

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118105.D
 Acq On : 5 Dec 2019 00:02
 Operator : JU
 Sample : K6024-05DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5-(0.5-1.0)DL

Manual Integrations
 APPROVED

mohammad
 12/5/2019 10:50:55 AM

Quant Time: Dec 05 09:34:45 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	166876	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	748374	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	394207	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	716421	20.00	ng	0.00
76) Chrysene-d12	14.08	240	447431	20.00	ng	0.00
87) Perylene-d12	15.57	264	500202	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	514942	54.62	ng	0.00
7) Phenol-d6	6.50	99	663704	58.37	ng	0.00
23) Nitrobenzene-d5	7.43	82	397486	31.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	191659	45.92	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	652228	29.68	ng	0.00
79) Terphenyl-d14	13.01	244	698987	28.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.79	152	74261	2.117	ng	98
50) Dimethylphthalate	9.63	163	128038	4.632	ng	99
58) Fluorene	10.47	166	51814	2.149	ng	99
71) Phenanthrene	11.45	178	1088860	30.230	ng	100
72) Anthracene	11.50	178	241729	6.769	ng	98
73) Carbazole	11.65	167	87147	2.793	ng	99
75) Fluoranthene	12.65	202	1824957	57.775	ng	99
78) Pyrene	12.87	202	1785750	49.386	ng	99
81) Benzo(a)anthracene	14.07	228	971497	32.858	ng	99
83) Chrysene	14.11	228	839424	29.299	ng	98
86) Indeno(1,2,3-cd)pyrene	17.09	276	497788	20.414	ng	97
88) Benzo(b)fluoranthene	15.13	252	1041789m	32.057	ng	
89) Benzo(k)fluoranthene	15.16	252	346970m	11.331	ng	
90) Benzo(a)pyrene	15.51	252	757925	26.522	ng	97
91) Dibenzo(a,h)anthracene	17.09	278	134219m	5.457	ng	
92) Benzo(g,h,i)perylene	17.54	276	455340	18.586	ng	99

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

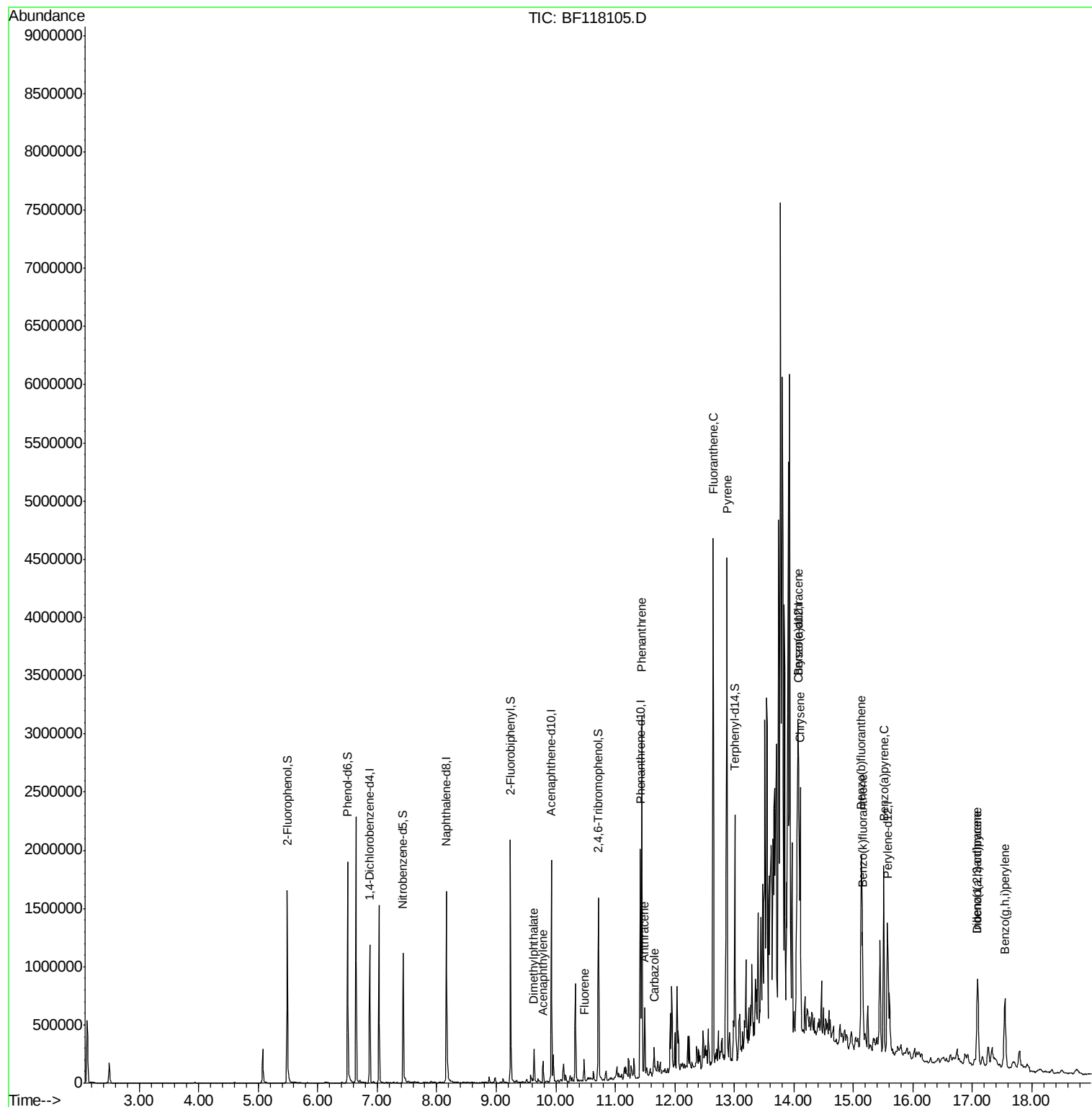
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118105.D
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ALS Vial : 24 Sample Multiplier: 1

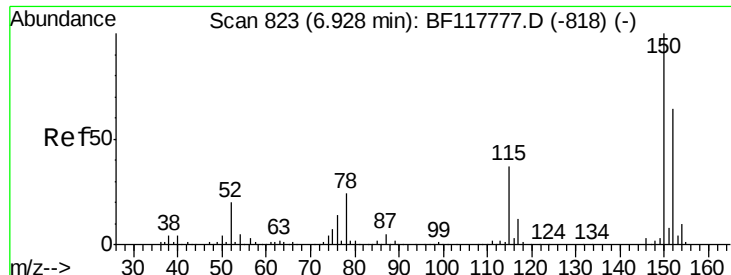
Instrument :
BNA_F
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B-5-(0.5-1.0)DL

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Quant Time: Dec 05 09:34:45 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

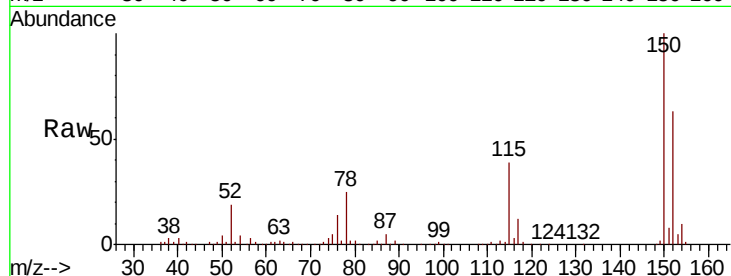
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	121.4	182.2
115	61.7	48.8	73.2

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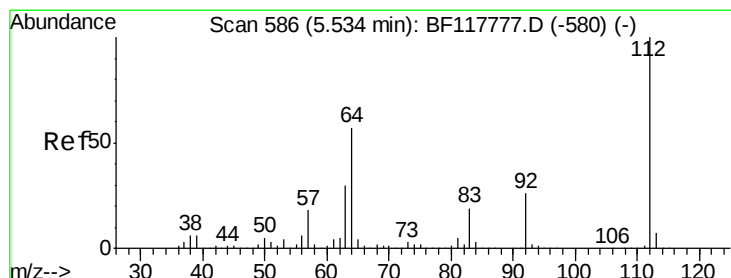
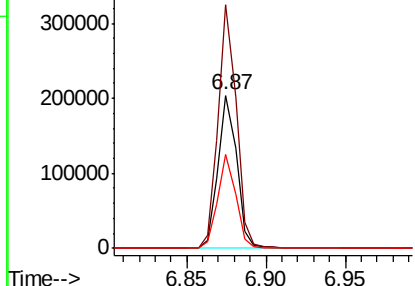
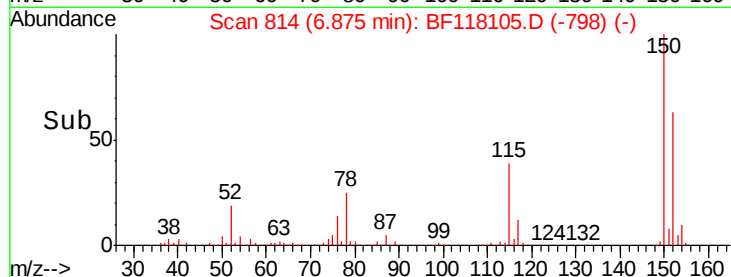


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

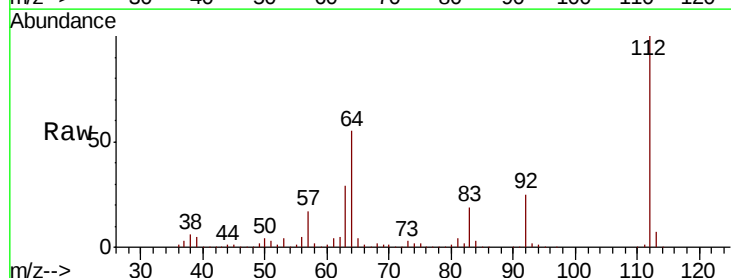
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.622 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.1	67.7
63	29.0	24.6	37.0

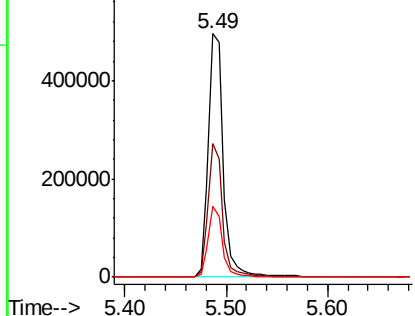
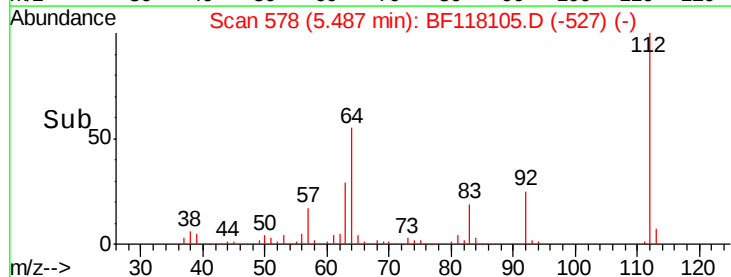


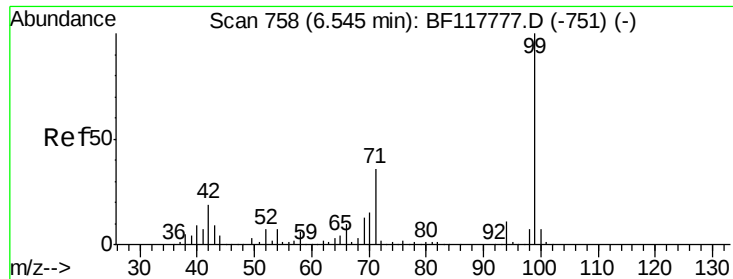
Abundance

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: 58.368 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118105.D

Acq: 5 Dec 2019 00:02

Instrument :

BNA_F

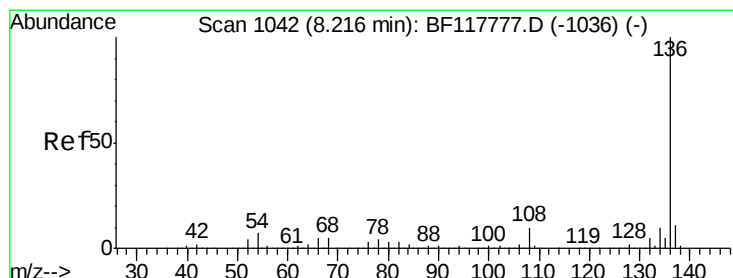
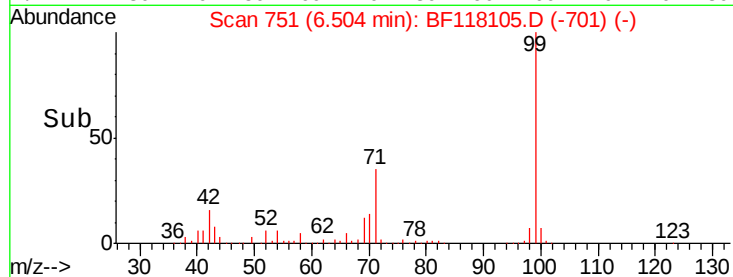
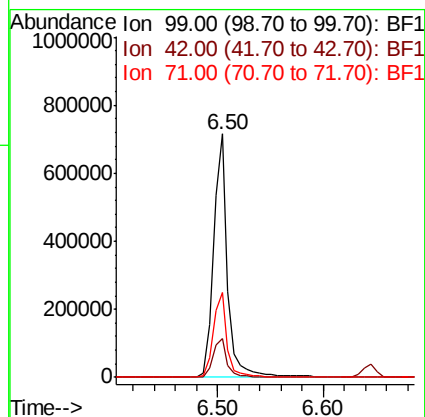
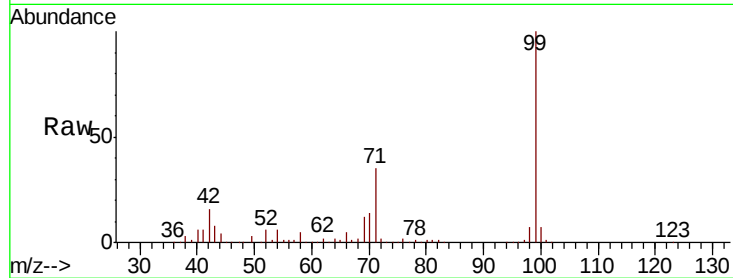
ClientSampleId :

B-5-(0.5-1.0)DL

Tot Ion:	99	Resp:	663704
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.0	21.0
71	34.7	29.2	43.8

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#21

Naphthalene-d8

Concen: 20.000 ng

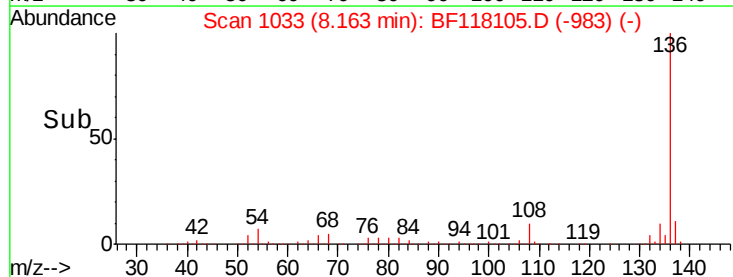
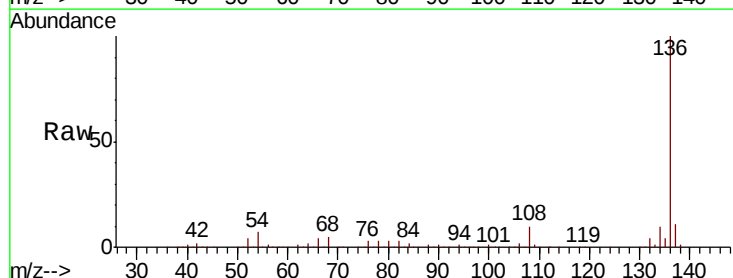
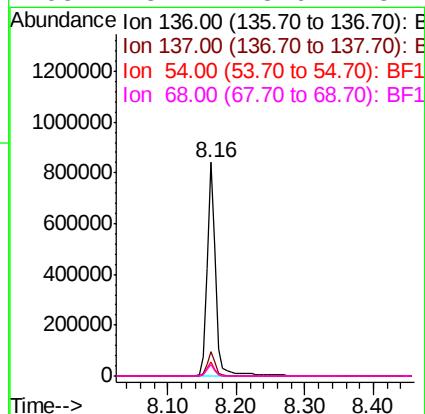
RT: 8.16 min Scan# 1033

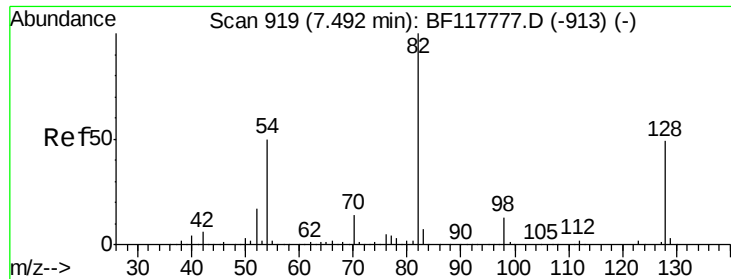
Delta R.T. -0.01 min

Lab File: BF118105.D

Acq: 5 Dec 2019 00:02

Tgt Ion:	136	Resp:	748374
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.6	4.9	7.3
68	5.2	3.6	5.4





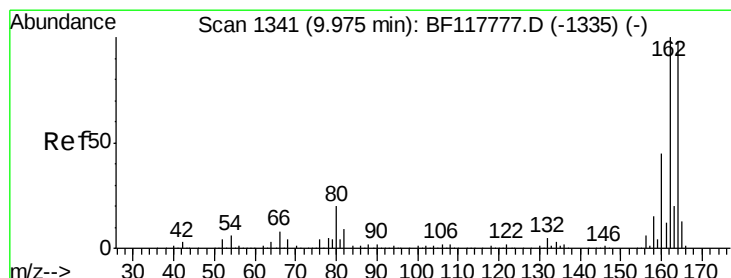
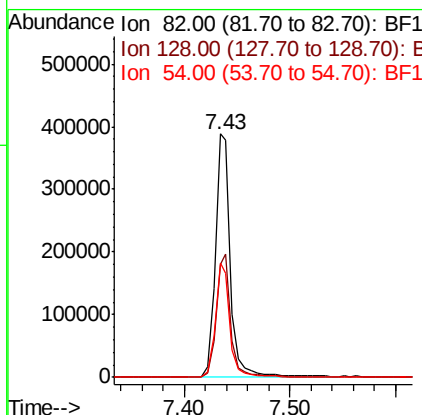
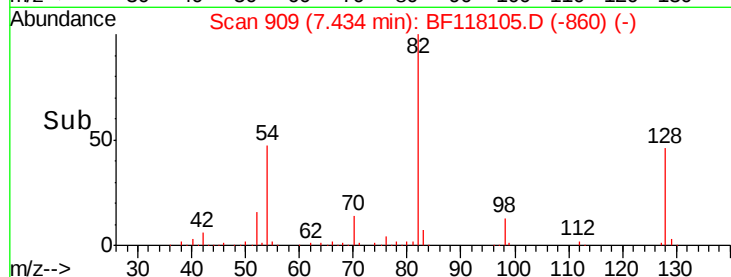
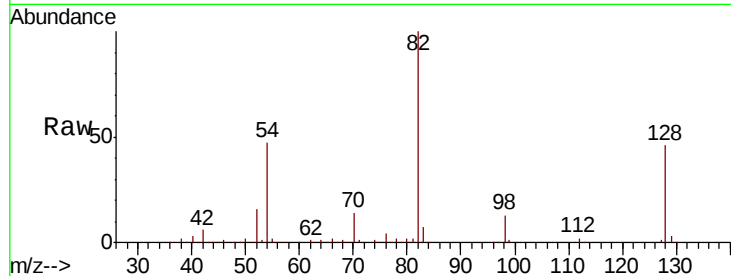
#23
Nitrobenzene-d5
Concen: 31.574 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.2	57.4
54	46.9	39.0	58.4

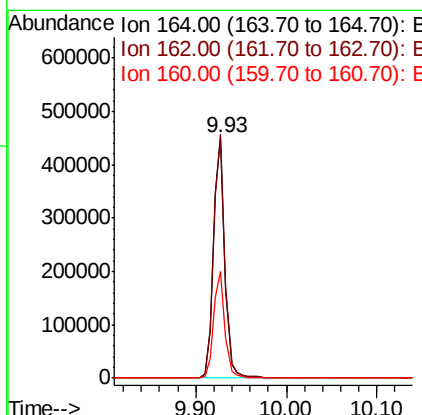
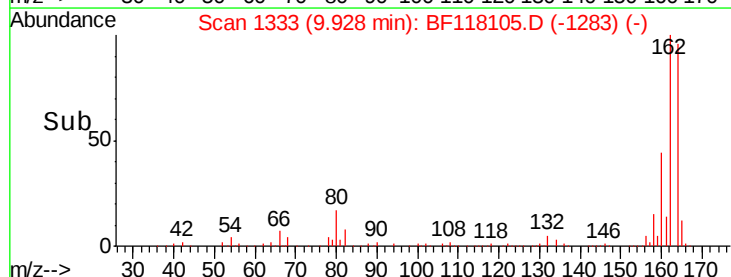
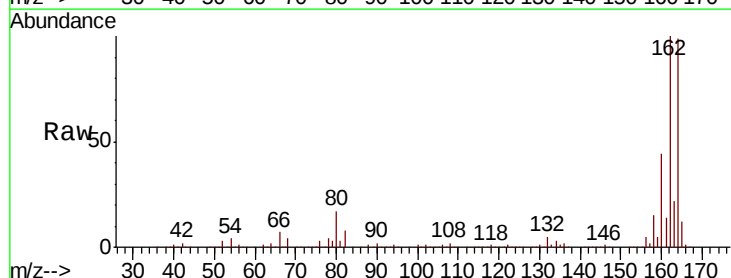
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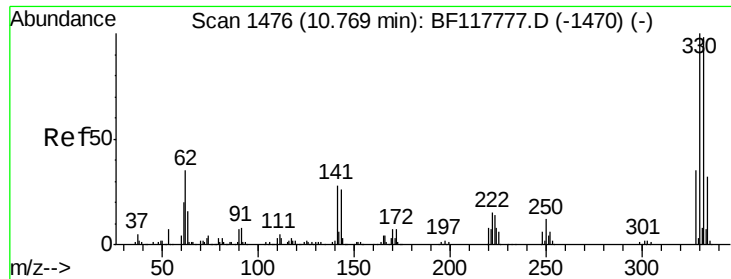
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.8
160	44.7	35.9	53.9





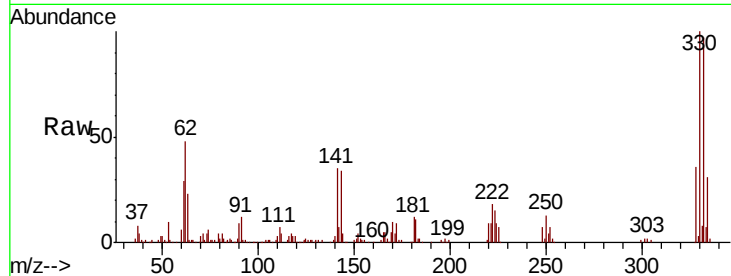
#42
 2,4,6-Tribromophenol
 Concen: 45.924 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF118105.D
 Acq: 5 Dec 2019 00:02

Instrument :
 BNA_F
 ClientSampleId :
 B-5-(0.5-1.0)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	191659		
332	98.8	78.3	117.5	
141	32.5	26.4	39.6	

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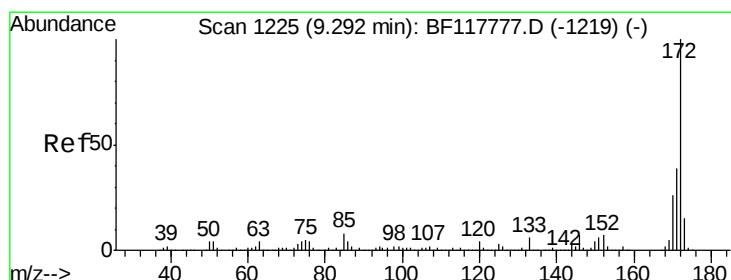
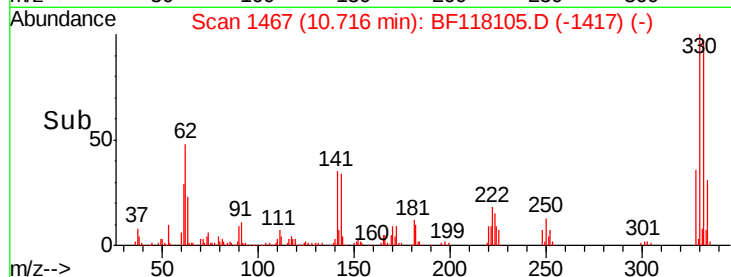
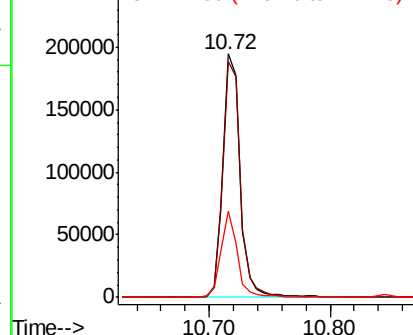


Abundance

Ion 329.80 (329.50 to 330.50): E

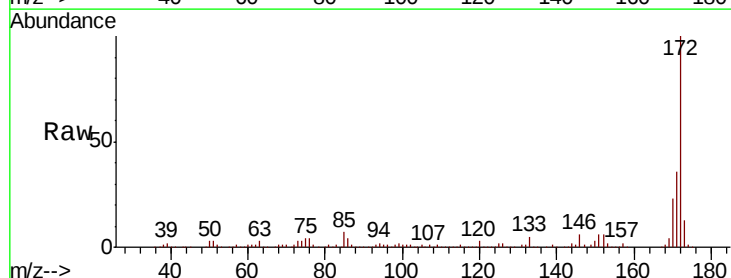
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 29.683 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118105.D
 Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	652228		
171	36.3	29.2	43.8	
170	23.1	19.3	28.9	

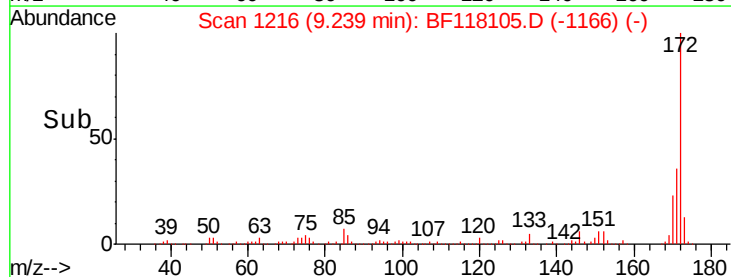
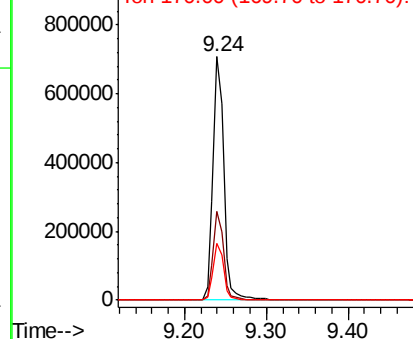


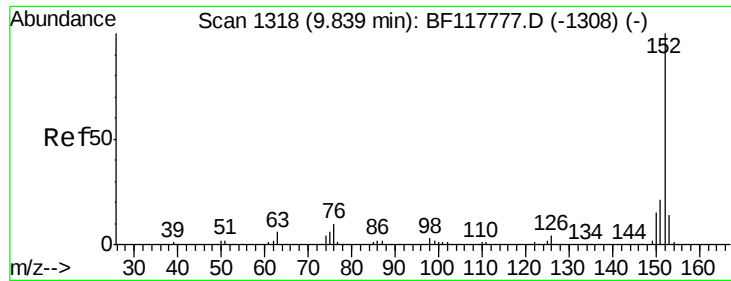
Abundance

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





#49

Acenaphthylene

Concen: 2.117 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF118105.D

Acq: 5 Dec 2019 00:02

Instrument :

BNA_F

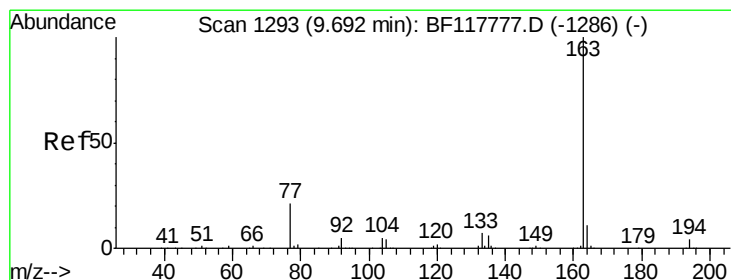
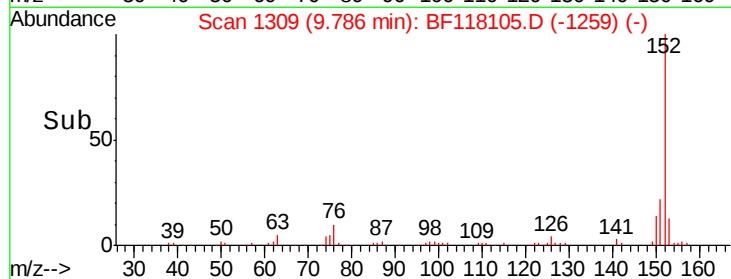
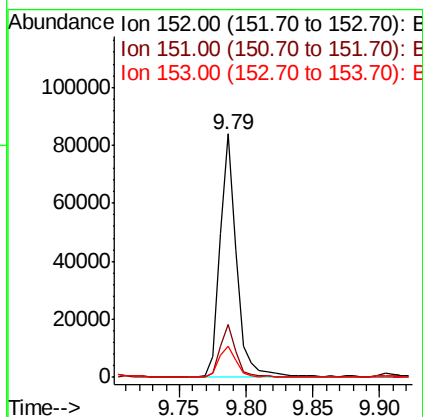
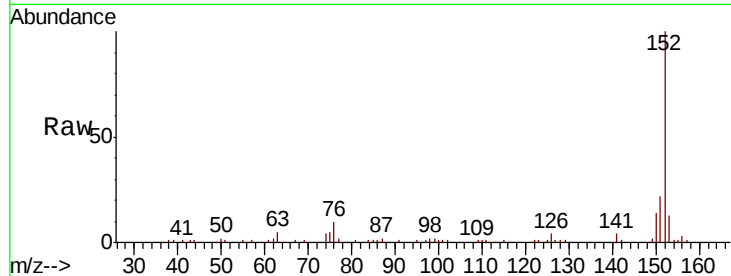
ClientSampleId :

B-5-(0.5-1.0)DL

Tot Ion:	152	Resp:	74261
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.7	25.1
153	12.9	11.1	16.7

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#50

Dimethylphthalate

Concen: 4.632 ng

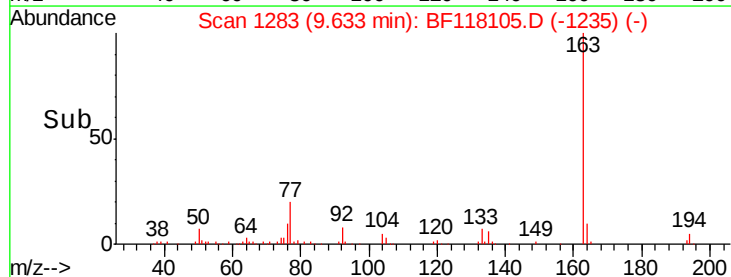
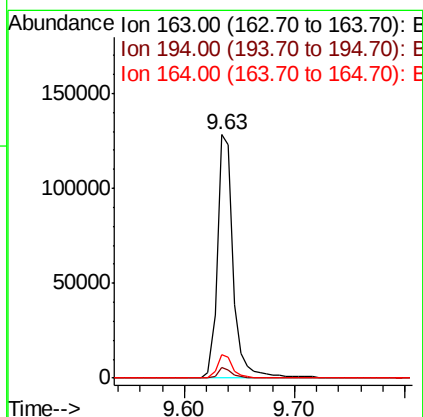
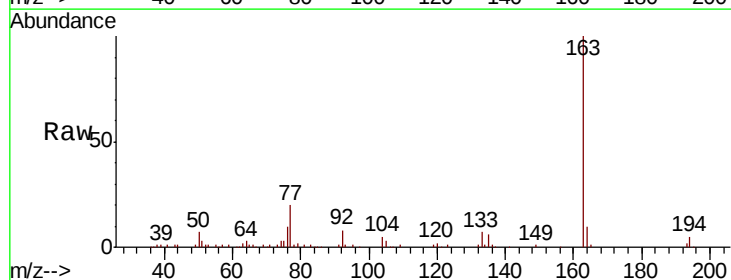
RT: 9.63 min Scan# 1283

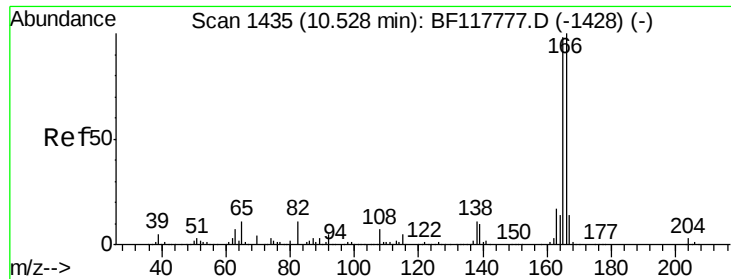
Delta R.T. -0.02 min

Lab File: BF118105.D

Acq: 5 Dec 2019 00:02

Tgt Ion:	163	Resp:	128038
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.1	4.7
164	9.9	7.9	11.9





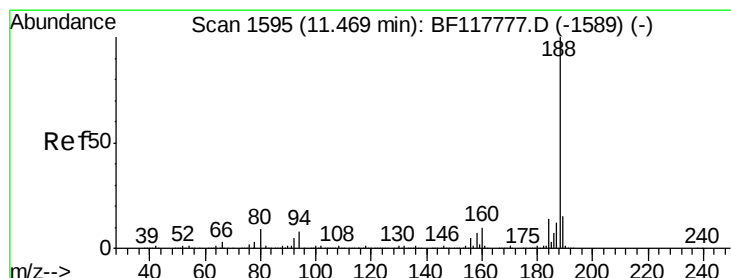
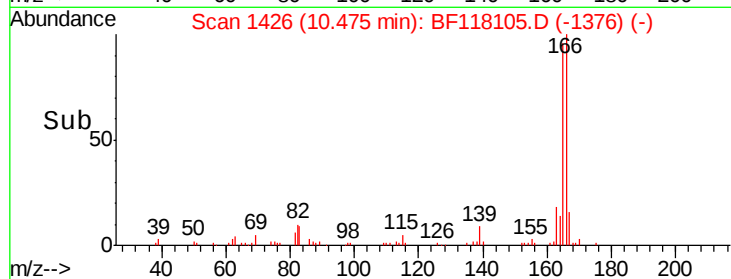
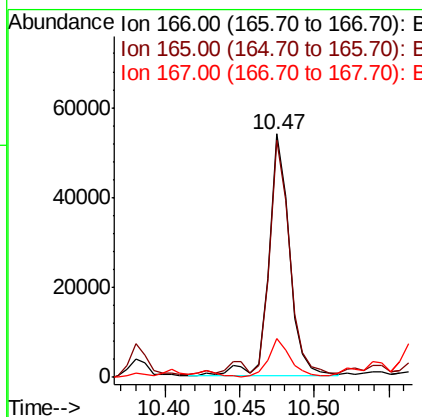
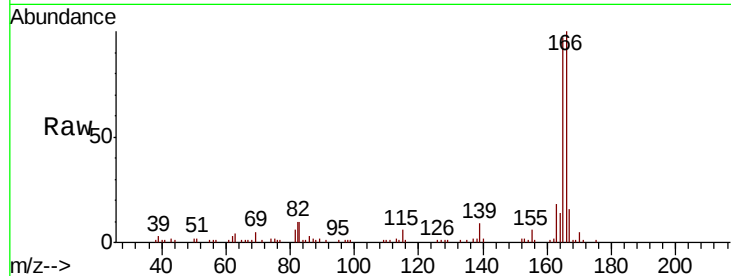
#58
 Fluorene
 Concen: 2.149 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF118105.D
 Acq: 5 Dec 2019 00:02

Instrument :
 BNA_F
 ClientSampleId :
 B-5-(0.5-1.0)DL

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	97.2	77.4	116.2	
167	15.9	10.7	16.1	

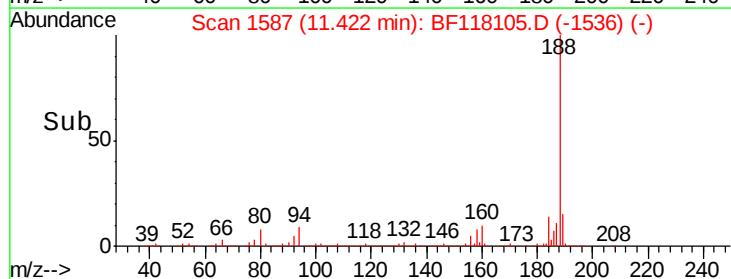
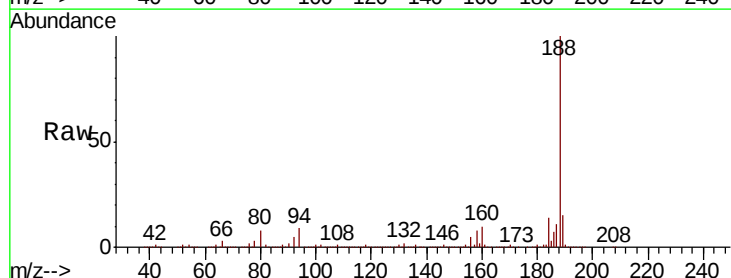
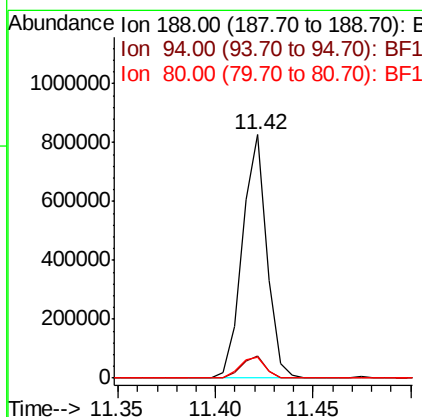
Manual Integrations
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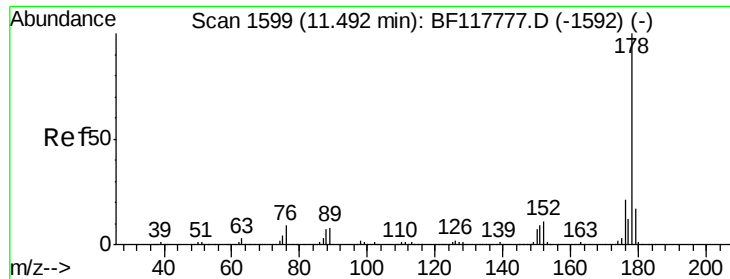
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BF118105.D
 Acq: 5 Dec 2019 00:02

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.9	7.0	10.6	
80	8.5	7.2	10.8	





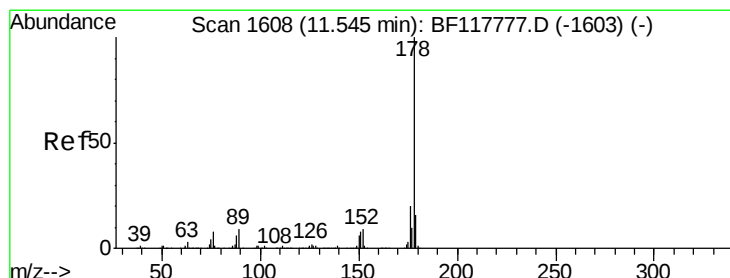
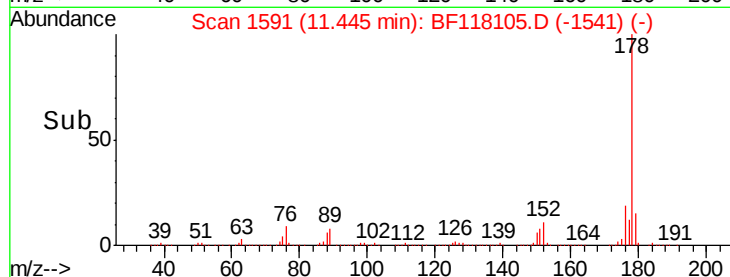
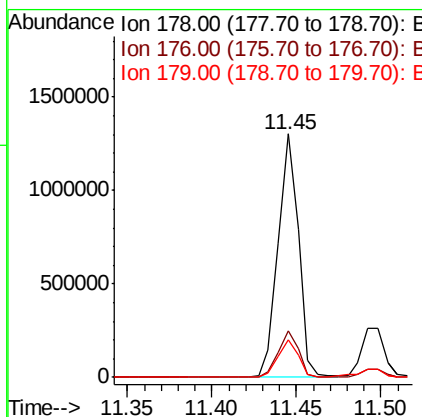
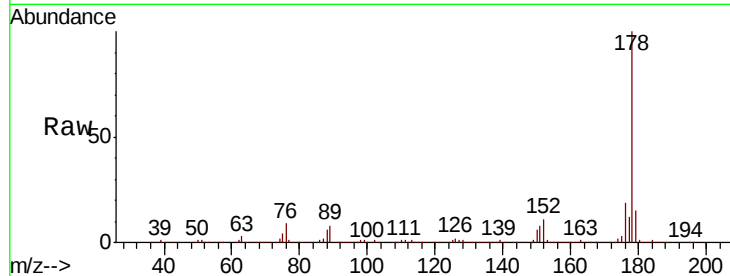
#71
Phenanthrene
Concen: 30.230 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.4	12.3	18.5

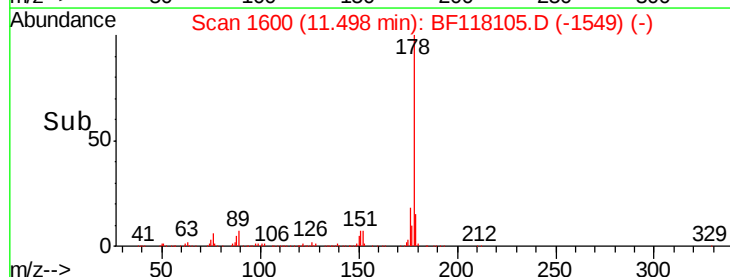
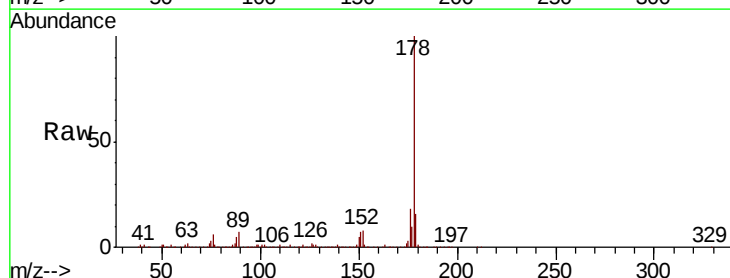
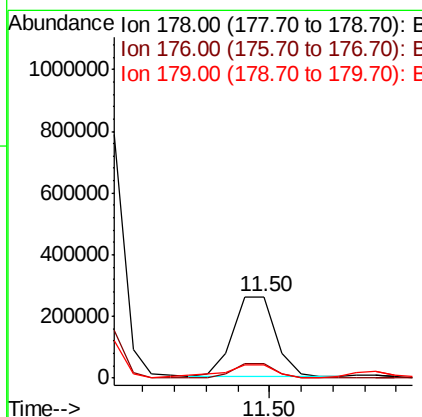
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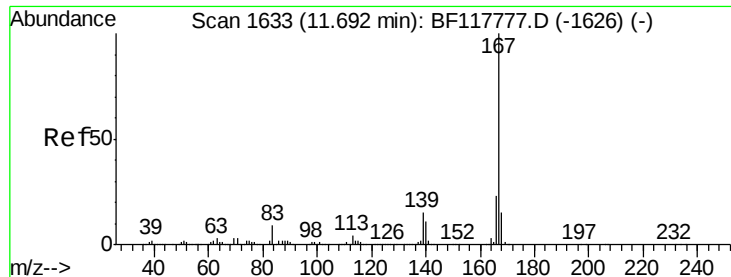
mohammad
12/5/2019 10:50:55 AM



#72
Anthracene
Concen: 6.769 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.0	22.6
179	15.7	12.8	19.2





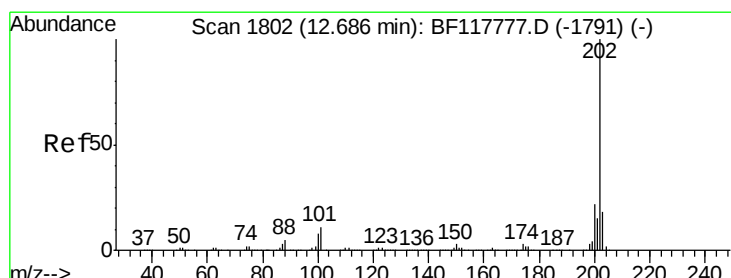
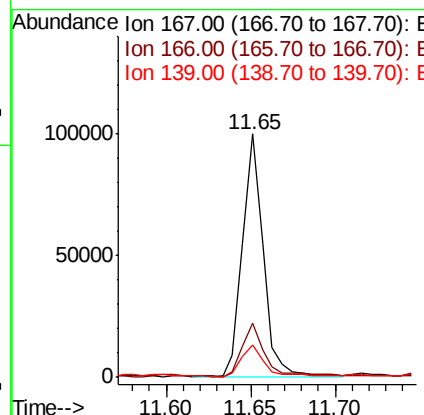
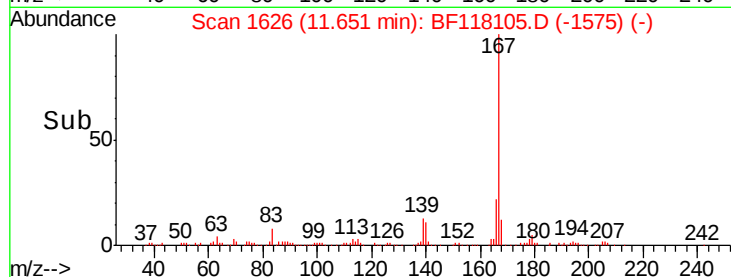
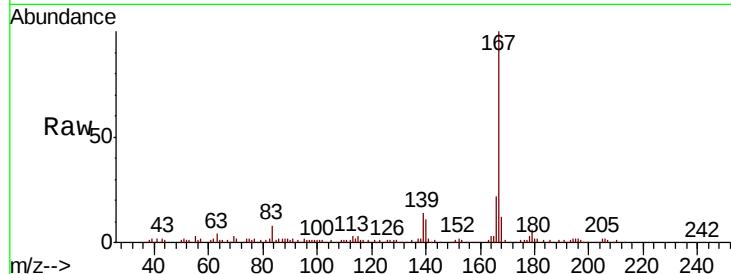
#73
 Carbazole
 Concen: 2.793 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BF118105.D
 Acq: 5 Dec 2019 00:02

Instrument :
 BNA_F
 ClientSampleId :
 B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	13.6	11.5	17.3

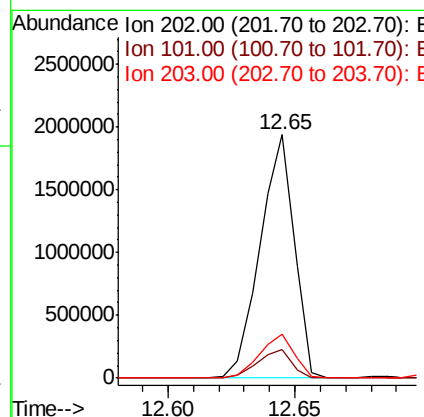
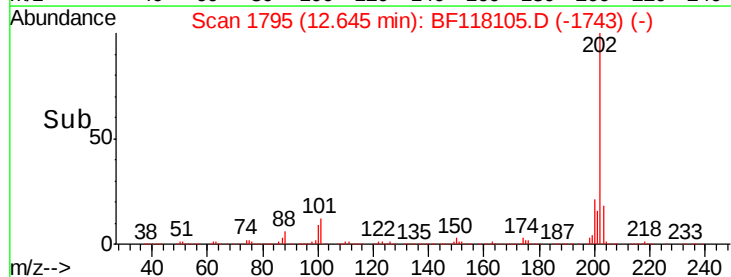
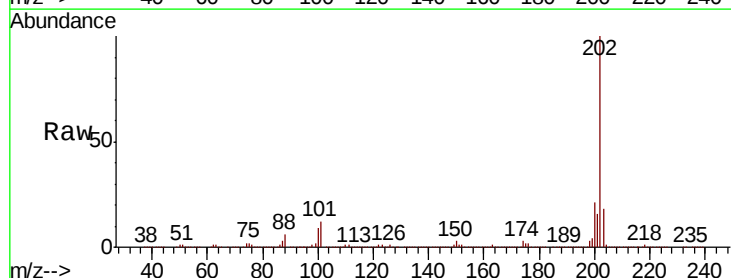
Manual Integrations
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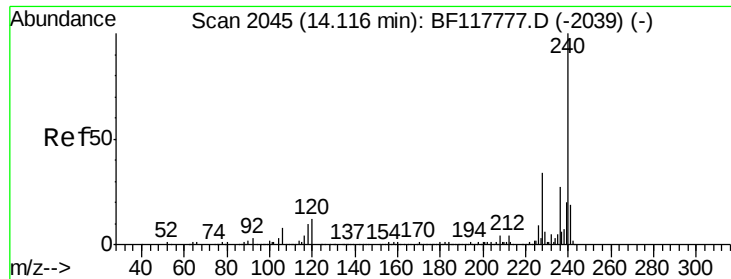
mohammad
 12/5/2019 10:50:55 AM



#75
 Fluoranthene
 Concen: 57.775 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. 0.01 min
 Lab File: BF118105.D
 Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	18.0	0.0	37.6





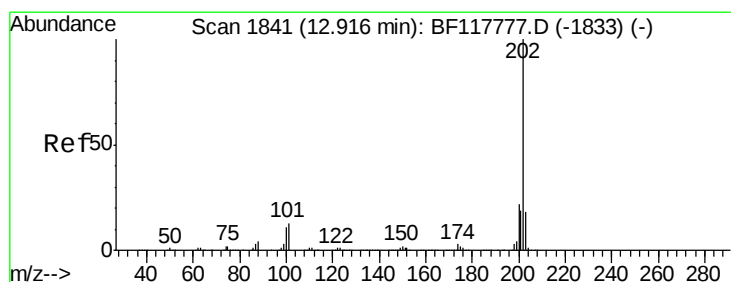
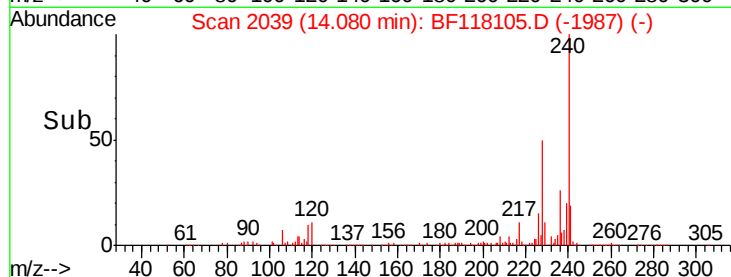
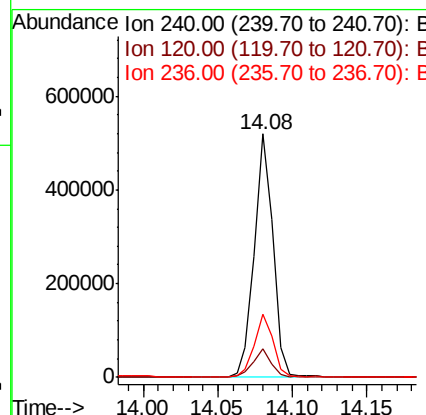
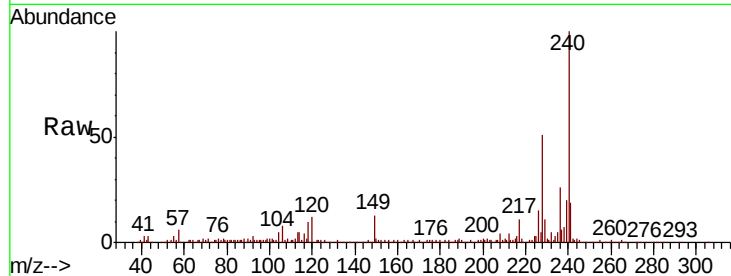
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.4	12.6
236	26.0	20.6	31.0

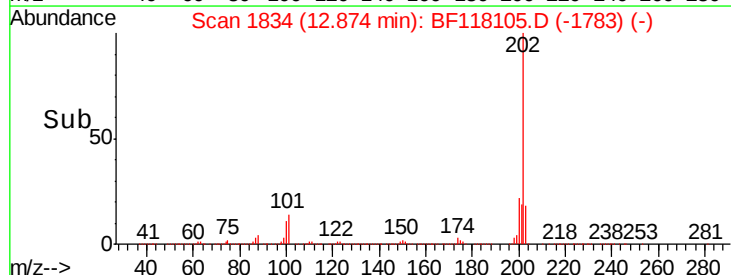
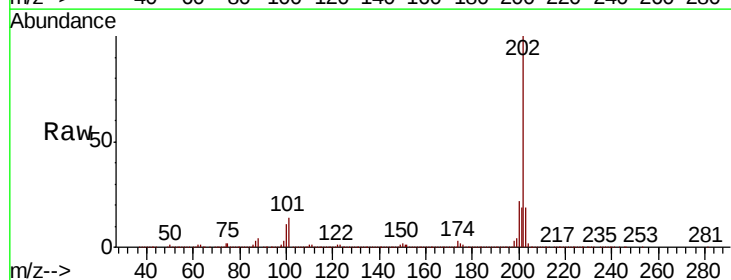
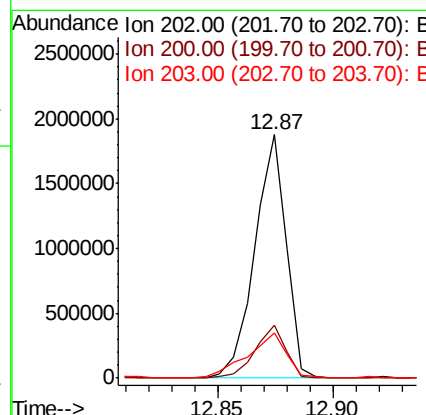
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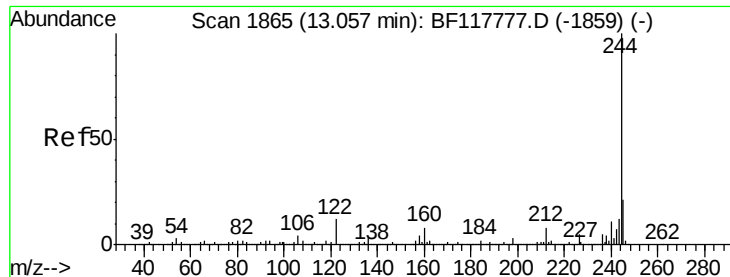
mohammad
12/5/2019 10:50:55 AM



#78
Pyrene
Concen: 49.386 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.6
203	18.6	14.2	21.4





#79

Terphenyl-d14

Concen: 28.551 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF118105.D

Acq: 5 Dec 2019 00:02

Instrument :

BNA_F

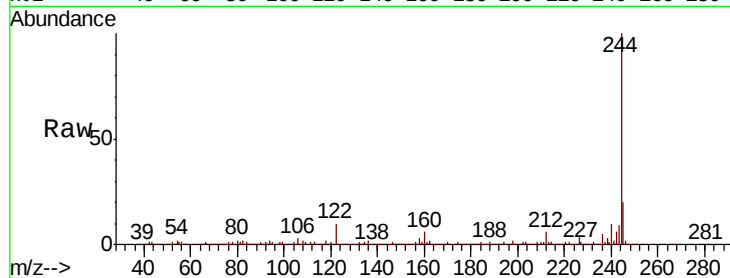
ClientSampleId :

B-5-(0.5-1.0)DL

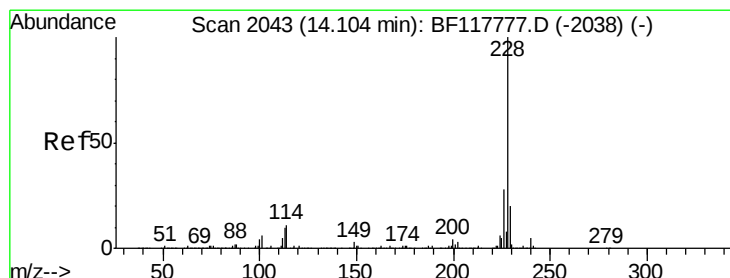
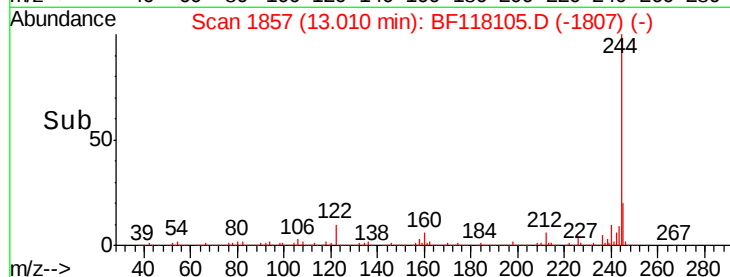
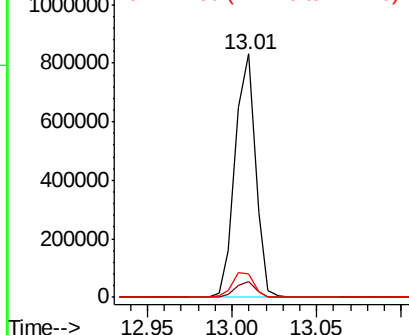
Tot Ion:	244	Resp:	698987
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.2	7.8
122	9.7	7.2	10.8

Manual Integrations
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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: 32.858 ng

RT: 14.07 min Scan# 2037

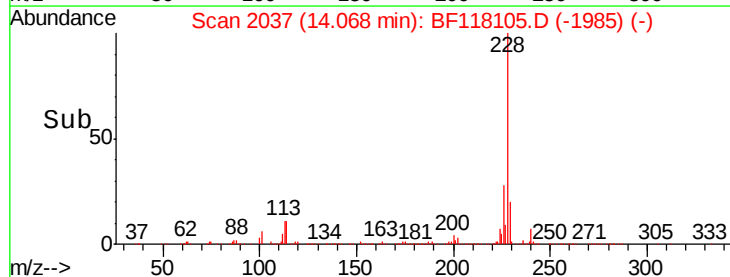
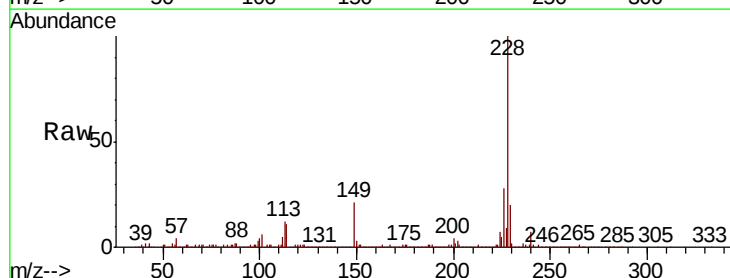
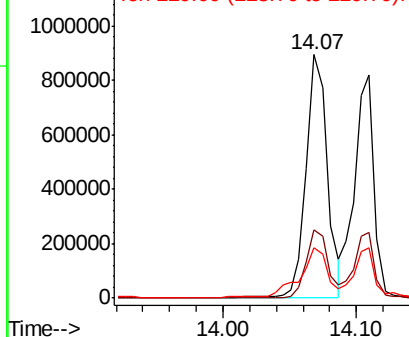
Delta R.T. 0.01 min

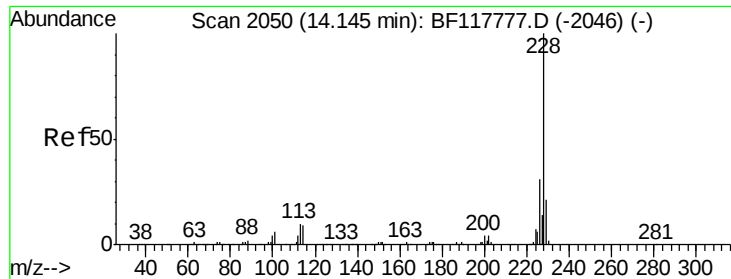
Lab File: BF118105.D

Acq: 5 Dec 2019 00:02

Tgt Ion:	228	Resp:	971497
Ion Ratio		Lower	Upper
228	100		
226	28.2	21.9	32.9
229	20.4	16.2	24.2

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





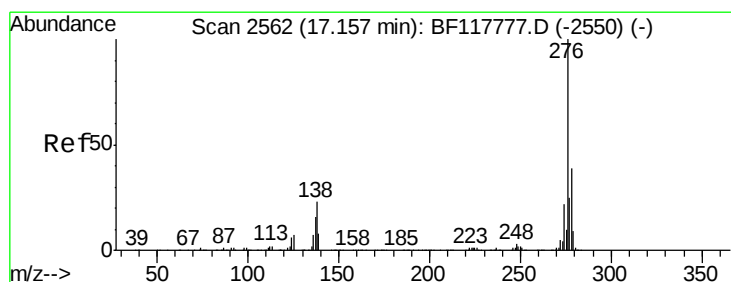
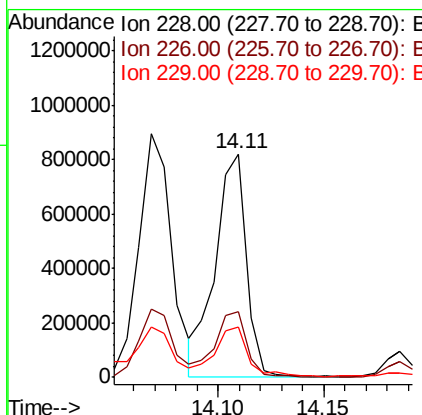
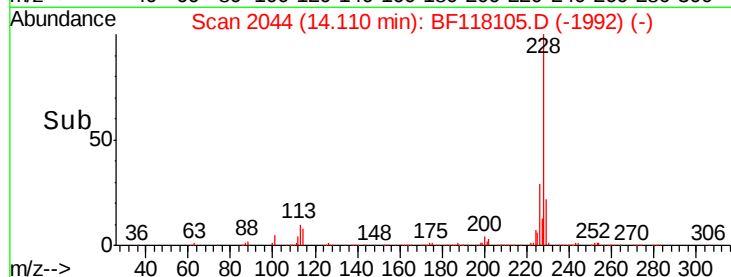
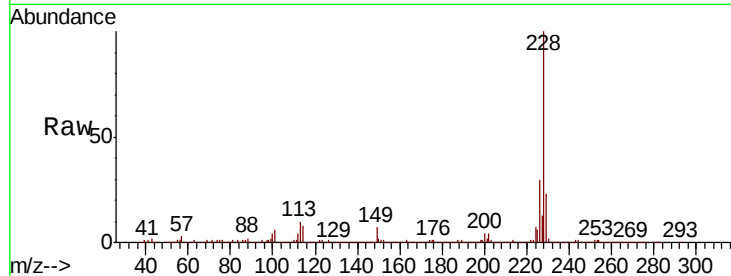
#83
Chrysene
Concen: 29.299 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion:	228	Resp:	839424
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.6	35.4
229	22.7	16.2	24.2

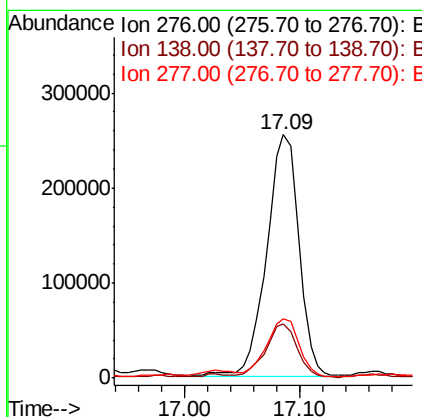
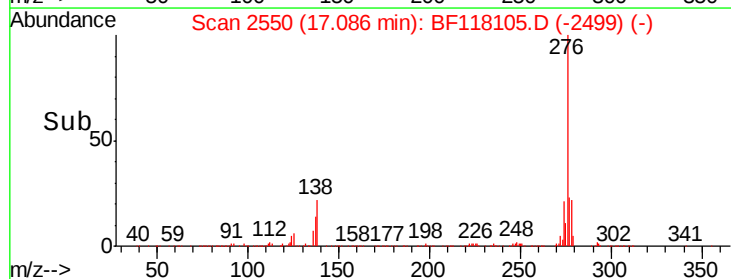
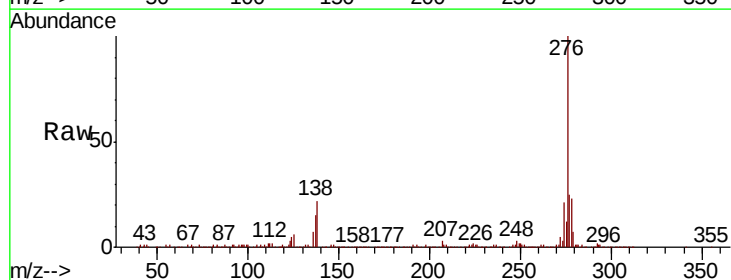
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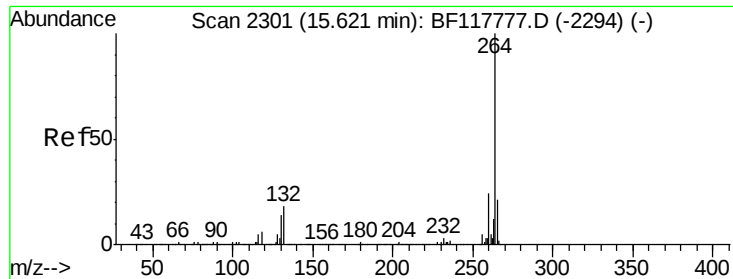
mohammad
12/5/2019 10:50:55 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.414 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.00 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion:	276	Resp:	497788
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.0	28.6
277	24.5	20.7	31.1





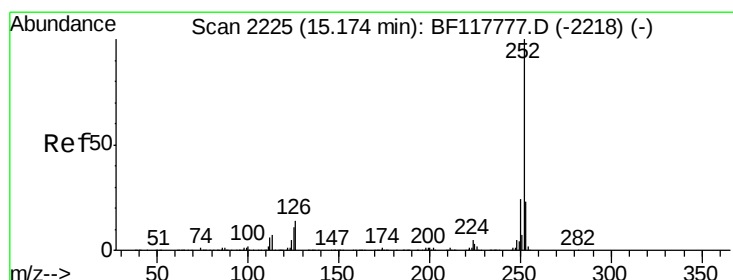
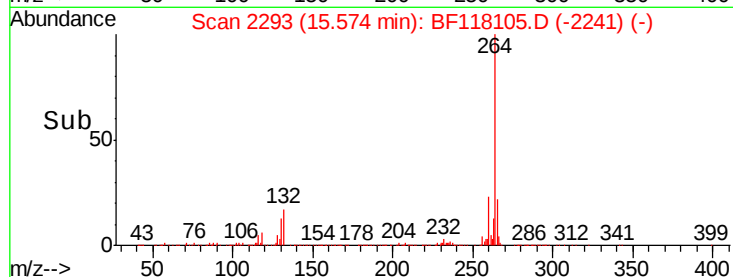
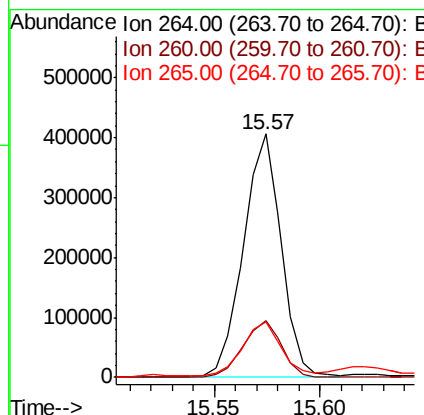
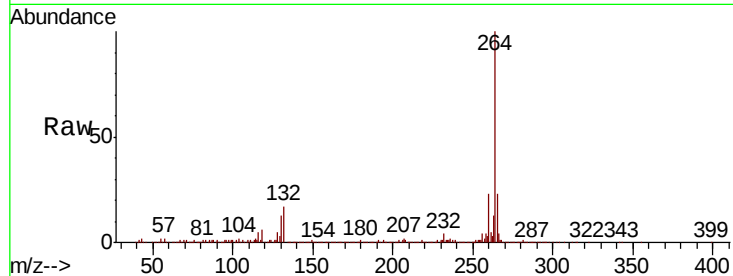
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion:	264	Resp:	500202
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.6
265	22.6	16.4	24.6

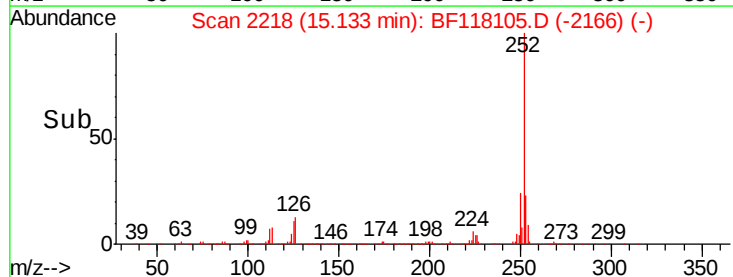
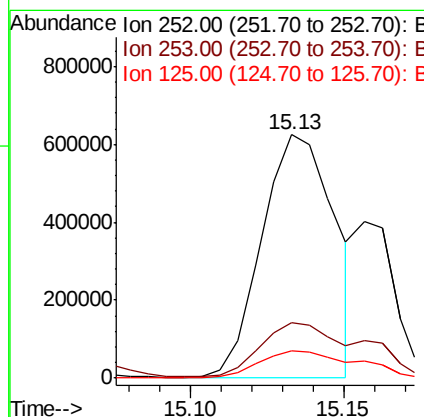
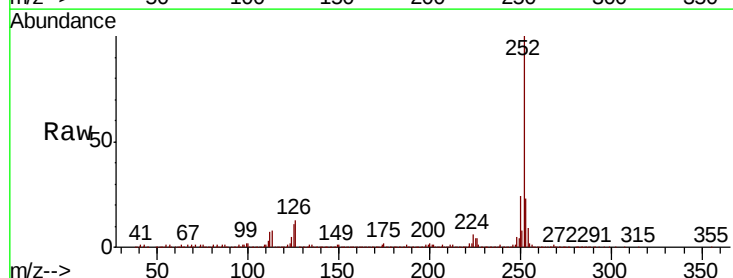
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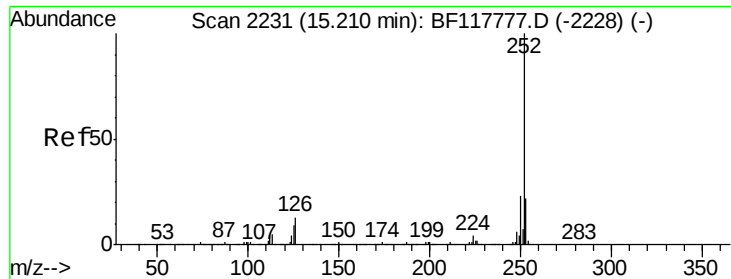
mohammad
12/5/2019 10:50:55 AM



#88
Benzo(b)fluoranthene
Concen: 32.057 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion:	252	Resp:	1041789
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	11.2	7.7	11.5





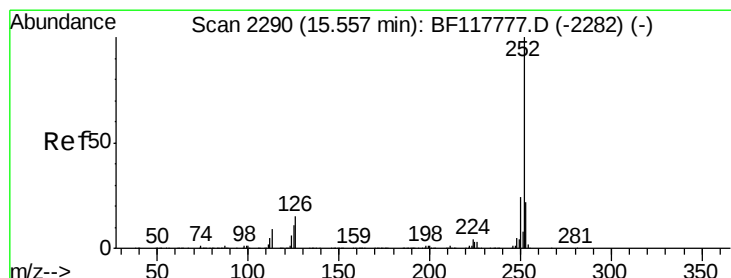
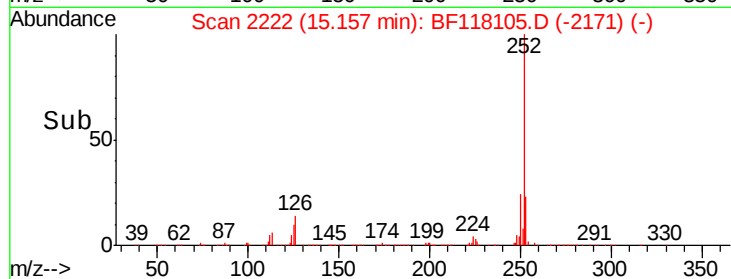
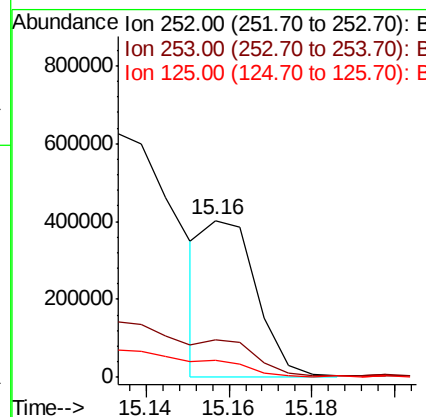
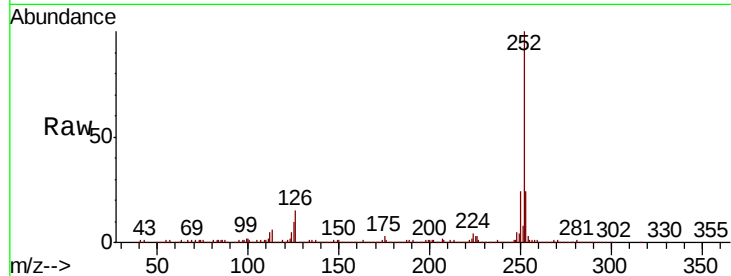
#89
Benzo(k)fluoranthene
Concen: 11.331 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	10.5	8.5	12.7

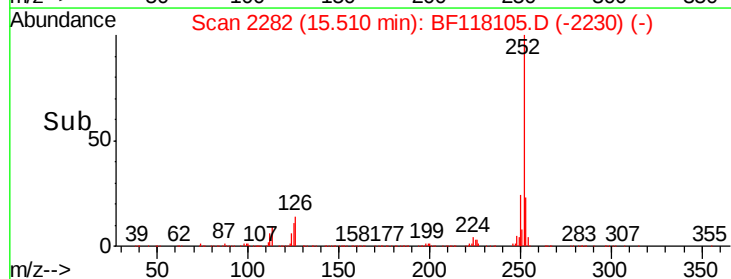
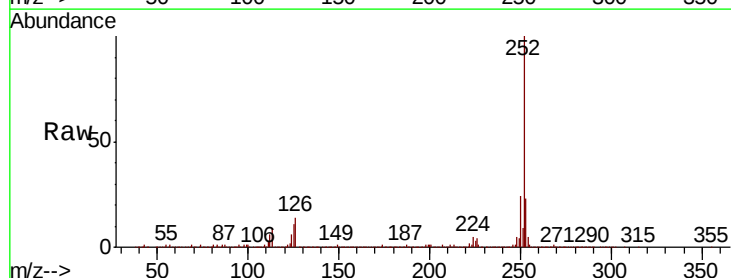
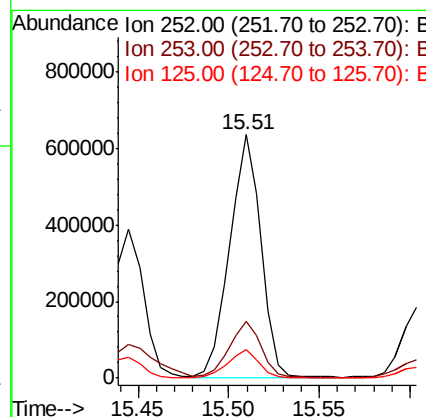
Manual Integrations
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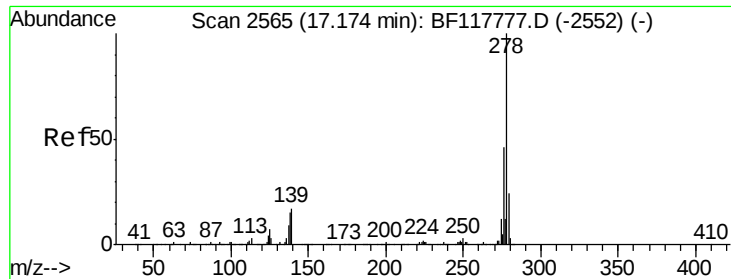
mohammad
12/5/2019 10:50:55 AM



#90
Benzo(a)pyrene
Concen: 26.522 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	11.5	8.9	13.3





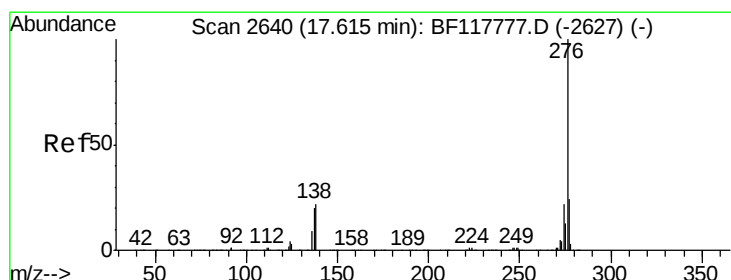
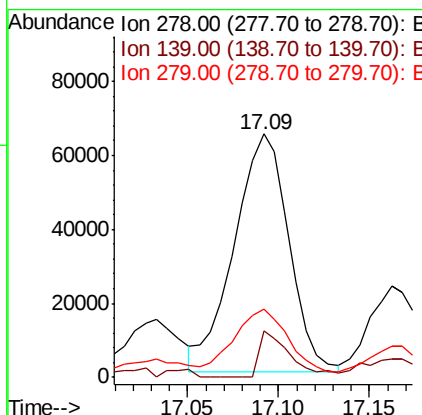
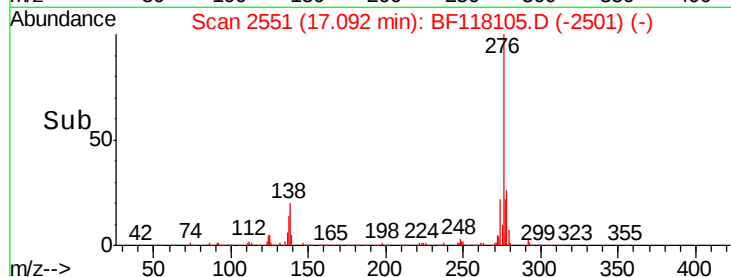
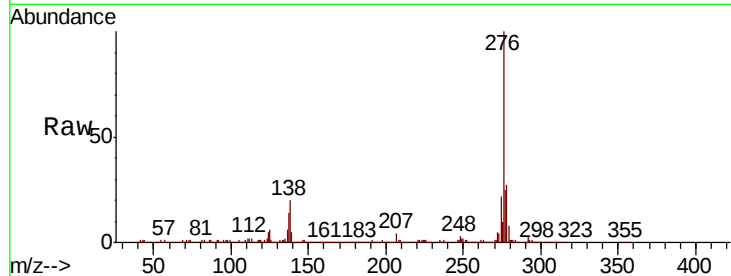
#91
Dibenzo(a,h)anthracene
Concen: 5.457 ng m
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Instrument :
BNA_F
ClientSampleId :
B-5-(0.5-1.0)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.3	12.2	18.4#
279	27.9	19.0	28.6

Manual Integrations
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mohammad
12/5/2019 10:50:55 AM



#92
Benzo(g,h,i)perylene
Concen: 18.586 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BF118105.D
Acq: 5 Dec 2019 00:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.6	16.6	25.0

