

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118040.D
 Acq On : 27 Nov 2019 14:58
 Operator : JU
 Sample : K6021-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-002-E

Manual Integrations
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Quant Time: Nov 27 15:33:49 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	144417	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	562650	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	289968	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	501762	20.00	ng	-0.01
76) Chrysene-d12	14.07	240	312492	20.00	ng	-0.01
87) Perylene-d12	15.57	264	367936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	884840	108.45	ng	0.00
7) Phenol-d6	6.51	99	1115982	113.41	ng	-0.01
23) Nitrobenzene-d5	7.45	82	688595	72.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	329345	107.28	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	1356445	83.92	ng	-0.01
79) Terphenyl-d14	13.02	244	1301755	76.13	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.64	163	189875	9.338	ng	98
71) Phenanthrene	11.44	178	131833	5.226	ng	97
78) Pyrene	12.87	202	145429	5.759	ng	97
81) Benzo(a)anthracene	14.06	228	61564	2.981	ng	96
83) Chrysene	14.10	228	60328	3.015	ng	99
88) Benzo(b)fluoranthene	15.13	252	78294m	3.275	ng	
90) Benzo(a)pyrene	15.50	252	44737	2.128	ng	# 91

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

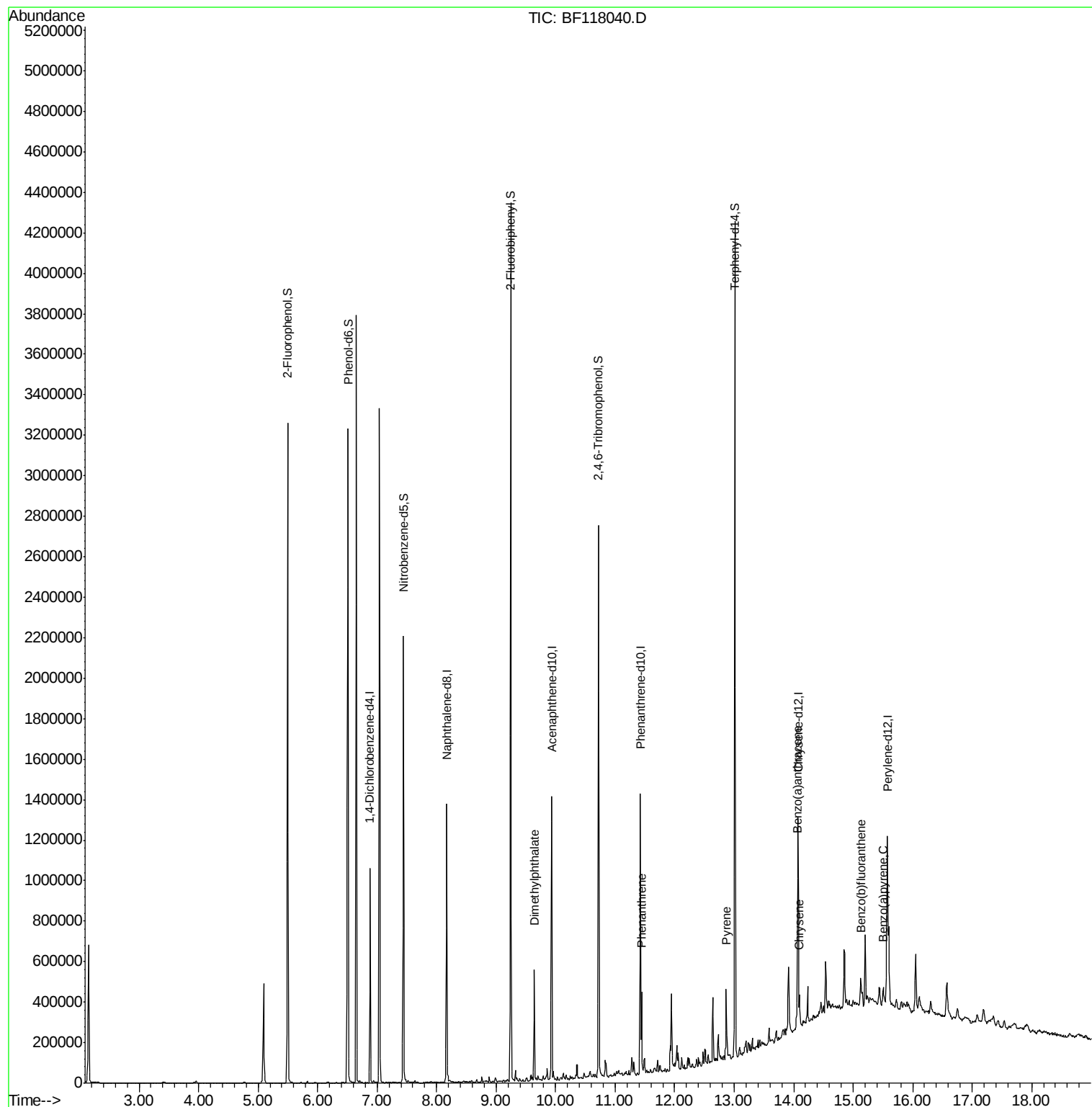
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118040.D
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Sample : K6021-04
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ALS Vial : 5 Sample Multiplier: 1

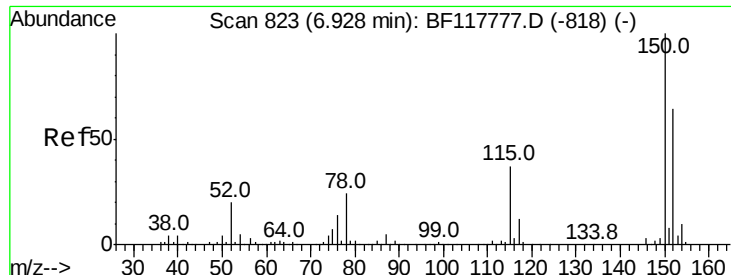
Instrument :
BNA_F
ClientSampleId :
SOIL-002-E

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11/29/2019 8:53:22 AM

Quant Time: Nov 27 15:33:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

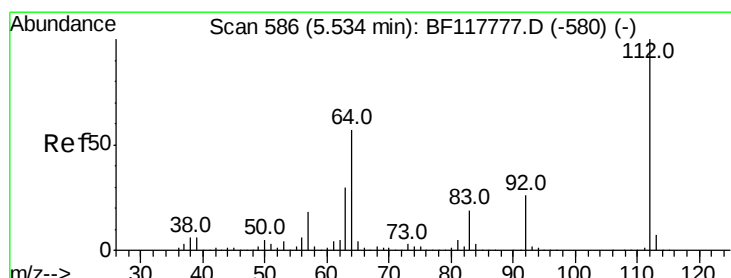
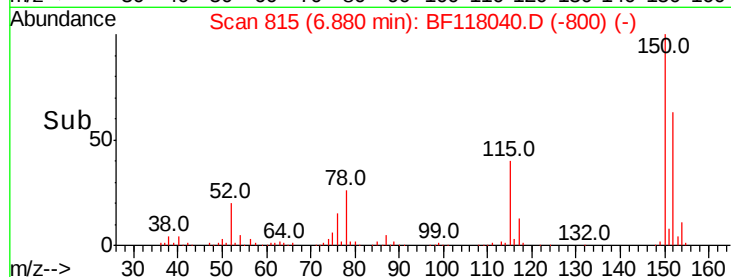
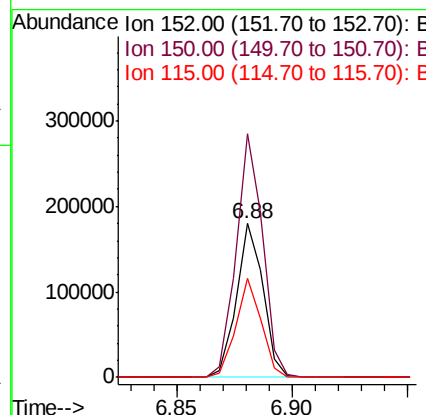
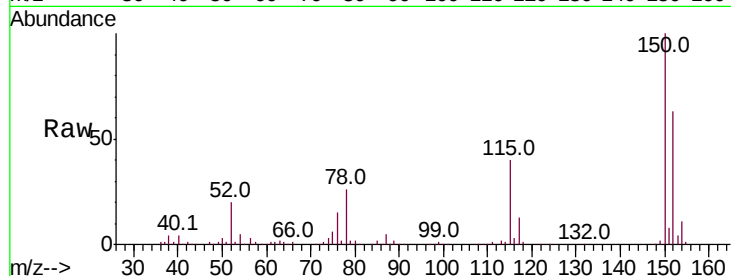
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Instrument :
BNA_F
ClientSampleId :
SOIL-002-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.3	187.9
115	64.1	47.0	70.4

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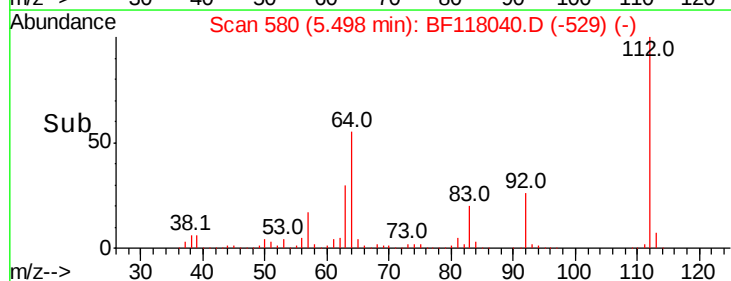
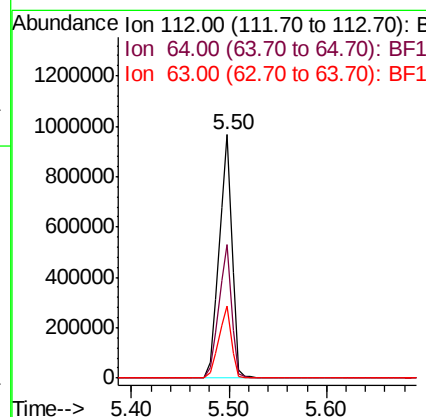
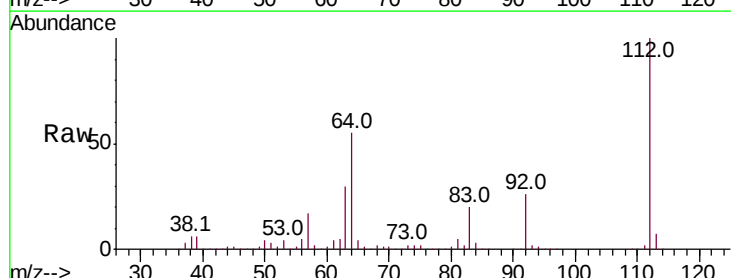
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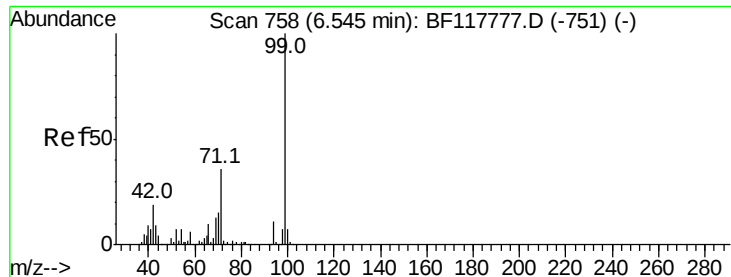


#5

2-Fluorophenol
Concen: 108.454 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.6	68.4
63	29.7	24.1	36.1





#7

Phenol-d6

Concen: 113.405 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

ClientSampleId :

SOIL-002-E

Tot Ion: 99 Resp: 1115982

Ion Ratio Lower Upper

99 100

42 17.8 14.9 22.3

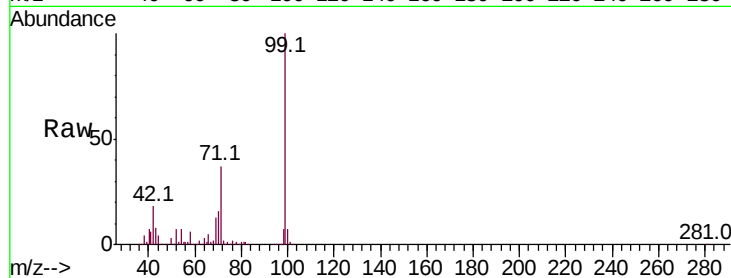
71 37.2 28.6 43.0

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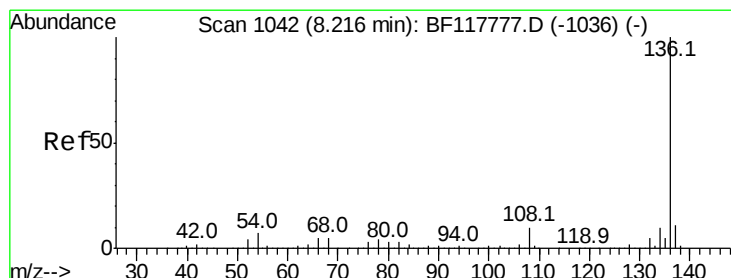
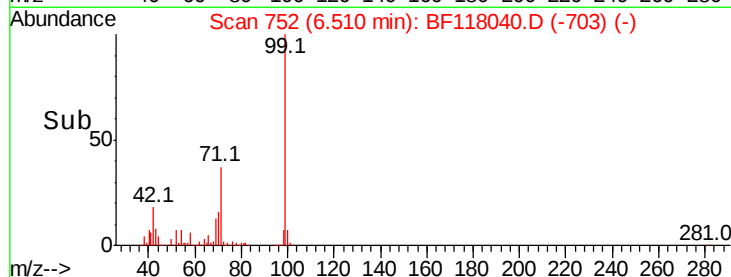
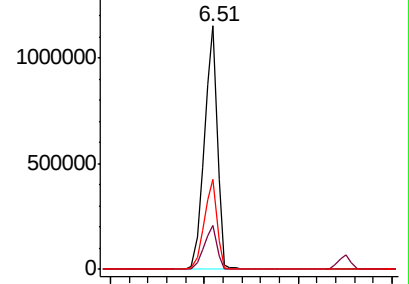
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF118040.D

Acq: 27 Nov 2019 14:58

Tgt Ion: 136 Resp: 562650

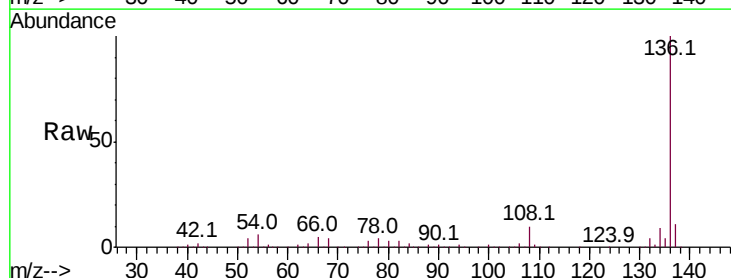
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.4 5.4 8.2

68 4.4 4.3 6.5

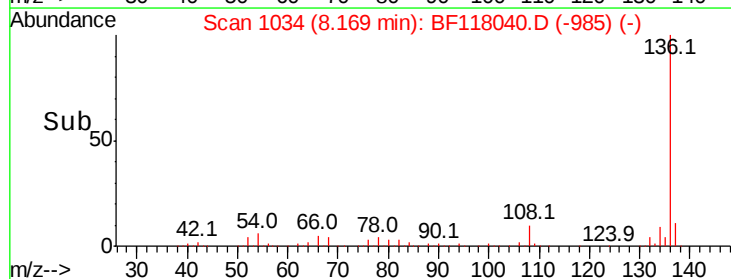
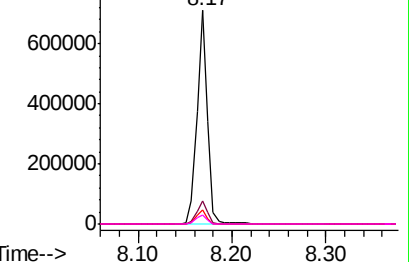


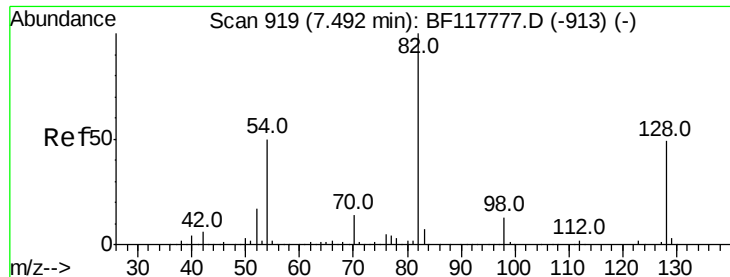
Abundance Ion 136.00 (135.70 to 136.70): E

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





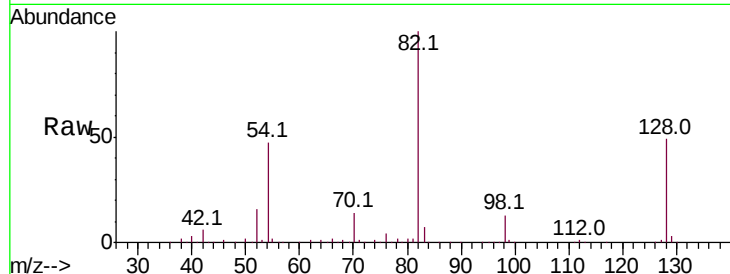
#23
Nitrobenzene-d5
Concen: 72.752 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Instrument :
BNA_F
ClientSampleId :
SOIL-002-E

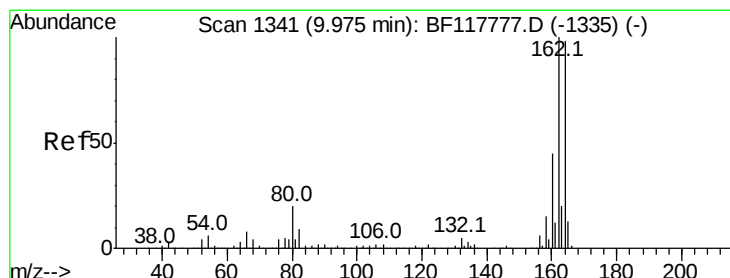
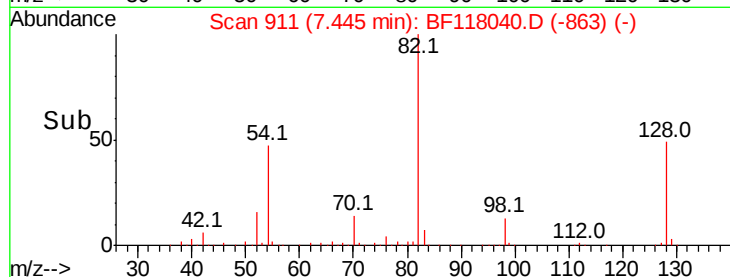
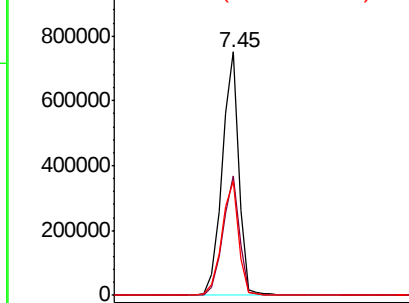
Tot Ion	Ratio	Resp	Lower	Upper
82	100	688595		
128	49.0		38.9	58.3
54	46.7		39.8	59.6

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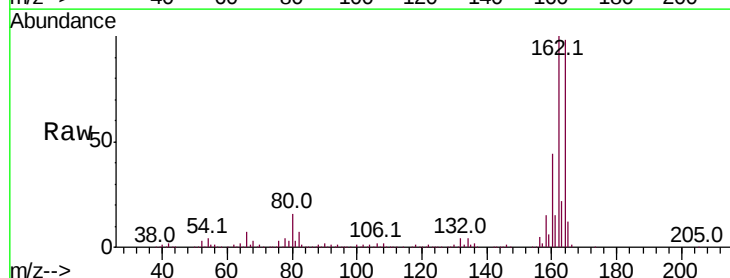


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

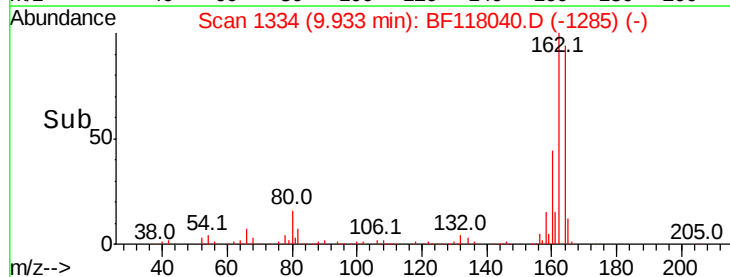
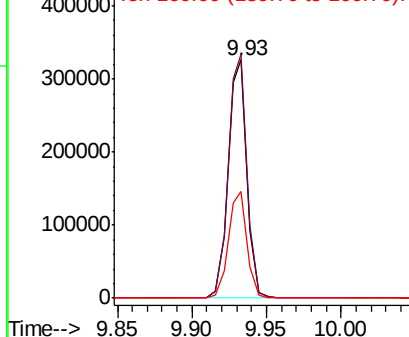


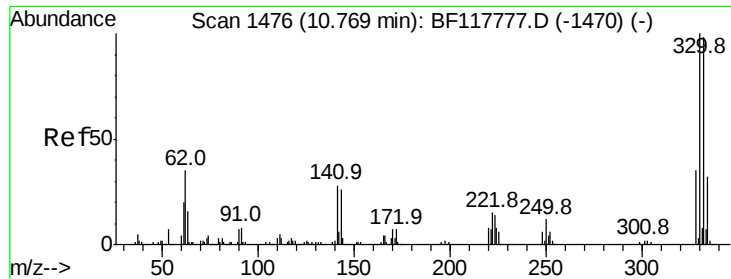
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	289968		
162	102.2		81.3	121.9
160	45.0		36.6	55.0



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: 107.283 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

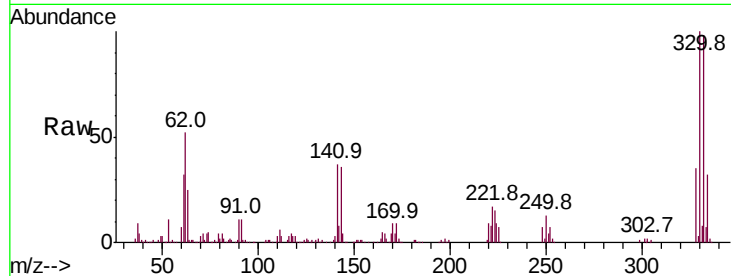
ClientSampleId :

SOIL-002-E

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.7	115.1
141	34.1	27.7	41.5

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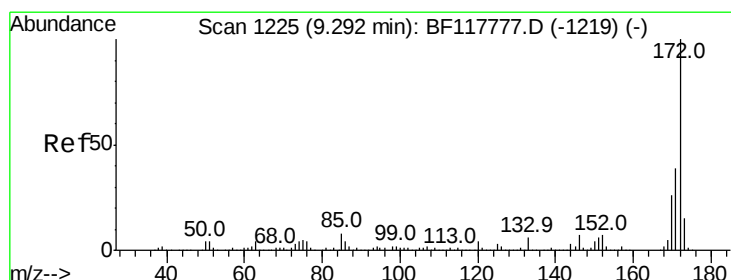
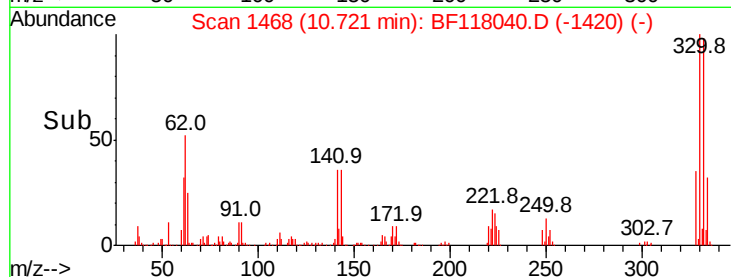
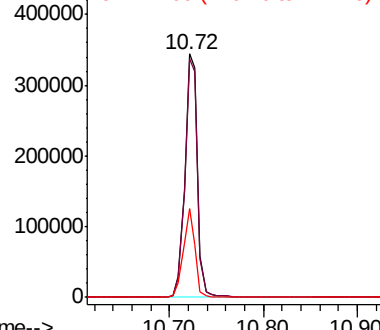


Abundance

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: 83.923 ng

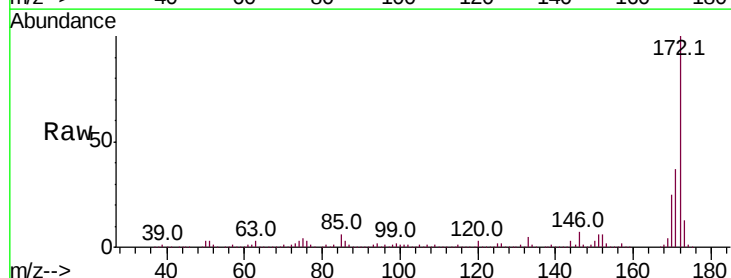
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.9	46.3
170	24.6	21.0	31.4

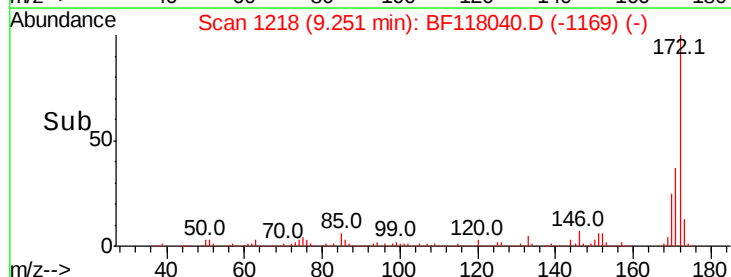
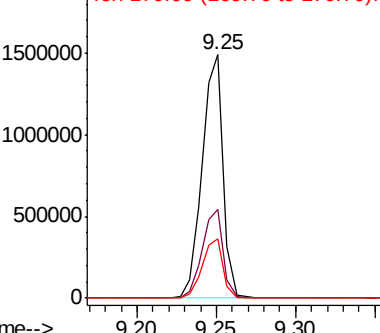


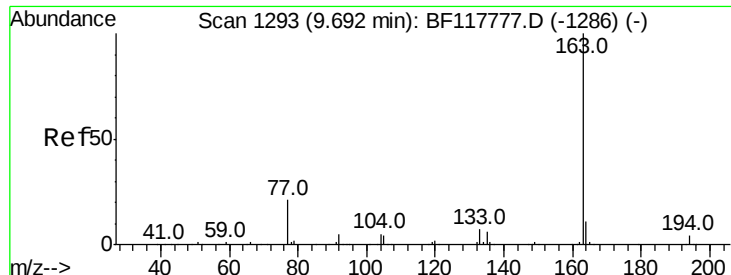
Abundance

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: 9.338 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

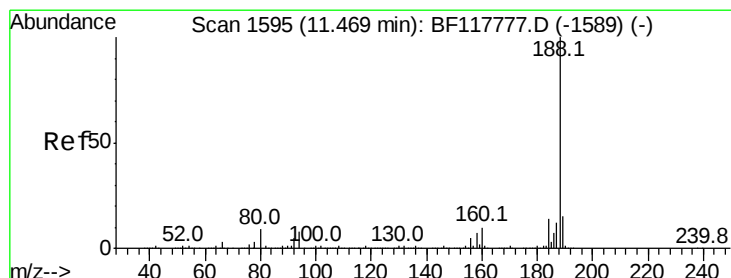
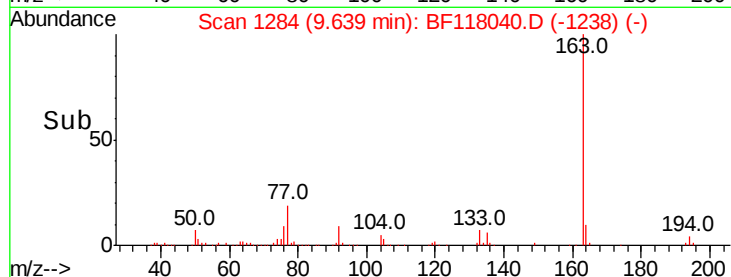
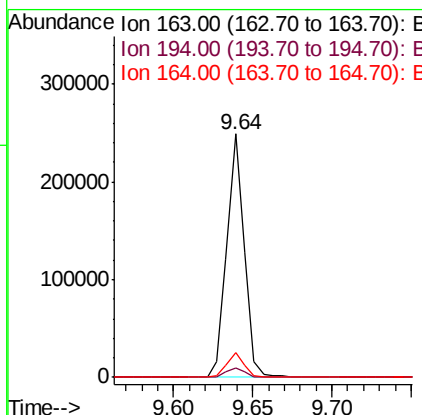
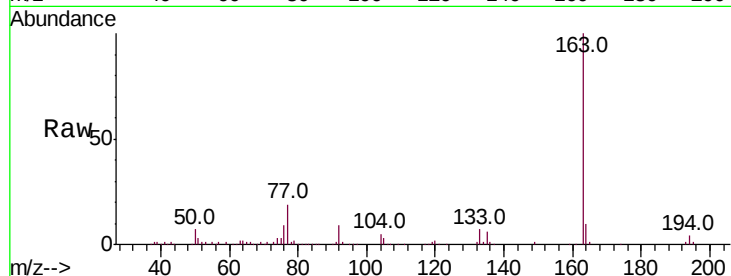
ClientSampleId :

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Tot Ion:	163	Resp:	189875
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.3	4.9
164	9.9	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

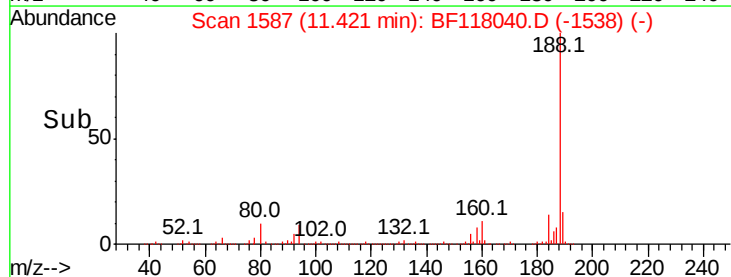
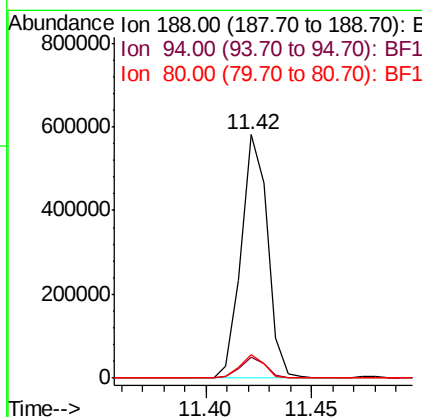
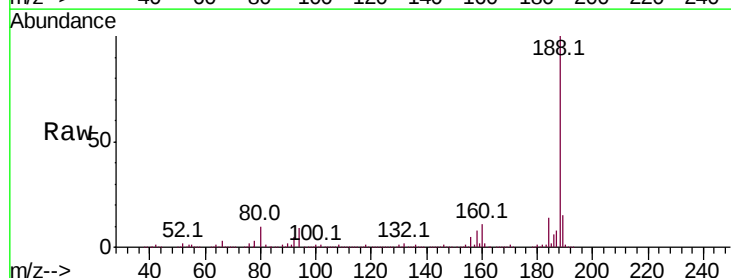
RT: 11.42 min Scan# 1587

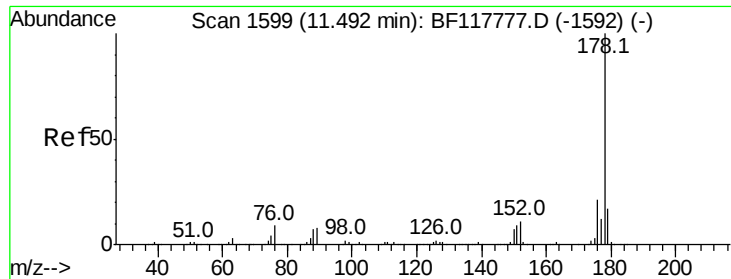
Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Tgt Ion:	188	Resp:	501762
Ion Ratio	Lower	Upper	
188	100		
94	8.7	6.6	10.0
80	9.6	7.2	10.8





#71

Phenanthrene

Concen: 5.226 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

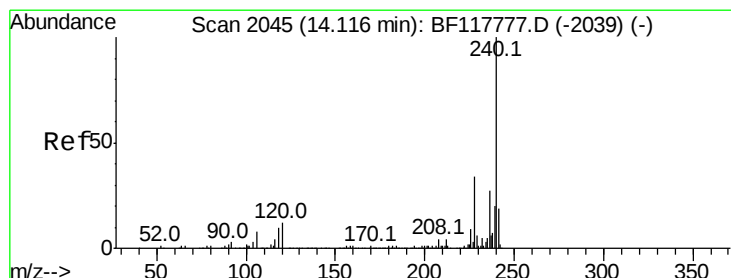
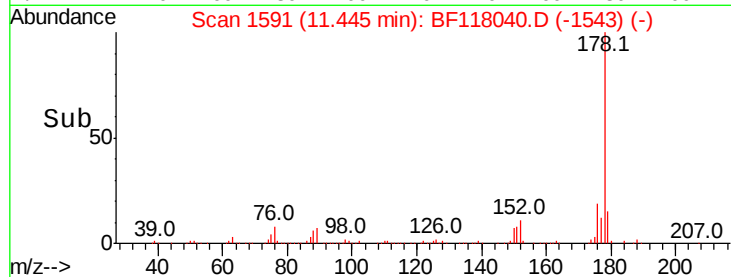
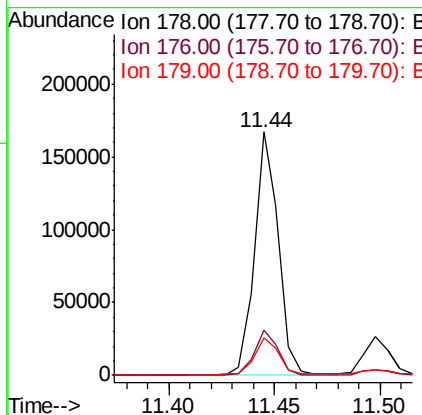
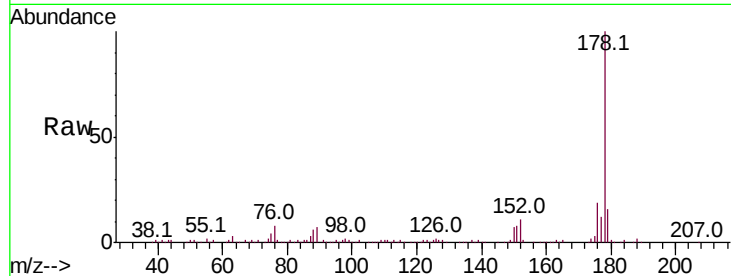
ClientSampleId :

SOIL-002-E

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	15.7	13.2	19.8

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#76

Chrysene-d12

Concen: 20.000 ng

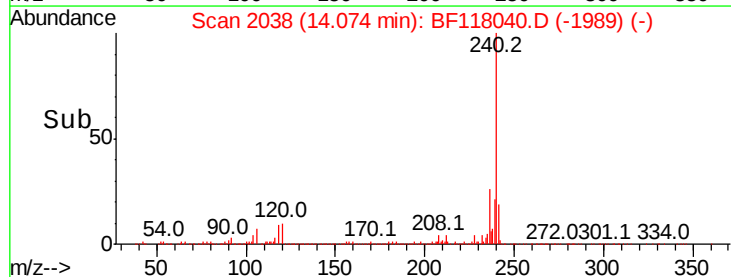
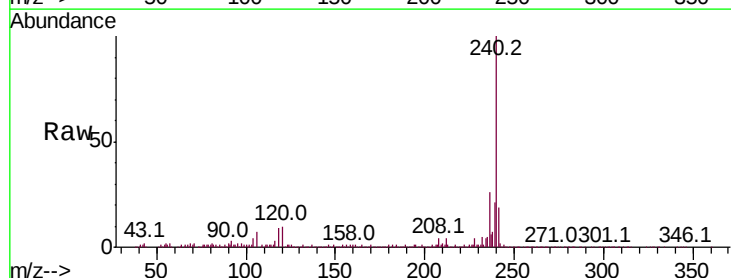
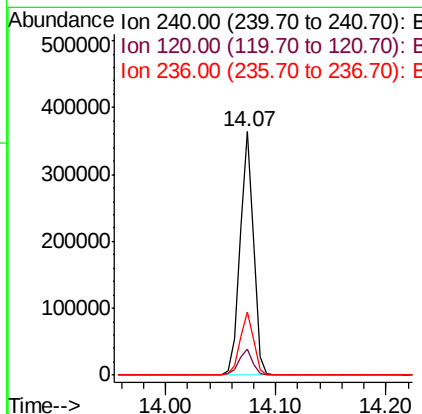
RT: 14.07 min Scan# 2038

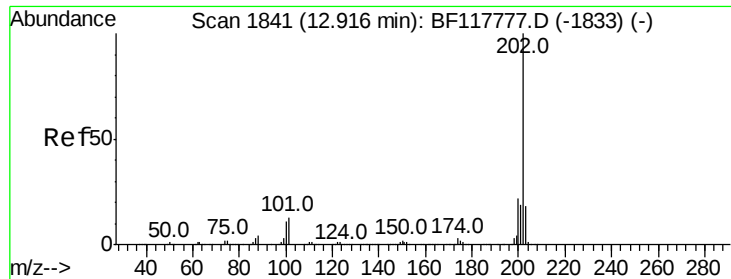
Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.2	21.3	31.9





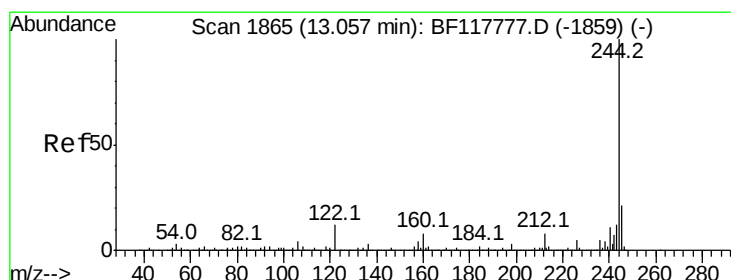
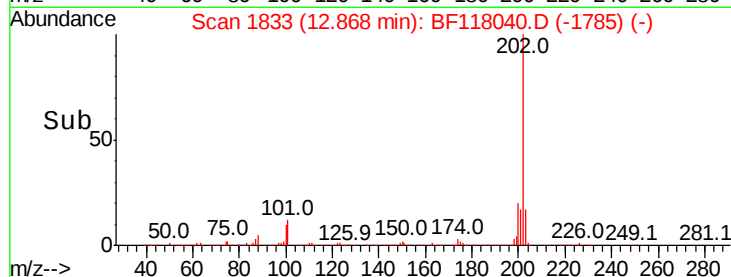
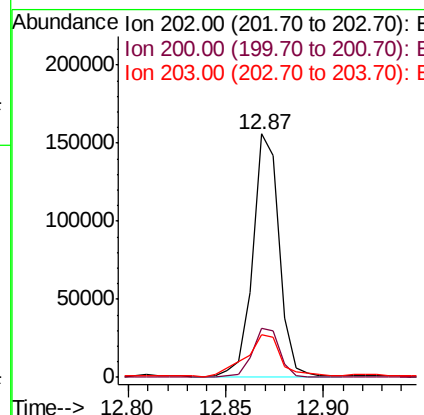
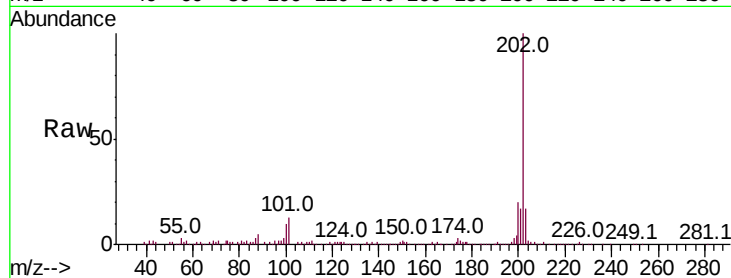
#78
Pvrene
Concen: 5.759 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Instrument :
BNA_F
ClientSampleId :
SOIL-002-E

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.8
203	17.5	14.6	22.0

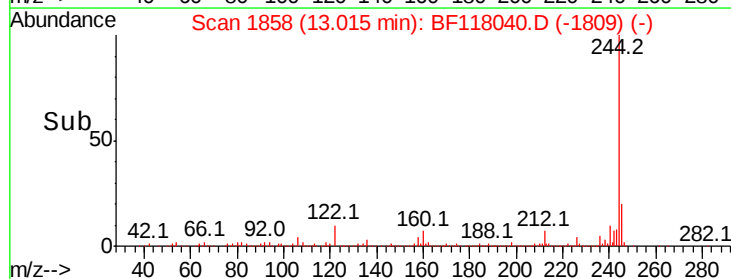
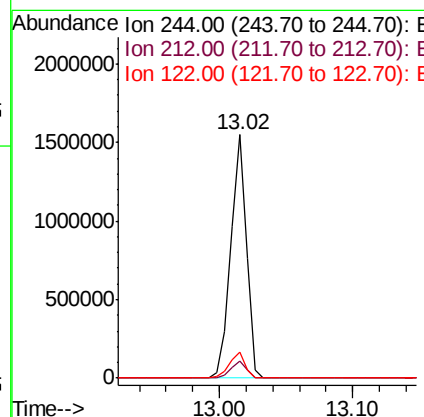
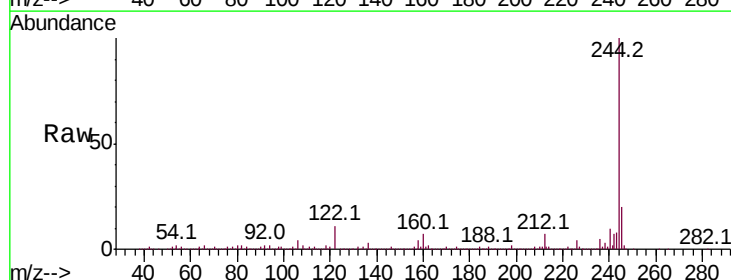
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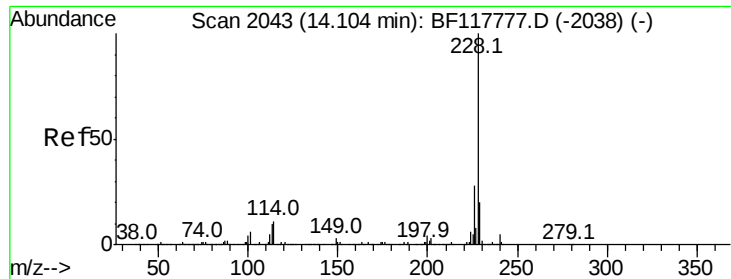
mohammad
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#79
Terphenyl-d14
Concen: 76.133 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.5	9.4	14.2





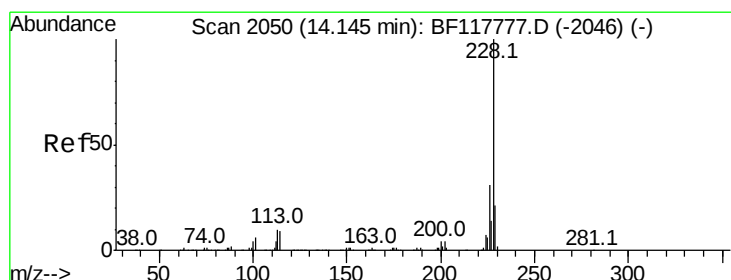
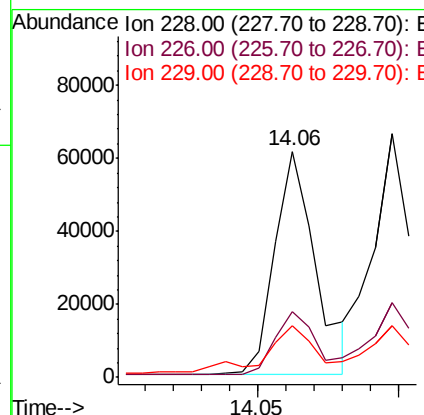
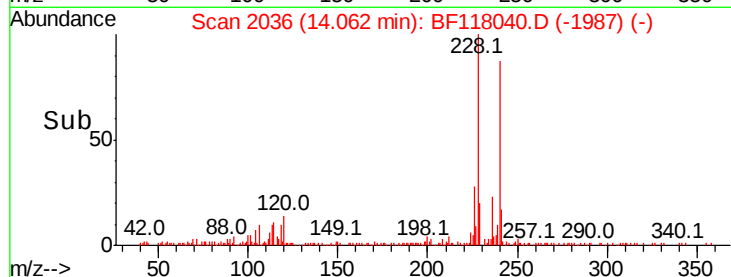
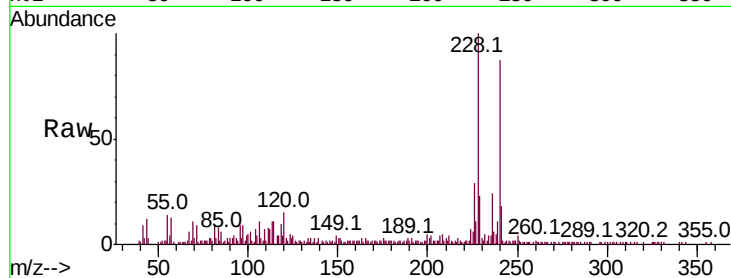
#81
Benzo(a)anthracene
Concen: 2.981 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Instrument :
BNA_F
ClientSampleId :
SOIL-002-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.2
229	22.8	15.9	23.9

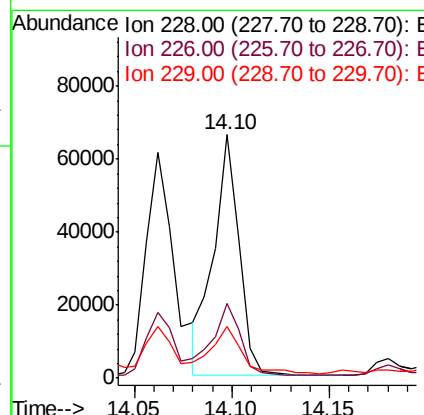
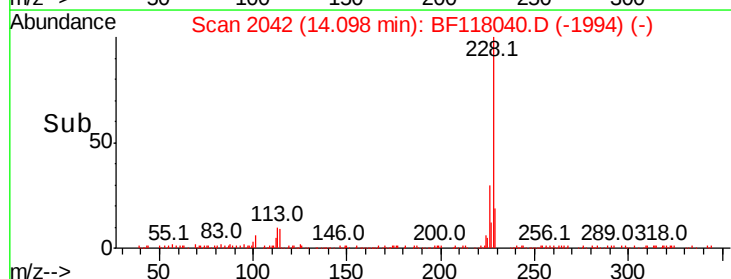
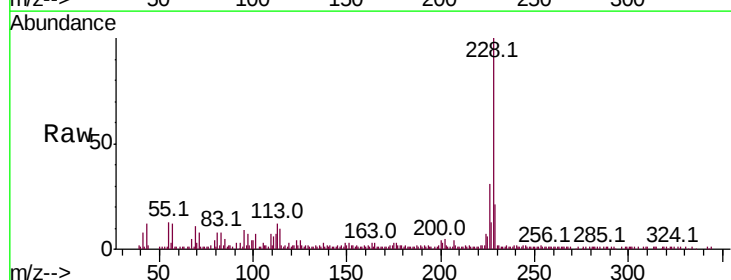
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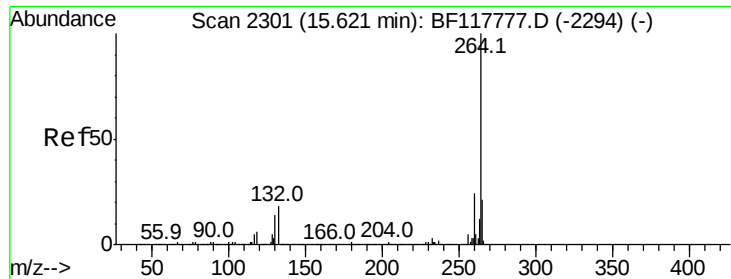
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#83
Chrysene
Concen: 3.015 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF118040.D
Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	21.3	16.6	25.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Instrument :

BNA_F

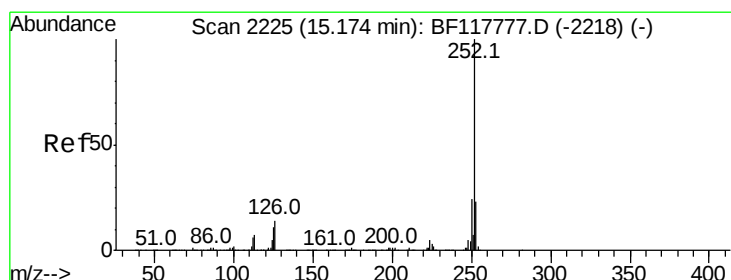
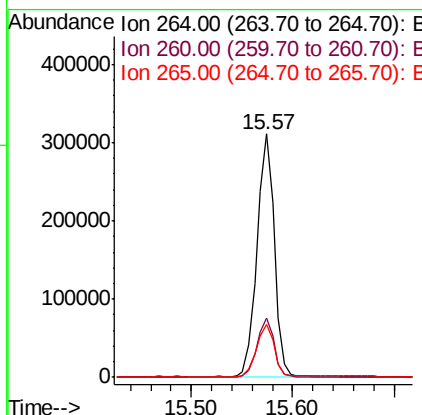
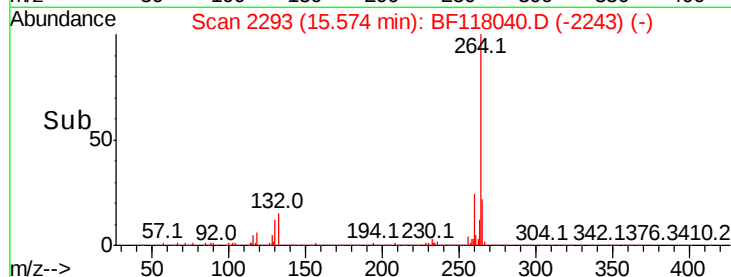
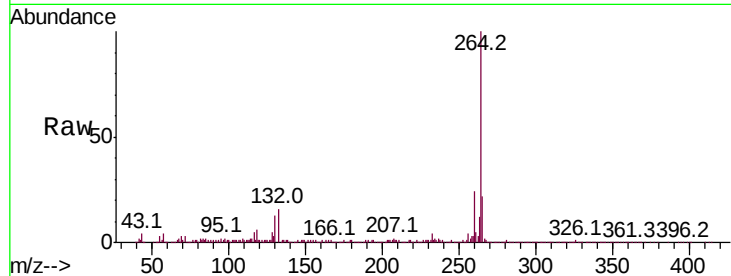
ClientSampleId :

SOIL-002-E

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	22.0	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 3.275 ng m

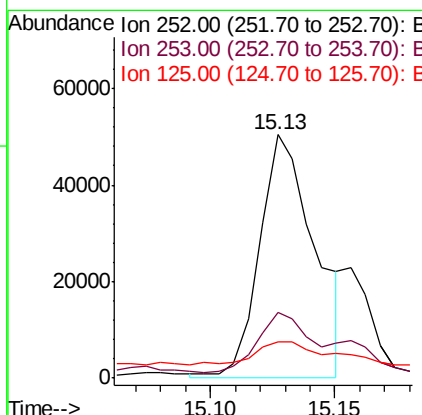
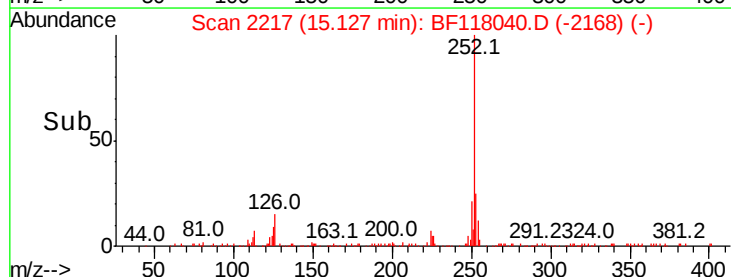
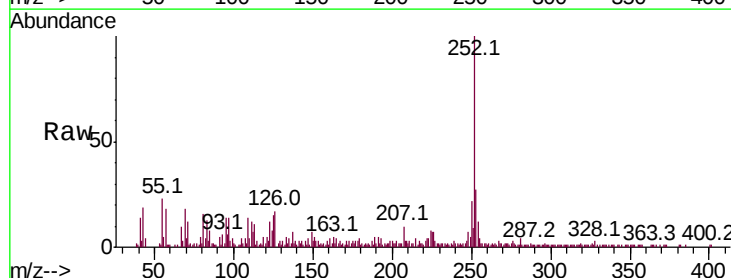
RT: 15.13 min Scan# 2217

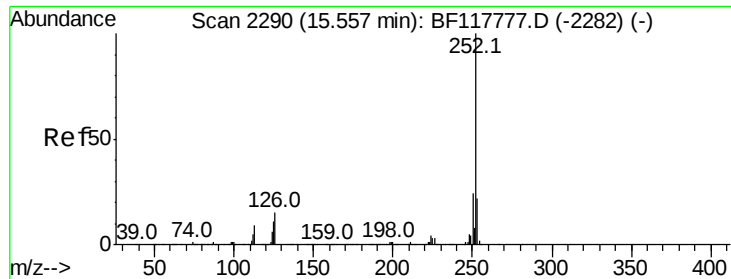
Delta R.T. -0.01 min

Lab File: BF118040.D

Acq: 27 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.0	27.0#
125	15.0	8.6	13.0#





#90
 Benzo(a)pyrene
 Concen: 2.128 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF118040.D
 Acq: 27 Nov 2019 14:58

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-002-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	17.3	9.2	13.8

Manual Integrations
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