

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115242.D
 Acq On : 27 Jun 2019 19:09
 Operator : HP/JU
 Sample : K3518-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

Manual Integrations
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 6/28/2019 2:58:33 PM

Quant Time: Jun 28 06:39:00 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	217358	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	814821	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	401390	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	812338	20.00	ng	0.00
76) Chrysene-d12	13.71	240	683797	20.00	ng	0.00
87) Perylene-d12	15.07	264	760493	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1791977	127.22	ng	0.00
7) Phenol-d6	6.24	99	2037438	119.18	ng	0.00
23) Nitrobenzene-d5	7.16	82	1220917	92.17	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	573043	135.38	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	2143185	90.70	ng	0.00
79) Terphenyl-d14	12.68	244	2403550	74.73	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	397756	13.469	ng	98
71) Phenanthrene	11.11	178	634140	14.499	ng	98
72) Anthracene	11.17	178	131573	2.980	ng	97
75) Fluoranthene	12.29	202	792673	18.164	ng	97
78) Pyrene	12.52	202	1003588	19.098	ng	98
81) Benzo(a)anthracene	13.70	228	480554	9.794	ng	98
83) Chrysene	13.74	228	459817	10.231	ng	97
86) Indeno(1,2,3-cd)pyrene	16.32	276	228336	4.293	ng	95
88) Benzo(b)fluoranthene	14.70	252	512863m	10.808	ng	
89) Benzo(k)fluoranthene	14.72	252	118448m	2.783	ng	
90) Benzo(a)pyrene	15.01	252	384790	8.997	ng	99
92) Benzo(a,h,i)perylene	16.70	276	222337	5.502	ng	98

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

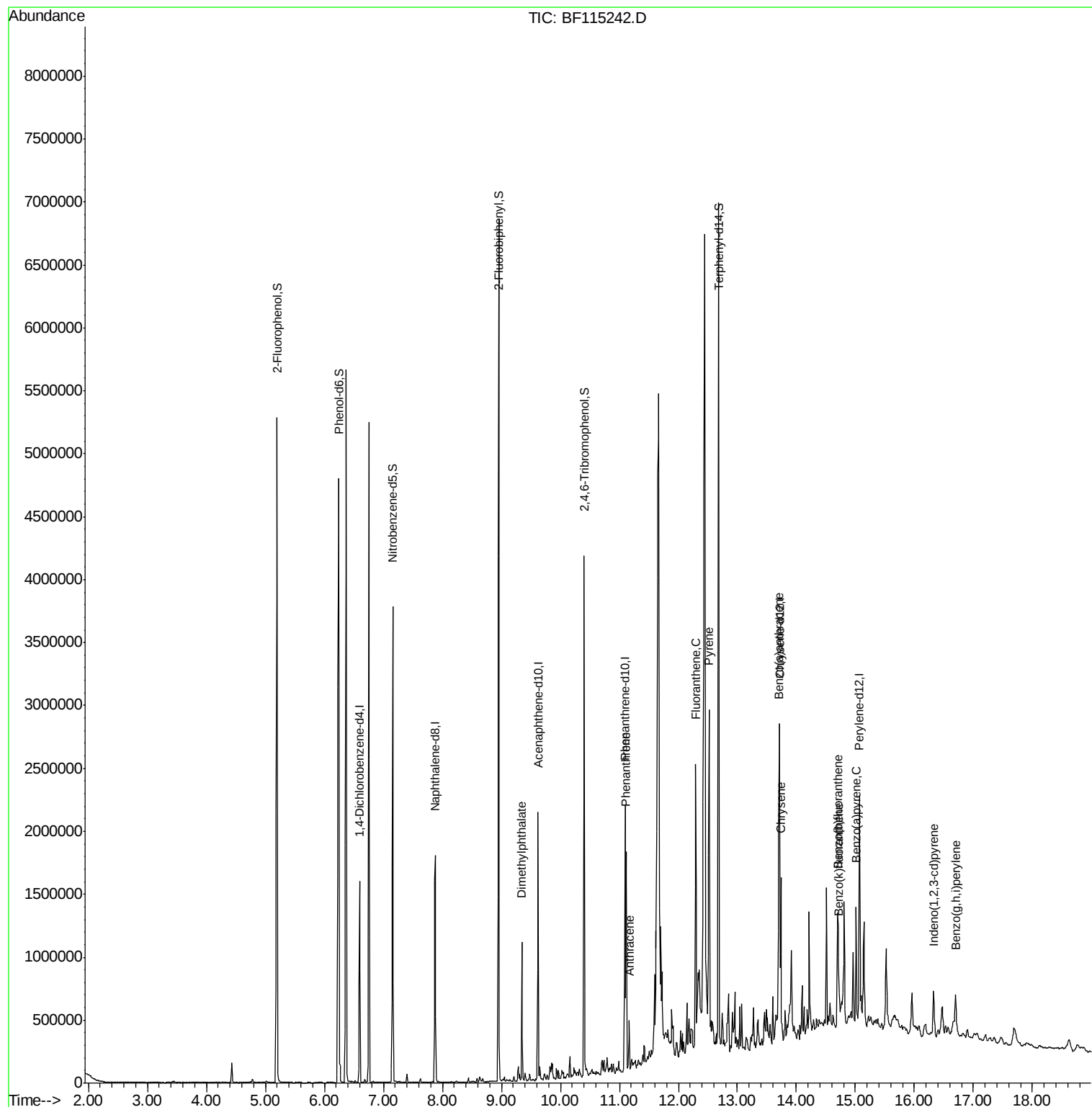
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115242.D
Acq On : 27 Jun 2019 19:09
Operator : HP/JU
Sample : K3518-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

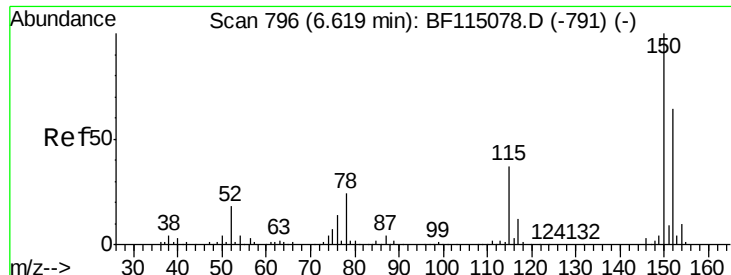
Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

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

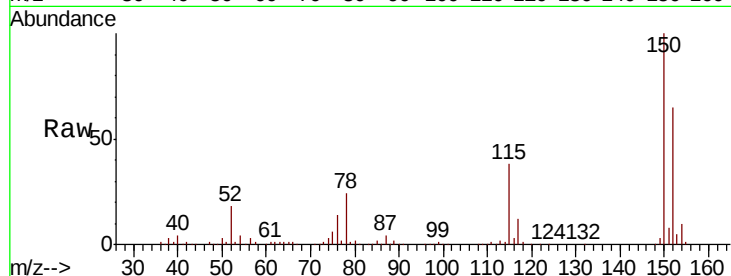
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampled :
CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.2	186.2
115	58.7	46.1	69.1

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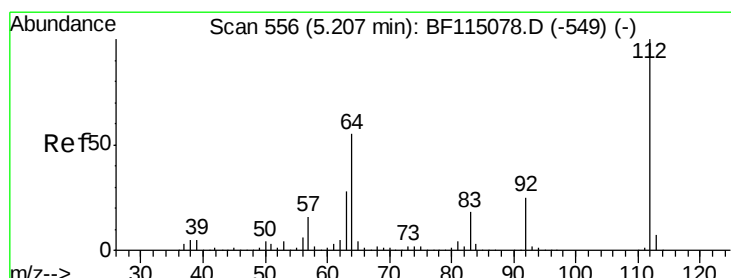
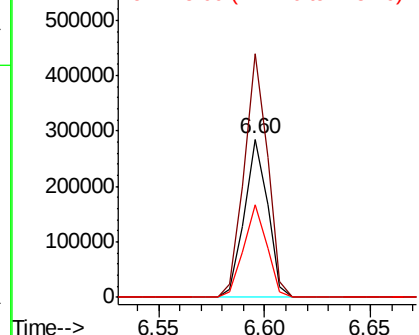
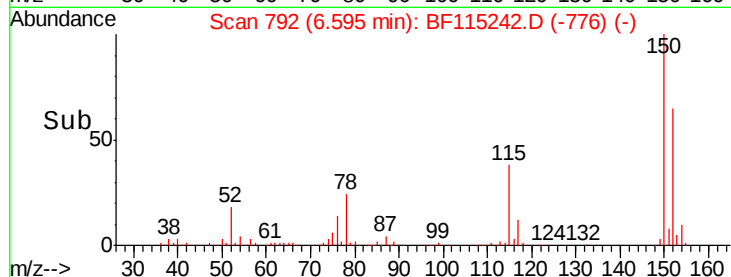


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

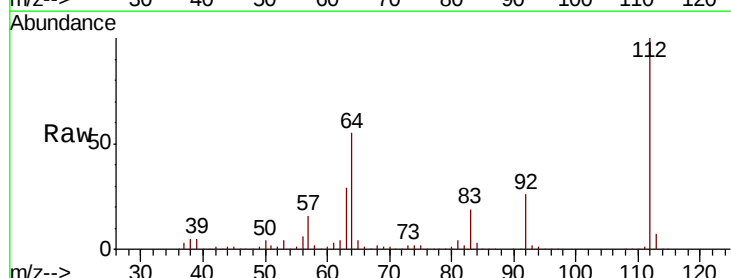
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.224 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.8	65.6
63	28.7	22.2	33.4

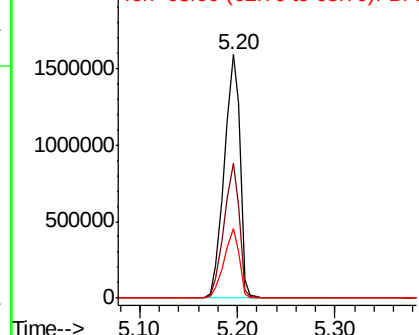
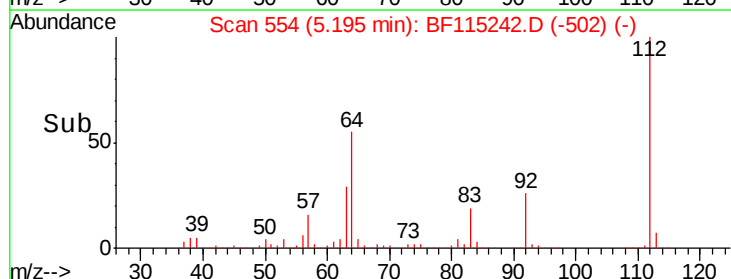


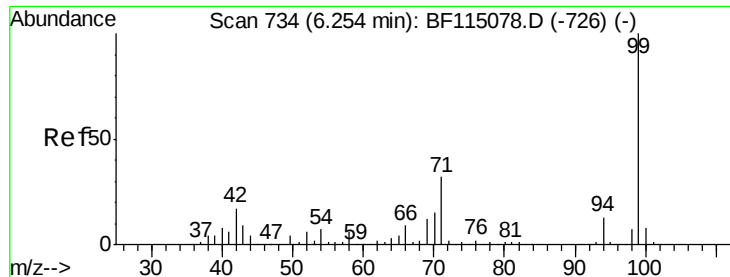
Abundance

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: 119.177 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

ClientSampleId :

CP-S4-SOIL

Tot Ion: 99 Resp: 2037438

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

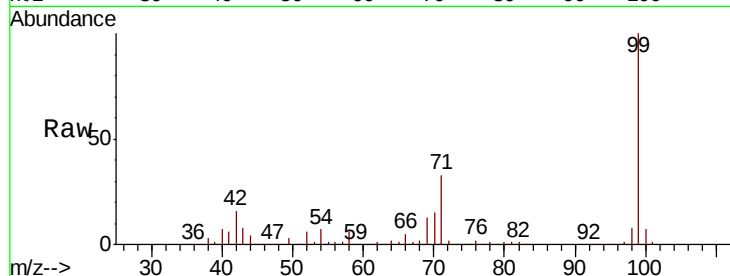
71 32.6 25.5 38.3

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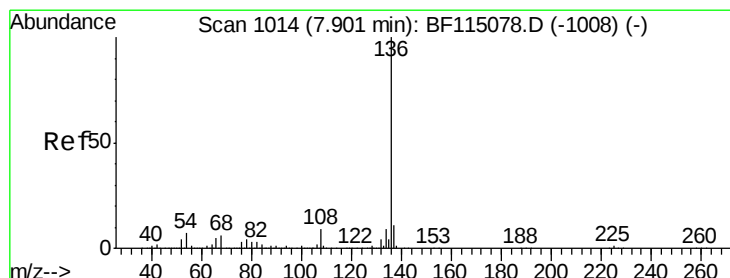
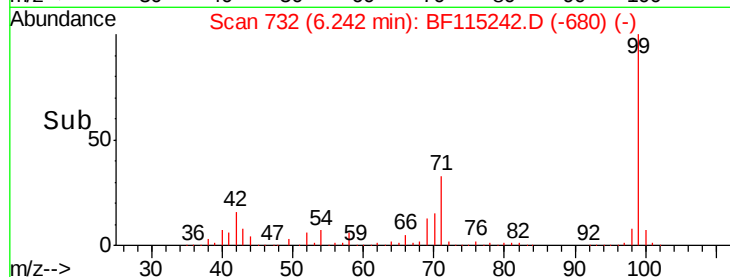
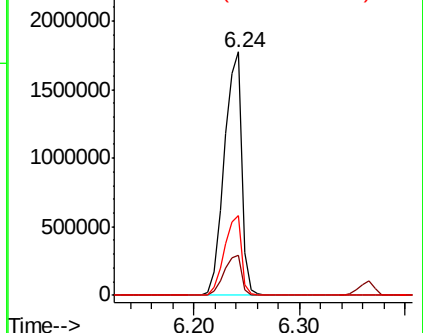
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF115242.D

Acq: 27 Jun 2019 19:09

Tgt Ion:136 Resp: 814821

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.4 5.6 8.4

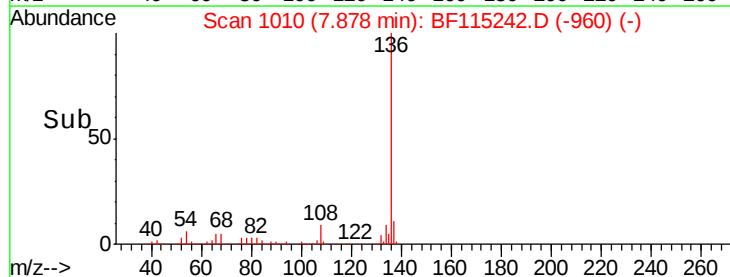
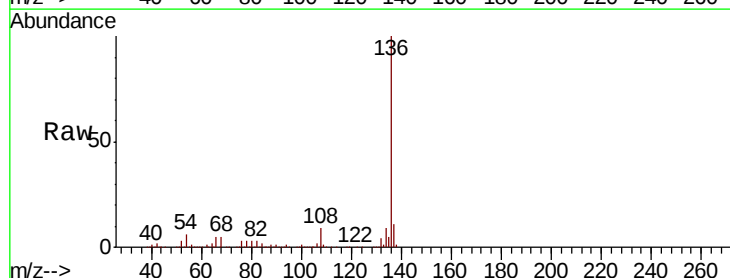
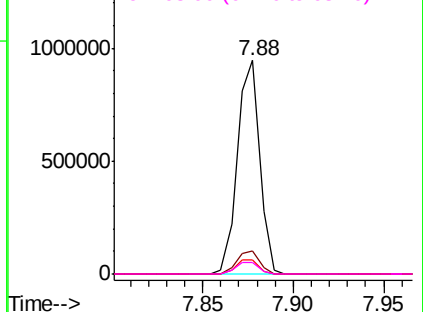
68 5.3 4.8 7.2

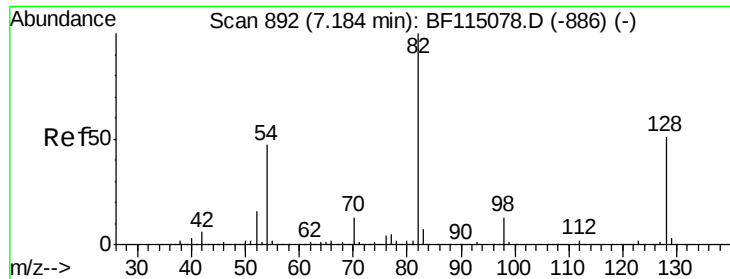
Abundance Ion 136.00 (135.70 to 136.70): E

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





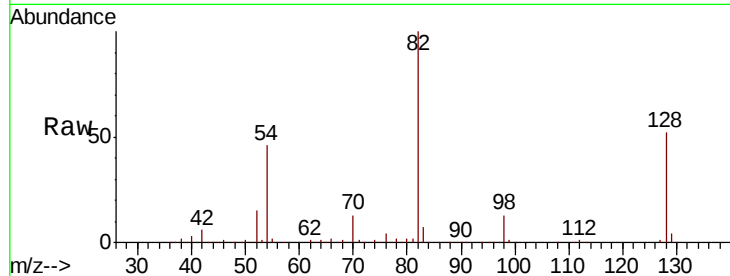
#23
Nitrobenzene-d5
Concen: 92.174 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

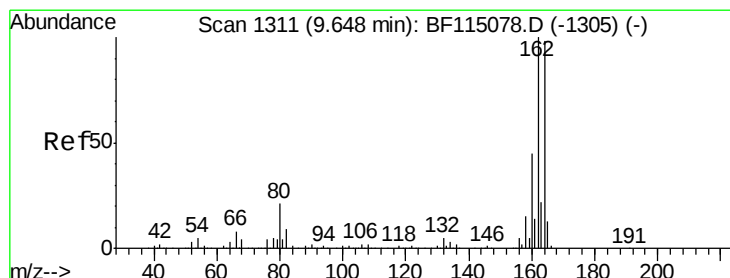
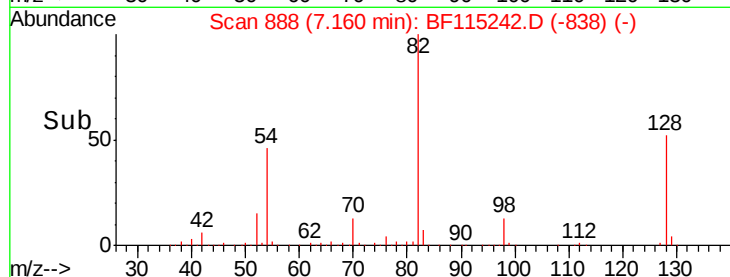
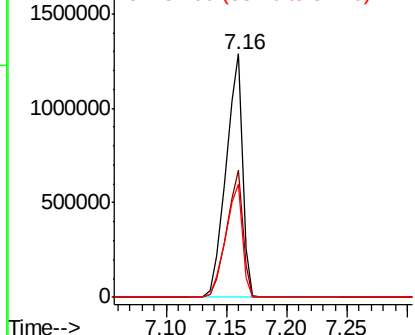
Tot Ion	Ratio	Lower	Upper
82	100		
128	52.4	40.4	60.6
54	46.3	37.5	56.3

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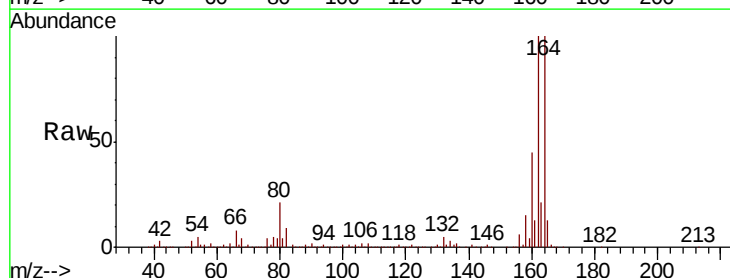


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

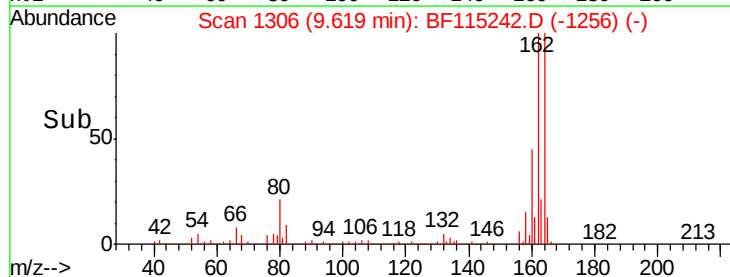
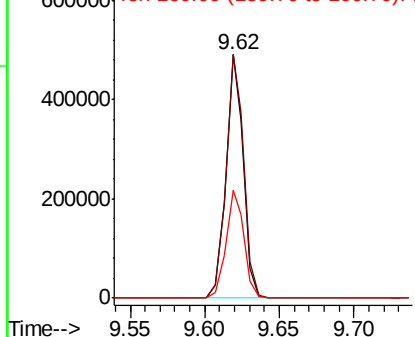


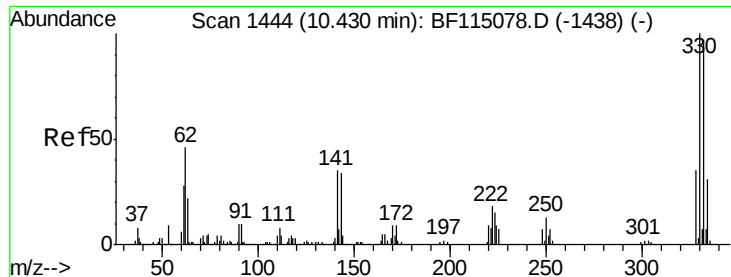
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.7	122.5
160	44.5	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





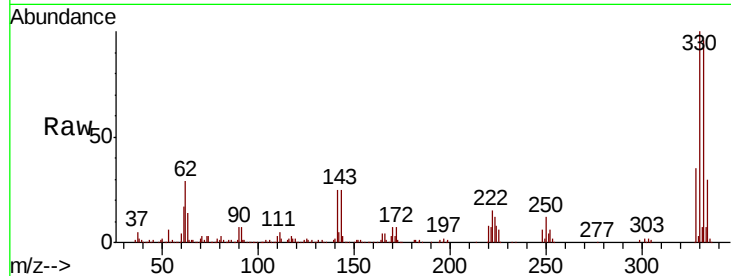
#42
 2,4,6-Tribromophenol
 Concen: 135.382 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

Instrument :
 BNA_F
 ClientSampleId :
 CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	32.4	28.2	42.2

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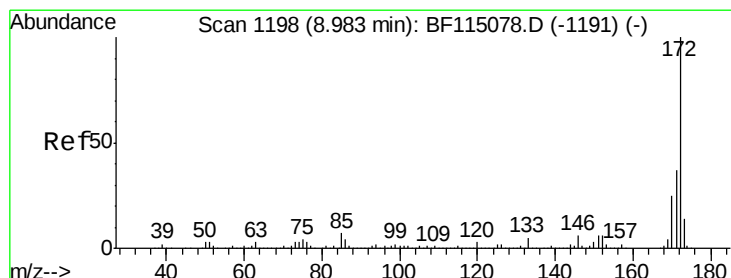
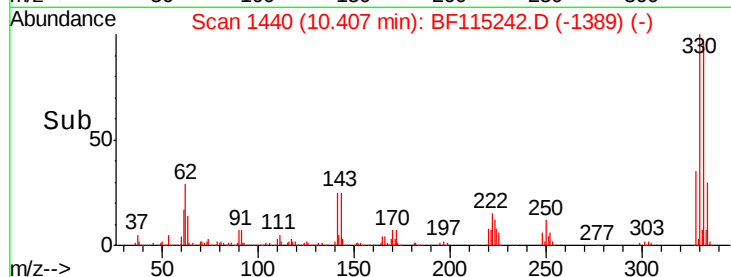
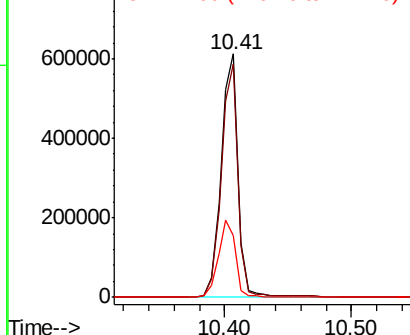


Abundance

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: 90.696 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115242.D
 Acq: 27 Jun 2019 19:09

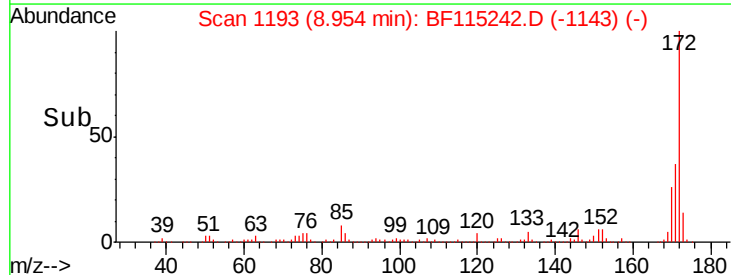
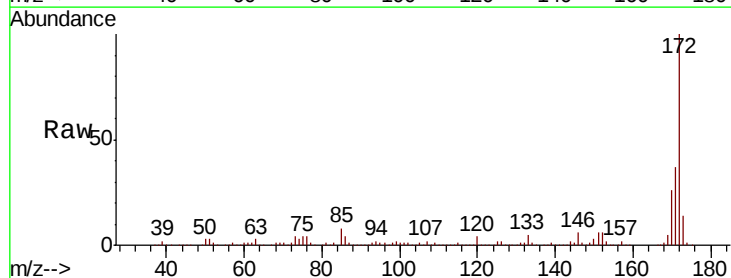
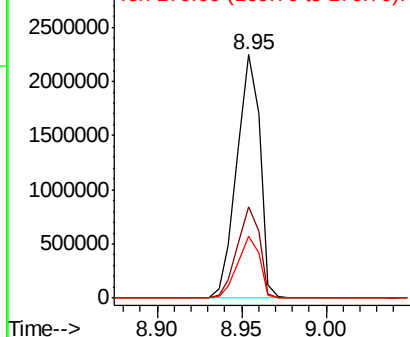
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	25.5	20.3	30.5

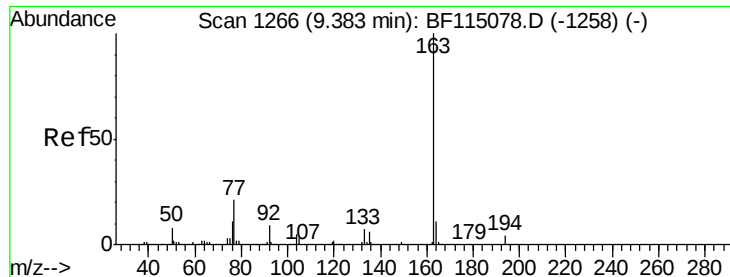
Abundance

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





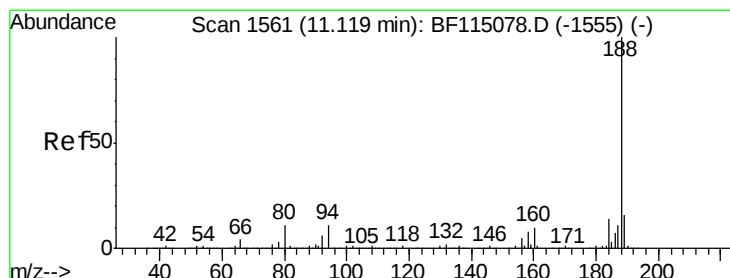
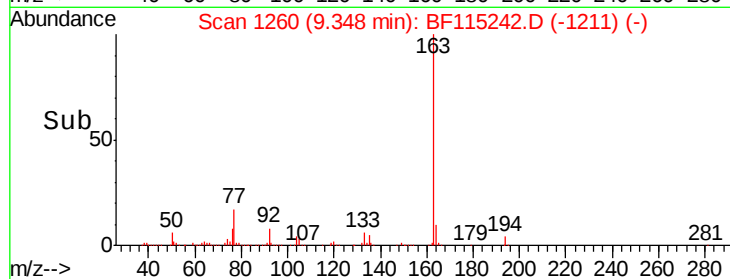
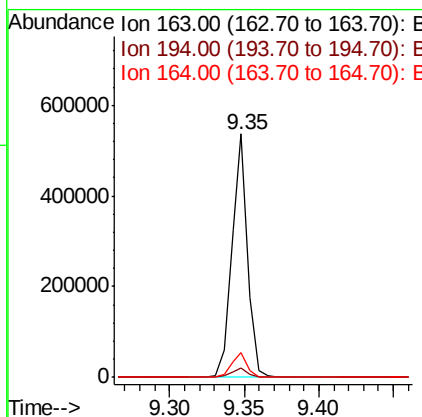
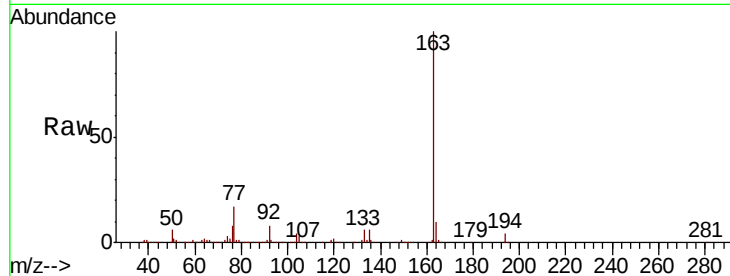
#50
Dimethylphthalate
Concen: 13.469 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

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

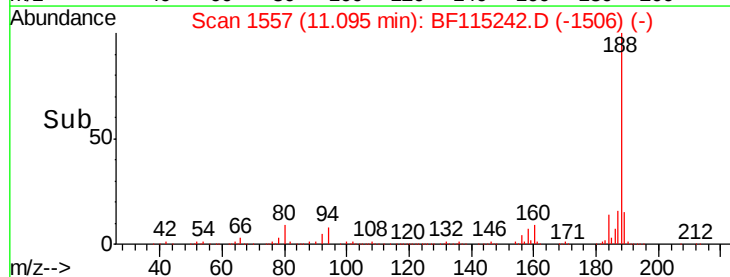
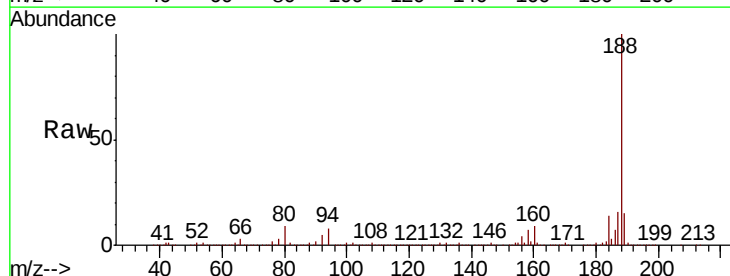
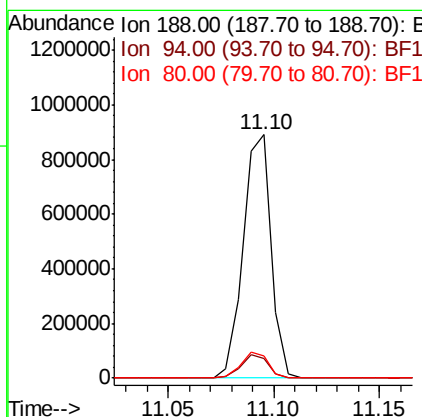
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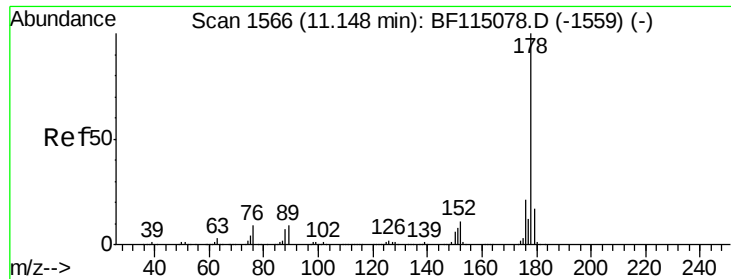
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.6	12.8#
80	8.9	8.8	13.2





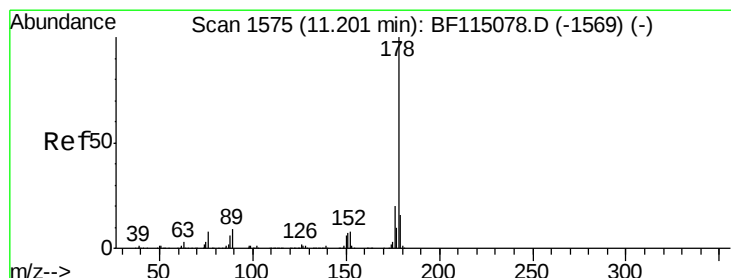
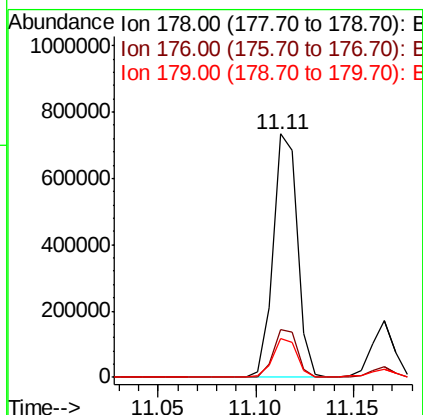
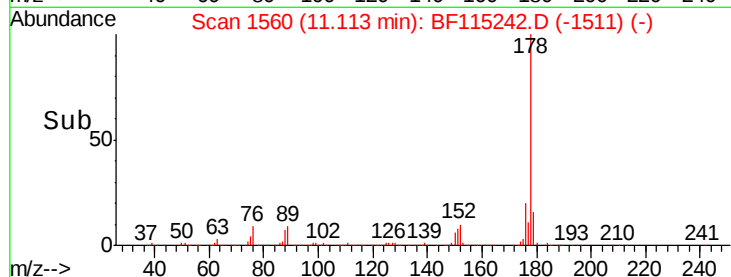
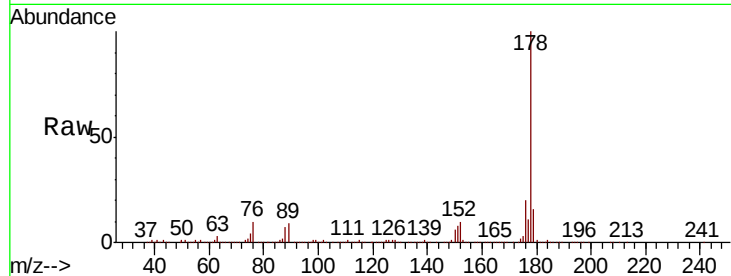
#71
Phenanthrene
Concen: 14.499 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.9	25.3
179	16.1	13.2	19.8

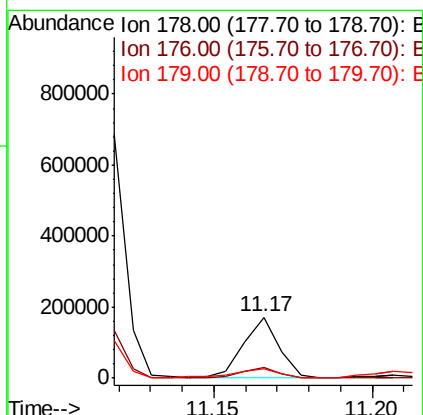
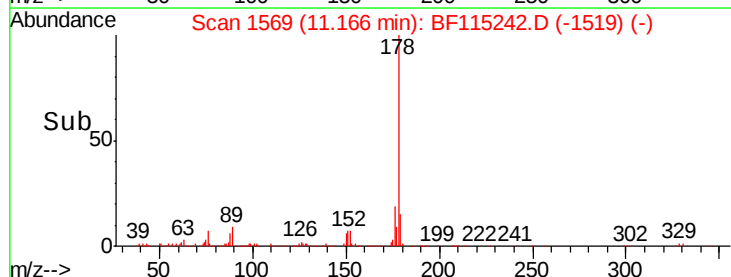
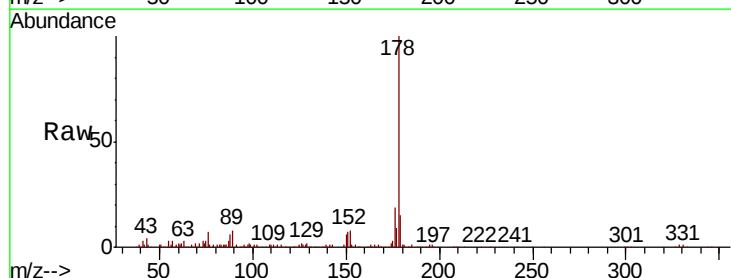
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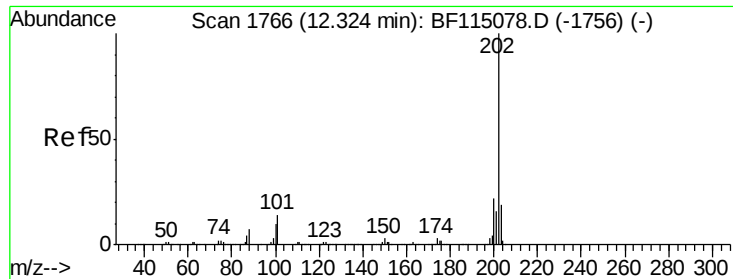
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#72
Anthracene
Concen: 2.980 ng
RT: 11.17 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.1	24.1
179	15.3	12.9	19.3





#75

Fluoranthene

Concen: 18.164 ng

RT: 12.29 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

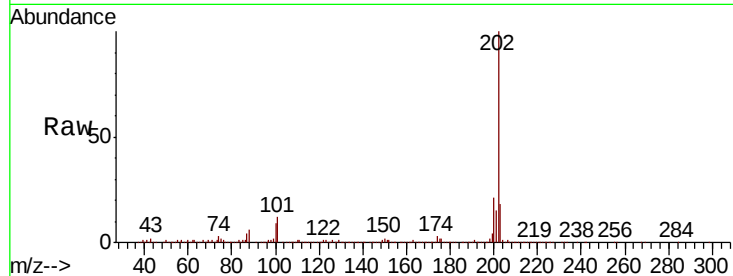
ClientSampled :

CP-S4-SOIL

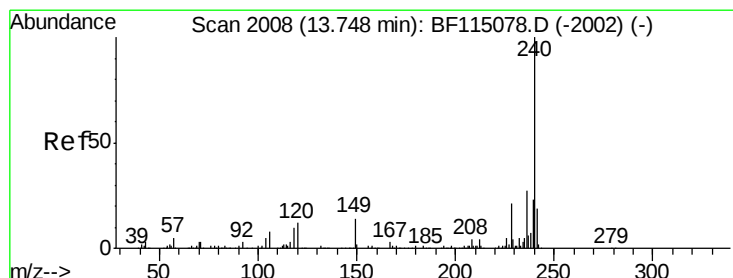
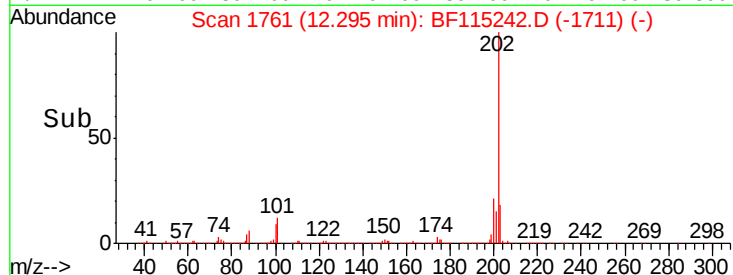
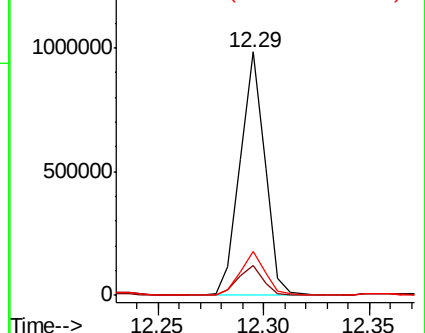
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	34.0
203	18.0	0.0	38.8

Manual Integrations
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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

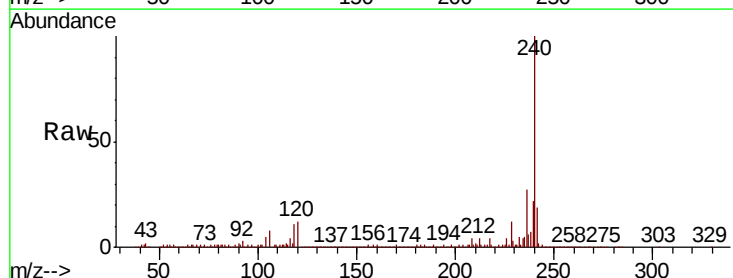
RT: 13.71 min Scan# 2002

Delta R.T. -0.01 min

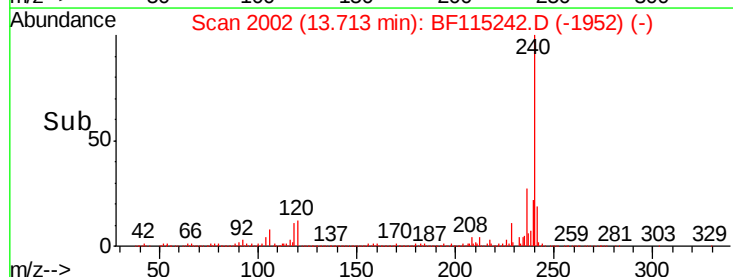
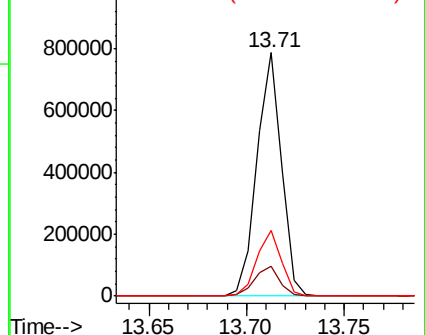
Lab File: BF115242.D

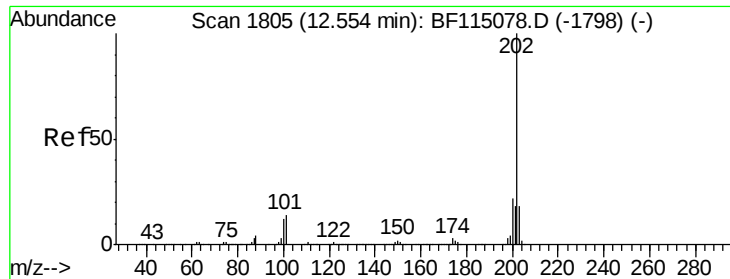
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.3	9.4	14.2
236	27.0	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





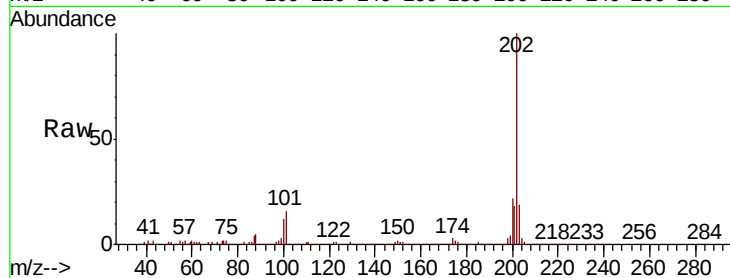
#78
Pvrene
Concen: 19.098 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampled :
CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.9	26.9
203	19.3	14.6	21.8

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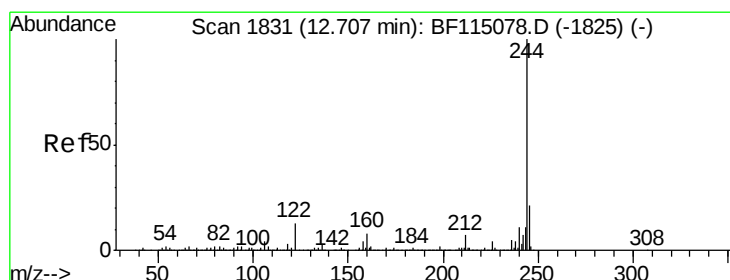
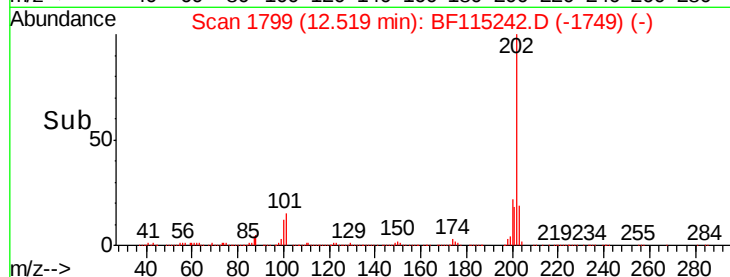
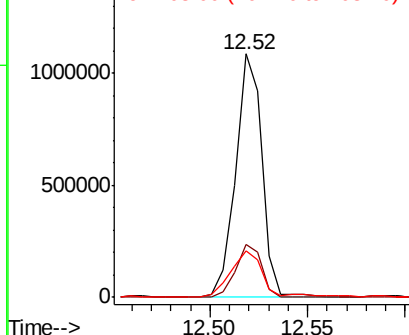


Abundance

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: 74.734 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

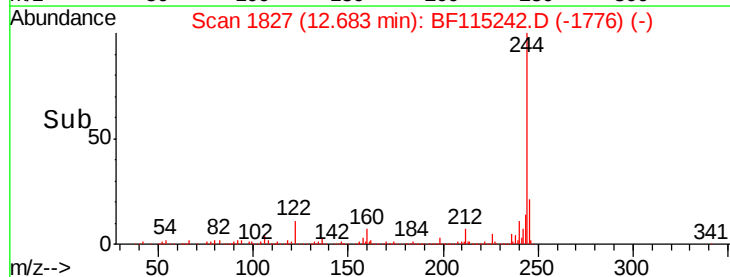
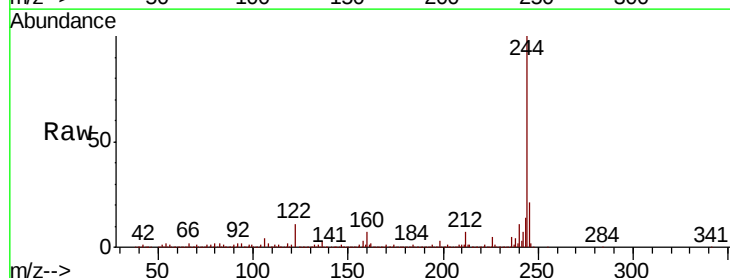
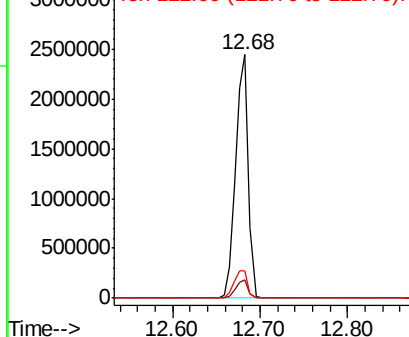
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	11.2	10.4	15.6

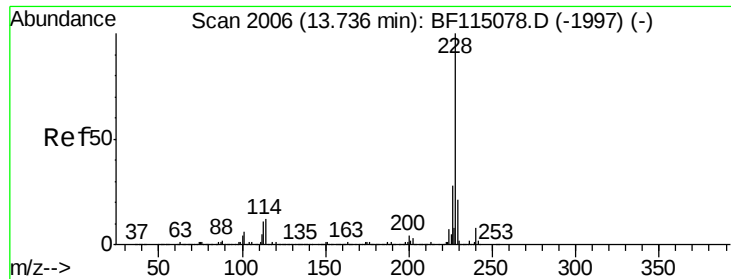
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





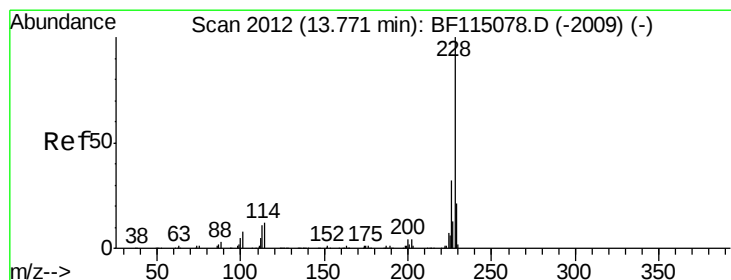
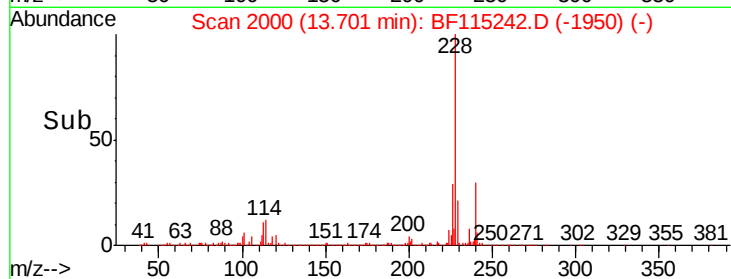
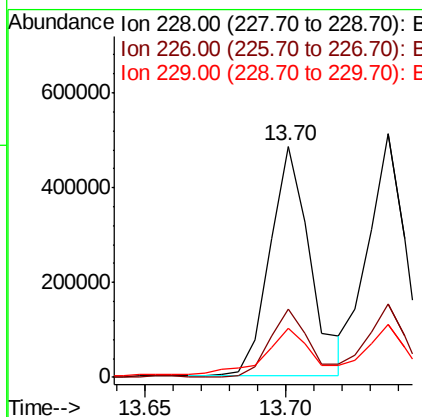
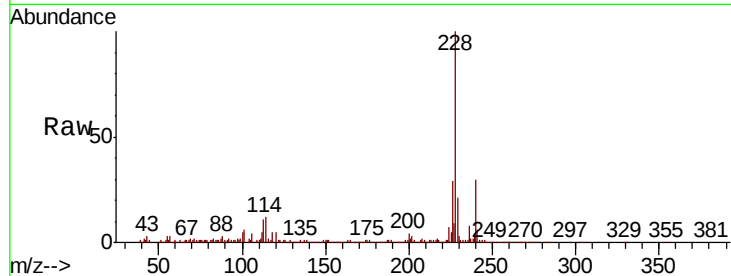
#81
Benzo(a)anthracene
Concen: 9.794 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.5	33.7
229	21.4	16.6	24.8

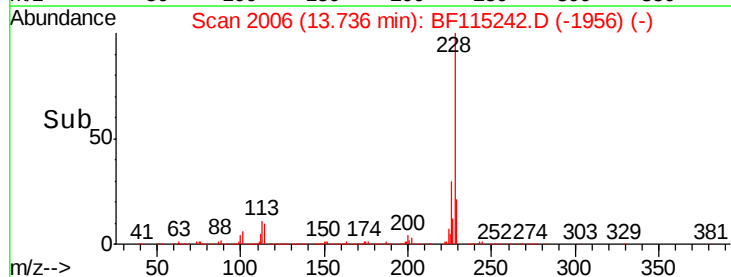
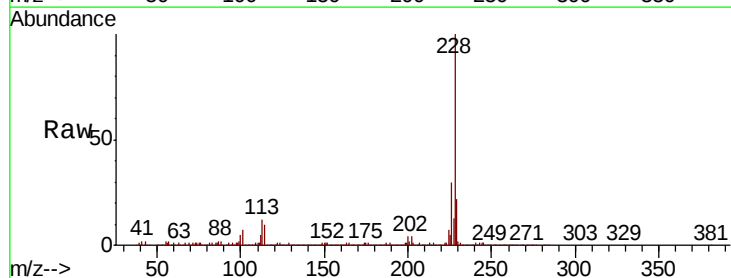
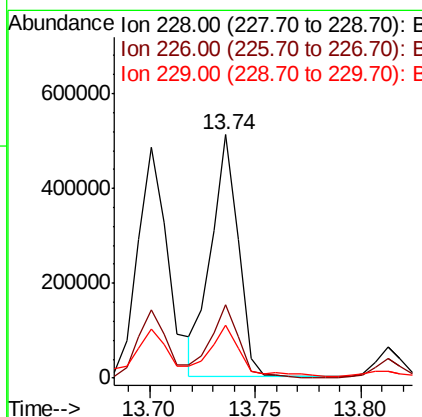
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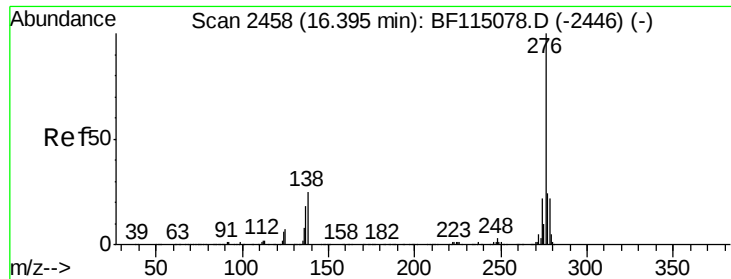
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#83
Chrysene
Concen: 10.231 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.0	16.5	24.7





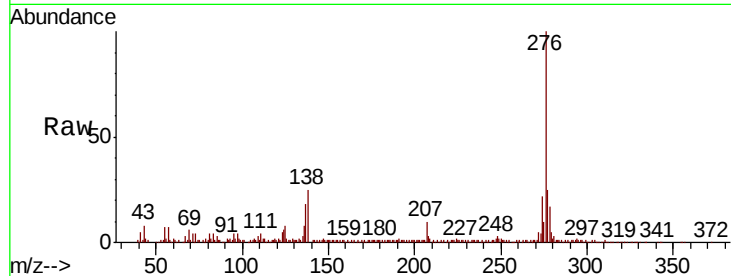
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.293 ng
RT: 16.32 min Scan# 2446
Delta R.T. -0.03 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.2	34.8
277	27.1	20.1	30.1

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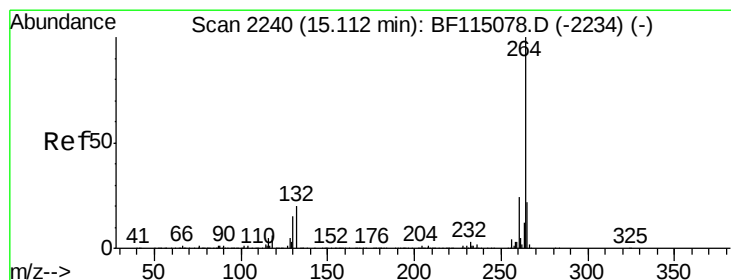
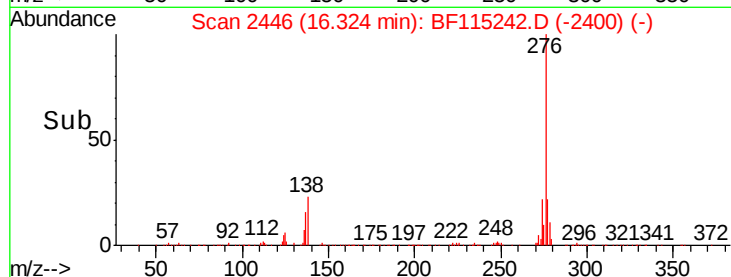
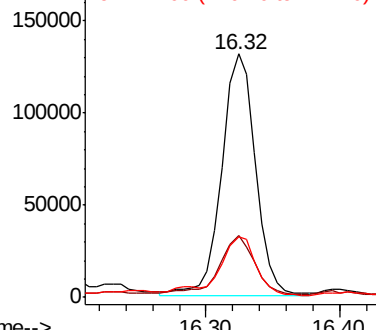


Abundance

Ion 276.00 (275.70 to 276.70): E

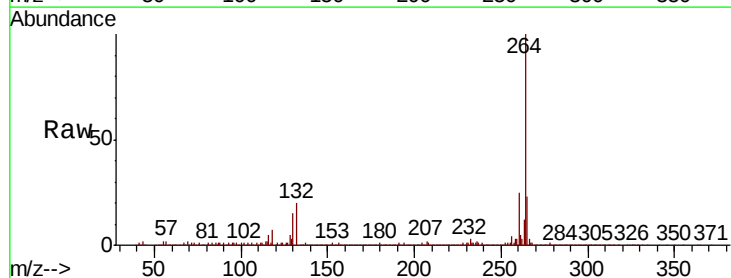
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.5	17.3	25.9

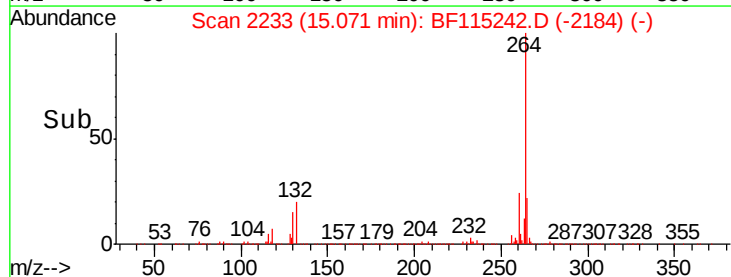
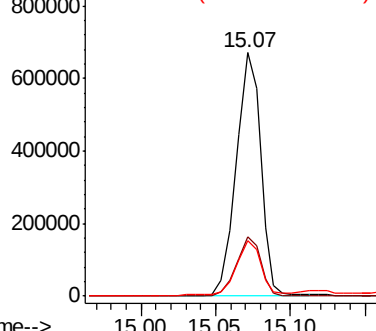


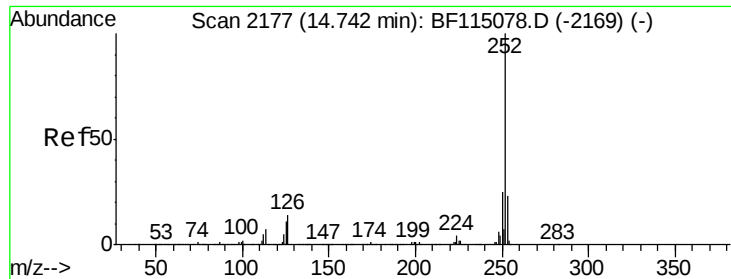
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 10.808 ng m

RT: 14.70 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Instrument :

BNA_F

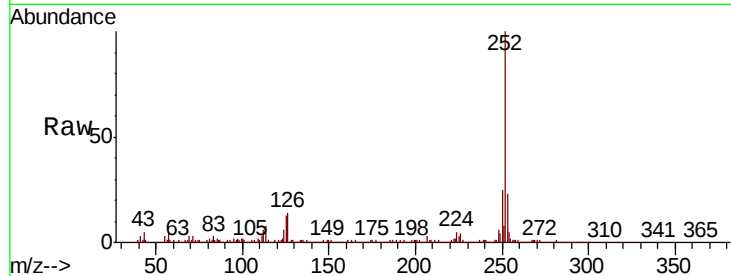
ClientSampleId :

CP-S4-SOIL

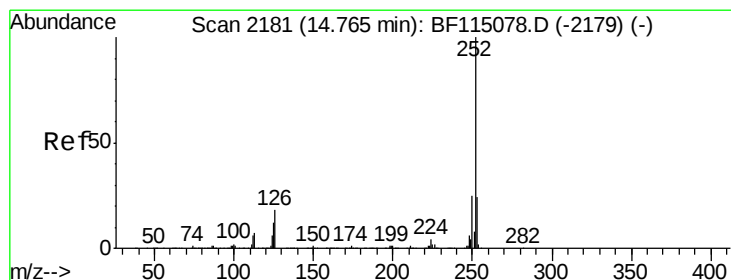
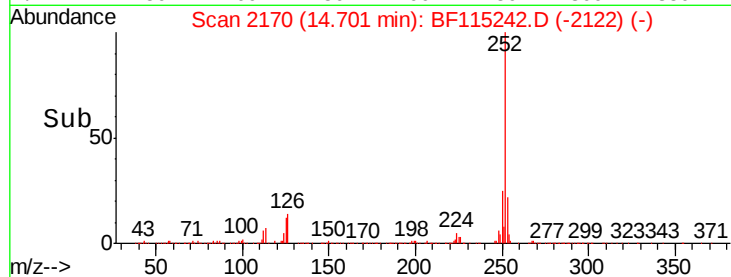
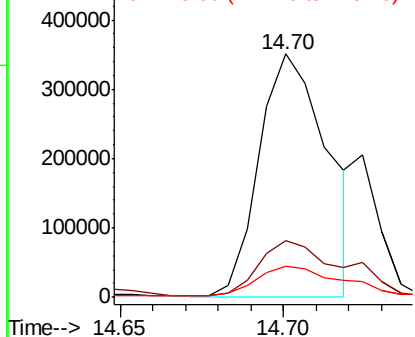
Tot Ion:	252	Resp:	512863
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	12.8	8.7	13.1

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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



#89

Benzo(k)fluoranthene

Concen: 2.783 ng m

RT: 14.72 min Scan# 2174

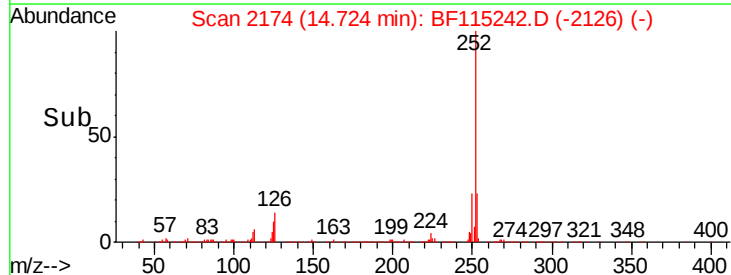
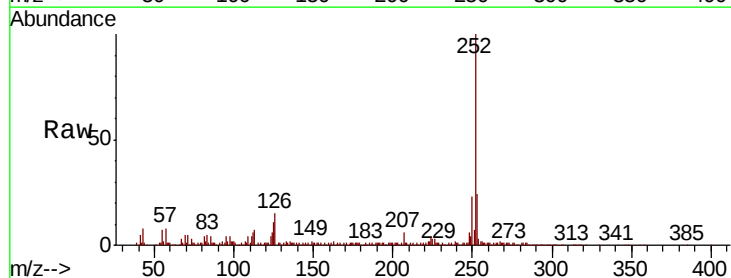
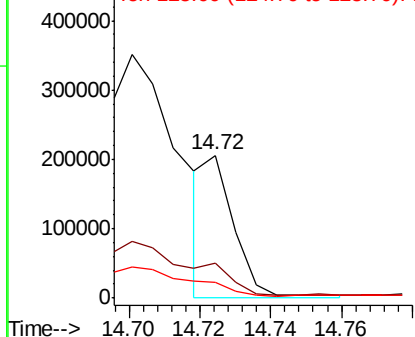
Delta R.T. -0.02 min

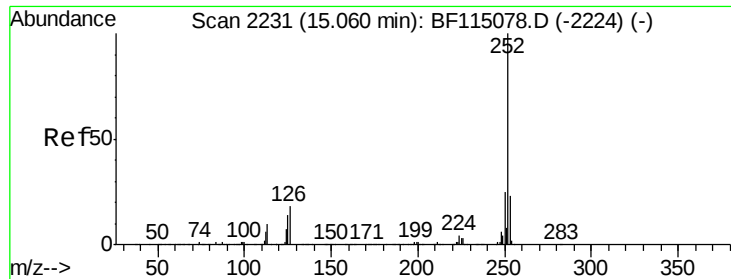
Lab File: BF115242.D

Acq: 27 Jun 2019 19:09

Tgt Ion:	252	Resp:	118448
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.9	28.3
125	11.3	10.2	15.2

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





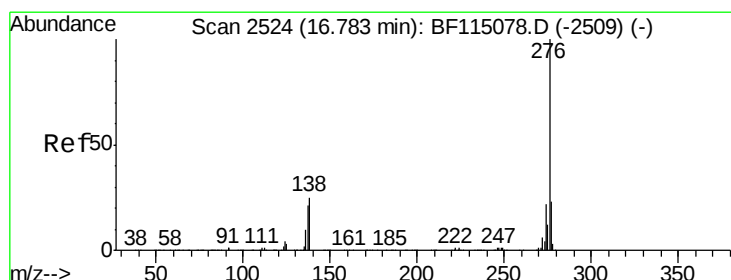
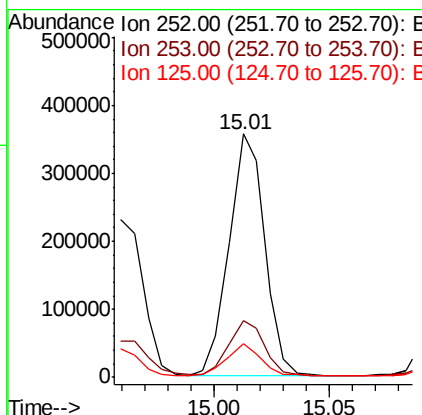
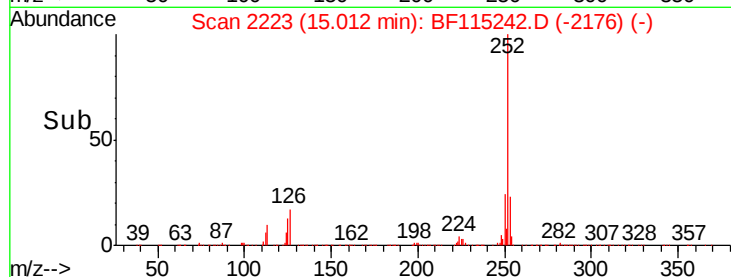
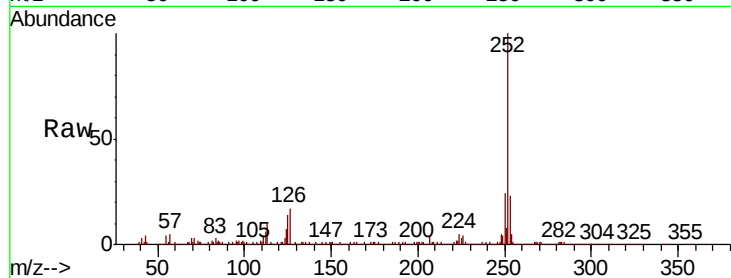
#90
Benzo(a)pyrene
Concen: 8.997 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Instrument :
BNA_F
ClientSampleId :
CP-S4-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	13.7	10.9	16.3

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#92
Benzo(g,h,i)perylene
Concen: 5.502 ng
RT: 16.70 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF115242.D
Acq: 27 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	25.2	19.8	29.6

