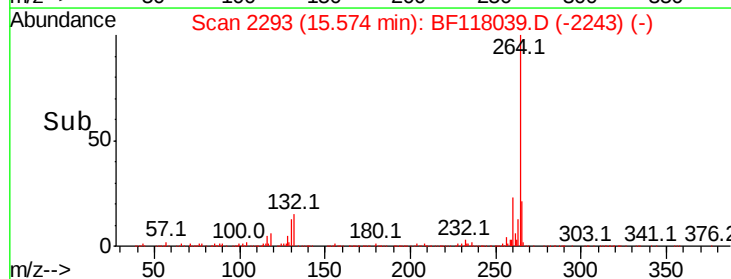
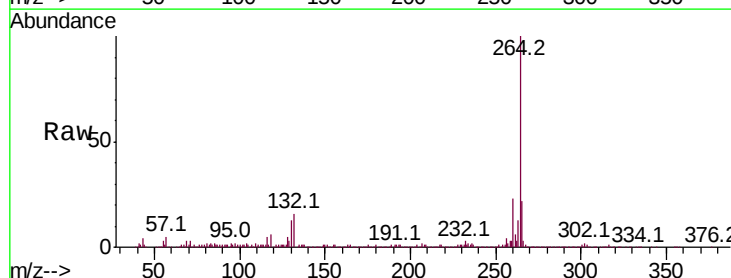
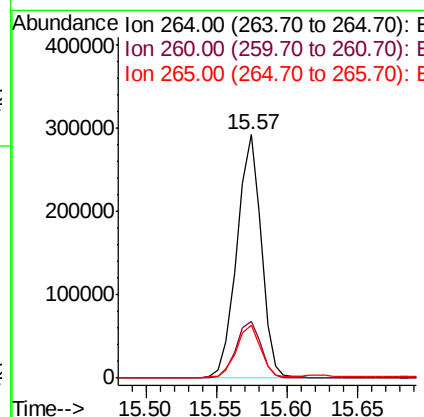
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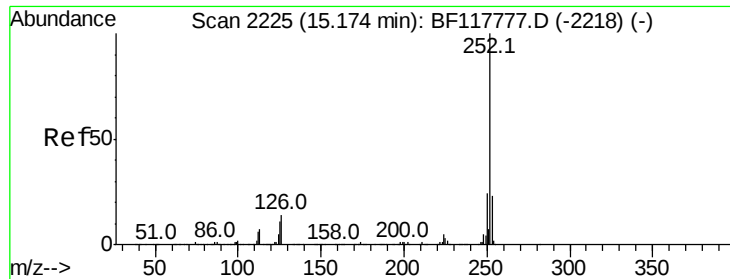
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.01 min
 Lab File: BF118039.D
 Acq: 27 Nov 2019 14:31

Tgt Ion:	264	Resp:	349733
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.4	29.0
265	21.7	17.1	25.7





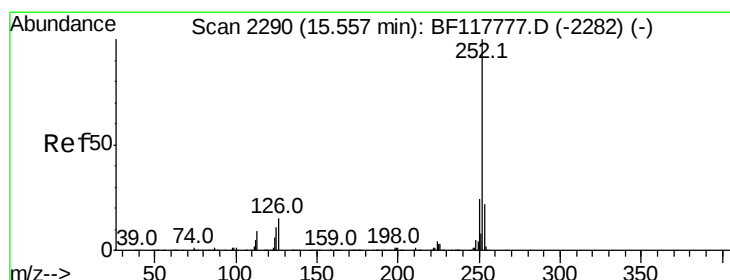
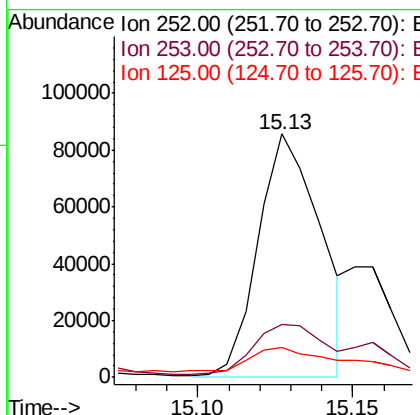
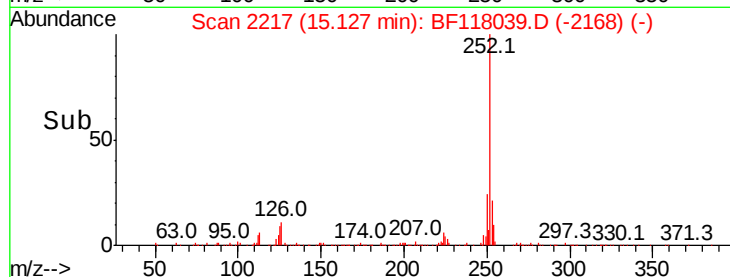
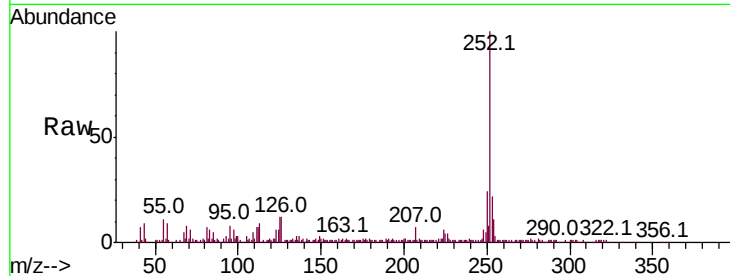
#88
Benzo(b)fluoranthene
Concen: 5.278 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Instrument :
BNA_F
ClientSampleId :
SOIL-001-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	12.5	8.6	13.0

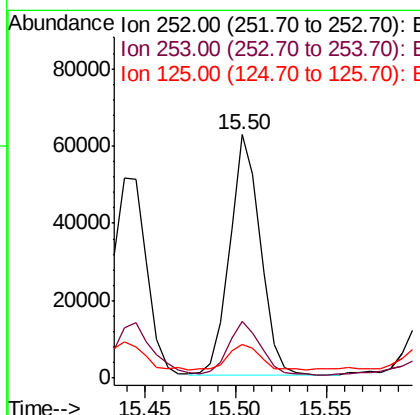
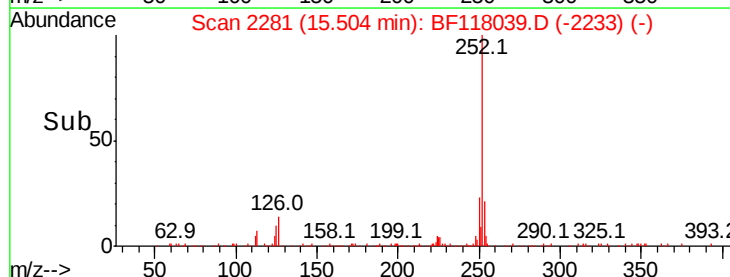
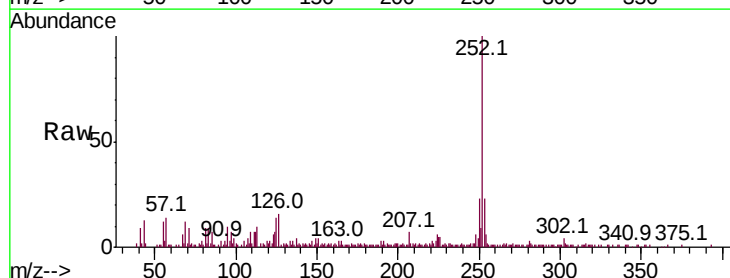
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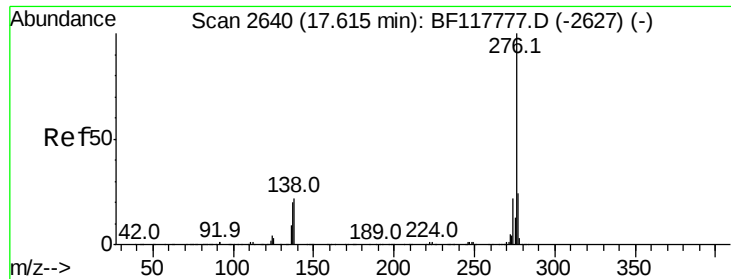
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#90
Benzo(a)pyrene
Concen: 3.669 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF118039.D
Acq: 27 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	14.0	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.973 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BF118039.D
 Acq: 27 Nov 2019 14:31

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-001-E

Tot Ion:	276	Resp:	50919
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.9	28.3
138	21.6	17.4	26.2

Manual Integrations
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