

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118246.D
 Acq On : 18 Dec 2019 00:32
 Operator : JU
 Sample : K6117-04 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-121319

Manual Integrations
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 12/18/2019 2:41:22 PM

Quant Time: Dec 18 07:12:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	118198	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	443127	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	201927	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	317352	20.00	ng	0.00
76) Chrysene-d12	14.06	240	237330	20.00	ng	-0.01
87) Perylene-d12	15.55	264	194337	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	316956	46.97	ng	0.00
7) Phenol-d6	6.49	99	397754	48.73	ng	-0.01
23) Nitrobenzene-d5	7.42	82	219663	27.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	89598	36.53	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	435058	32.78	ng	-0.02
79) Terphenyl-d14	13.00	244	413289	29.95	ng	0.00
Target Compounds						
49) Acenaphthylene	9.77	152	101248	5.358	ng	Qvalue 98
58) Fluorene	10.46	166	28848	2.148	ng	98
71) Phenanthrene	11.43	178	168644	9.997	ng	97
72) Anthracene	11.48	178	75121	4.464	ng	98
75) Fluoranthene	12.63	202	285496	16.552	ng	99
78) Pyrene	12.86	202	347636	18.588	ng	98
81) Benzo(a)anthracene	14.05	228	165566m	10.089	ng	
83) Chrysene	14.09	228	159484	10.174	ng	95
86) Indeno(1,2,3-cd)pyrene	17.06	276	62880	4.767	ng	95
88) Benzo(b)fluoranthene	15.11	252	141705m	11.025	ng	
89) Benzo(k)fluoranthene	15.14	252	51633m	4.182	ng	
90) Benzo(a)pyrene	15.49	252	119903	10.563	ng	96
91) Dibenzo(a,h)anthracene	17.06	278	19597	2.013	ng	# 63
92) Benzo(g,h,i)perylene	17.52	276	67399	7.204	ng	# 93

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

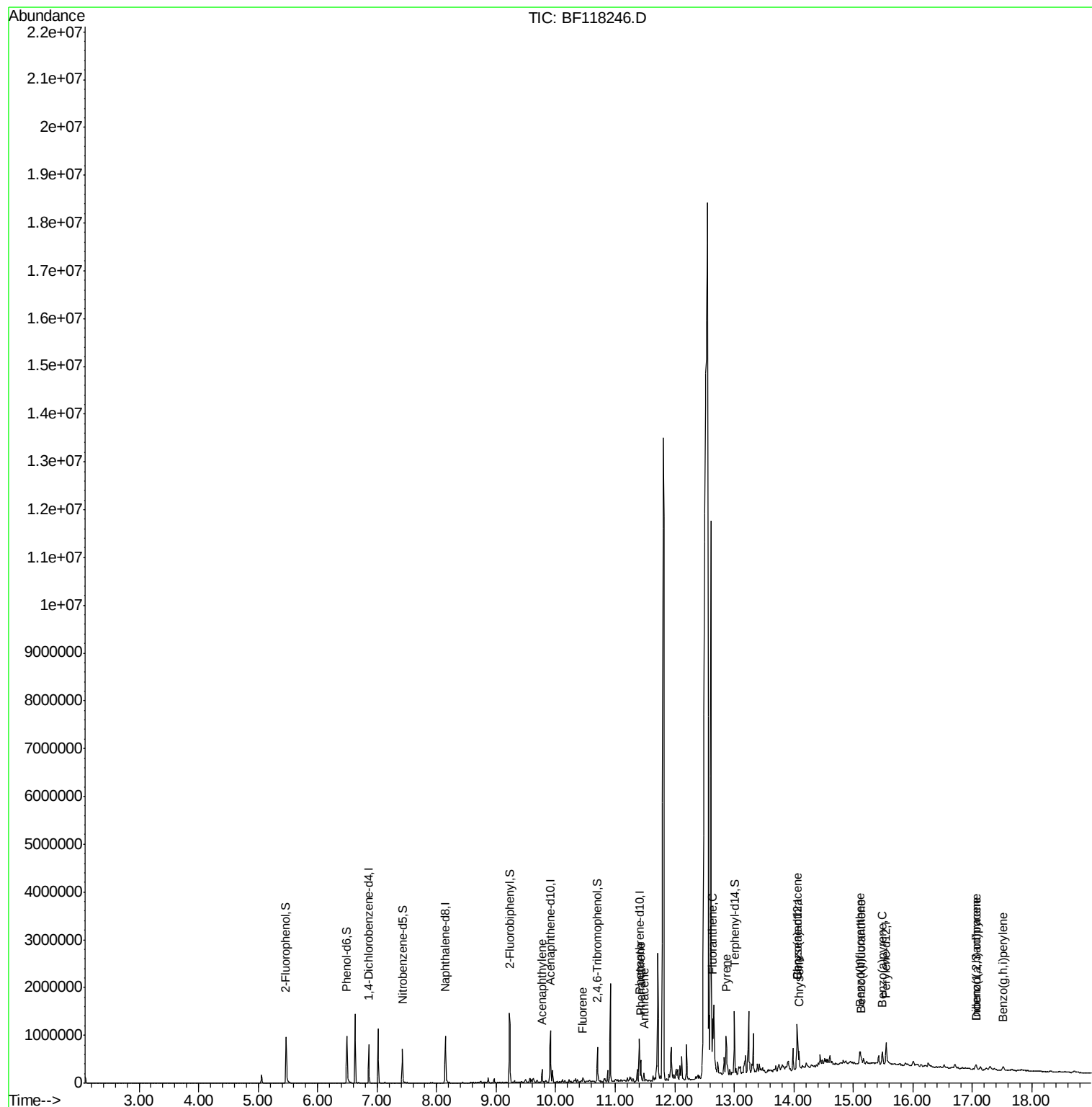
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
Data File : BF118246.D
Acq On : 18 Dec 2019 00:32
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ALS Vial : 23 Sample Multiplier: 1

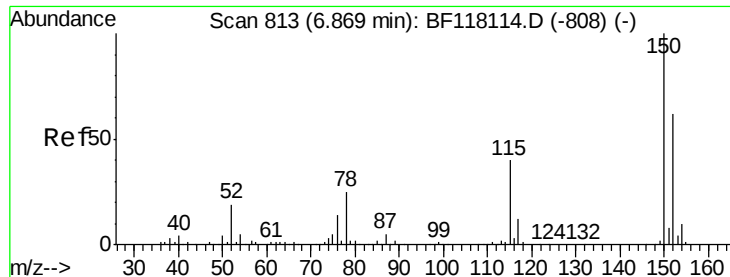
Instrument :
BNA_F
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TR-05-121319

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Quant Time: Dec 18 07:12:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

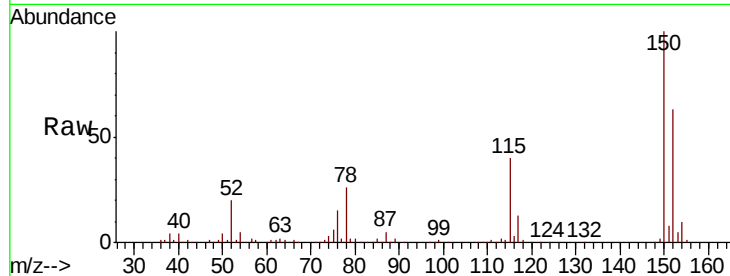
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion	Ratio	Resp	Lower	Upper
152	100	118198		
150	158.4	128.3	192.5	
115	63.8	51.1	76.7	

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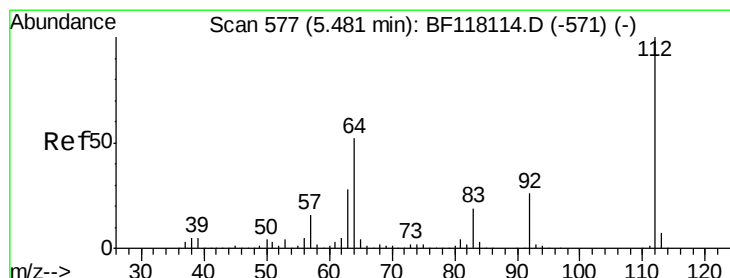
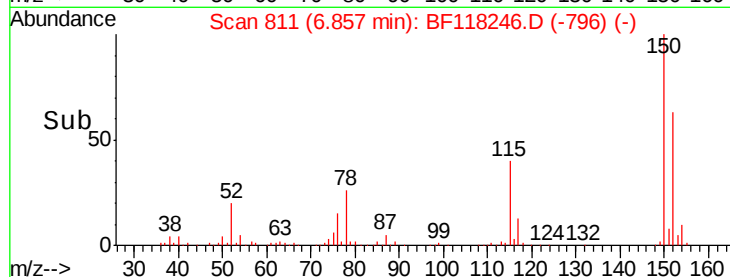
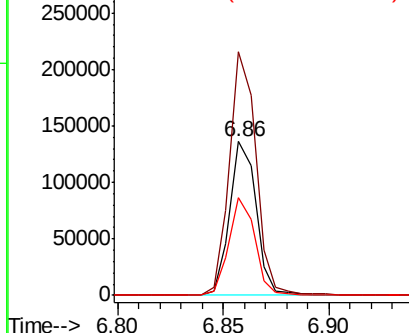


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

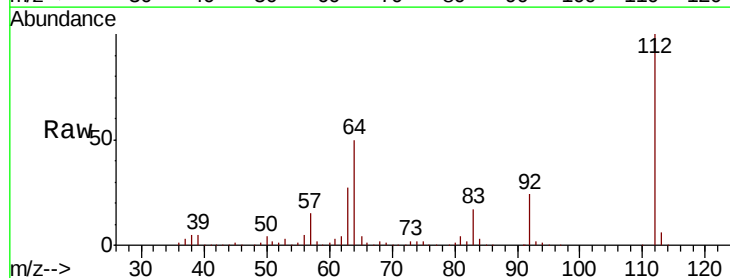
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.967 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	316956		
64	49.8	41.3	61.9	
63	27.2	22.4	33.6	

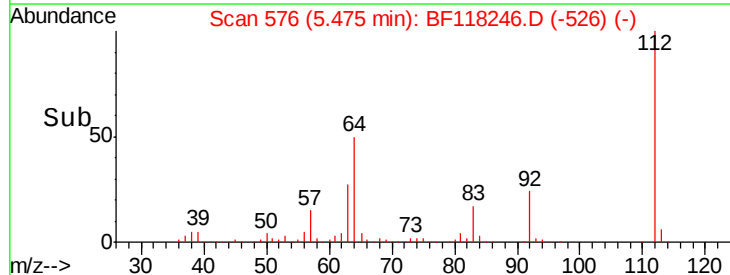
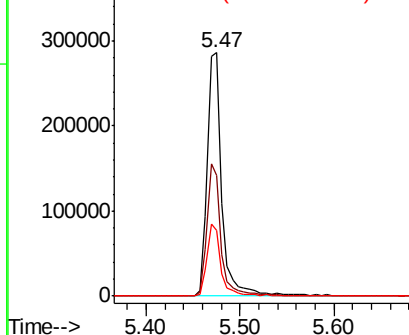


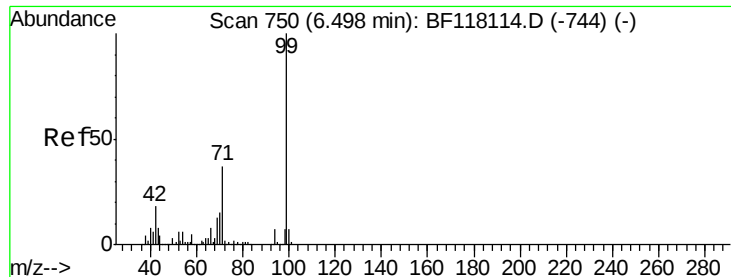
Abundance

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: 48.729 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

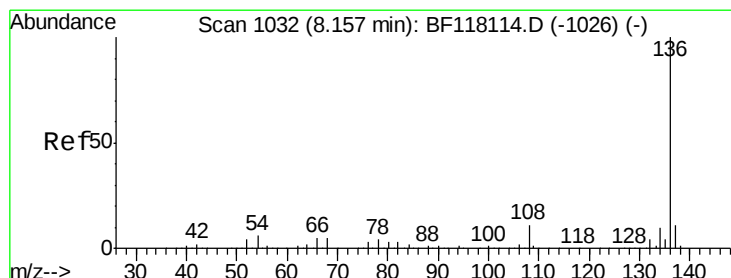
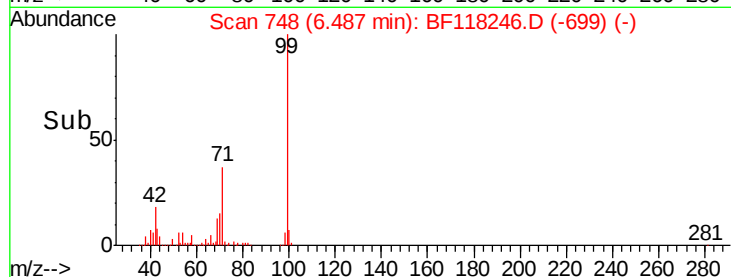
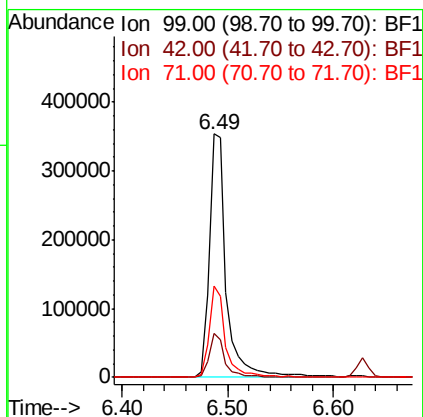
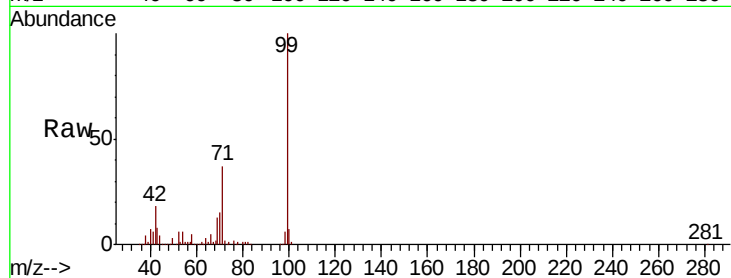
ClientSampleId :

TR-05-121319

Tot Ion:	99	Resp:	397754
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.1	21.1
71	37.4	29.7	44.5

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#21

Naphthalene-d8

Concen: 20.000 ng

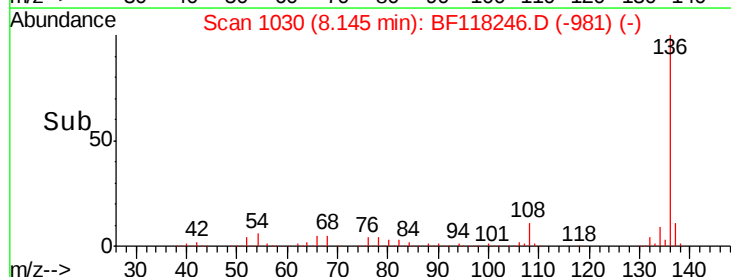
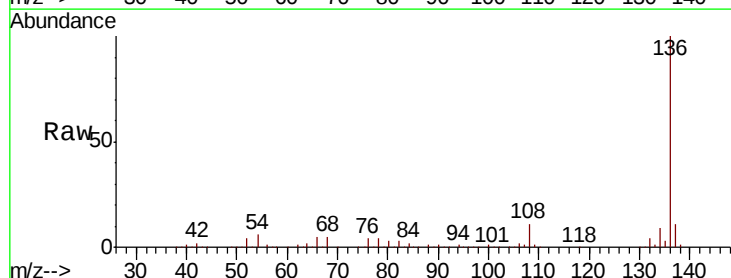
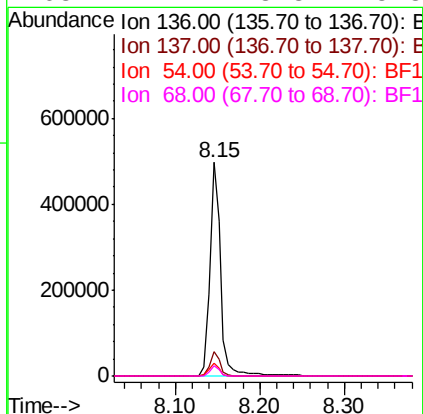
RT: 8.15 min Scan# 1030

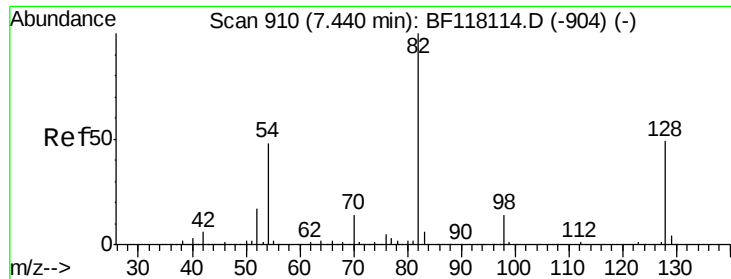
Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Tgt Ion:	136	Resp:	443127
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	6.1	5.0	7.6
68	4.7	3.8	5.8





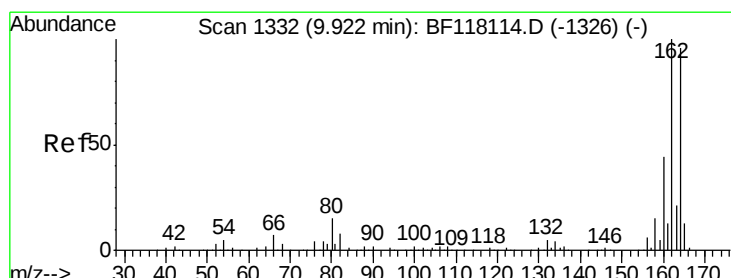
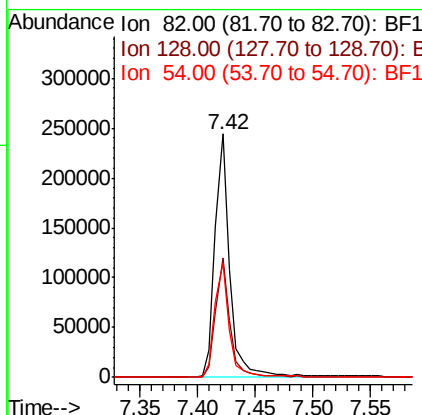
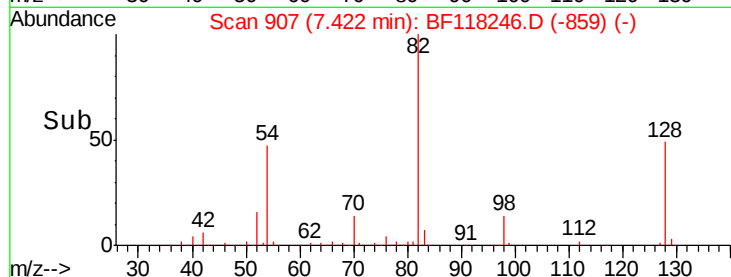
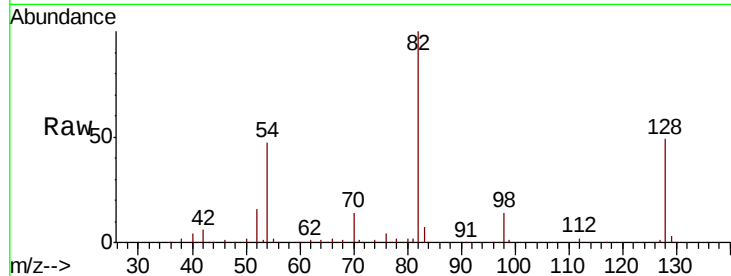
#23
 Nitrobenzene-d5
 Concen: 27.888 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-121319

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.8	39.1	58.7
54	46.8	38.2	57.2

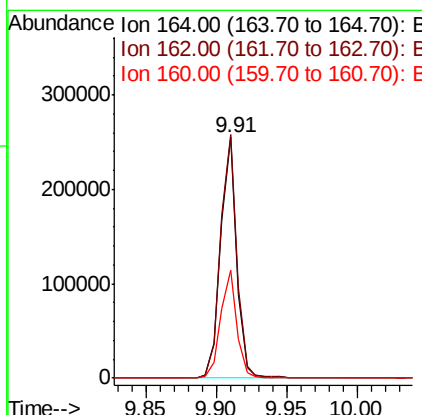
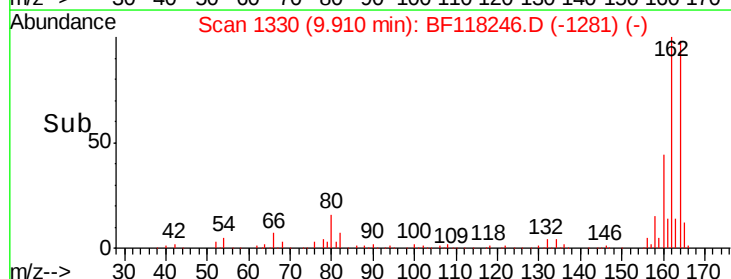
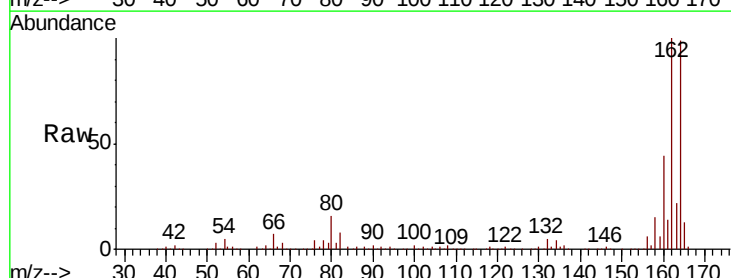
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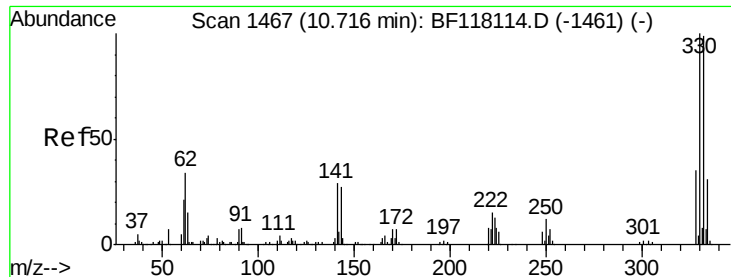
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.4	125.0
160	44.8	36.6	54.8





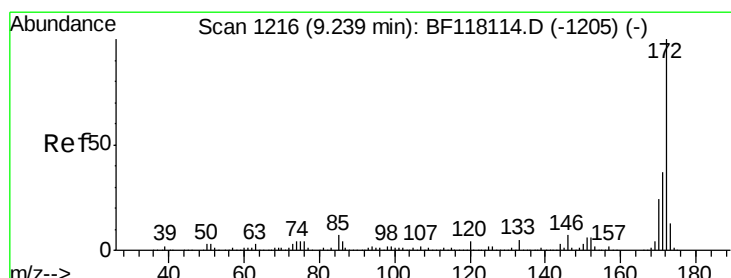
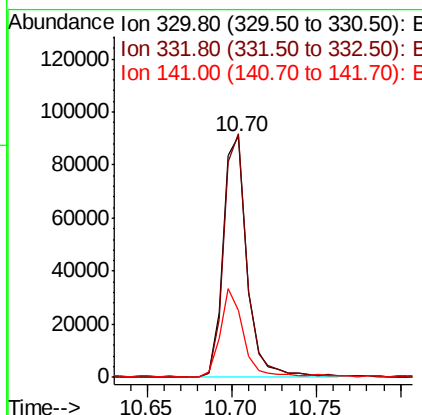
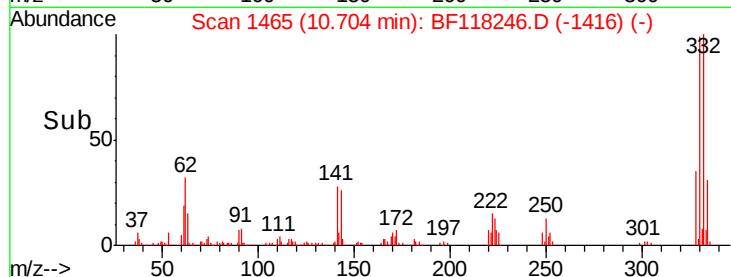
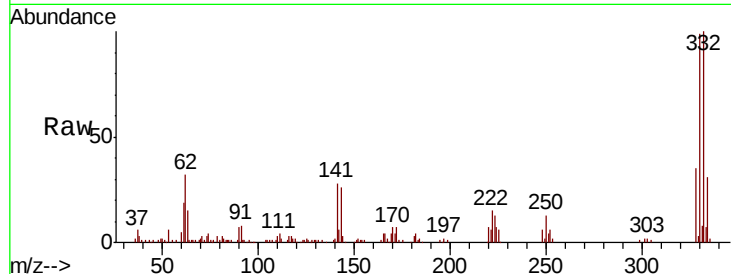
#42
 2,4,6-Tribromophenol
 Concen: 36.525 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-121319

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.5	78.1	117.1	
141	35.9	26.9	40.3	

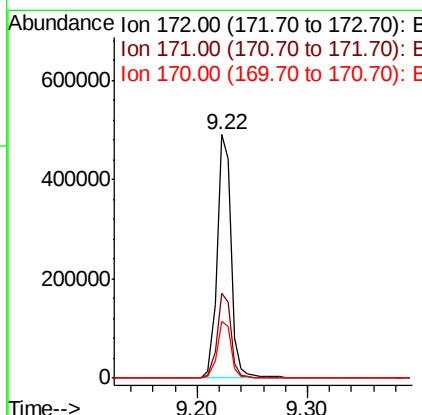
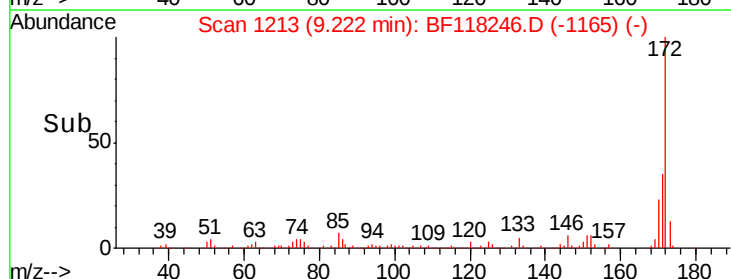
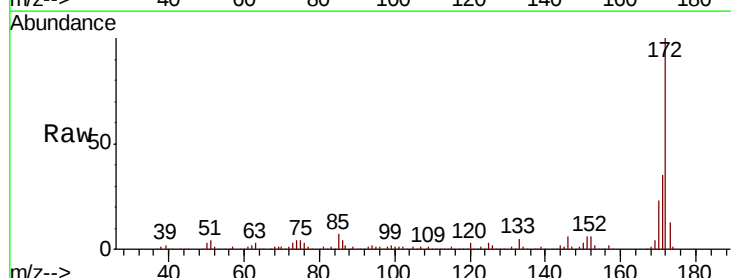
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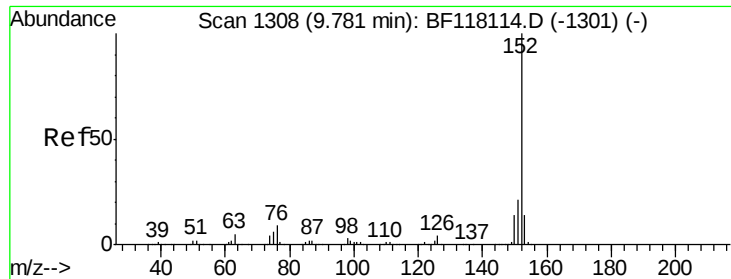
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#45
 2-Fluorobiphenyl
 Concen: 32.784 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118246.D
 Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.2	43.8	
170	23.1	19.4	29.2	





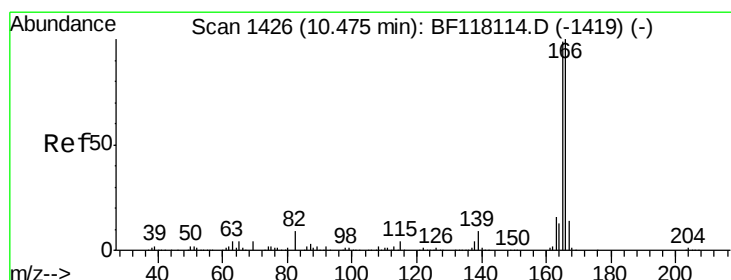
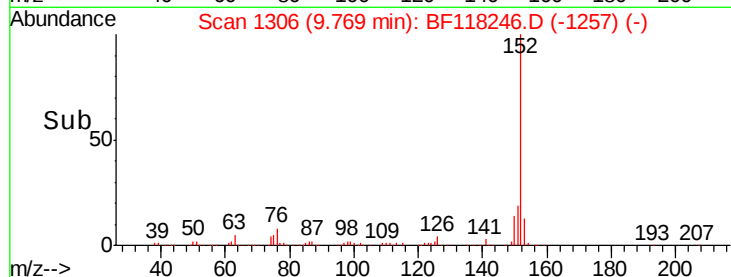
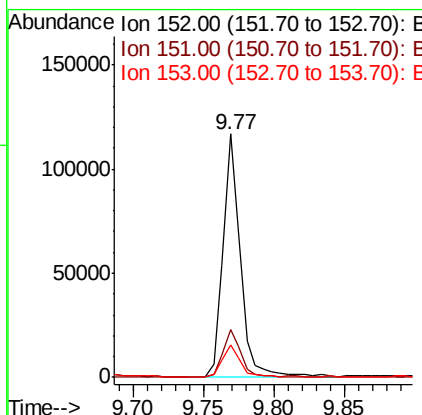
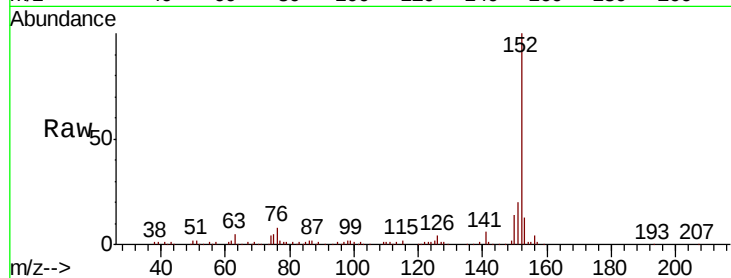
#49
Acenaphthylene
Concen: 5.358 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.4	24.6
153	13.2	10.8	16.2

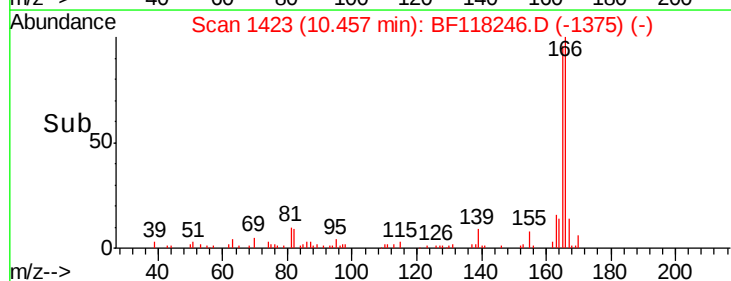
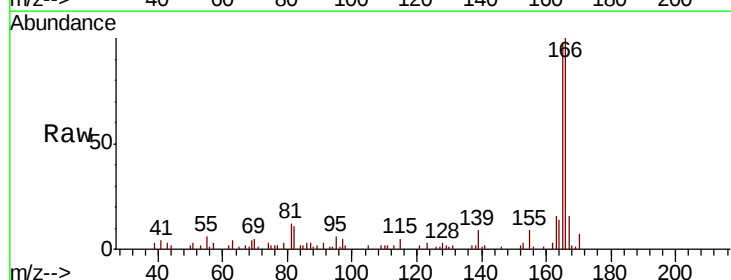
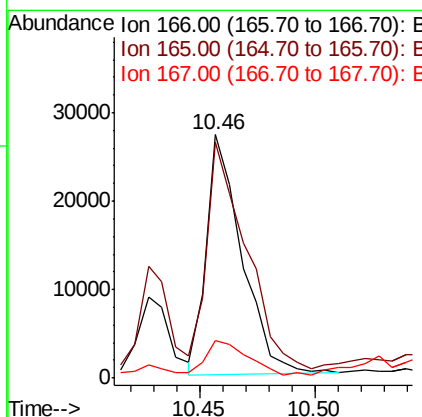
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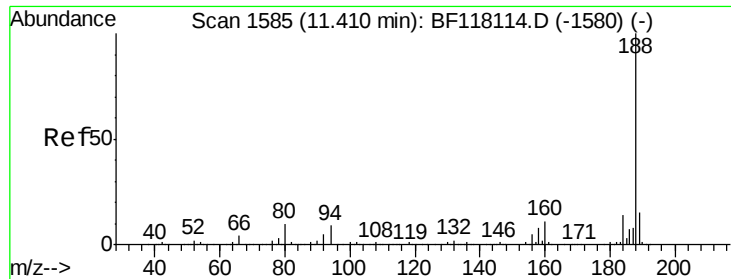
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#58
Fluorene
Concen: 2.148 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	79.0	118.4
167	15.6	10.9	16.3





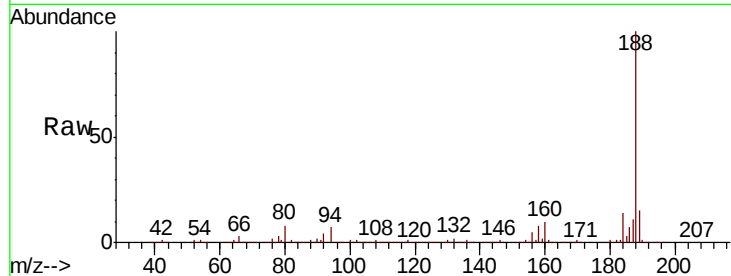
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

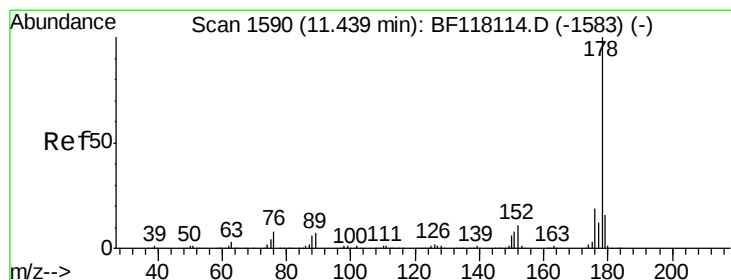
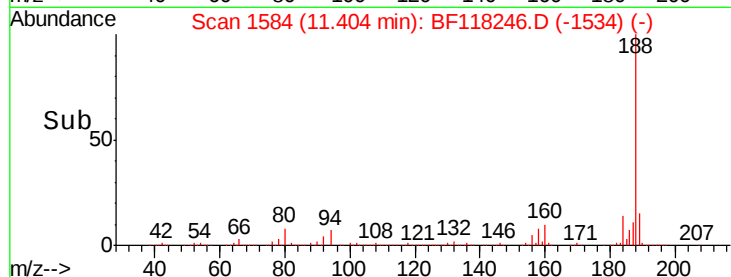
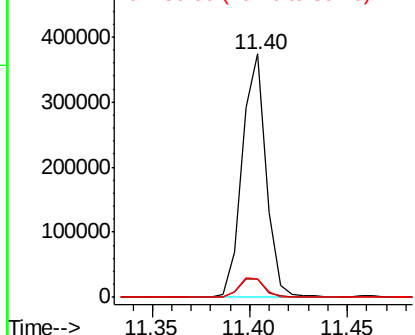
Tot Ion	Ratio	Resp	Lower	Upper
188	100	317352		
94	7.3		7.1	10.7
80	7.5		7.9	11.9#

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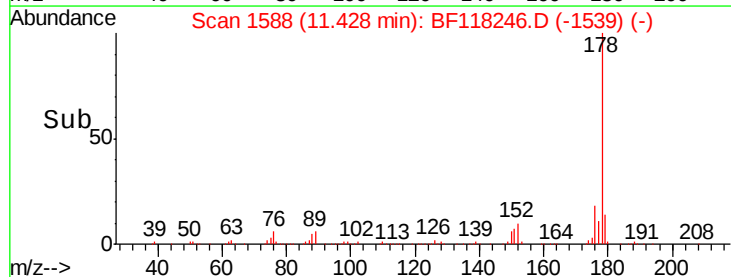
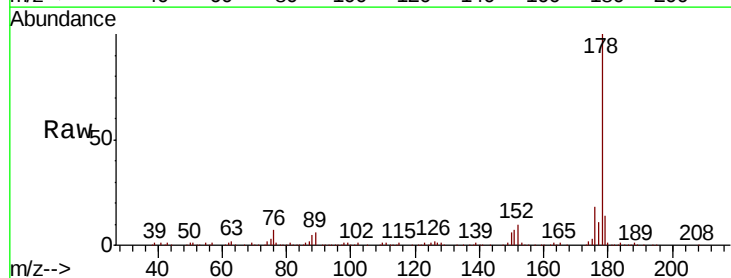
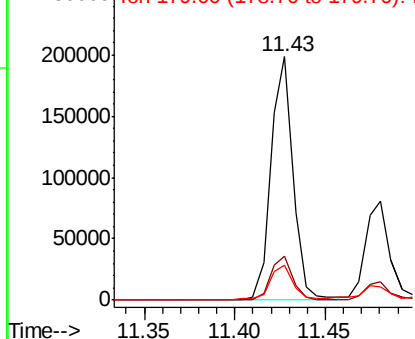
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

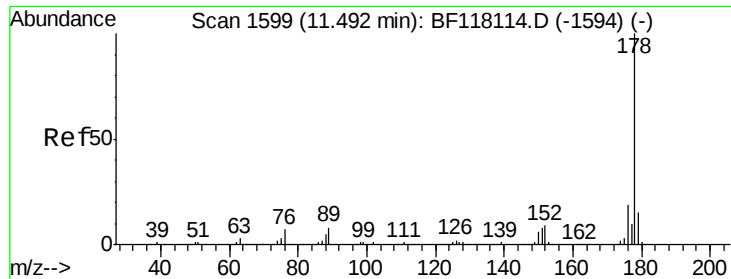


#71
Phenanthrene
Concen: 9.997 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	168644		
176	18.3		15.5	23.3
179	14.3		12.6	18.8

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: 4.464 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

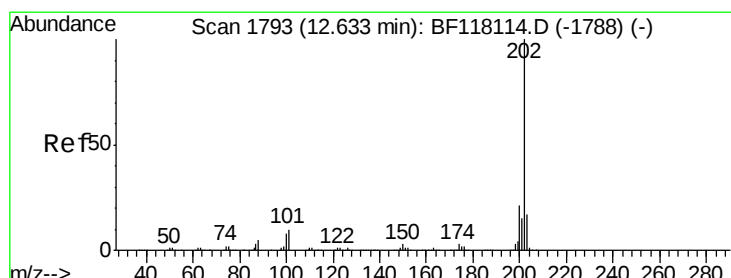
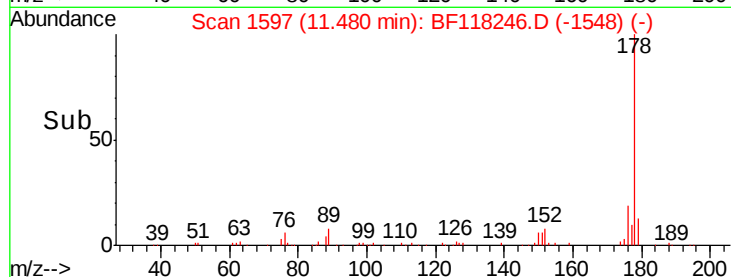
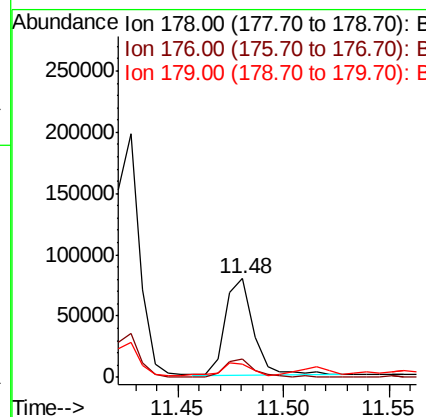
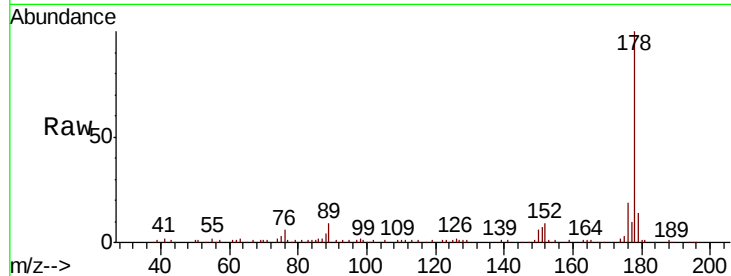
ClientSampleId :

TR-05-121319

Tot Ion:178	Resp:	75121
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.0 22.6
179	14.1	12.2 18.4

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#75

Fluoranthene

Concen: 16.552 ng

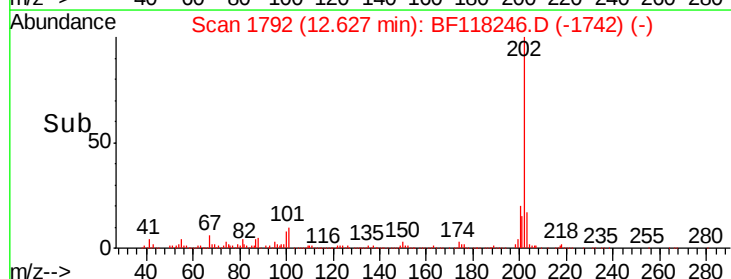
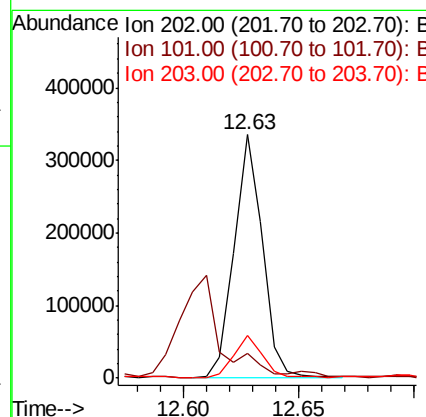
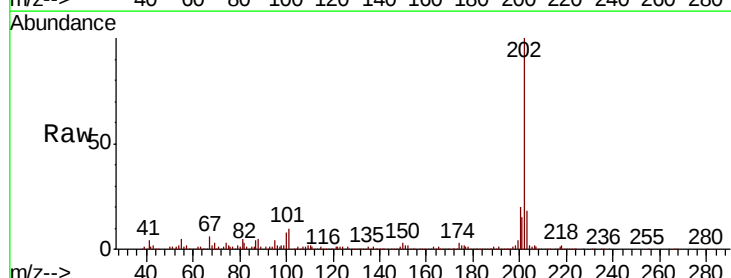
RT: 12.63 min Scan# 1792

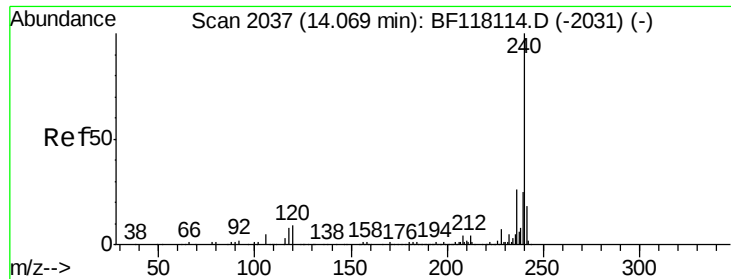
Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Tgt Ion:202	Resp:	285496
Ion Ratio	Lower	Upper
202	100	
101	10.2	0.0 30.4
203	17.6	0.0 37.2





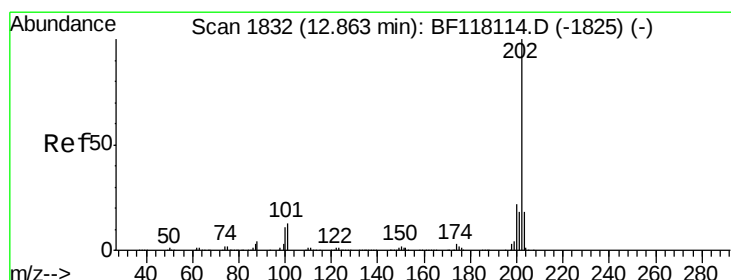
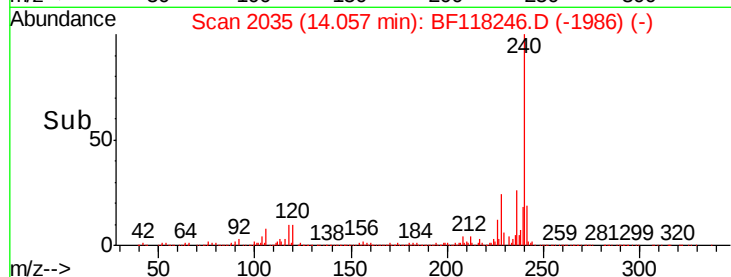
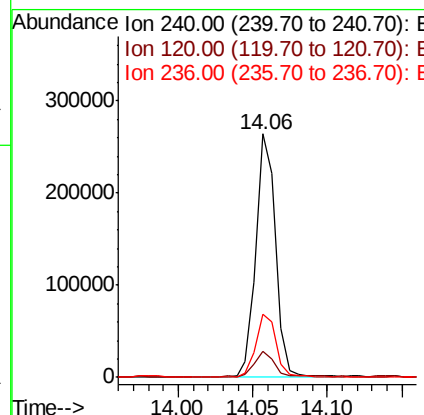
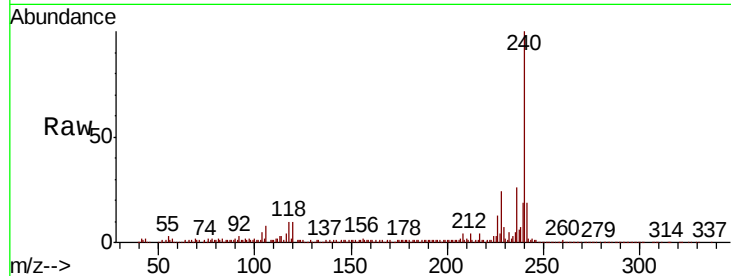
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion	Ratio	Resp	Lower	Upper
240	100	237330		
120	10.5	7.1	10.7	
236	25.9	21.0	31.6	

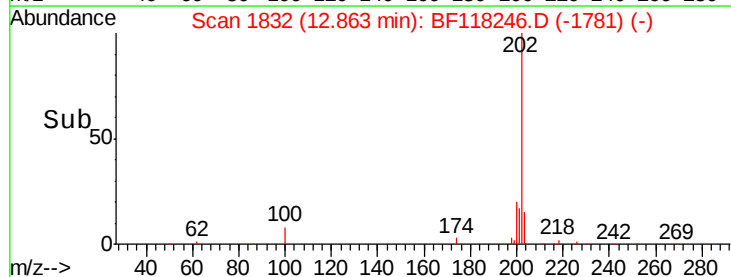
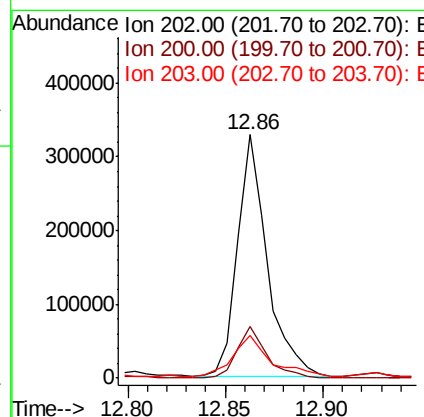
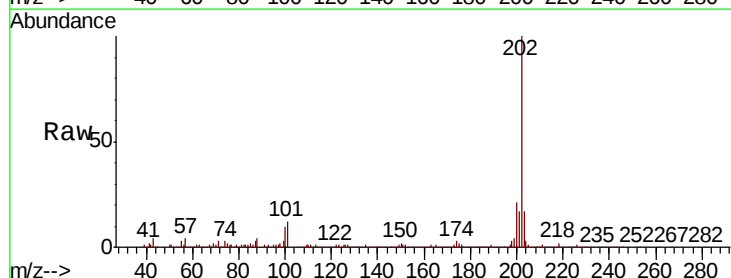
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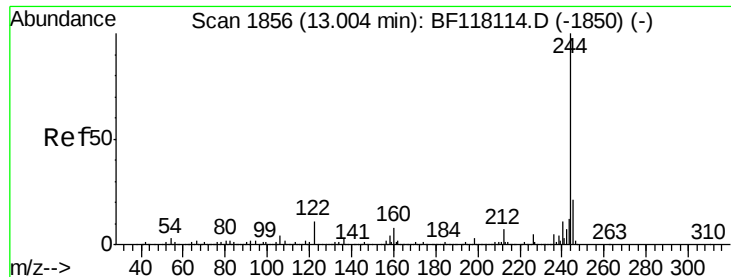
mohammad
12/18/2019 2:41:22 PM



#78
Pyrene
Concen: 18.588 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	347636		
200	20.9	17.5	26.3	
203	17.5	14.6	21.8	





#79

Terphenyl-d14

Concen: 29.946 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118246.D

Acq: 18 Dec 2019 00:32

Instrument :

BNA_F

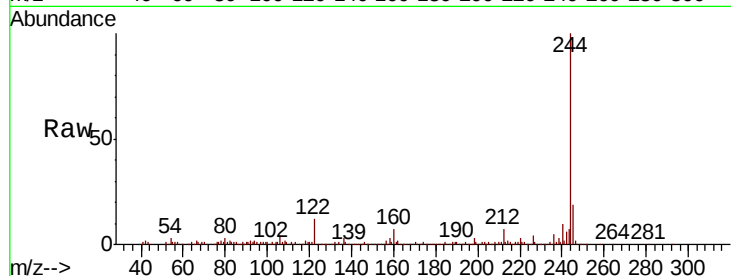
ClientSampleId :

TR-05-121319

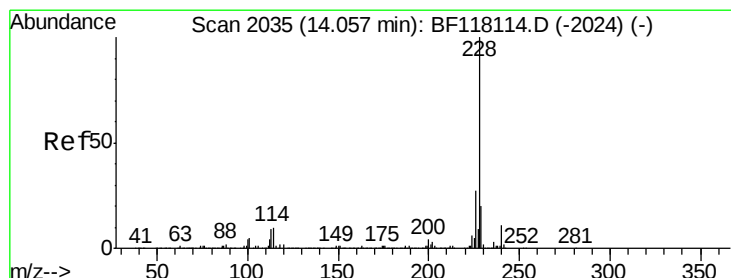
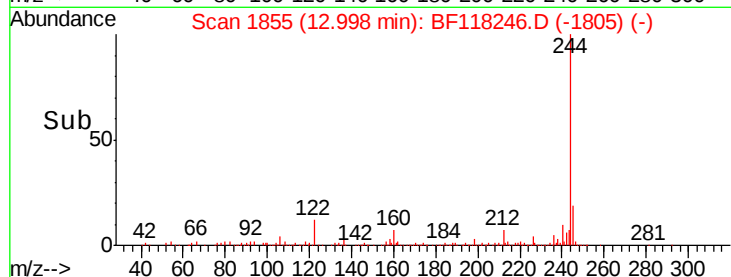
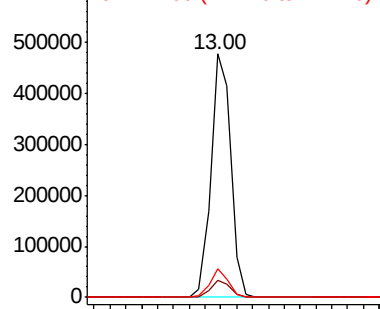
Tot Ion:	244	Resp:	413289
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	11.7	9.0	13.6

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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: 10.089 ng m

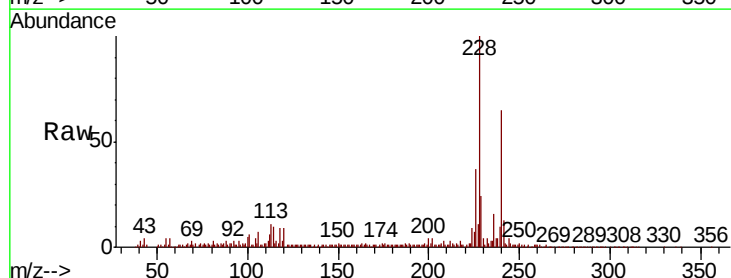
RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

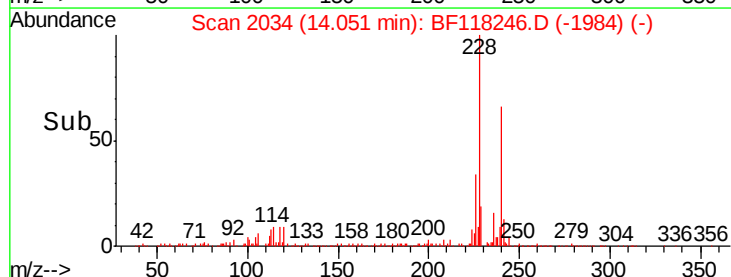
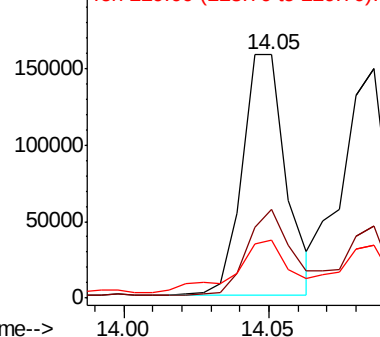
Lab File: BF118246.D

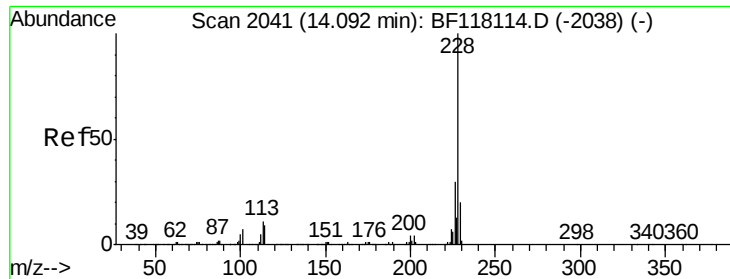
Acq: 18 Dec 2019 00:32

Tgt Ion:	228	Resp:	165566
Ion Ratio	Lower	Upper	
228	100		
226	36.6	21.8	32.8#
229	24.0	15.8	23.8#



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





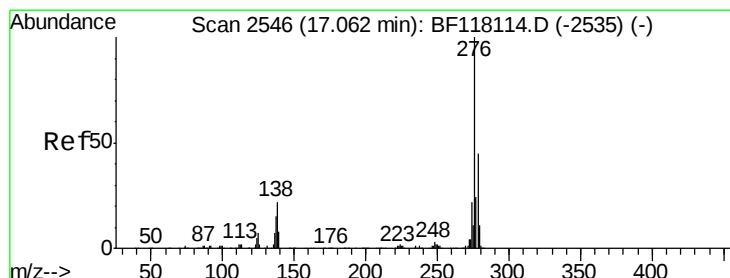
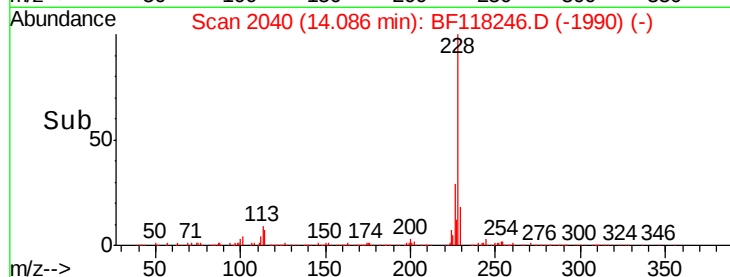
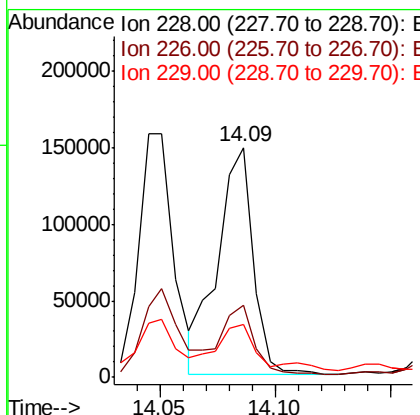
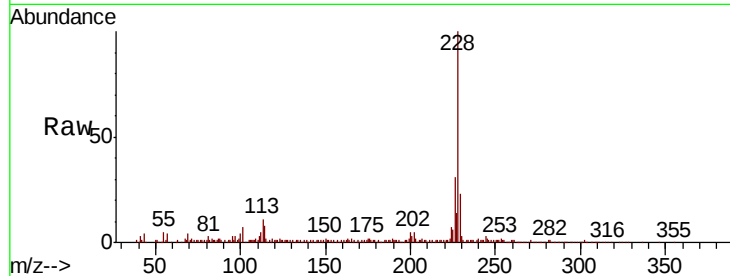
#83
Chrysene
Concen: 10.174 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.8	35.8
229	23.2	15.7	23.5

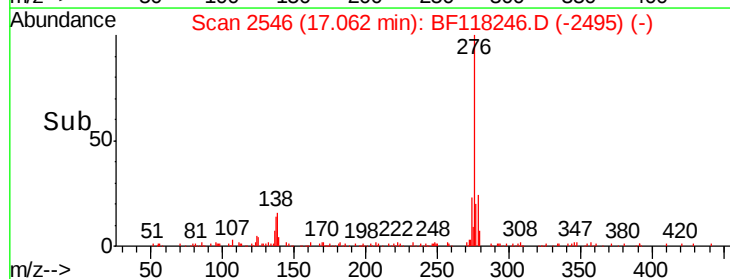
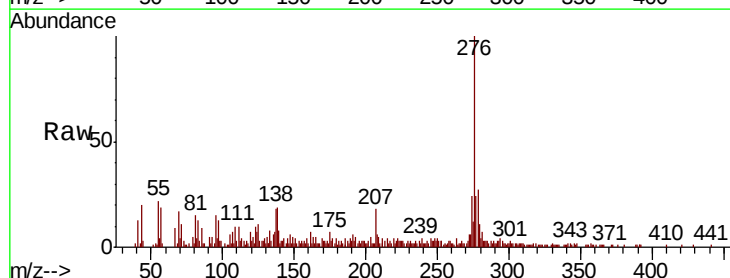
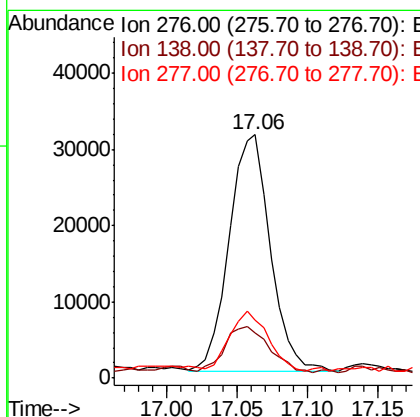
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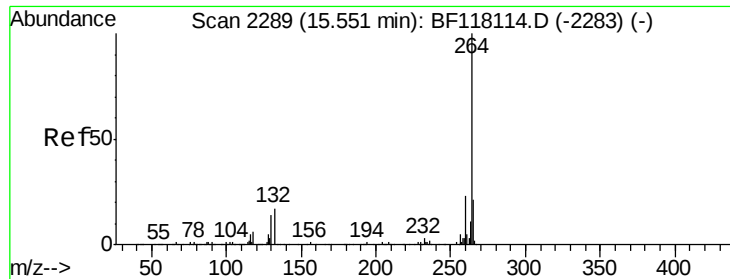
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.767 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.9	28.3
277	23.5	20.4	30.6





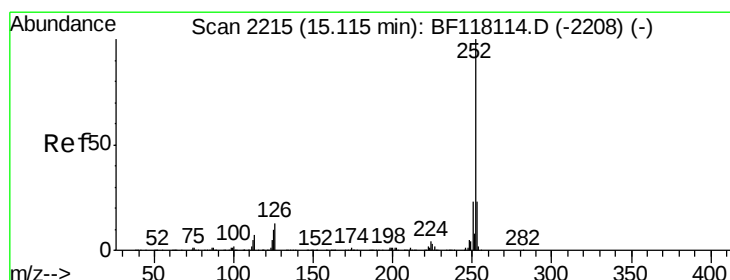
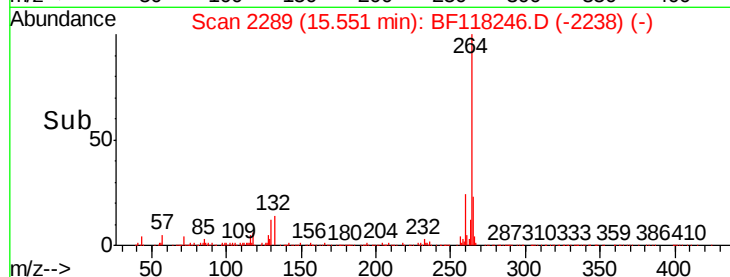
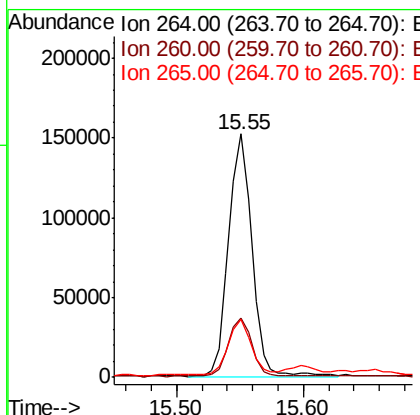
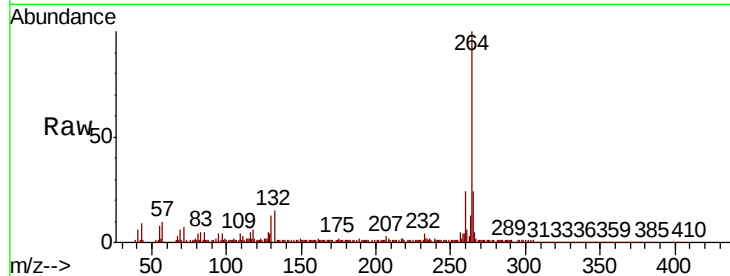
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion	Ratio	Resp	Lower	Upper
264	100	194337		
260	24.5	18.6	28.0	
265	23.8	16.8	25.2	

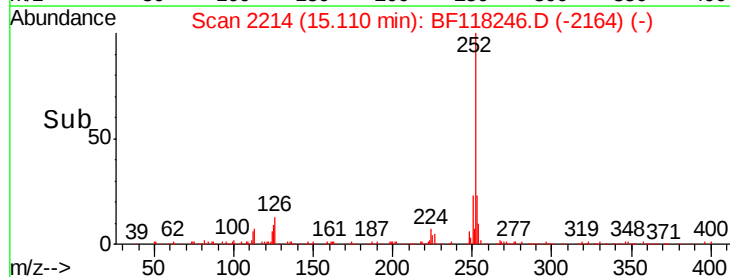
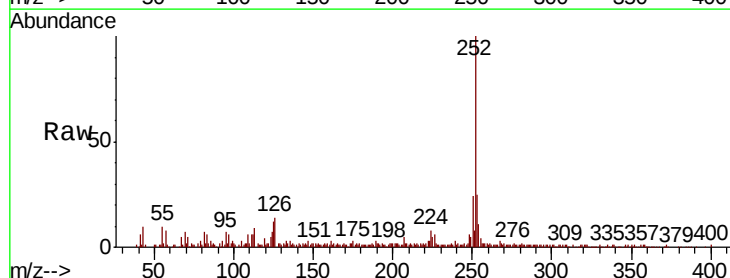
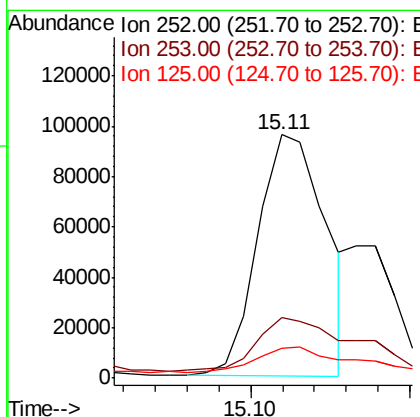
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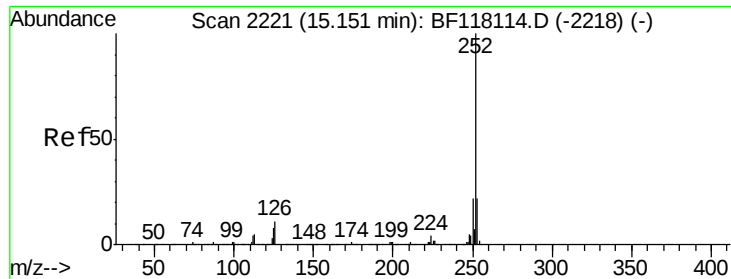
mohammad
12/18/2019 2:41:22 PM



#88
Benzo(b)fluoranthene
Concen: 11.025 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	141705		
253	24.8	18.2	27.4	
125	12.3	8.3	12.5	





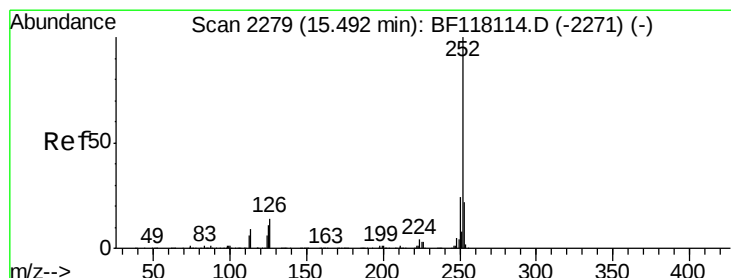
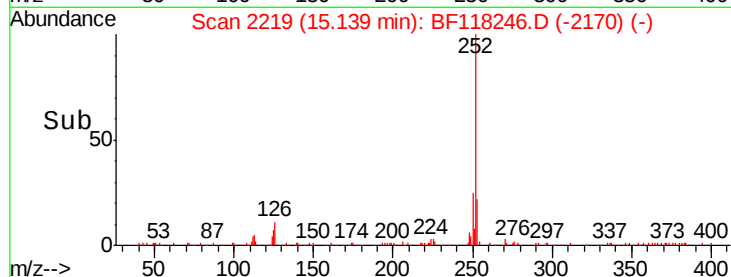
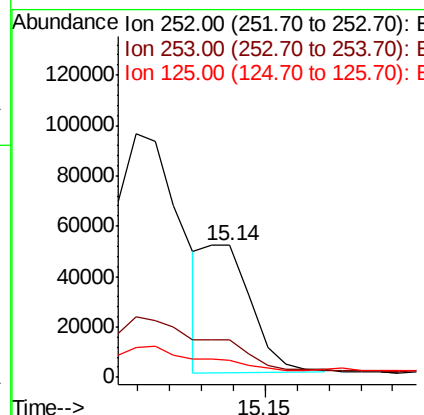
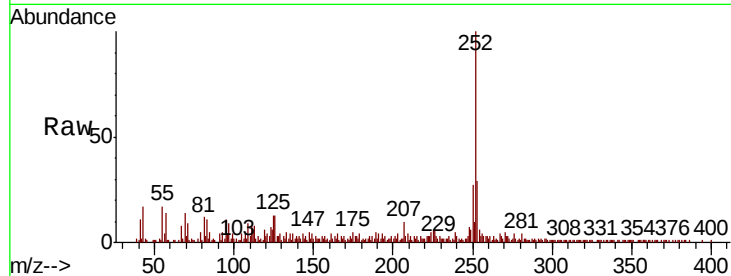
#89
Benzo(k)fluoranthene
Concen: 4.182 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.6	26.4#
125	12.8	6.7	10.1#

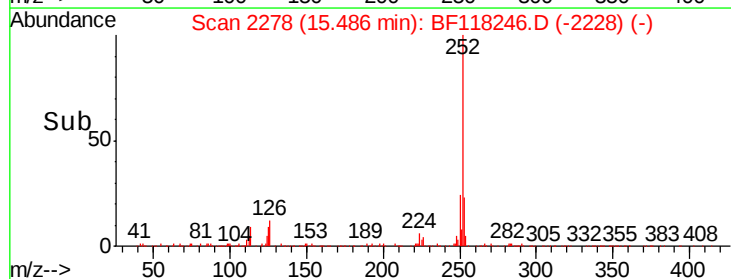
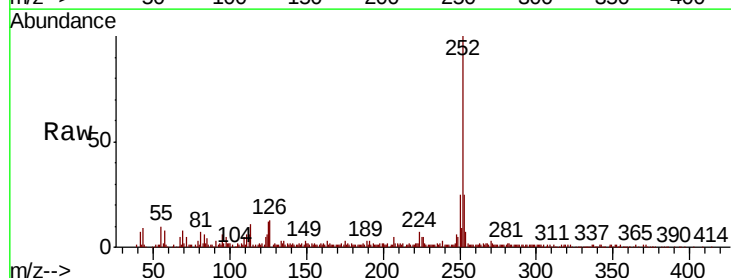
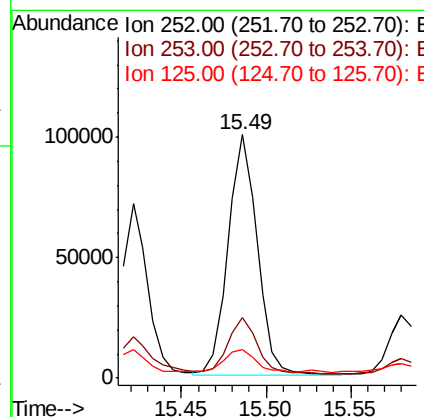
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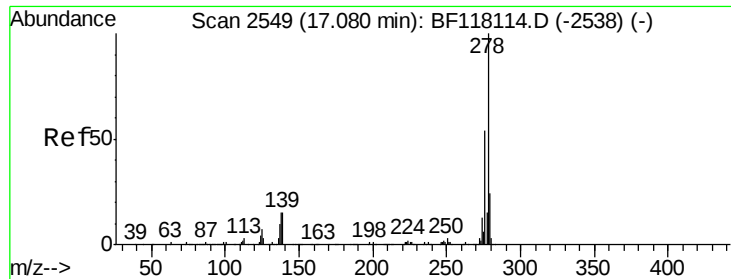
mohammad
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#90
Benzo(a)pyrene
Concen: 10.563 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	11.5	9.1	13.7





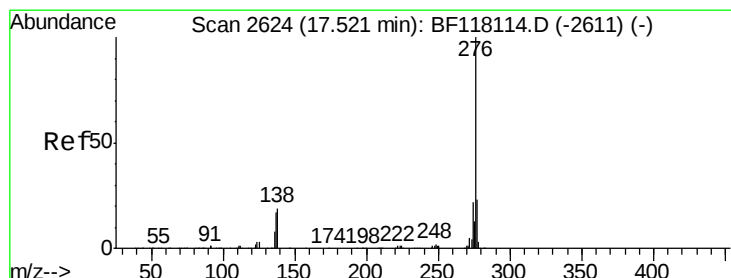
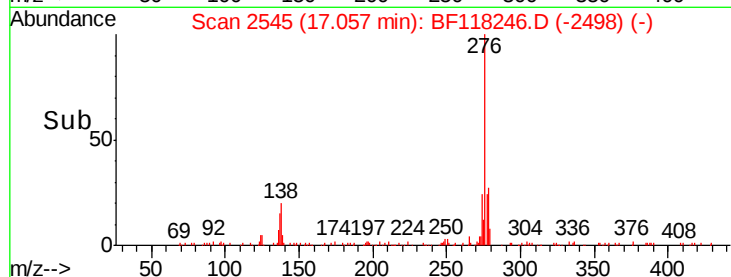
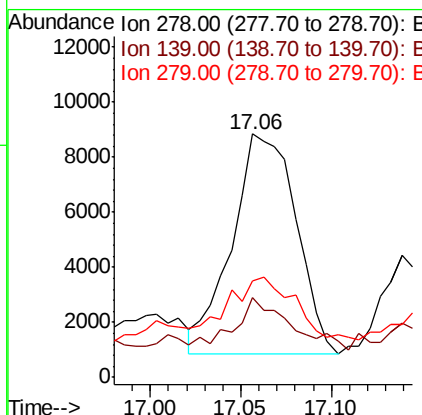
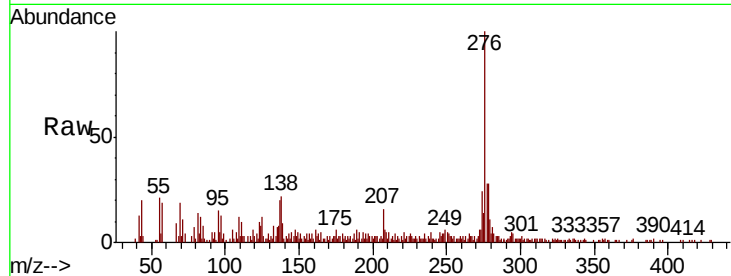
#91
Dibenzo(a,h)anthracene
Concen: 2.013 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.02 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion:278	Resp:	19597
Ion Ratio	Lower	Upper
278	100	
139	32.9	11.7 17.5#
279	39.8	19.0 28.4#

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#92
Benzo(g,h,i)perylene
Concen: 7.204 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF118246.D
Acq: 18 Dec 2019 00:32

Tgt Ion:276	Resp:	67399
Ion Ratio	Lower	Upper
276	100	
277	25.1	18.2 27.4
138	23.5	15.5 23.3#

