

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
 Data File : BF115296.D
 Acq On : 28 Jun 2019 21:56
 Operator : HP/JU
 Sample : K3518-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S3-SOIL

Manual Integrations
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Quant Time: Jun 29 06:37:36 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	240001	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	928968	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	452646	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	907909	20.00	ng	0.00
76) Chrysene-d12	13.71	240	717224	20.00	ng	0.00
87) Perylene-d12	15.08	264	751165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1313329	84.45	ng	0.00
7) Phenol-d6	6.24	99	1644914	87.14	ng	0.00
23) Nitrobenzene-d5	7.16	82	991909	65.68	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	487021	102.03	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1837927	68.97	ng	0.00
79) Terphenyl-d14	12.68	244	2122960	62.93	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	327164	9.824	ng	99
71) Phenanthrene	11.12	178	580283	11.871	ng	97
72) Anthracene	11.17	178	142872	2.895	ng	98
75) Fluoranthene	12.29	202	1002255	20.549	ng	99
78) Pyrene	12.52	202	1234119	22.390	ng	100
81) Benzo(a)anthracene	13.70	228	590629	11.477	ng	98
83) Chrysene	13.74	228	569965	12.091	ng	97
86) Indeno(1,2,3-cd)pyrene	16.33	276	204854m	3.672	ng	
88) Benzo(b)fluoranthene	14.70	252	544290m	11.613	ng	
89) Benzo(k)fluoranthene	14.72	252	139314m	3.314	ng	
90) Benzo(a)pyrene	15.02	252	412895	9.774	ng	98
92) Benzo(a,h,i)perylene	16.70	276	203059	5.087	ng	100

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

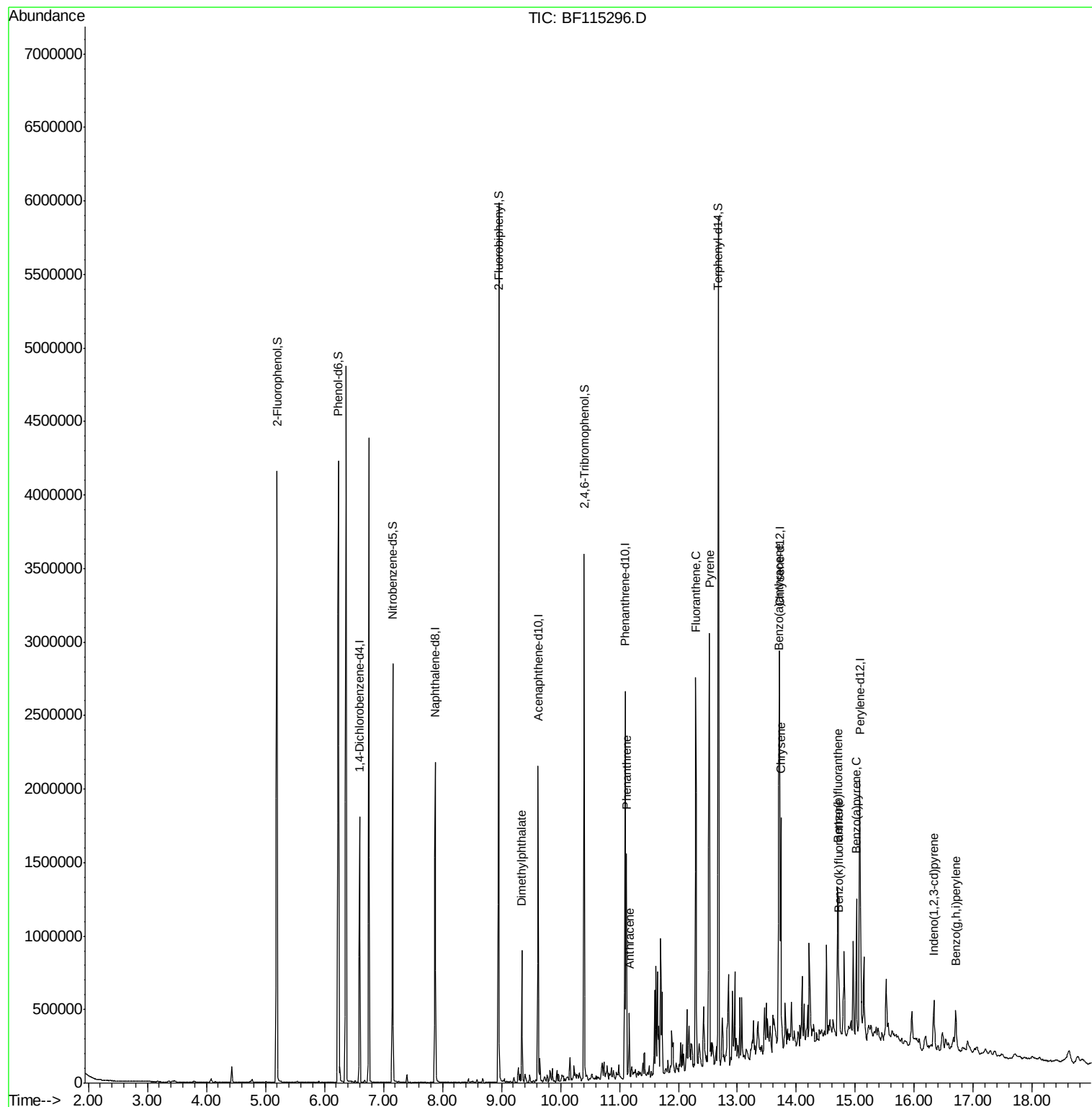
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
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Sample : K3518-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

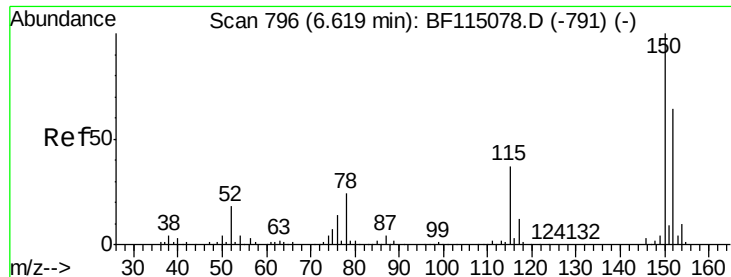
Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
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#1

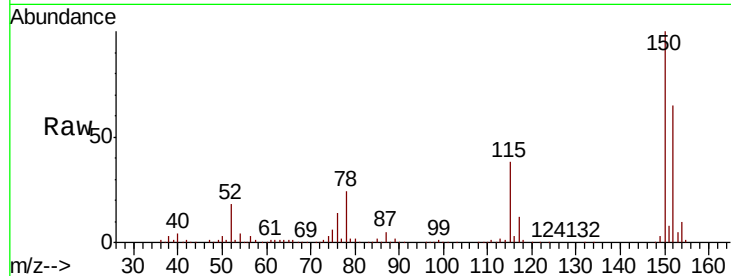
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.2	186.2
115	58.3	46.1	69.1

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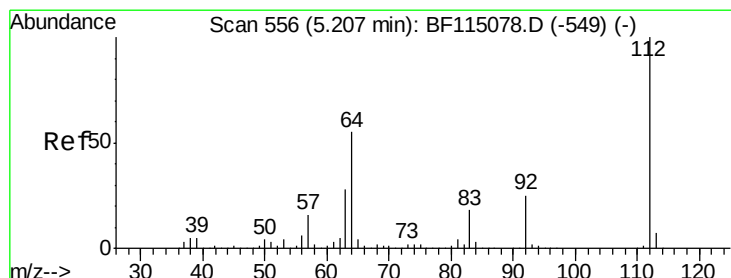
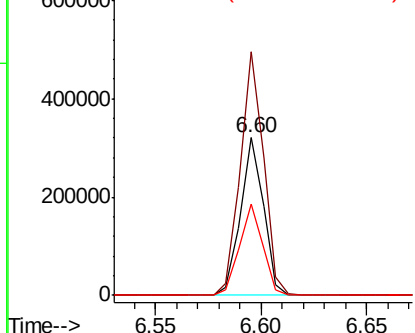
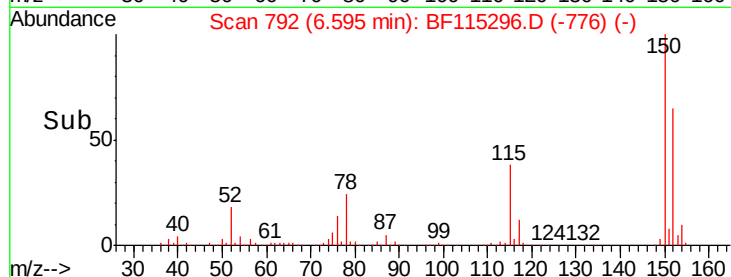


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

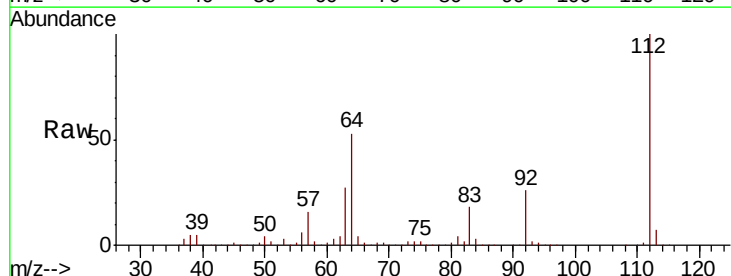
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.445 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	43.8	65.6
63	27.2	22.2	33.4

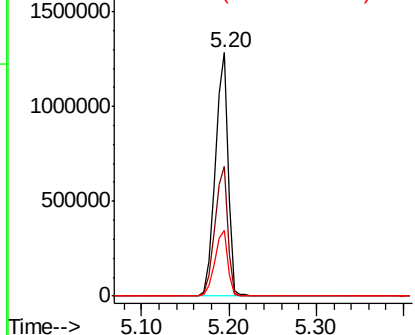
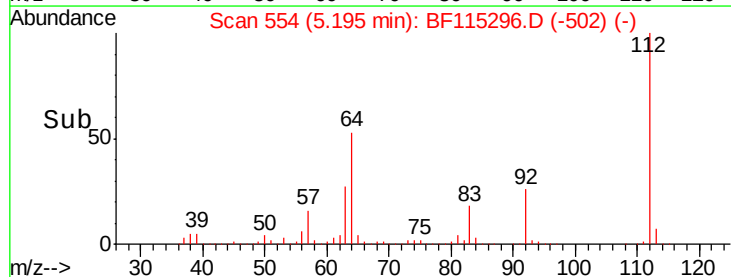


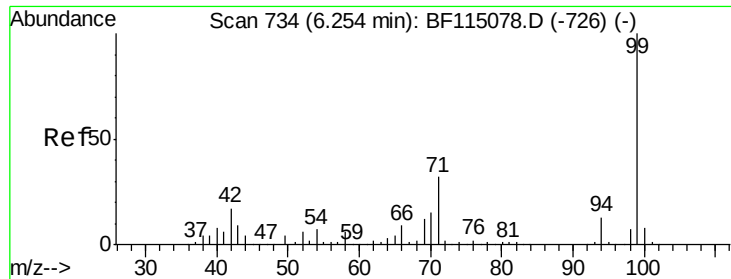
Abundance

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: 87.139 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

ClientSampleId :

CP-S3-SOIL

Tot Ion: 99 Resp: 1644914

Ion Ratio Lower Upper

99 100

42 17.0 13.6 20.4

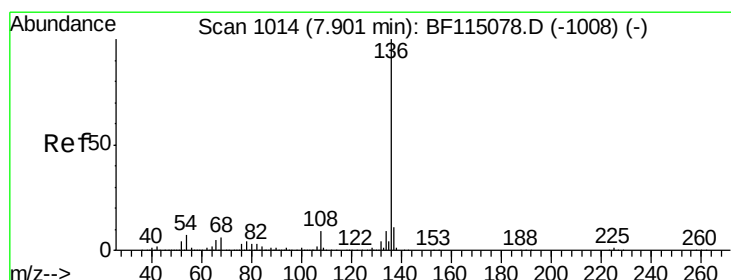
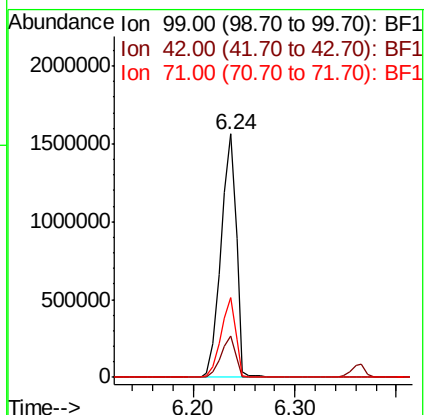
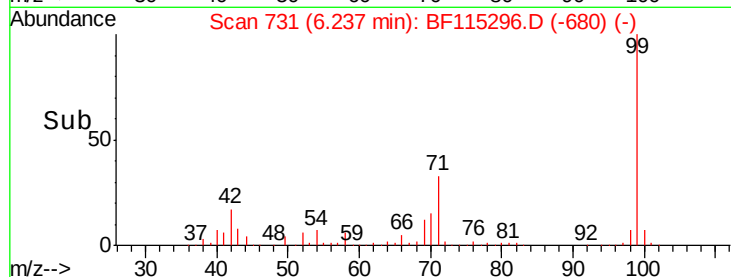
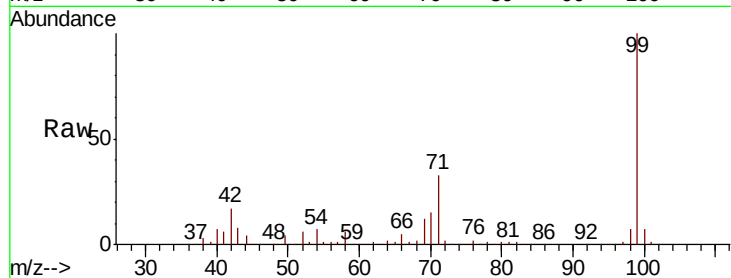
71 32.7 25.5 38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Tgt Ion: 136 Resp: 928968

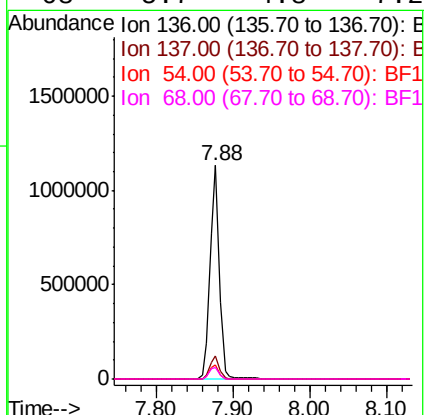
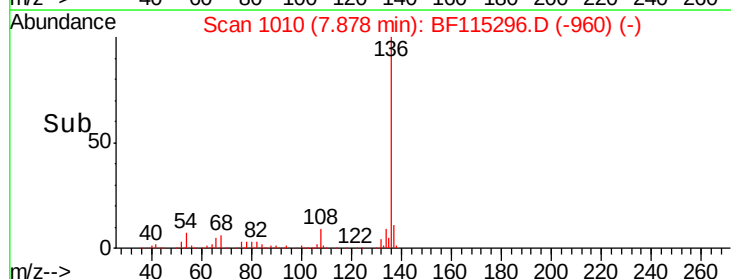
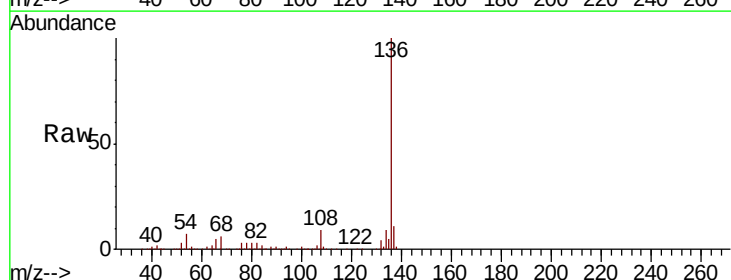
Ion Ratio Lower Upper

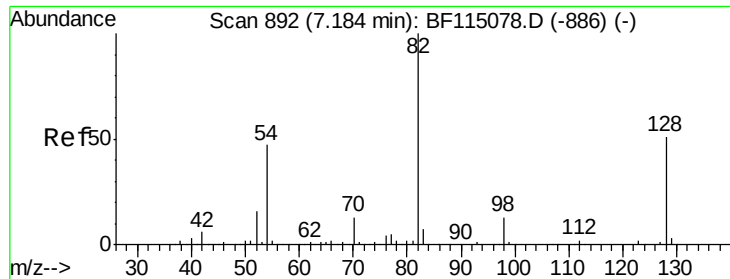
136 100

137 11.0 8.9 13.3

54 6.7 5.6 8.4

68 5.7 4.8 7.2





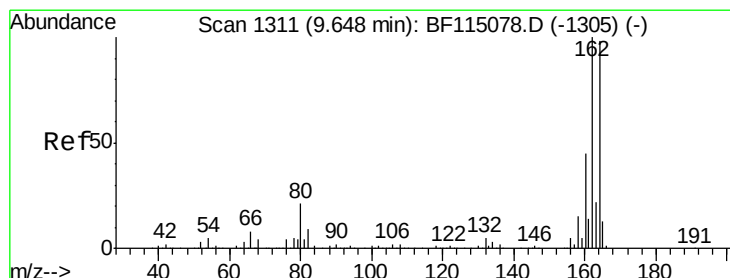
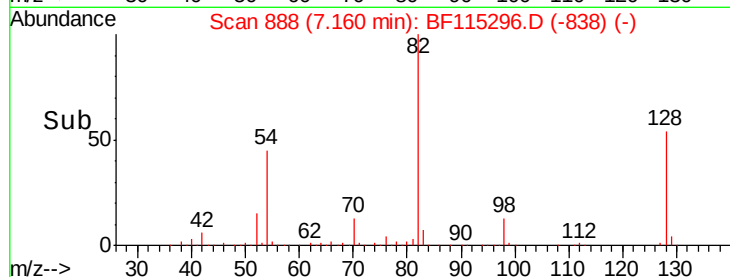
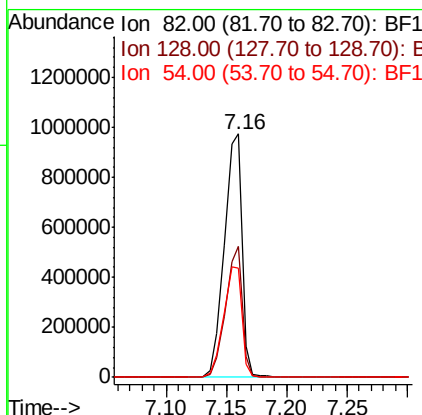
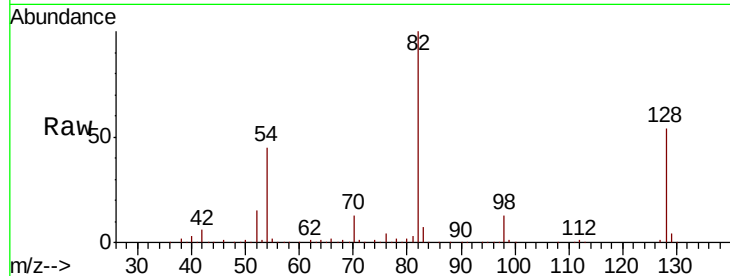
#23
 Nitrobenzene-d5
 Concen: 65.683 ng
 RT: 7.16 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF115296.D
 Acq: 28 Jun 2019 21:56

Instrument :
 BNA_F
 ClientSampled :
 CP-S3-SOIL

Tot Ion	82	Resp	991909
Ion Ratio	100	Lower	Upper
128	53.9	40.4	60.6
54	44.8	37.5	56.3

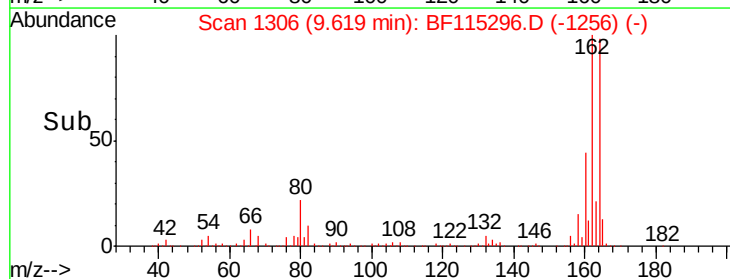
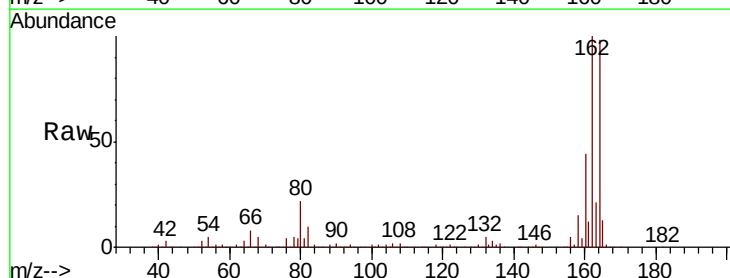
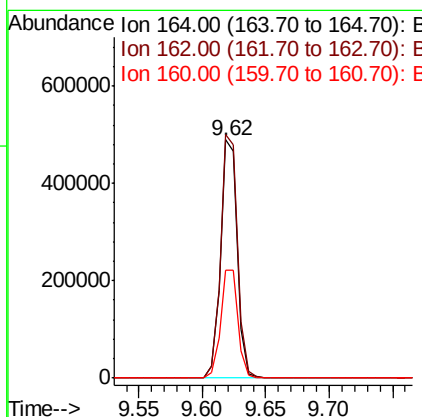
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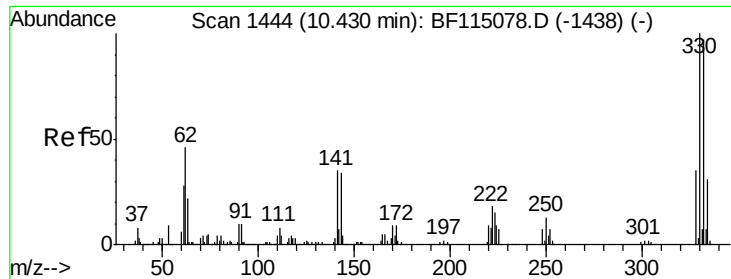
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.62 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: BF115296.D
 Acq: 28 Jun 2019 21:56

Tgt Ion	164	Resp	452646
Ion Ratio	100	Lower	Upper
162	102.3	81.7	122.5
160	45.4	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 102.030 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

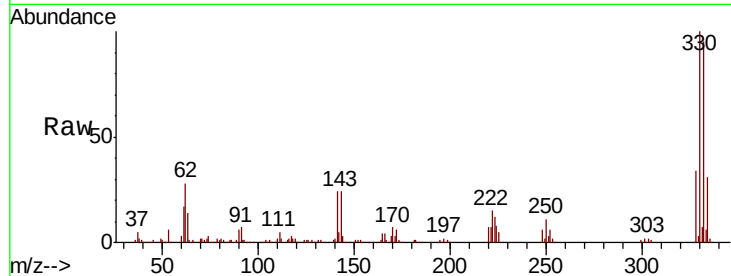
ClientSampleId :

CP-S3-SOIL

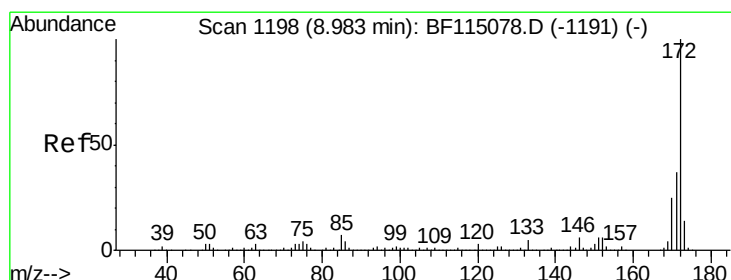
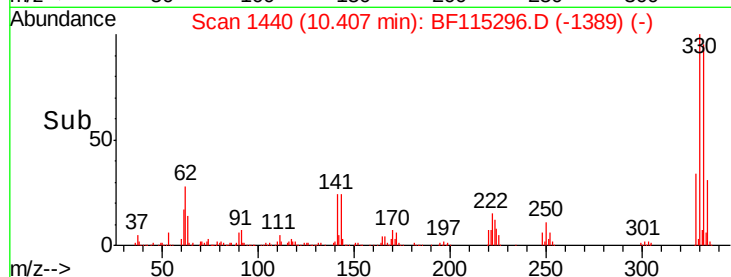
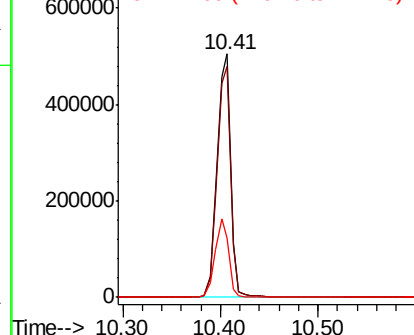
Tot Ion:	330	Resp:	487021
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.3	115.9
141	32.4	28.2	42.2

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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: 68.971 ng

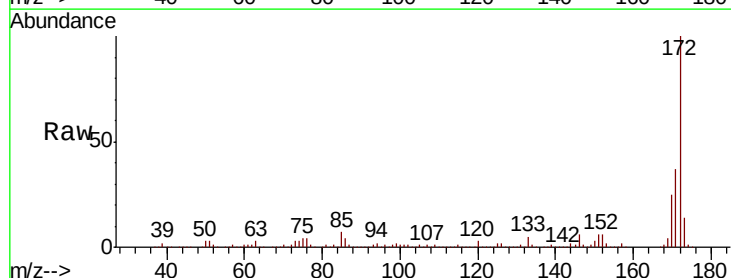
RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

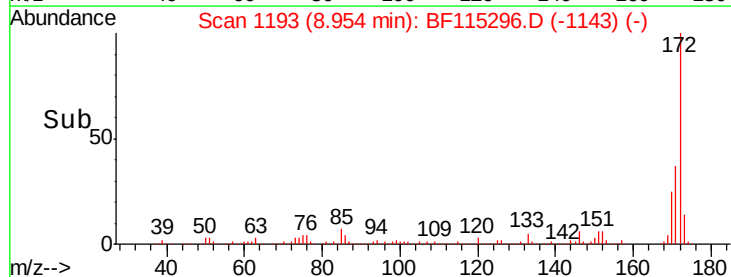
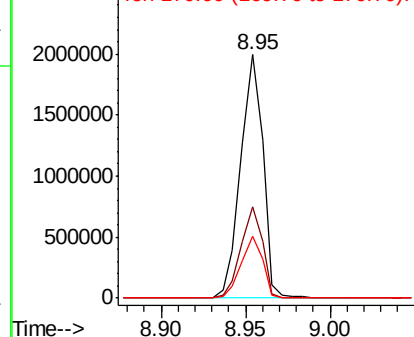
Lab File: BF115296.D

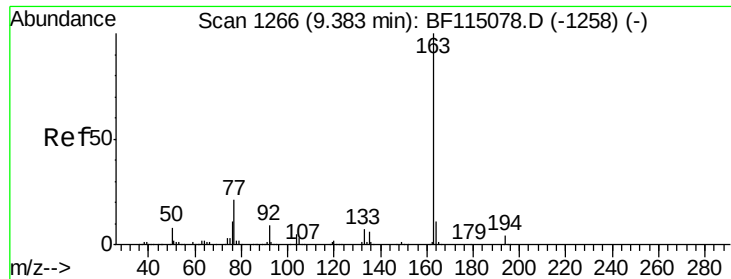
Acq: 28 Jun 2019 21:56

Tgt Ion:	172	Resp:	1837927
Ion Ratio	Lower	Upper	
172	100		
171	37.3	29.8	44.6
170	25.3	20.3	30.5



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





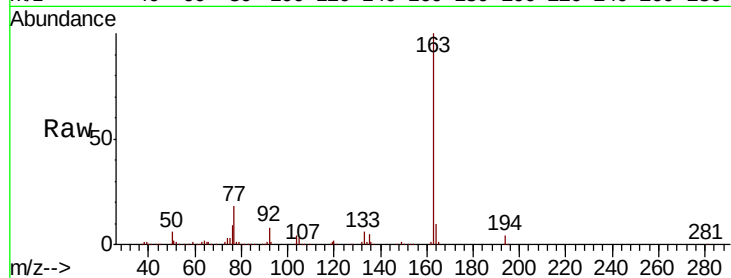
#50
Dimethylphthalate
Concen: 9.824 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	327164		
194	3.8		3.2	4.8
164	10.3		8.6	13.0

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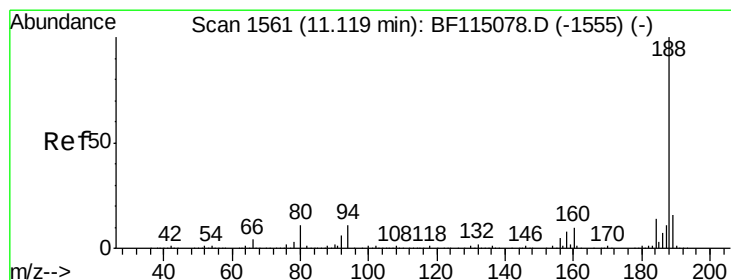
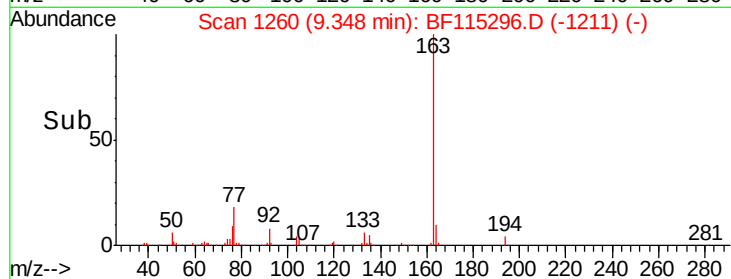
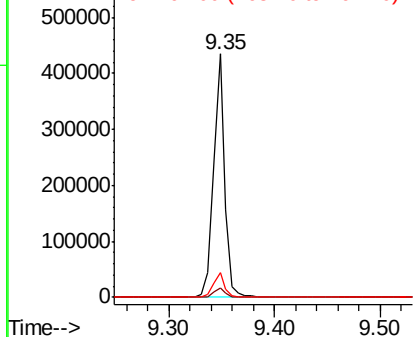


Abundance

Ion 163.00 (162.70 to 163.70): E

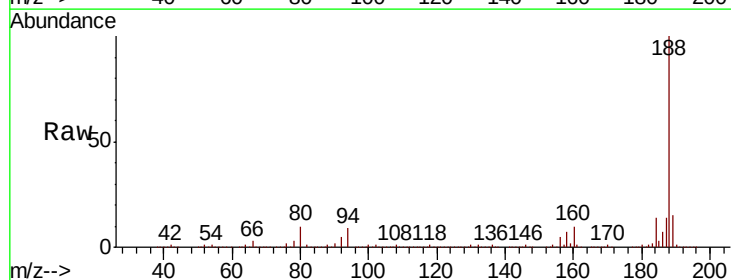
Ion 194.00 (193.70 to 194.70): E

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: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	907909		
94	9.1		8.6	12.8
80	9.6		8.8	13.2

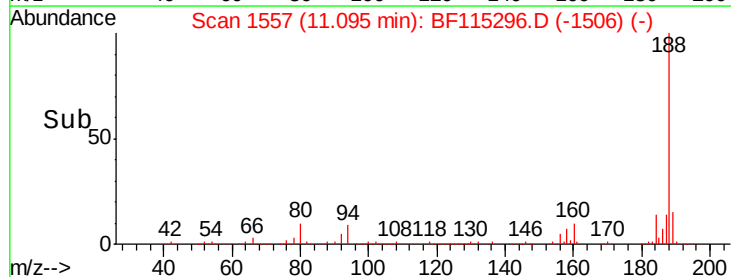
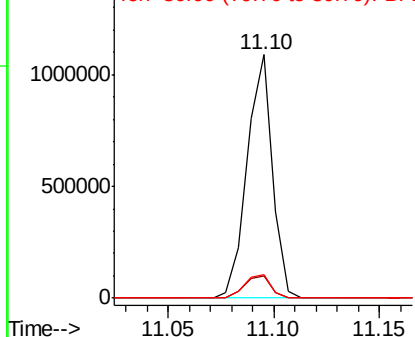


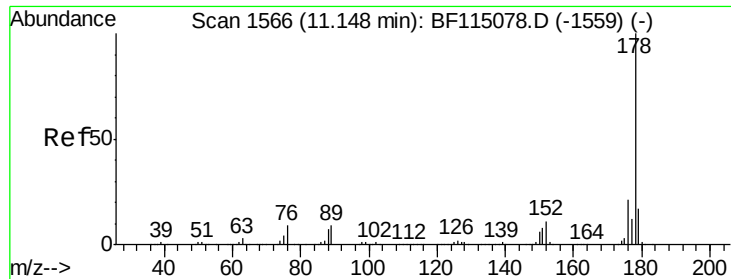
Abundance

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: 11.871 ng

RT: 11.12 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

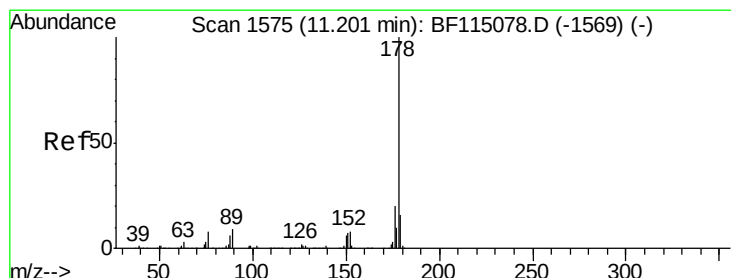
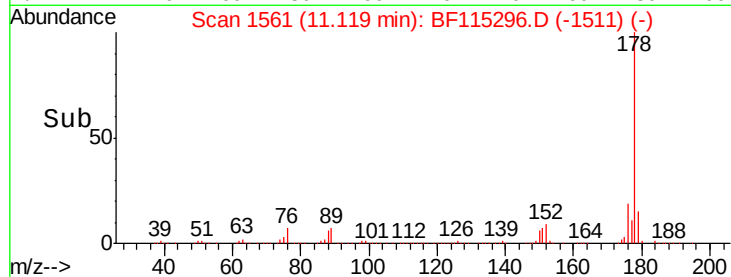
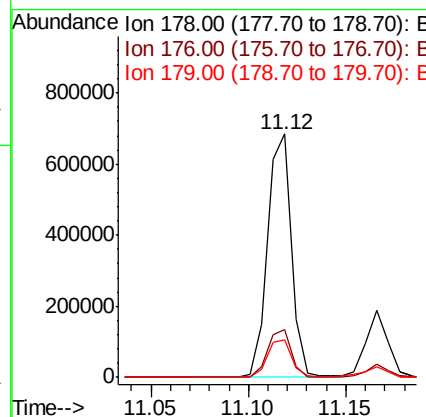
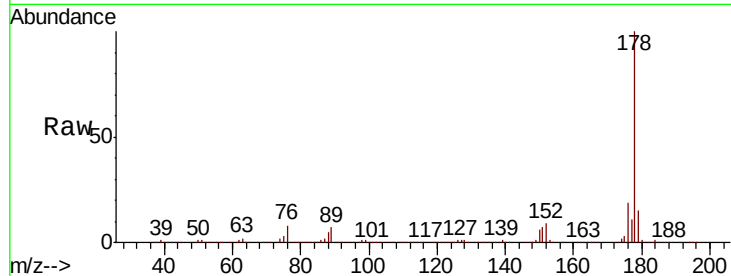
ClientSampleId :

CP-S3-SOIL

Tot Ion:	178	Resp:	580283
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.9	25.3
179	15.2	13.2	19.8

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#72

Anthracene

Concen: 2.895 ng

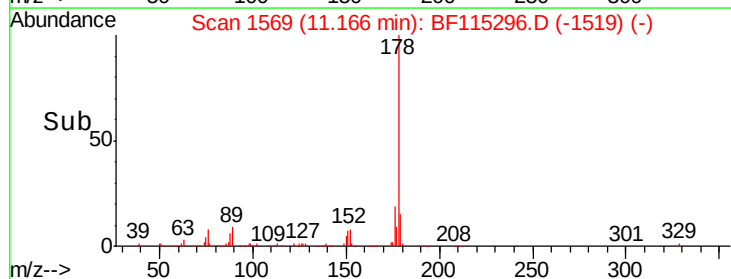
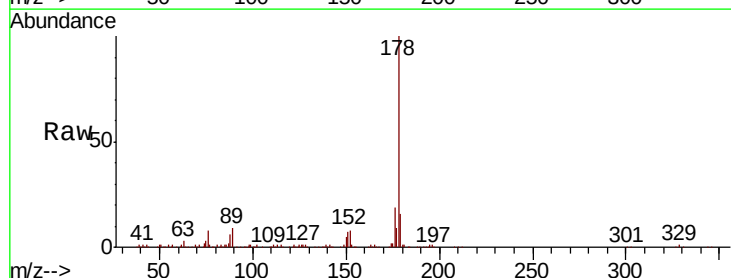
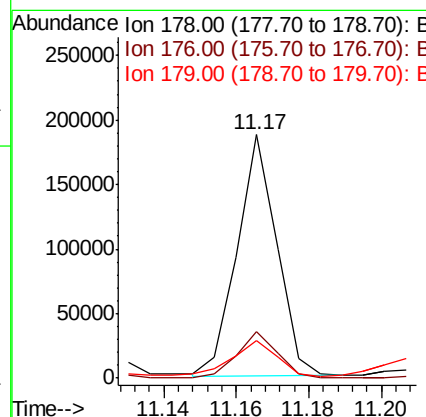
RT: 11.17 min Scan# 1569

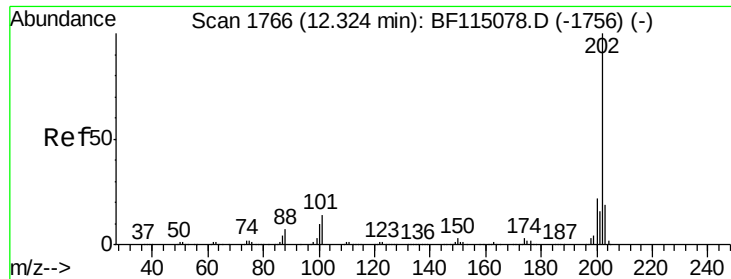
Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Tgt Ion:	178	Resp:	142872
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.1	24.1
179	15.6	12.9	19.3





#75

Fluoranthene

Concen: 20.549 ng

RT: 12.29 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

Instrument :

BNA_F

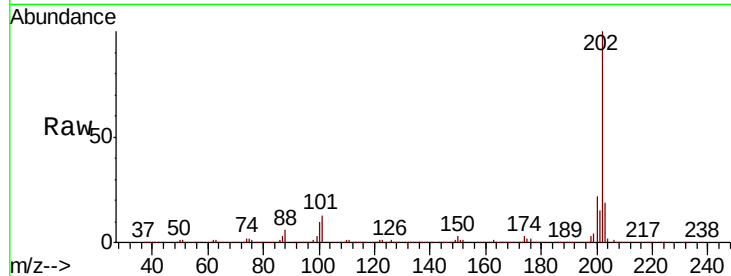
ClientSampleId :

CP-S3-SOIL

Tot Ion:	202	Resp:	1002255
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.0
203	18.7	0.0	38.8

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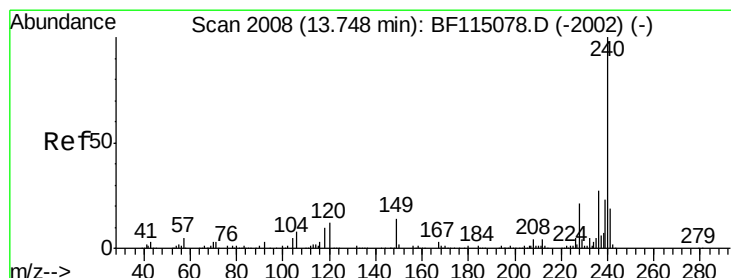
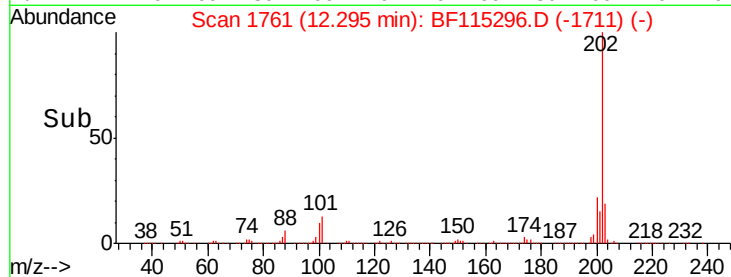
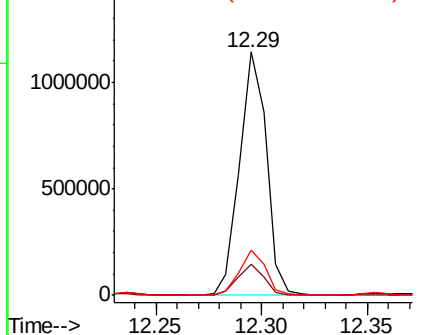


Abundance

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: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115296.D

Acq: 28 Jun 2019 21:56

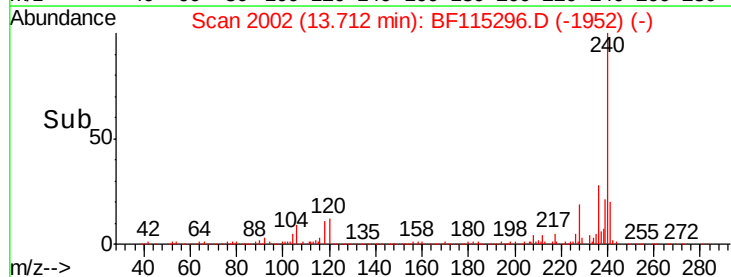
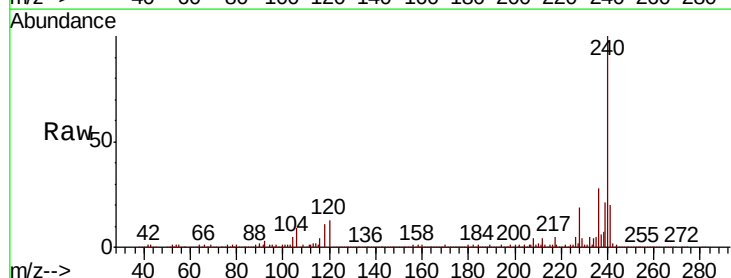
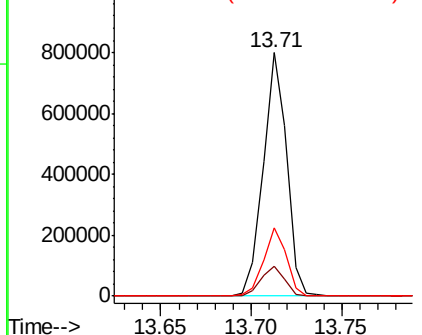
Tgt Ion:	240	Resp:	717224
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.4	14.2
236	27.9	21.7	32.5

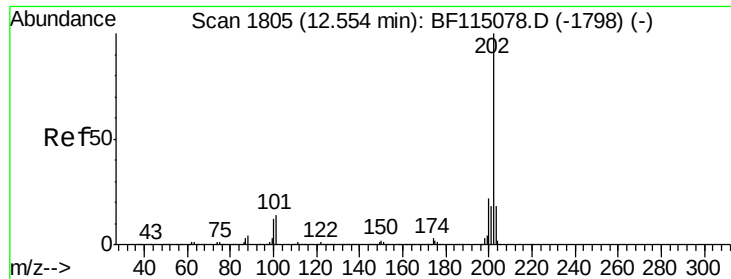
Abundance

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





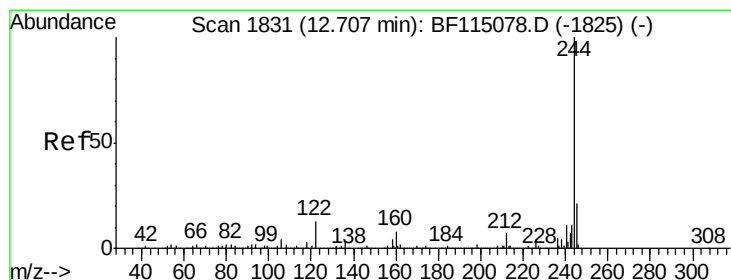
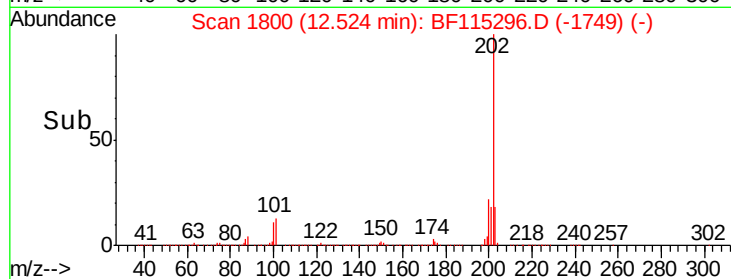
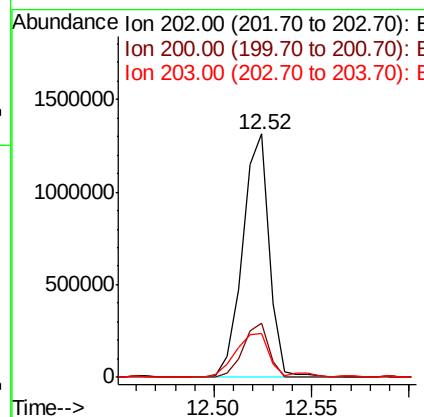
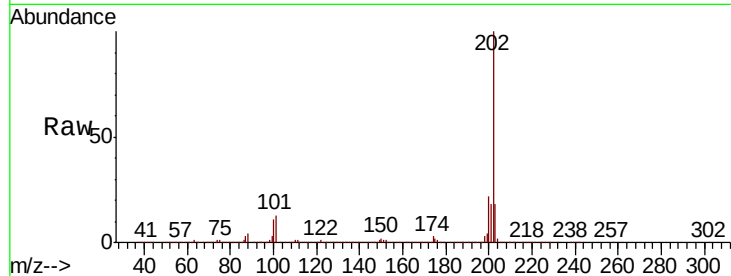
#78
Pvrene
Concen: 22.390 ng
RT: 12.52 min Scan# 1800
Delta R.T. 0.00 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.9	26.9
203	18.3	14.6	21.8

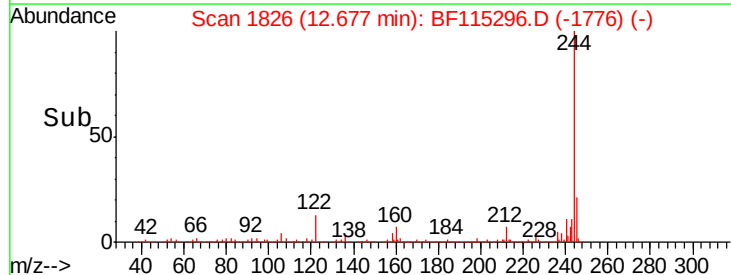
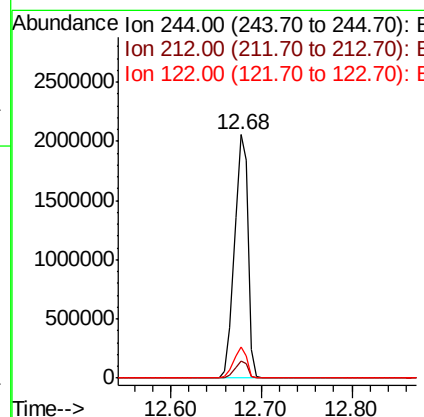
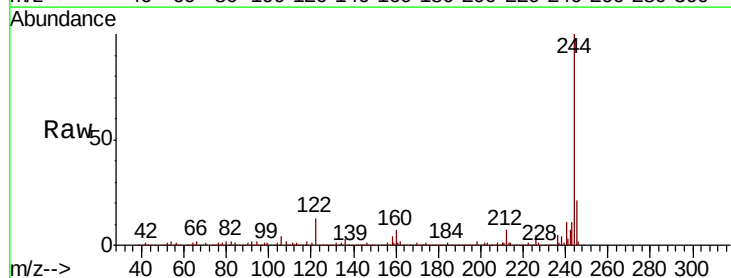
Manual Integrations
APPROVED

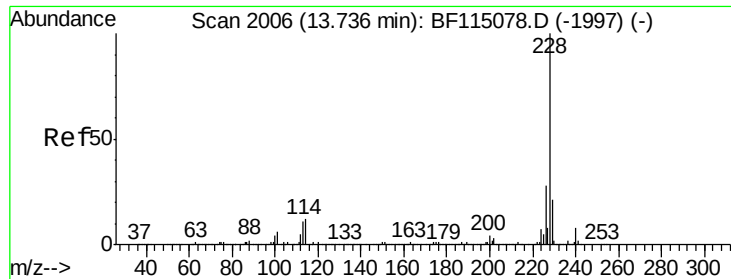
mohammad
7/1/2019 3:05:59 PM



#79
Terphenyl-d14
Concen: 62.934 ng
RT: 12.68 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

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





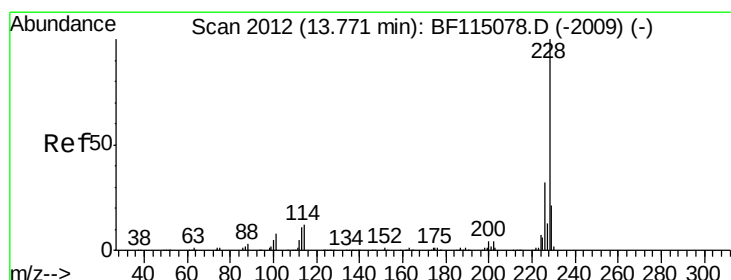
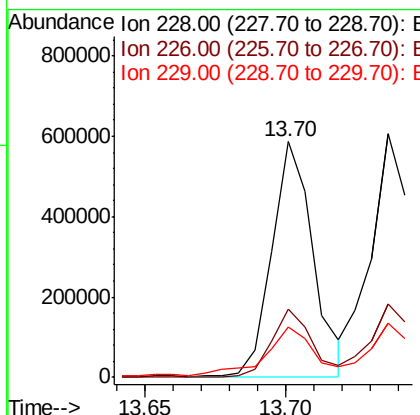
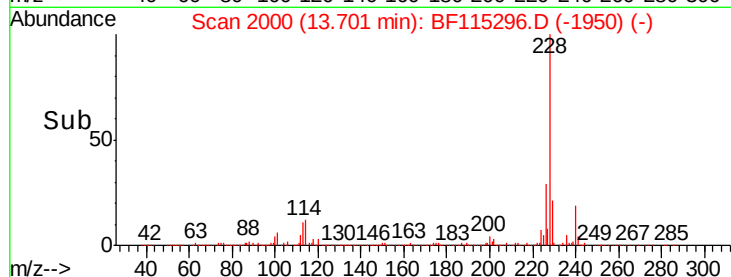
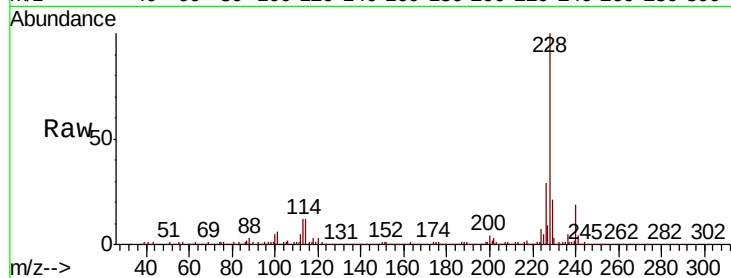
#81
Benzo(a)anthracene
Concen: 11.477 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.5	33.7
229	21.2	16.6	24.8

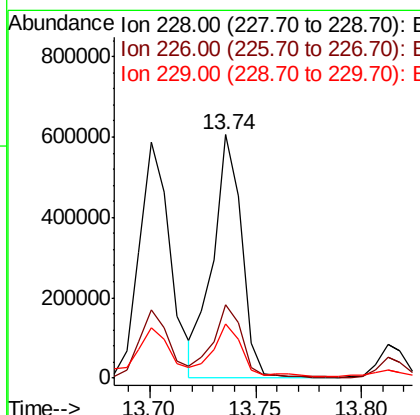
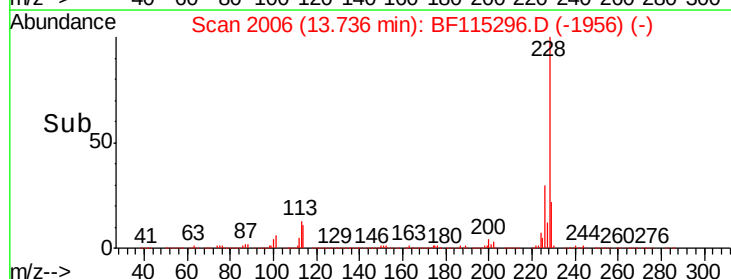
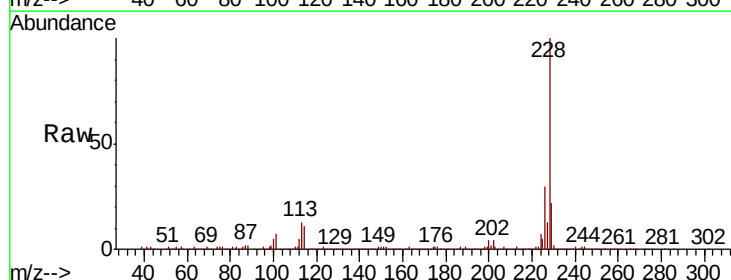
Manual Integrations
APPROVED

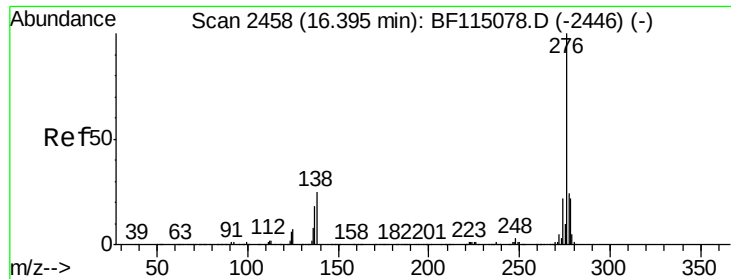
mohammad
7/1/2019 3:05:59 PM



#83
Chrysene
Concen: 12.091 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	22.4	16.5	24.7





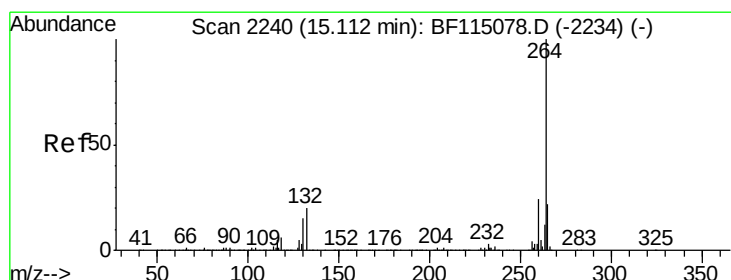
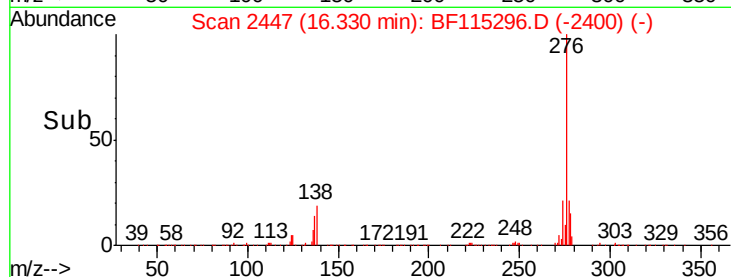
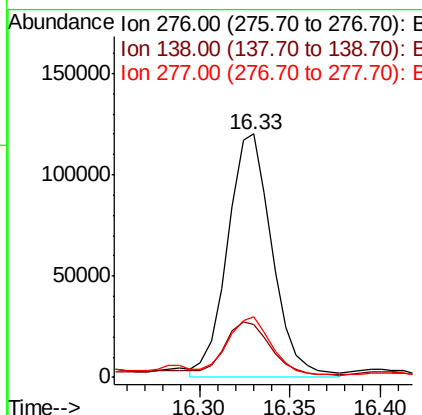
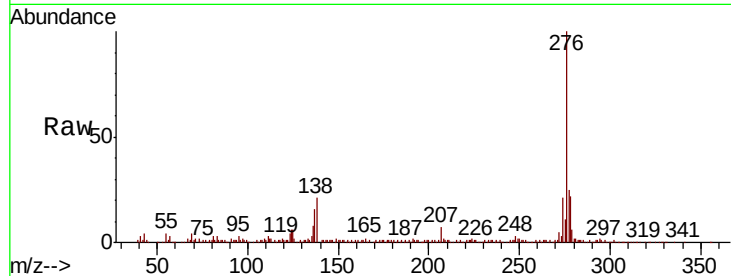
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.672 ng
RT: 16.33 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.7	23.2	34.8#
277	5.5	20.1	30.1#

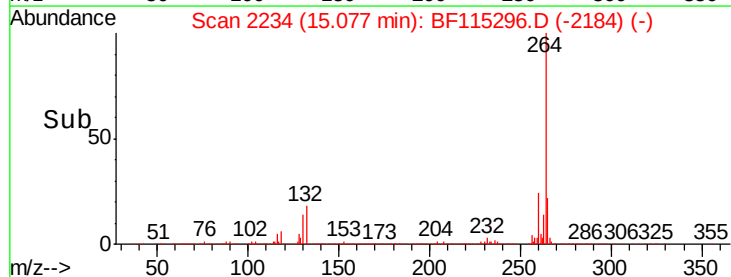
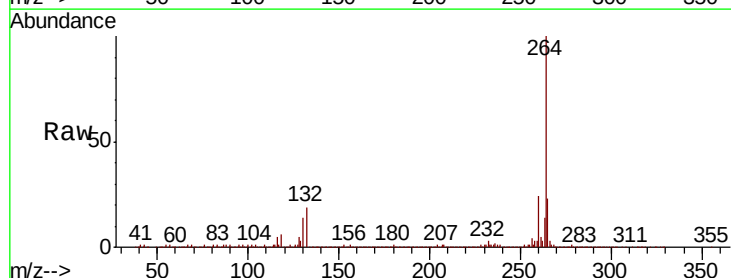
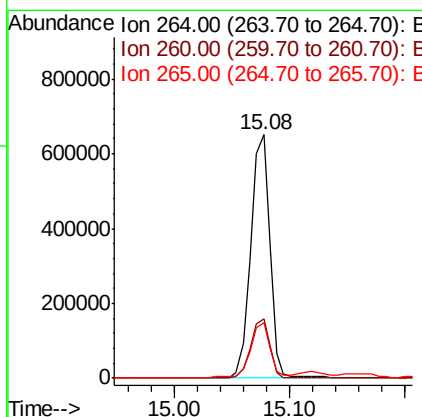
Manual Integrations
APPROVED

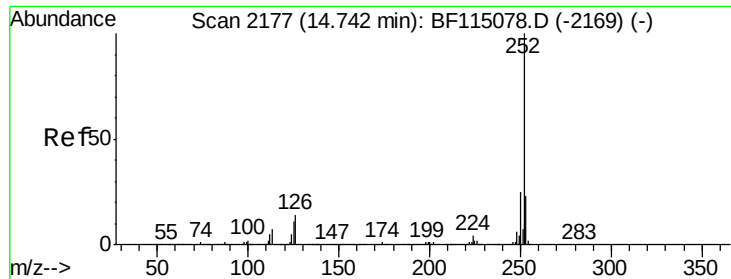
mohammad
7/1/2019 3:05:59 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.6	17.3	25.9





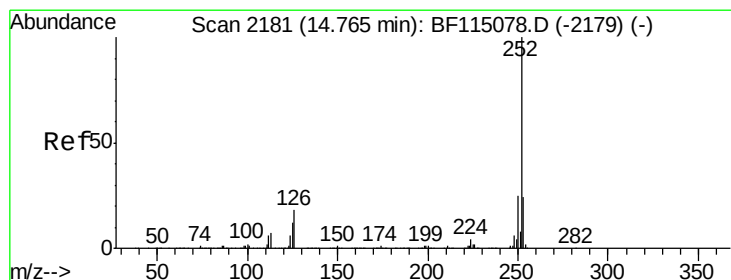
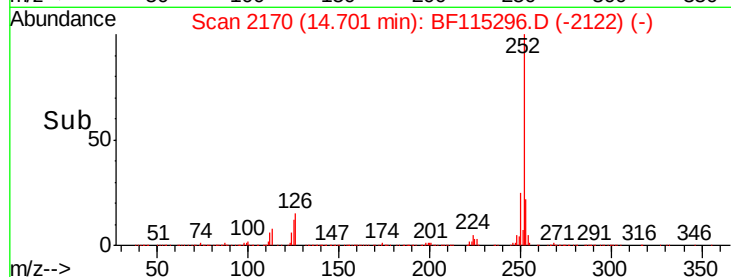
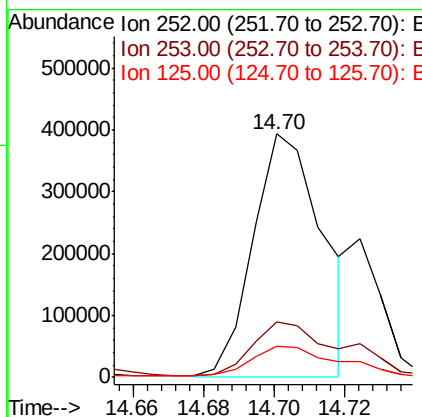
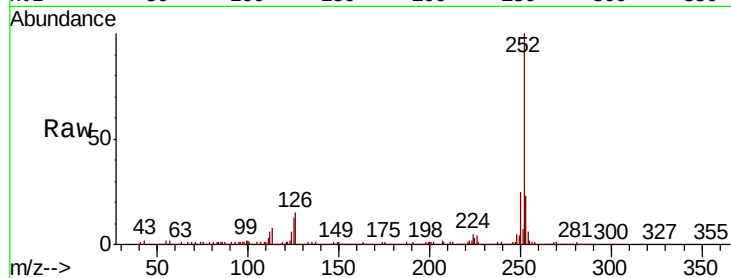
#88
Benzo(b)fluoranthene
Concen: 11.613 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampled :
CP-S3-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	13.0	8.7	13.1

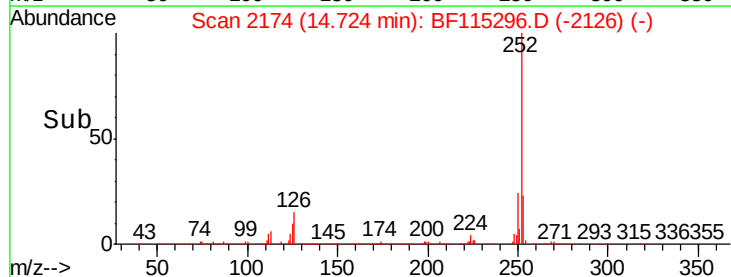
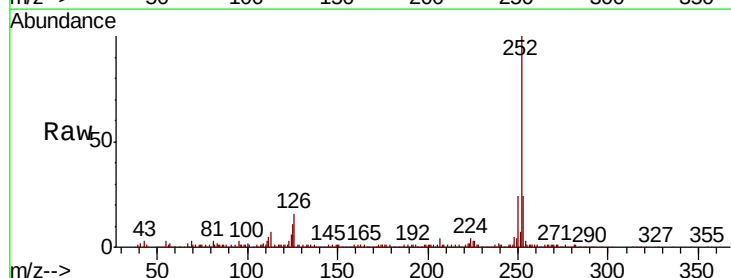
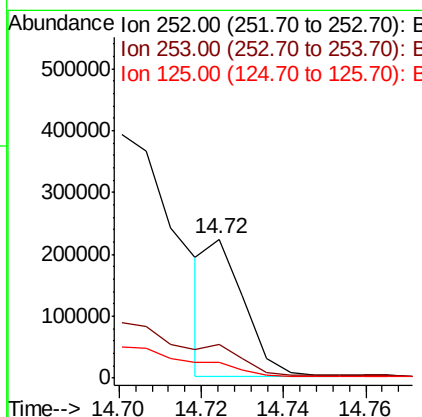
Manual Integrations
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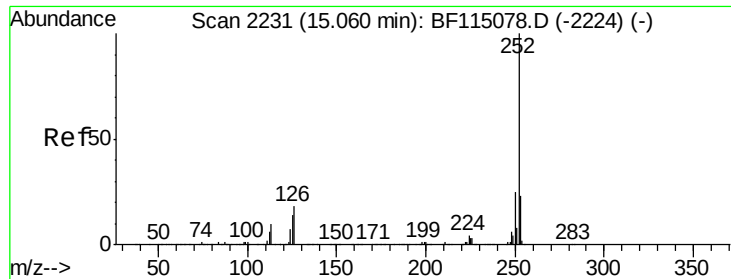
mohammad
7/1/2019 3:05:59 PM



#89
Benzo(k)fluoranthene
Concen: 3.314 ng m
RT: 14.72 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.9	28.3
125	11.2	10.2	15.2





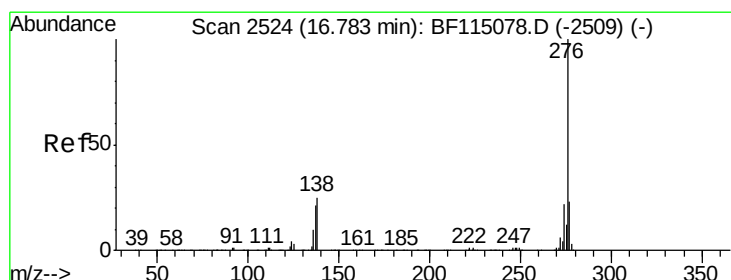
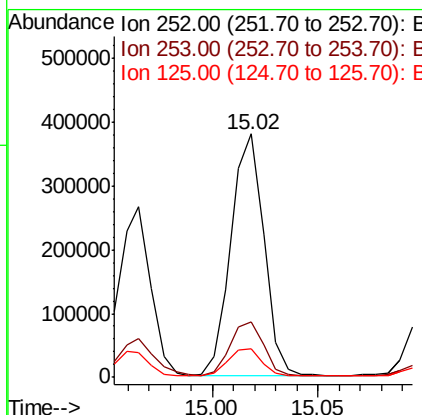
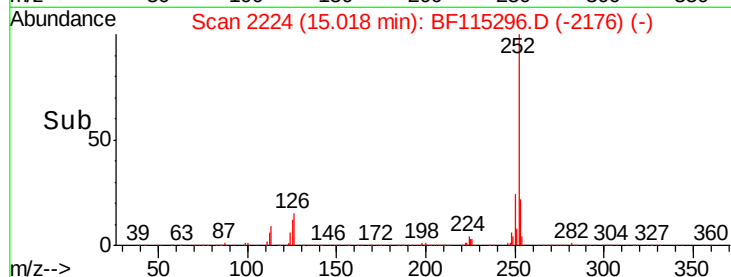
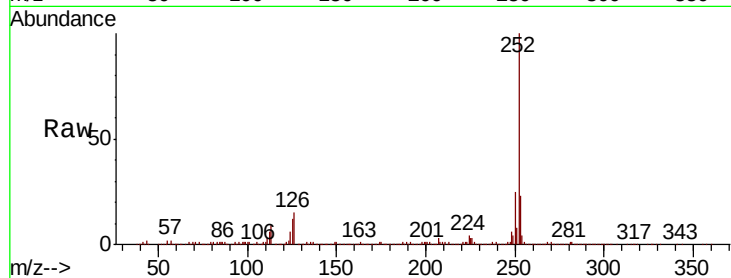
#90
Benzo(a)pyrene
Concen: 9.774 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Instrument :
BNA_F
ClientSampleId :
CP-S3-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	11.9	10.9	16.3

Manual Integrations
APPROVED

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7/1/2019 3:05:59 PM



#92
Benzo(g,h,i)perylene
Concen: 5.087 ng
RT: 16.70 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF115296.D
Acq: 28 Jun 2019 21:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	24.7	19.8	29.6

