

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
 Data File : BF117889.D
 Acq On : 20 Nov 2019 13:31
 Operator : JU
 Sample : K5908-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Manual Integrations
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Quant Time: Nov 21 03:22:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	154823	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	584779	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	333739	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	635891	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	374981	20.00	ng	-0.01
87) Perylene-d12	15.62	264	423566	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	974864	111.46	ng	0.00
7) Phenol-d6	6.54	99	1299999	123.23	ng	0.00
23) Nitrobenzene-d5	7.47	82	793027	80.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	394574	111.67	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1478987	79.50	ng	-0.01
79) Terphenyl-d14	13.05	244	1315605	64.12	ng	0.00
Target Compounds						
10) Phenol	6.55	94	72597	6.622	ng	86
50) Dimethylphthalate	9.67	163	257442	11.000	ng	97
58) Fluorene	10.52	166	48964	2.399	ng	97
71) Phenanthrene	11.48	178	764399	23.910	ng	97
72) Anthracene	11.53	178	143333	4.522	ng	96
73) Carbazole	11.69	167	72175	2.606	ng	94
75) Fluoranthene	12.67	202	702106	19.923	ng	99
78) Pyrene	12.90	202	490794	16.196	ng	98
81) Benzo(a)anthracene	14.09	228	246907	9.964	ng	99
83) Chrysene	14.13	228	222156	9.252	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	89954	4.402	ng	96
88) Benzo(b)fluoranthene	15.16	252	280858m	10.206	ng	
89) Benzo(k)fluoranthene	15.19	252	73346m	2.829	ng	
90) Benzo(a)pyrene	15.54	252	172874	7.144	ng	98
92) Benzo(a,h,i)perylene	17.60	276	76555	3.690	ng	99

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

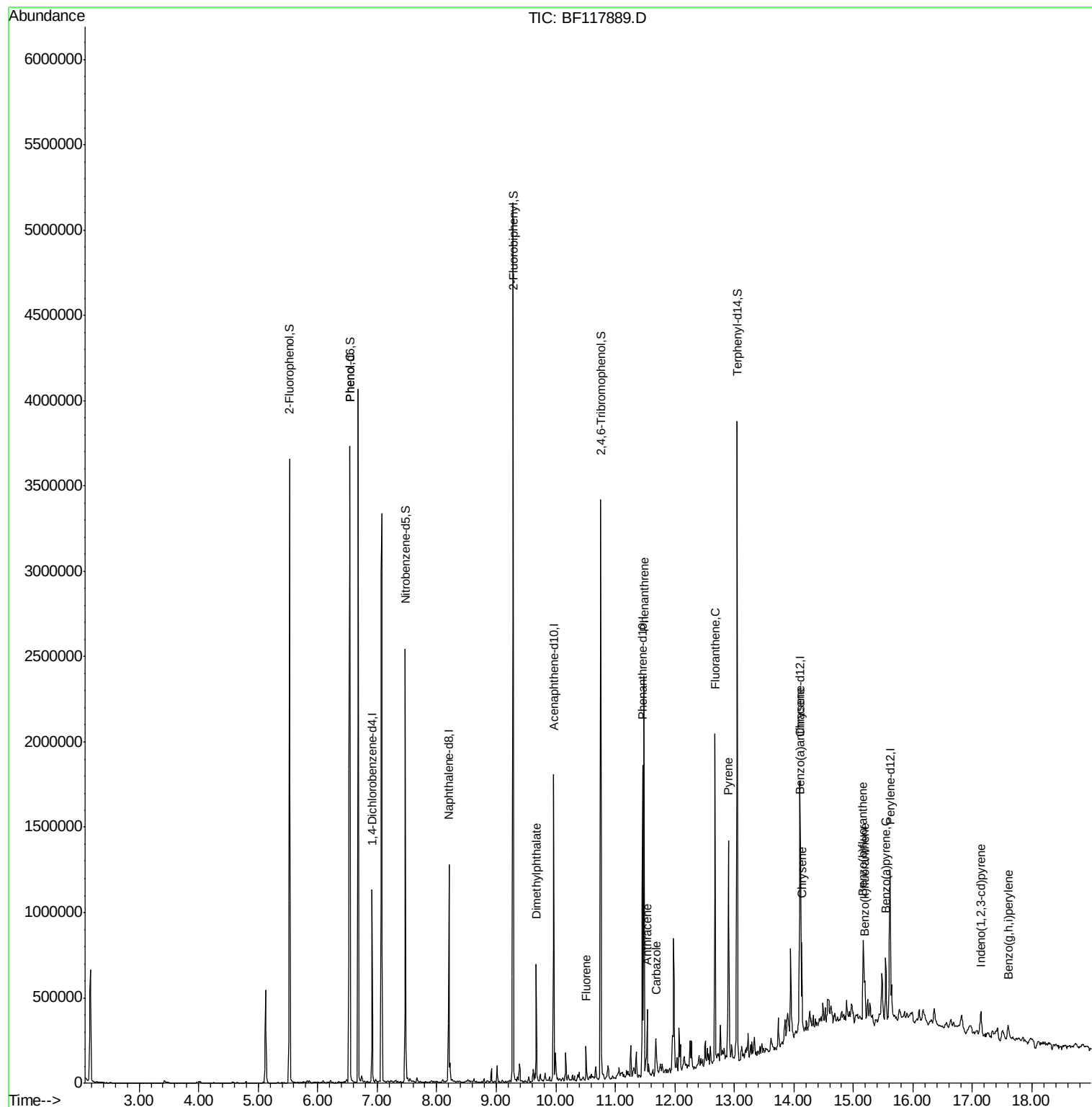
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
Data File : BF117889.D
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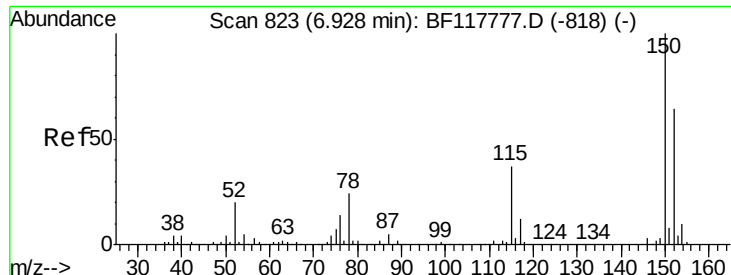
Instrument :
BNA_F
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B-8-2-(6-12)

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Quant Time: Nov 21 03:22:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

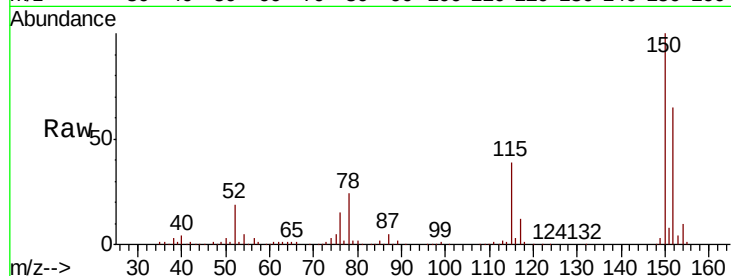
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.3	187.9
115	60.1	47.0	70.4

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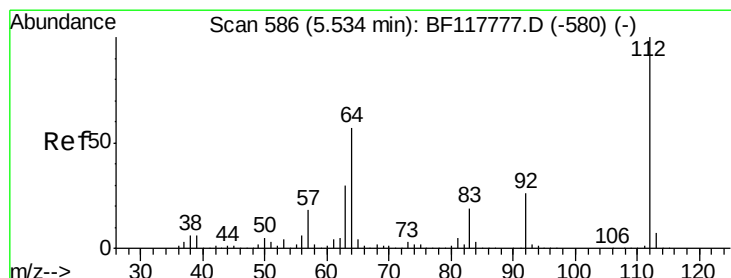
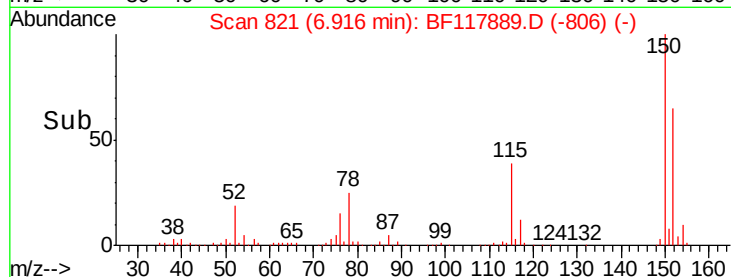
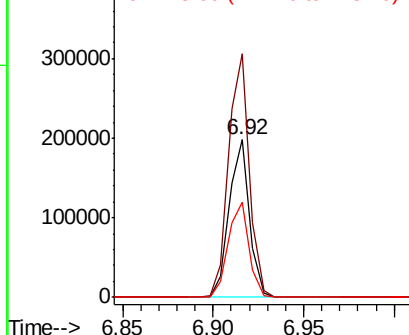


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

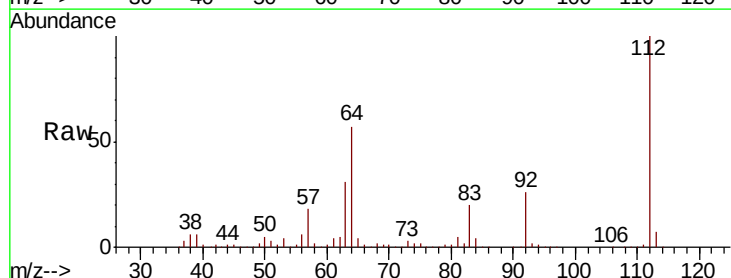
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.457 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	45.6	68.4
63	30.8	24.1	36.1

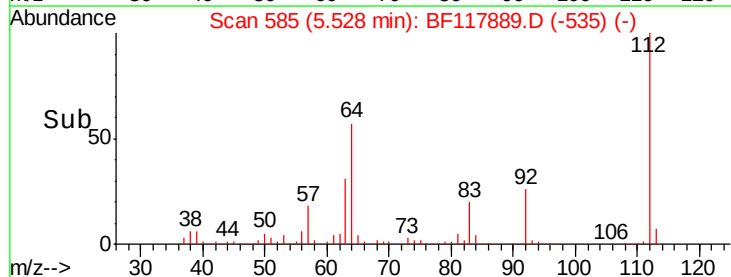
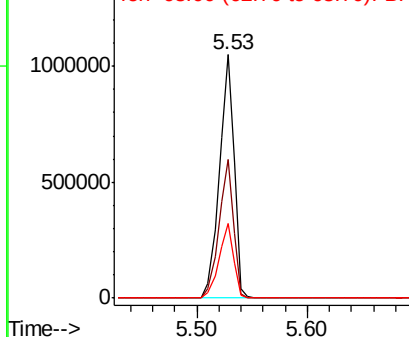


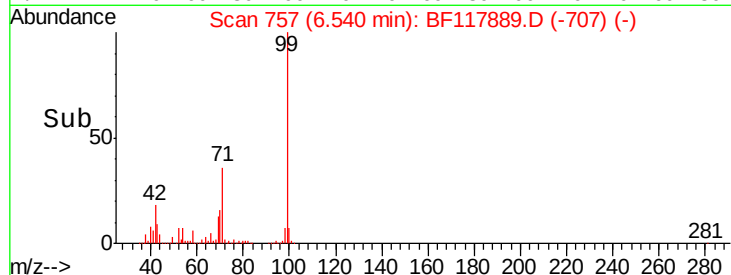
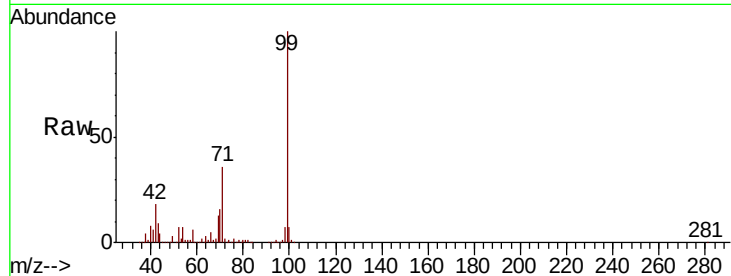
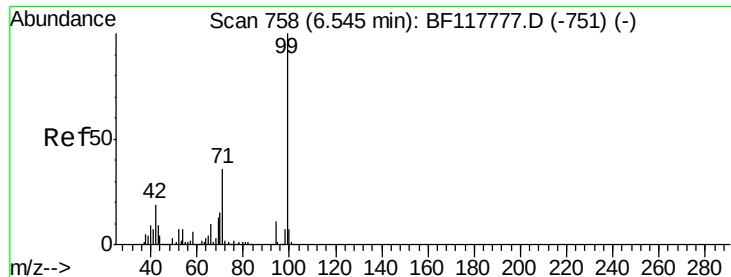
Abundance

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: 123.226 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117889.D

Acq: 20 Nov 2019 13:31

Tot Ion: 99 Resp: 1299999

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

71 36.4 28.6 43.0

Instrument :

BNA_F

ClientSampleId :

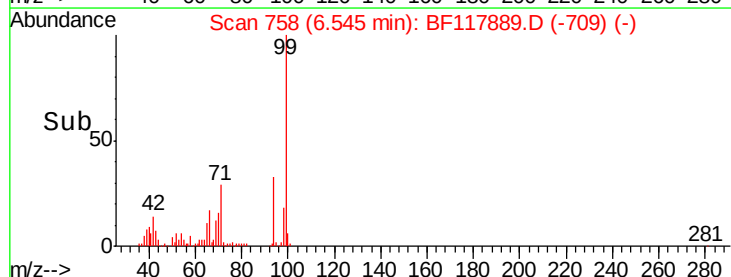
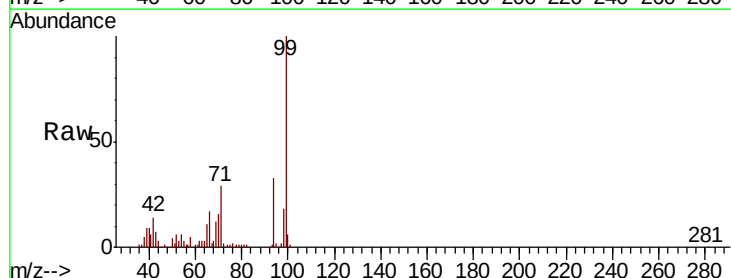
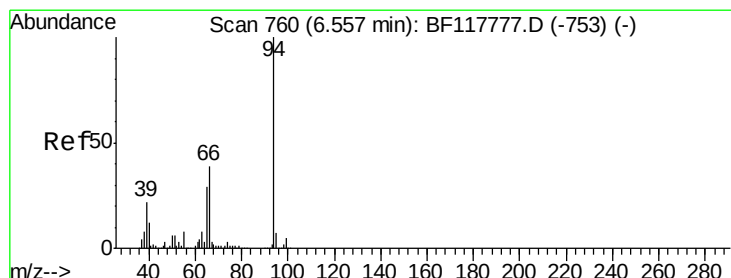
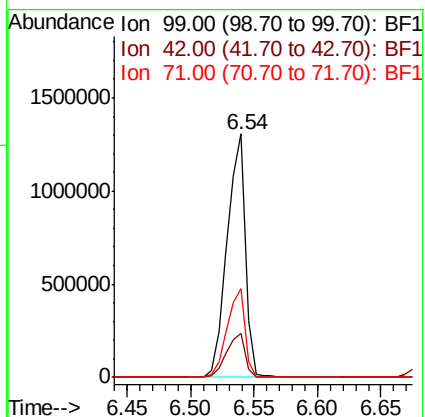
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#10

Phenol

Concen: 6.622 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117889.D

Acq: 20 Nov 2019 13:31

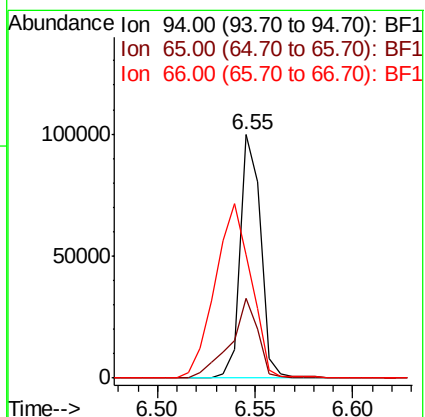
Tgt Ion: 94 Resp: 72597

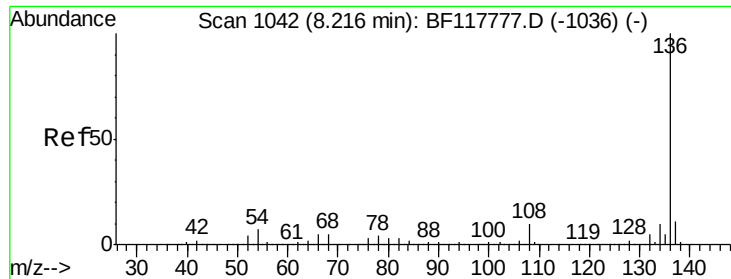
Ion Ratio Lower Upper

94 100

65 32.6 8.9 48.9

66 50.6 18.7 58.7





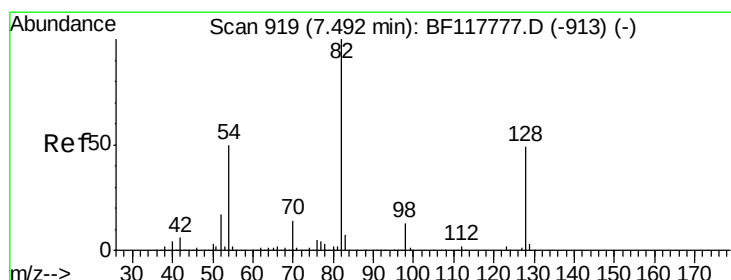
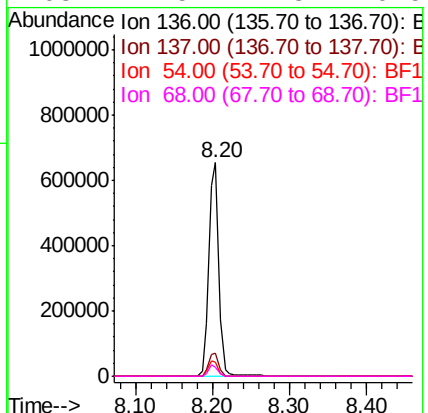
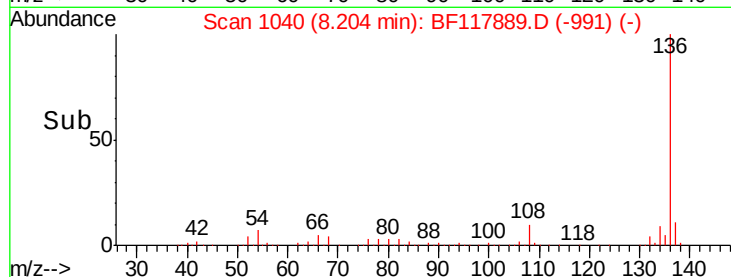
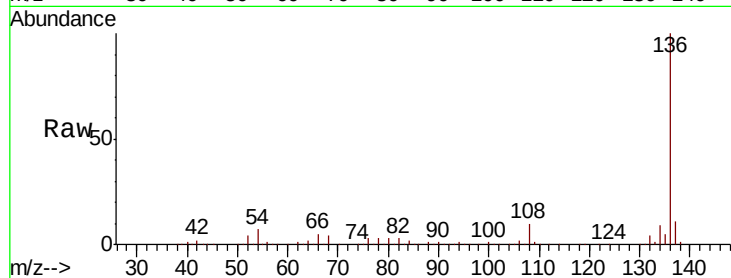
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.6	5.4	8.2
68	4.5	4.3	6.5

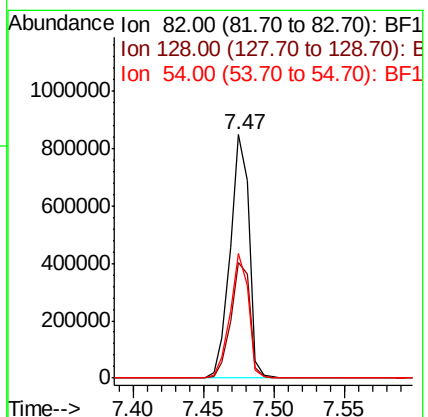
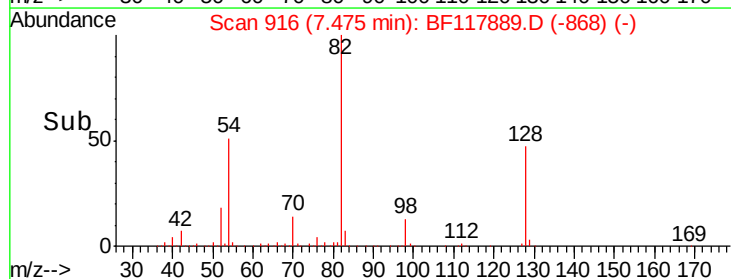
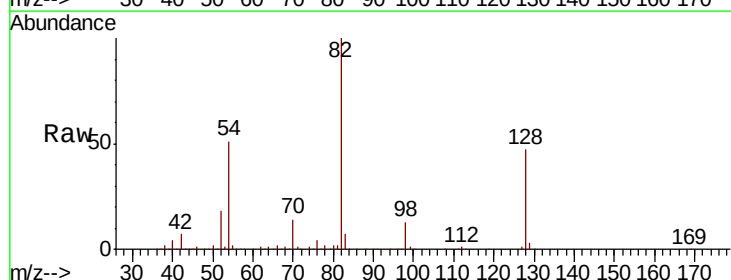
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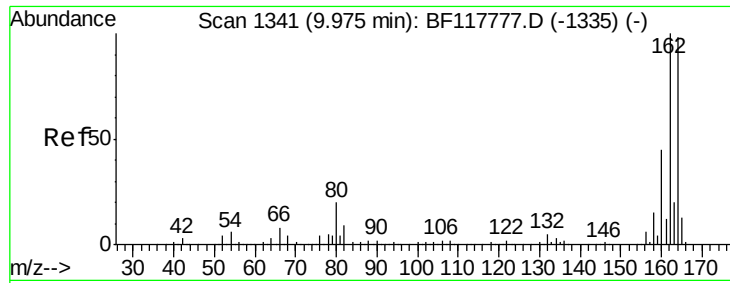
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#23
Nitrobenzene-d5
Concen: 80.615 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.5	38.9	58.3
54	51.3	39.8	59.6





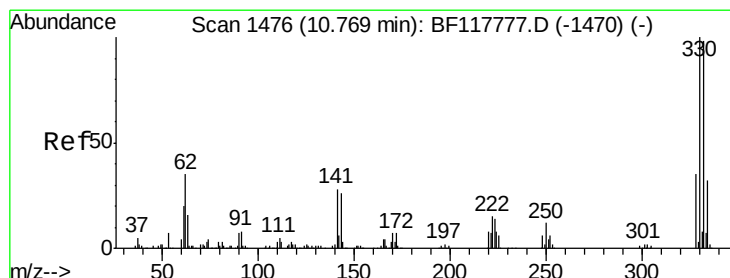
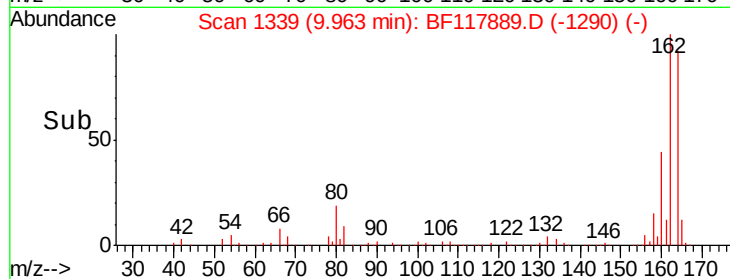
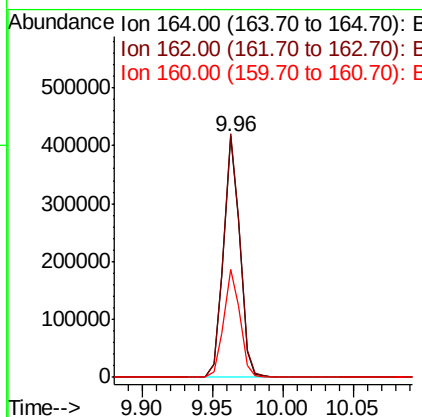
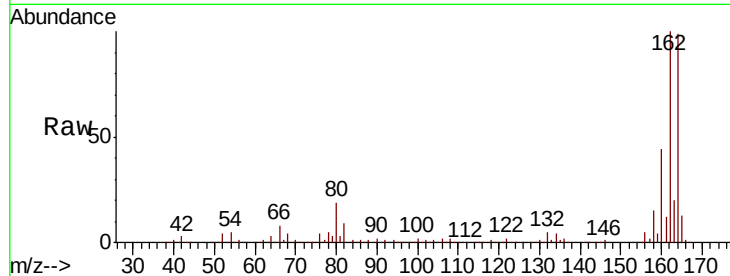
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	81.3	121.9	
160	44.6	36.6	55.0	

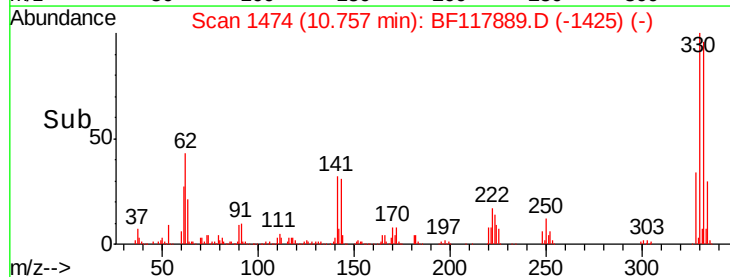
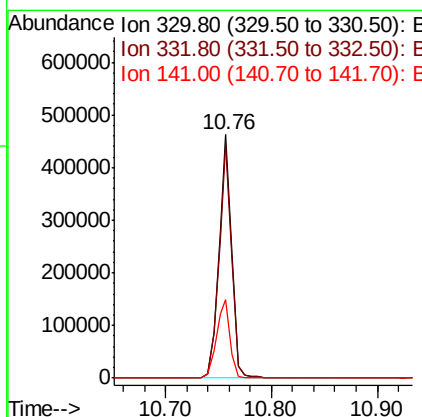
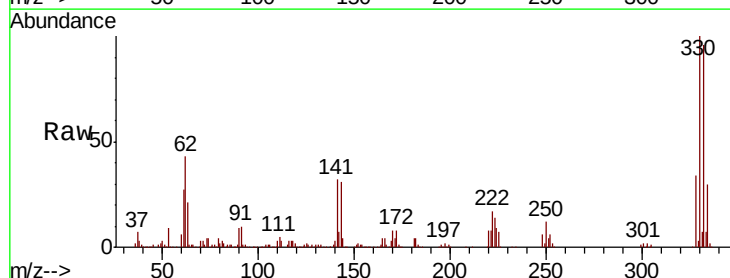
Manual Integrations
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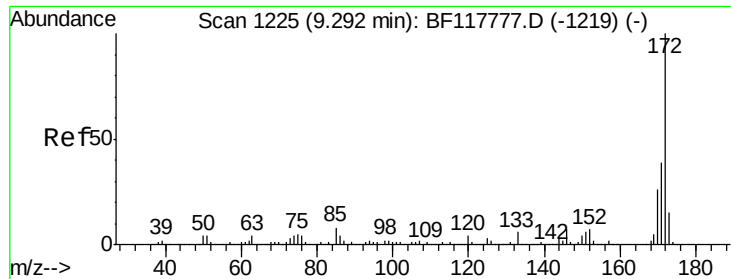
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#42
2,4,6-Tribromophenol
Concen: 111.674 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	76.7	115.1	
141	34.2	27.7	41.5	





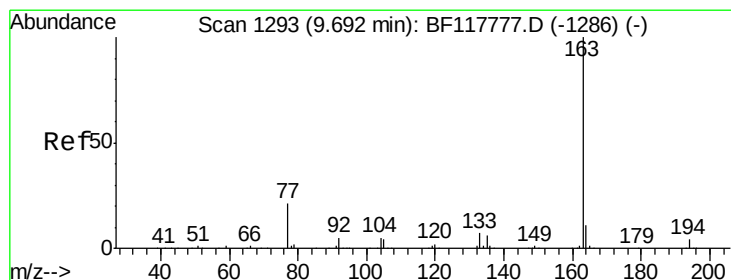
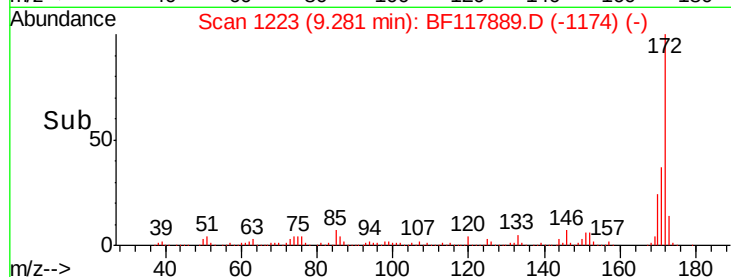
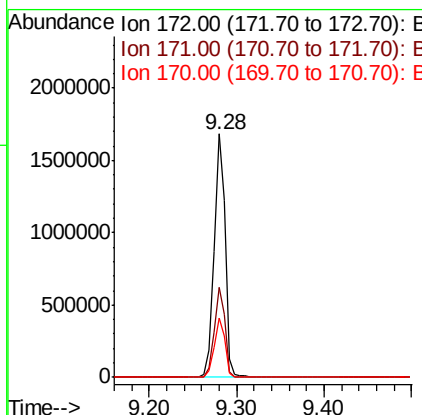
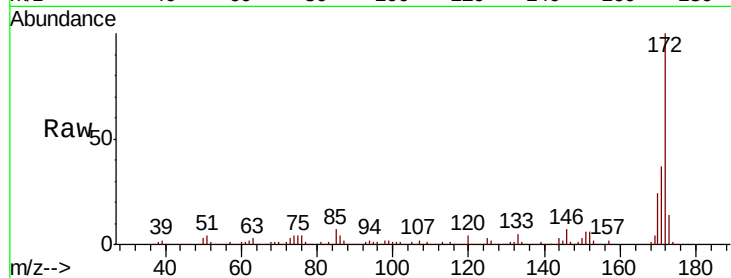
#45
2-Fluorobiphenyl
Concen: 79.504 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.9	46.3
170	24.5	21.0	31.4

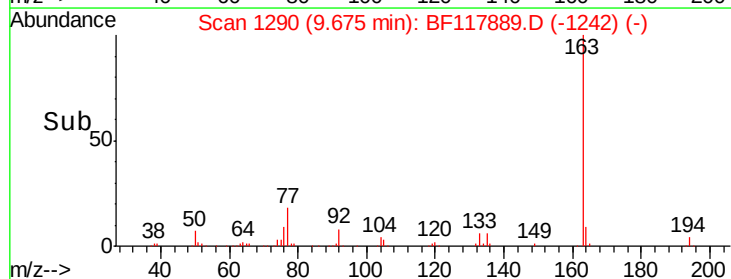
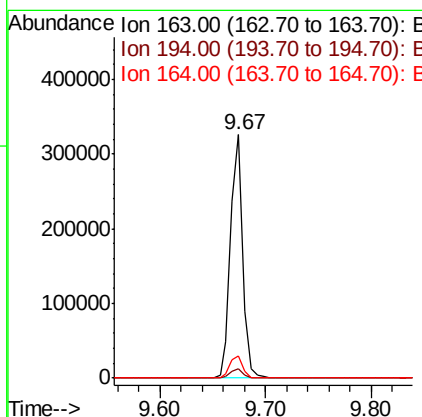
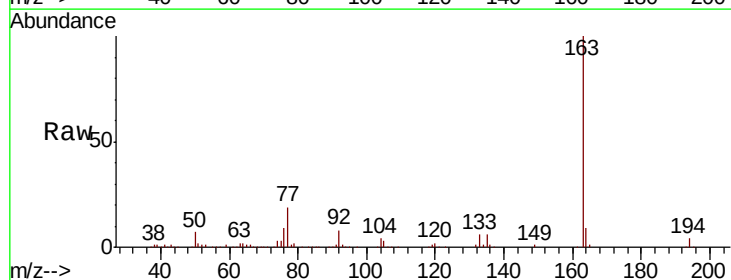
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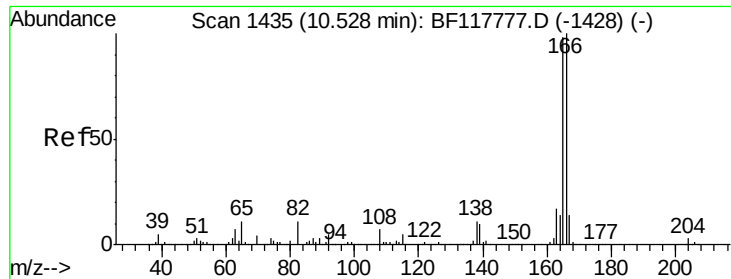
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#50
Dimethylphthalate
Concen: 11.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.4	8.7	13.1





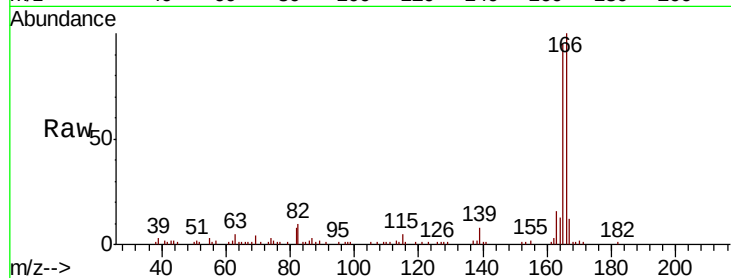
#58
 Fluorene
 Concen: 2.399 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.4	117.6
167	12.3	11.0	16.4

Manual Integrations
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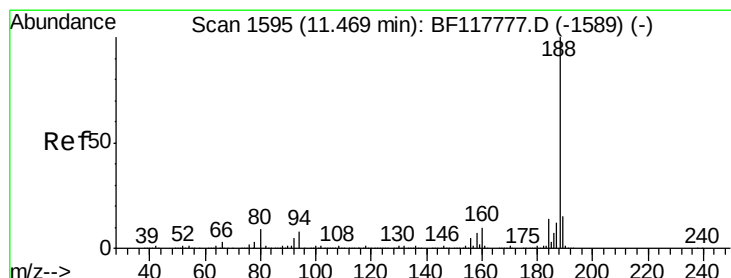
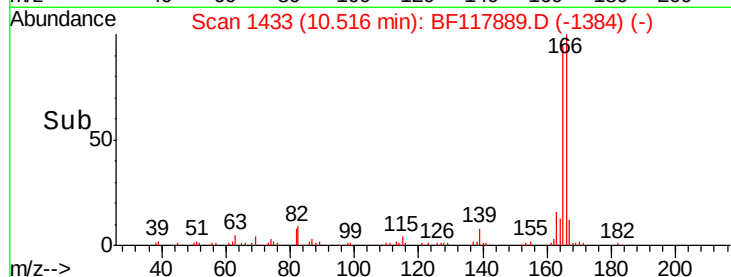
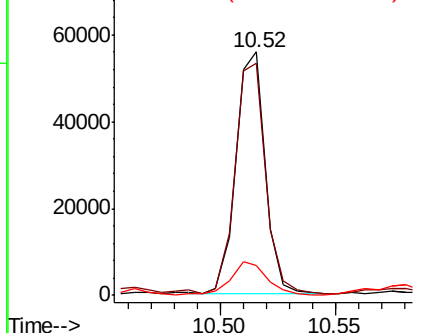


Abundance

Ion 166.00 (165.70 to 166.70): E

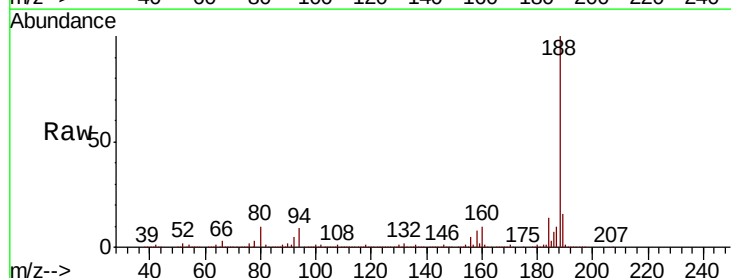
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.6	7.2	10.8

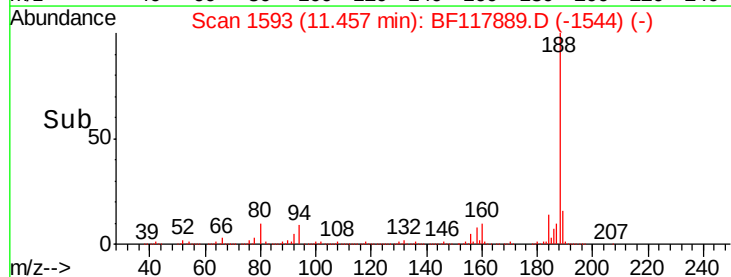
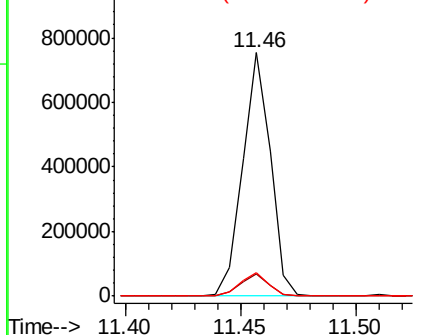


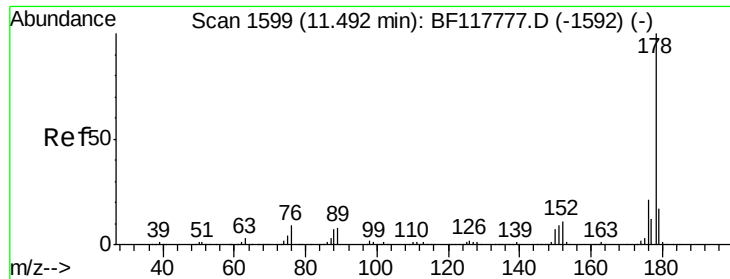
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





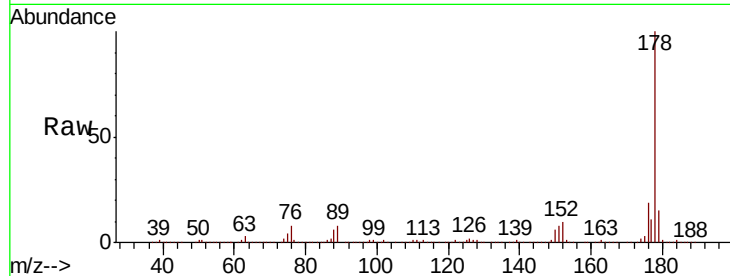
#71
 Phenanthrene
 Concen: 23.910 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Instrument :
 BNA_F
 ClientSampled :
 B-8-2-(6-12)

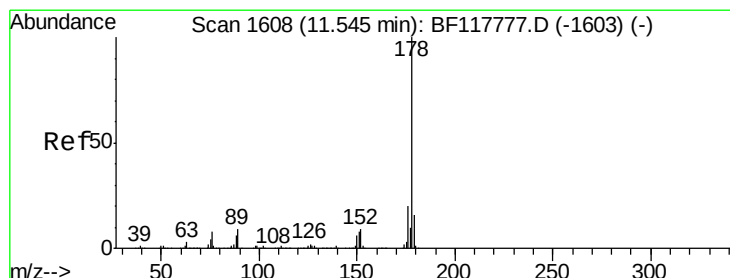
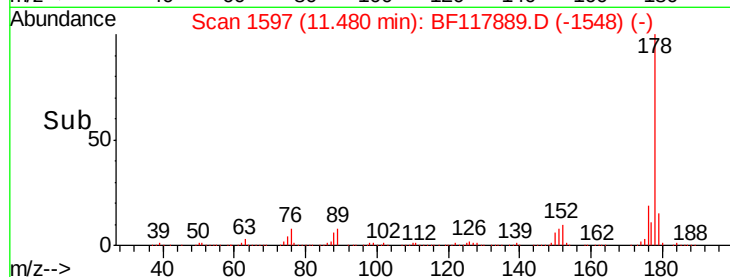
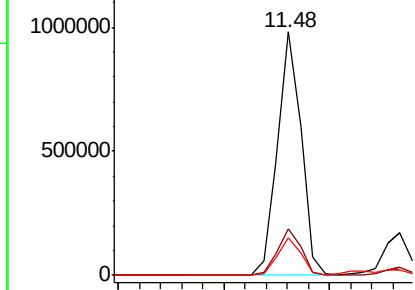
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	15.4	13.2	19.8

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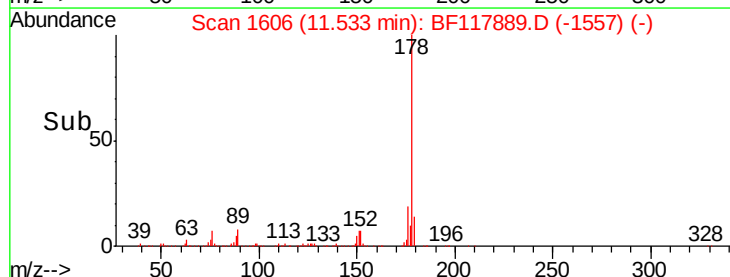
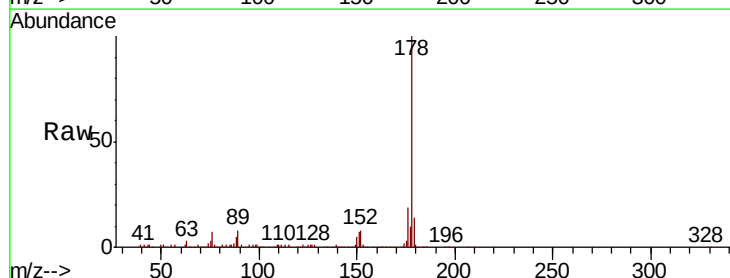
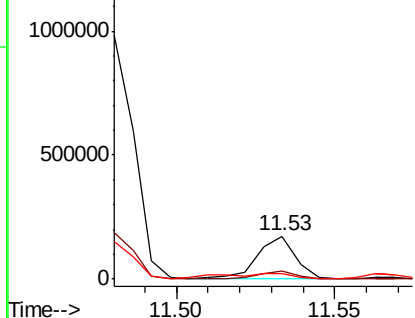
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

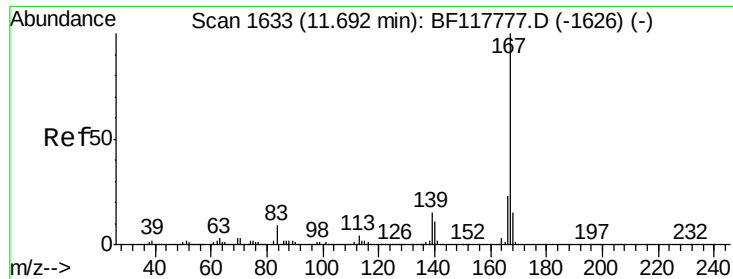


#72
 Anthracene
 Concen: 4.522 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.1	24.1
179	14.4	13.0	19.4

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





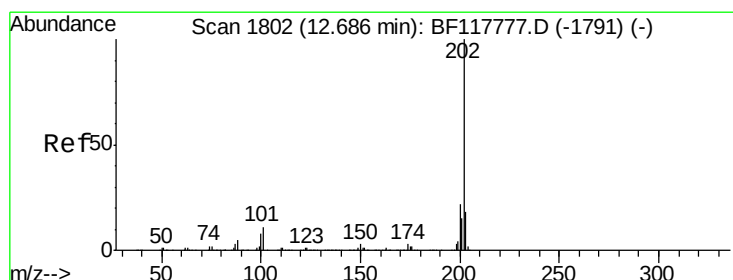
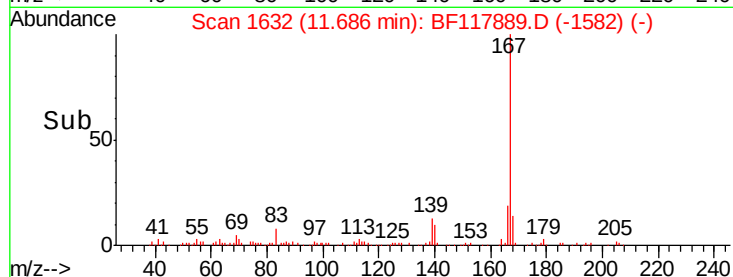
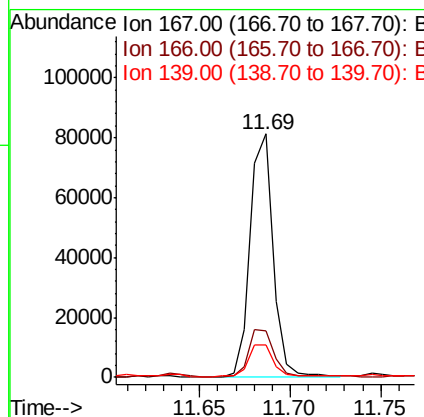
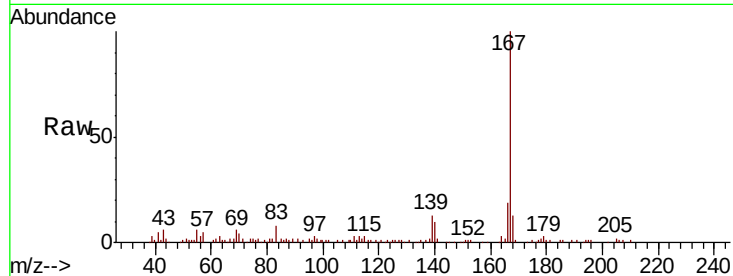
#73
 Carbazole
 Concen: 2.606 ng
 RT: 11.69 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
167	100		
166	19.0	18.0	27.0
139	13.3	11.7	17.5

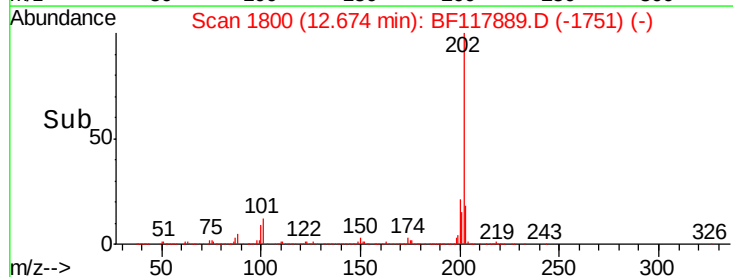
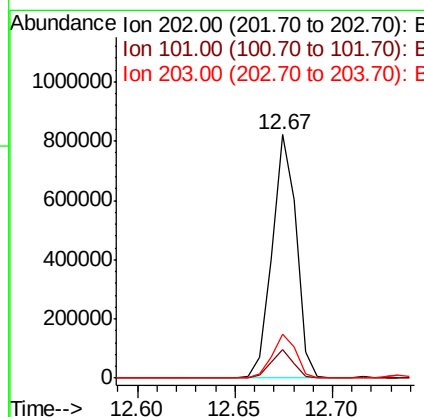
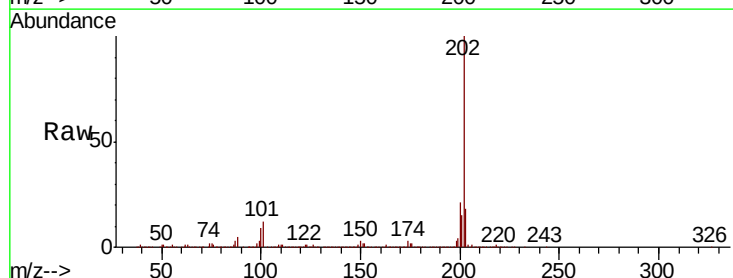
Manual Integrations
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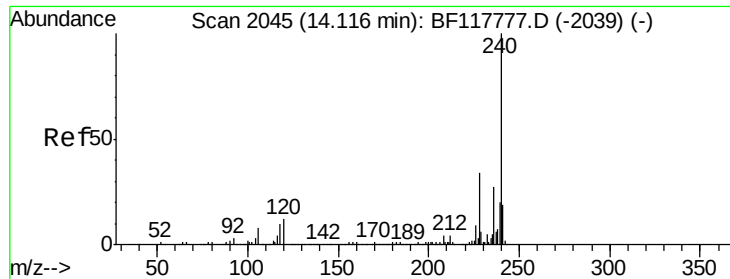
mohammad
 11/21/2019 1:05:06 PM



#75
 Fluoranthene
 Concen: 19.923 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.1
203	18.1	0.0	38.2





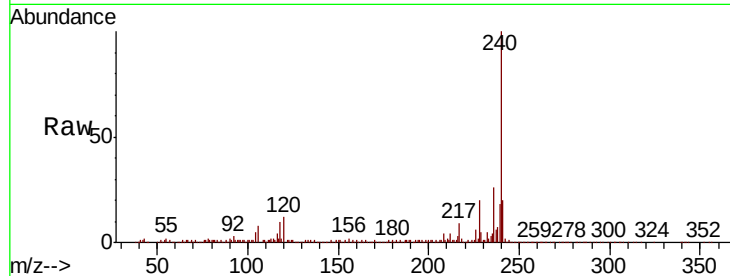
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	26.1	21.3	31.9

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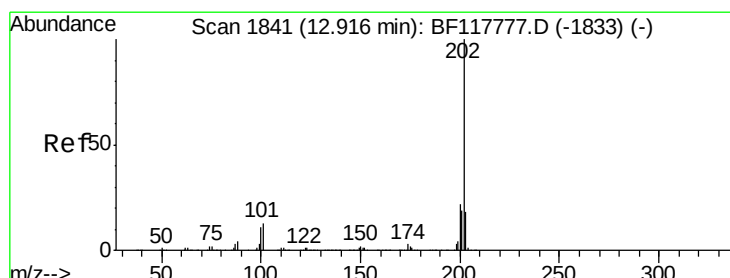
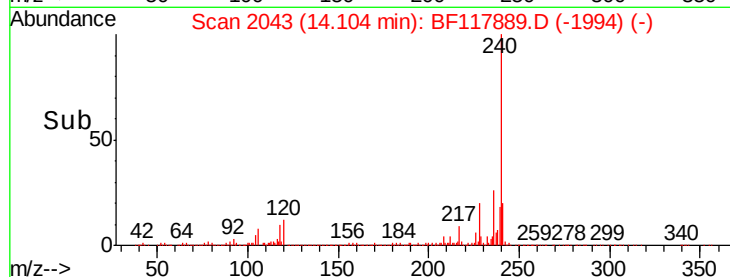
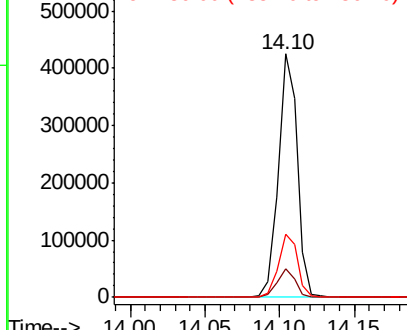


Abundance

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
Pyrene
Concen: 16.196 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

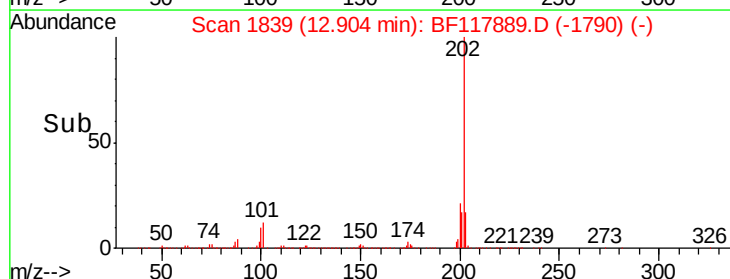
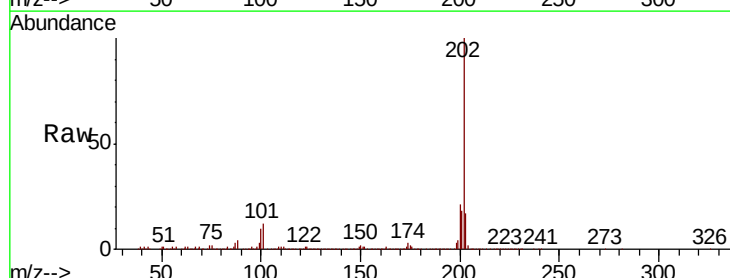
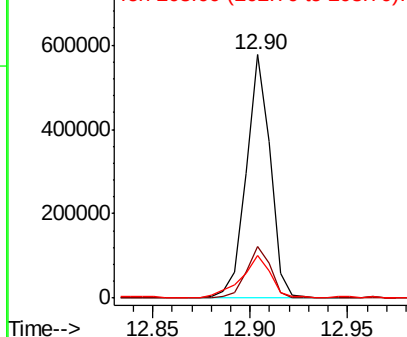
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.8
203	17.4	14.6	22.0

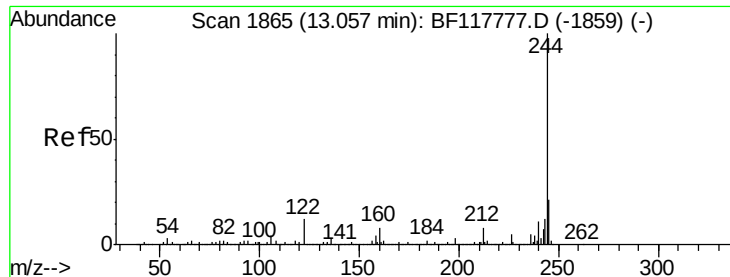
Abundance

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: 64.121 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117889.D

Acq: 20 Nov 2019 13:31

Instrument :

BNA_F

ClientSampleId :

B-8-2-(6-12)

Tot Ion:244 Resp: 1315605

Ion Ratio Lower Upper

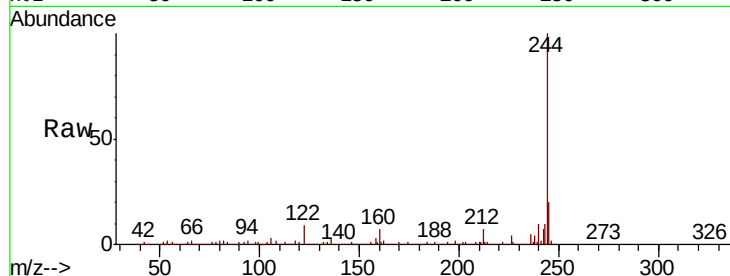
244 100

212 7.2 6.3 9.5

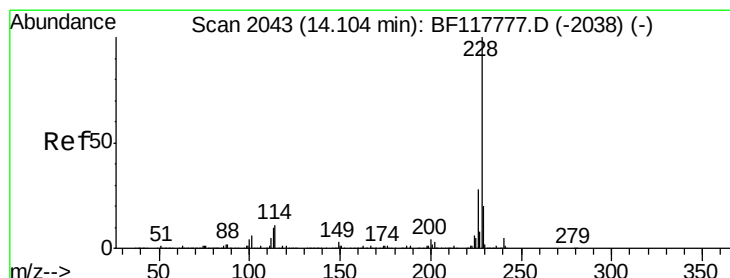
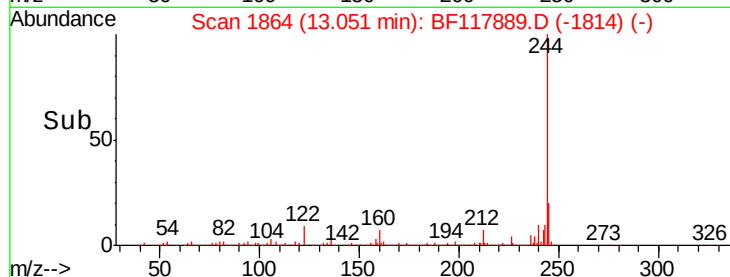
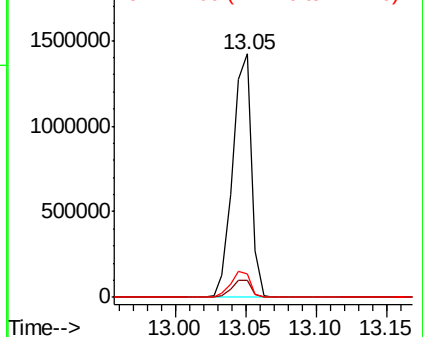
122 9.5 9.4 14.2

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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: 9.964 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117889.D

Acq: 20 Nov 2019 13:31

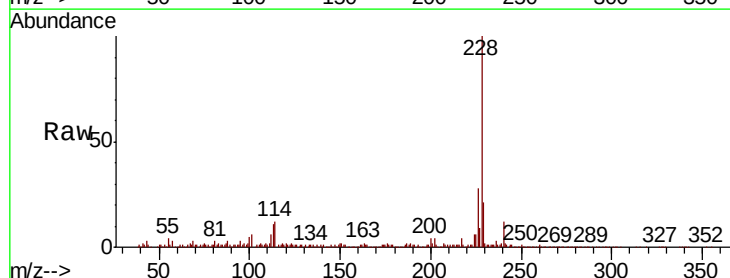
Tgt Ion:228 Resp: 246907

Ion Ratio Lower Upper

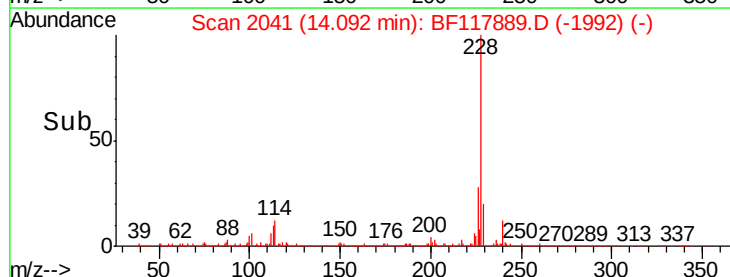
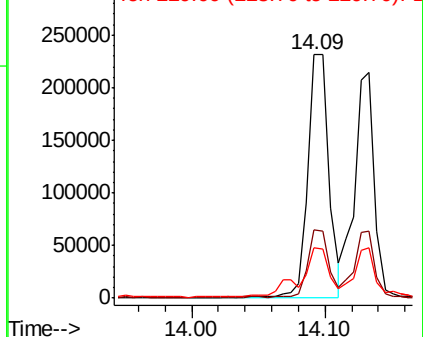
228 100

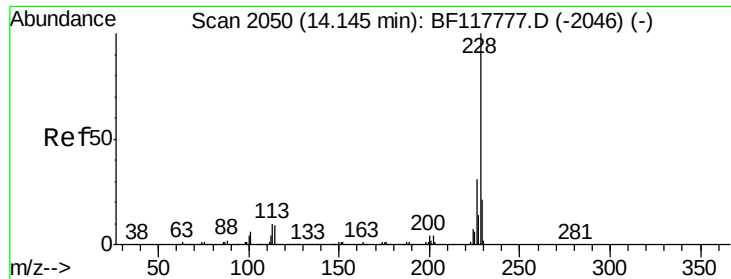
226 28.2 22.2 33.2

229 20.9 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





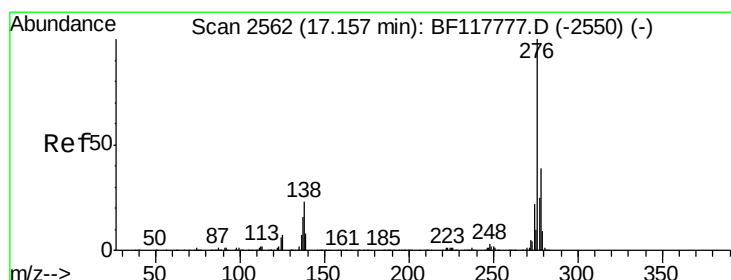
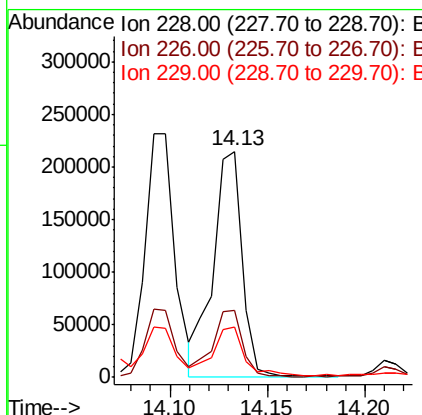
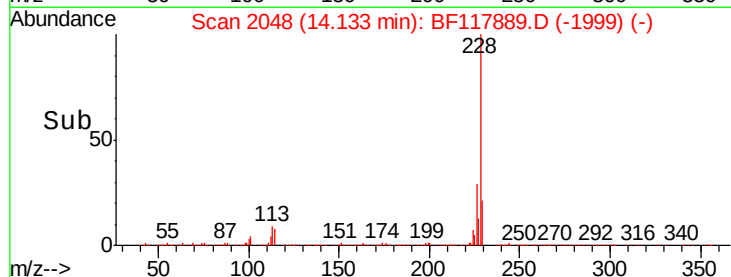
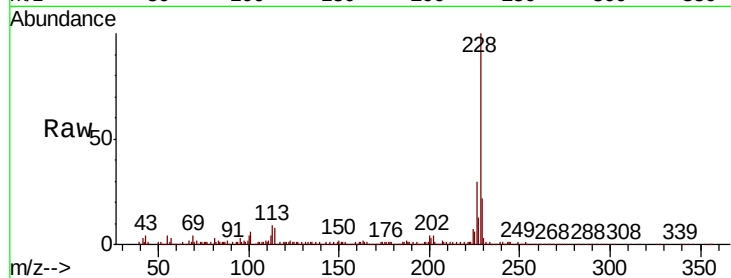
#83
Chrysene
Concen: 9.252 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion:	228	Resp:	222156
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.4
229	22.2	16.6	25.0

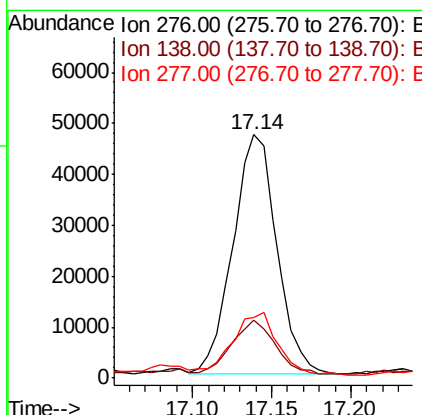
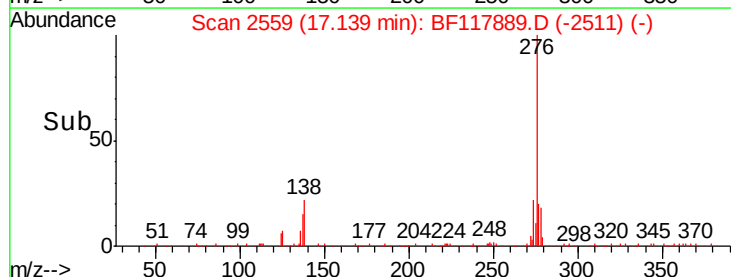
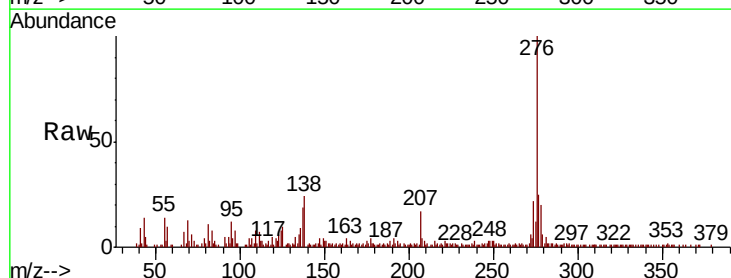
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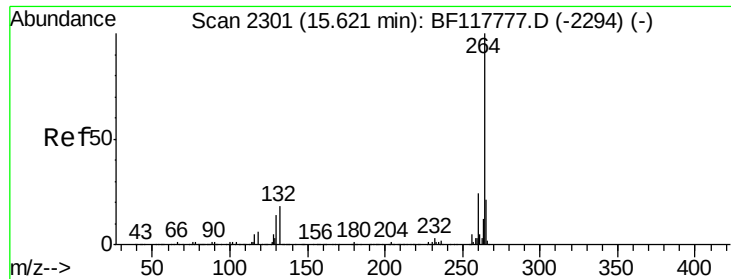
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.402 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion:	276	Resp:	89954
Ion Ratio	Lower	Upper	
276	100		
138	22.8	20.9	31.3
277	26.5	20.3	30.5





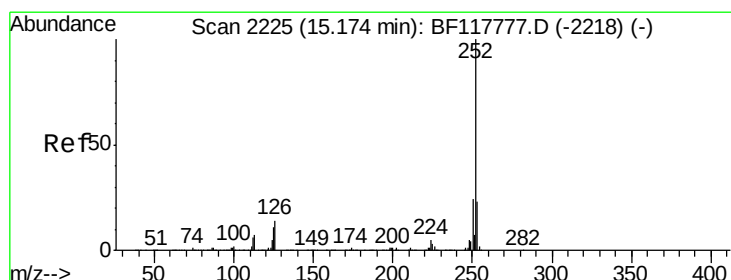
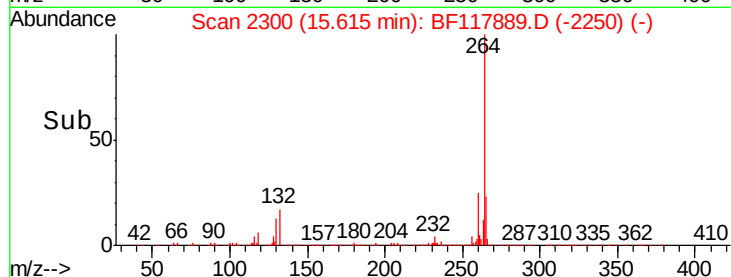
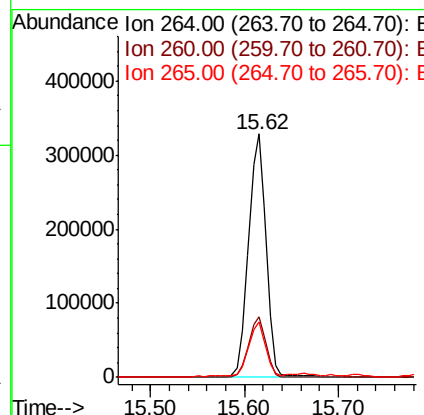
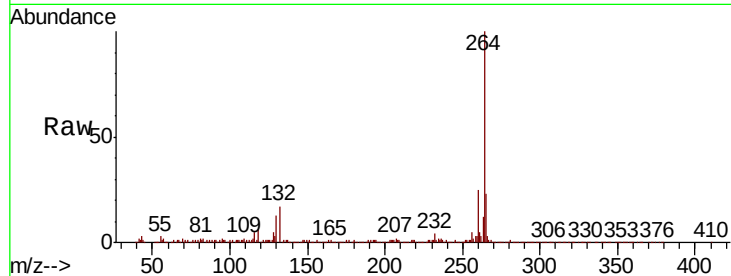
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.0
265	23.0	17.1	25.7

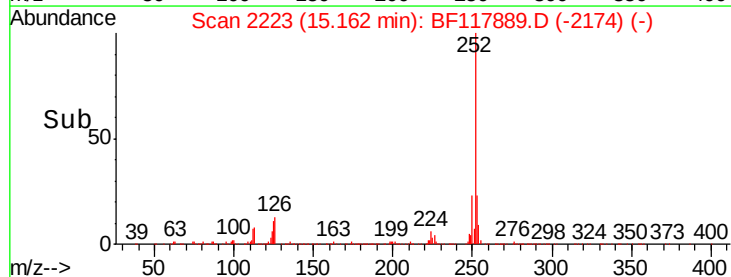
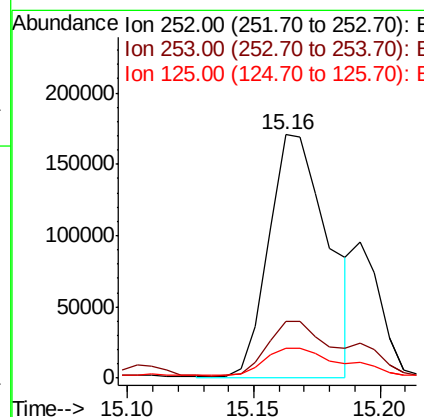
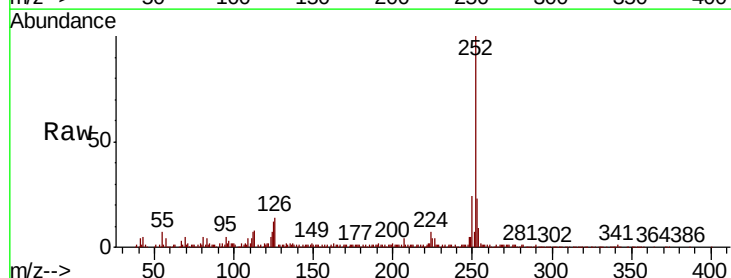
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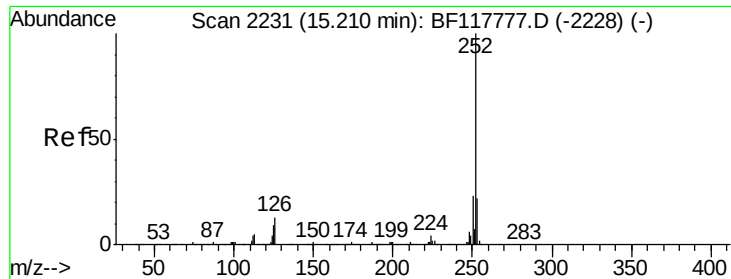
mohammad
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#88
Benzo(b)fluoranthene
Concen: 10.206 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.4	8.6	13.0





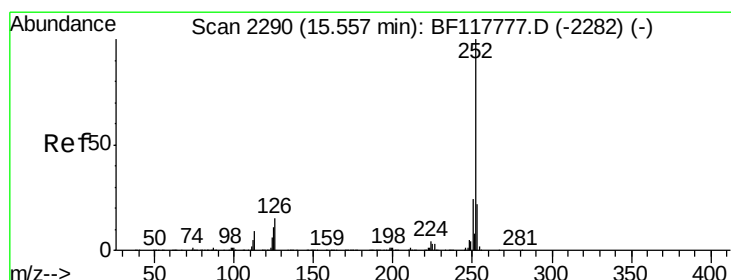
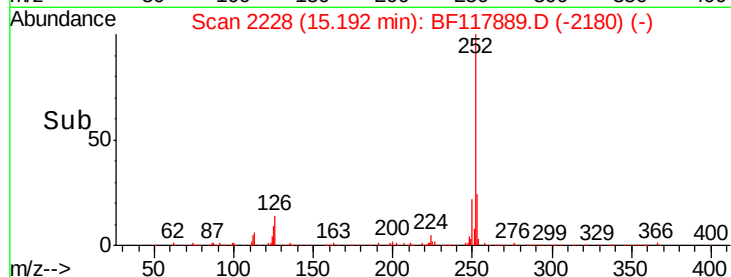
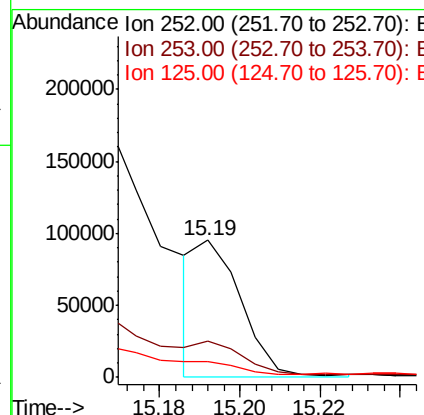
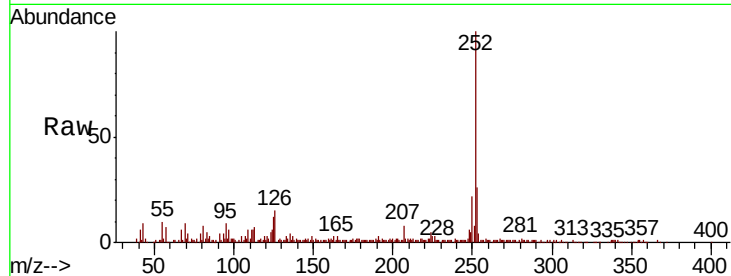
#89
Benzo(k)fluoranthene
Concen: 2.829 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Instrument :
BNA_F
ClientSampleId :
B-8-2-(6-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	11.9	7.9	11.9#

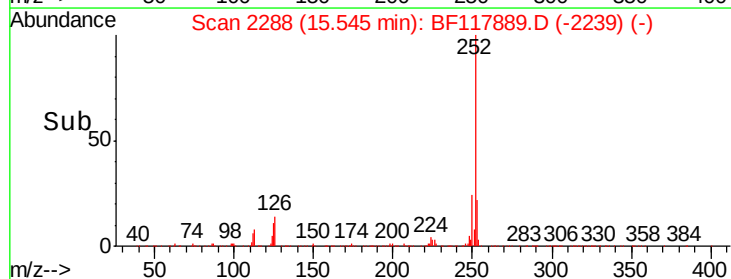
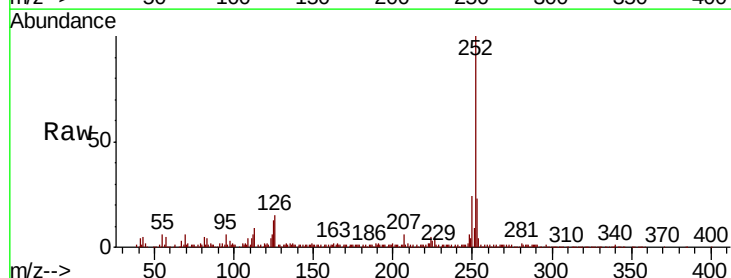
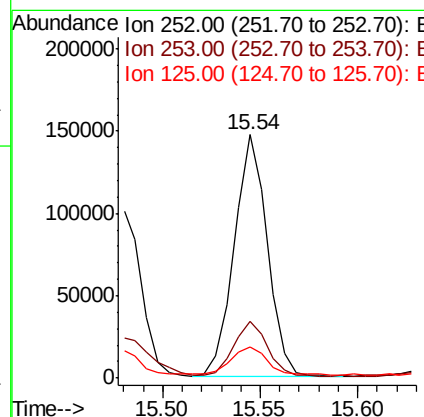
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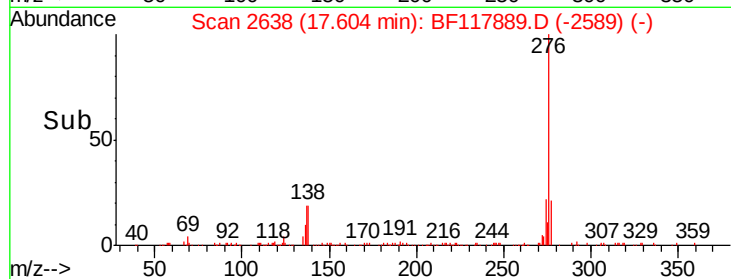
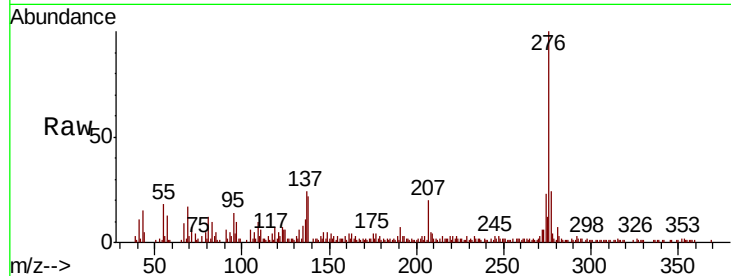
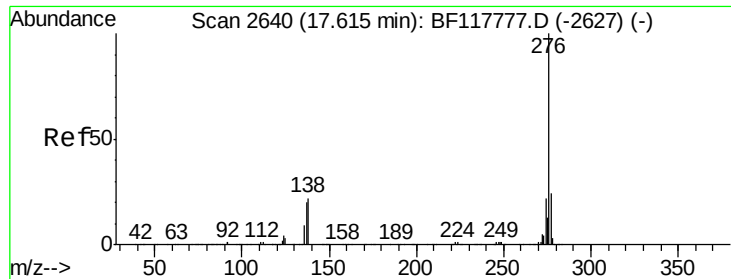
mohammad
11/21/2019 1:05:06 PM



#90
Benzo(a)pyrene
Concen: 7.144 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117889.D
Acq: 20 Nov 2019 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.6	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.690 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF117889.D
 Acq: 20 Nov 2019 13:31

Instrument :
 BNA_F
 ClientSampleId :
 B-8-2-(6-12)

Tot Ion:	276	Resp:	76555
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.9	28.3
138	22.3	17.4	26.2

Manual Integrations
 APPROVED

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 11/21/2019 1:05:06 PM

