

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
 Data File : BF115297.D
 Acq On : 28 Jun 2019 22:22
 Operator : HP/JU
 Sample : K3518-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S2-SOIL

Manual Integrations
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Quant Time: Jun 29 06:40:28 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	265677	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1001764	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	505479	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	985712	20.00	ng	0.00
76) Chrysene-d12	13.71	240	764323	20.00	ng	0.00
87) Perylene-d12	15.08	264	775076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1589829	92.34	ng	0.00
7) Phenol-d6	6.24	99	1977767	94.65	ng	0.00
23) Nitrobenzene-d5	7.16	82	1201158	73.76	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	573184	107.53	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	2156356	72.46	ng	0.00
79) Terphenyl-d14	12.68	244	2404843	66.90	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	406413	10.928	ng	99
71) Phenanthrene	11.11	178	147863	2.786	ng	97
75) Fluoranthene	12.29	202	285910	5.399	ng	94
78) Pyrene	12.52	202	336181	5.723	ng	98
81) Benzo(a)anthracene	13.70	228	160091	2.919	ng	98
83) Chrysene	13.74	228	172918	3.442	ng	97
88) Benzo(b)fluoranthene	14.70	252	183617m	3.797	ng	
90) Benzo(a)pyrene	15.01	252	148678	3.411	ng	99

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

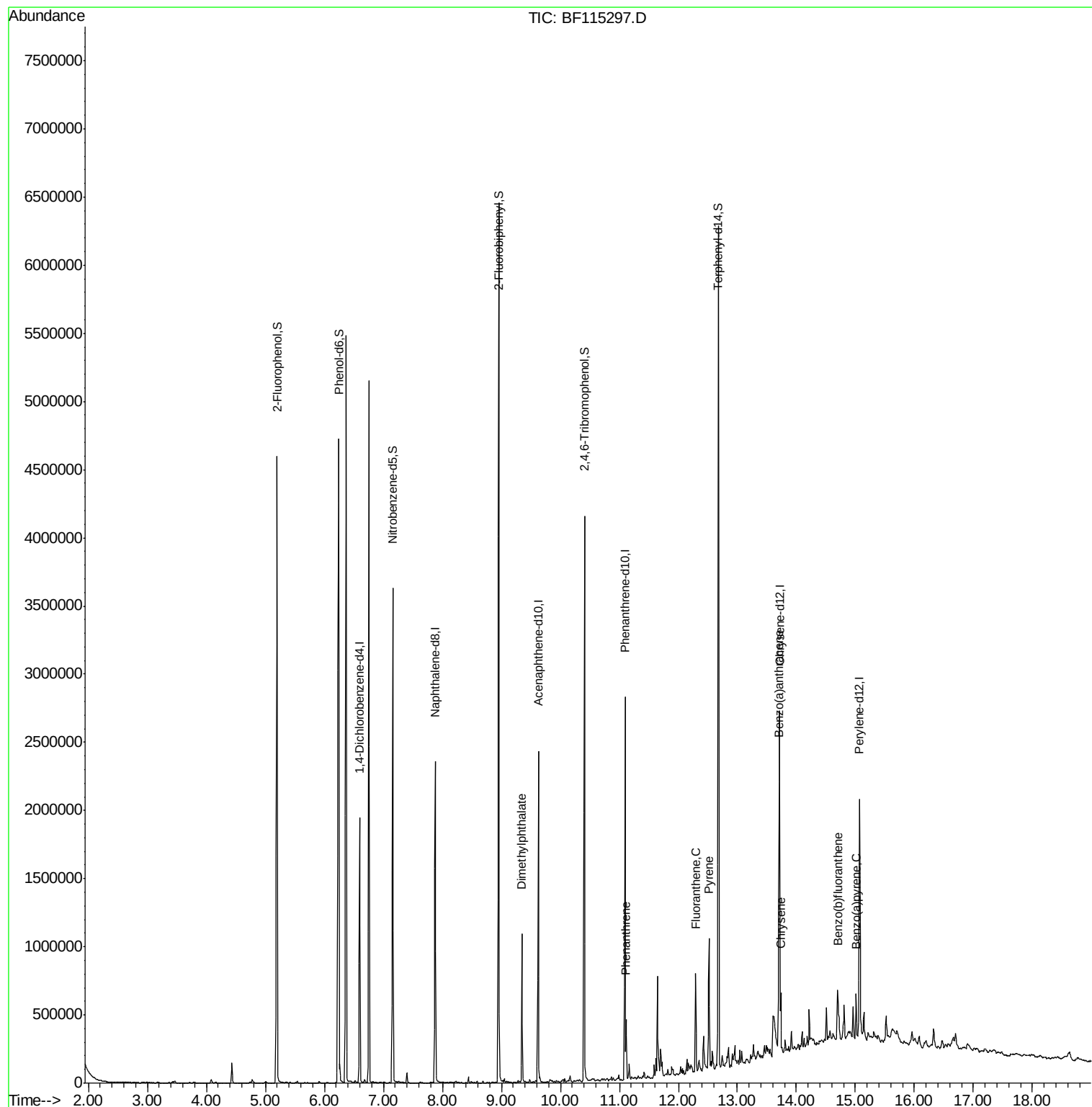
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115297.D
Acq On : 28 Jun 2019 22:22
Operator : HP/JU
Sample : K3518-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

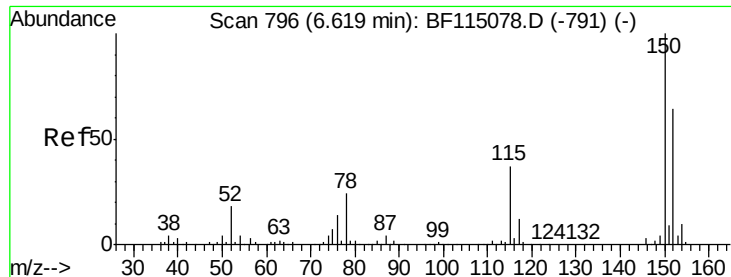
Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

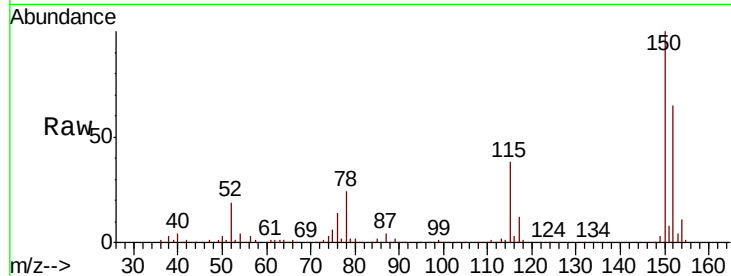
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.2	186.2
115	59.1	46.1	69.1

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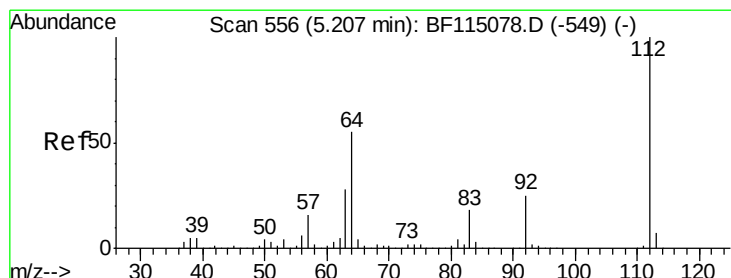
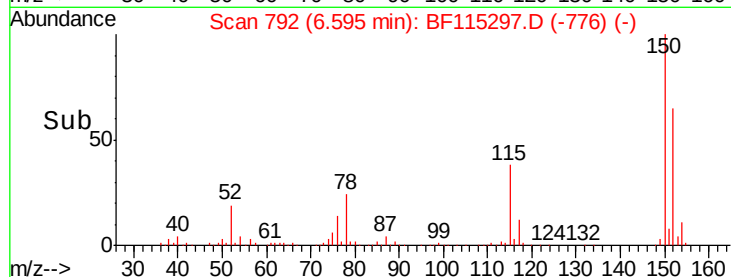
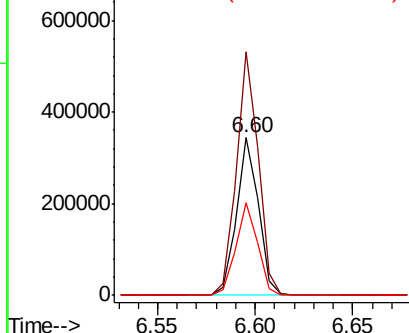


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

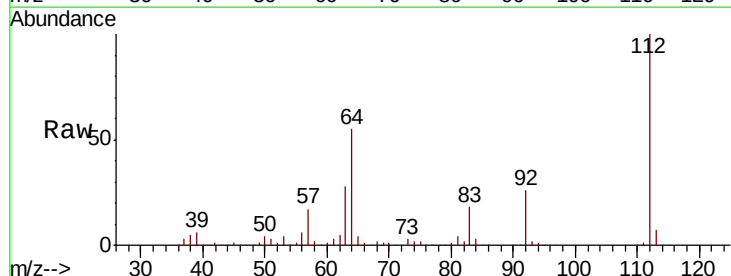
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.344 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.6
63	28.5	22.2	33.4

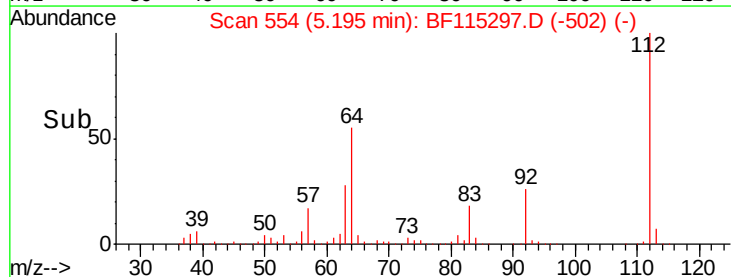
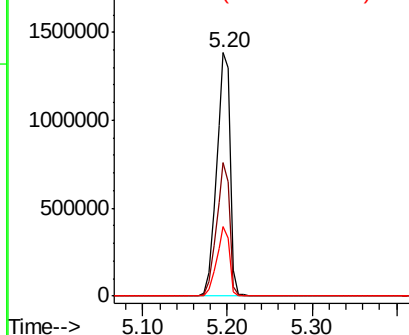


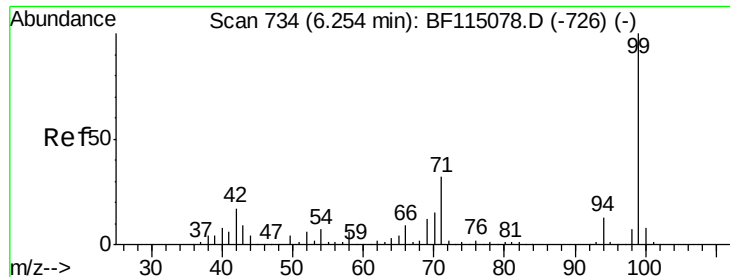
Abundance

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: 94.646 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

ClientSampleId :

CP-S2-SOIL

Tot Ion: 99 Resp: 1977767

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

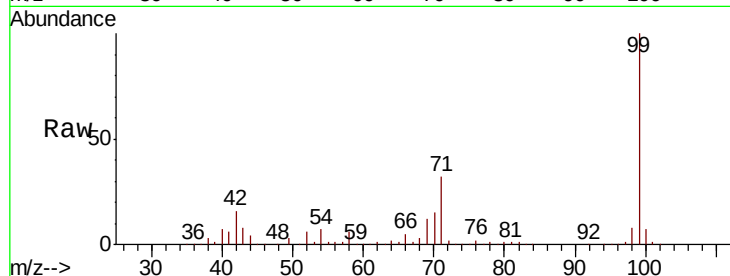
71 32.3 25.5 38.3

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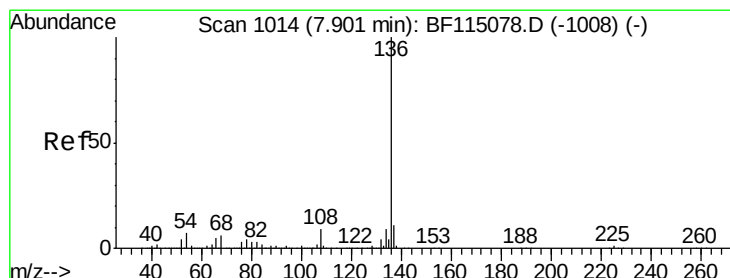
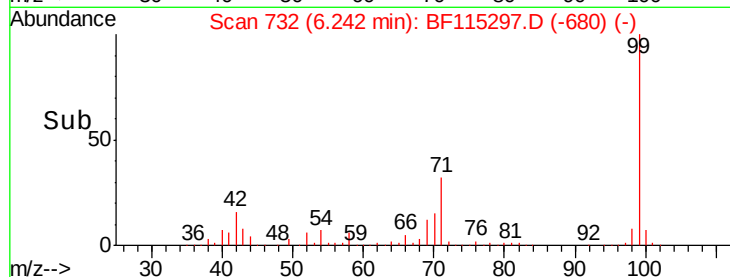
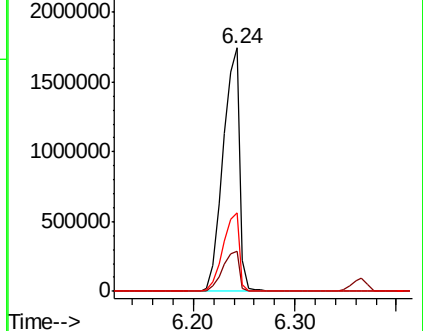
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF115297.D

Acq: 28 Jun 2019 22:22

Tgt Ion:136 Resp: 1001764

Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.9 5.6 8.4

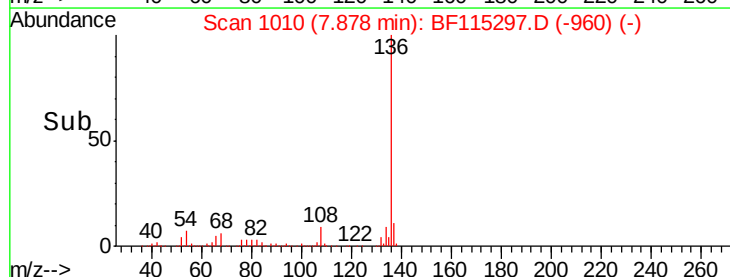
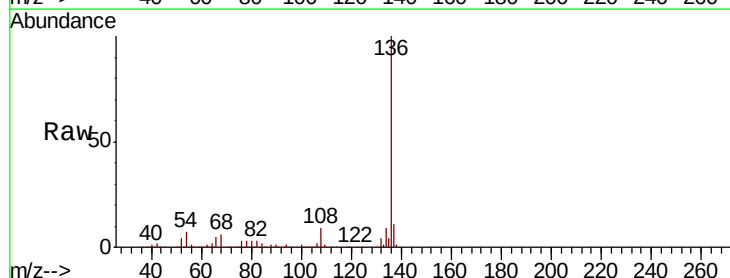
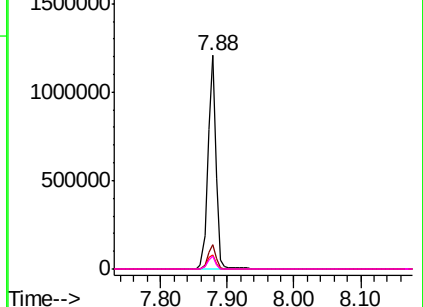
68 6.1 4.8 7.2

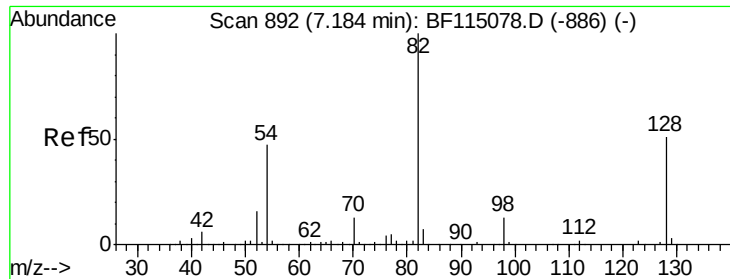
Abundance Ion 136.00 (135.70 to 136.70): E

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





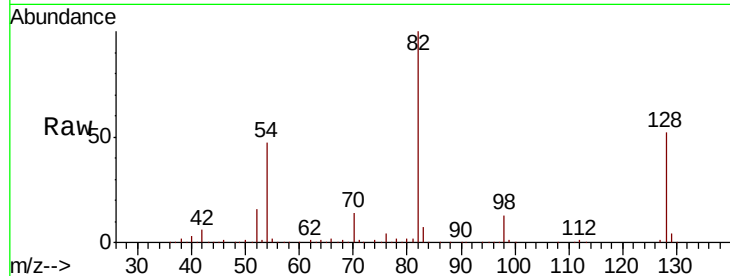
#23
Nitrobenzene-d5
Concen: 73.760 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.5	40.4	60.6
54	47.0	37.5	56.3

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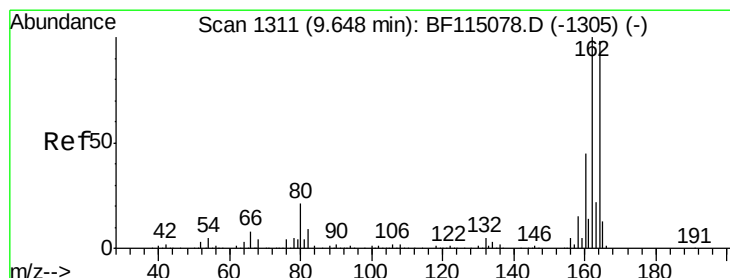
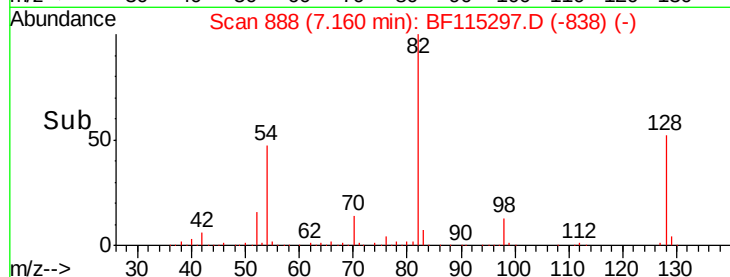
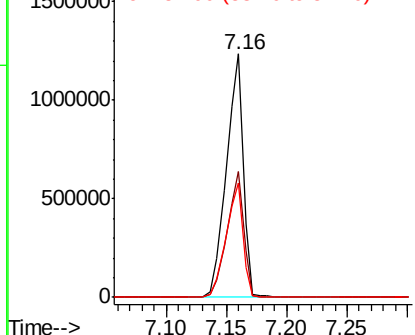


Abundance

Ion 82.00 (81.70 to 82.70): BF1

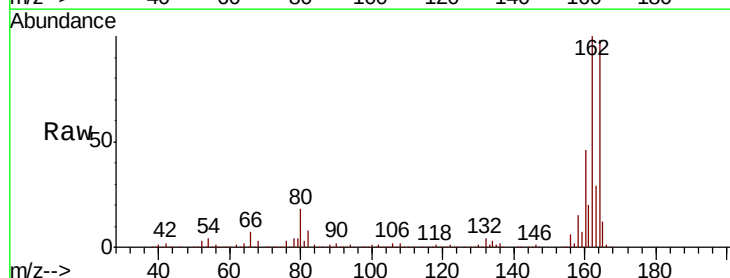
Ion 128.00 (127.70 to 128.70): BF1

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: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.7	122.5
160	46.8	37.0	55.4

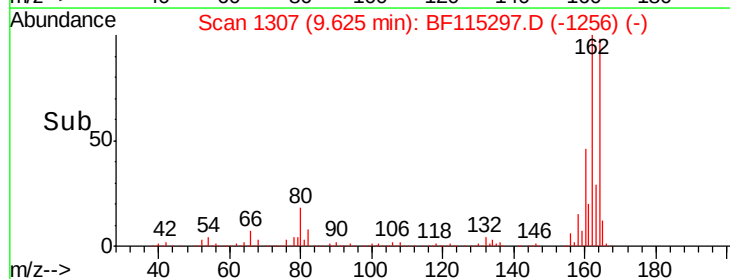
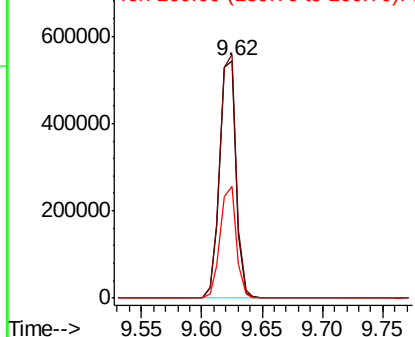


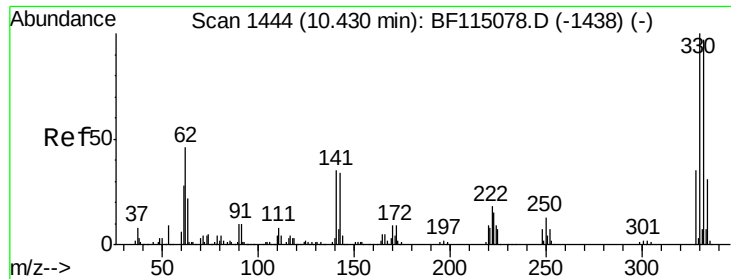
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 107.530 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115297.D

Acq: 28 Jun 2019 22:22

Instrument :

BNA_F

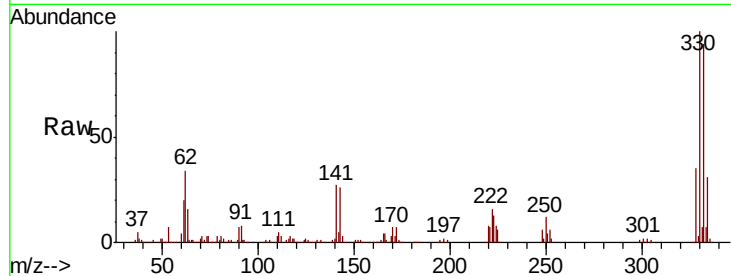
ClientSampleId :

CP-S2-SOIL

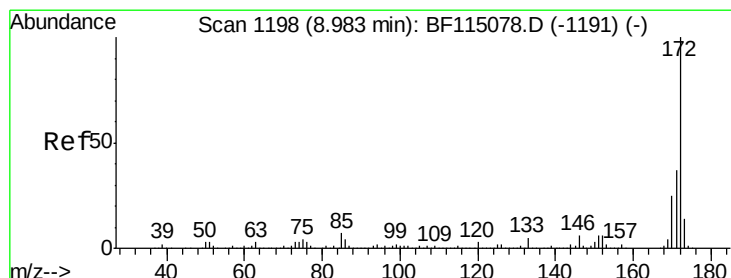
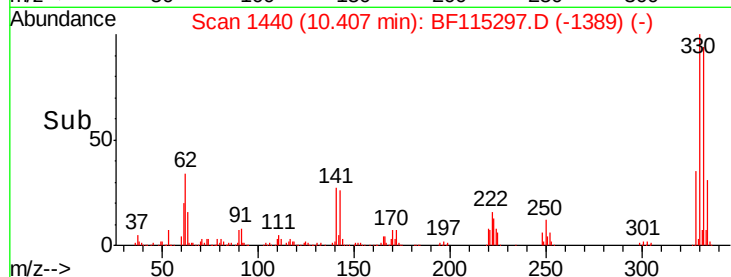
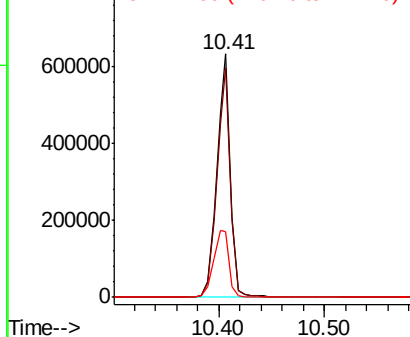
Tot Ion:	330	Resp:	573184
Ion Ratio	Lower	Upper	
330	100		
332	94.5	77.3	115.9
141	31.9	28.2	42.2

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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: 72.463 ng

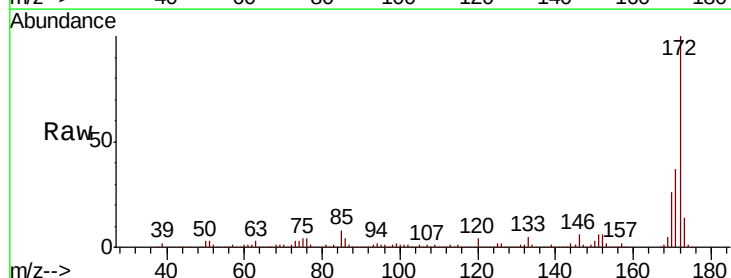
RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

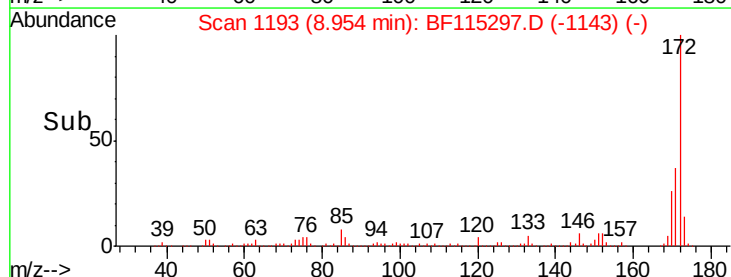
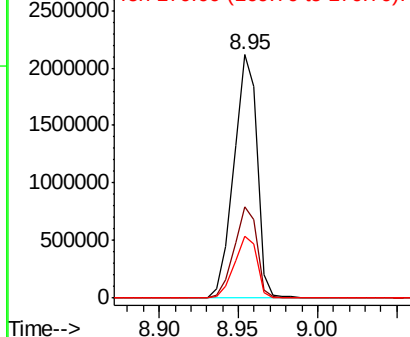
Lab File: BF115297.D

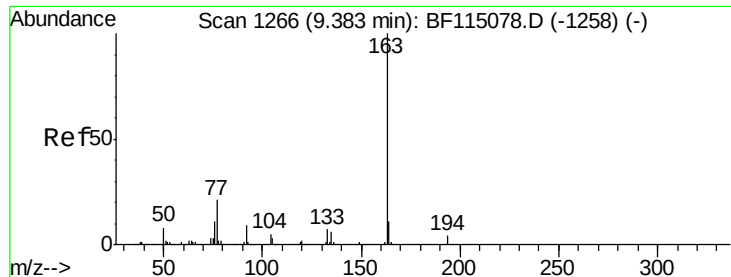
Acq: 28 Jun 2019 22:22

Tgt Ion:	172	Resp:	2156356
Ion Ratio	Lower	Upper	
172	100		
171	37.4	29.8	44.6
170	25.7	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





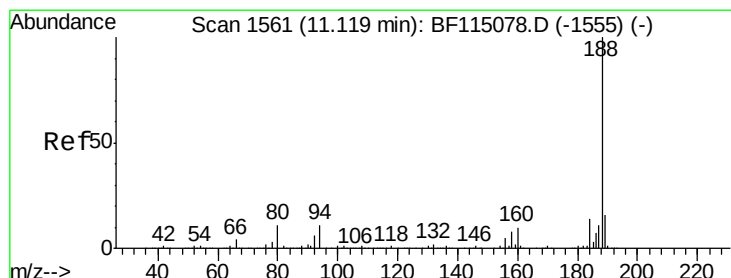
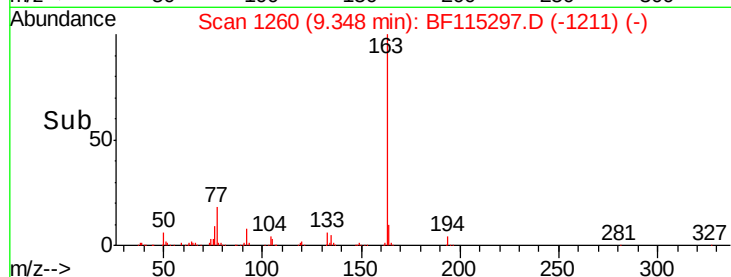
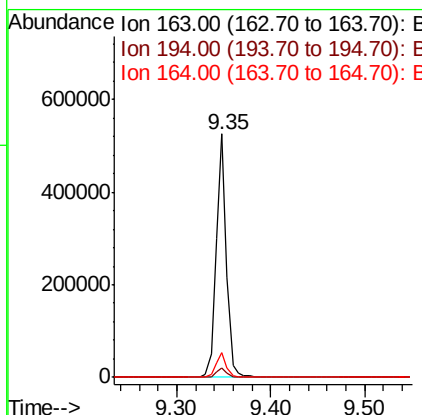
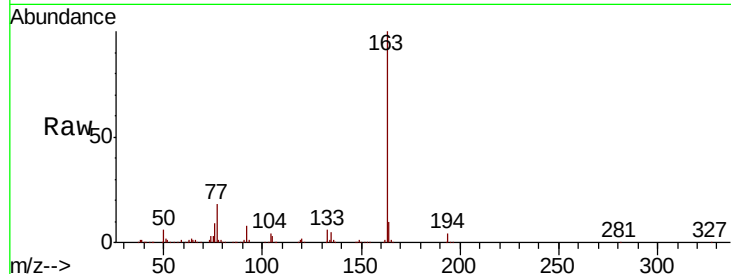
#50
Dimethylphthalate
Concen: 10.928 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	406413		
194	4.0		3.2	4.8
164	10.2		8.6	13.0

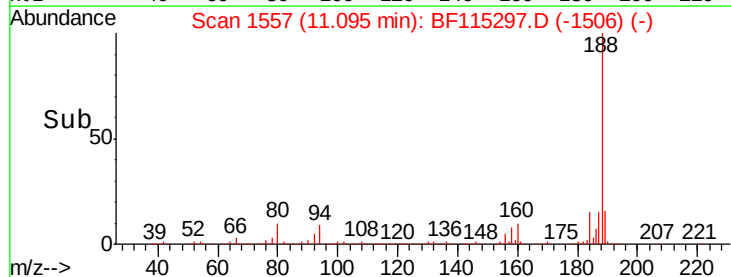
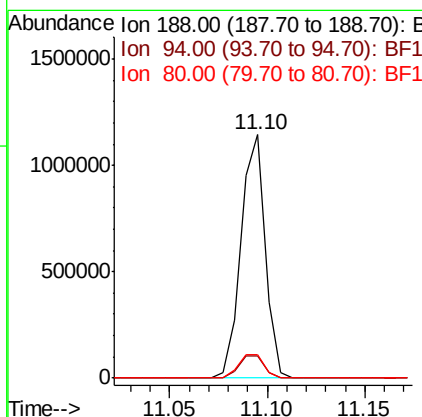
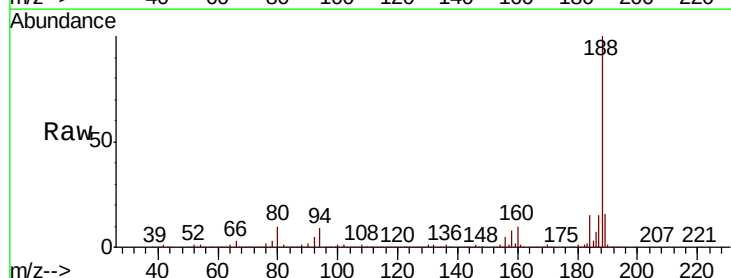
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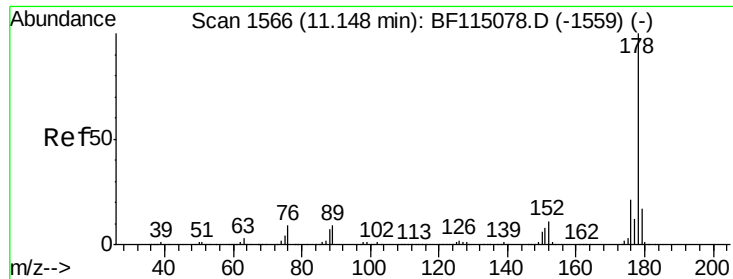
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	985712		
94	9.2		8.6	12.8
80	9.7		8.8	13.2





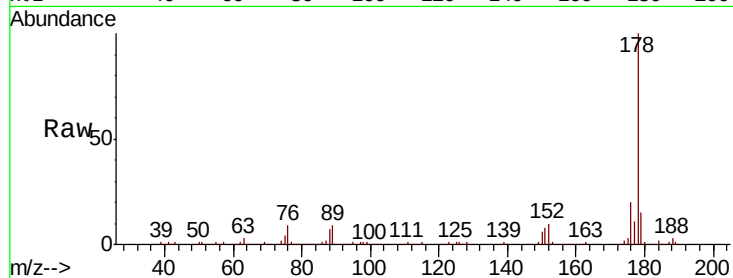
#71
Phenanthrene
Concen: 2.786 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	15.4	13.2	19.8

Manual Integrations
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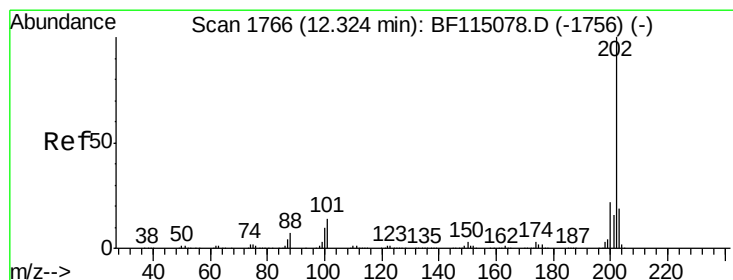
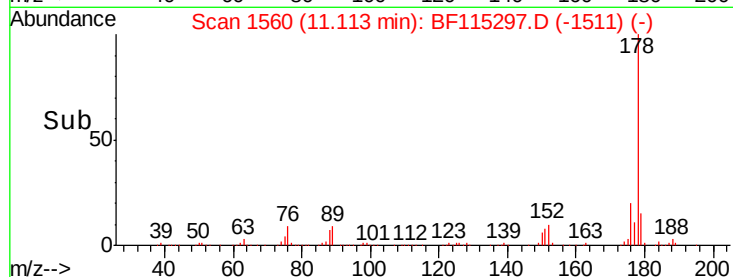
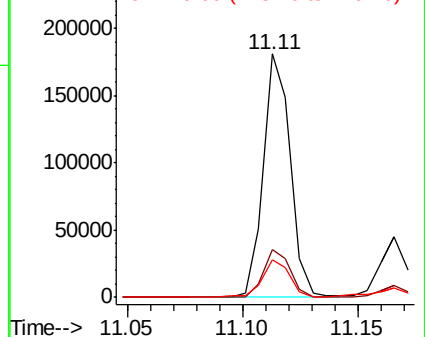


Abundance

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: 5.399 ng
RT: 12.29 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

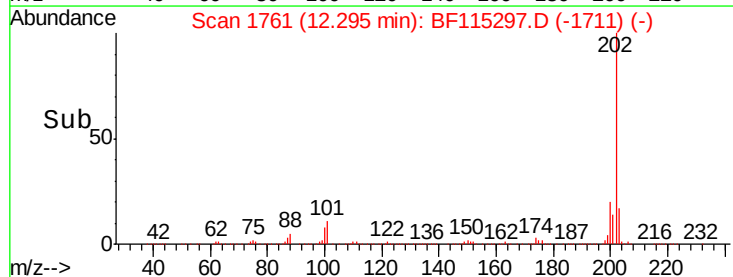
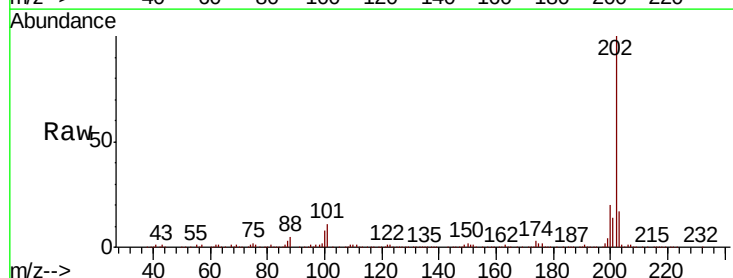
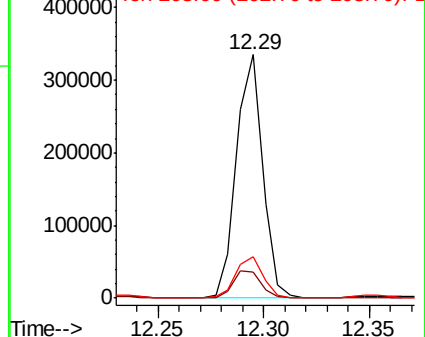
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.0
203	16.8	0.0	38.8

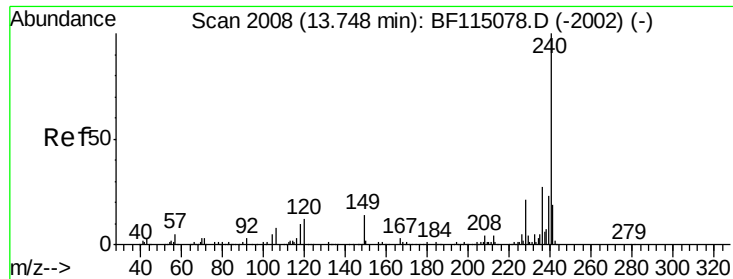
Abundance

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





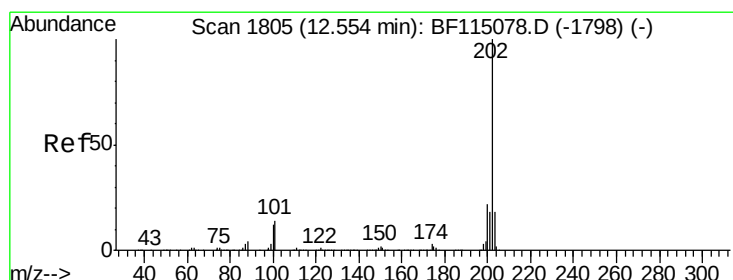
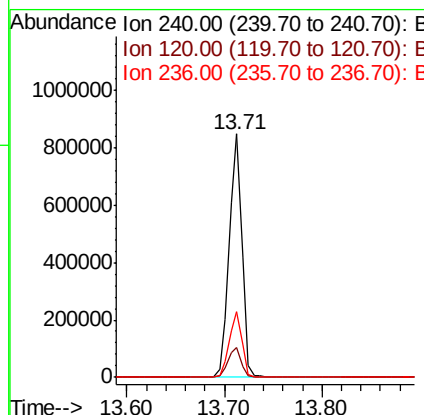
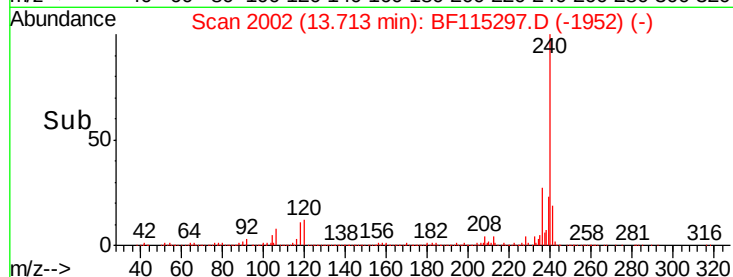
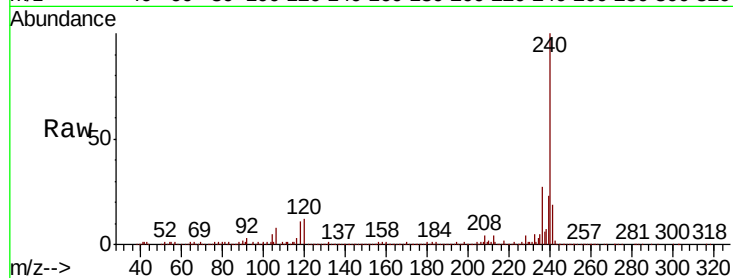
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.4	14.2
236	27.3	21.7	32.5

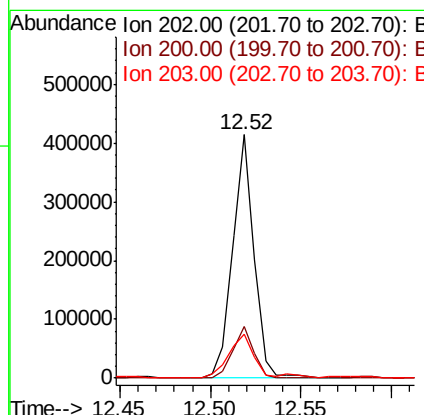
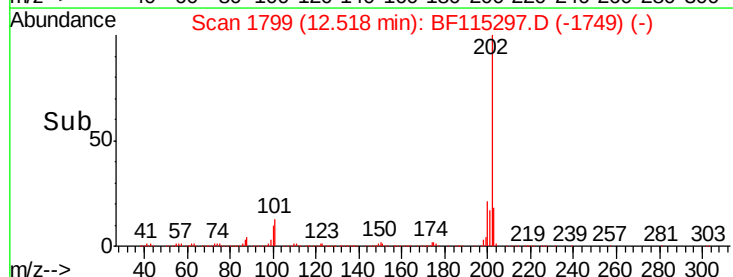
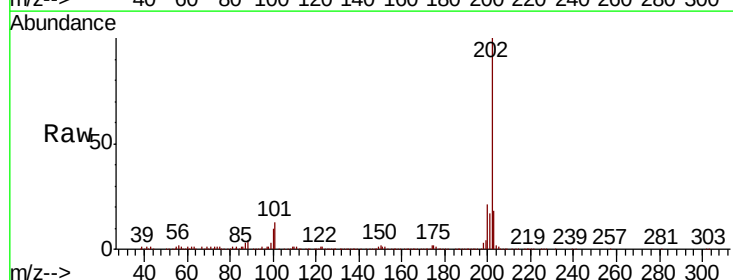
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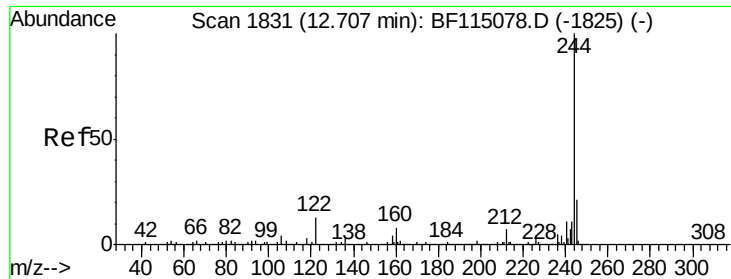
mohammad
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#78
Pyrene
Concen: 5.723 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.9	26.9
203	17.9	14.6	21.8





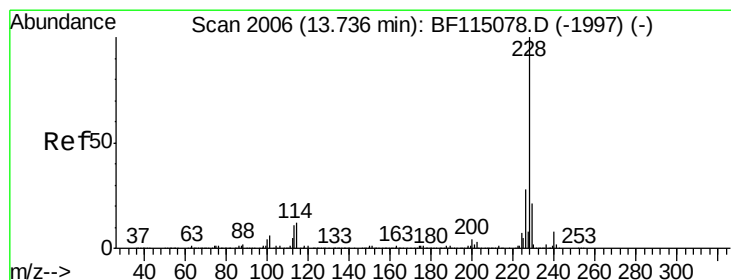
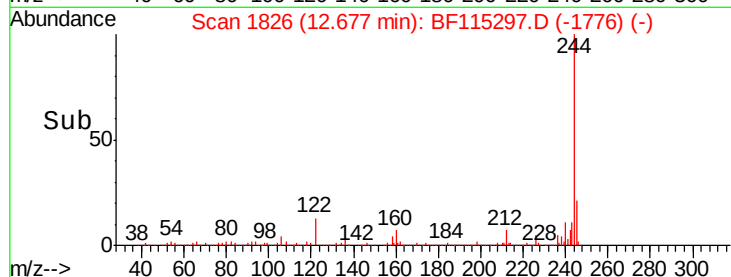
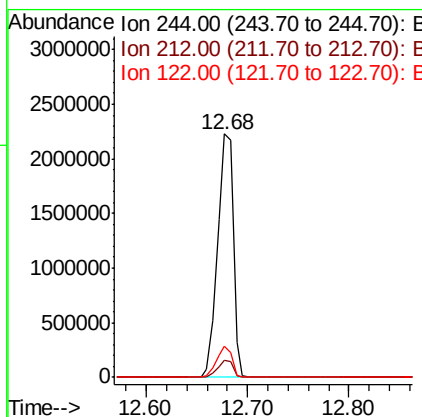
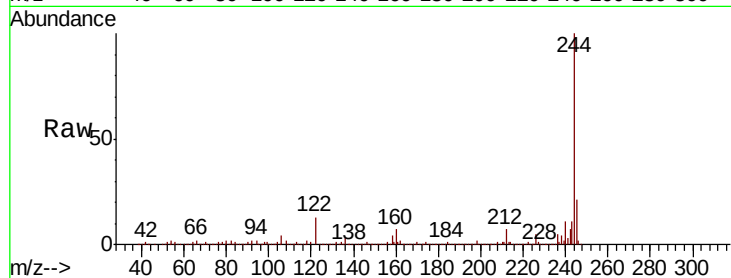
#79
 Terphenyl-d14
 Concen: 66.897 ng
 RT: 12.68 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF115297.D
 Acq: 28 Jun 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 CP-S2-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	12.7	10.4	15.6

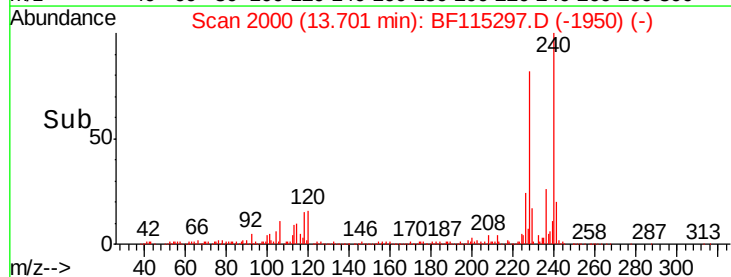
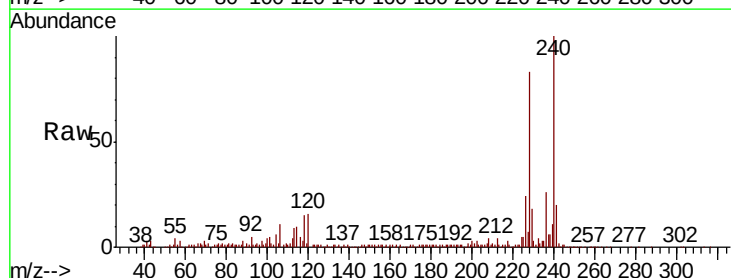
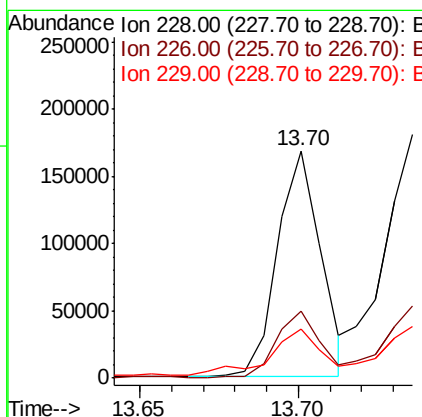
Manual Integrations
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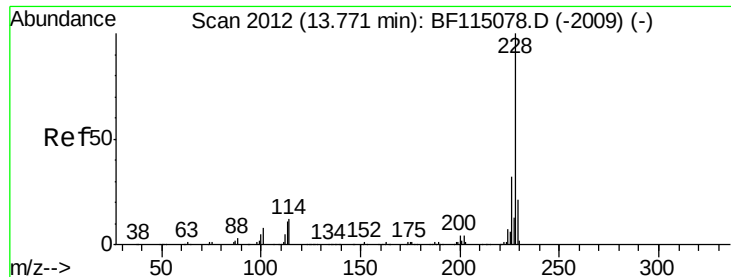
mohammad
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#81
 Benzo(a)anthracene
 Concen: 2.919 ng
 RT: 13.70 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF115297.D
 Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.5	33.7
229	21.5	16.6	24.8





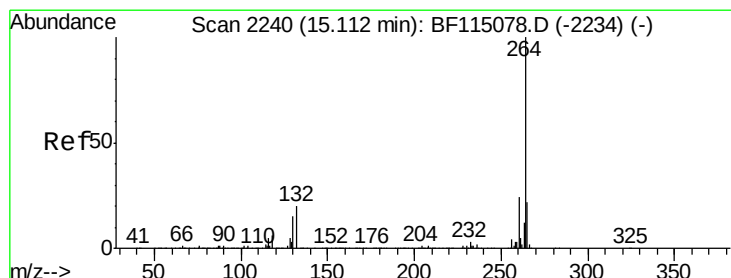
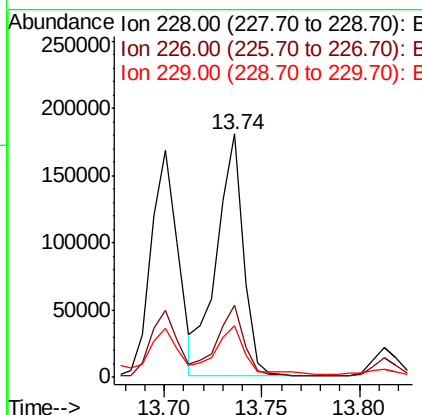
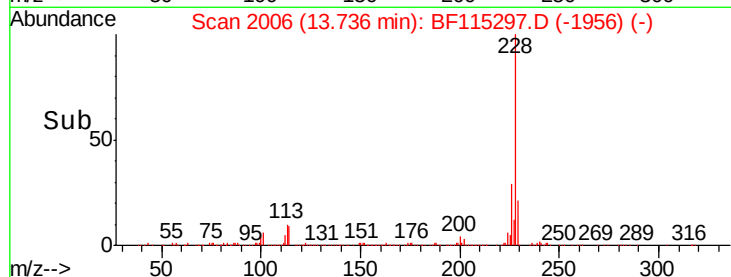
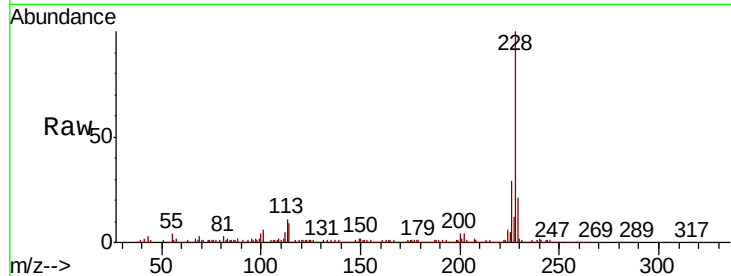
#83
Chrysene
Concen: 3.442 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampled :
CP-S2-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.5	25.4	38.0		
229	21.4	16.5	24.7		

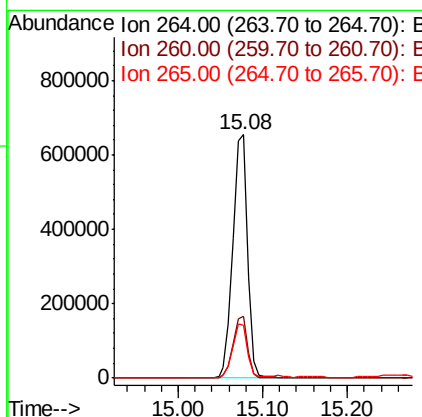
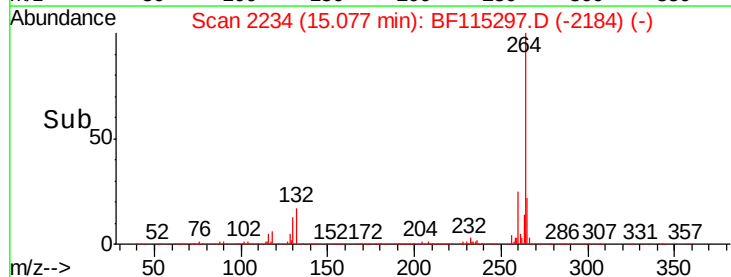
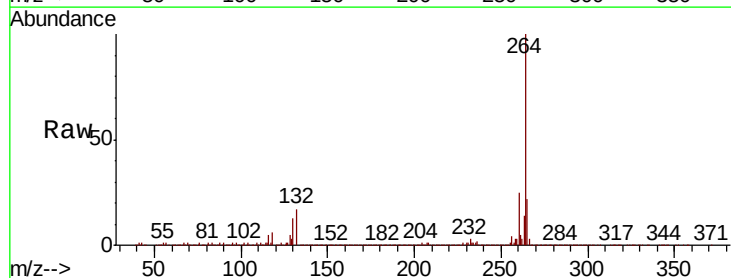
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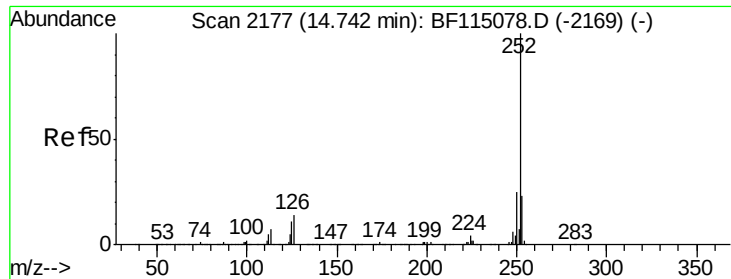
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	25.2	19.6	29.4		
265	21.9	17.3	25.9		





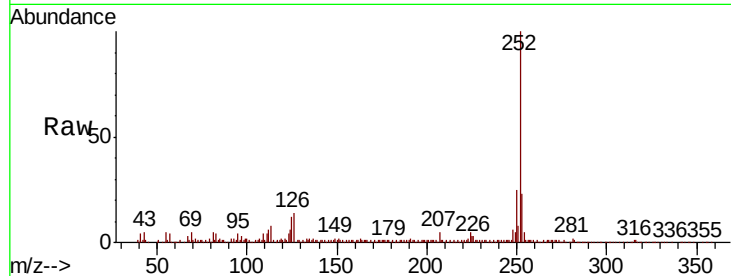
#88
Benzo(b)fluoranthene
Concen: 3.797 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	12.3	8.7	13.1

Manual Integrations
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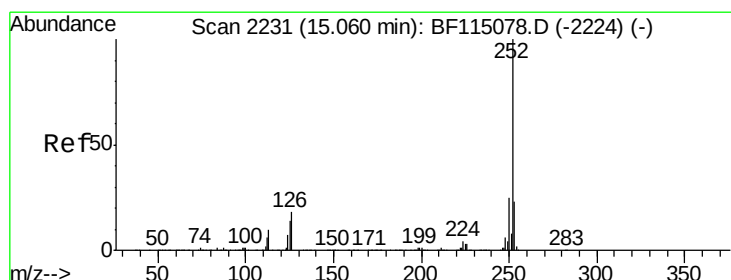
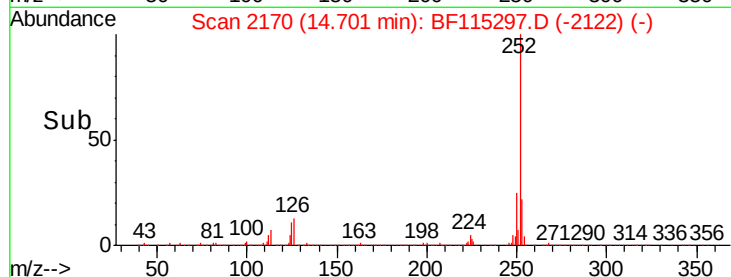
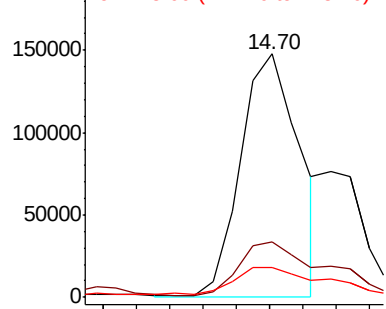


Abundance

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: 3.411 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF115297.D
Acq: 28 Jun 2019 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	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

