

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118077.D
 Acq On : 3 Dec 2019 22:12
 Operator : JU
 Sample : K6076-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-BIN-5-SOIL-PILE

Manual Integrations
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 12/4/2019 5:01:57 PM

Quant Time: Dec 04 01:37:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	141541	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	528986	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	263239	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	451531	20.00	ng	0.00
76) Chrysene-d12	14.07	240	302806	20.00	ng	0.00
87) Perylene-d12	15.57	264	355516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	850543	106.37	ng	0.00
7) Phenol-d6	6.50	99	1043656	108.21	ng	0.00
23) Nitrobenzene-d5	7.44	82	638745	71.78	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	306398	109.94	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1127130	76.82	ng	0.00
79) Terphenyl-d14	13.01	244	1015056	61.26	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	202547	10.973	ng	99
71) Phenanthrene	11.44	178	321699	14.171	ng	100
72) Anthracene	11.49	178	91111	4.048	ng	99
75) Fluoranthene	12.64	202	603508	26.020	ng	98
78) Pyrene	12.87	202	522141	21.337	ng	100
81) Benzo(a)anthracene	14.06	228	269744	13.481	ng	98
83) Chrysene	14.09	228	257517	13.281	ng	96
84) Bis(2-ethylhexyl)phthalate	14.04	149	70673	5.546	ng	98
86) Indeno(1,2,3-cd)pyrene	17.07	276	160896	9.750	ng	95
88) Benzo(b)fluoranthene	15.13	252	398895m	17.270	ng	
89) Benzo(k)fluoranthene	15.15	252	114892m	5.279	ng	
90) Benzo(a)pyrene	15.50	252	263457	12.971	ng	98
91) Dibenzo(a,h)anthracene	17.09	278	42578	2.436	ng	# 79
92) Benzo(a,h,i)perylene	17.54	276	144783	8.315	ng	98

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

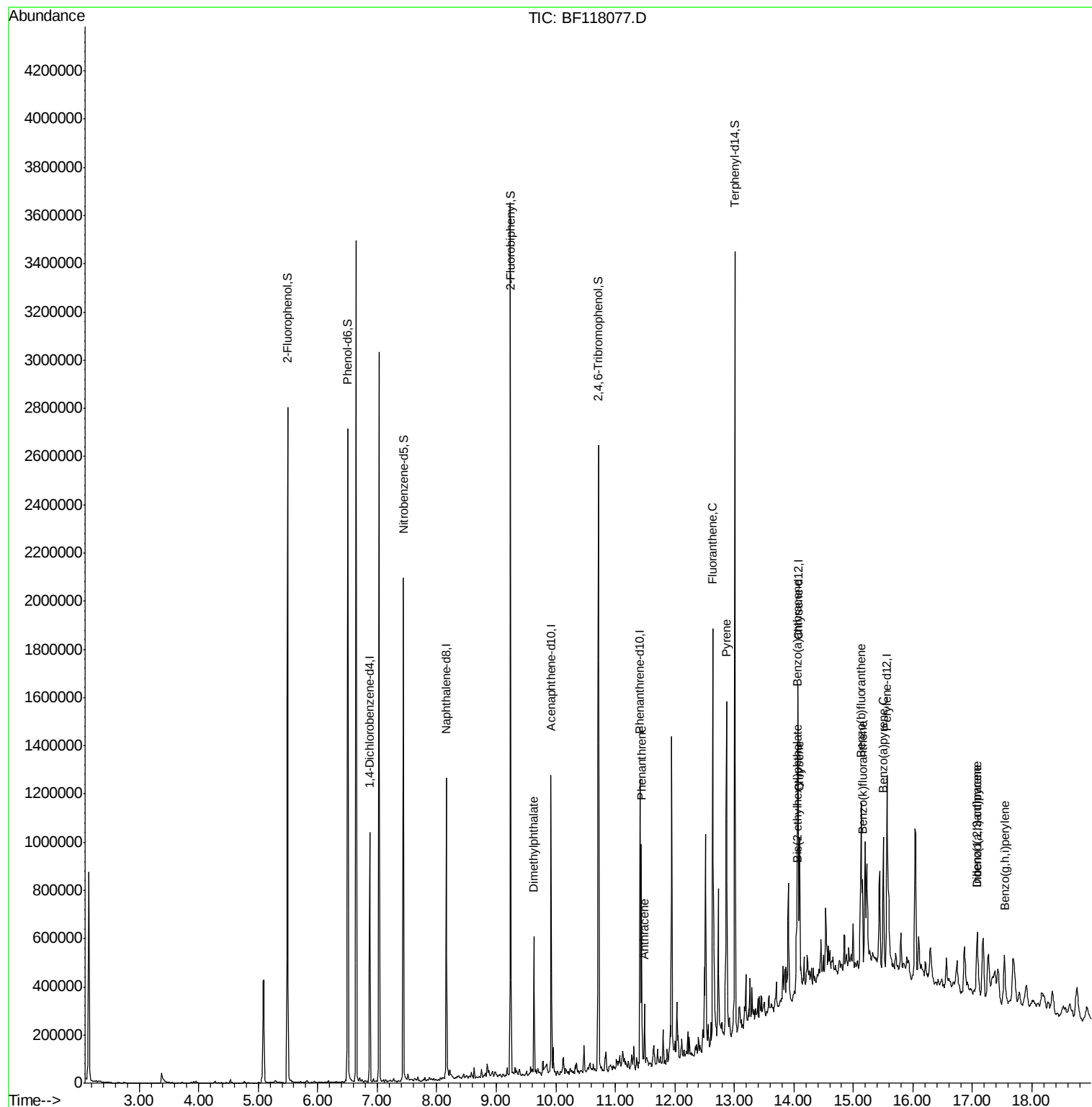
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118077.D
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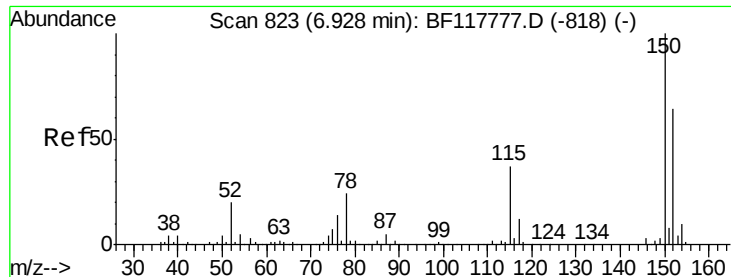
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#1

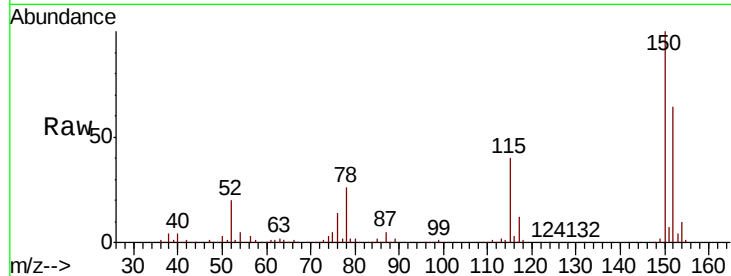
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	121.4	182.2
115	61.9	48.8	73.2

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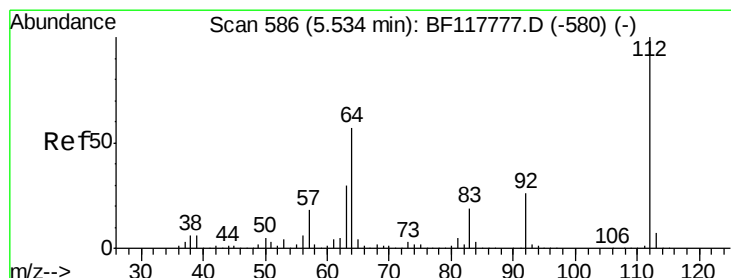
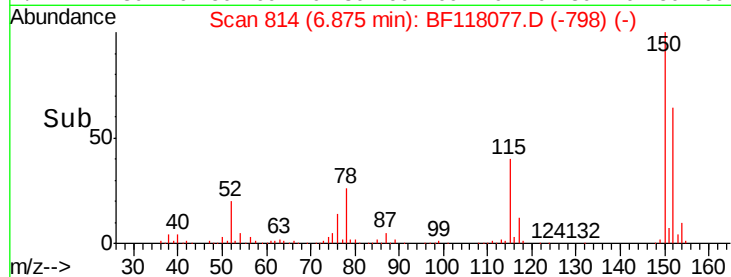
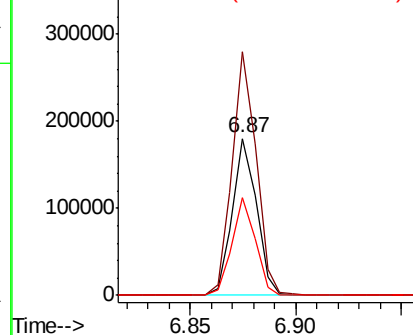


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

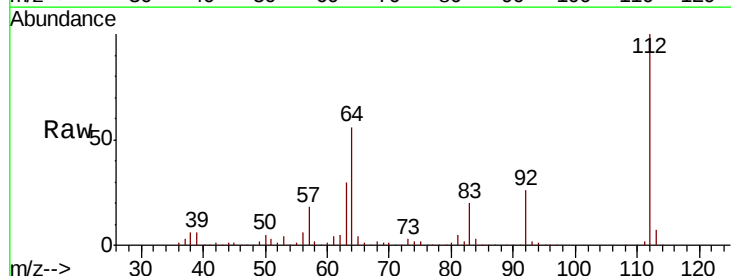
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.369 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.1	67.7
63	30.3	24.6	37.0

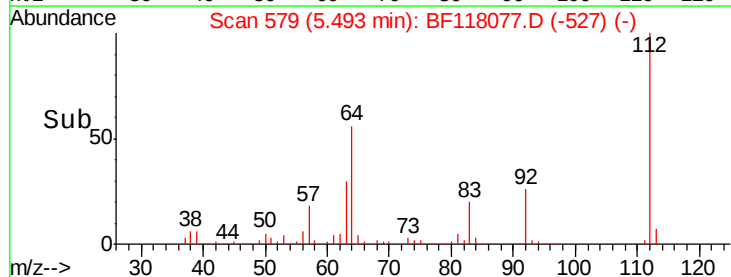
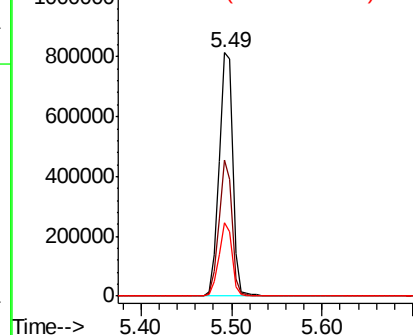


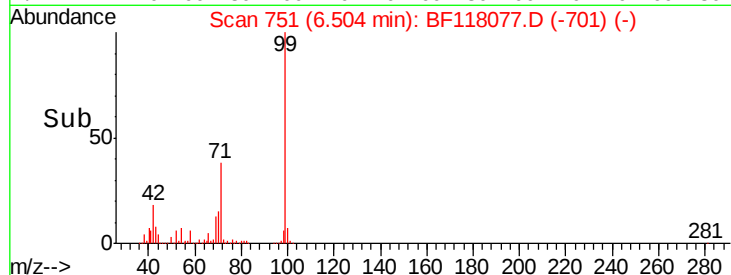
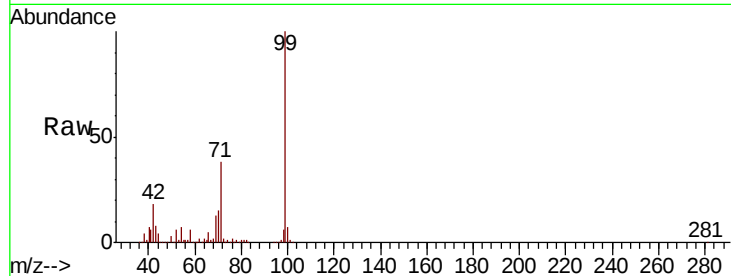
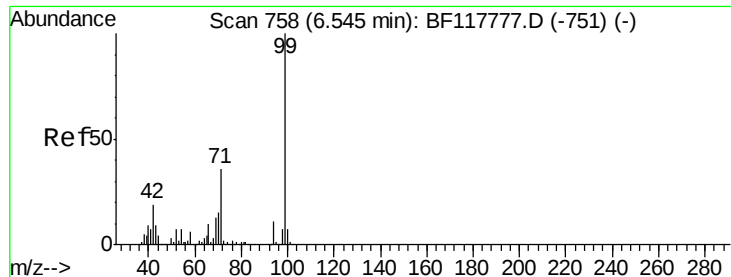
Abundance

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: 108.210 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Tot Ion: 99 Resp: 1043656

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

71 37.5 29.2 43.8

Instrument :

BNA_F

ClientSampleId :

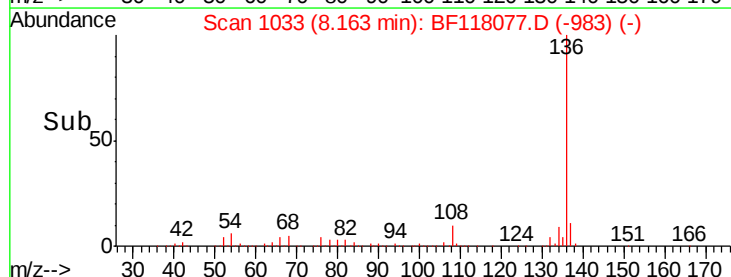
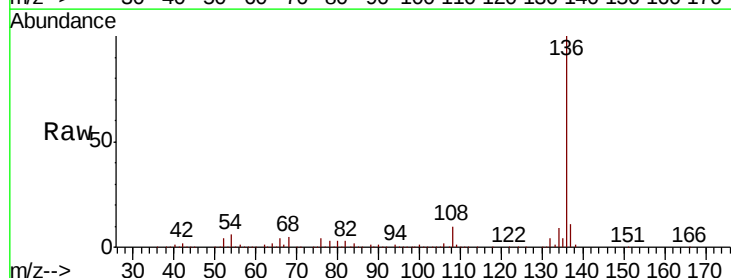
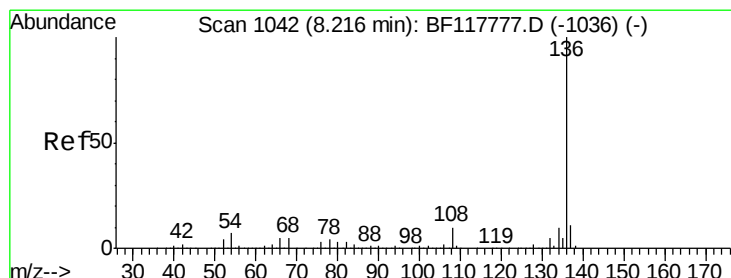
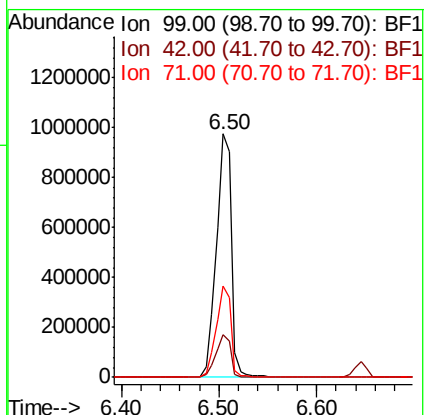
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Tgt Ion: 136 Resp: 528986

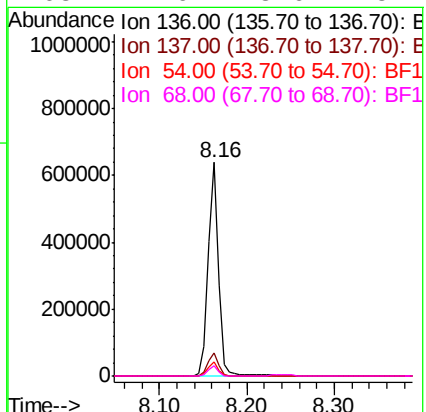
Ion Ratio Lower Upper

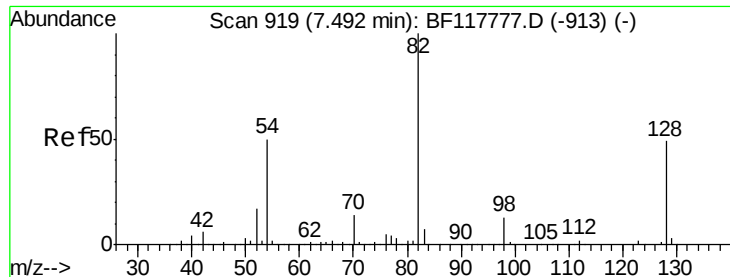
136 100

137 11.0 9.1 13.7

54 6.4 4.9 7.3

68 4.6 3.6 5.4





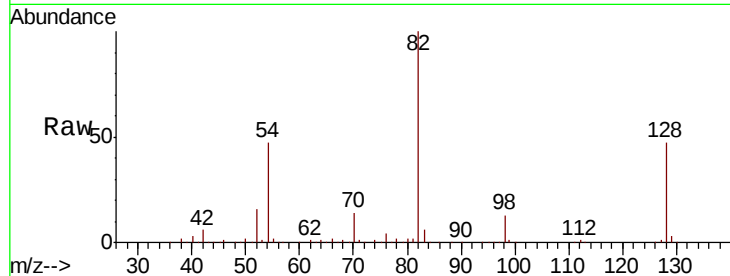
#23
Nitrobenzene-d5
Concen: 71.780 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	38.2	57.4
54	47.3	39.0	58.4

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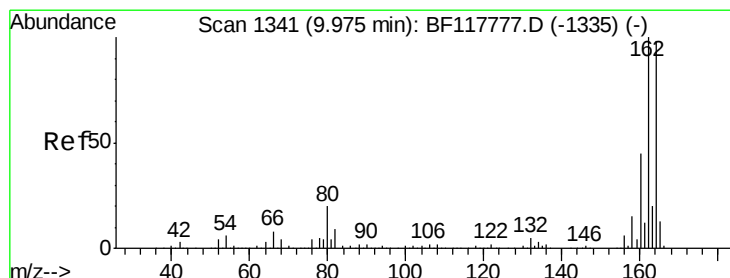
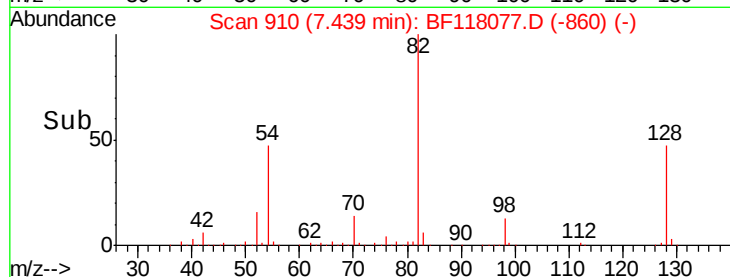
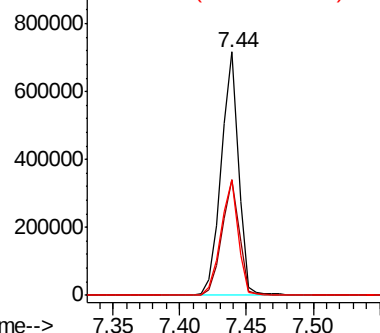


Abundance

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: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

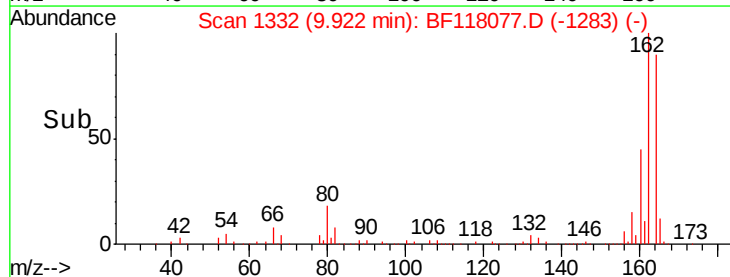
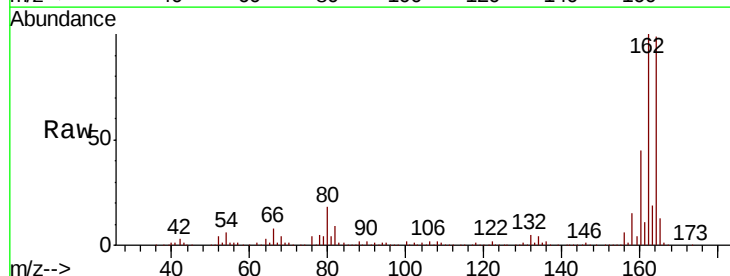
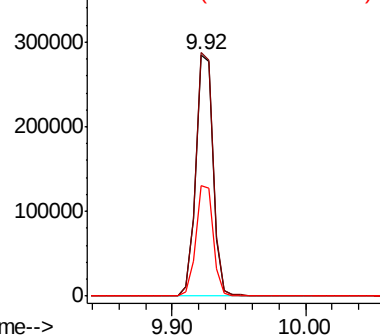
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.8	122.8
160	45.7	35.9	53.9

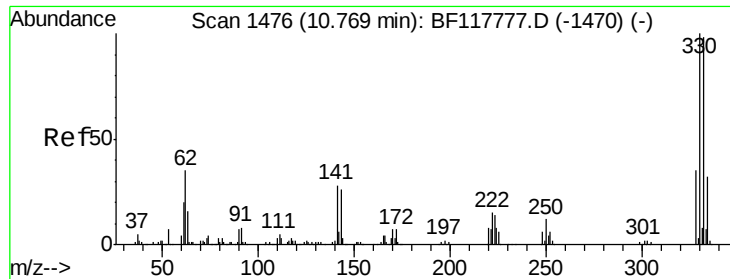
Abundance

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: 109.943 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

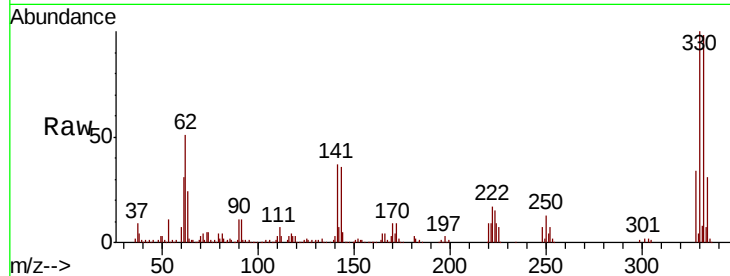
ClientSampleId :

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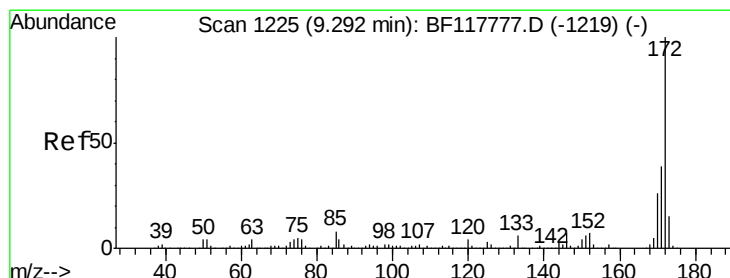
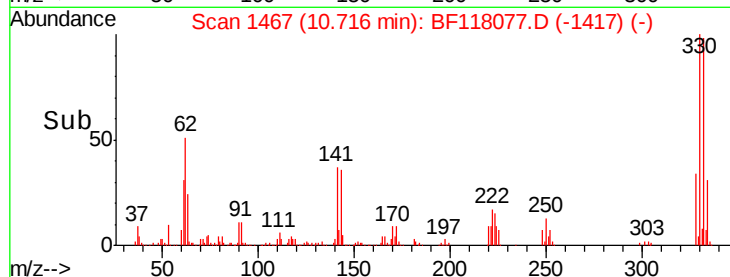
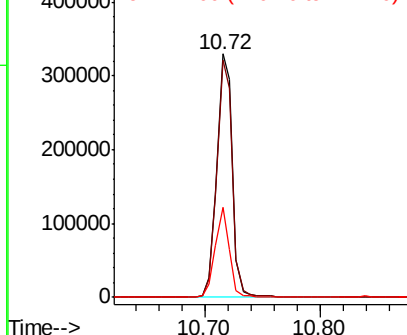
Tot Ion:	330	Resp:	306398
Ion Ratio	Lower	Upper	
330	100		
332	97.3	78.3	117.5
141	33.5	26.4	39.6

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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: 76.817 ng

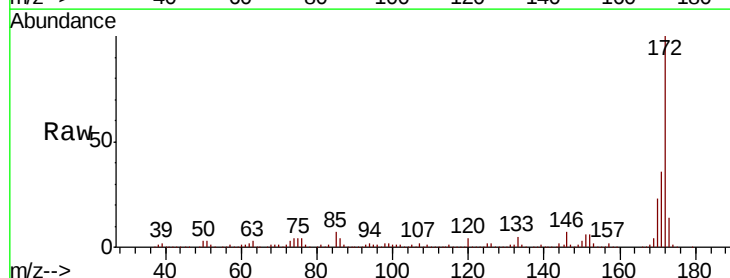
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

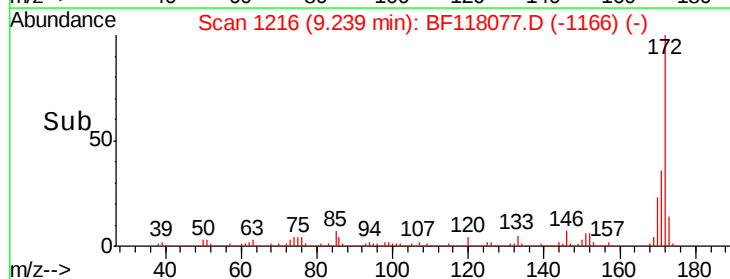
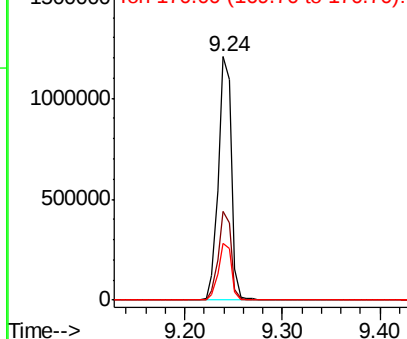
Lab File: BF118077.D

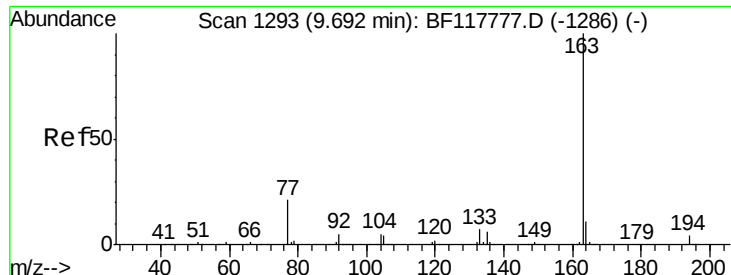
Acq: 3 Dec 2019 22:12

Tgt Ion:	172	Resp:	1127130
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.2	43.8
170	23.4	19.3	28.9



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





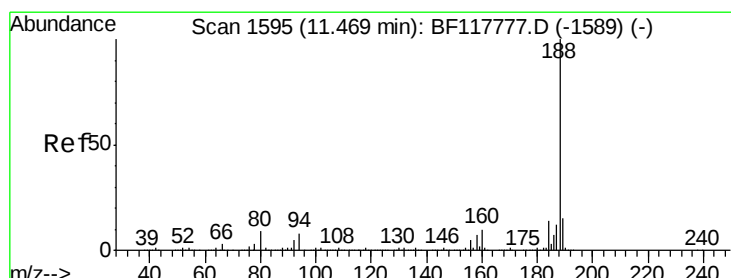
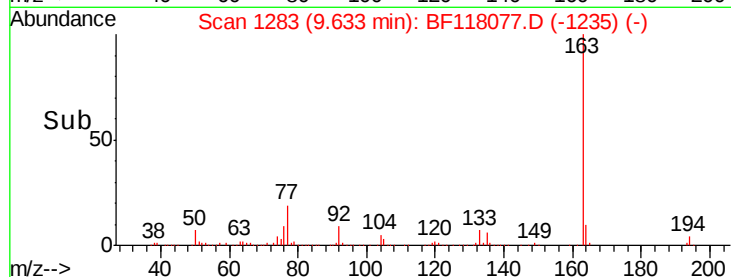
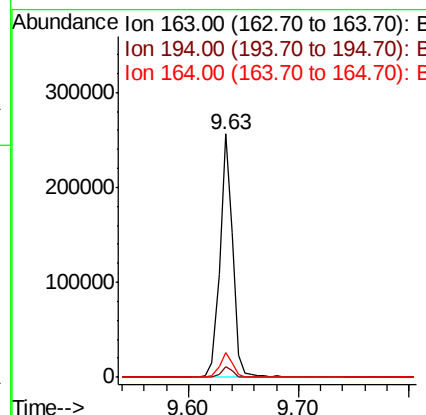
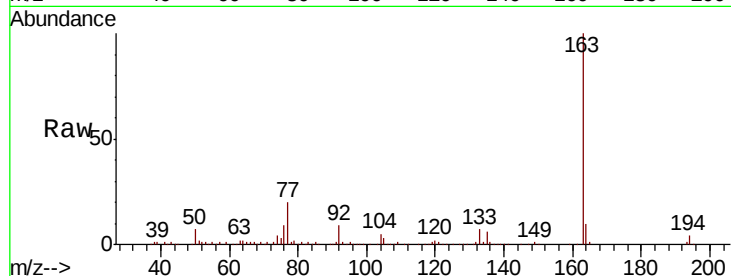
#50
Dimethylphthalate
Concen: 10.973 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	3.1	4.7	
164	10.3	7.9	11.9	

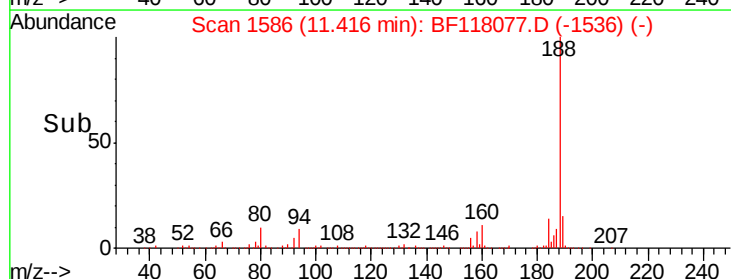
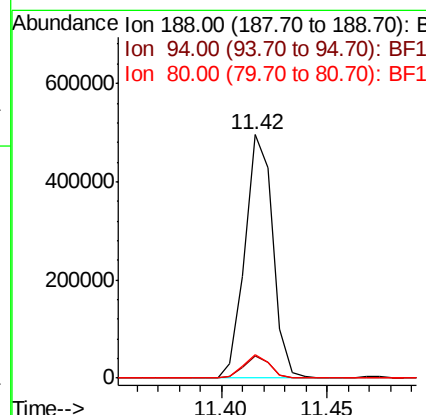
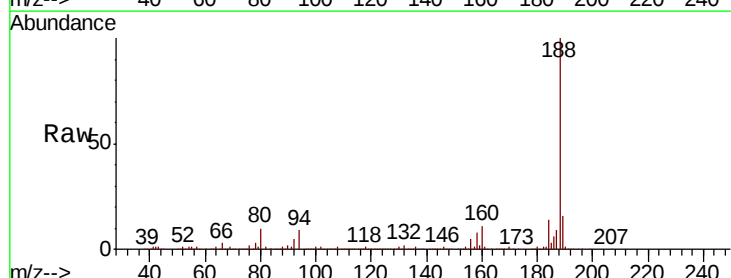
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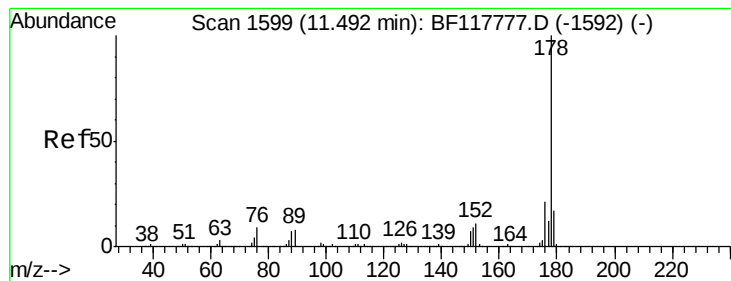
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.1	7.0	10.6	
80	9.7	7.2	10.8	





#71

Phenanthrene

Concen: 14.171 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

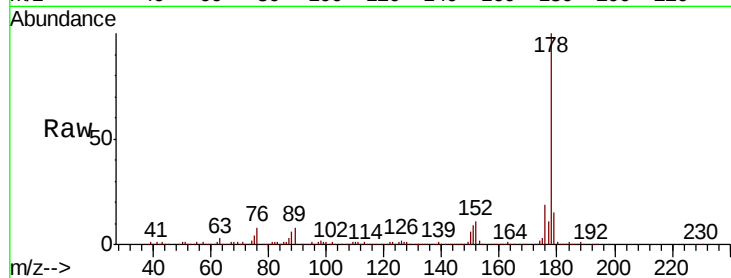
ClientSampleId :

COMPOSITE-BIN-5-SOIL-PILE

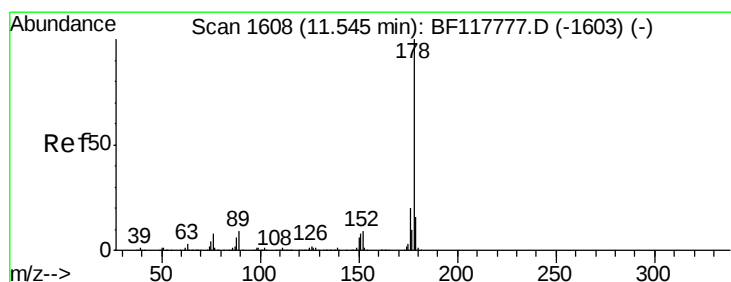
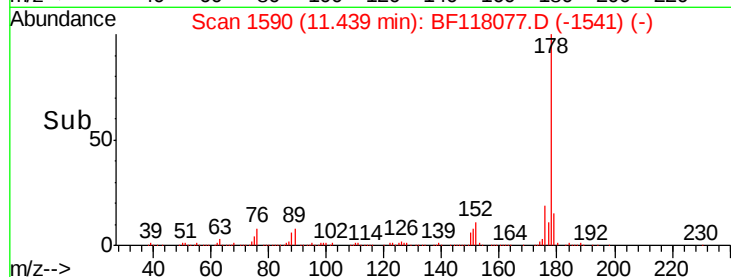
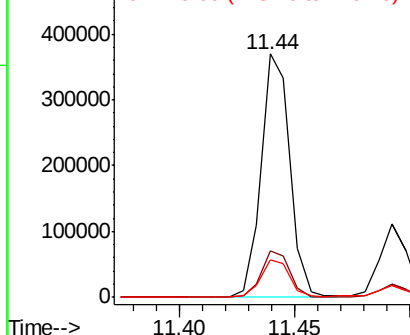
Tot Ion:	178	Resp:	321699
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	15.5	12.3	18.5

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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



#72

Anthracene

Concen: 4.048 ng

RT: 11.49 min Scan# 1599

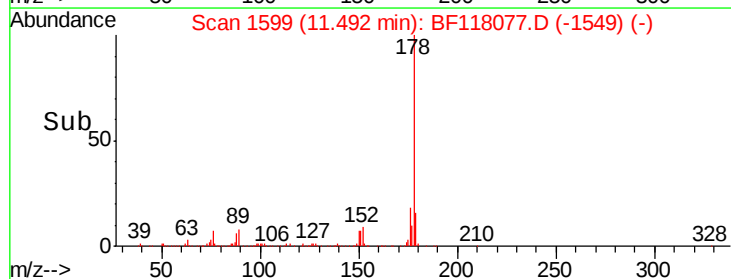
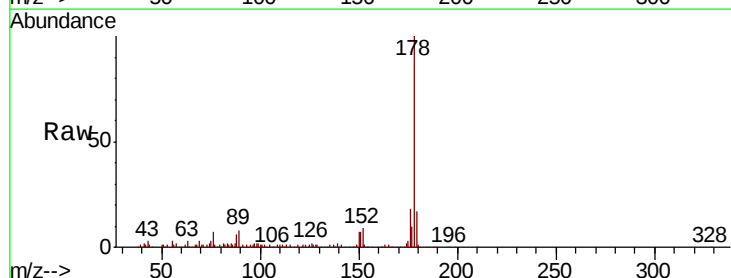
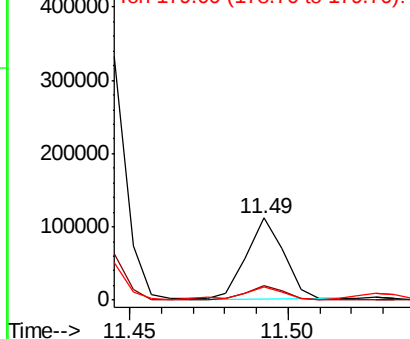
Delta R.T. -0.01 min

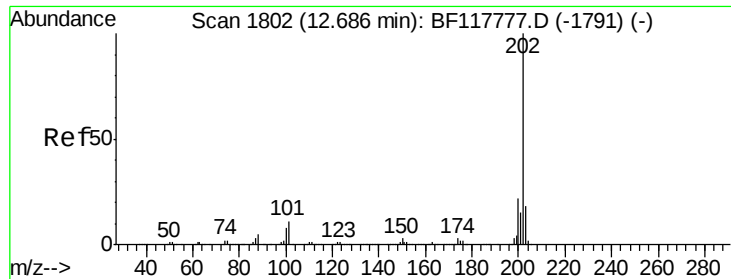
Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Tgt Ion:	178	Resp:	91111
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.0	22.6
179	16.6	12.8	19.2

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: 26.020 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

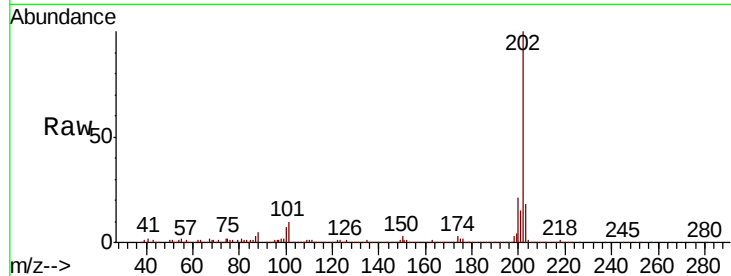
ClientSampleId :

COMPOSITE-BIN-5-SOIL-PILE

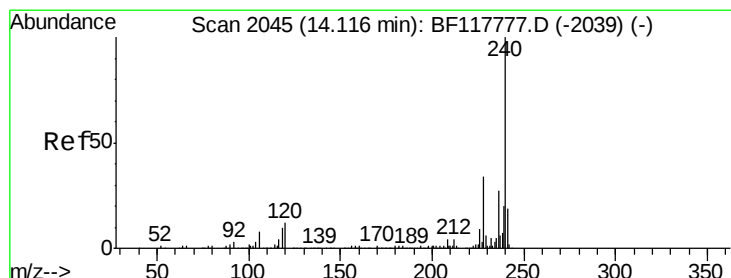
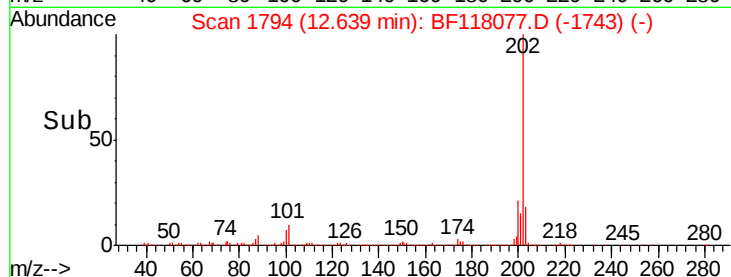
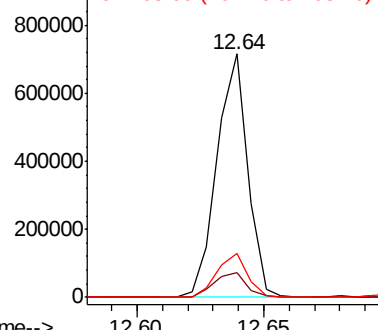
Tot Ion:	202	Resp:	603508
Ion Ratio		Lower	Upper
202	100		
101	10.0	0.0	31.5
203	17.9	0.0	37.6

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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

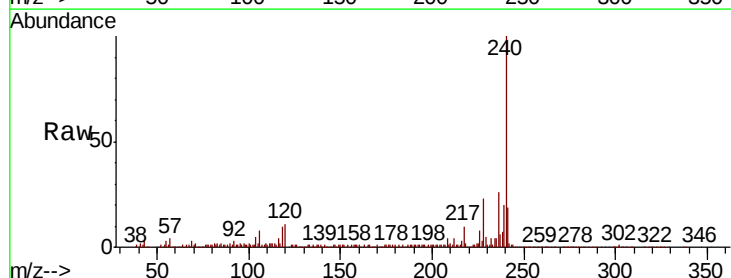
RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

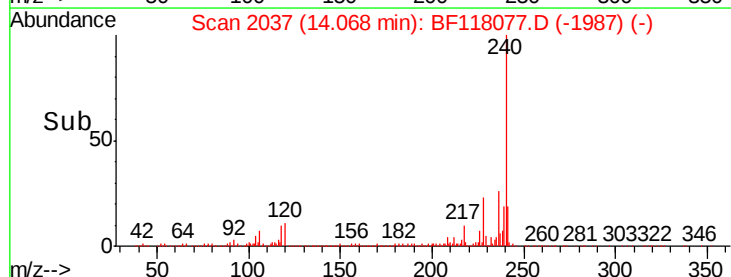
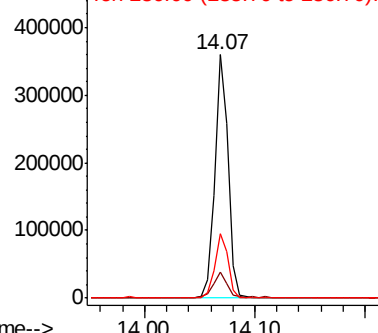
Lab File: BF118077.D

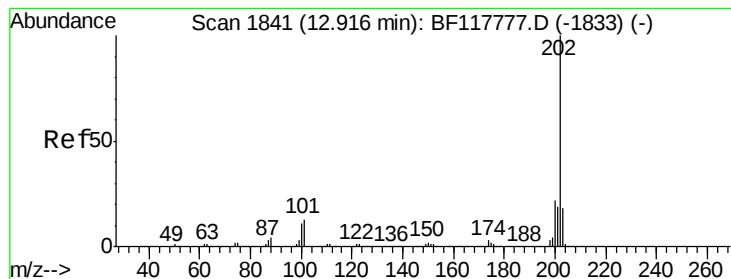
Acq: 3 Dec 2019 22:12

Tgt Ion:	240	Resp:	302806
Ion Ratio		Lower	Upper
240	100		
120	10.9	8.4	12.6
236	26.3	20.6	31.0



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: 21.337 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

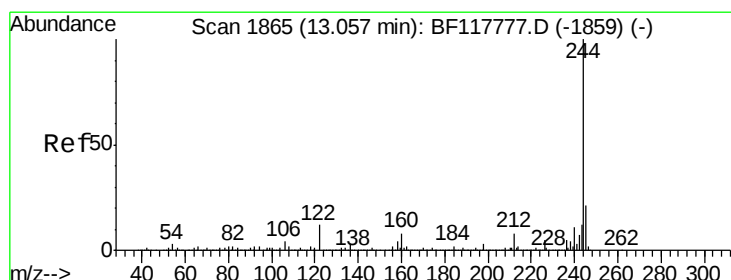
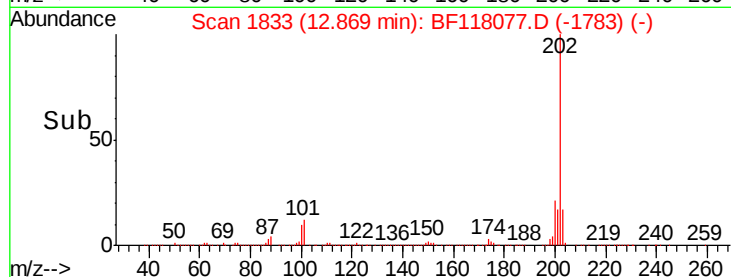
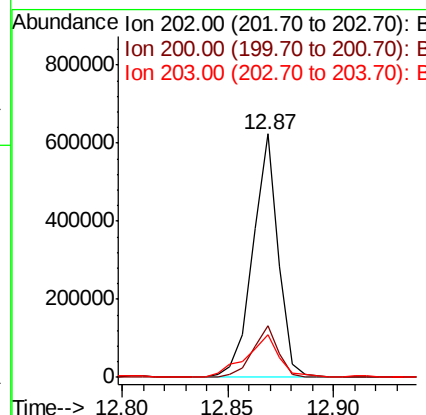
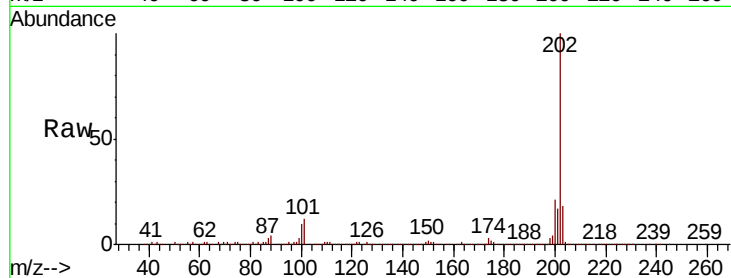
ClientSampleId :

COMPOSITE-BIN-5-SOIL-PILE

Tot Ion:	202	Resp:	522141
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.8	14.2	21.4

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#79

Terphenyl-d14

Concen: 61.265 ng

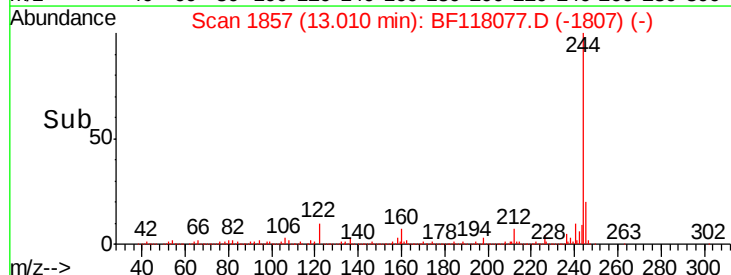
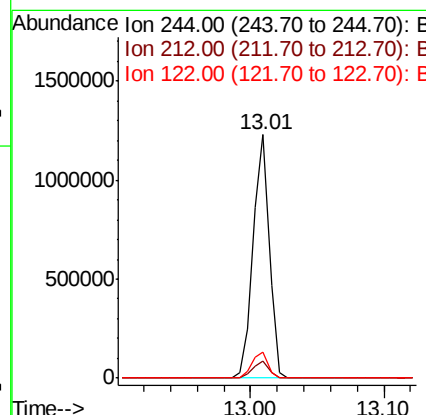
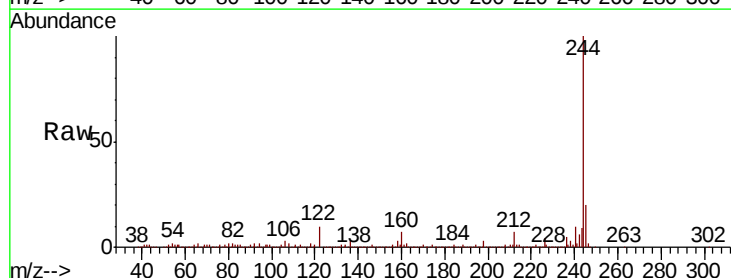
RT: 13.01 min Scan# 1857

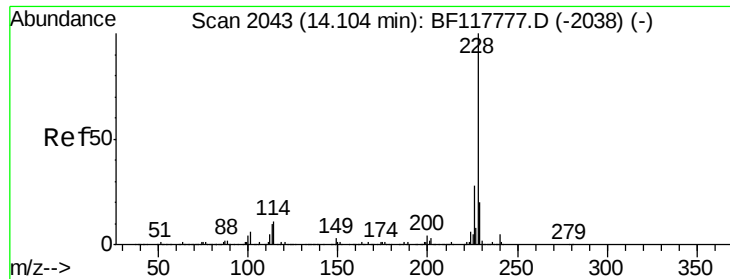
Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Tgt Ion:	244	Resp:	1015056
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.2	7.8
122	10.4	7.2	10.8





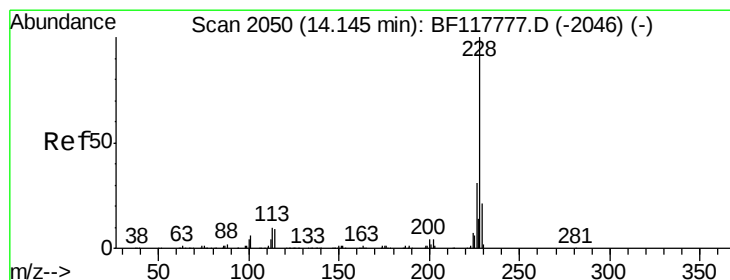
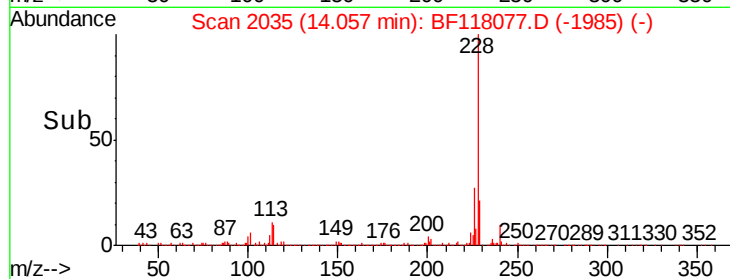
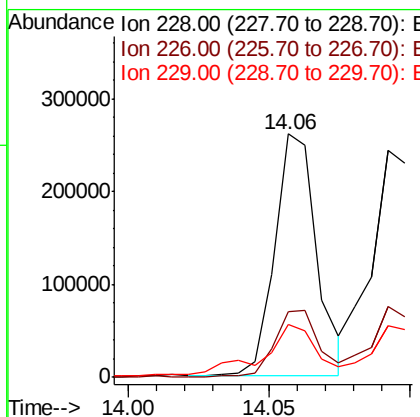
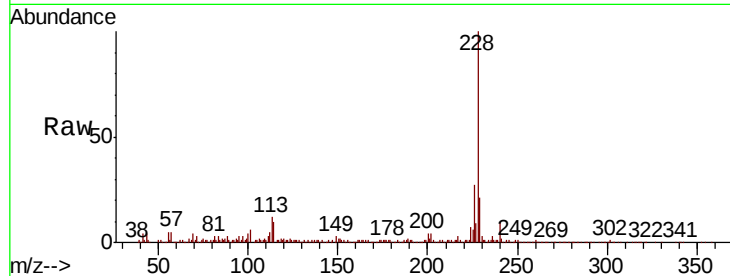
#81
Benzo(a)anthracene
Concen: 13.481 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	21.5	16.2	24.2

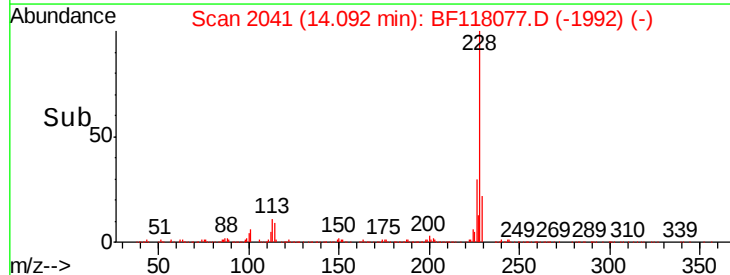
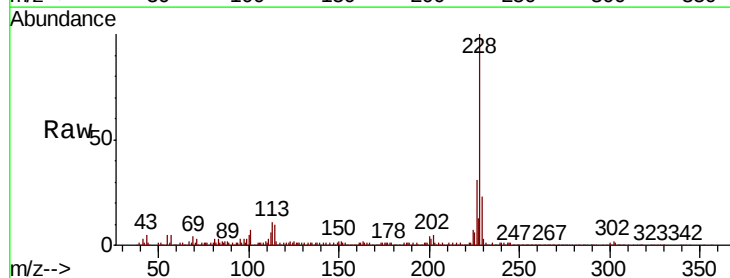
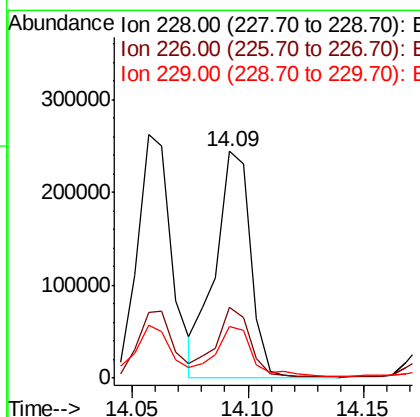
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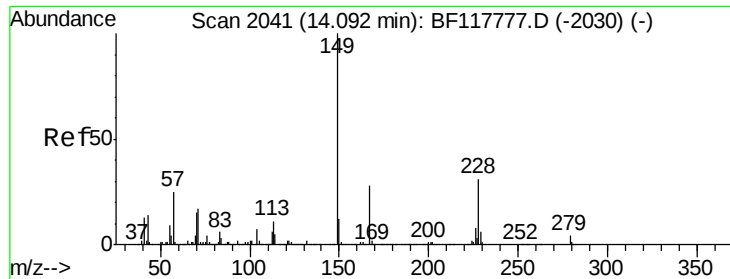
mohammad
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#83
Chrysene
Concen: 13.281 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.6	35.4
229	22.8	16.2	24.2





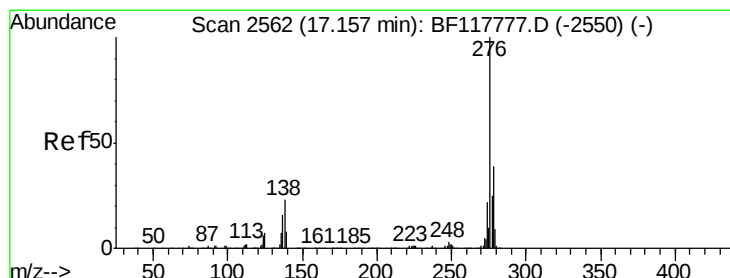
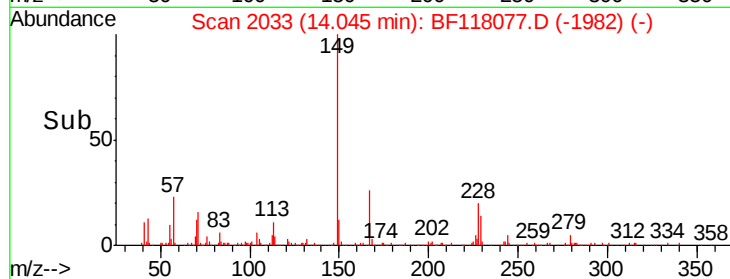
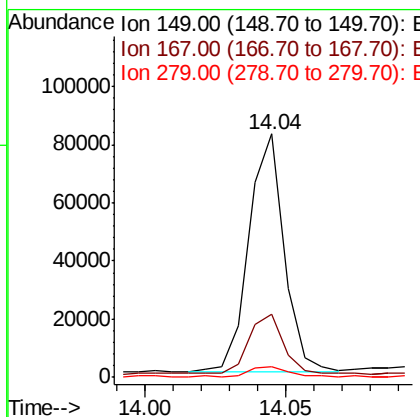
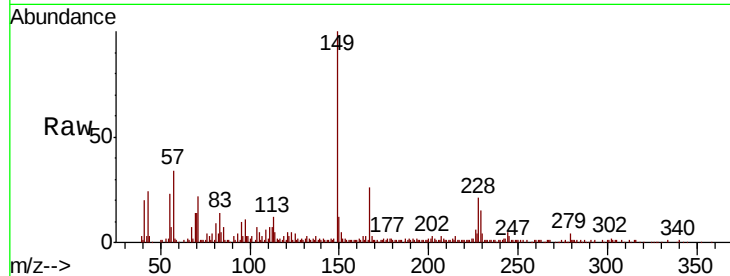
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.546 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.8	32.8
279	4.4	3.4	5.0

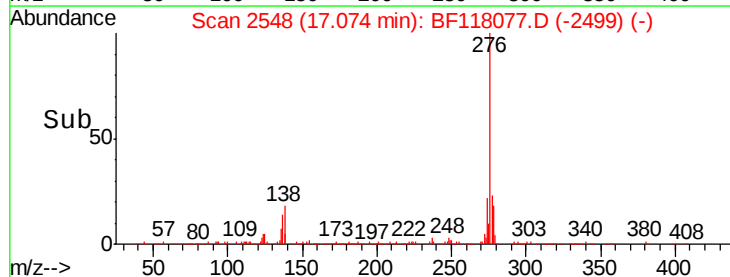
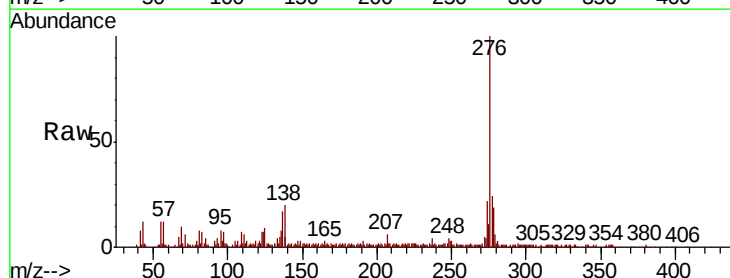
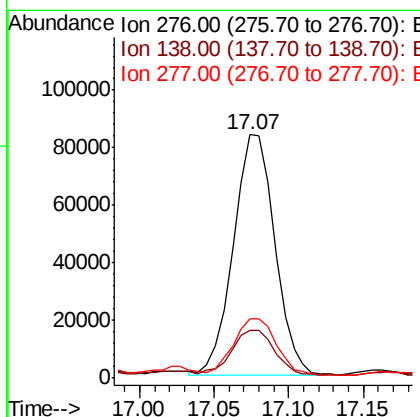
Manual Integrations
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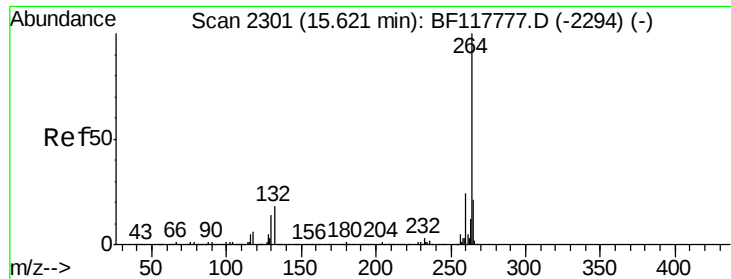
mohammad
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.750 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	19.0	28.6
277	24.7	20.7	31.1





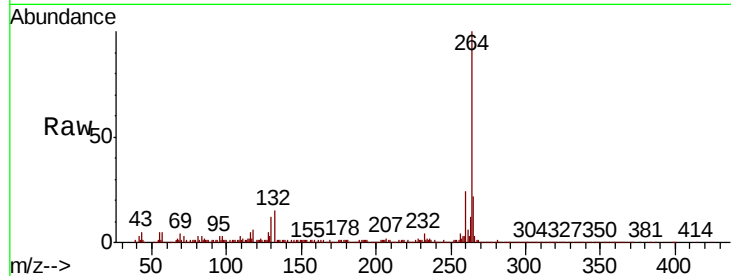
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.4	16.4	24.6

Manual Integrations
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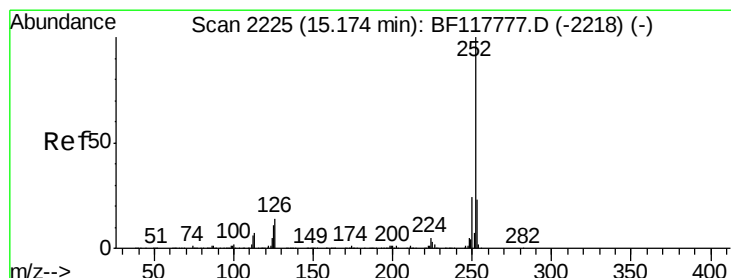
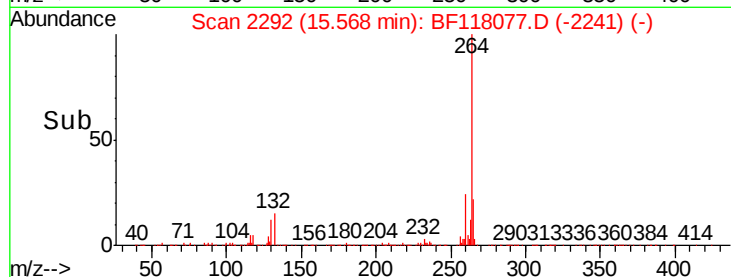
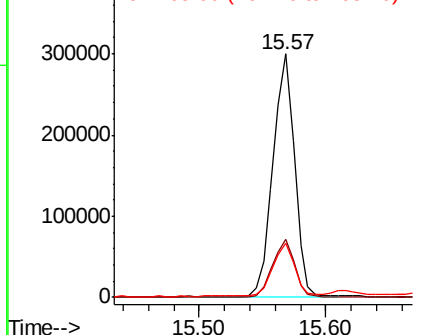


Abundance

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: 17.270 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

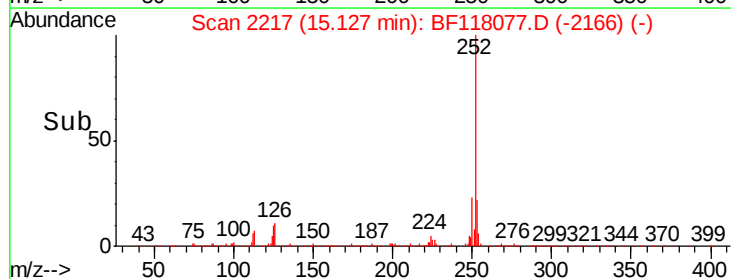
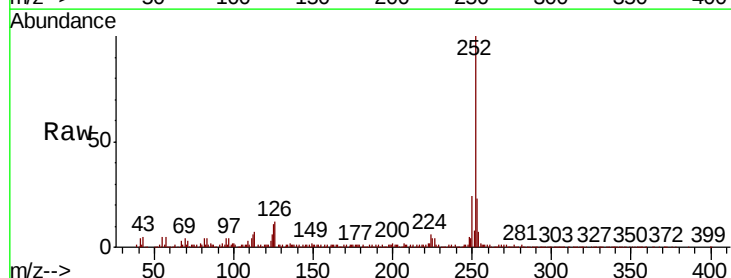
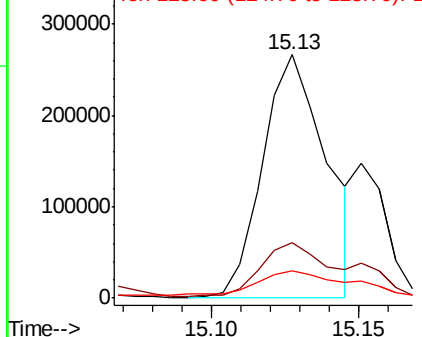
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.2	7.7	11.5

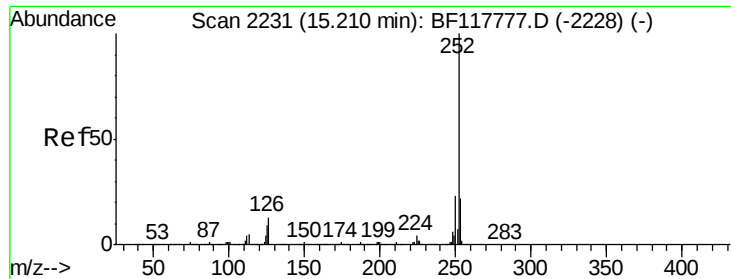
Abundance

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





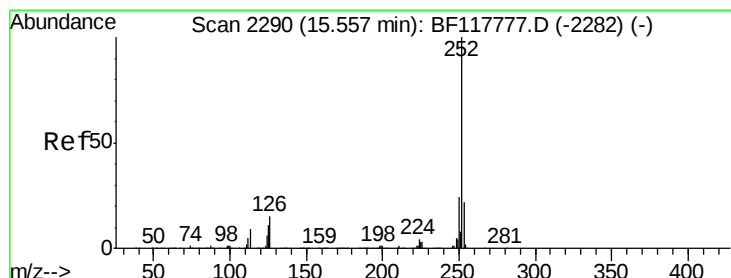
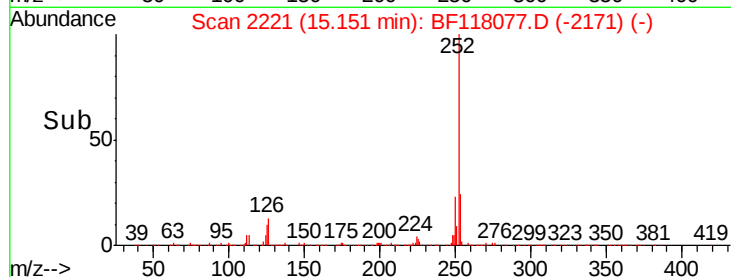
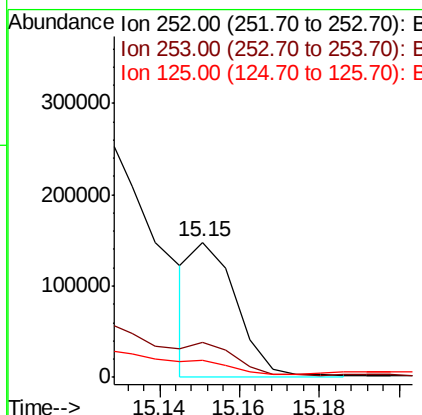
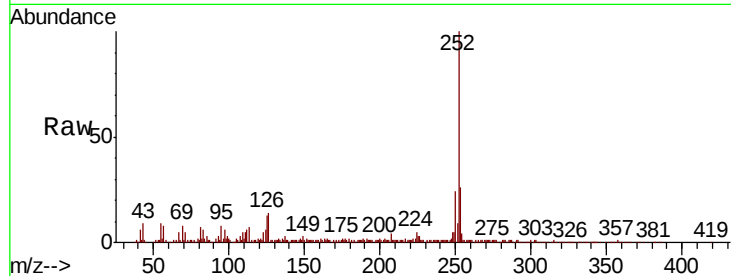
#89
Benzo(k)fluoranthene
Concen: 5.279 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.3	25.9
125	12.8	8.5	12.7

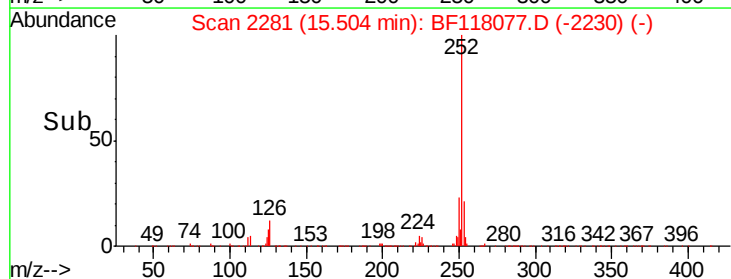
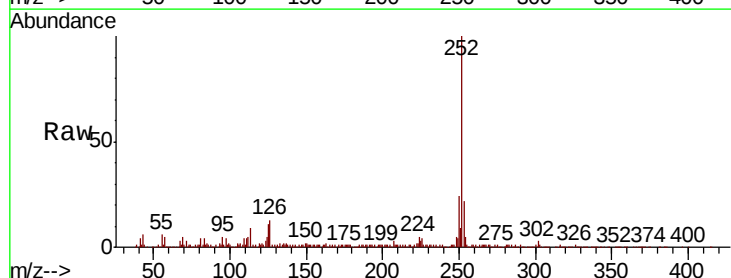
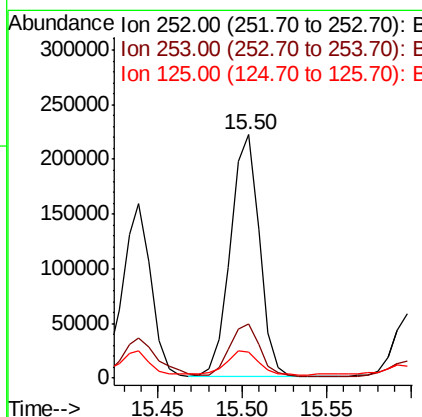
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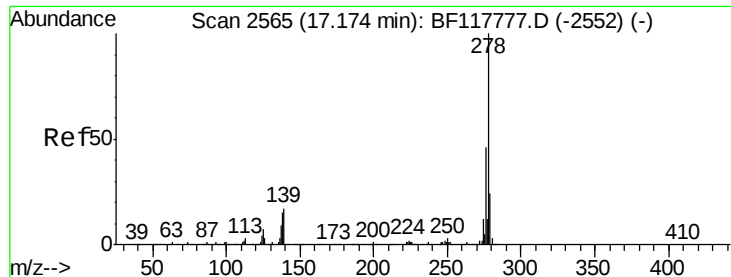
mohammad
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#90
Benzo(a)pyrene
Concen: 12.971 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.6	8.9	13.3





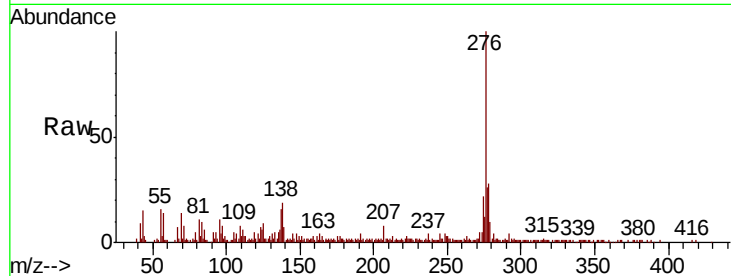
#91
Dibenzo(a,h)anthracene
Concen: 2.436 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	12.2	18.4#
279	34.2	19.0	28.6#

Manual Integrations
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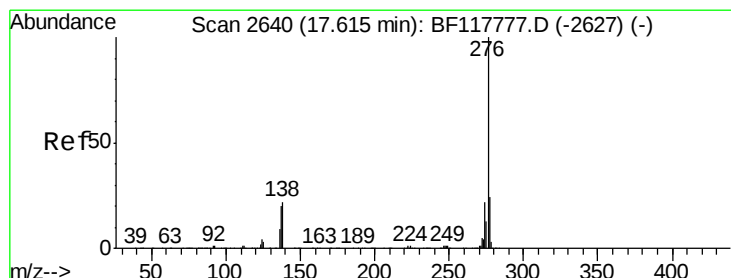
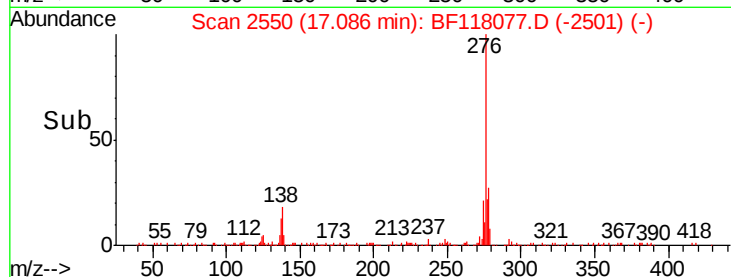
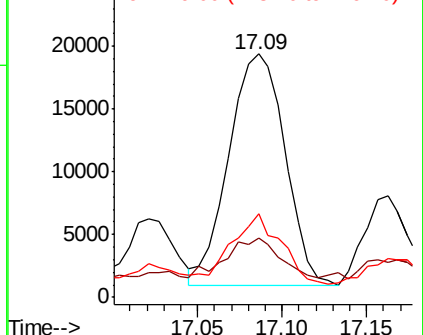


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.315 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	19.0	16.6	25.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

