

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117166.D
 Acq On : 19 Sep 2019 00:54
 Operator : HP/JU
 Sample : K4938-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MG-SE-SOIL

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:17 AM

Quant Time: Sep 19 08:25:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39398	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	266716	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	138628	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	236668	20.00	ng	0.00
76) Chrysene-d12	13.96	240	120604	20.00	ng	-0.01
87) Perylene-d12	15.41	264	115269	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	312987	124.03	ng	0.00
7) Phenol-d6	6.46	99	398377	122.15	ng	0.00
23) Nitrobenzene-d5	7.38	82	243325	47.93	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	127253	109.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	589840	66.53	ng	0.00
79) Terphenyl-d14	12.91	244	533901	82.75	ng	0.00
Target Compounds						
10) Phenol	6.47	94	18805	5.230	ng	Qvalue 90
50) Dimethylphthalate	9.56	163	154634	15.754	ng	98
71) Phenanthrene	11.36	178	88419	6.578	ng	98
75) Fluoranthene	12.54	202	168872	12.226	ng	97
78) Pyrene	12.77	202	148420	14.667	ng	99
81) Benzo(a)anthracene	13.95	228	29079m	3.609	ng	
83) Chrysene	13.99	228	46264	5.887	ng	96
86) Indeno(1,2,3-cd)pyrene	16.84	276	32546	5.676	ng	95
88) Benzo(b)fluoranthene	14.99	252	48602m	6.961	ng	
89) Benzo(k)fluoranthene	15.02	252	19720m	2.982	ng	
90) Benzo(a)pyrene	15.34	252	30897	5.043	ng	96
92) Benzo(a,h,i)perylene	17.28	276	31491	6.474	ng	# 94

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

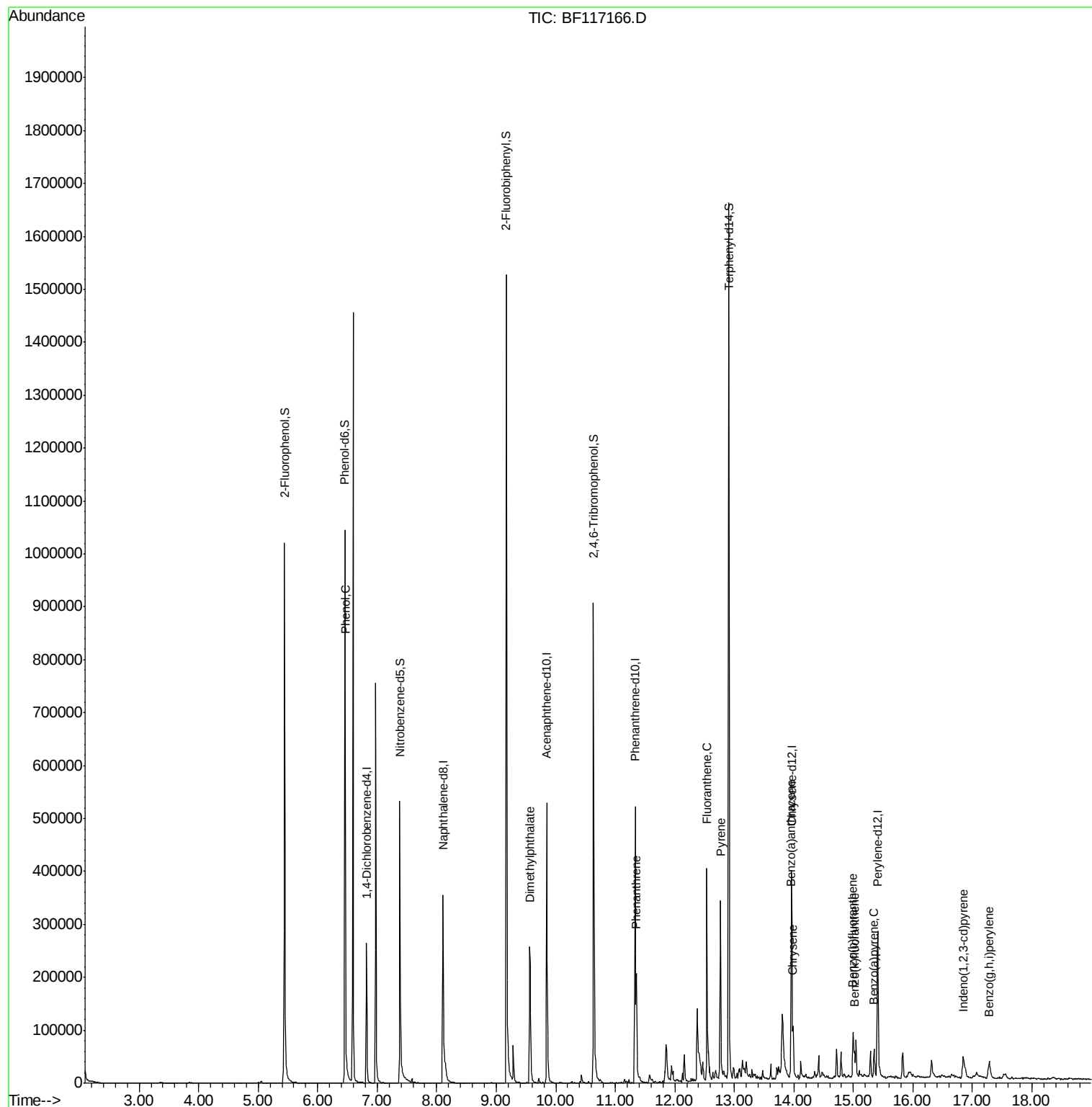
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
Data File : BF117166.D
Acq On : 19 Sep 2019 00:54
Operator : HP/JU
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#1

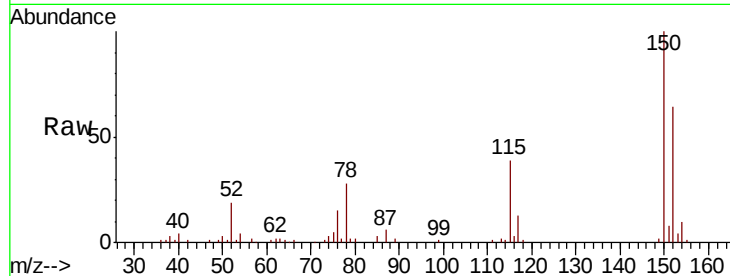
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :
MG-SE-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.5	191.3
115	60.2	55.0	82.4

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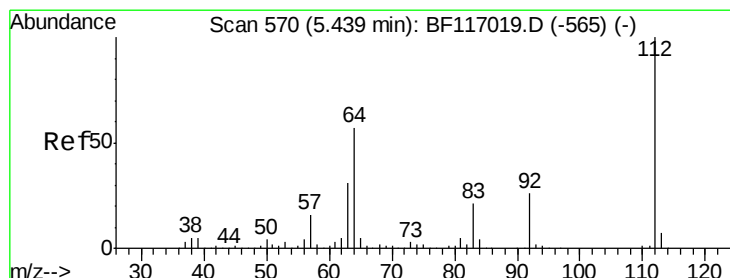
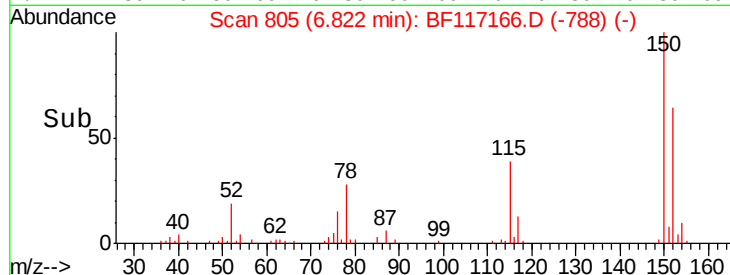
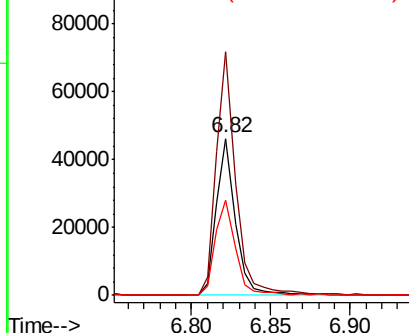


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

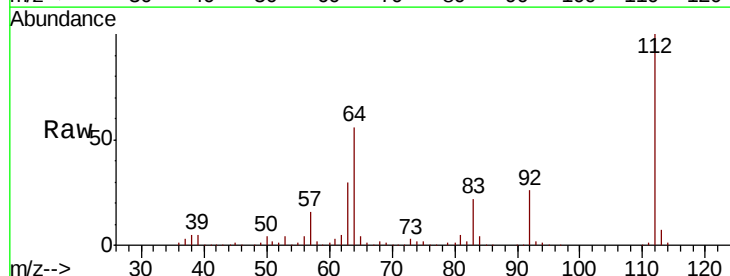
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.029 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	30.3	24.9	37.3

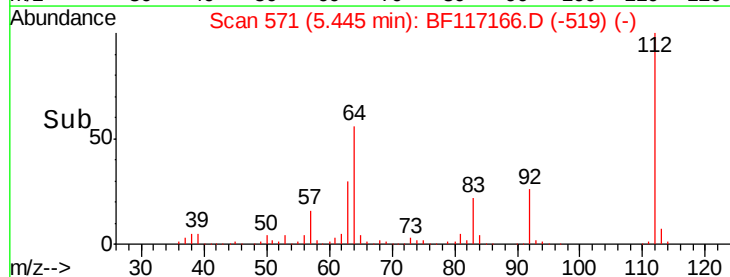
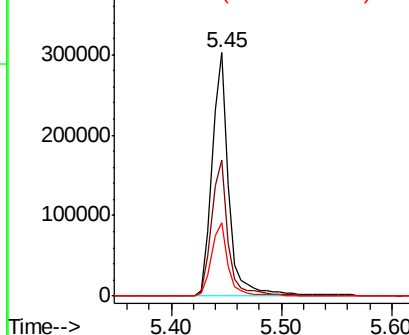


Abundance

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: 122.154 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

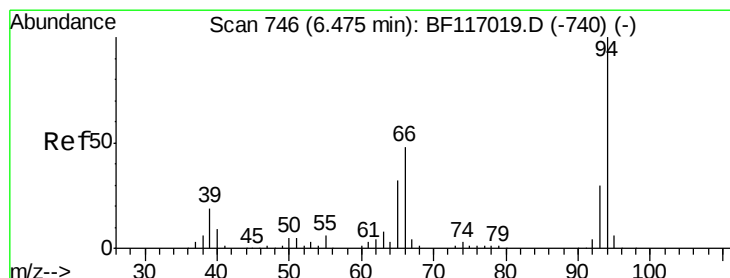
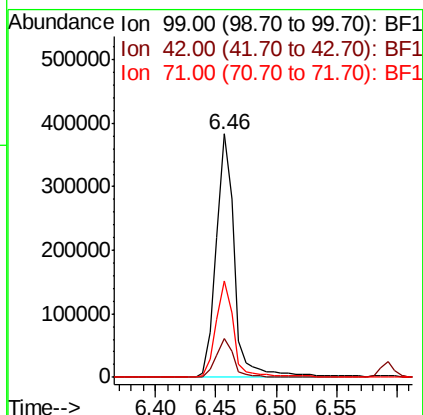
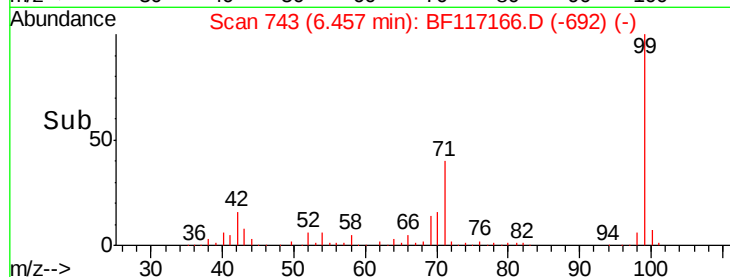
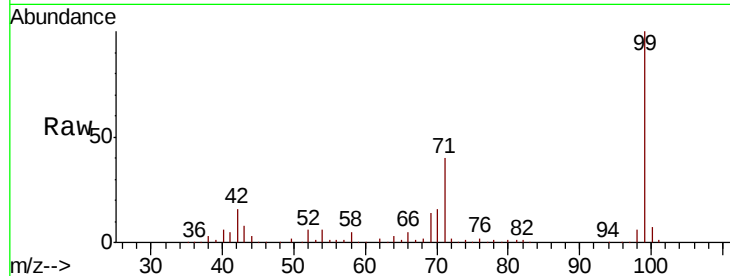
ClientSampled :

MG-SE-SOIL

Tot Ion:	99	Resp:	398377
Ion Ratio	Lower	Upper	
99	100		
42	15.7	12.2	18.2
71	39.5	29.8	44.8

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#10

Phenol

Concen: 5.230 ng

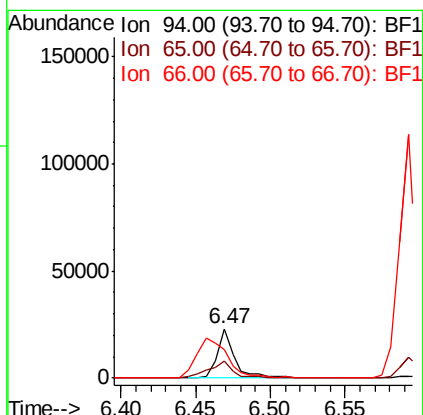
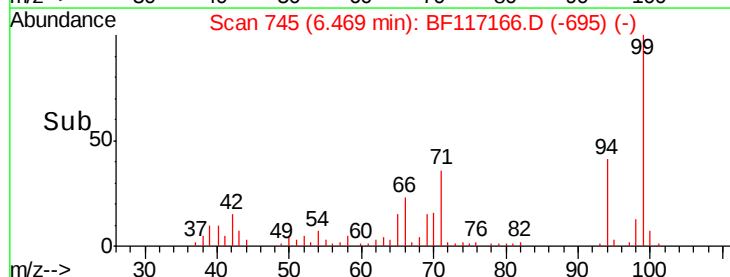
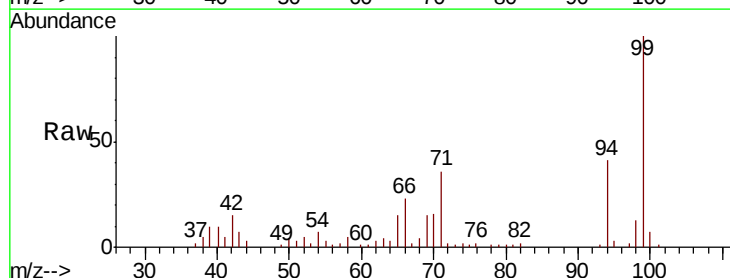
RT: 6.47 min Scan# 745

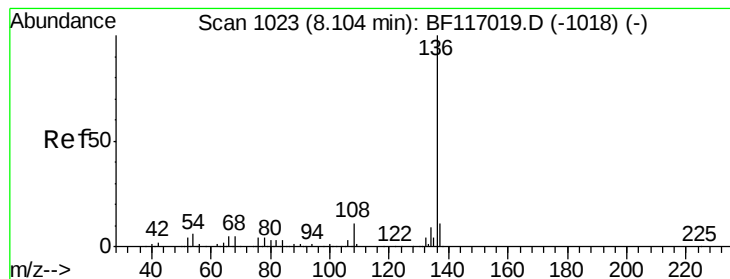
Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Tgt Ion:	94	Resp:	18805
Ion Ratio	Lower	Upper	
94	100		
65	35.5	12.5	52.5
66	57.3	28.9	68.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

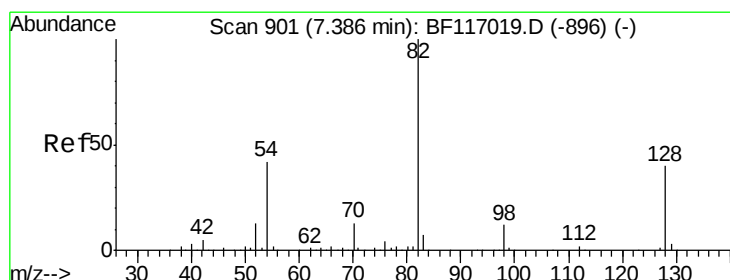
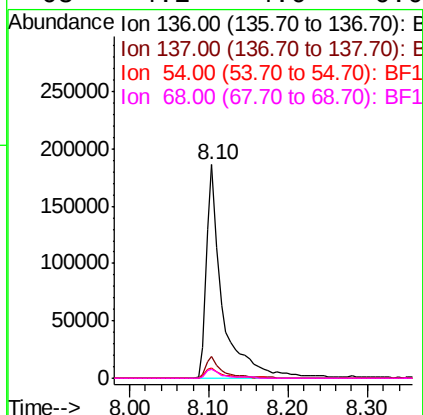
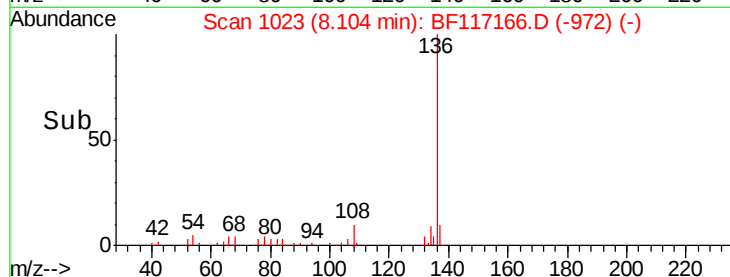
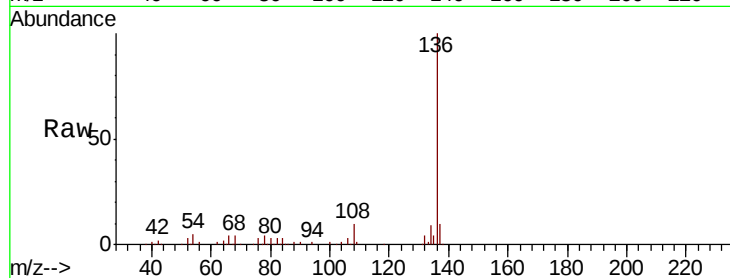
ClientSampleId :

MG-SE-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	266716		
137	10.3		9.0	13.4
54	5.1		4.5	6.7
68	4.2		4.0	6.0

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#23

Nitrobenzene-d5

Concen: 47.934 ng

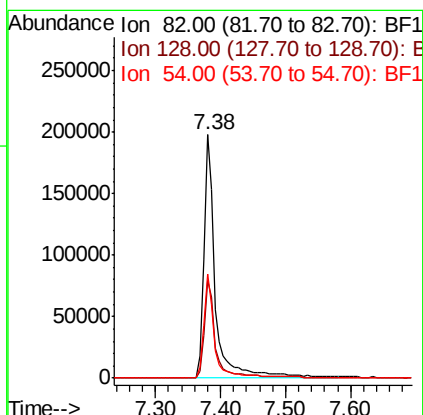
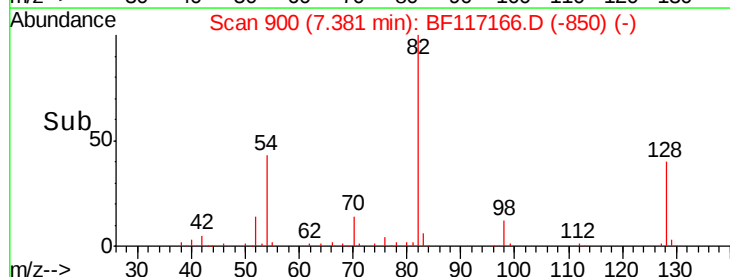
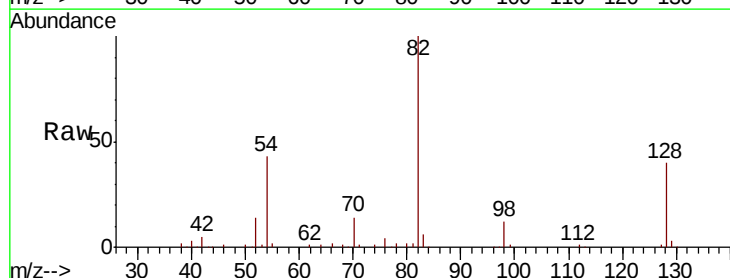
RT: 7.38 min Scan# 900

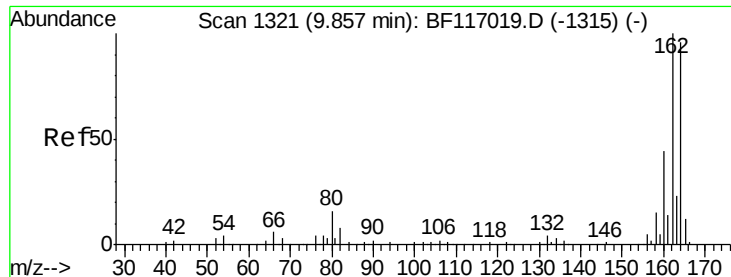
Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	243325		
128	39.9		32.3	48.5
54	43.0		33.3	49.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampleId :

MG-SE-SOIL

Tot Ion:164 Resp: 138628

Ion Ratio Lower Upper

164 100

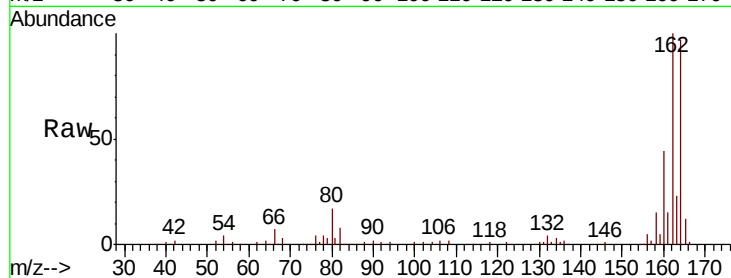
162 103.2 83.4 125.2

160 45.4 36.4 54.6

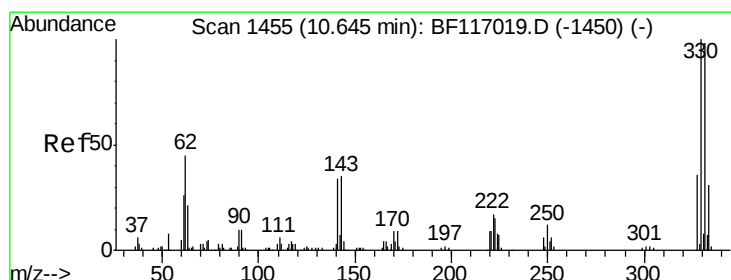
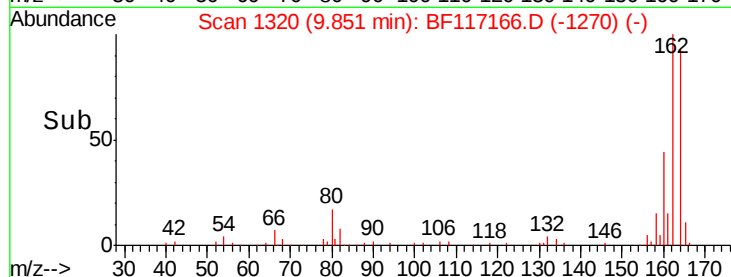
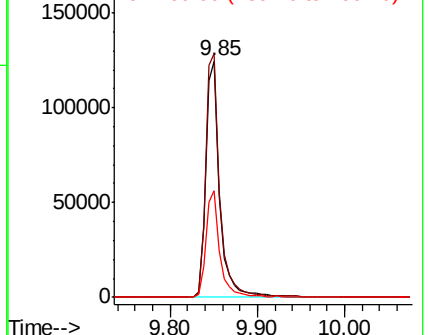
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 109.832 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

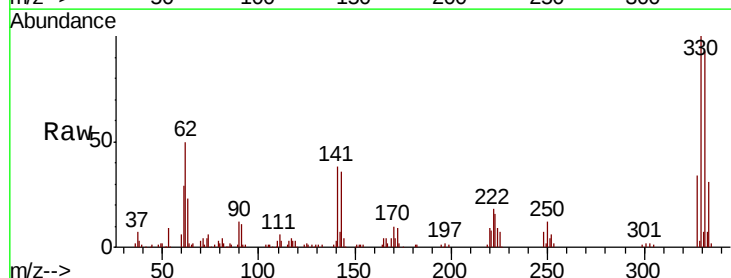
Tgt Ion:330 Resp: 127253

Ion Ratio Lower Upper

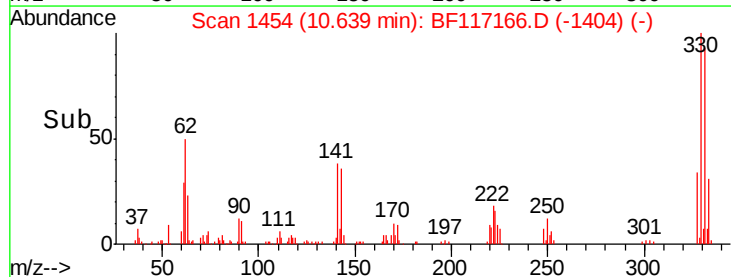
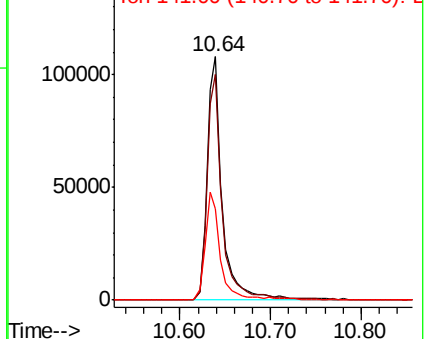
330 100

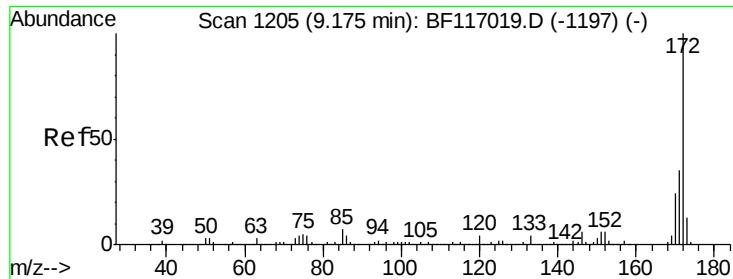
332 93.9 78.0 117.0

141 44.3 35.8 53.6



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





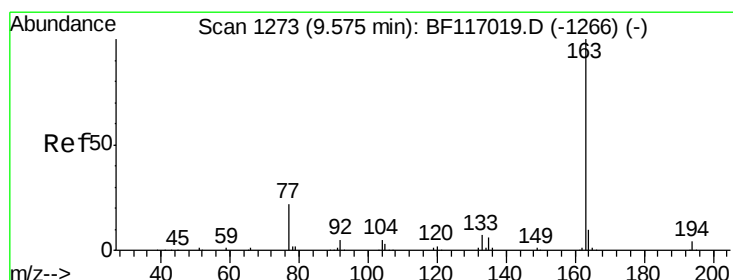
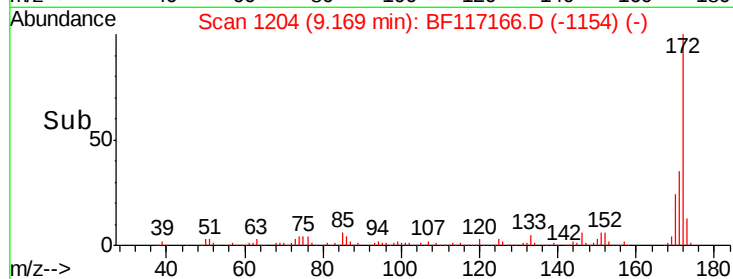
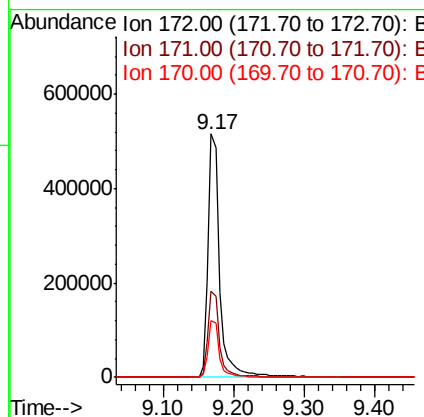
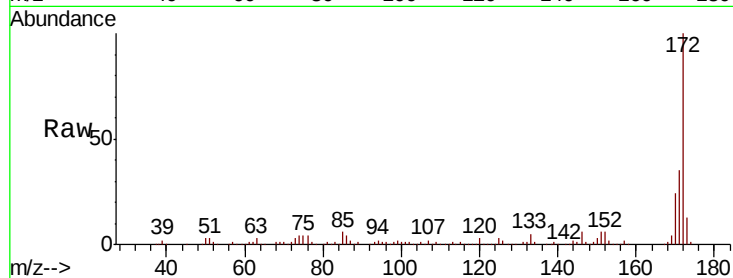
#45
2-Fluorobiphenyl
Concen: 66.528 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :
MG-SE-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	28.2	42.2	
170	23.5	18.9	28.3	

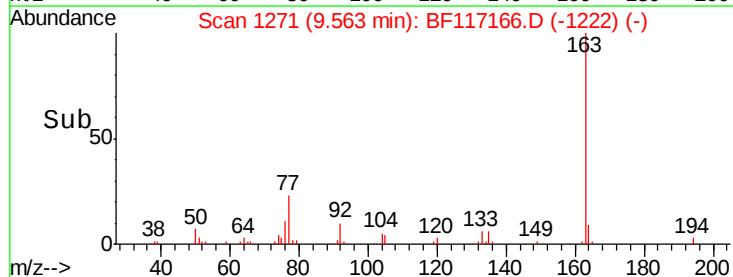
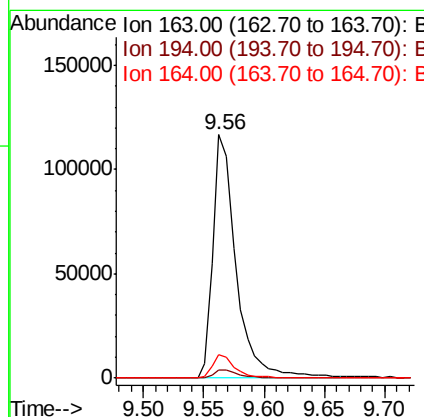
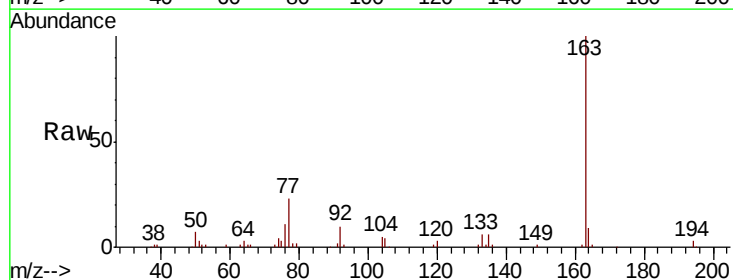
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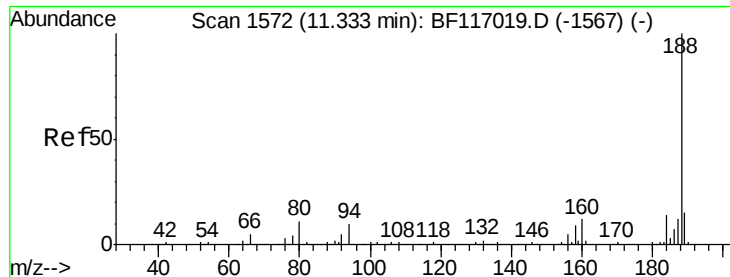
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#50
Dimethylphthalate
Concen: 15.754 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.9	4.3	
164	9.5	8.2	12.4	





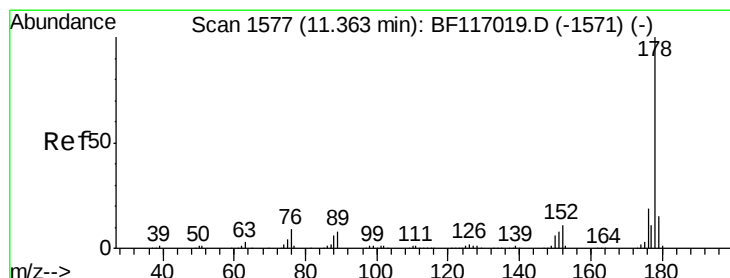
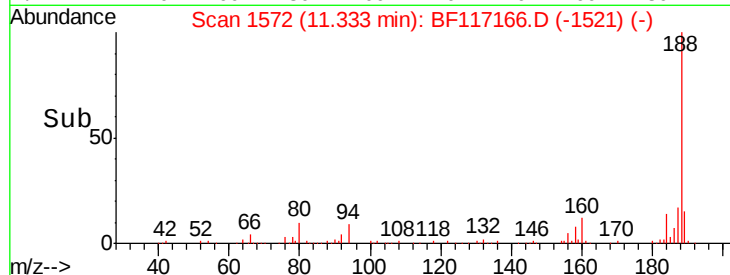
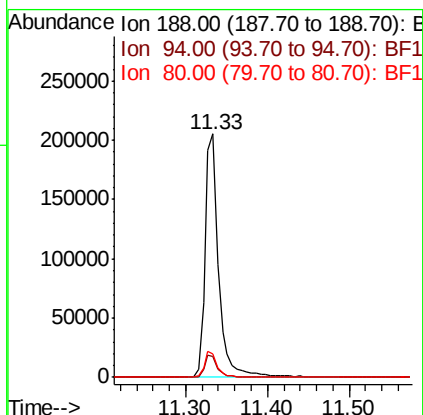
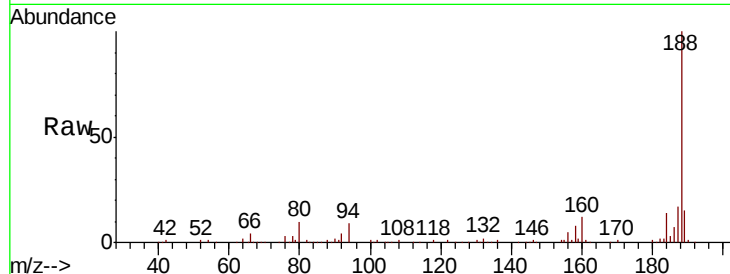
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Instrument :
 BNA_F
 ClientSampled :
 MG-SE-SOIL

Tot Ion:	188	Resp:	236668
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.2	12.2
80	9.8	9.0	13.6

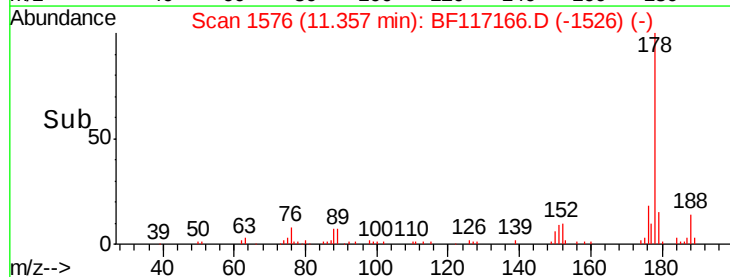
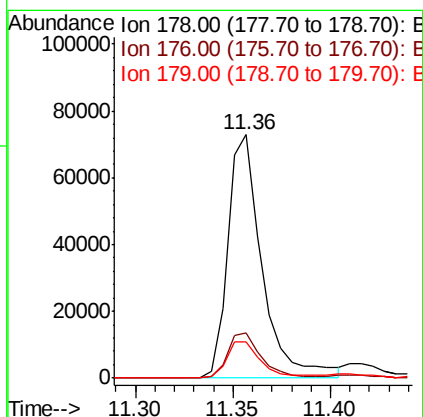
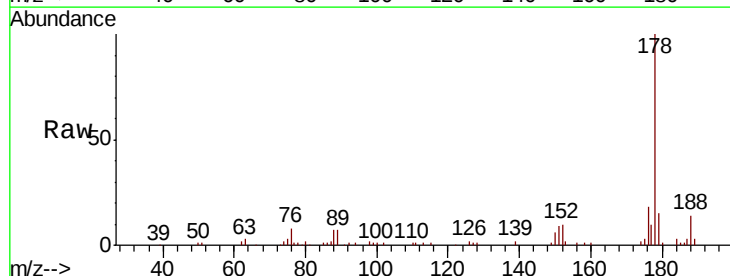
Manual Integrations
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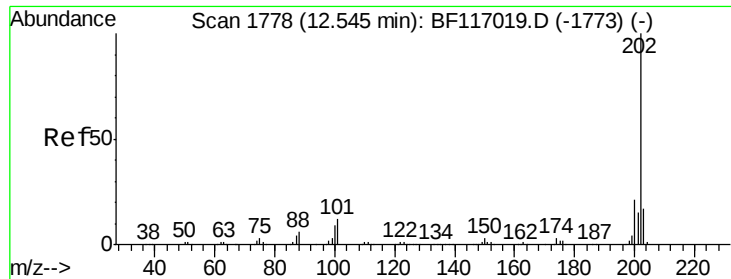
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#71
 Phenanthrene
 Concen: 6.578 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Tgt Ion:	178	Resp:	88419
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	15.0	12.4	18.6





#75

Fluoranthene

Concen: 12.226 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

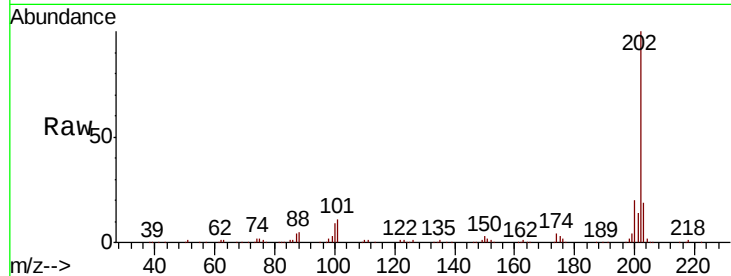
ClientSampleId :

MG-SE-SOIL

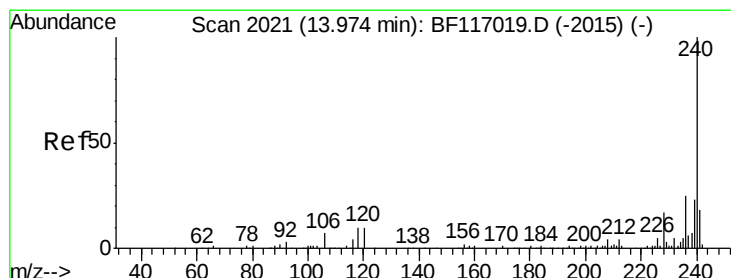
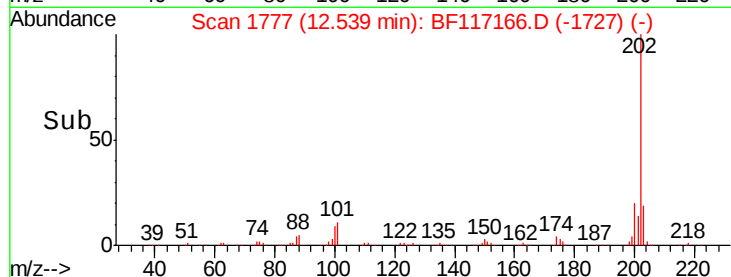
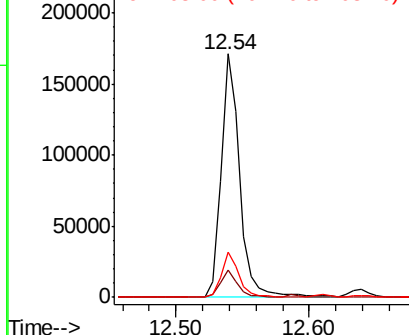
Tot Ion:	202	Resp:	168872
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	32.3
203	18.6	0.0	37.1

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

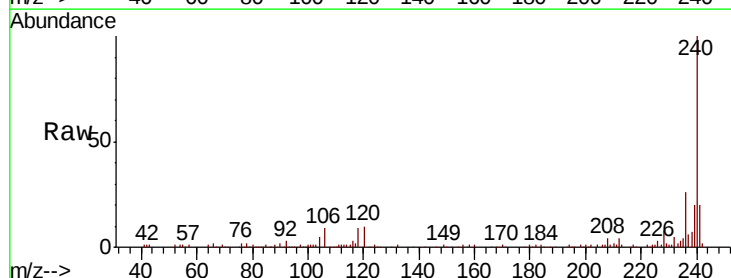
RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

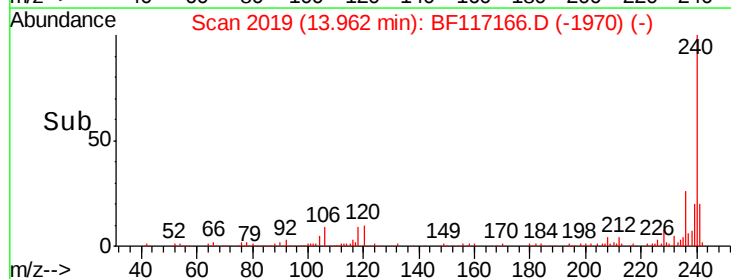
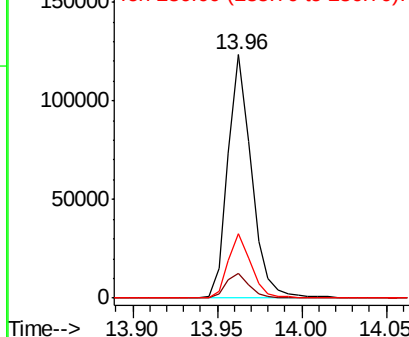
Lab File: BF117166.D

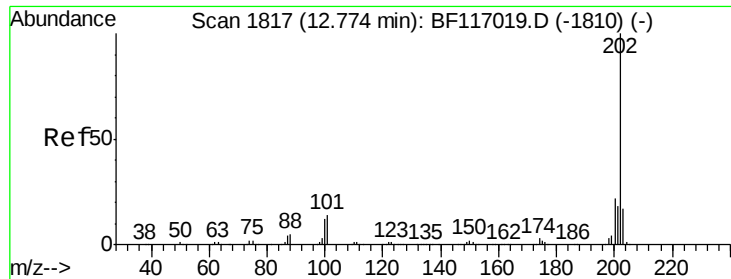
Acq: 19 Sep 2019 00:54

Tgt Ion:	240	Resp:	120604
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.3	12.5
236	26.3	20.3	30.5



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





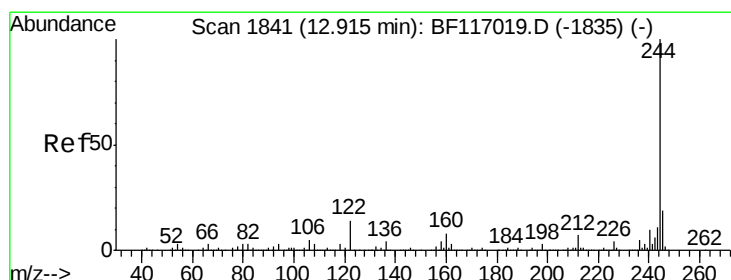
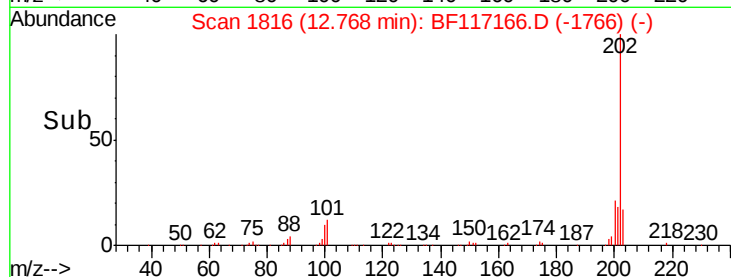
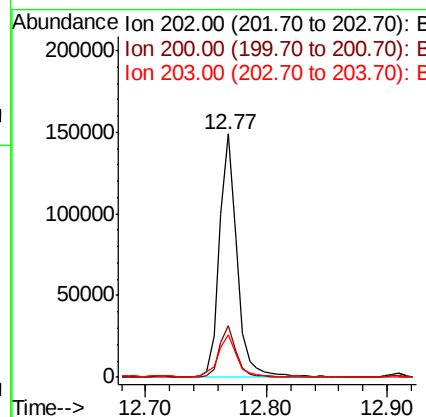
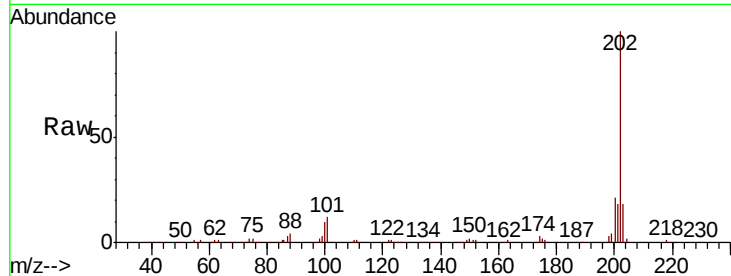
#78
Pvrene
Concen: 14.667 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :
MG-SE-SOIL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.7	14.0	21.0

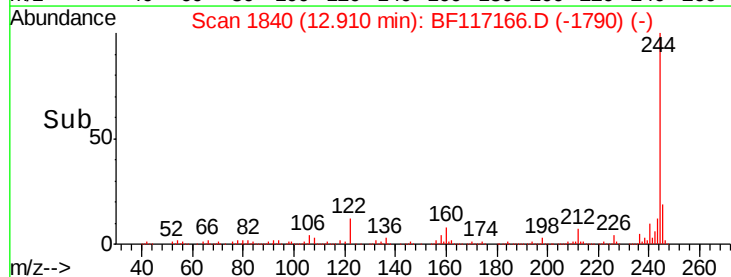
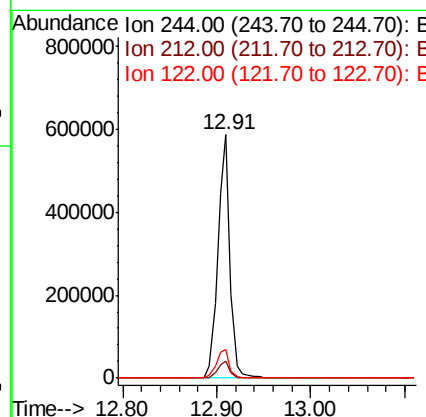
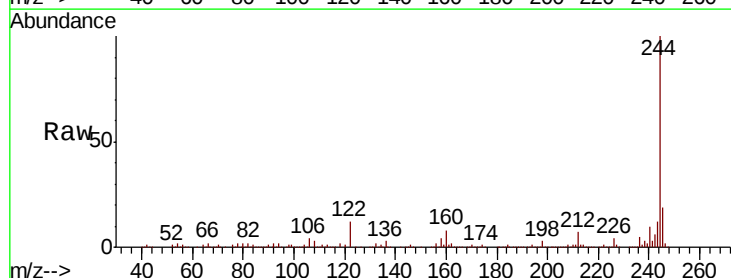
Manual Integrations
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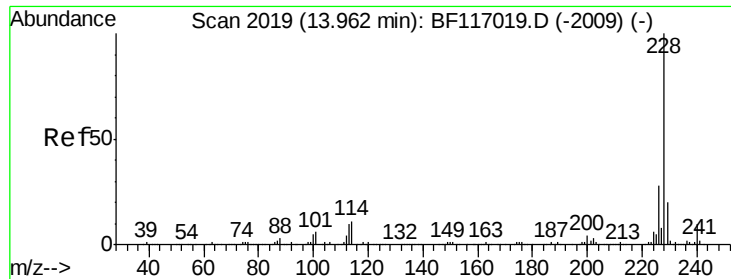
Jagrut
9/19/2019 10:42:17 AM



#79
Terphenyl-d14
Concen: 82.748 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.6	11.3	16.9





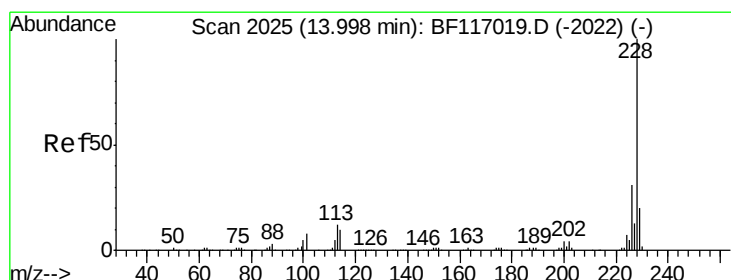
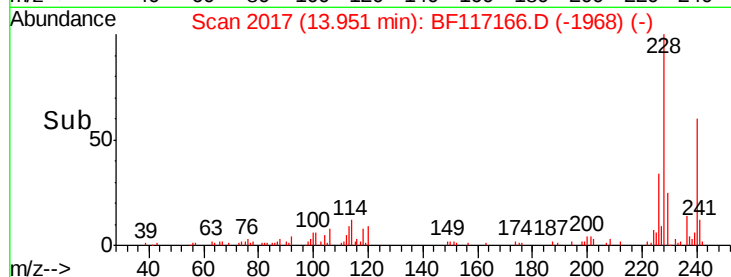
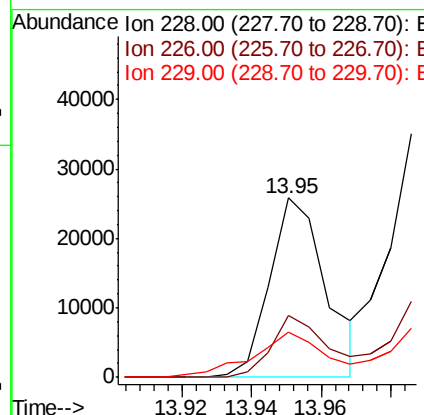
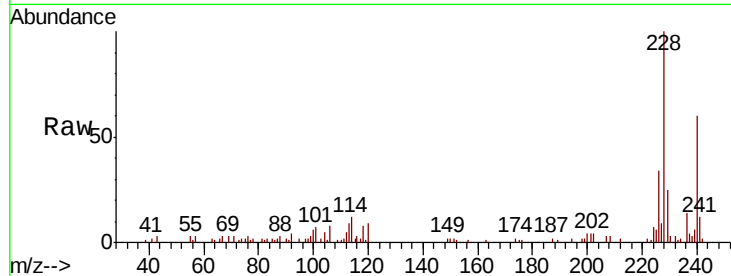
#81
Benzo(a)anthracene
Concen: 3.609 ng m
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :
MG-SE-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.3	33.5
229	25.1	15.9	23.9

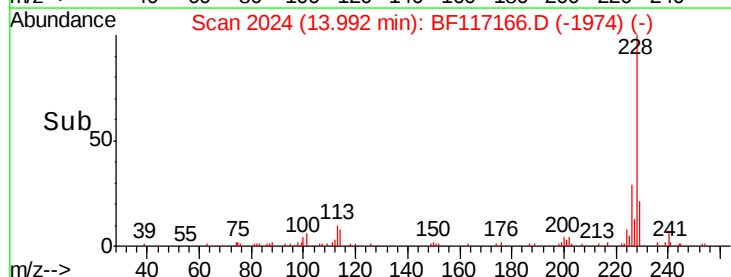
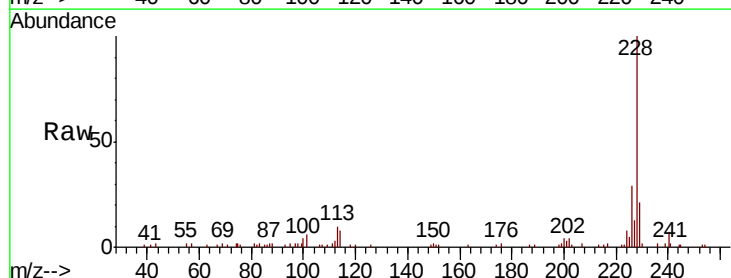
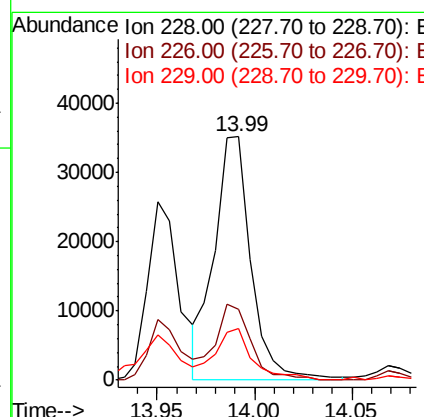
Manual Integrations
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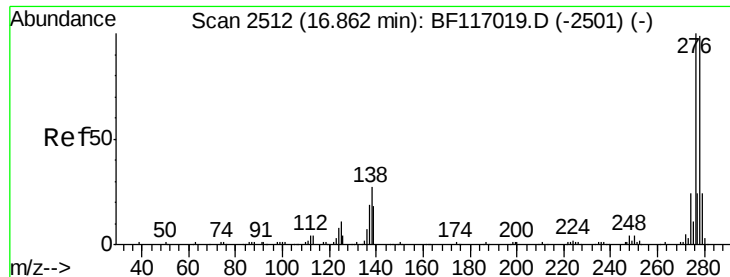
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#83
Chrysene
Concen: 5.887 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.8	37.2
229	21.4	15.8	23.8





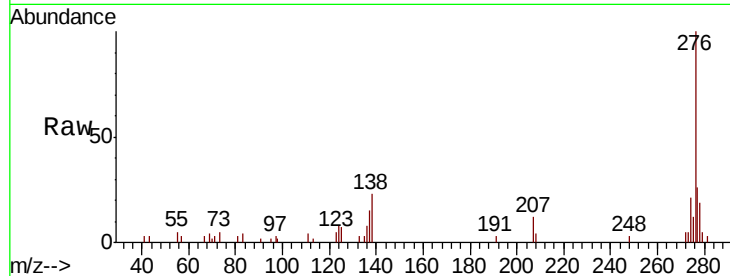
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.676 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. -0.02 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :
 MG-SE-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.7	31.1
277	25.0	19.8	29.8

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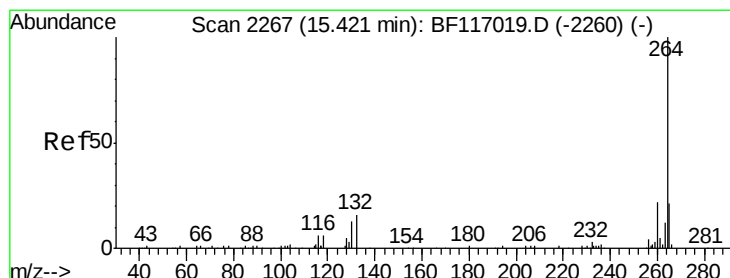
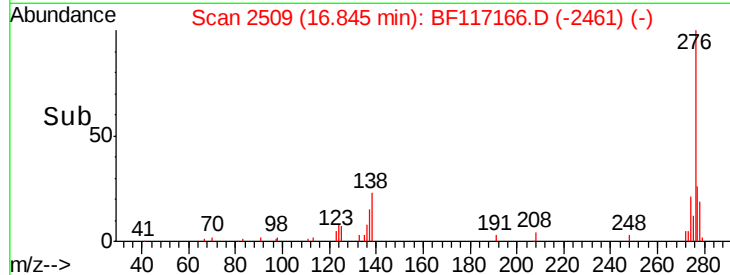
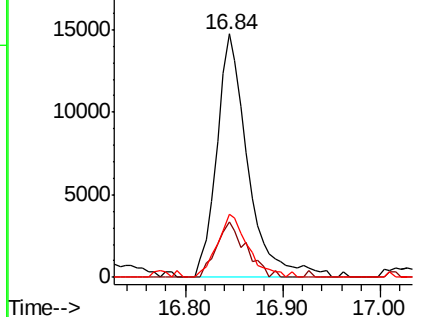


Abundance

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: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

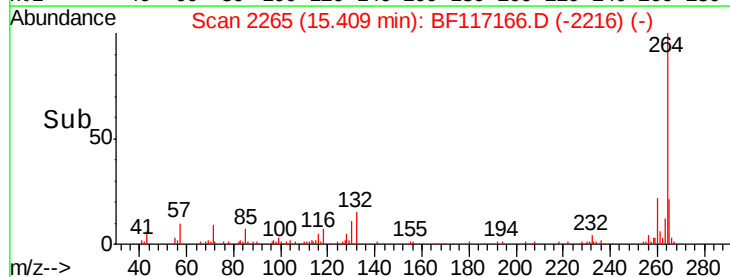
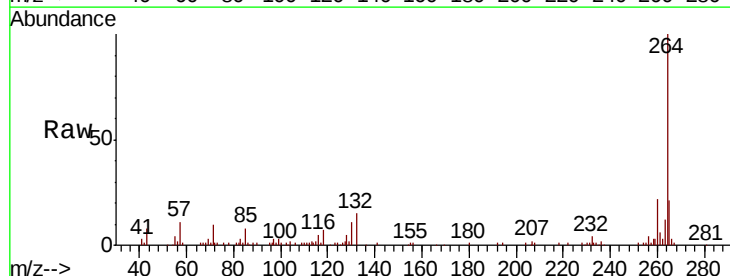
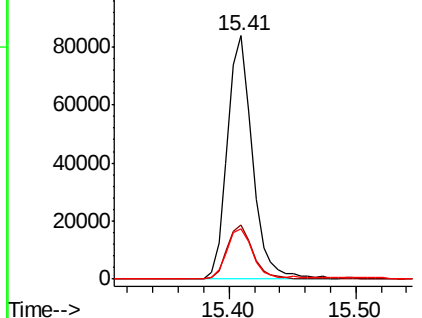
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.6	26.4
265	20.8	16.6	24.8

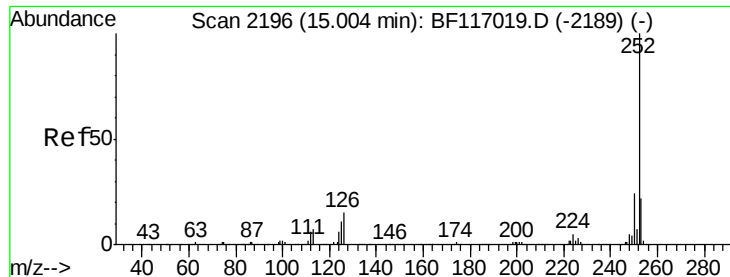
Abundance

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





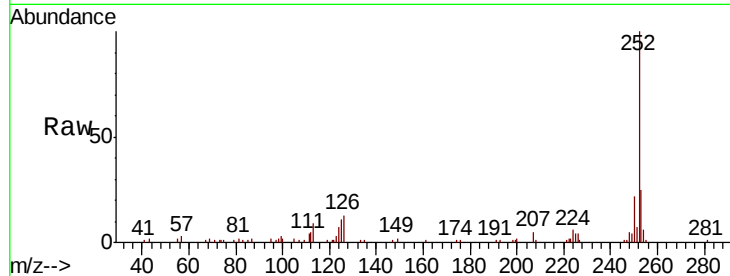
#88
Benzo(b)fluoranthene
Concen: 6.961 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :
MG-SE-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	10.7	8.6	12.8

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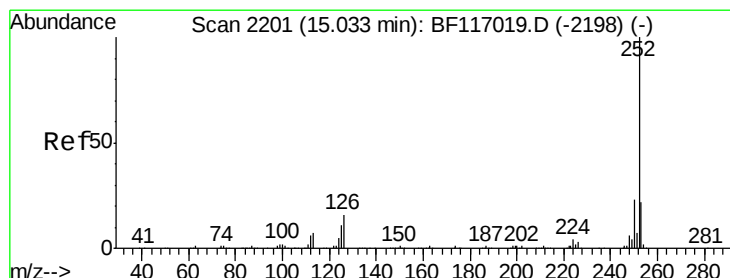
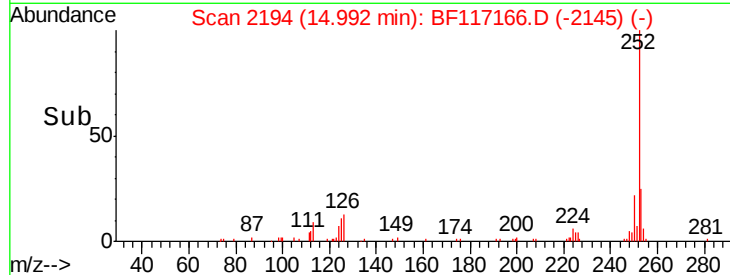
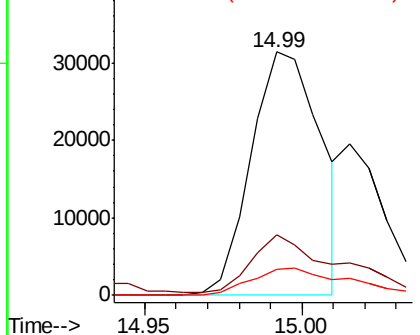


Abundance

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: 2.982 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

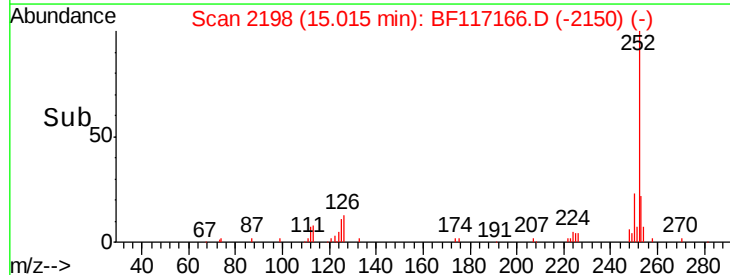
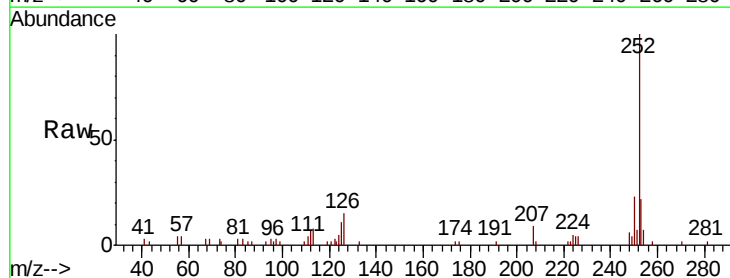
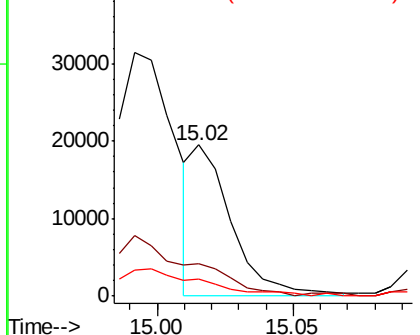
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	11.0	8.8	13.2

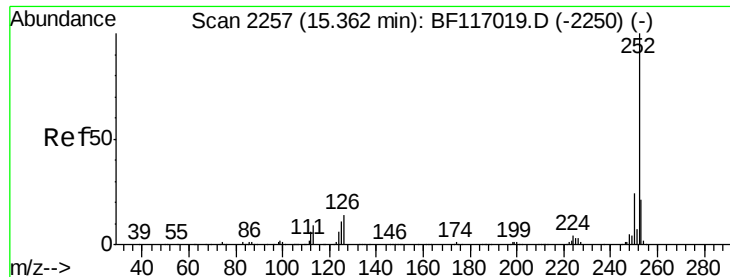
Abundance

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





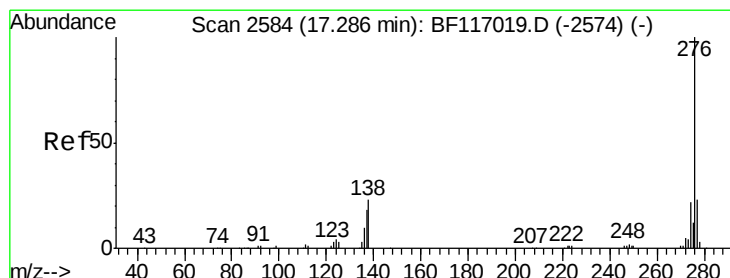
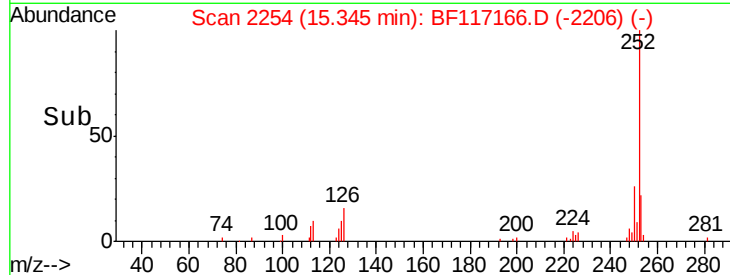
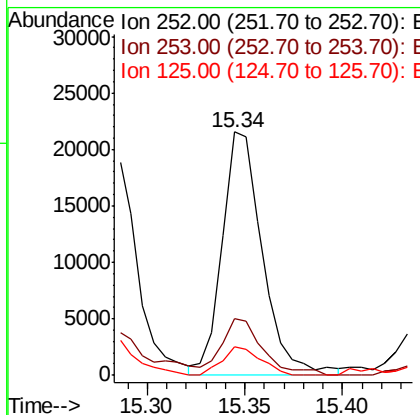
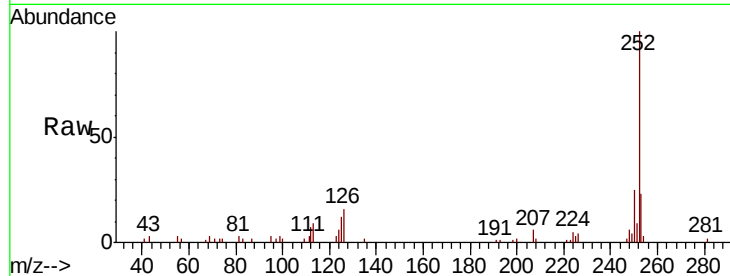
#90
Benzo(a)pyrene
Concen: 5.043 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :
MG-SE-SOIL

Tot Ion:	252	Resp:	30897
Ion Ratio	Lower	Upper	
252	100		
253	23.2	16.6	25.0
125	11.6	8.9	13.3

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#92
Benzo(g,h,i)perylene
Concen: 6.474 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion:	276	Resp:	31491
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	27.8
138	27.8	18.0	27.0#

