

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062519\
 Data File : BF115206.D
 Acq On : 25 Jun 2019 23:45
 Operator : HP/JU
 Sample : K3518-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Manual Integrations
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Quant Time: Jun 26 07:45:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	220068	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	720321	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	322110	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	643801	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	599290	20.00	ng	-0.02
87) Perylene-d12	15.09	264	617218	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1642263	115.16	ng	0.00
7) Phenol-d6	6.25	99	1967112	113.65	ng	0.00
23) Nitrobenzene-d5	7.17	82	1163808	99.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.42	330	500130	147.24	ng	-0.01
45) 2-Fluorobiphenyl	8.97	172	2025630	106.82	ng	-0.02
79) Terphenyl-d14	12.69	244	2242433	79.56	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.36	163	304920	12.867	ng	98
71) Phenanthrene	11.13	178	186703	5.386	ng	96
75) Fluoranthene	12.31	202	457513	13.229	ng	97
78) Pyrene	12.54	202	515098	11.184	ng	98
81) Benzo(a)anthracene	13.71	228	297164	6.911	ng	99
83) Chrysene	13.75	228	288581	7.326	ng	96
86) Indeno(1,2,3-cd)pyrene	16.35	276	125222	2.687	ng	93
88) Benzo(b)fluoranthene	14.71	252	329973m	8.568	ng	
89) Benzo(k)fluoranthene	14.74	252	111217m	3.220	ng	
90) Benzo(a)pyrene	15.03	252	251637	7.249	ng	99
92) Benzo(g,h,i)perylene	16.72	276	109175	3.329	ng	98

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

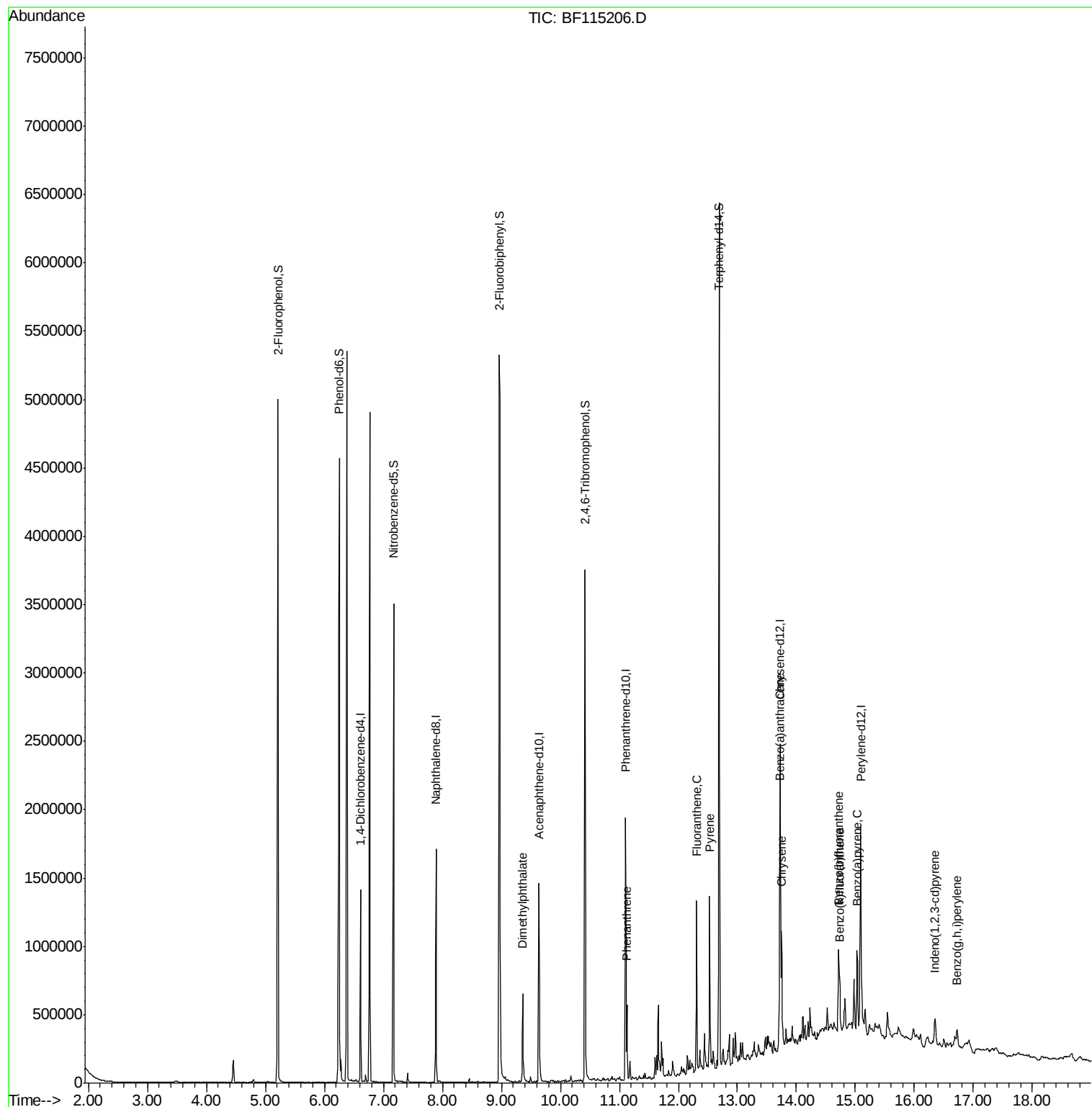
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062519\
Data File : BF115206.D
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ALS Vial : 16 Sample Multiplier: 1

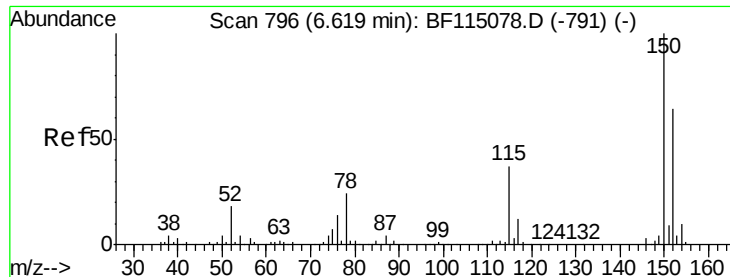
Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
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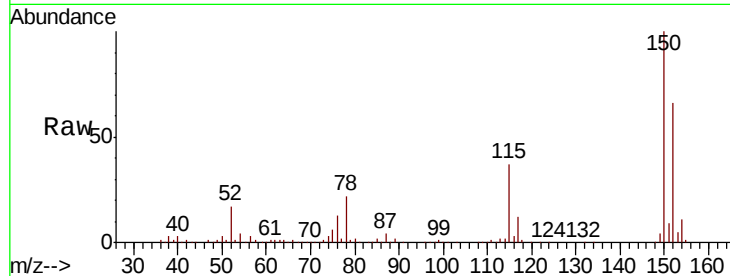
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampled :
 CP-S5-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.2	186.2
115	56.2	46.1	69.1

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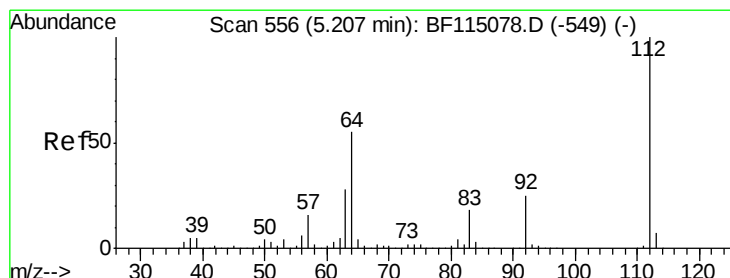
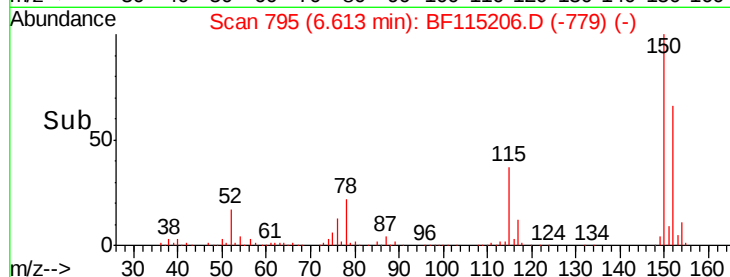
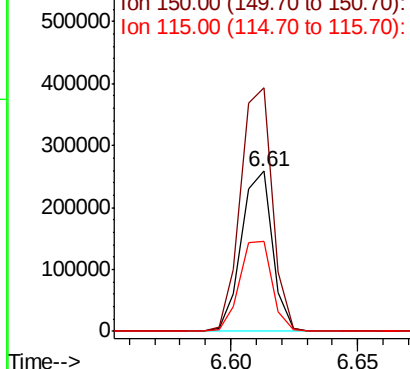


Abundance

Ion 152.00 (151.70 to 152.70): E

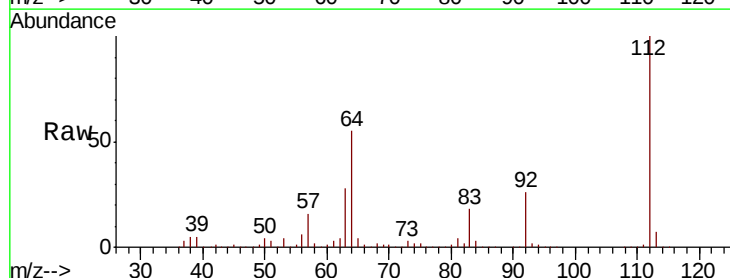
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 115.159 ng
 RT: 5.21 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	43.8	65.6
63	28.1	22.2	33.4

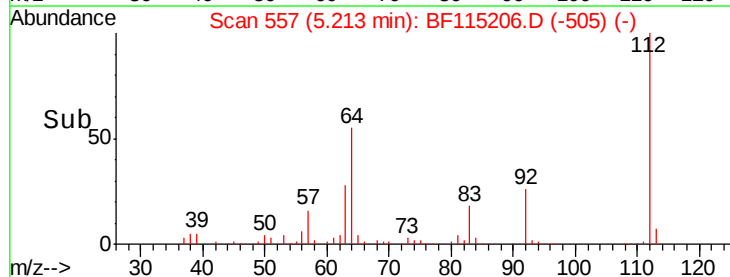
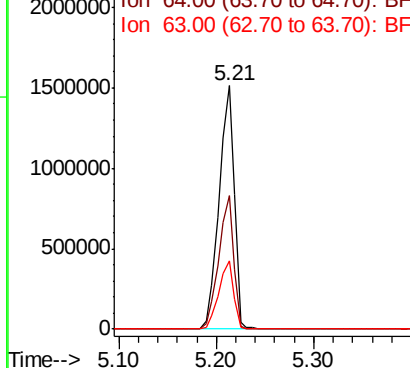


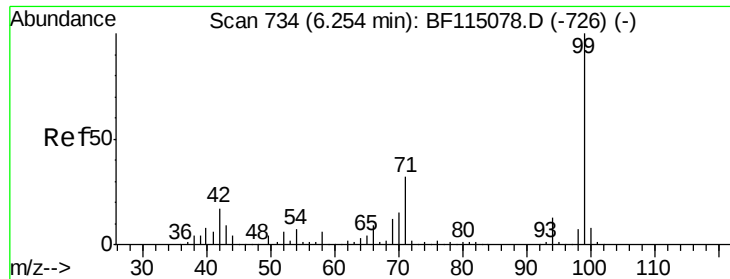
Abundance

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: 113.646 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Instrument :

BNA_F

ClientSampleId :

CP-S5-SOIL

Tot Ion: 99 Resp: 1967112

Ion Ratio Lower Upper

99 100

42 17.4 13.6 20.4

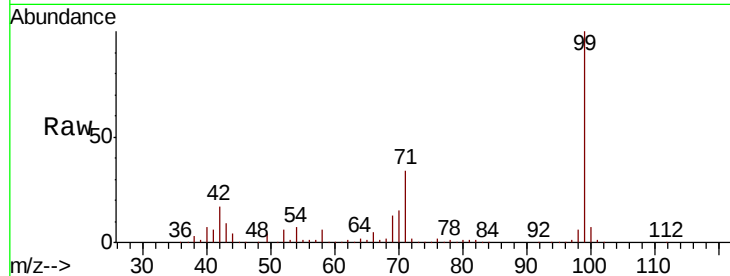
71 33.7 25.5 38.3

Manual Integrations

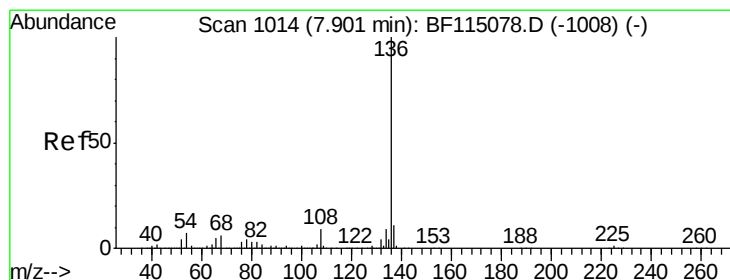
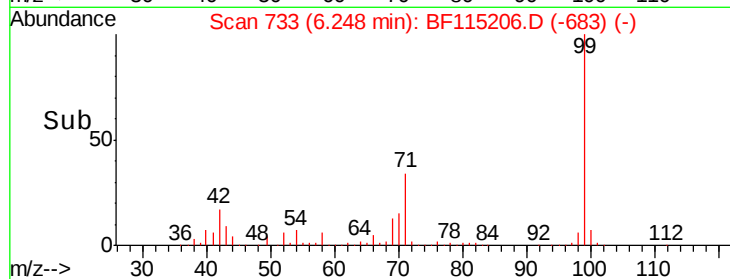
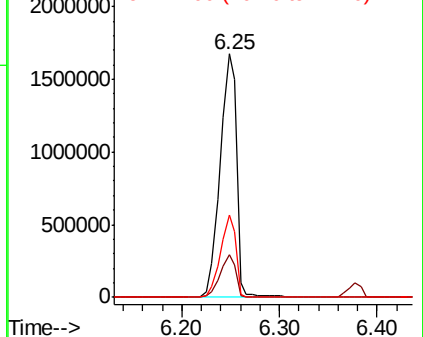
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115206.D

Acq: 25 Jun 2019 23:45

Tgt Ion: 136 Resp: 720321

Ion Ratio Lower Upper

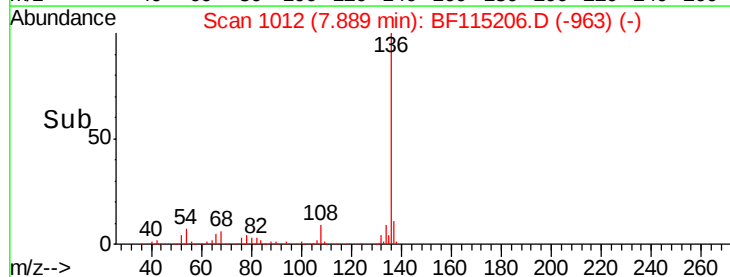
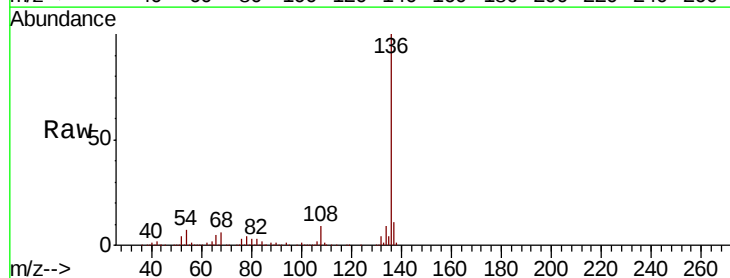
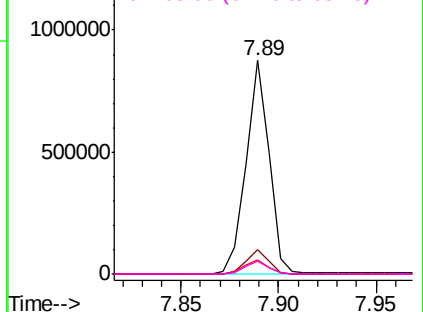
136 100

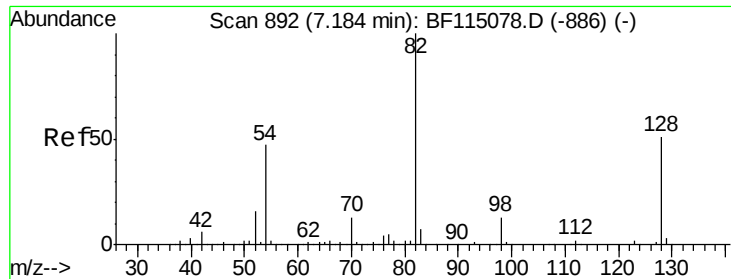
137 11.3 8.9 13.3

54 6.9 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





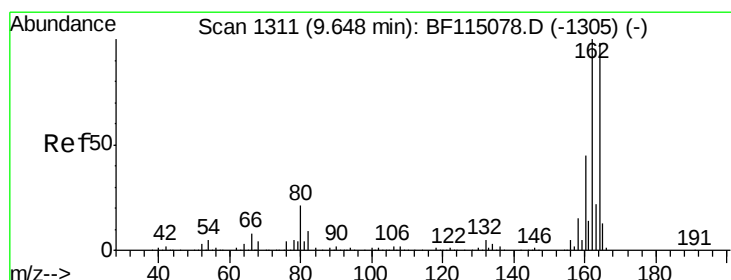
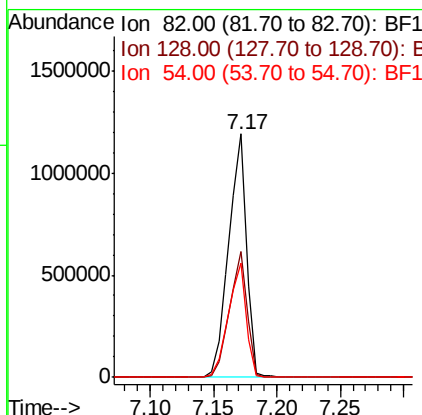
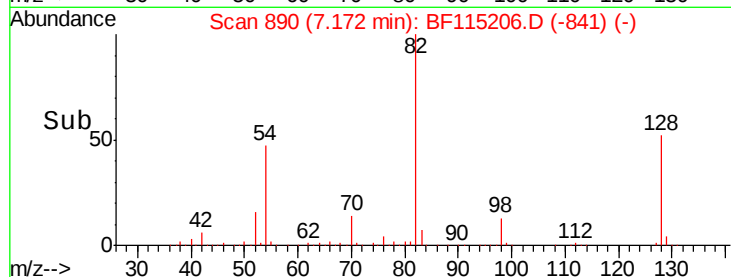
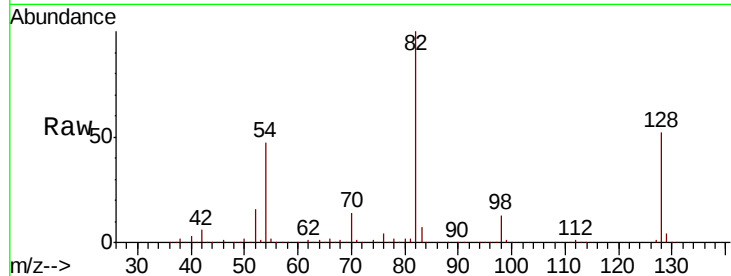
#23
 Nitrobenzene-d5
 Concen: 99.389 ng
 RT: 7.17 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Tot Ion: 82 Resp: 1163808
 Ion Ratio Lower Upper
 82 100
 128 51.5 40.4 60.6
 54 47.1 37.5 56.3

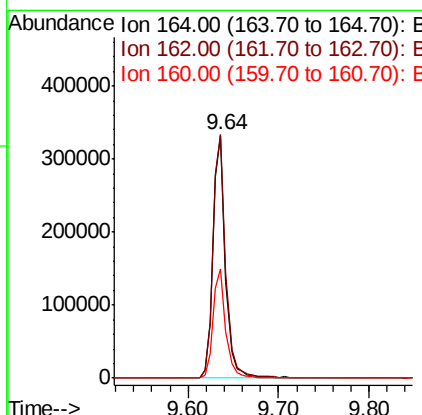
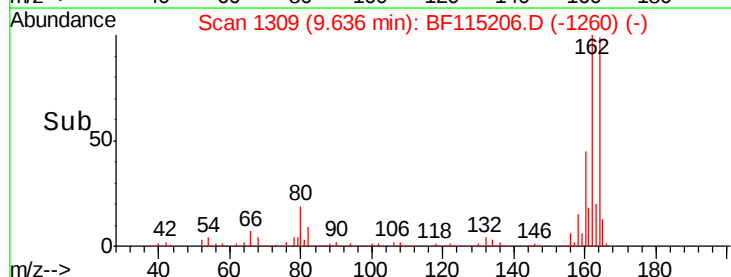
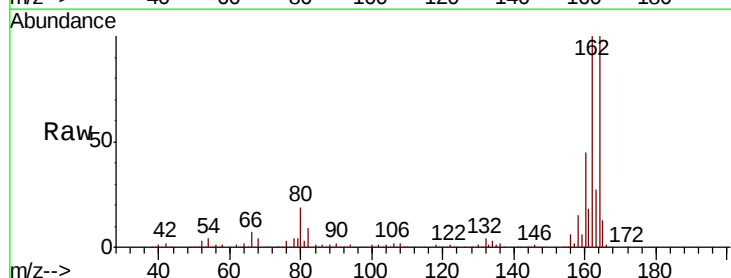
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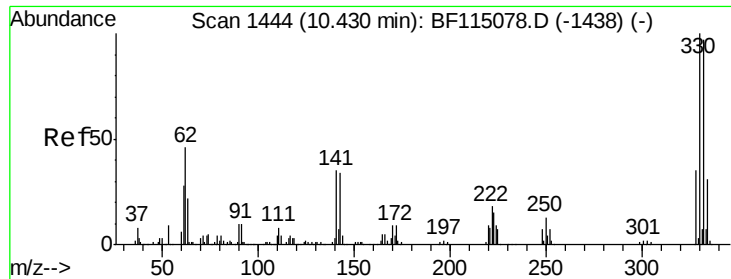
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion: 164 Resp: 322110
 Ion Ratio Lower Upper
 164 100
 162 100.4 81.7 122.5
 160 45.3 37.0 55.4





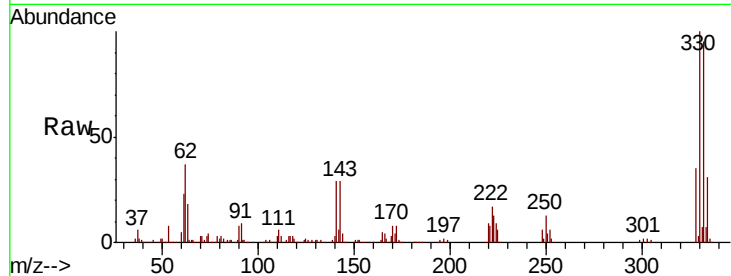
#42
 2,4,6-Tribromophenol
 Concen: 147.237 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	500130		
332	95.3	77.3	115.9	
141	32.4	28.2	42.2	

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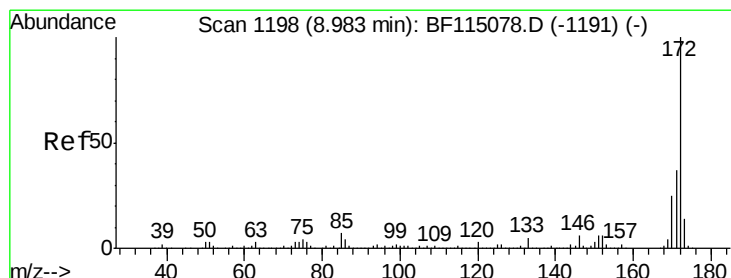
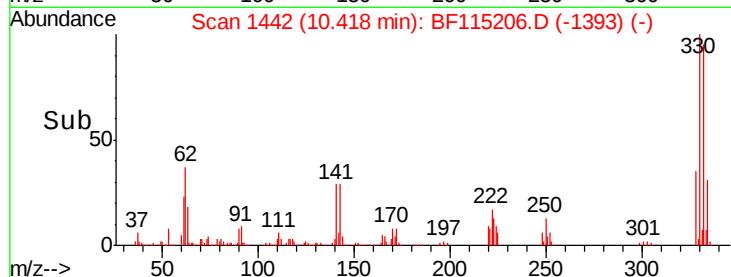
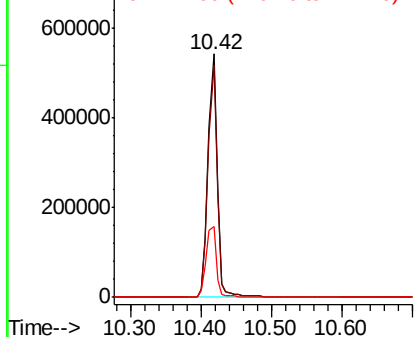


Abundance

Ion 329.80 (329.50 to 330.50): E

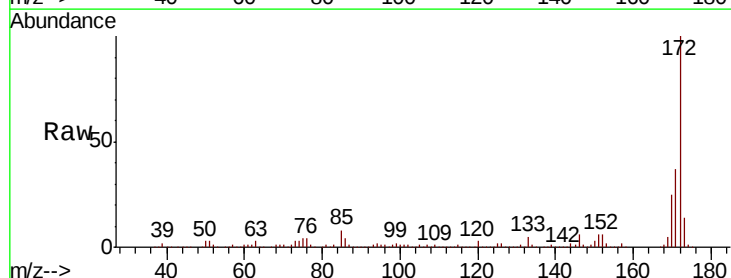
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 106.820 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2025630		
171	37.5	29.8	44.6	
170	25.4	20.3	30.5	

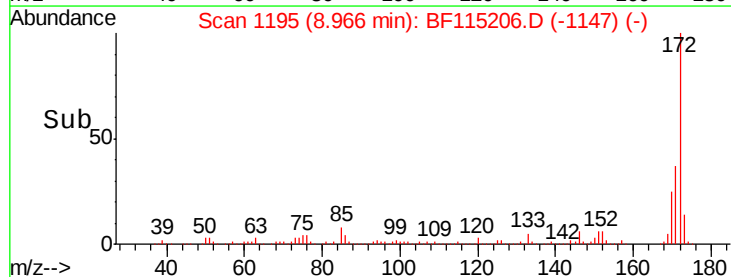
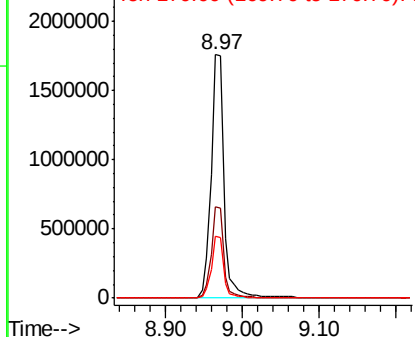


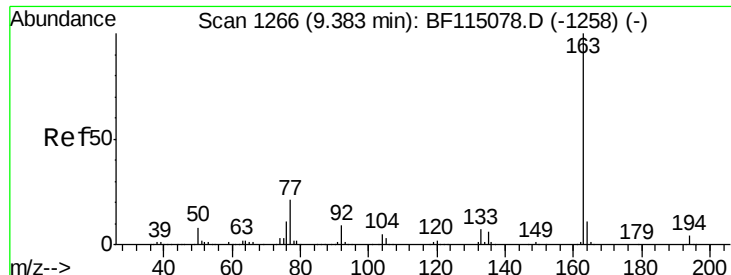
Abundance

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





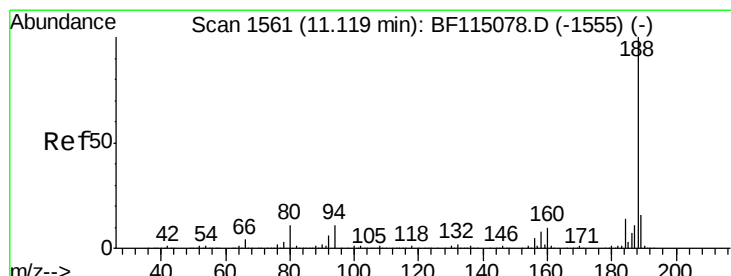
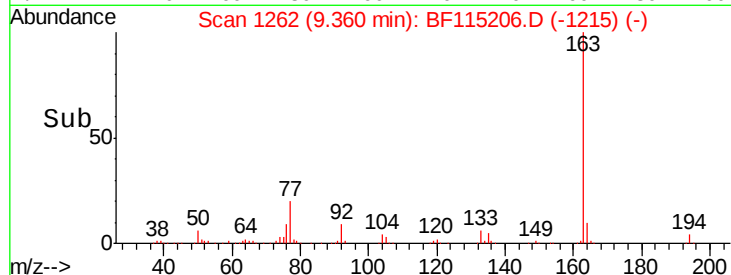
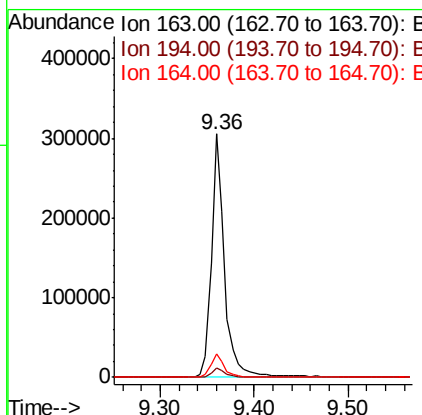
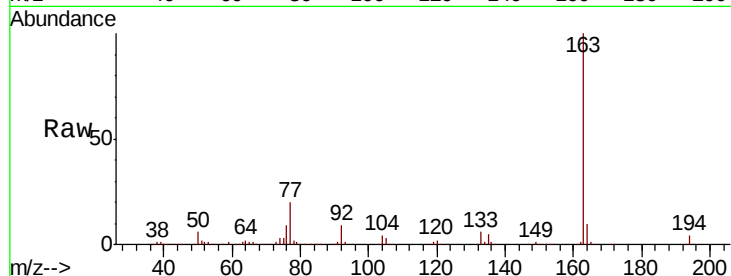
#50
Dimethylphthalate
Concen: 12.867 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	304920		
194	3.8		3.2	4.8
164	9.9		8.6	13.0

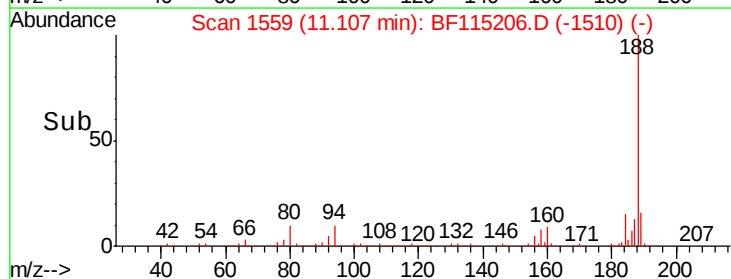
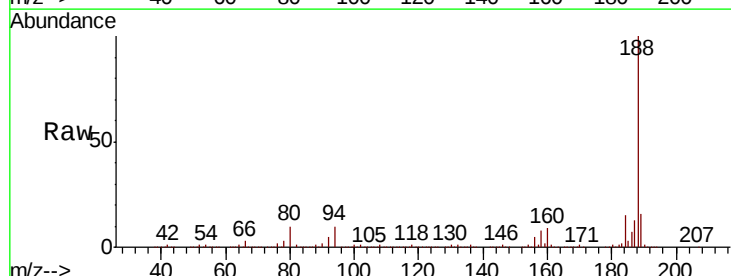
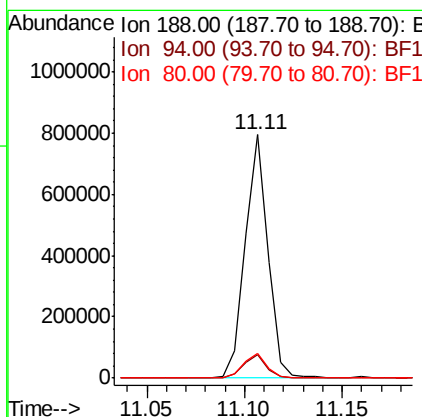
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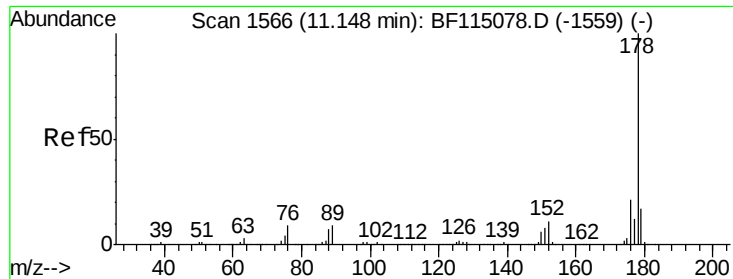
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	643801		
94	9.6		8.6	12.8
80	9.9		8.8	13.2





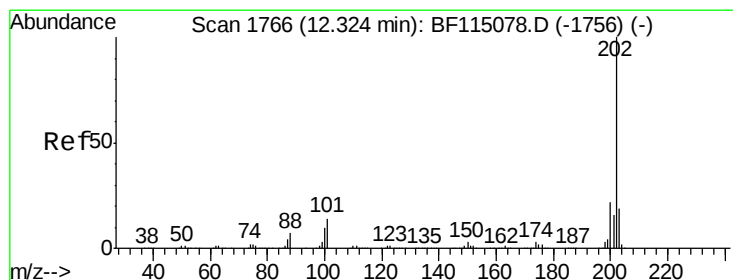
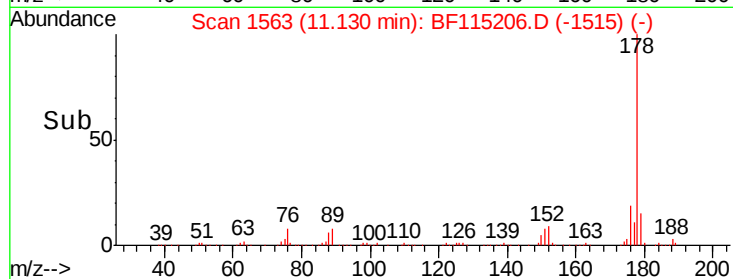
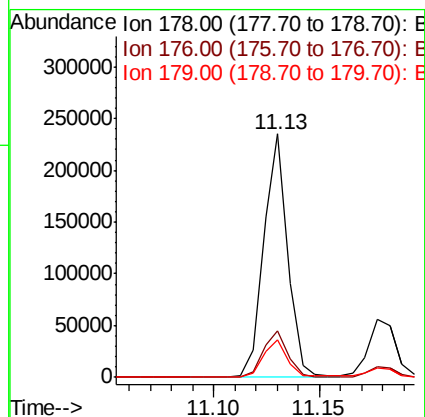
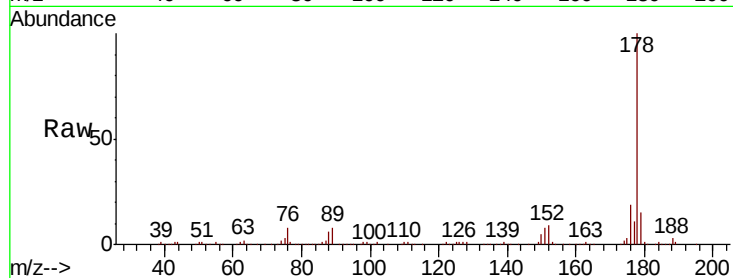
#71
Phenanthrene
Concen: 5.386 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.9	25.3
179	15.4	13.2	19.8

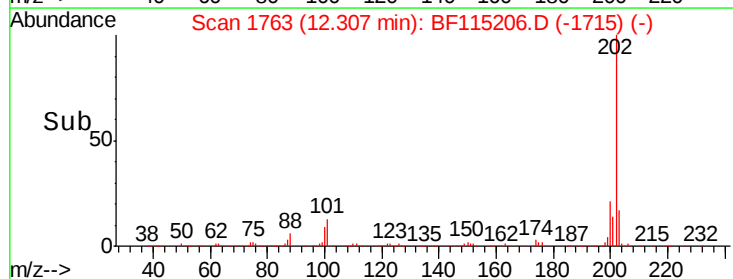
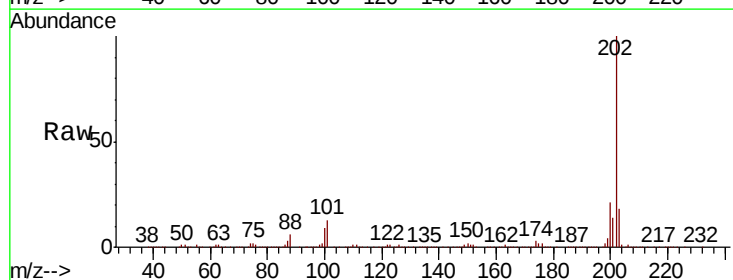
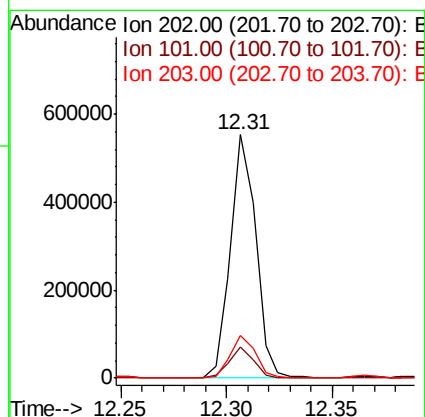
Manual Integrations
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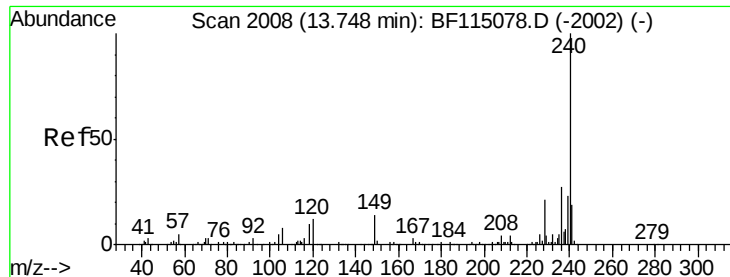
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#75
Fluoranthene
Concen: 13.229 ng
RT: 12.31 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.0
203	17.5	0.0	38.8





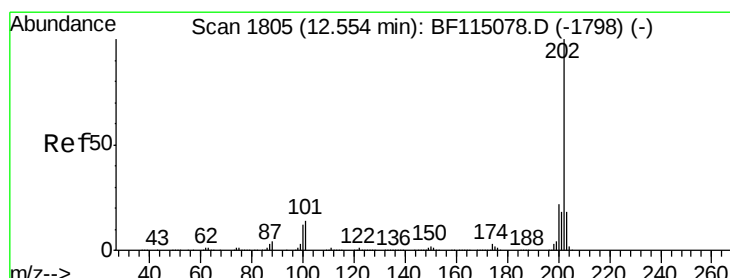
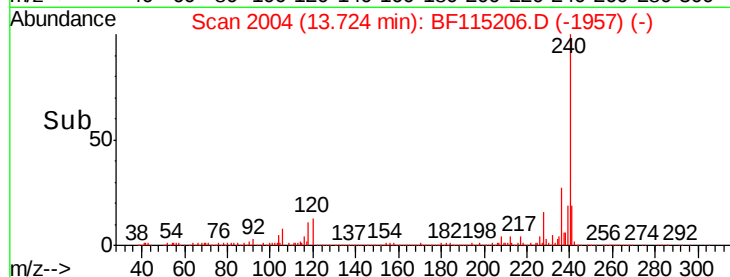
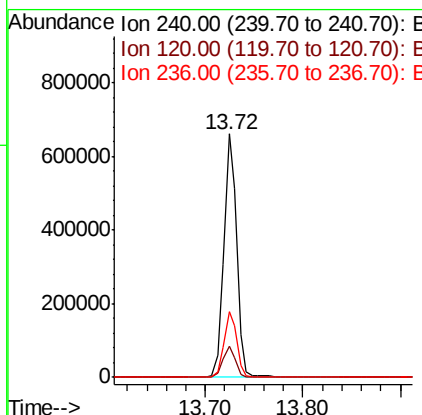
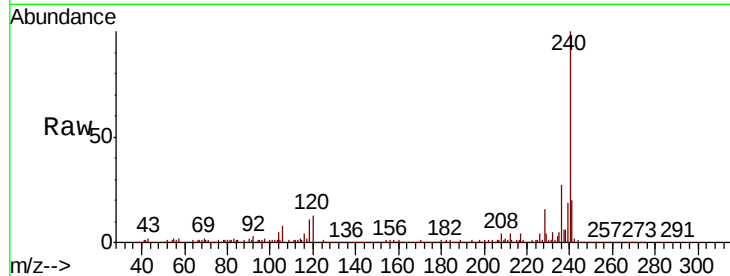
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampled :
CP-S5-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	599290		
120	12.8		9.4	14.2
236	26.8		21.7	32.5

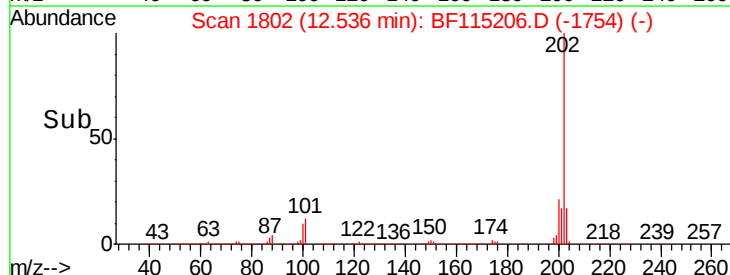
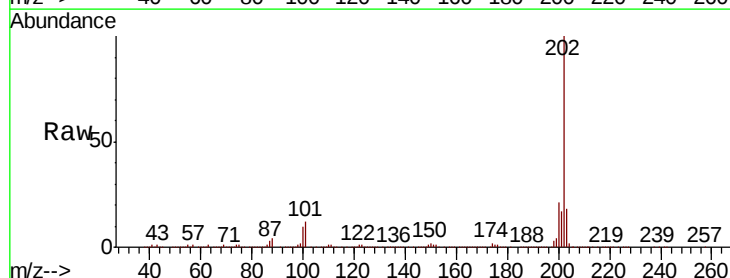
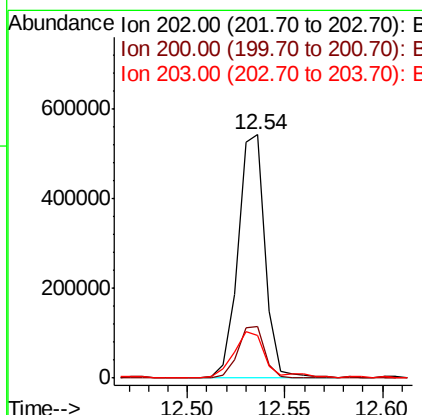
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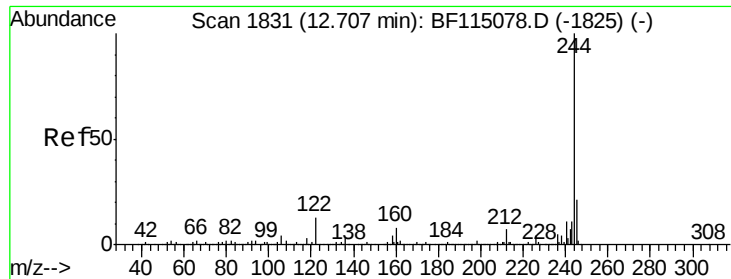
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#78
Pyrene
Concen: 11.184 ng
RT: 12.54 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	515098		
200	21.3		17.9	26.9
203	17.5		14.6	21.8





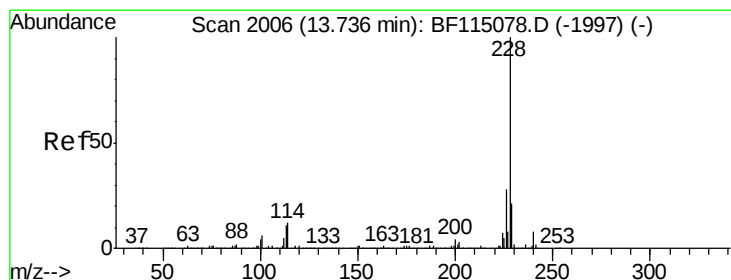
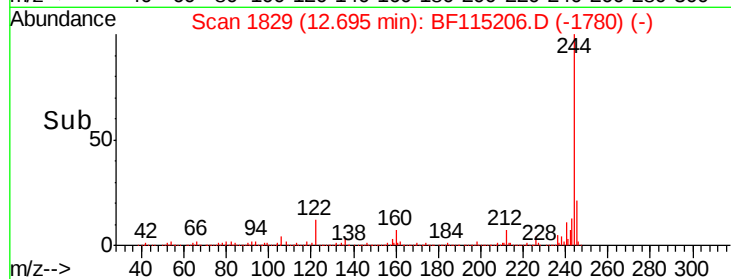
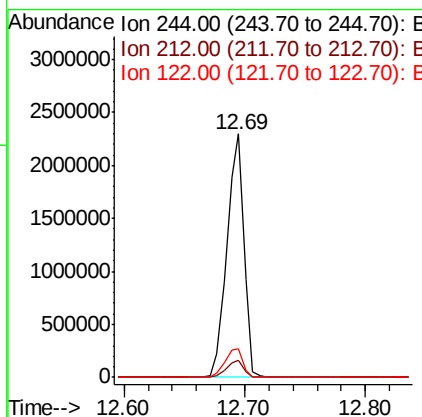
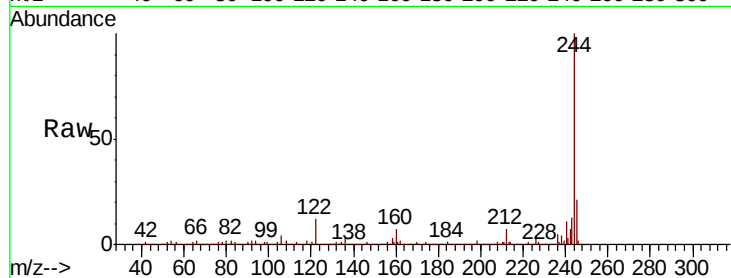
#79
 Terphenyl-d14
 Concen: 79.557 ng
 RT: 12.69 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CP-S5-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.6	10.4	15.6

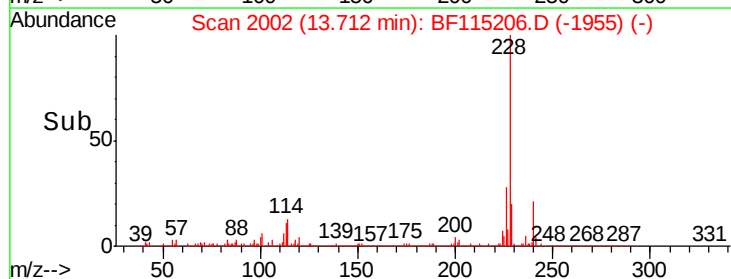
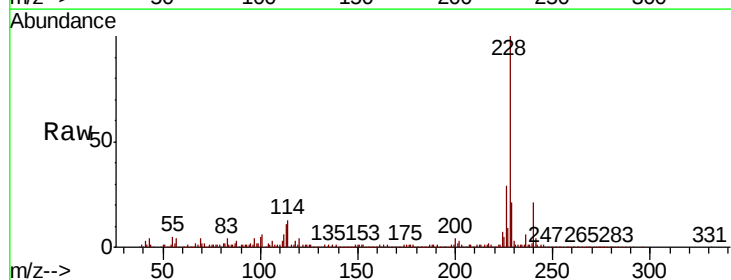
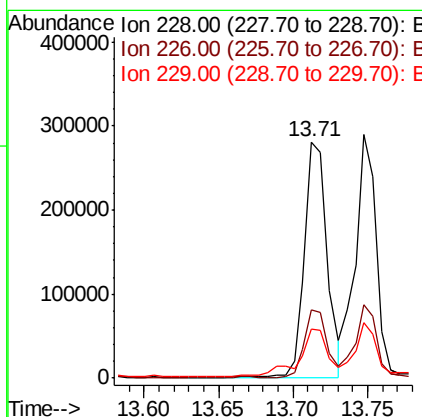
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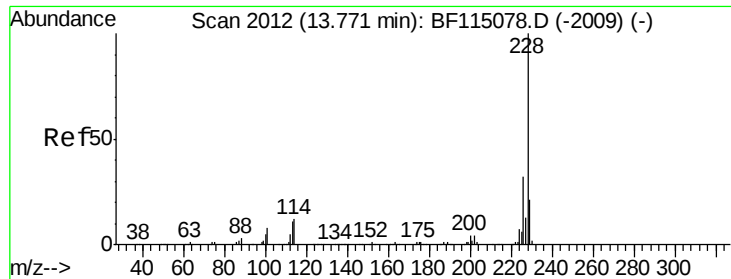
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#81
 Benzo(a)anthracene
 Concen: 6.911 ng
 RT: 13.71 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF115206.D
 Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	20.9	16.6	24.8





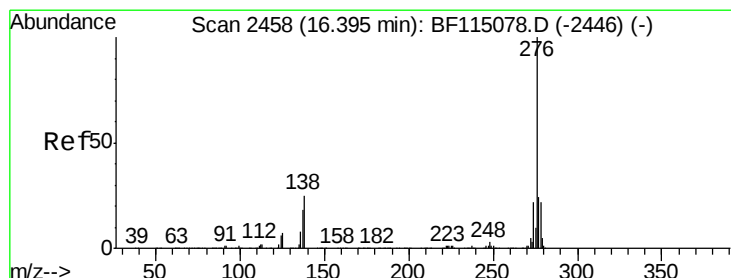
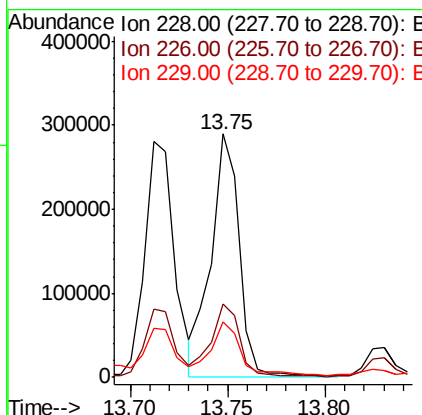
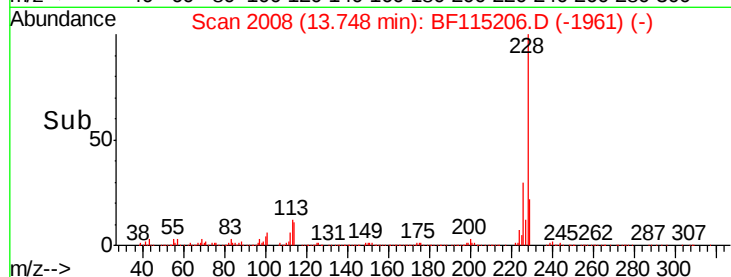
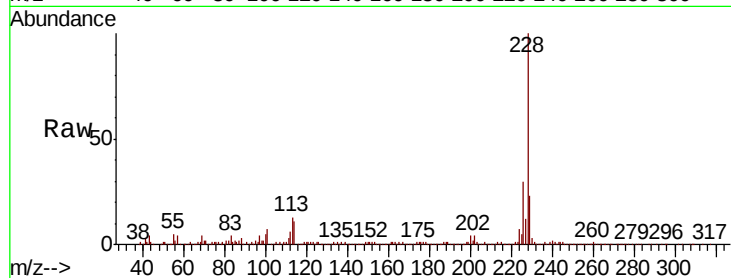
#83
Chrysene
Concen: 7.326 ng
RT: 13.75 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tot Ion:	228	Resp:	288581
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.0
229	22.9	16.5	24.7

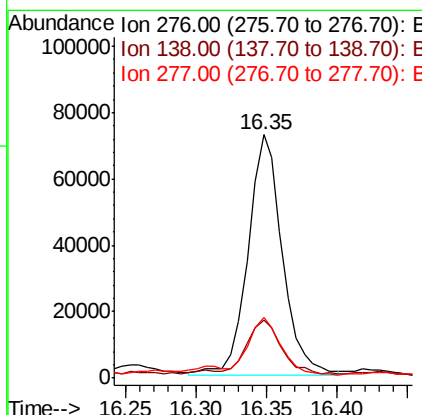
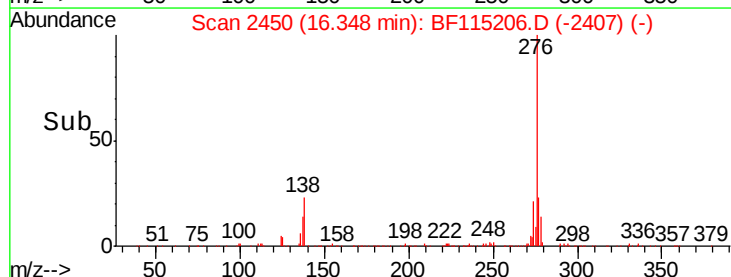
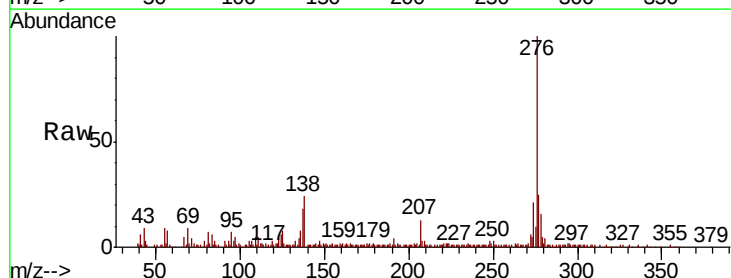
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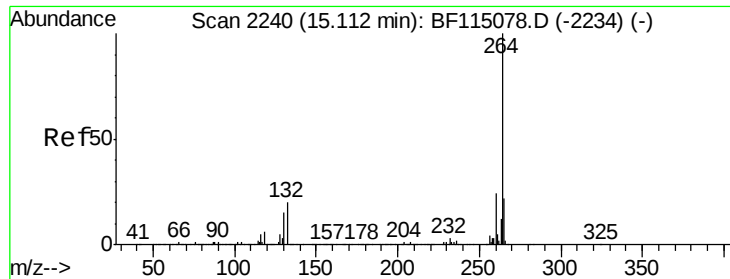
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.687 ng
RT: 16.35 min Scan# 2450
Delta R.T. -0.05 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion:	276	Resp:	125222
Ion Ratio	Lower	Upper	
276	100		
138	23.5	23.2	34.8
277	23.1	20.1	30.1





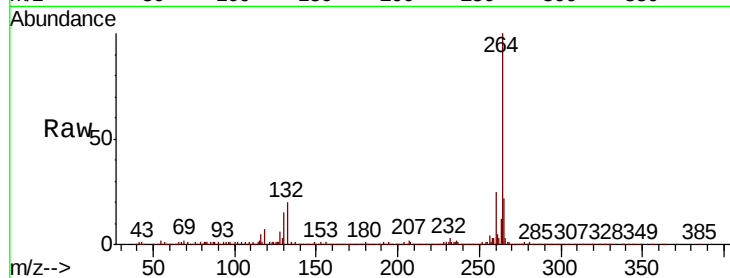
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.2	17.3	25.9

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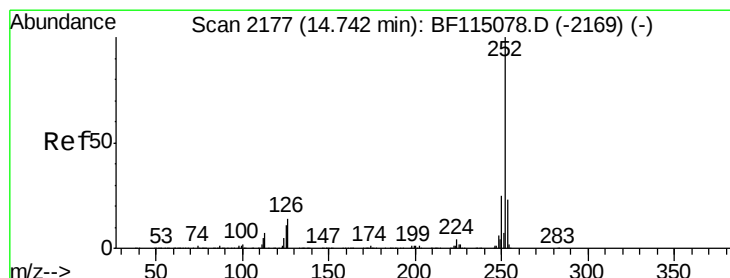
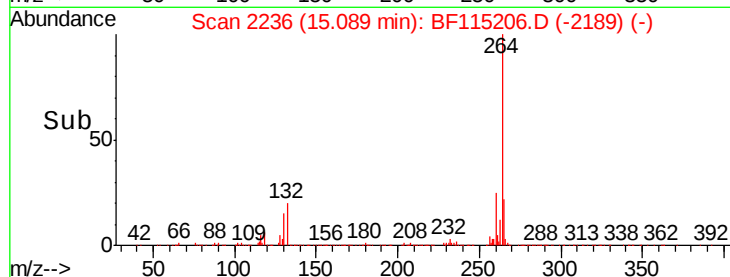
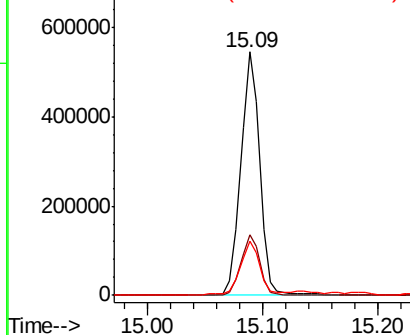


Abundance

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: 8.568 ng m
RT: 14.71 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

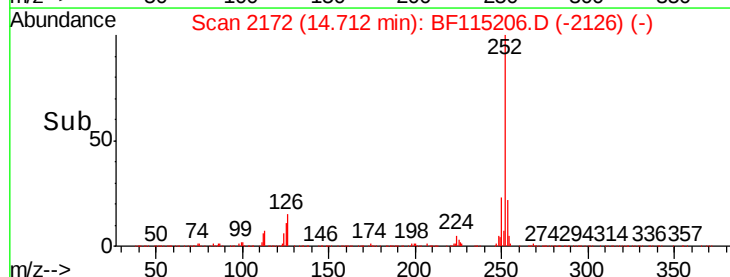
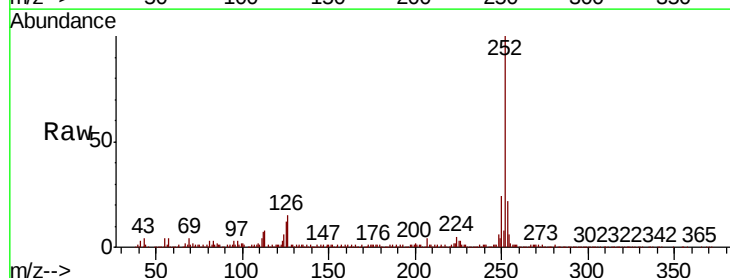
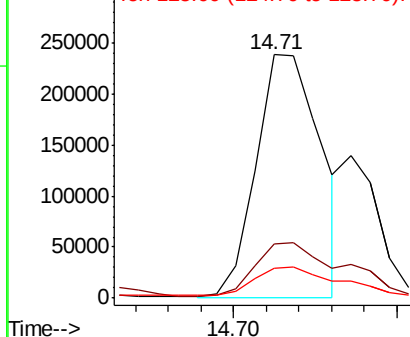
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.4	8.7	13.1

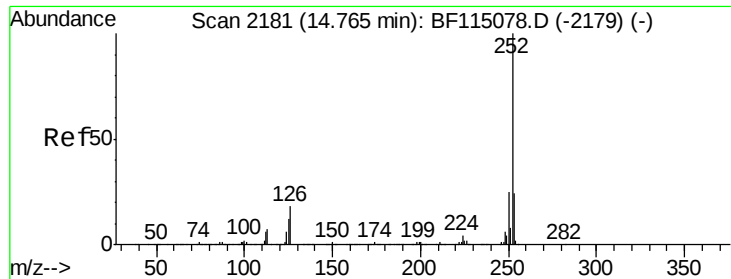
Abundance

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





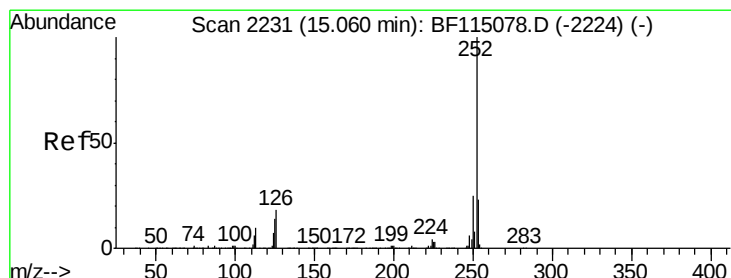
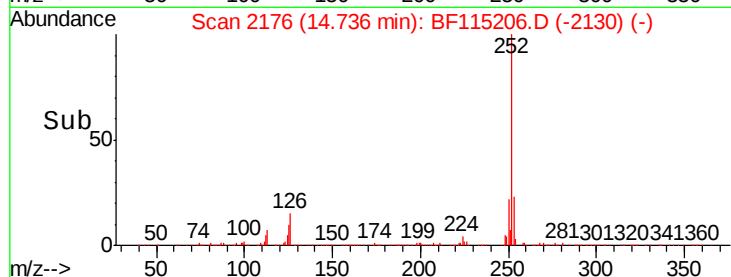
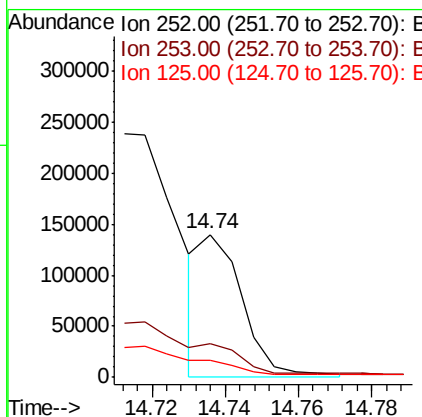
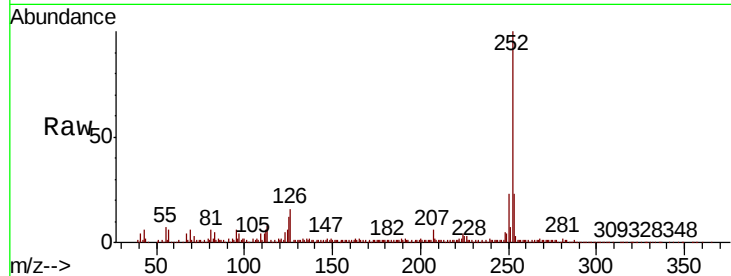
#89
Benzo(k)fluoranthene
Concen: 3.220 ng m
RT: 14.74 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.9	28.3
125	12.1	10.2	15.2

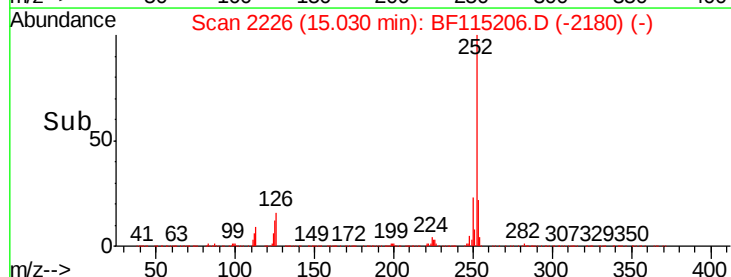
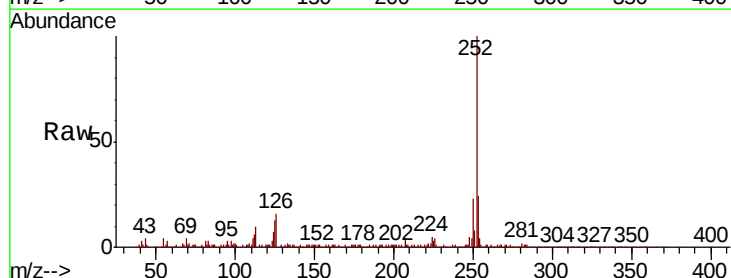
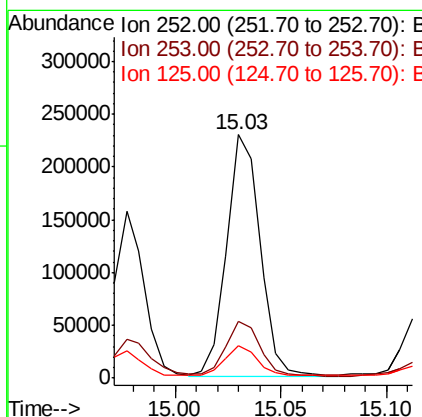
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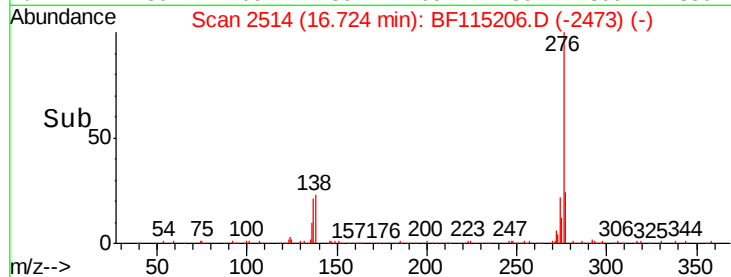
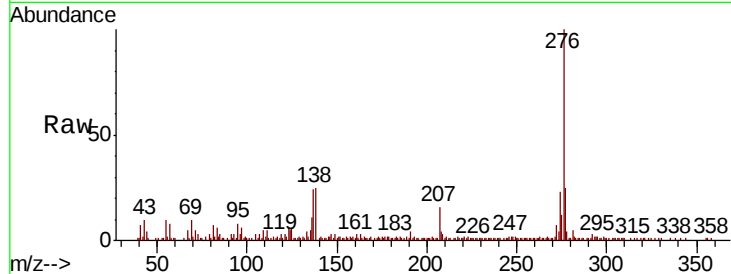
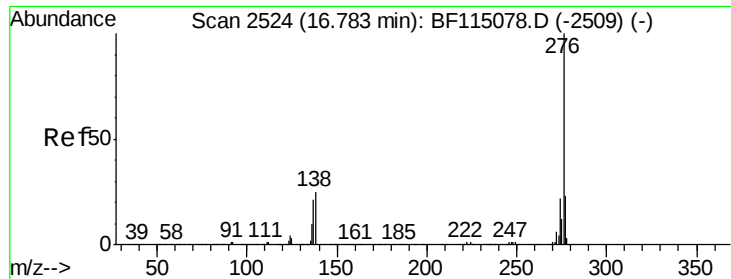
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#90
Benzo(a)pyrene
Concen: 7.249 ng
RT: 15.03 min Scan# 2226
Delta R.T. -0.03 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	13.2	10.9	16.3





#92
Benzo(a,h,i)perylene
Concen: 3.329 ng
RT: 16.72 min Scan# 2514
Delta R.T. -0.06 min
Lab File: BF115206.D
Acq: 25 Jun 2019 23:45

Tot Ion:	276	Resp:	109175
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	25.1	19.8	29.6

Instrument :
BNA_F
ClientSampleId :
CP-S5-SOIL

Manual Integrations
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