

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
 Data File : BF117825.D
 Acq On : 16 Nov 2019 1:24
 Operator : JU
 Sample : K5832-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-(4-6)

Manual Integrations
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Quant Time: Nov 18 03:43:50 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	236881	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	913012	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	480581	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	856531	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	557598	20.00	ng	0.00
87) Perylene-d12	15.62	264	661078	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	881127	65.84	ng	0.00
7) Phenol-d6	6.54	99	1857751	115.09	ng	0.00
23) Nitrobenzene-d5	7.48	82	1264211	82.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	139001	27.32	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	2274398	84.90	ng	0.00
79) Terphenyl-d14	13.05	244	2312496	75.80	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	76436	4.557	ng	92
49) Acenaphthylene	9.83	152	127397	2.979	ng	98
50) Dimethylphthalate	9.67	163	458316	13.600	ng	99
71) Phenanthrene	11.48	178	525227	12.197	ng	97
72) Anthracene	11.53	178	159184	3.728	ng	98
75) Fluoranthene	12.68	202	951127	20.089	ng	98
78) Pyrene	12.91	202	1004375	22.288	ng	99
81) Benzo(a)anthracene	14.10	228	433292	11.759	ng	94
83) Chrysene	14.13	228	506301	14.180	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	285017	9.379	ng	94
88) Benzo(b)fluoranthene	15.17	252	798394m	18.589	ng	
89) Benzo(k)fluoranthene	15.20	252	209117m	5.167	ng	
90) Benzo(a)pyrene	15.55	252	398952	10.563	ng	98
91) Dibenzo(a,h)anthracene	17.16	278	71812m	2.209	ng	
92) Benzo(a,h,i)perylene	17.61	276	264249	8.161	ng	96

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

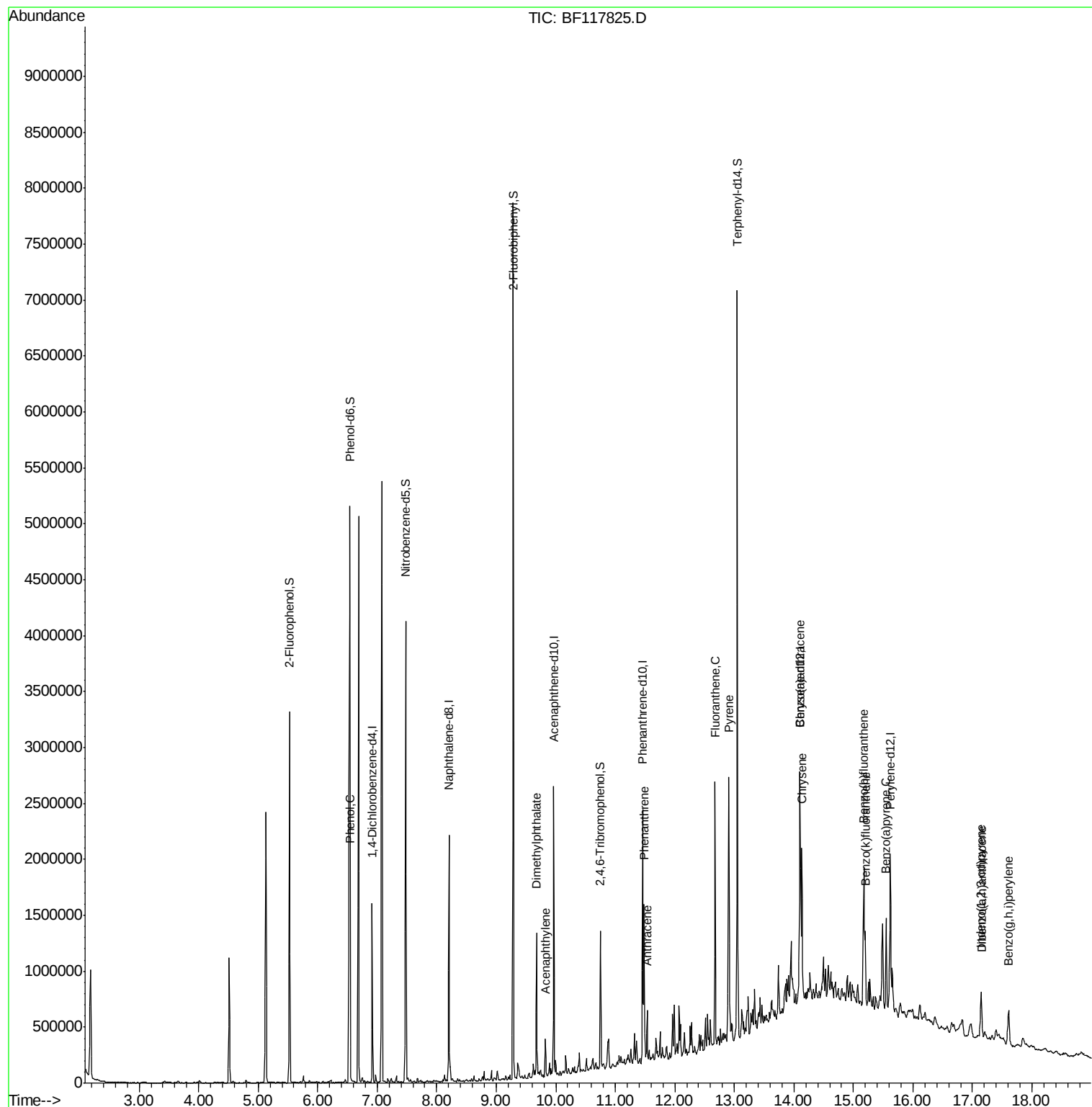
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117825.D
Acq On : 16 Nov 2019 1:24
Operator : JU
Sample : K5832-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

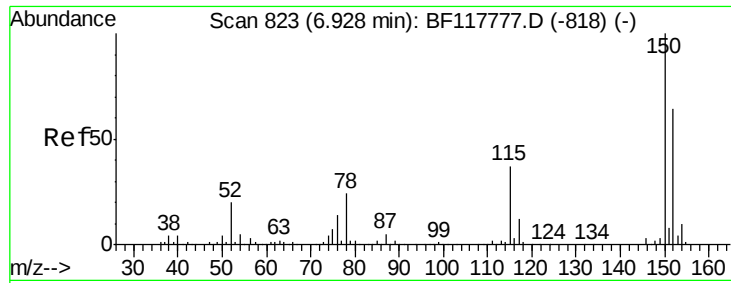
Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Quant Time: Nov 18 03:43:50 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

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#1

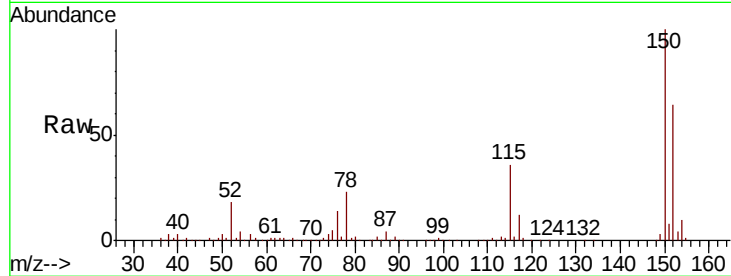
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampled :
5-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.3	187.9
115	56.5	47.0	70.4

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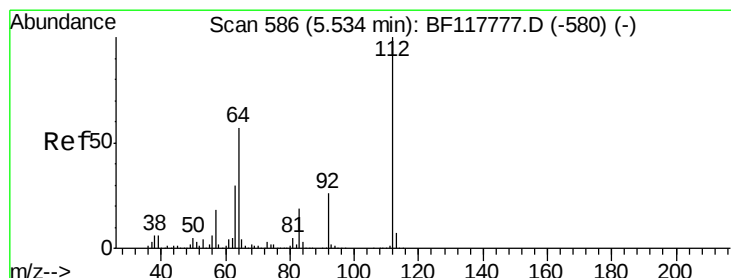
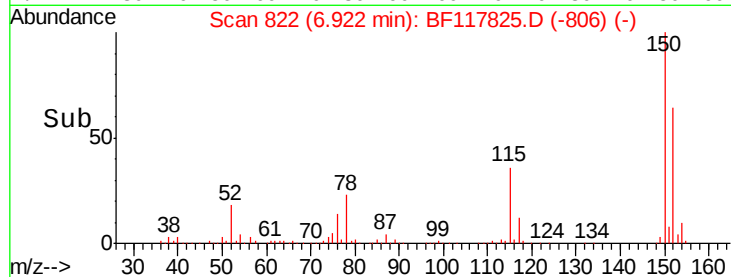
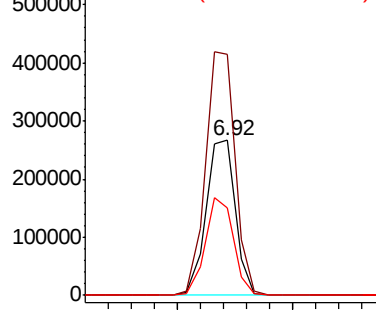


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

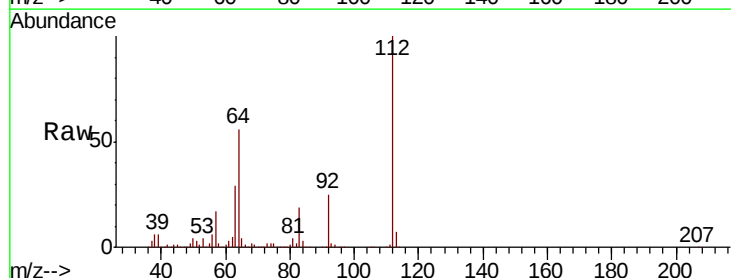
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.843 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.6	68.4
63	29.3	24.1	36.1

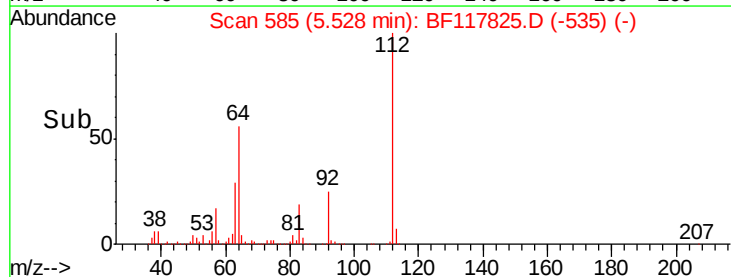
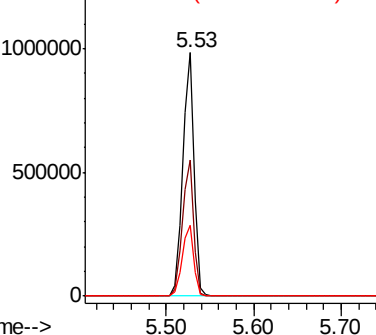


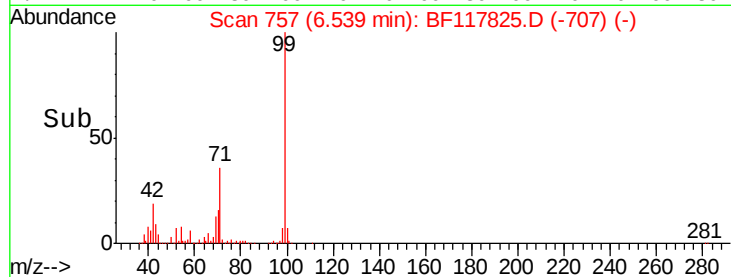
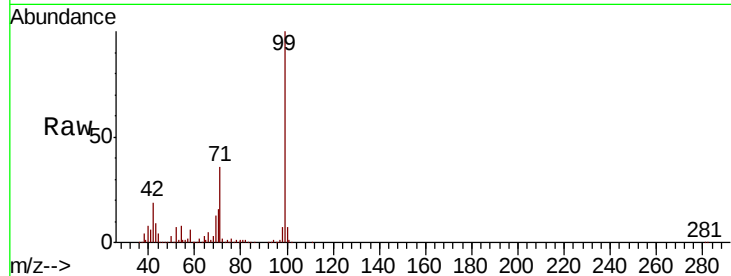
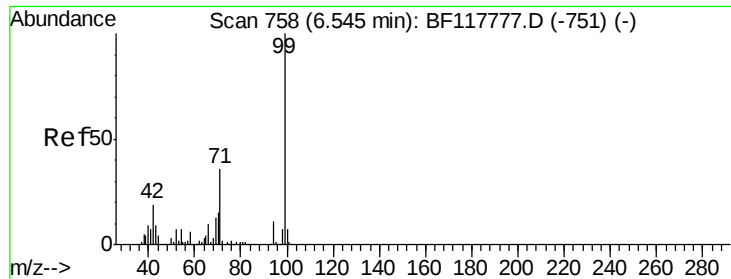
Abundance

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: 115.094 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Tot Ion:	99	Resp:	1857751
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	36.3	28.6	43.0

Instrument :

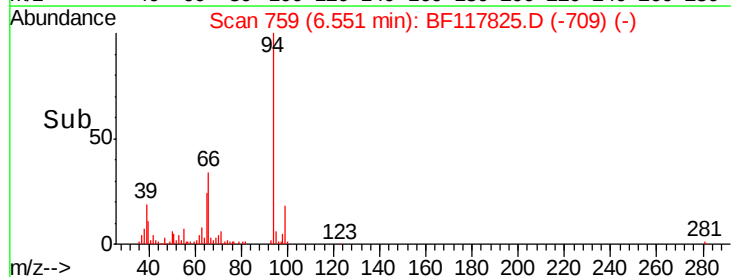
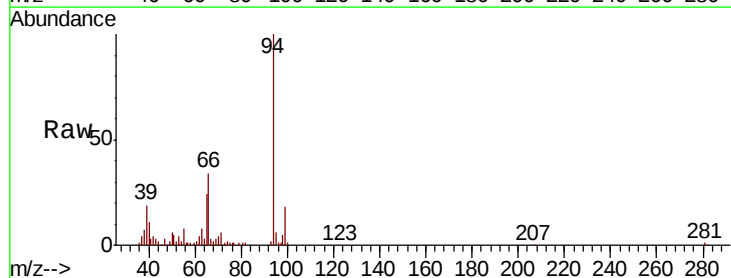
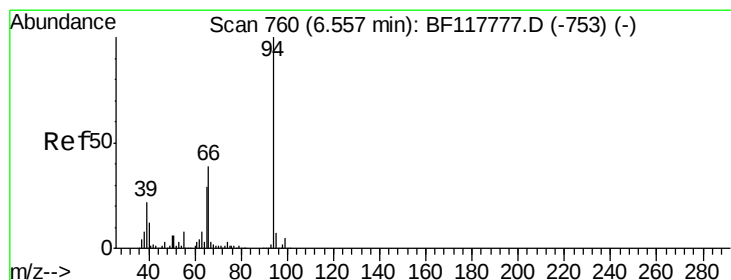
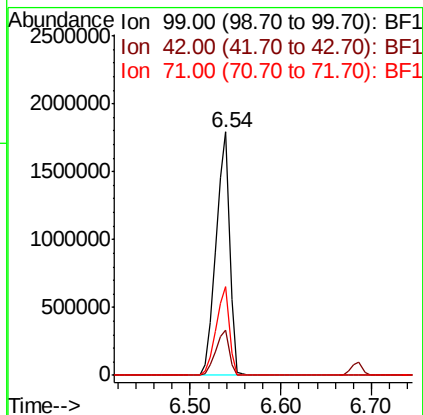
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 4.557 ng

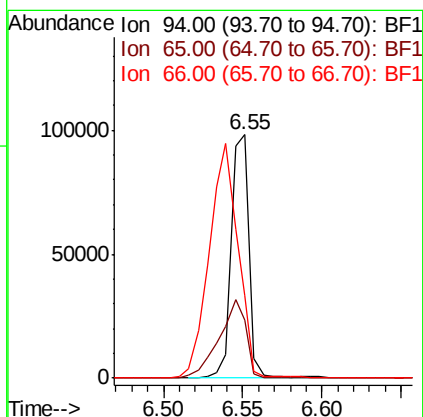
RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Tgt Ion:	94	Resp:	76436
Ion	Ratio	Lower	Upper
94	100		
65	24.0	8.9	48.9
66	33.9	18.7	58.7





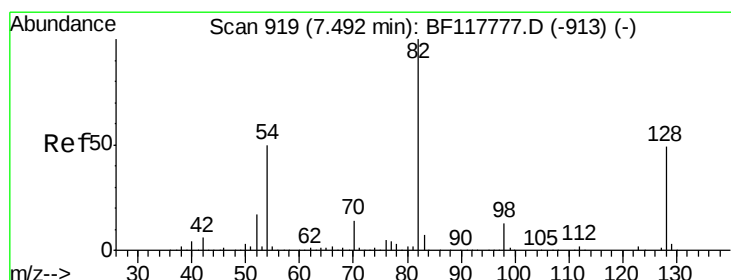
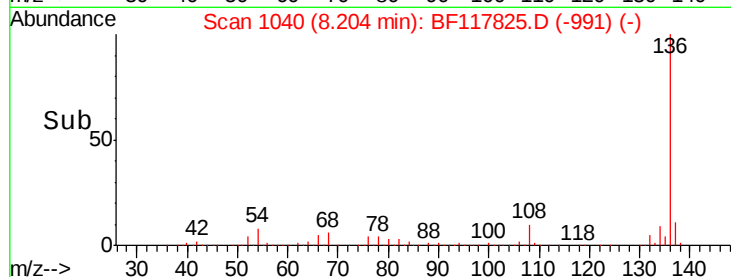
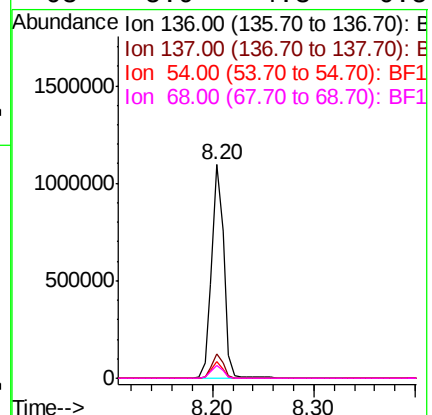
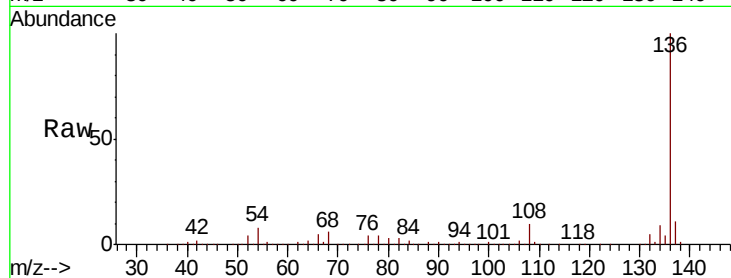
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	9.0	13.4	
54	7.8	5.4	8.2	
68	5.9	4.3	6.5	

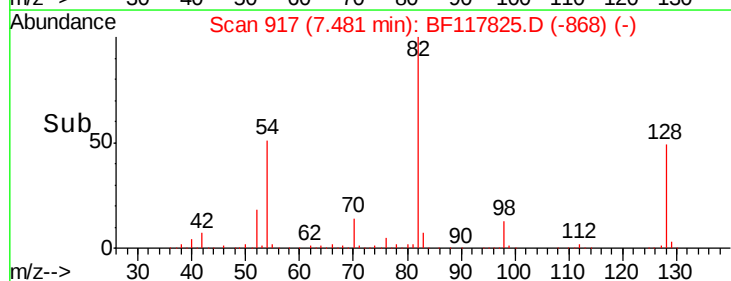
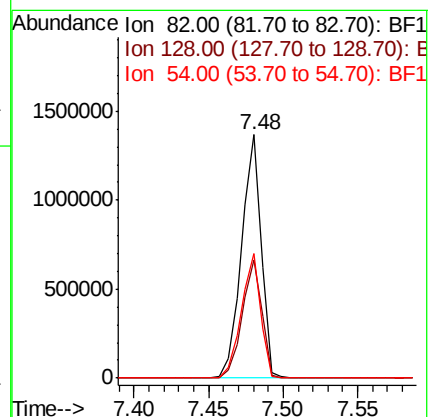
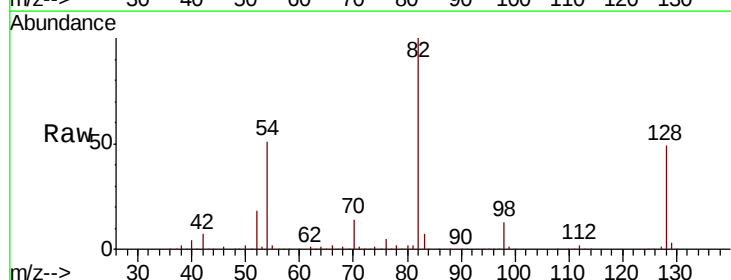
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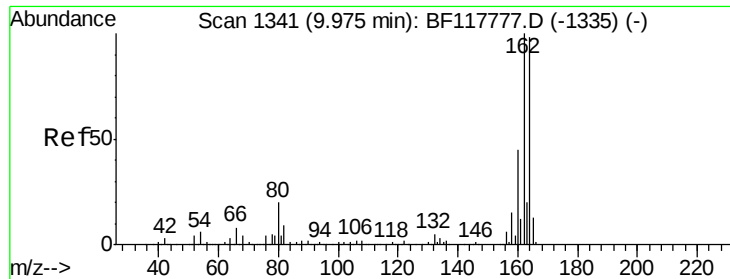
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#23
Nitrobenzene-d5
Concen: 82.312 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117825.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.6	38.9	58.3	
54	51.0	39.8	59.6	





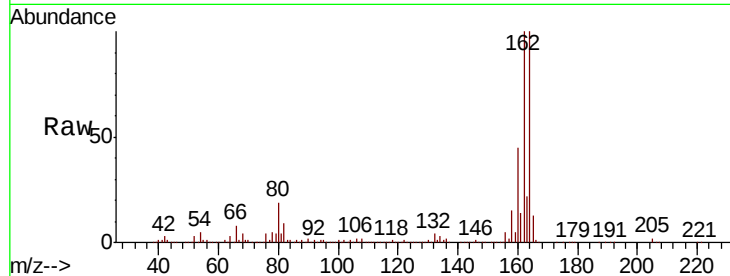
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.0	81.3	121.9	
160	45.0	36.6	55.0	

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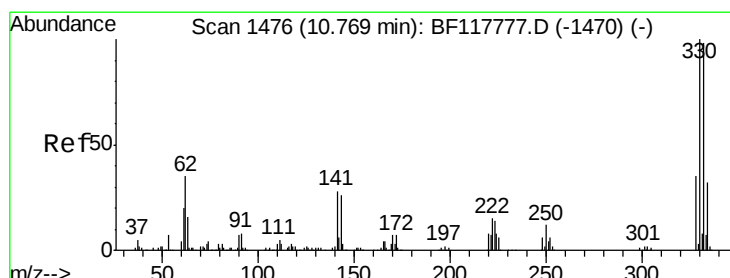
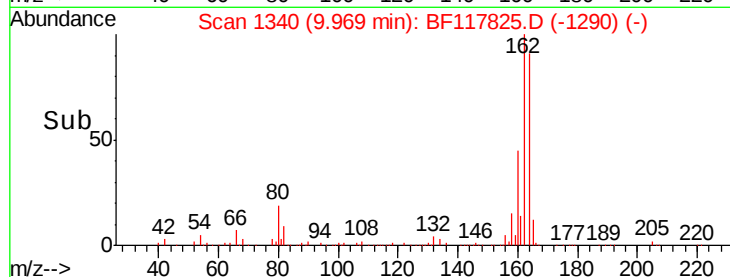
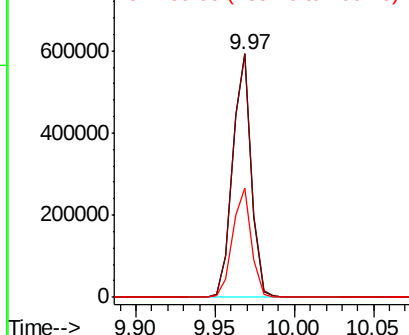


Abundance

Ion 164.00 (163.70 to 164.70): E

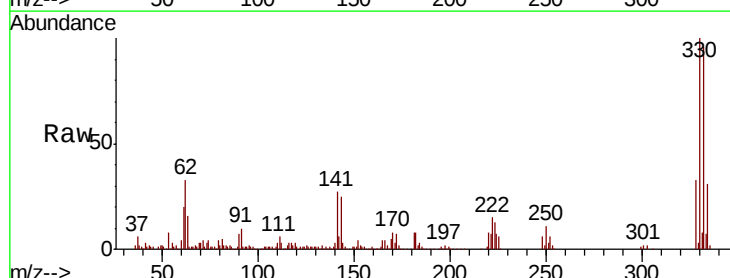
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 27.320 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.7	115.1	
141	34.8	27.7	41.5	

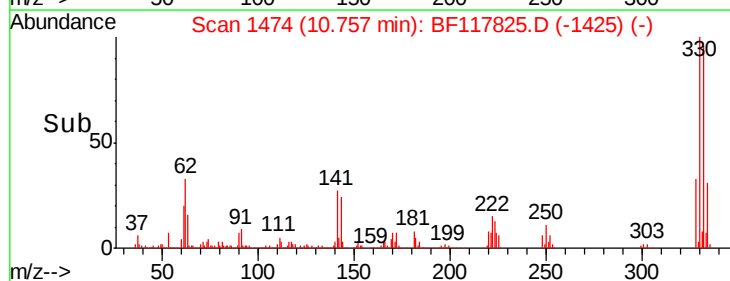
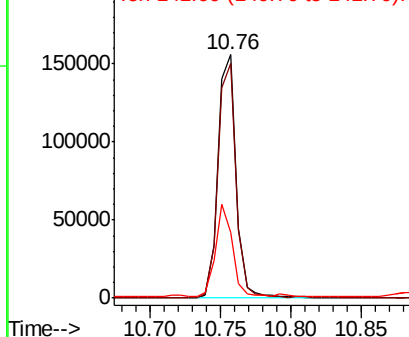


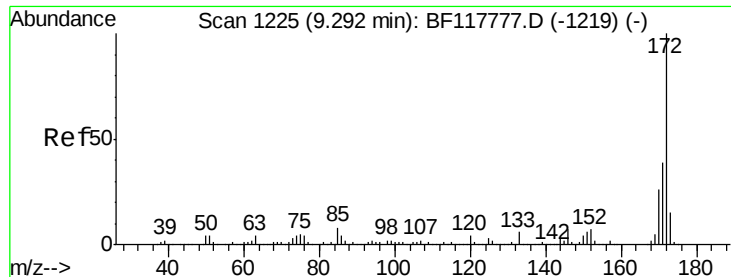
Abundance

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





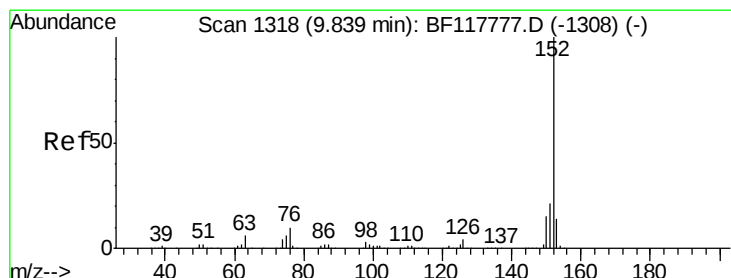
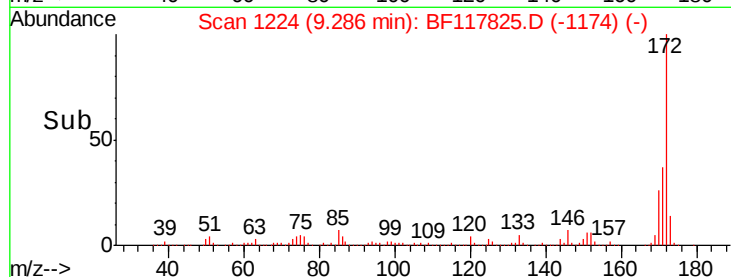
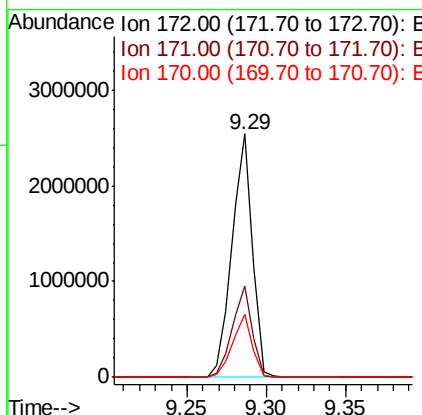
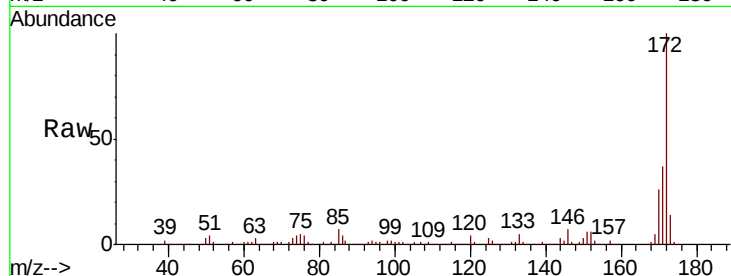
#45
2-Fluorobiphenyl
Concen: 84.905 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.9	46.3
170	25.9	21.0	31.4

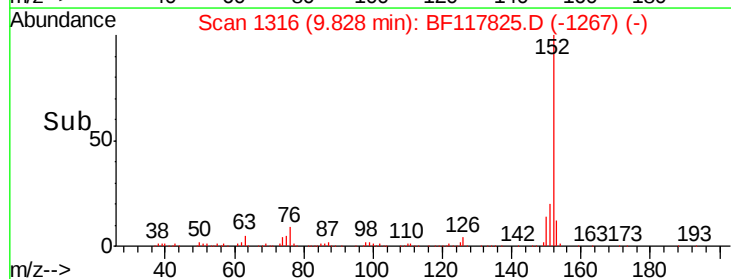
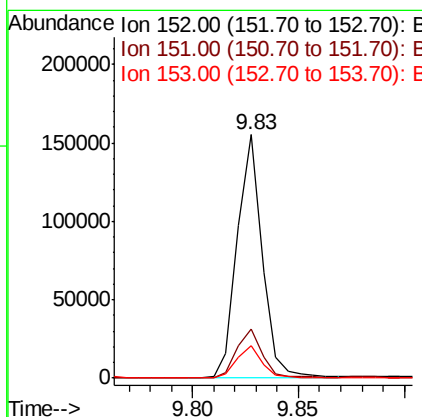
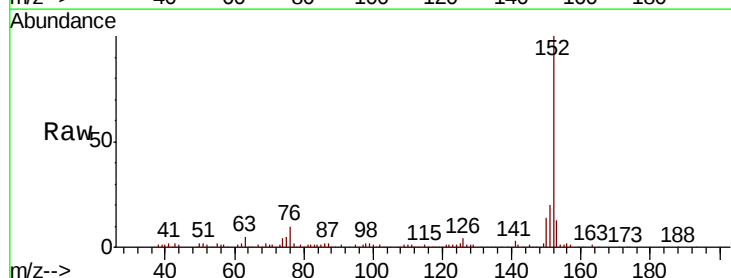
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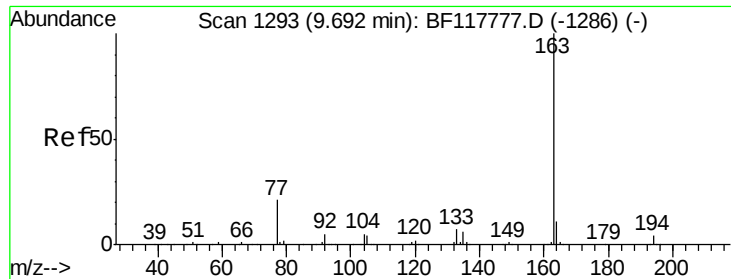
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#49
Acenaphthylene
Concen: 2.979 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.0	25.6
153	13.3	11.0	16.6





#50

Dimethylphthalate

Concen: 13.600 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

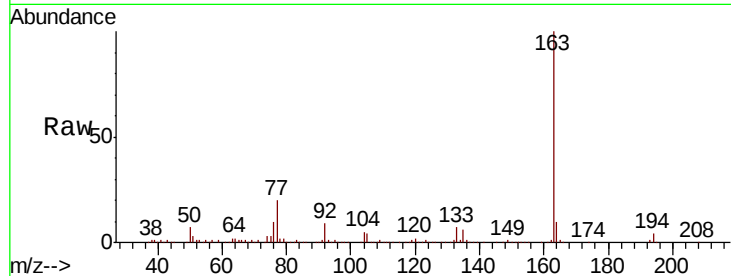
ClientSampleId :

5-(4-6)

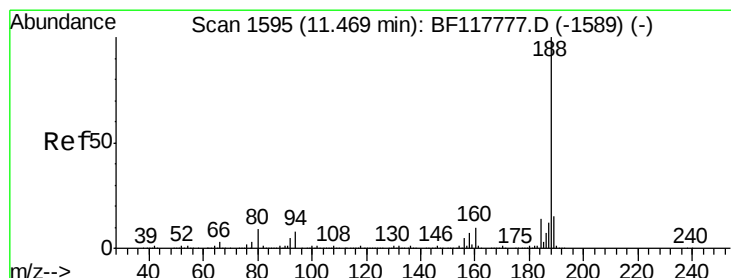
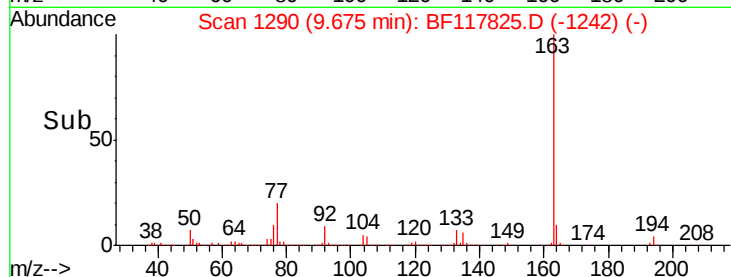
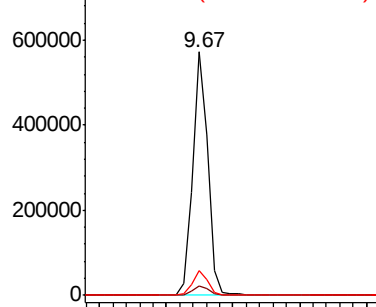
Tot Ion:	163	Resp:	458316
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.3	8.7	13.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

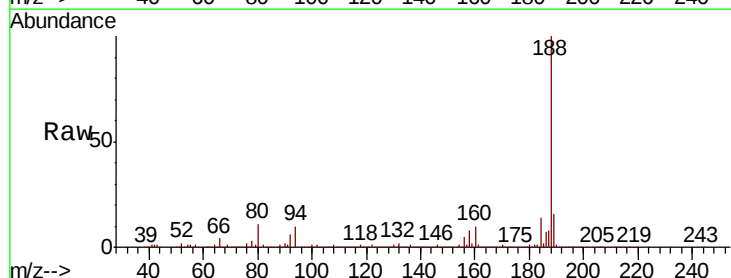
RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

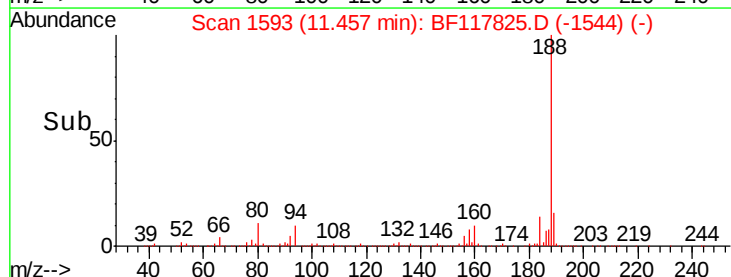
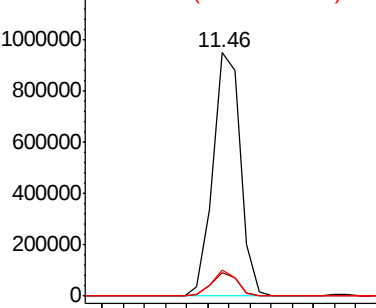
Lab File: BF117825.D

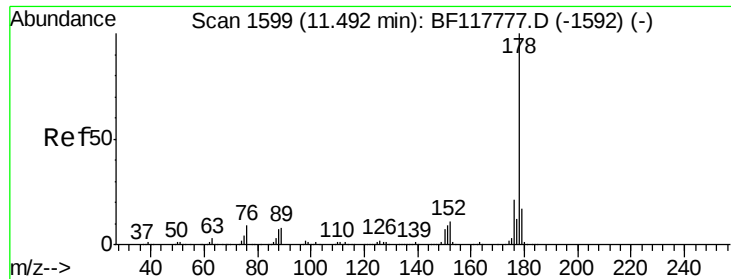
Acq: 16 Nov 2019 1:24

Tgt Ion:	188	Resp:	856531
Ion Ratio	Lower	Upper	
188	100		
94	9.7	6.6	10.0
80	10.8	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





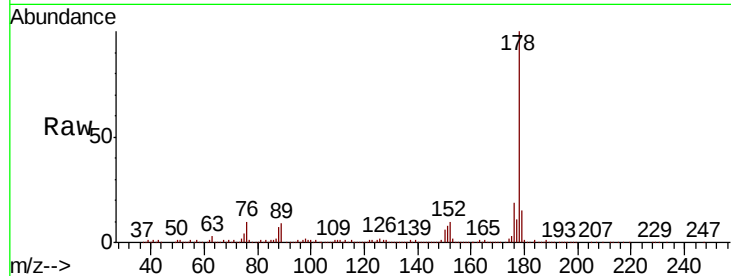
#71
Phenanthrene
Concen: 12.197 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	15.3	13.2	19.8

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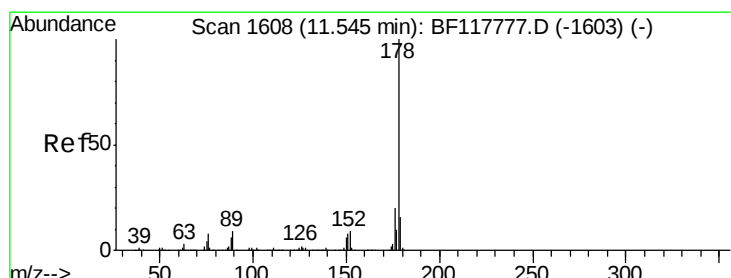
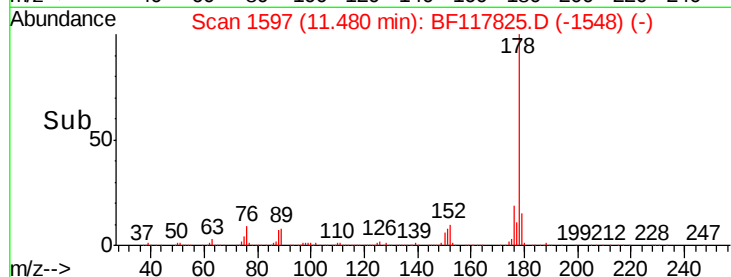
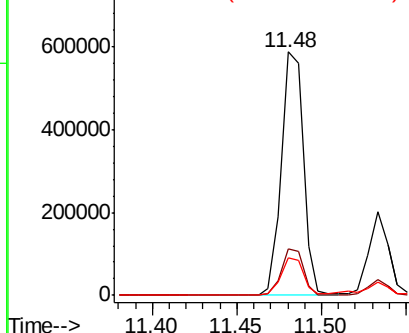


Abundance

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: 3.728 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

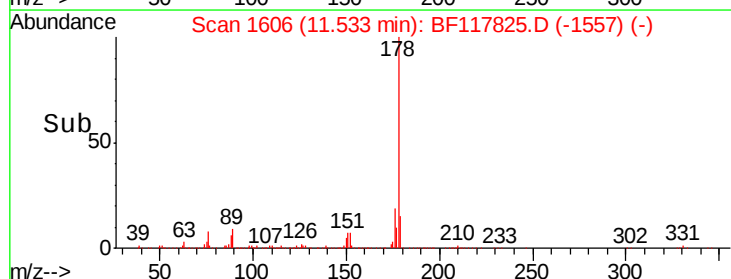
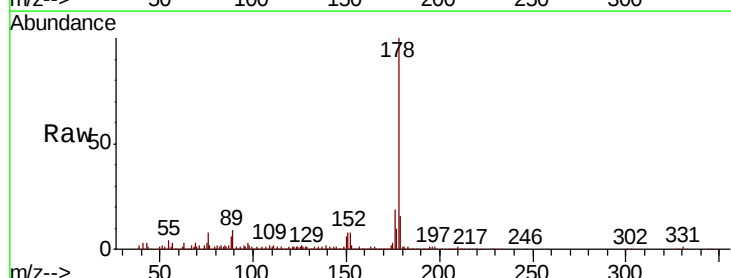
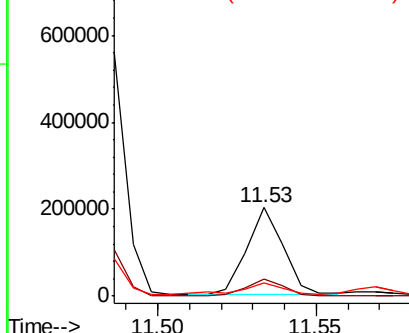
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	15.6	13.0	19.4

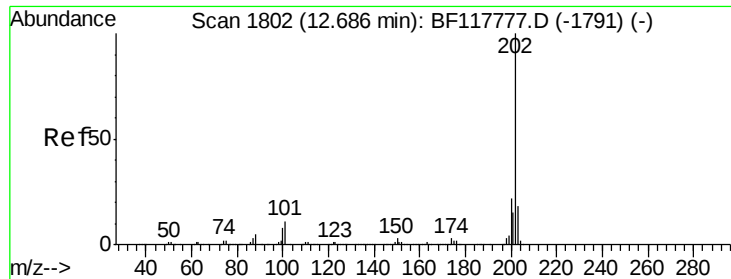
Abundance

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





#75

Fluoranthene

Concen: 20.089 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

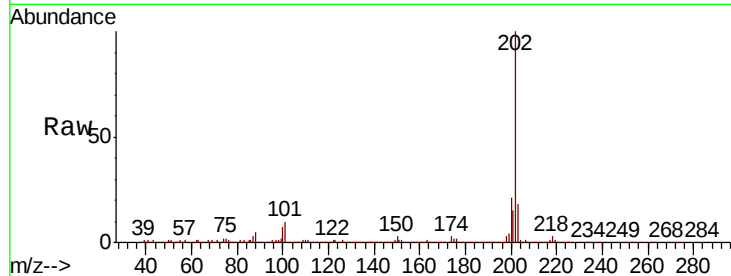
ClientSampled :

5-(4-6)

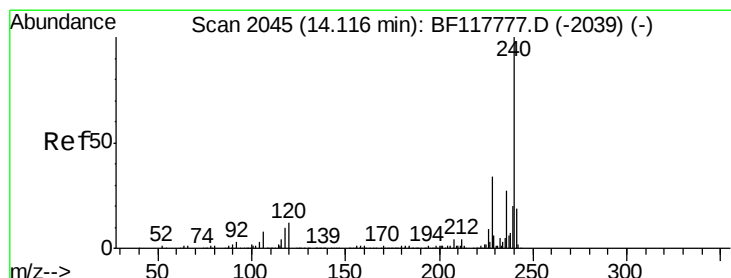
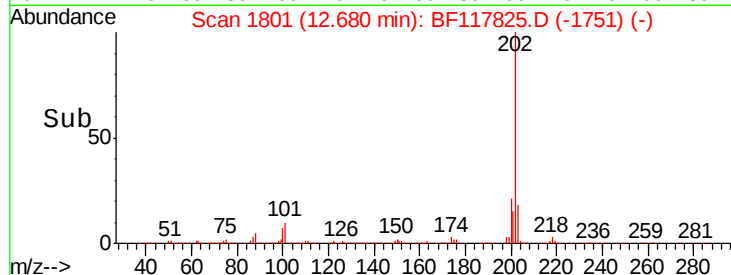
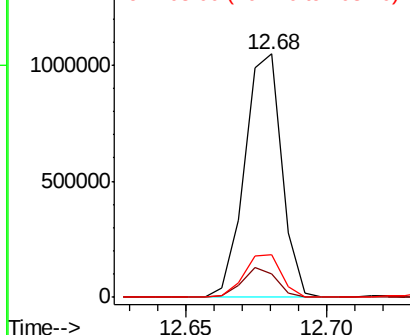
Tot Ion	Ratio	Resp	Lower	Upper
202	100	951127		
101	9.9	0.0	31.1	
203	17.7	0.0	38.2	

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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

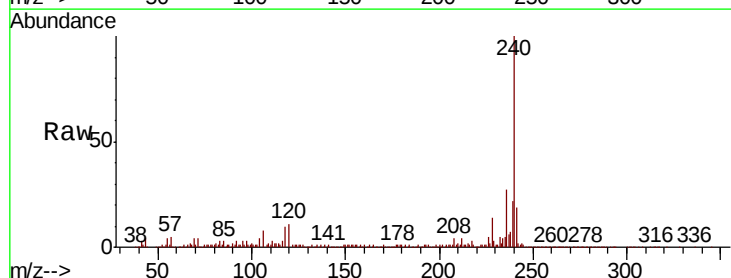
RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

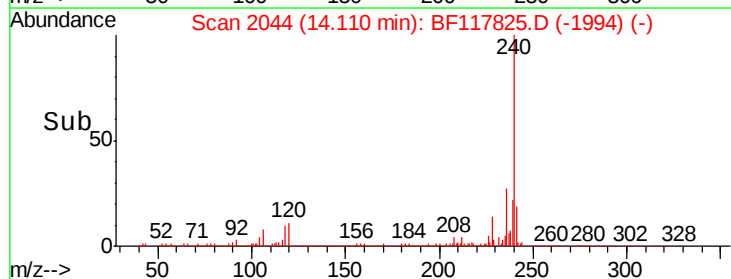
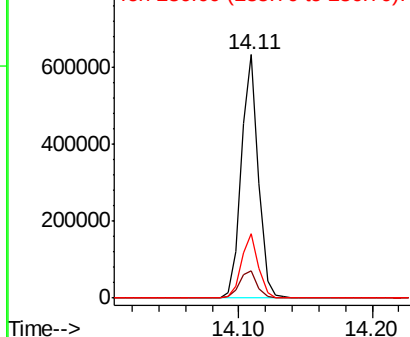
Lab File: BF117825.D

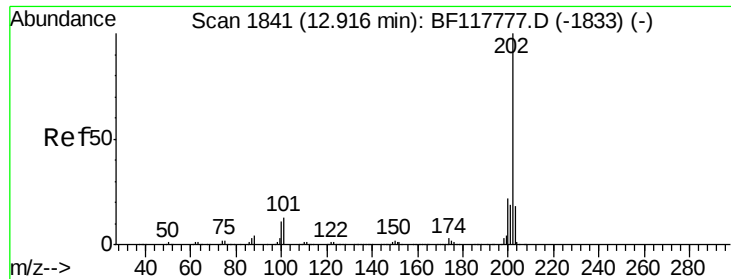
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	557598		
120	11.1	9.5	14.3	
236	26.6	21.3	31.9	



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: 22.288 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

Instrument :

BNA_F

ClientSampled :

5-(4-6)

Tot Ion:202 Resp: 1004375

Ion Ratio Lower Upper

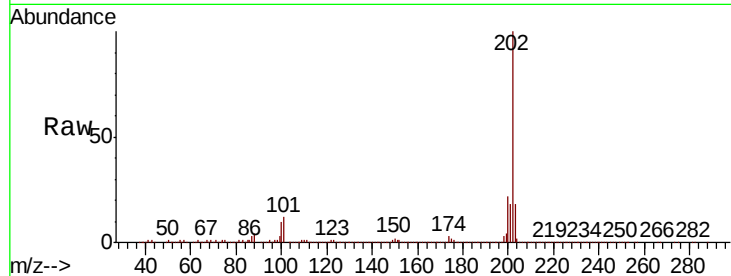
202 100

200 21.6 17.8 26.8

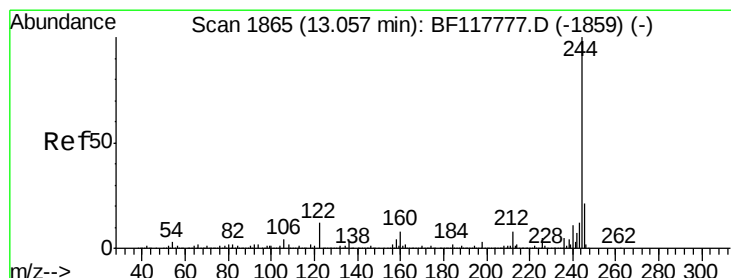
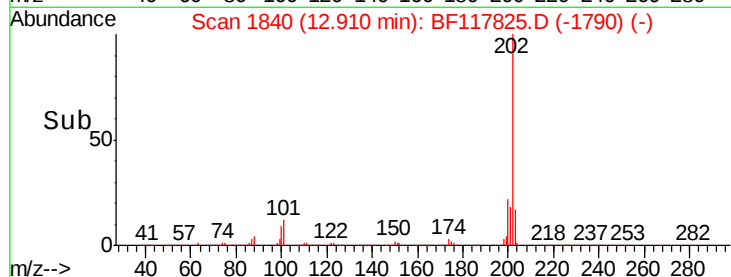
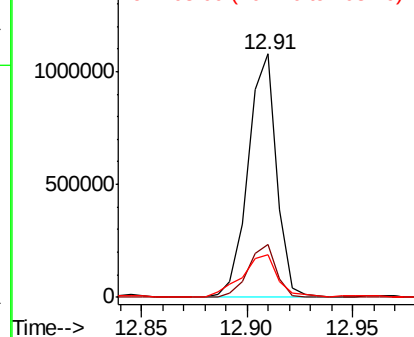
203 17.8 14.6 22.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 75.795 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117825.D

Acq: 16 Nov 2019 1:24

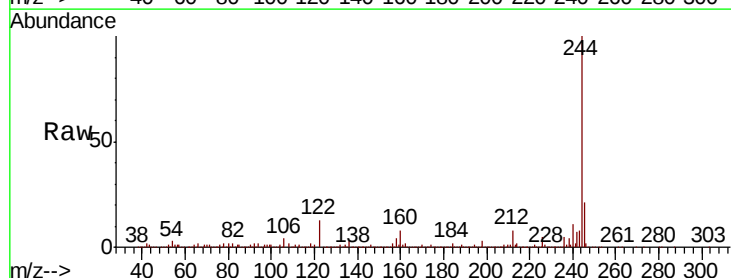
Tgt Ion:244 Resp: 2312496

Ion Ratio Lower Upper

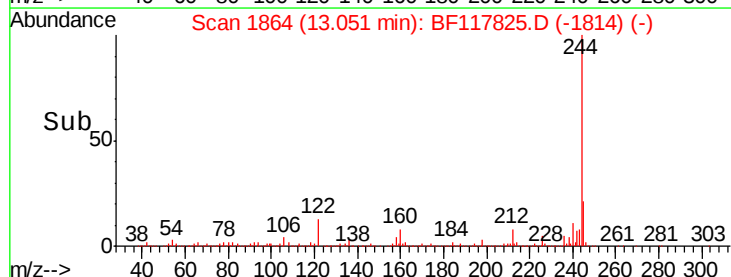
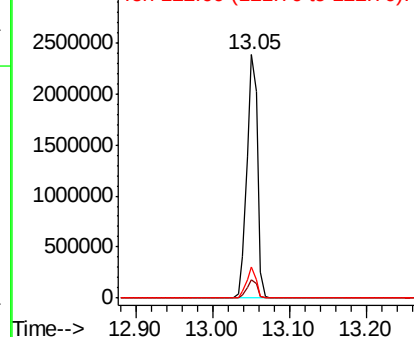
244 100

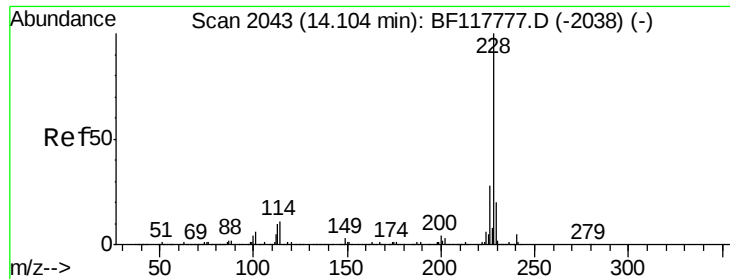
212 7.5 6.3 9.5

122 12.6 9.4 14.2



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





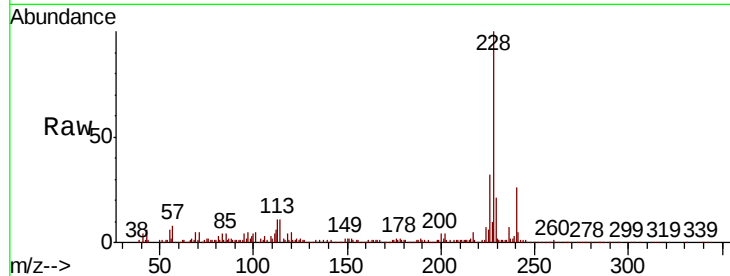
#81
Benzo(a)anthracene
Concen: 11.759 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.2	33.2
229	21.3	15.9	23.9

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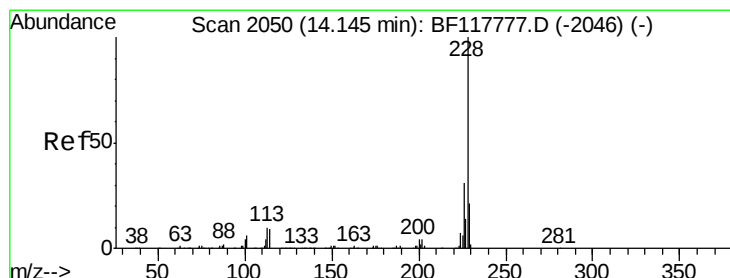
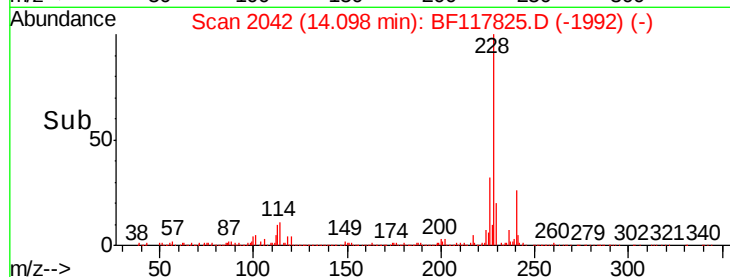
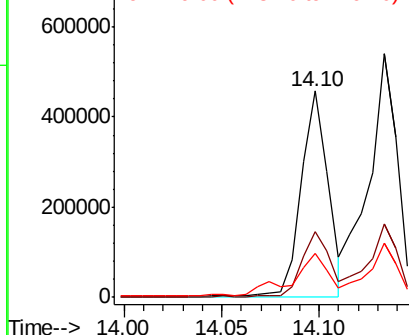


Abundance

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: 14.180 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

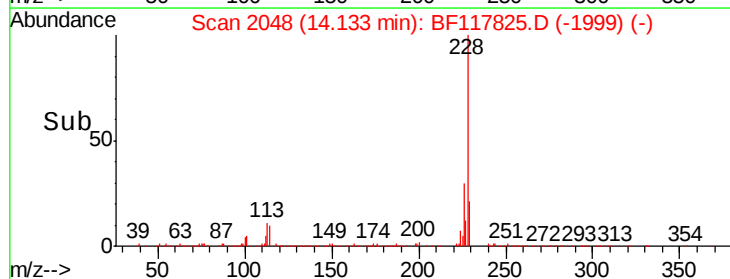
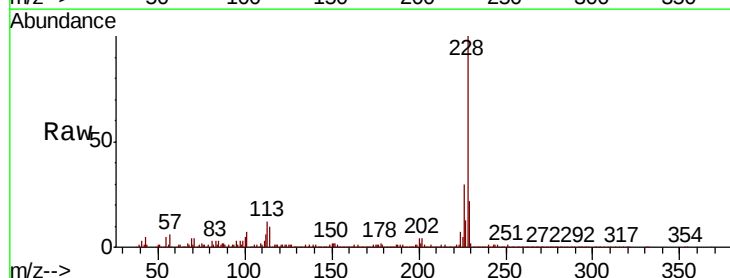
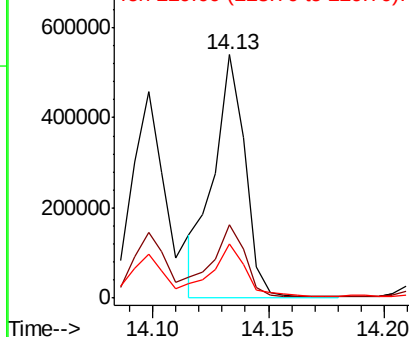
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.5	16.6	25.0

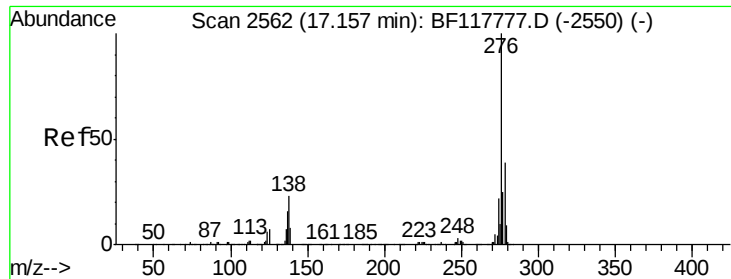
Abundance

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





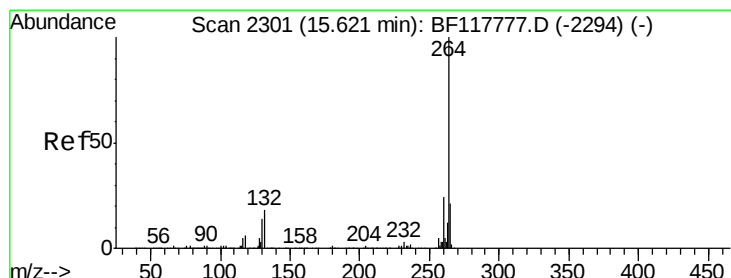
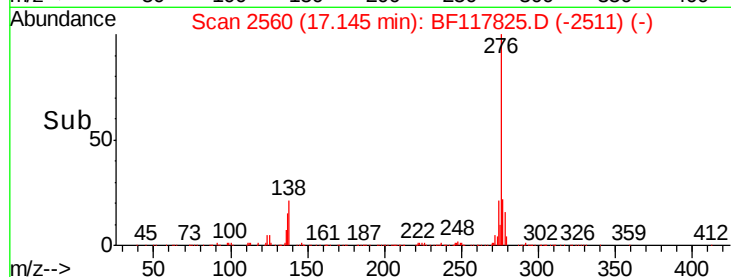
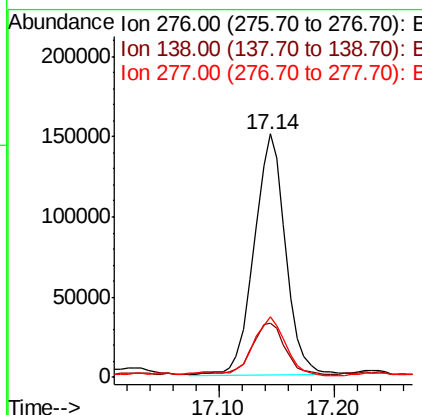
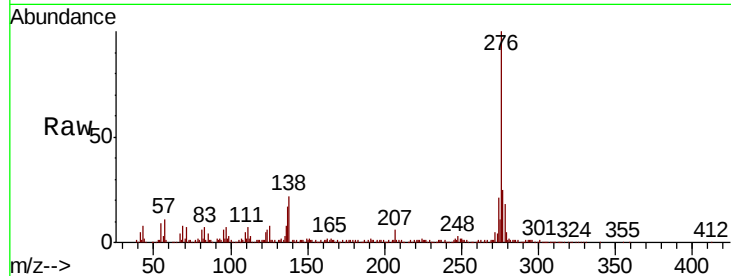
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.379 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.01 min
 Lab File: BF117825.D
 Acq: 16 Nov 2019 1:24

Instrument :
 BNA_F
 ClientSampleId :
 5-(4-6)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	24.0	20.3	30.5

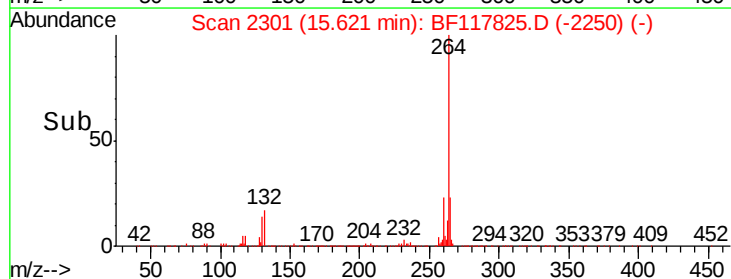
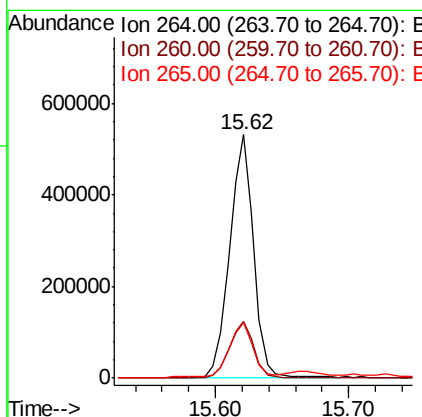
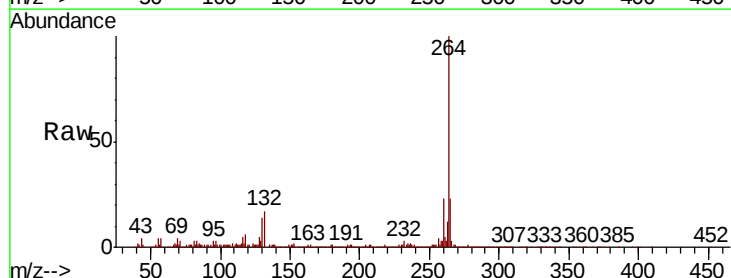
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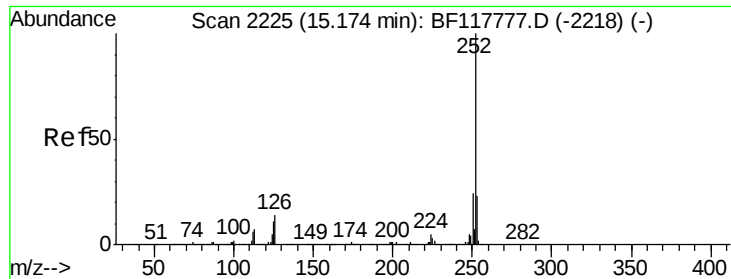
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: BF117825.D
 Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.8	17.1	25.7





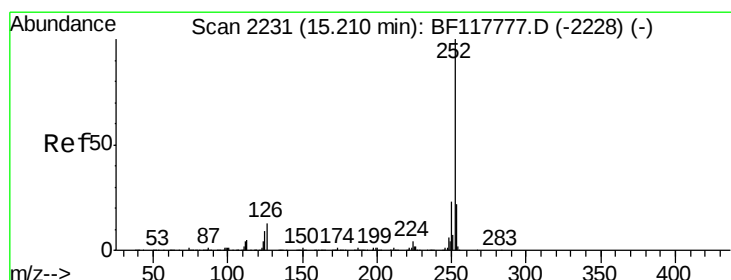
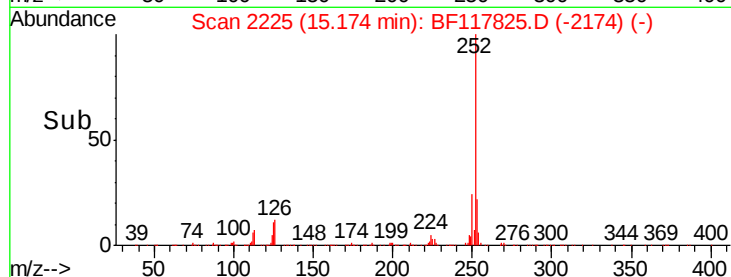
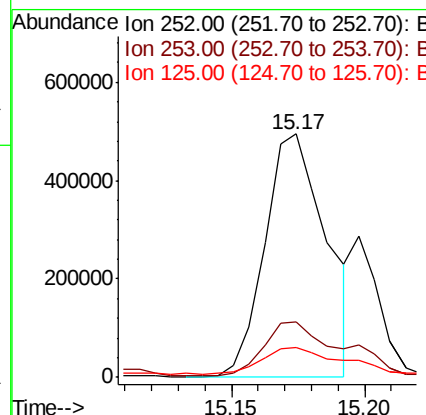
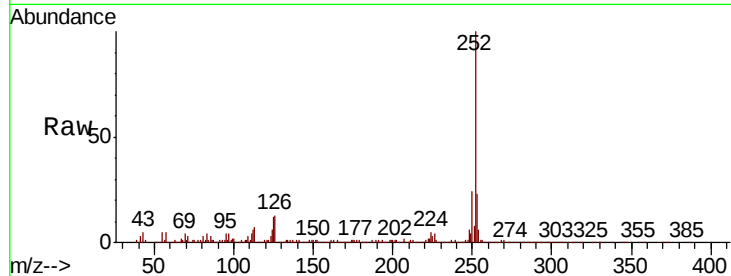
#88
Benzo(b)fluoranthene
Concen: 18.589 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.5	8.6	13.0

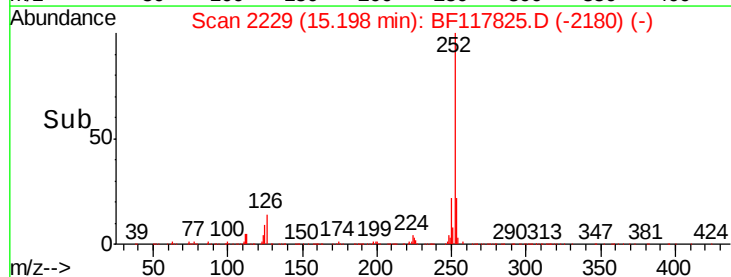
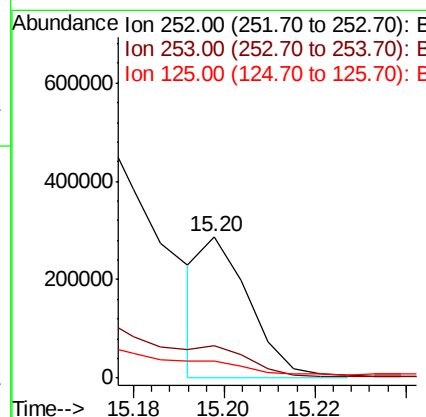
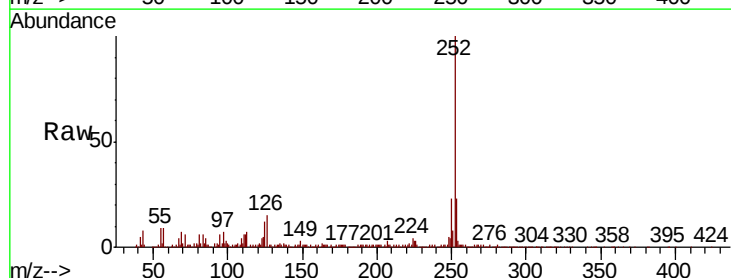
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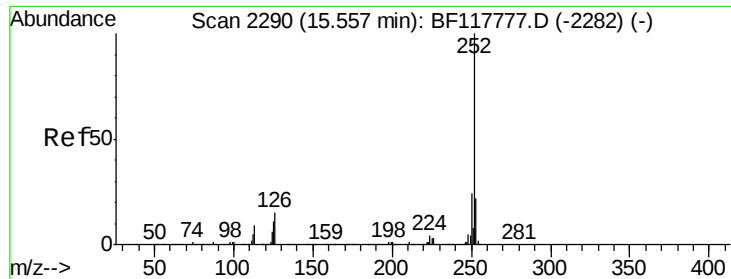
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.167 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.2	7.9	11.9





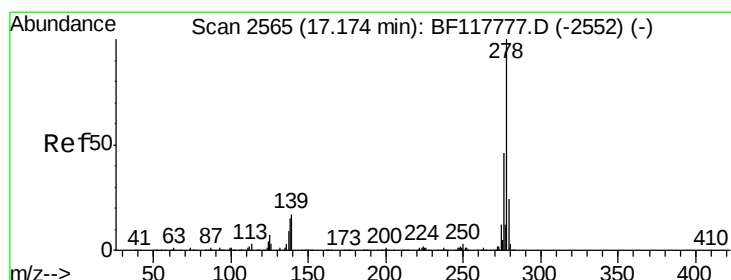
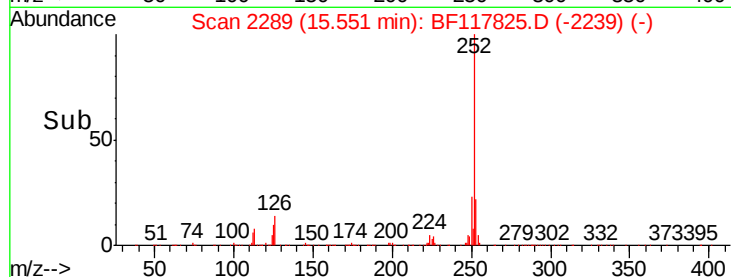
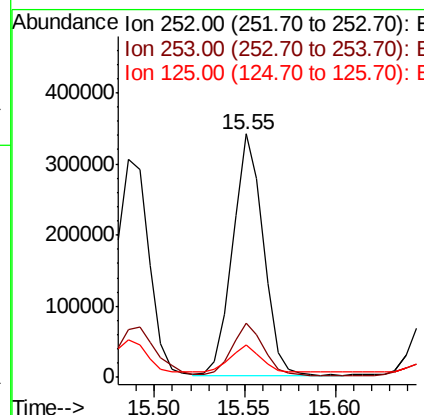
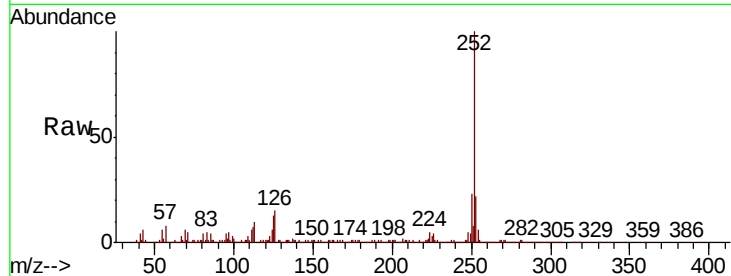
#90
Benzo(a)pyrene
Concen: 10.563 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Instrument :
BNA_F
ClientSampleId :
5-(4-6)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.8	26.6
125	13.1	9.2	13.8

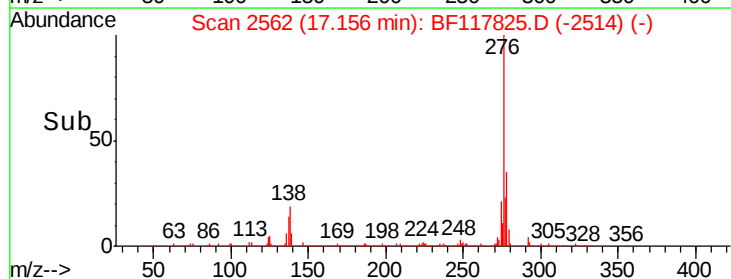
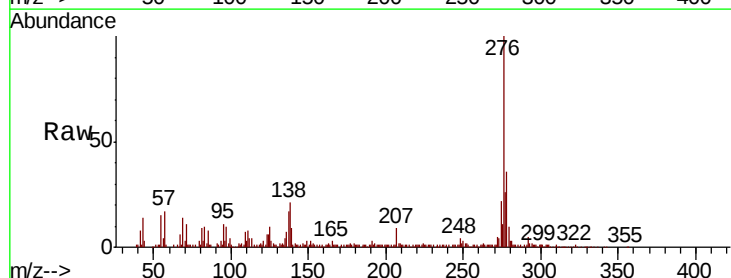
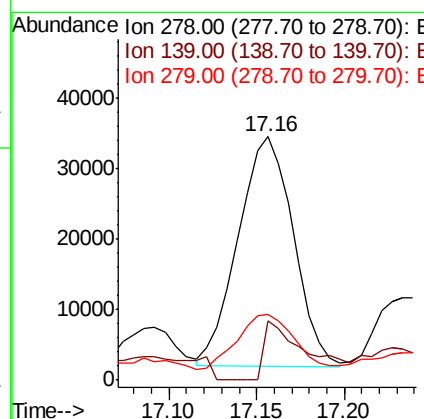
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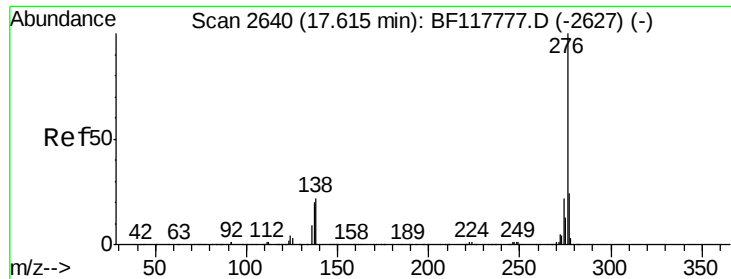
mohammad
11/20/2019 8:13:06 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.209 ng m
RT: 17.16 min Scan# 2562
Delta R.T. -0.02 min
Lab File: BF117825.D
Acq: 16 Nov 2019 1:24

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	24.6	13.8	20.8#
279	27.0	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 8.161 ng
 RT: 17.61 min Scan# 2639
 Delta R.T. -0.01 min
 Lab File: BF117825.D
 Acq: 16 Nov 2019 1:24

Instrument :
 BNA_F
 ClientSampleId :
 5-(4-6)

Tot Ion:	276	Resp:	264249
Ion Ratio		Lower	Upper
276	100		
277	25.5	18.9	28.3
138	23.6	17.4	26.2

Manual Integrations
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