

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
 Data File : BF115298.D
 Acq On : 28 Jun 2019 22:49
 Operator : HP/JU
 Sample : K3518-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S1-SOIL

Manual Integrations
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Quant Time: Jun 29 06:42:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	295059	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1150946	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	566560	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	1061920	20.00	ng	0.00
76) Chrysene-d12	13.71	240	731281	20.00	ng	0.00
87) Perylene-d12	15.07	264	726501	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1725304	90.23	ng	0.01
7) Phenol-d6	6.24	99	2182379	94.04	ng	0.00
23) Nitrobenzene-d5	7.16	82	1351508	72.23	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	615452	103.01	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2349584	70.44	ng	0.00
79) Terphenyl-d14	12.68	244	2428341	70.60	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	440897	10.577	ng	98
71) Phenanthrene	11.11	178	127545	2.231	ng	96
75) Fluoranthene	12.29	202	323254	5.667	ng	96
78) Pyrene	12.52	202	368542	6.558	ng	99
81) Benzo(a)anthracene	13.70	228	180018	3.431	ng	99
83) Chrysene	13.74	228	175207	3.645	ng	97
88) Benzo(b)fluoranthene	14.70	252	242018m	5.339	ng	
90) Benzo(a)pyrene	15.01	252	173967	4.258	ng	98
92) Benzo(g,h,i)perylene	16.70	276	87291	2.261	ng	99

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

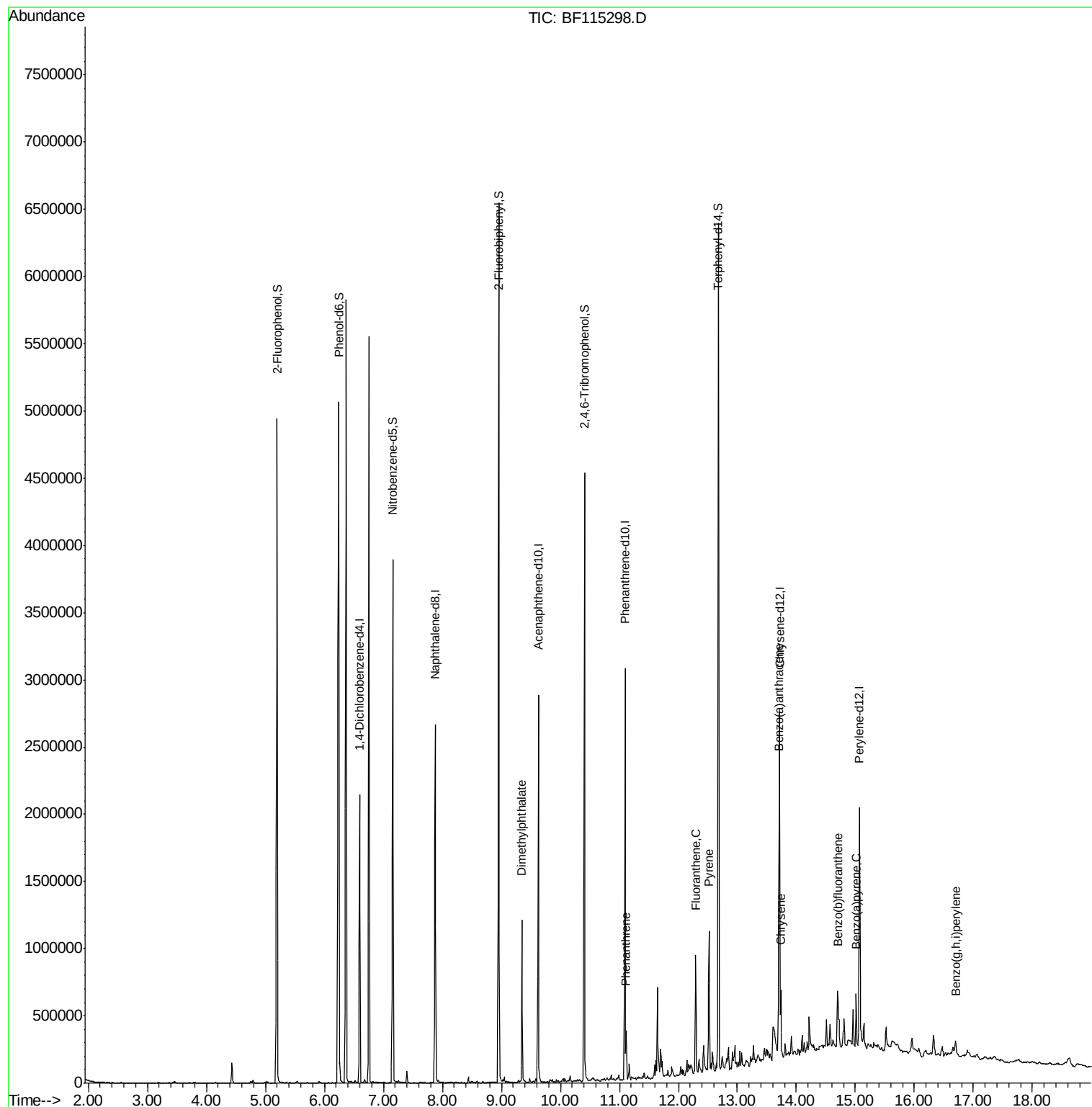
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115298.D
Acq On : 28 Jun 2019 22:49
Operator : HP/JU
Sample : K3518-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

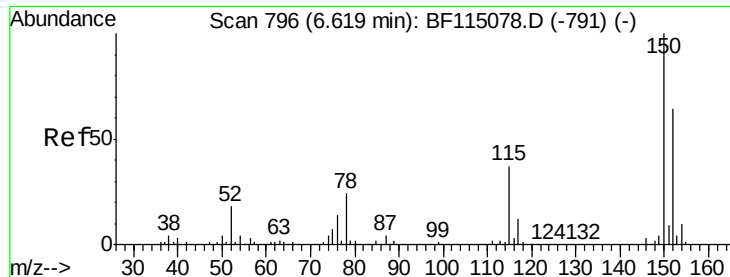
Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

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Quant Time: Jun 29 06:42:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

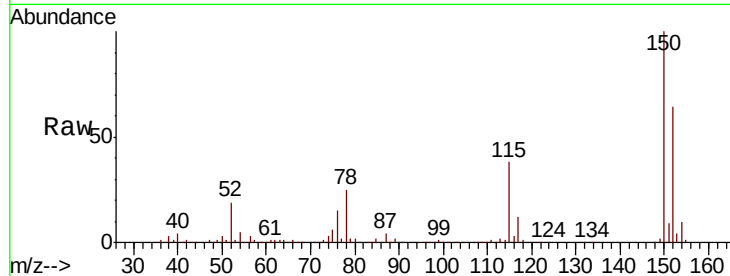
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.2	186.2
115	59.6	46.1	69.1

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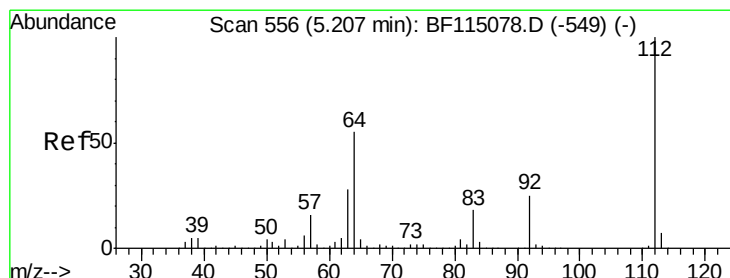
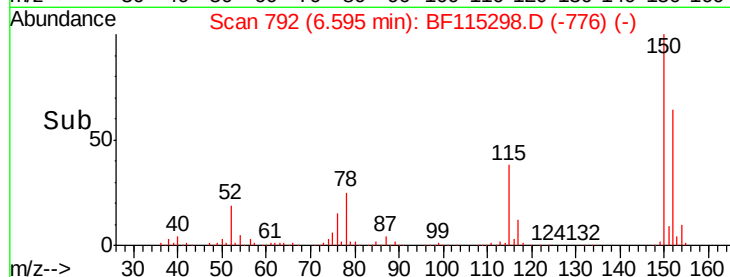
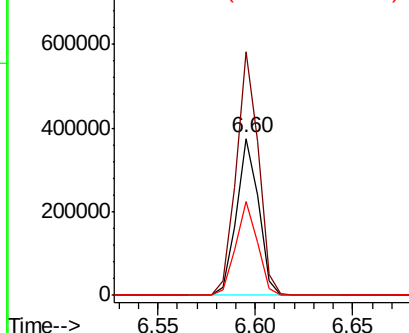


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

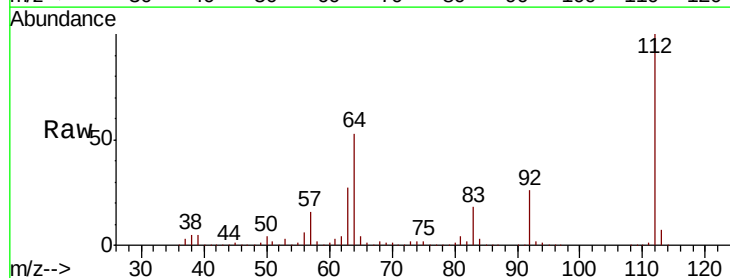
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.234 ng
RT: 5.20 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	43.8	65.6
63	27.1	22.2	33.4

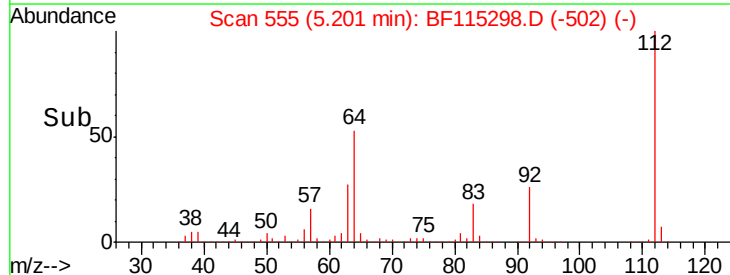
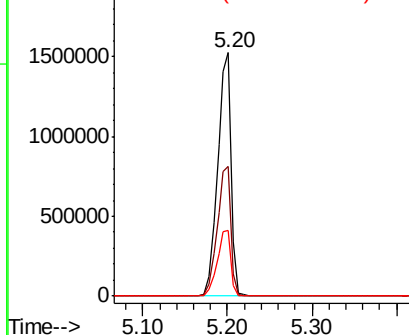


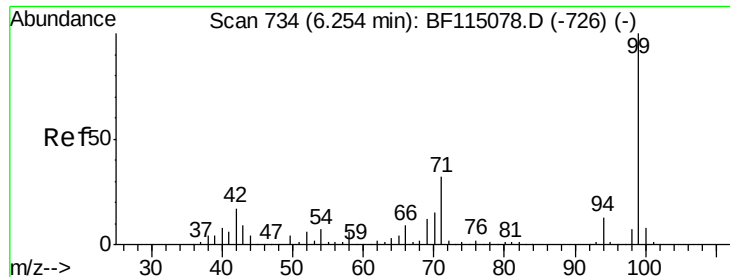
Abundance

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: 94.038 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

Instrument :

BNA_F

ClientSampleId :

CP-S1-SOIL

Tot Ion: 99 Resp: 2182379

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

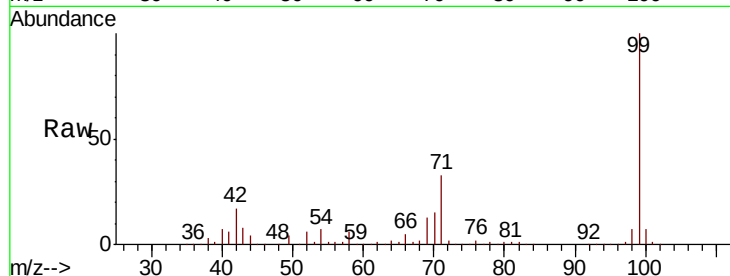
71 33.4 25.5 38.3

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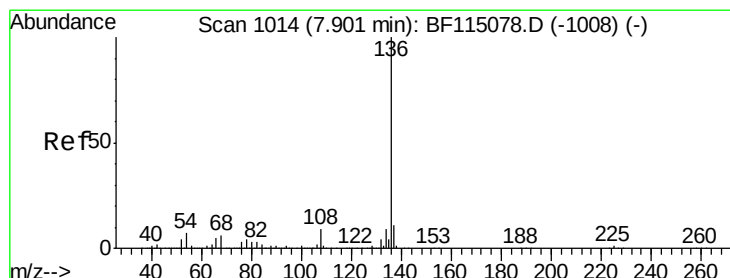
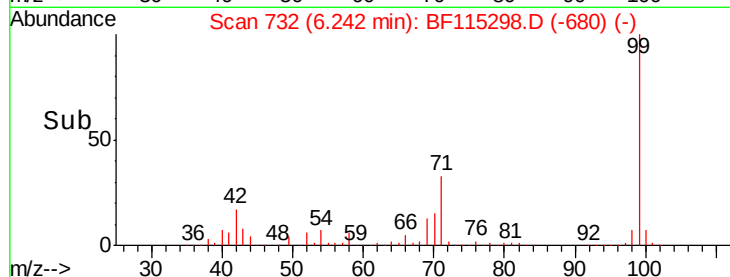
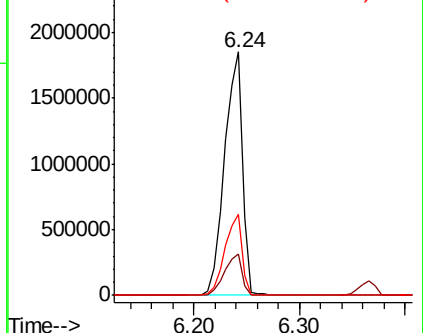
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115298.D

Acq: 28 Jun 2019 22:49

Tgt Ion:136 Resp: 1150946

Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 6.8 5.6 8.4

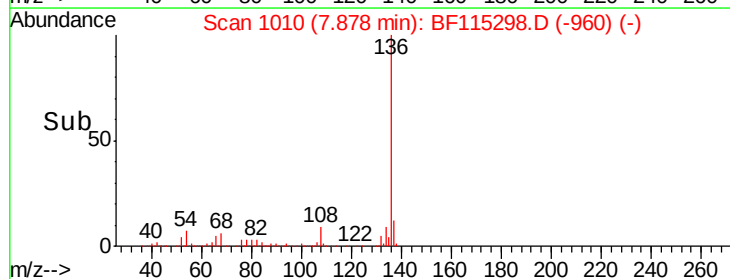
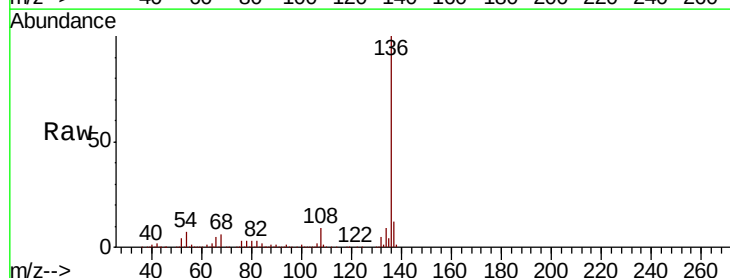
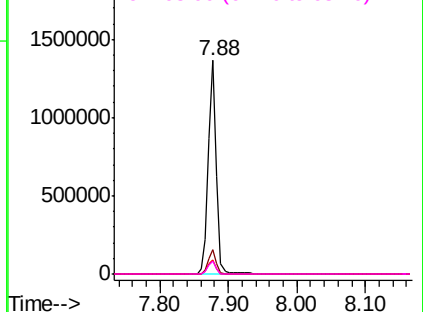
68 6.0 4.8 7.2

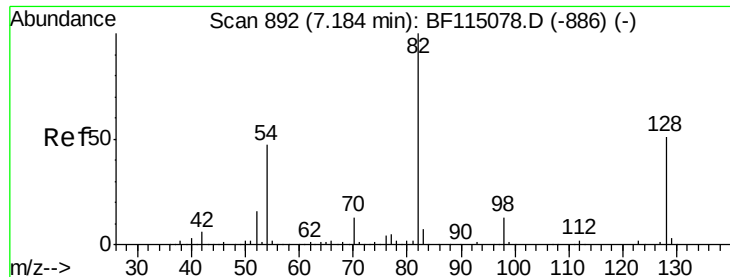
Abundance Ion 136.00 (135.70 to 136.70): E

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





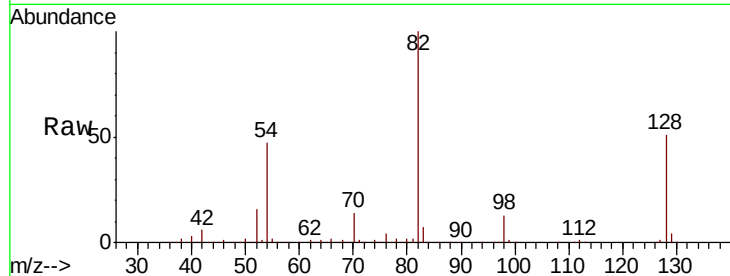
#23
Nitrobenzene-d5
Concen: 72.235 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

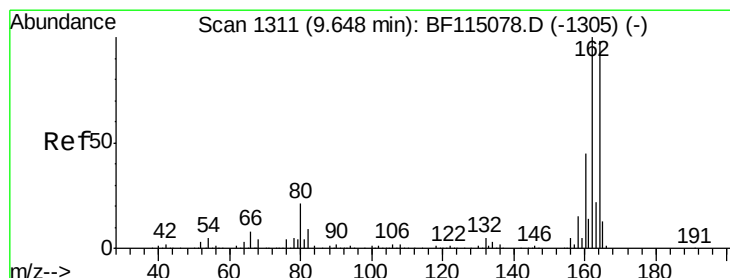
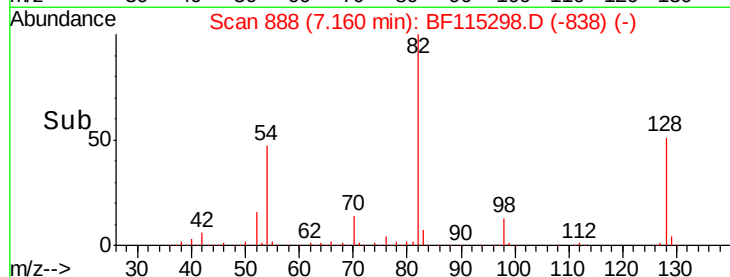
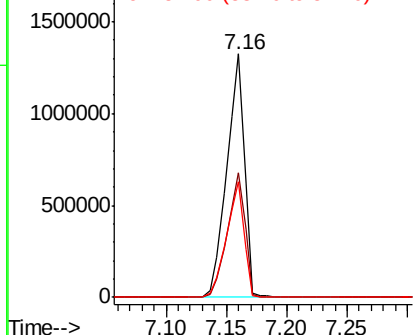
Tot Ion	82	Resp	1351508
Ion Ratio	100	Lower	Upper
128	51.3	40.4	60.6
54	47.4	37.5	56.3

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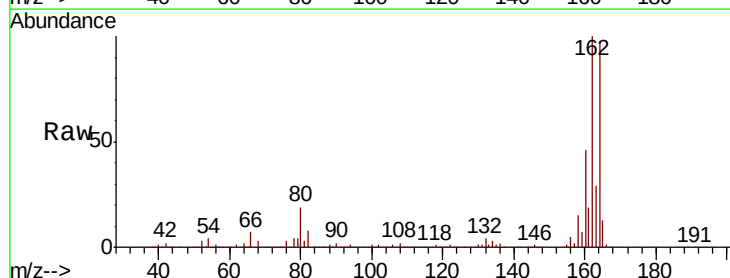


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

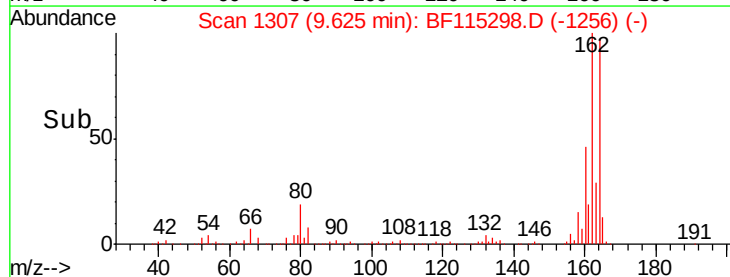
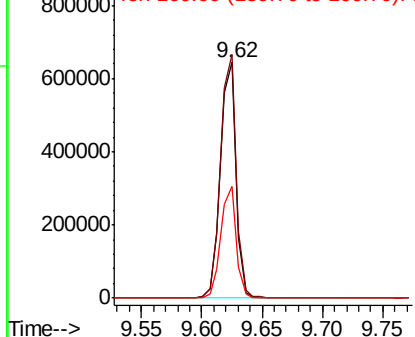


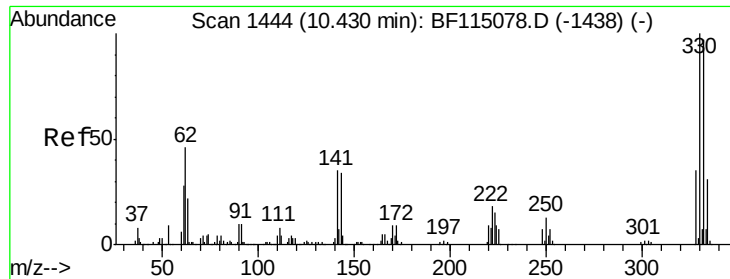
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion	164	Resp	566560
Ion Ratio	100	Lower	Upper
162	103.3	81.7	122.5
160	47.2	37.0	55.4



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





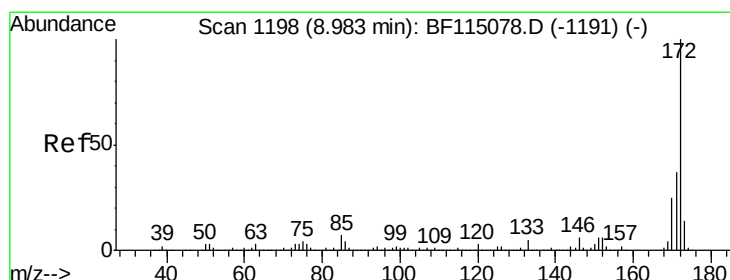
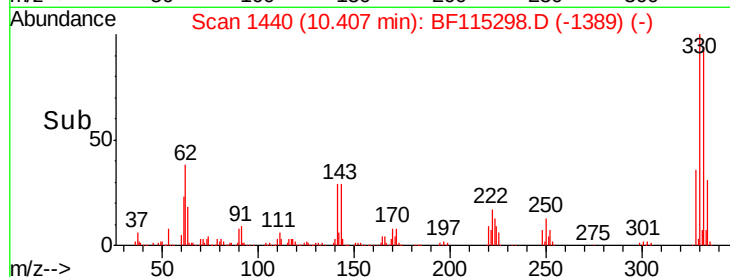
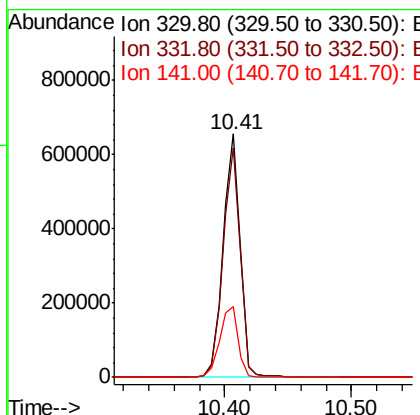
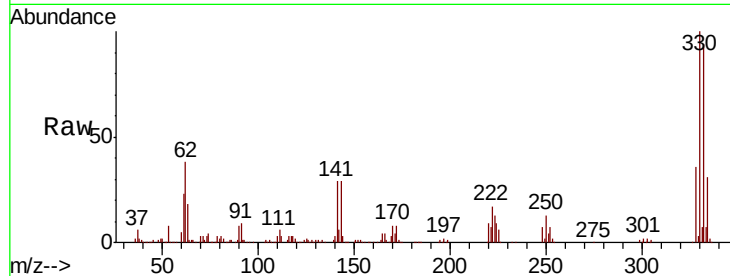
#42
 2,4,6-Tribromophenol
 Concen: 103.012 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Instrument :
 BNA_F
 ClientSampled :
 CP-S1-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	31.9	28.2	42.2

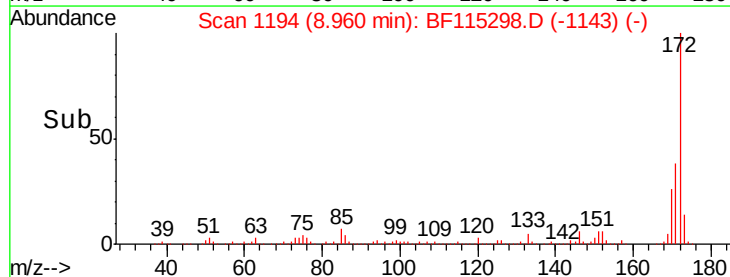
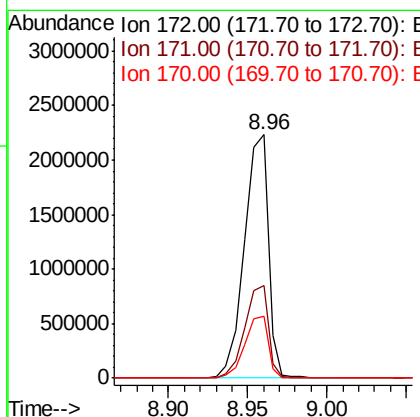
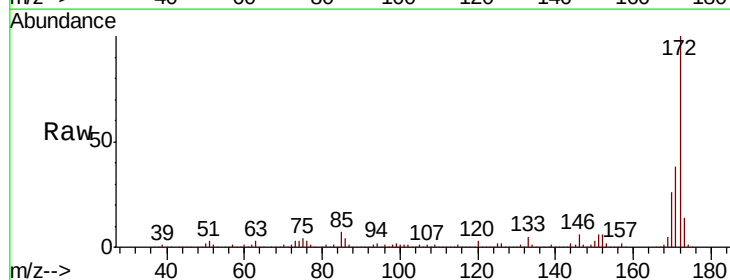
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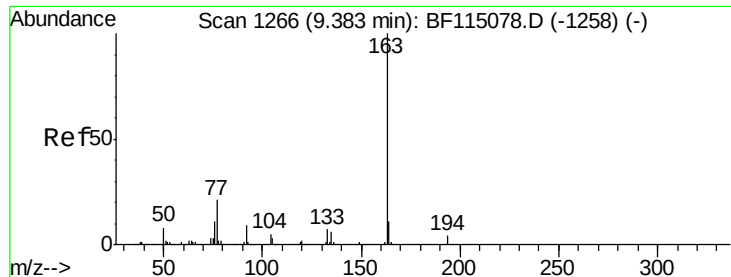
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#45
 2-Fluorobiphenyl
 Concen: 70.444 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.8	44.6
170	25.7	20.3	30.5





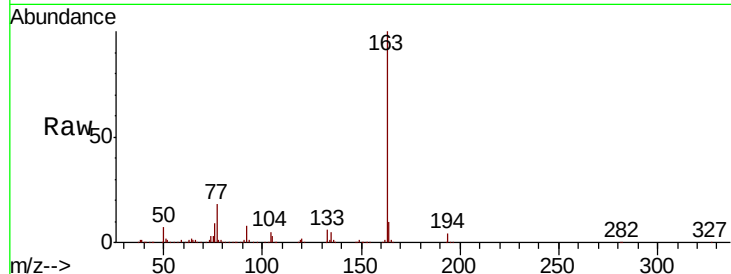
#50
Dimethylphthalate
Concen: 10.577 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	440897		
194	3.9		3.2	4.8
164	9.9		8.6	13.0

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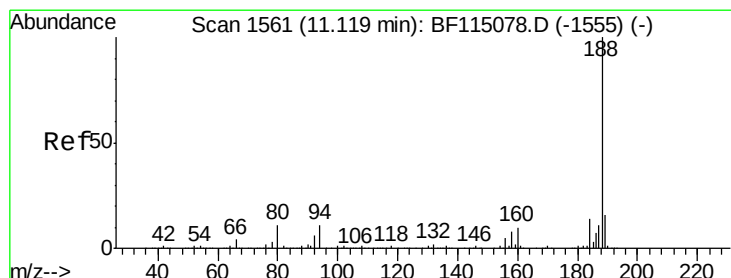
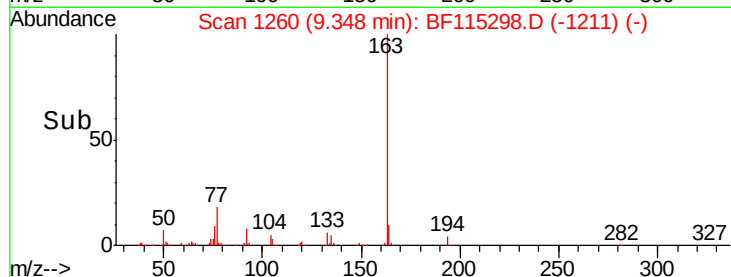
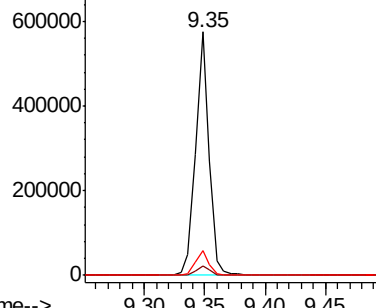


Abundance

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: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

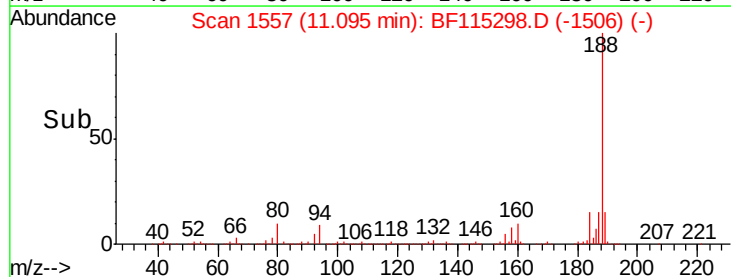
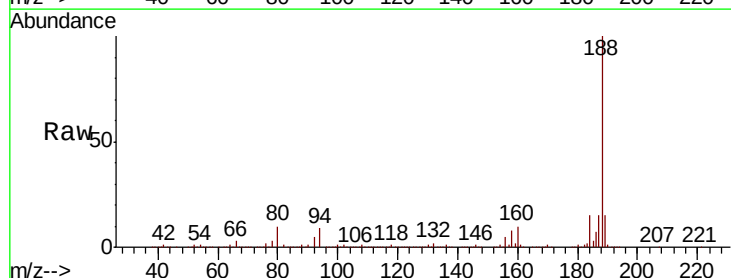
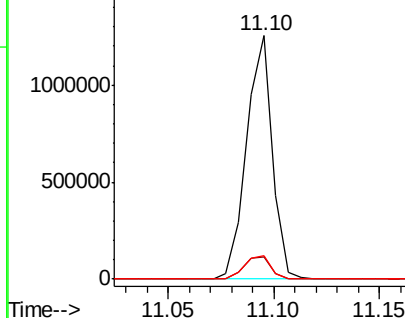
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1061920		
94	9.3		8.6	12.8
80	9.6		8.8	13.2

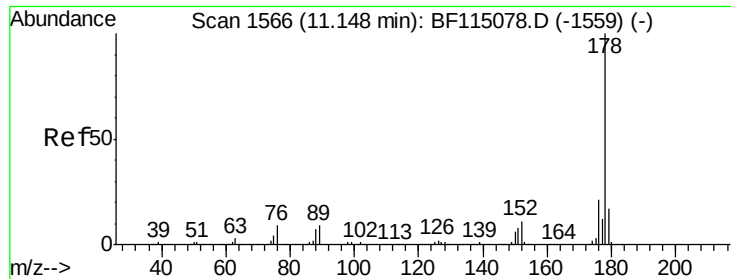
Abundance

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





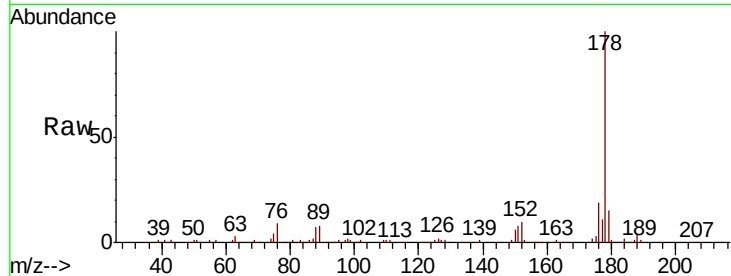
#71
Phenanthrene
Concen: 2.231 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.9	25.3
179	15.3	13.2	19.8

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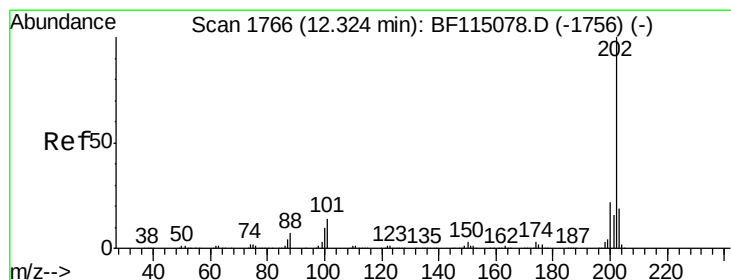
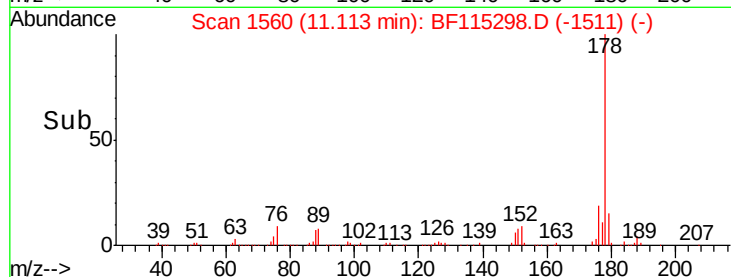
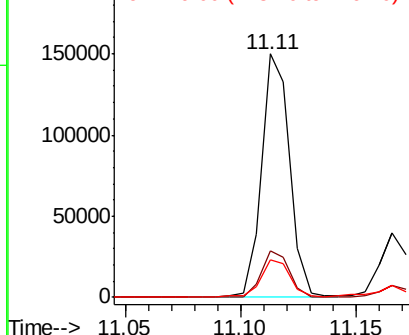


Abundance

Ion 178.00 (177.70 to 178.70): E

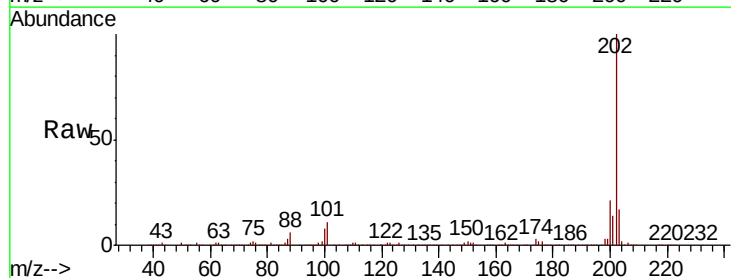
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 5.667 ng
RT: 12.29 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.0
203	17.4	0.0	38.8

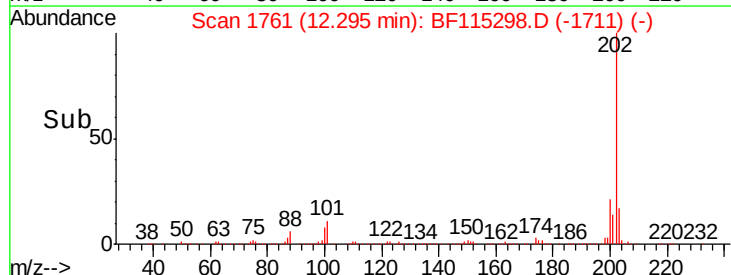
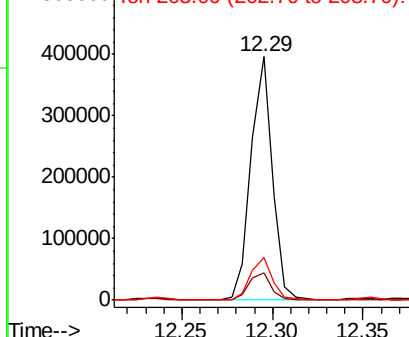


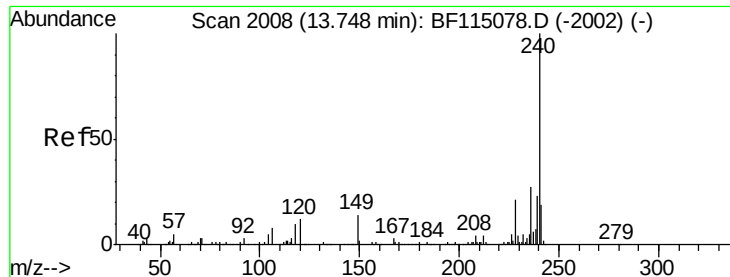
Abundance

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





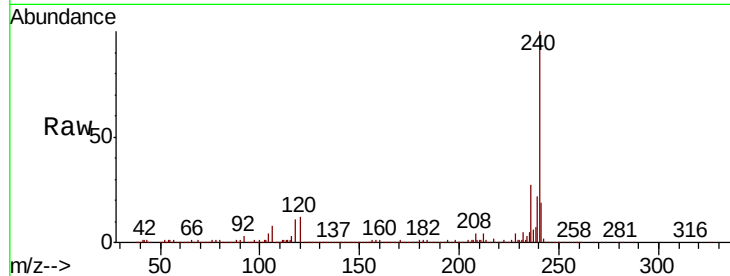
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.2
236	27.1	21.7	32.5

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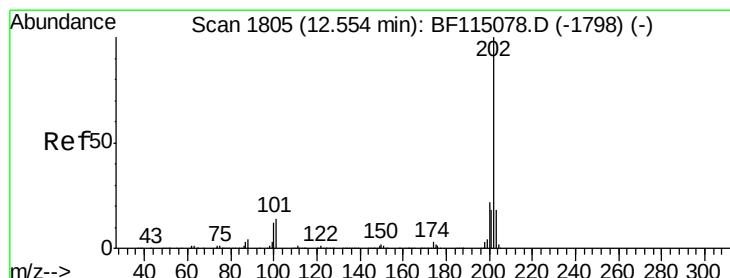
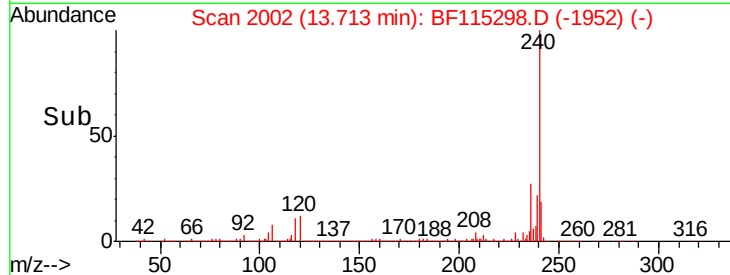
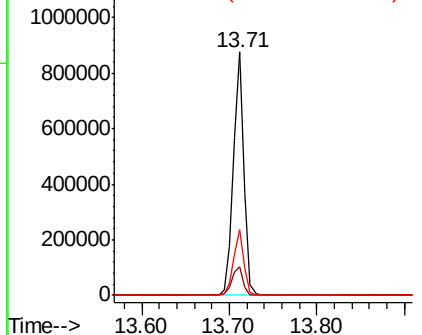


Abundance

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
Pyrene
Concen: 6.558 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

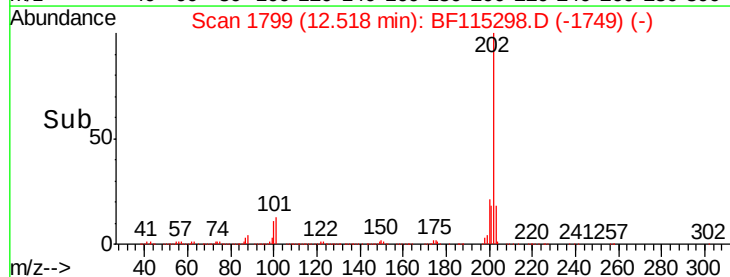
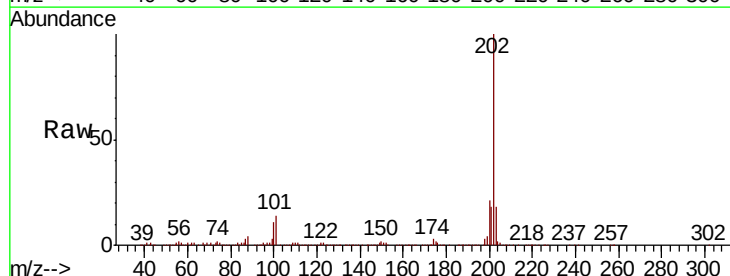
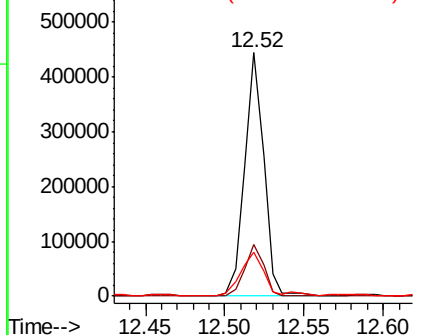
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	18.3	14.6	21.8

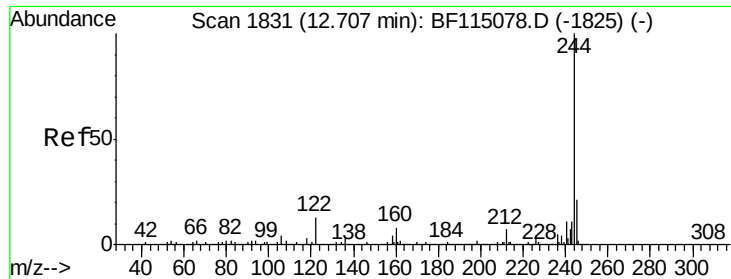
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





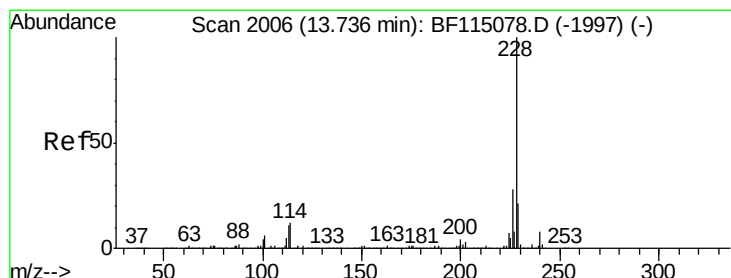
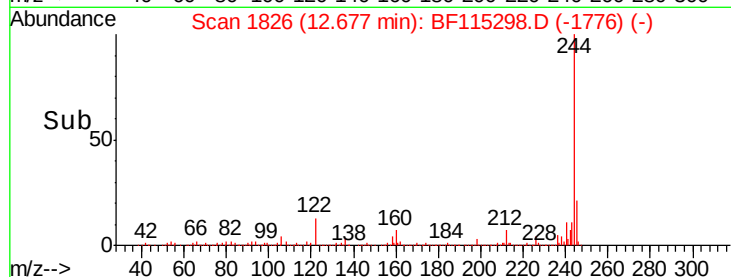
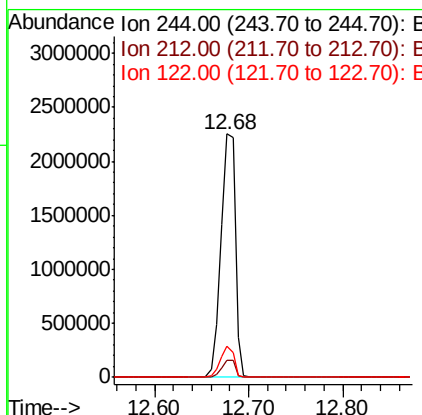
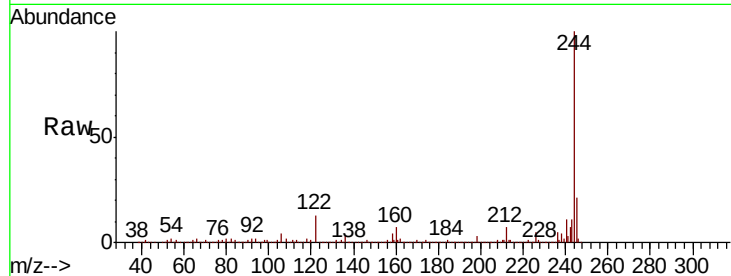
#79
 Terphenyl-d14
 Concen: 70.603 ng
 RT: 12.68 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Instrument :
 BNA_F
 ClientSampleId :
 CP-S1-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	12.7	10.4	15.6

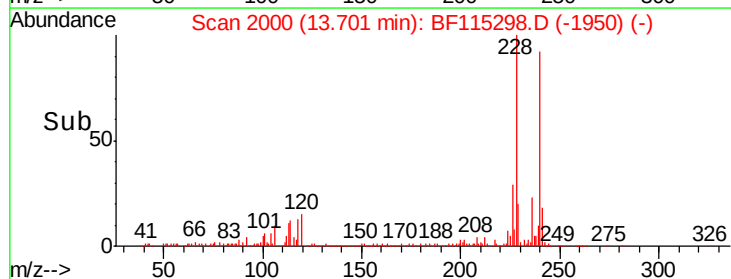
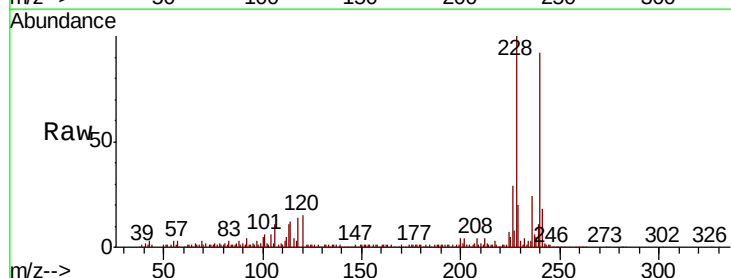
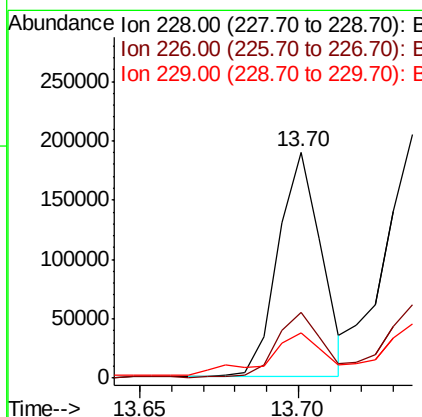
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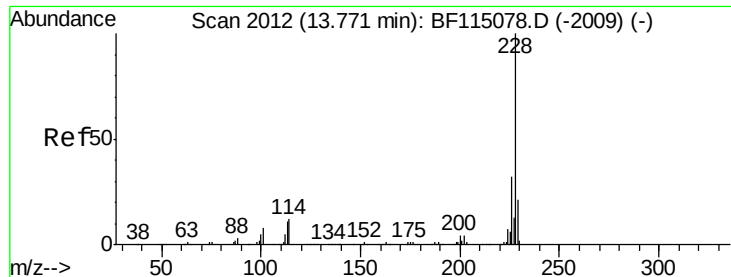
mohammad
 7/1/2019 3:06:04 PM



#81
 Benzo(a)anthracene
 Concen: 3.431 ng
 RT: 13.70 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	20.3	16.6	24.8





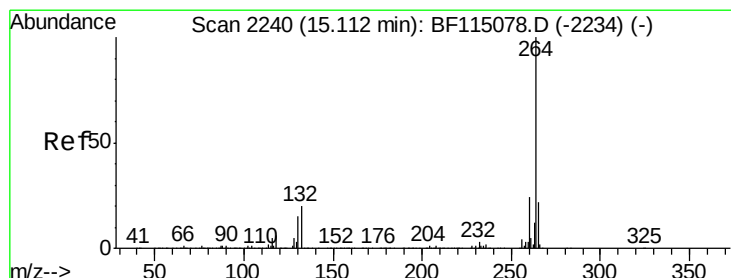
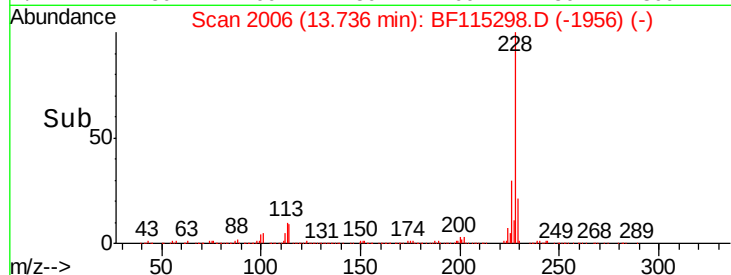
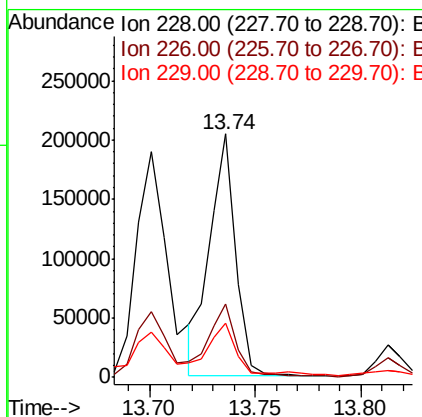
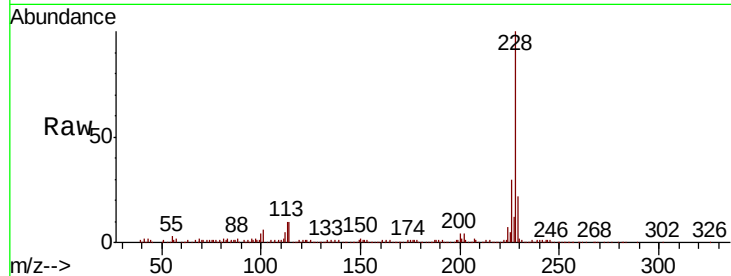
#83
Chrysene
Concen: 3.645 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.4	25.4	38.0		
229	22.0	16.5	24.7		

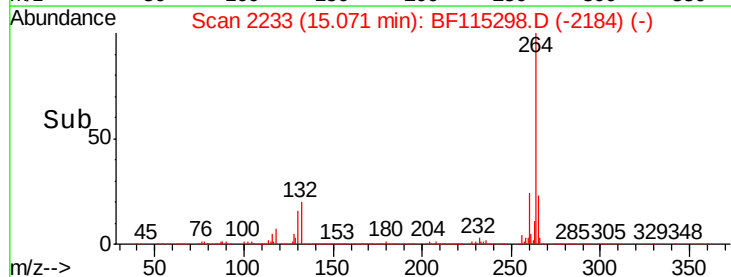
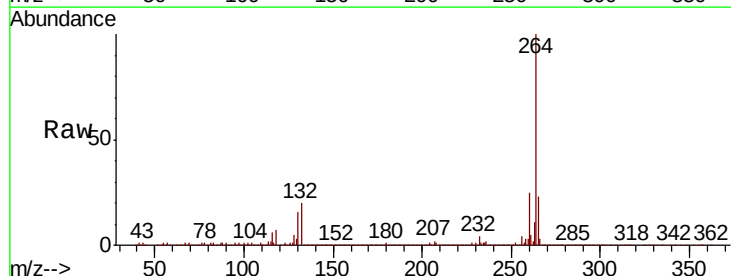
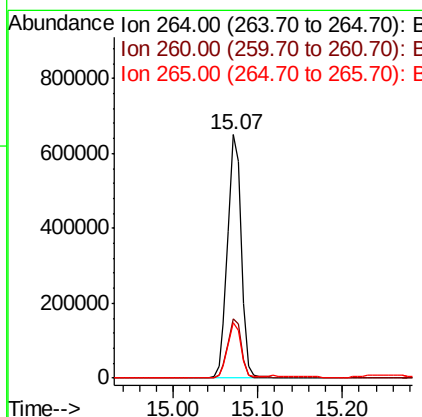
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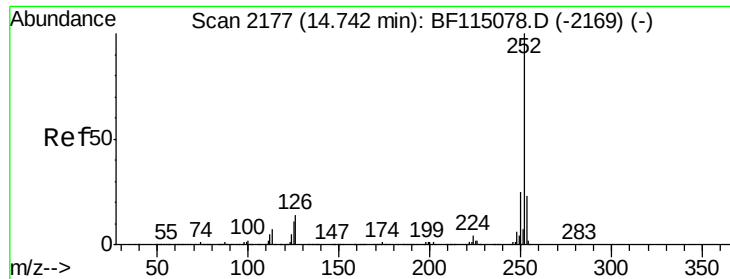
mohammad
7/1/2019 3:06:04 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.6	19.6	29.4		
265	22.9	17.3	25.9		





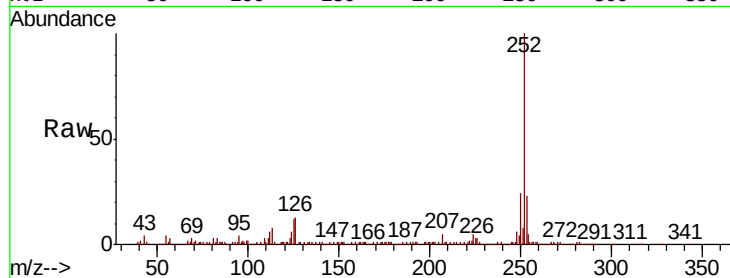
#88
Benzo(b)fluoranthene
Concen: 5.339 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

Instrument :
BNA_F
ClientSampleId :
CP-S1-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.0	8.7	13.1

Manual Integrations
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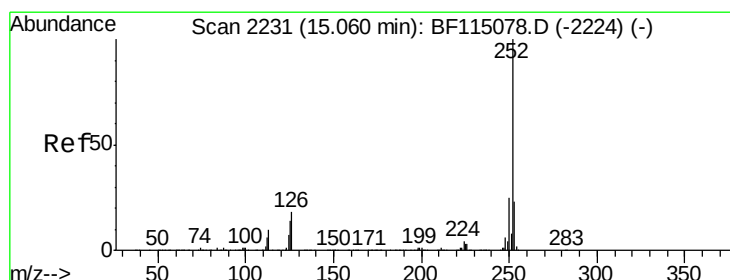
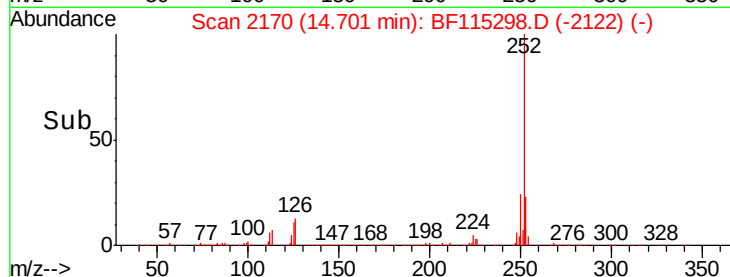
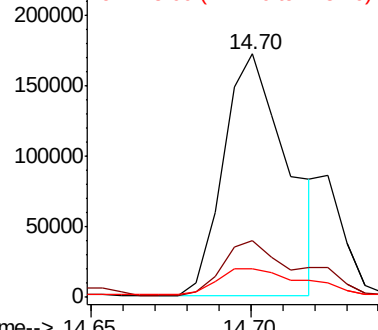


Abundance

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: 4.258 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF115298.D
Acq: 28 Jun 2019 22:49

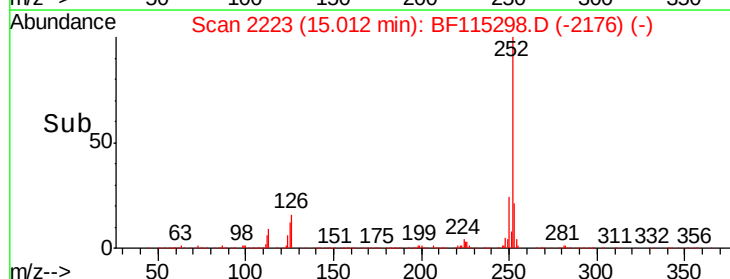
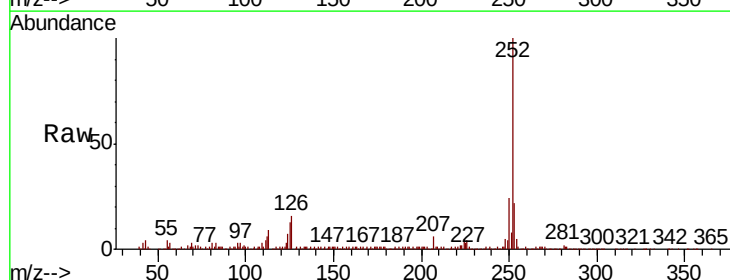
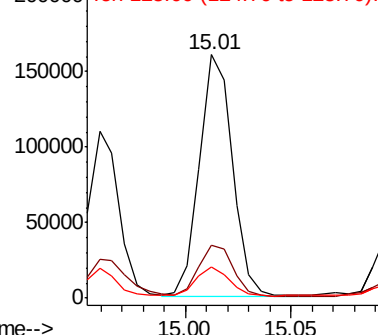
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.3	27.5
125	12.9	10.9	16.3

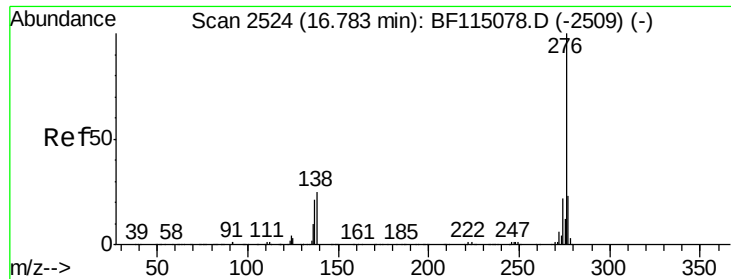
Abundance

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: 2.261 ng
 RT: 16.70 min Scan# 2510
 Delta R.T. -0.04 min
 Lab File: BF115298.D
 Acq: 28 Jun 2019 22:49

Instrument :
 BNA_F
 ClientSampleId :
 CP-S1-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.9	18.6	28.0		
138	24.0	19.8	29.6		

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