

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118197.D
 Acq On : 13 Dec 2019 20:24
 Operator : JU
 Sample : K6247-01DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200059DL

Manual Integrations
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mohammad
 12/16/2019 12:25:15 PM

Quant Time: Dec 13 23:55:59 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	125612	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	494172	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	260968	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	483393	20.00	ng	0.00
76) Chrysene-d12	14.06	240	314779	20.00	ng	-0.01
87) Perylene-d12	15.55	264	316243	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	321878	44.88	ng	0.00
7) Phenol-d6	6.49	99	401757	46.31	ng	0.00
23) Nitrobenzene-d5	7.43	82	238686	27.17	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	135150	42.63	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	538837	31.42	ng	-0.01
79) Terphenyl-d14	12.99	244	626950	34.25	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.17	128	310119	12.496	ng	99
37) 2-Methylnaphthalene	8.87	142	187880	11.182	ng	100
38) 1-Methylnaphthalene	8.97	142	89101	5.648	ng	98
46) 1,1'-Biphenyl	9.33	154	61486	2.987	ng	97
52) Acenaphthene	9.95	154	282867	18.978	ng	98
55) Dibenzofuran	10.12	168	259096	11.863	ng	99
58) Fluorene	10.46	166	254760	14.678	ng	99
71) Phenanthrene	11.43	178	1118734	43.536	ng	99
72) Anthracene	11.48	178	131217	5.119	ng	99
73) Carbazole	11.64	167	70453	3.063	ng	98
75) Fluoranthene	12.63	202	678334	25.819	ng	99
78) Pvrene	12.86	202	453548	18.284	ng	99
81) Benzo(a)anthracene	14.04	228	94008	4.319	ng	98
83) Chrysene	14.08	228	100873	4.852	ng	98
88) Benzo(b)fluoranthene	15.11	252	71212m	3.405	ng	

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

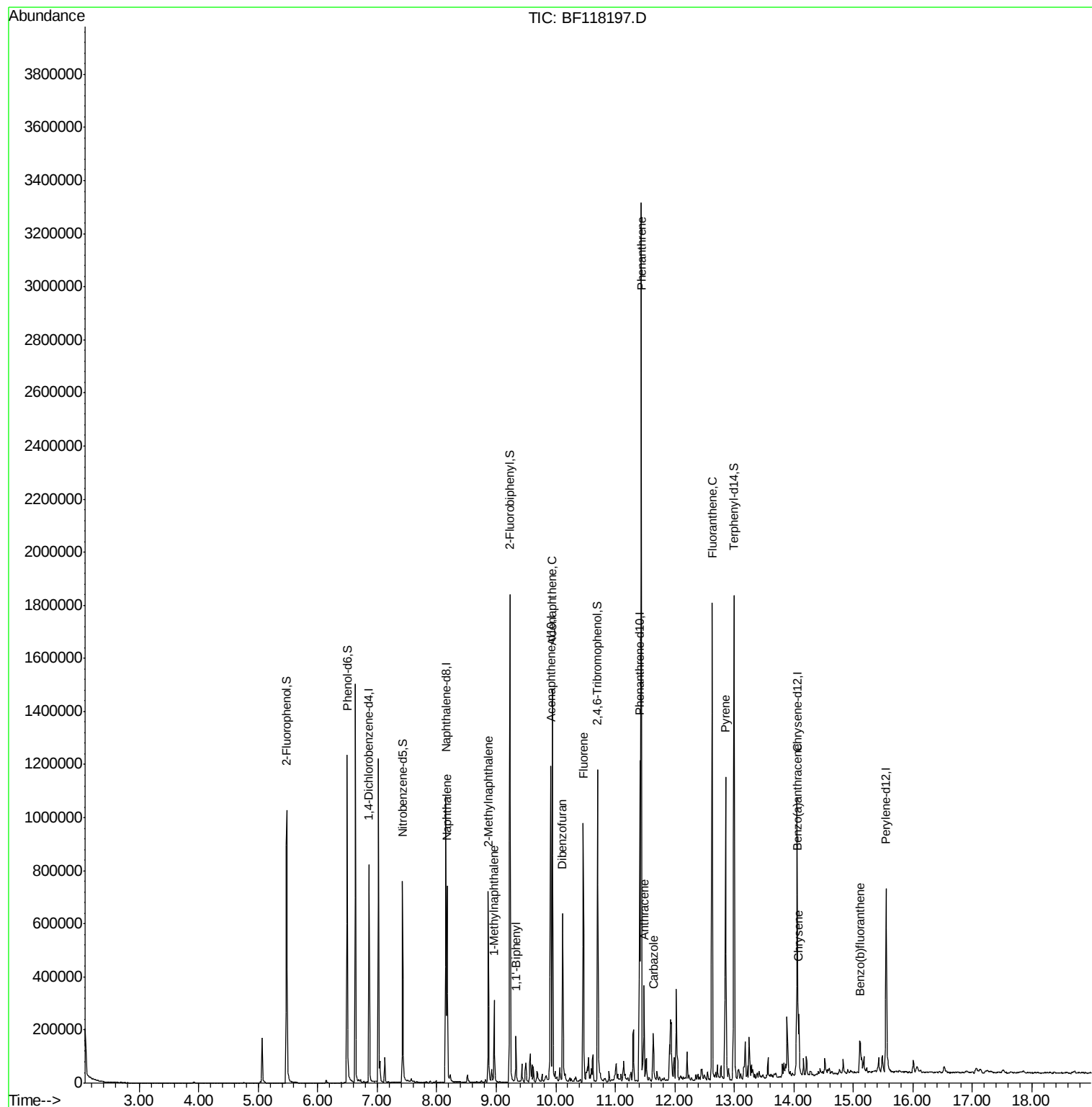
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118197.D
Acq On : 13 Dec 2019 20:24
Operator : JU
Sample : K6247-01DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

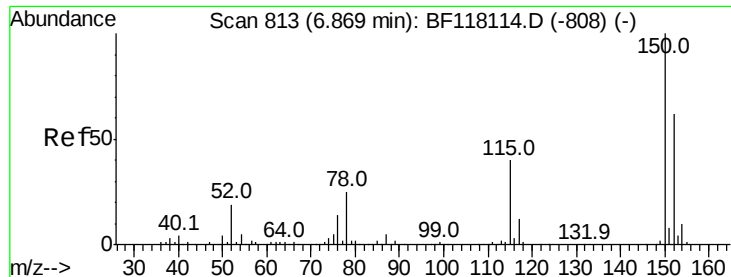
Instrument :
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Quant Time: Dec 13 23:55:59 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

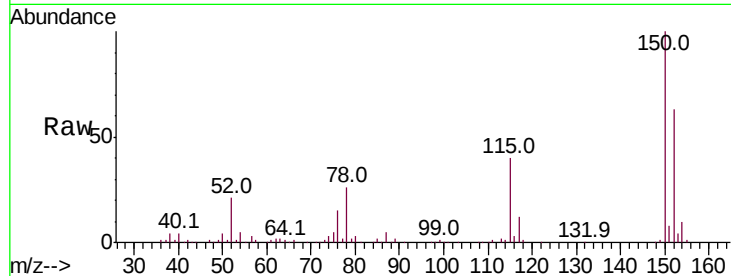
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	128.3	192.5
115	63.1	51.1	76.7

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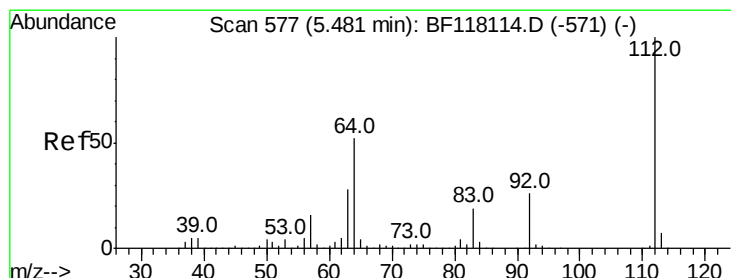
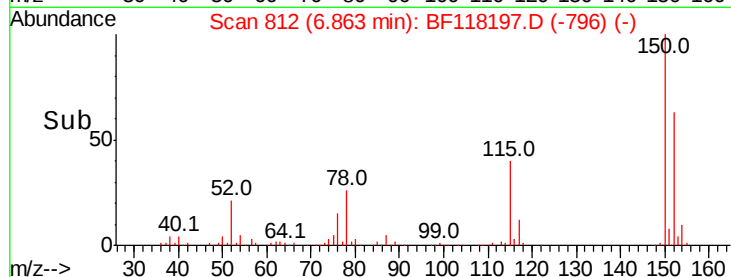
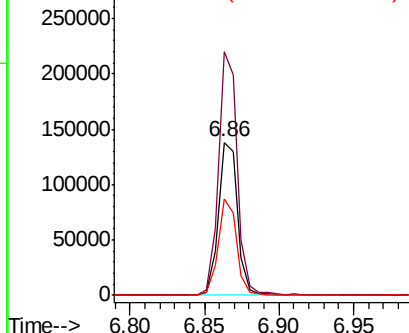


Abundance

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: 44.881 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

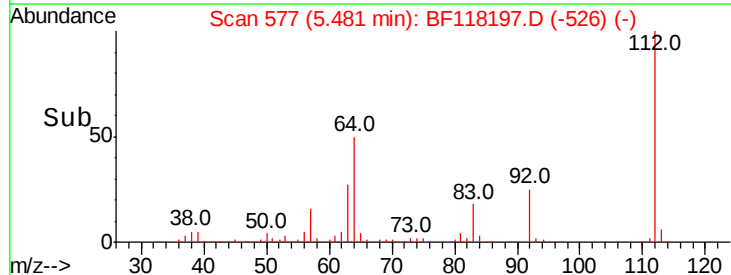
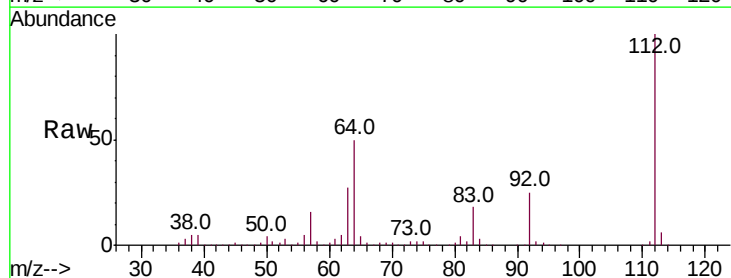
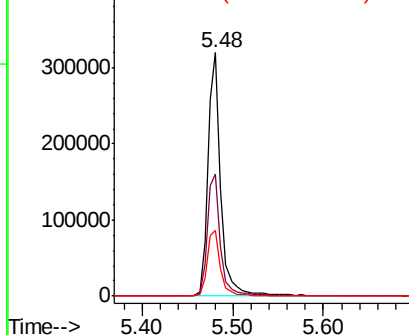
Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	41.3	61.9
63	27.0	22.4	33.6

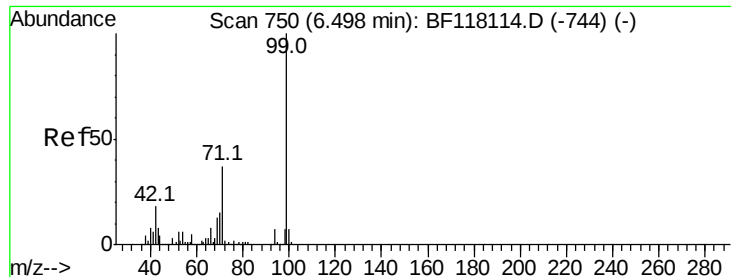
Abundance

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: 46.315 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118197.D

Acq: 13 Dec 2019 20:24

Instrument :

BNA_F

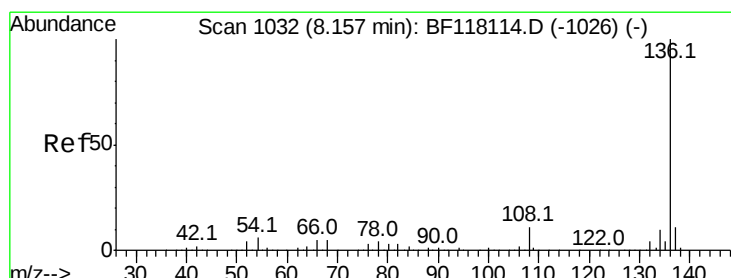
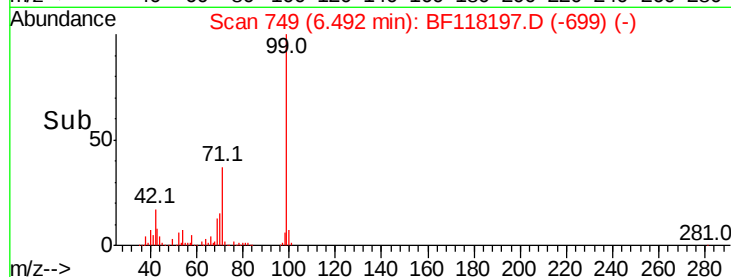
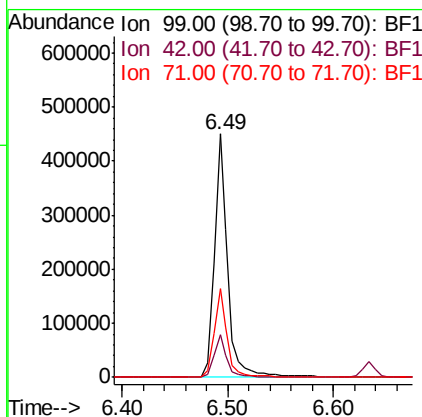
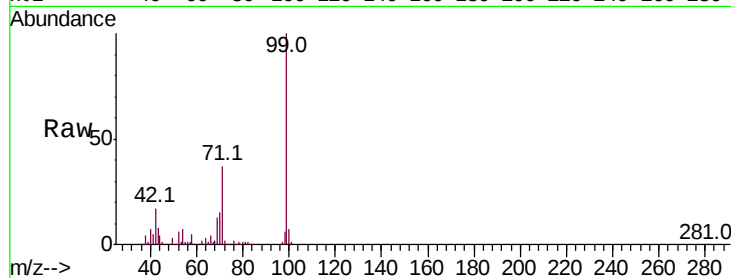
ClientSampleId :

RBR200059DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		401757		
42	17.4	14.1	21.1		
71	36.5	29.7	44.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

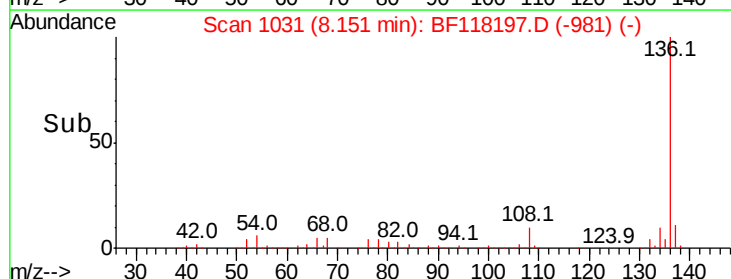
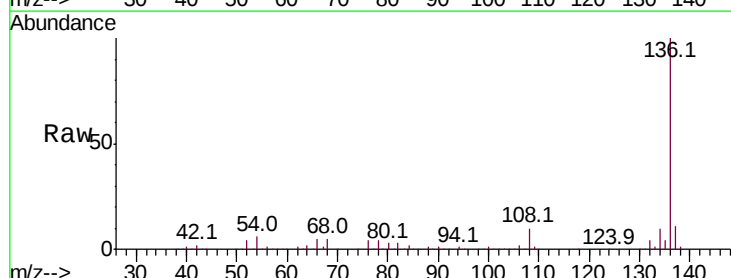
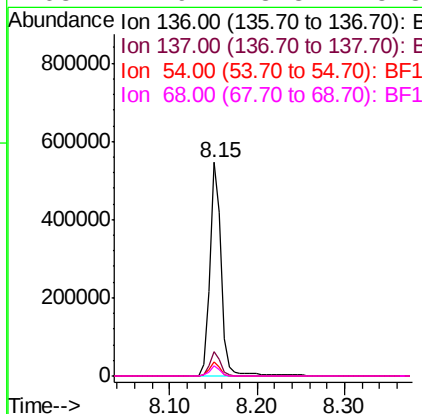
RT: 8.15 min Scan# 1031

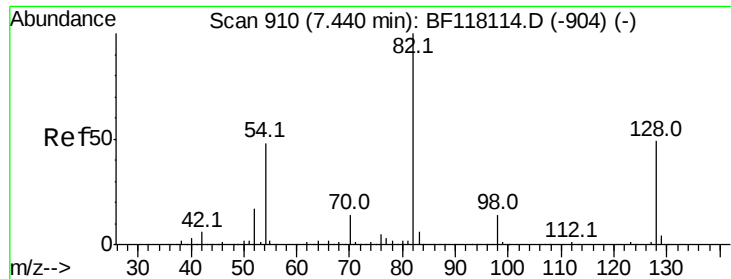
Delta R.T. -0.01 min

Lab File: BF118197.D

Acq: 13 Dec 2019 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		494172		
137	11.2	9.0	13.6		
54	6.5	5.0	7.6		
68	4.9	3.8	5.8		





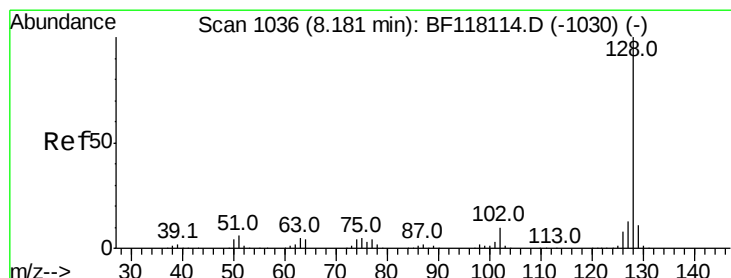
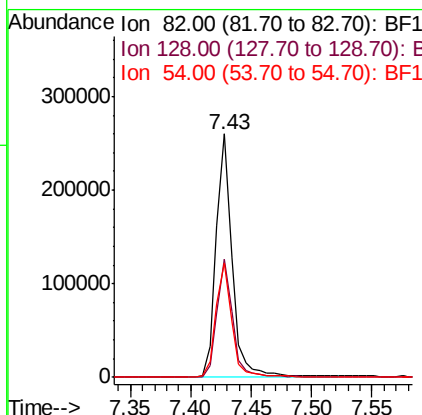
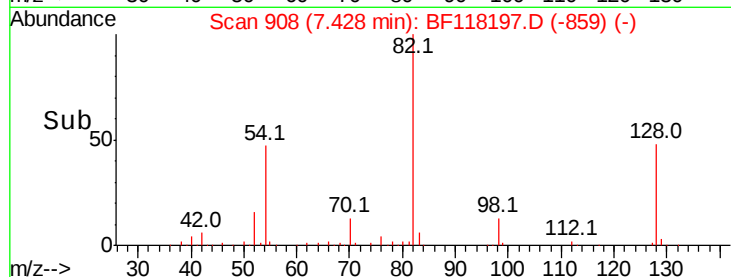
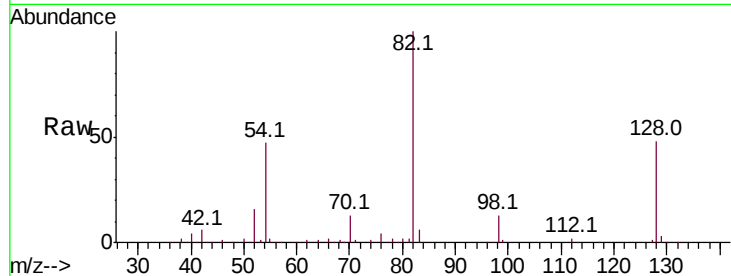
#23
 Nitrobenzene-d5
 Concen: 27.173 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Instrument :
 BNA_F
 ClientSampleId :
 RBR200059DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.1	58.7
54	46.9	38.2	57.2

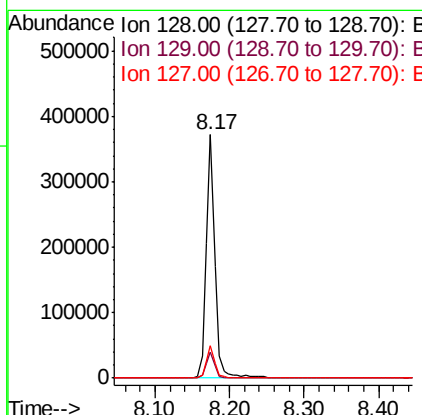
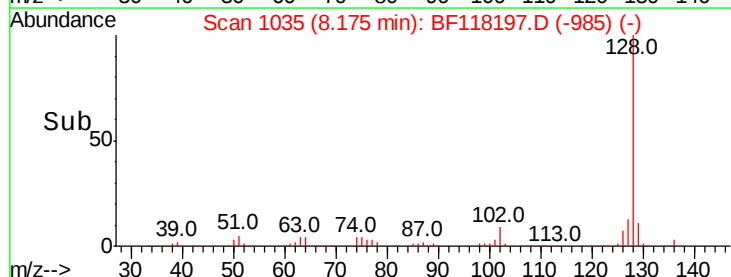
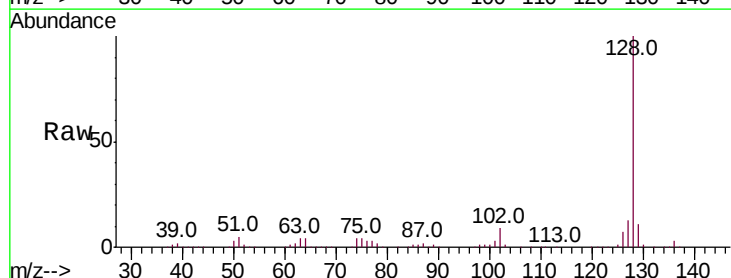
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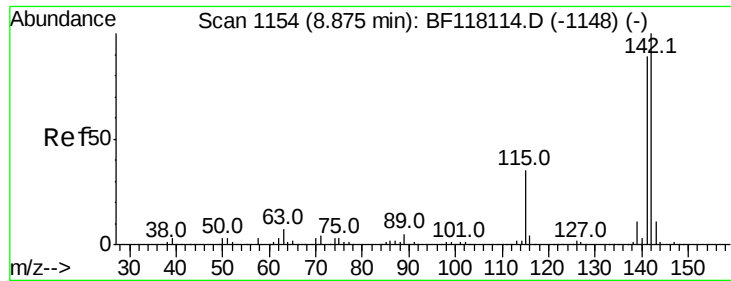
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#31
 Naphthalene
 Concen: 12.496 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.1	13.7
127	13.5	10.6	16.0





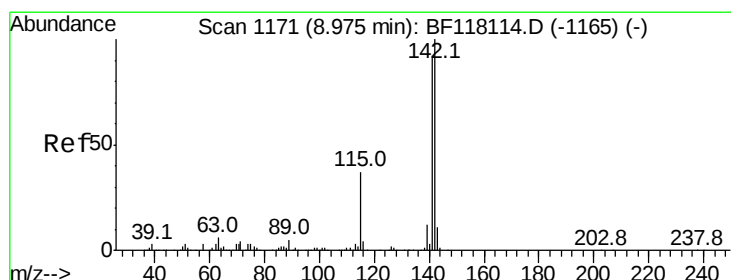
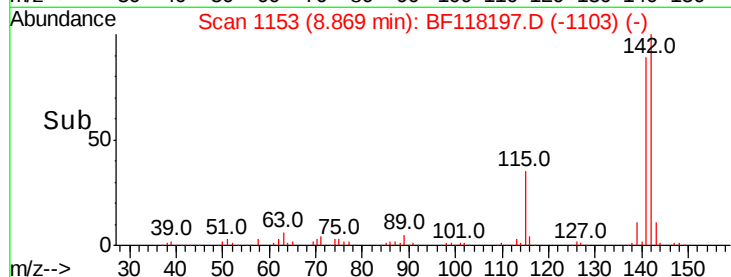
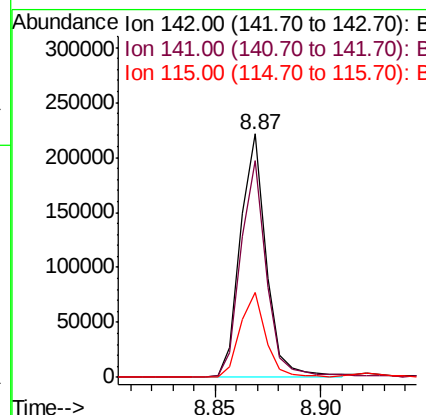
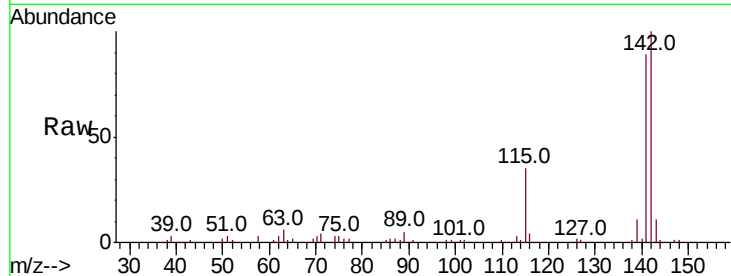
#37
2-Methylnaphthalene
Concen: 11.182 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.0
115	35.1	28.2	42.4

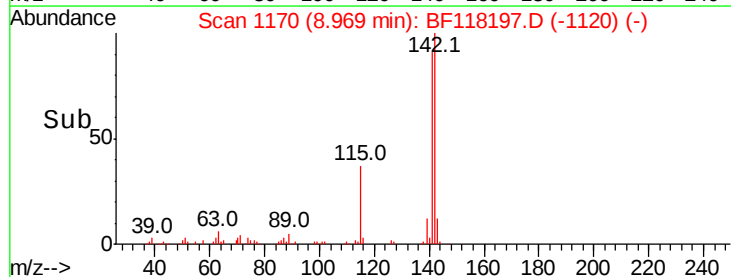
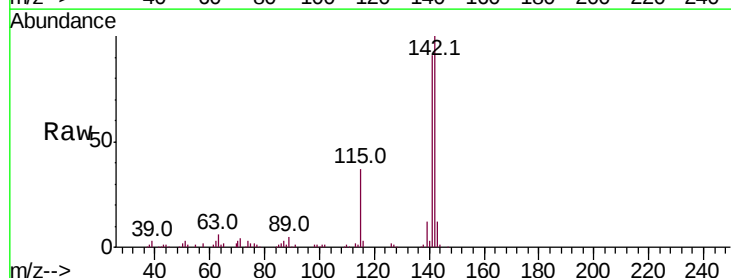
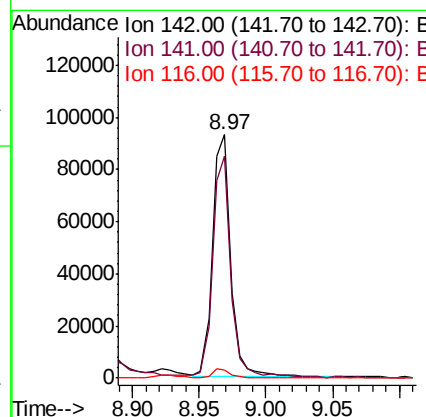
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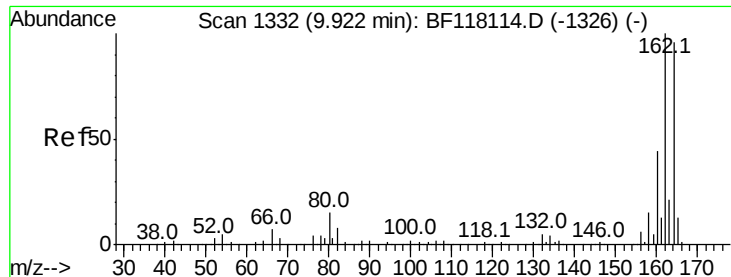
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#38
1-Methylnaphthalene
Concen: 5.648 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	74.0	111.0
116	3.3	3.2	4.8





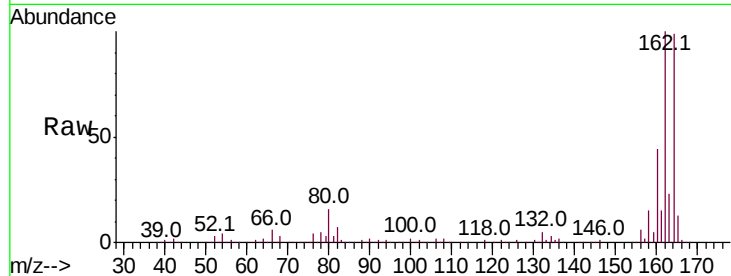
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

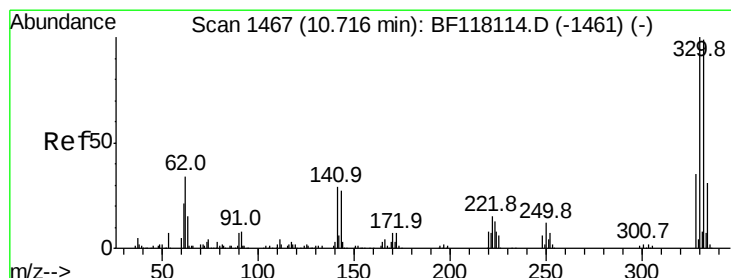
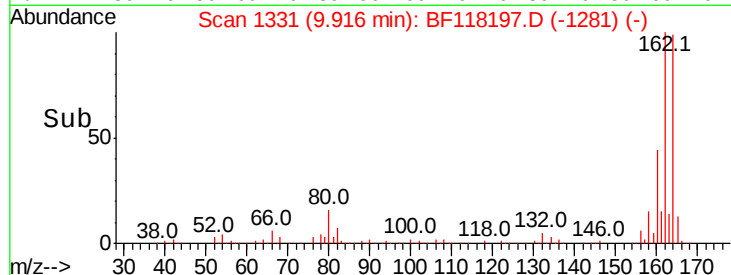
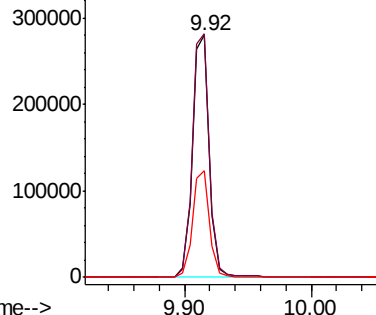
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	83.4	125.0
160	44.2	36.6	54.8

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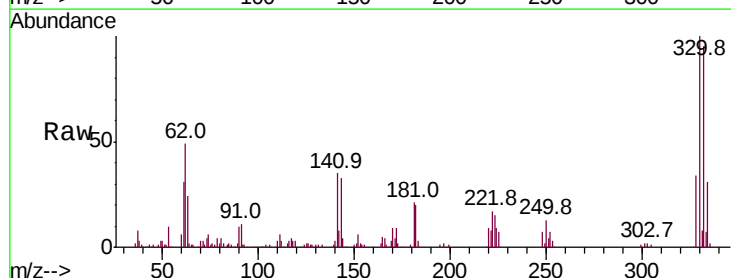


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

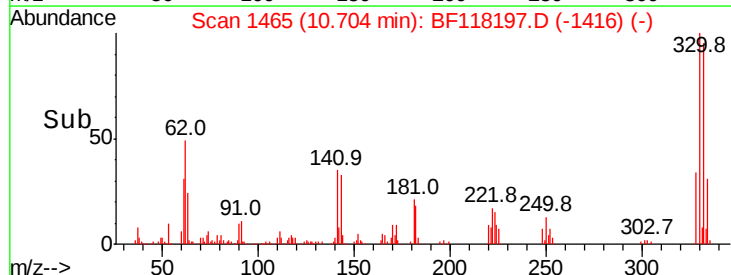
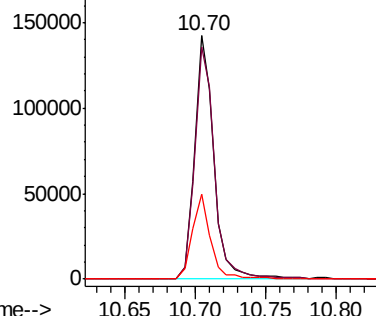


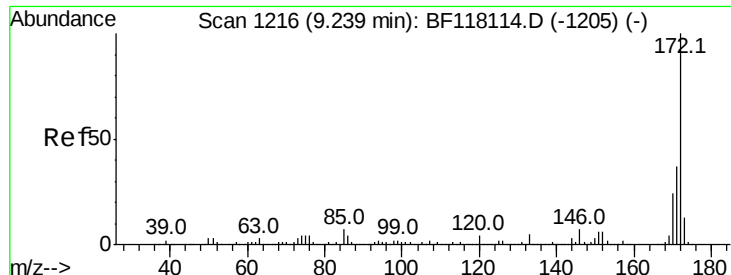
#42
2,4,6-Tribromophenol
Concen: 42.630 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.1	117.1
141	33.7	26.9	40.3



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





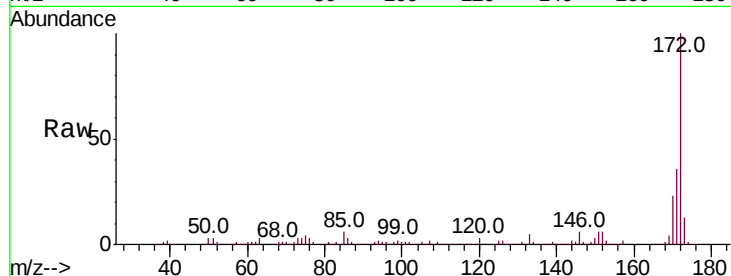
#45
2-Fluorobiphenyl
Concen: 31.418 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

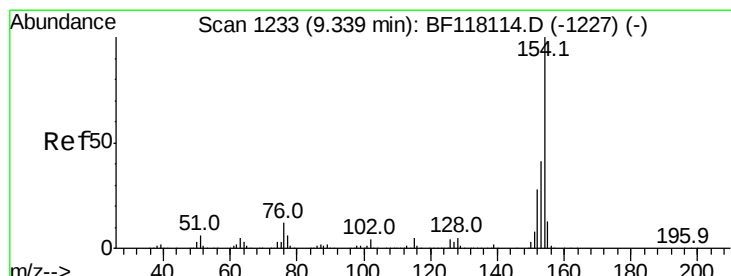
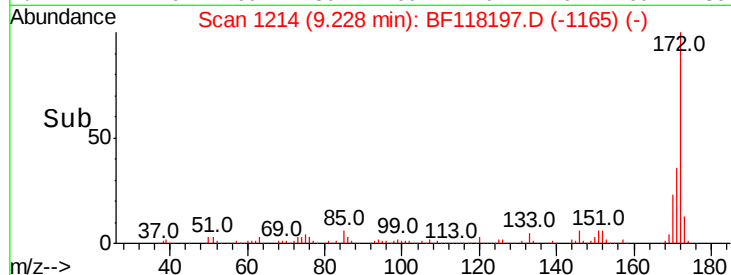
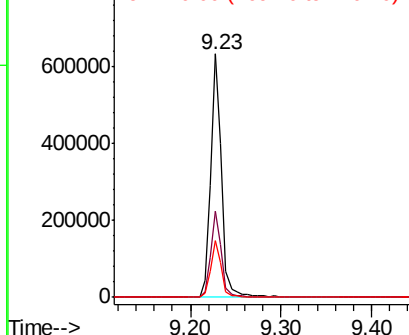
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.2	43.8	
170	23.1	19.4	29.2	

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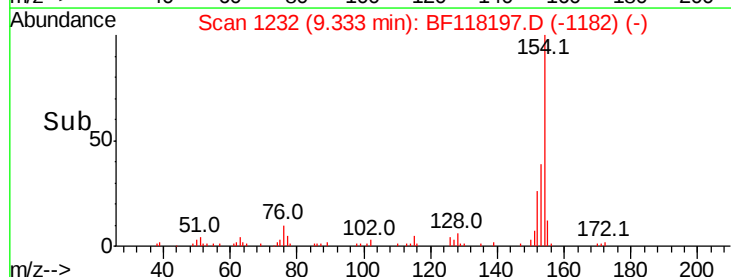
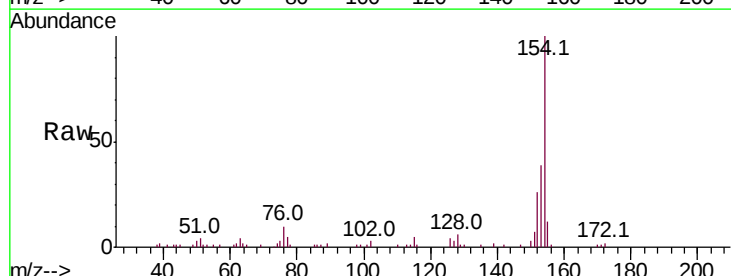
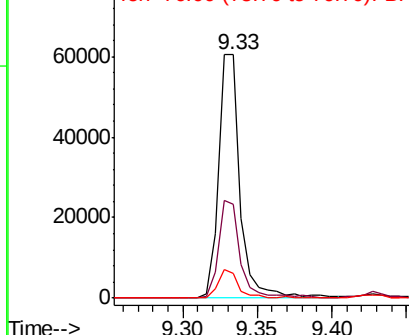
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

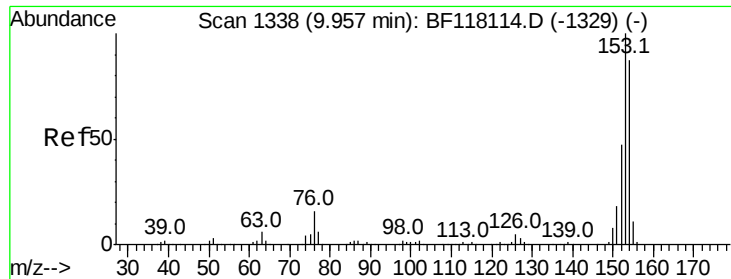


#46
1,1'-Biphenyl
Concen: 2.987 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	38.8	20.7	60.7	
76	10.2	0.0	31.9	

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#52

Acenaphthene

Concen: 18.978 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF118197.D

Acq: 13 Dec 2019 20:24

Instrument :

BNA_F

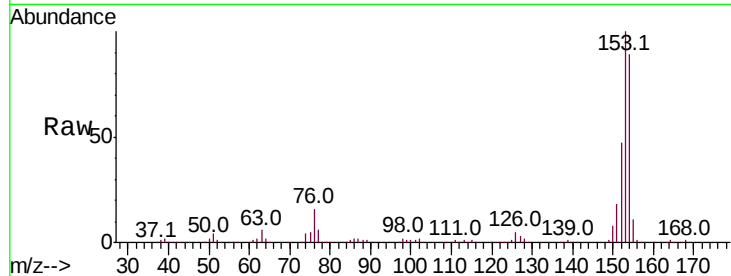
ClientSampleId :

RBR200059DL

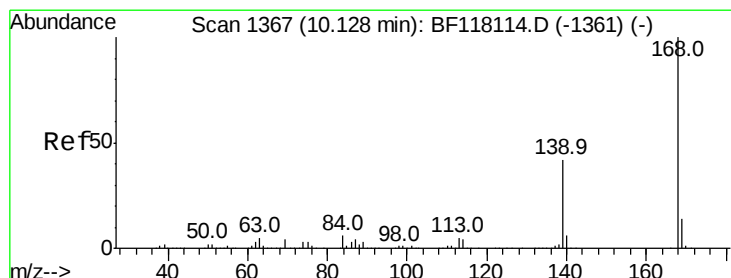
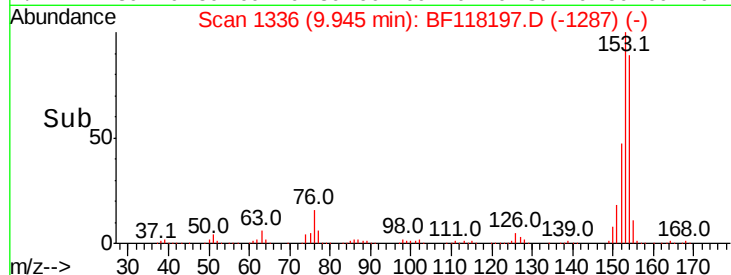
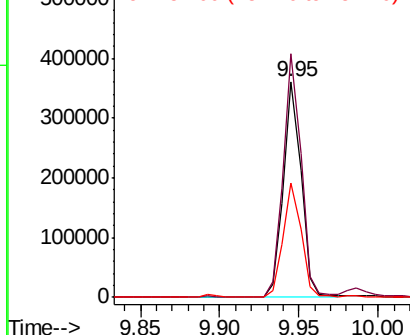
Tot Ion:	154	Resp:	282867
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.8	137.6
152	53.2	43.3	64.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 11.863 ng

RT: 10.12 min Scan# 1365

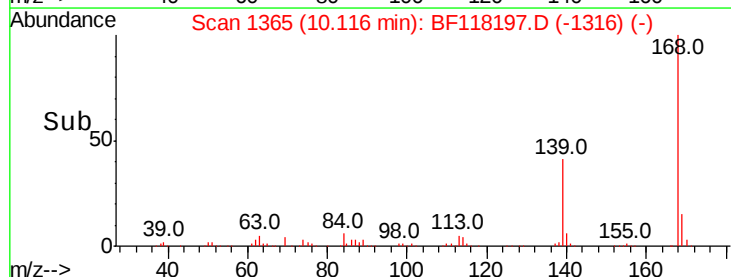
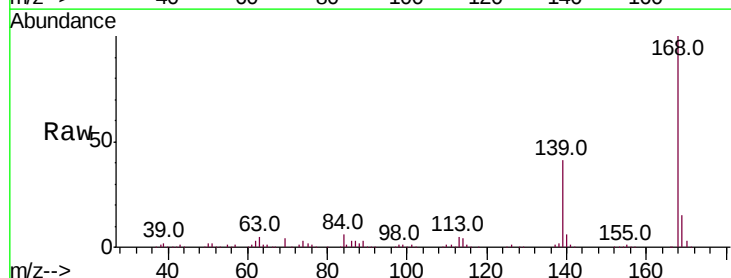
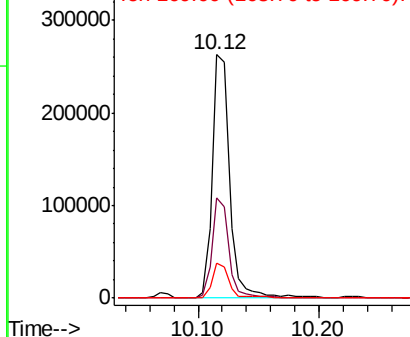
Delta R.T. -0.01 min

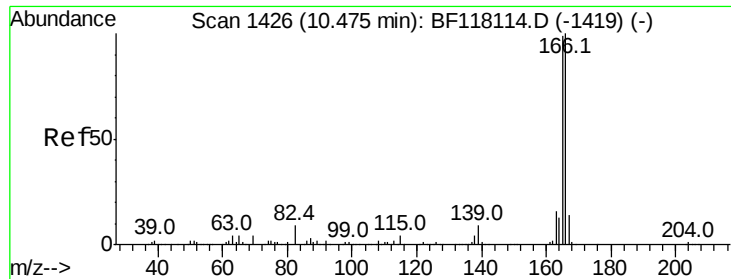
Lab File: BF118197.D

Acq: 13 Dec 2019 20:24

Tgt Ion:	168	Resp:	259096
Ion Ratio	Lower	Upper	
168	100		
139	41.3	33.4	50.0
169	14.6	11.0	16.6

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





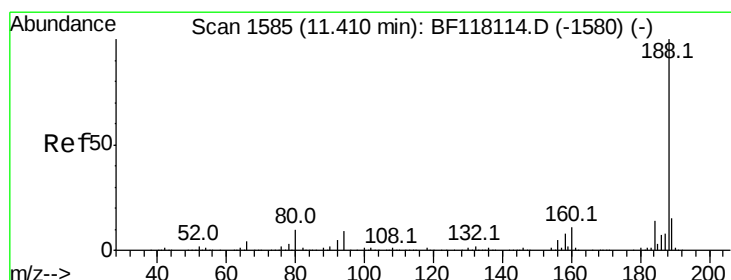
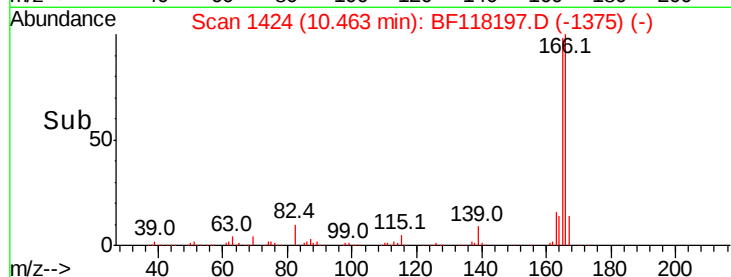
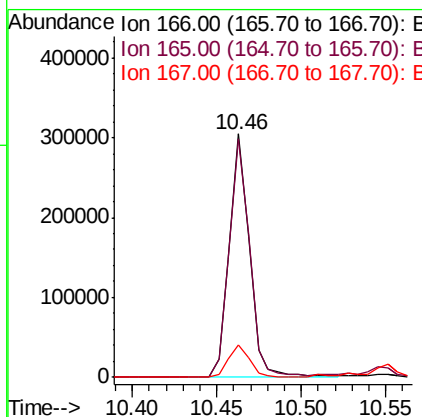
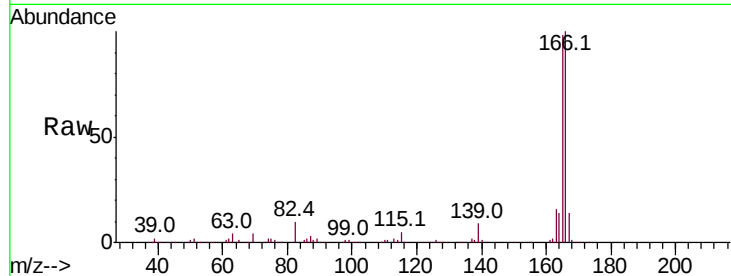
#58
 Fluorene
 Concen: 14.678 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Instrument :
 BNA_F
 ClientSampleId :
 RBR200059DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.9	79.0	118.4	
167	13.6	10.9	16.3	

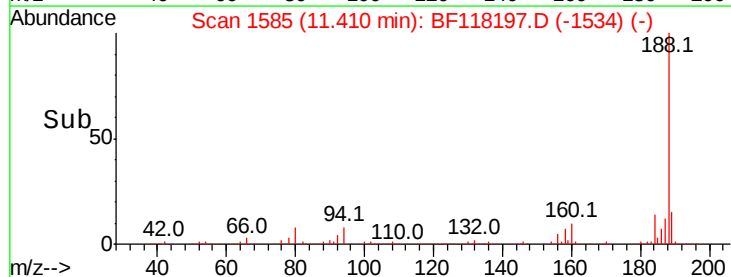
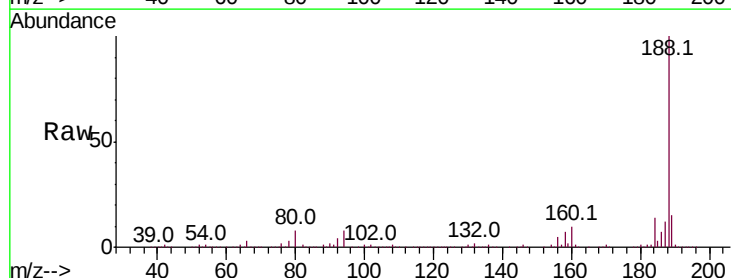
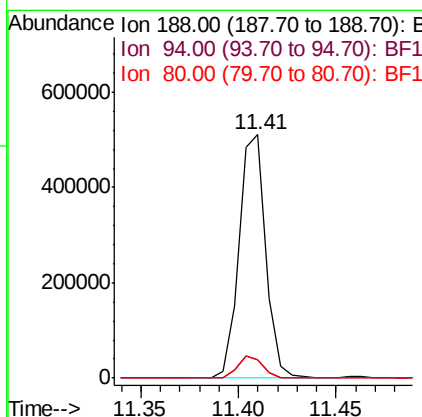
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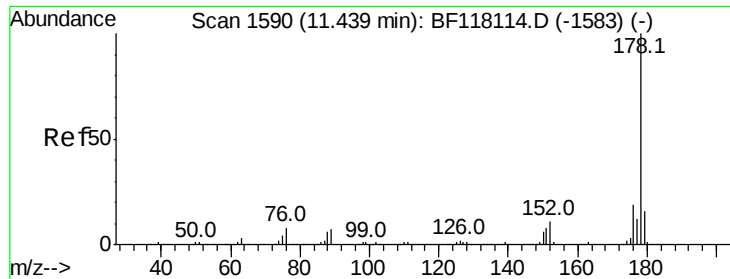
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.5	7.1	10.7	
80	7.5	7.9	11.9#	





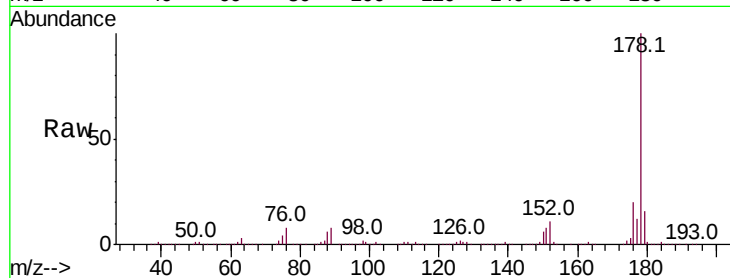
#71
Phenanthrene
Concen: 43.536 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

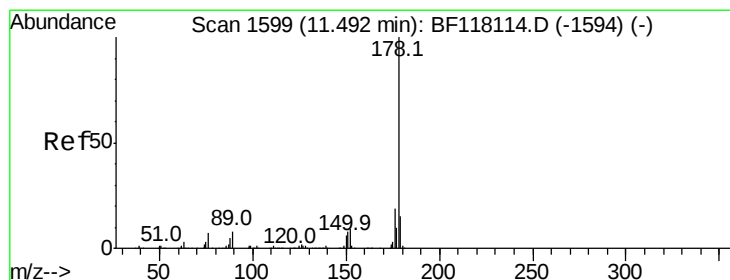
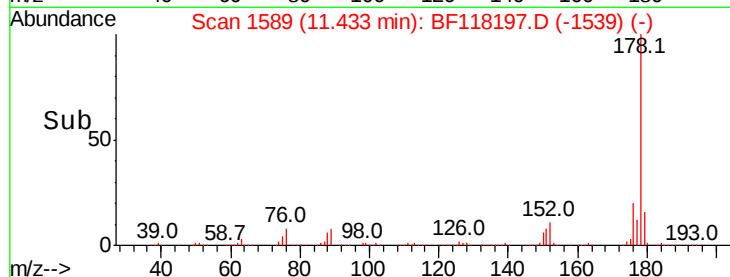
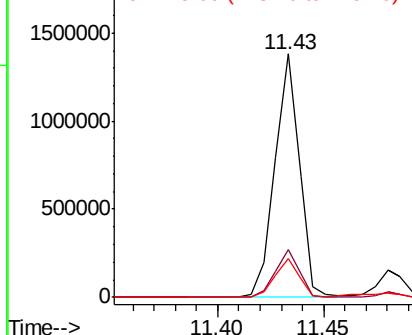
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	16.0	12.6	18.8

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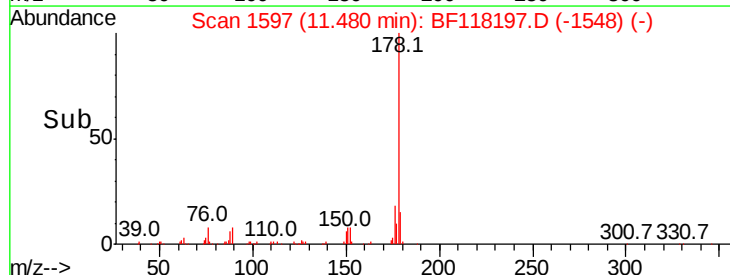
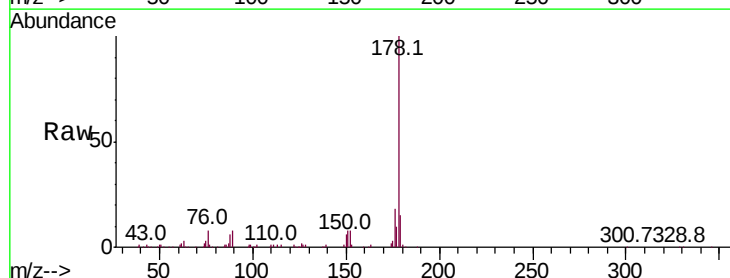
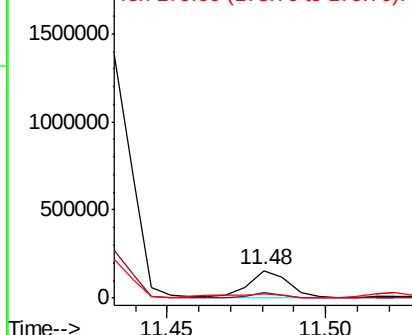
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

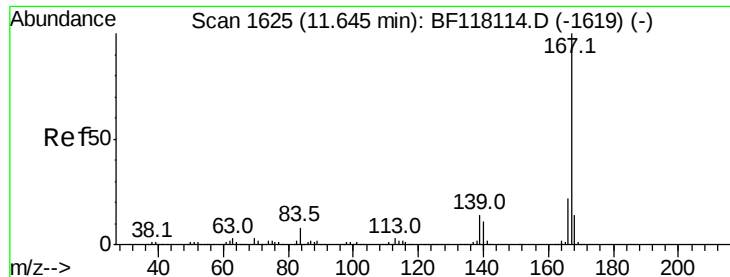


#72
Anthracene
Concen: 5.119 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.6
179	15.5	12.2	18.4

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





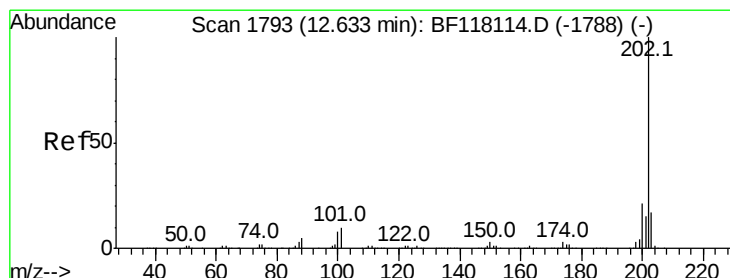
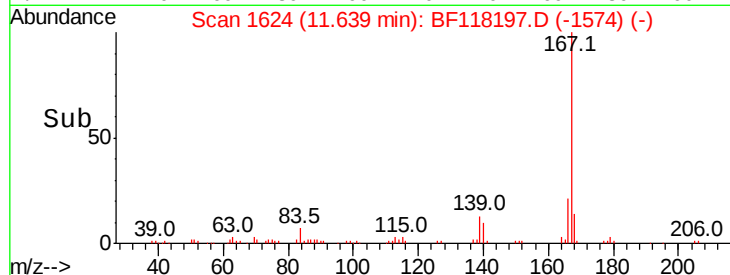
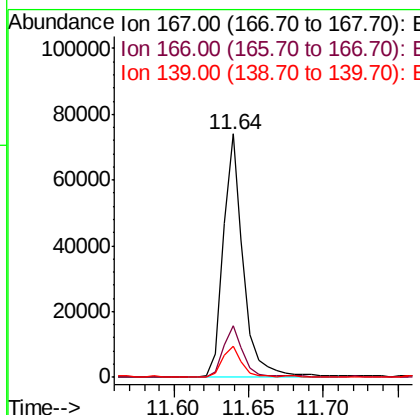
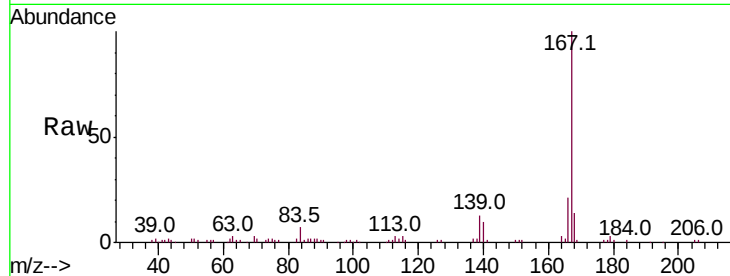
#73
 Carbazole
 Concen: 3.063 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Instrument :
 BNA_F
 ClientSampleID :
 RBR200059DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.4	26.2
139	13.0	11.4	17.0

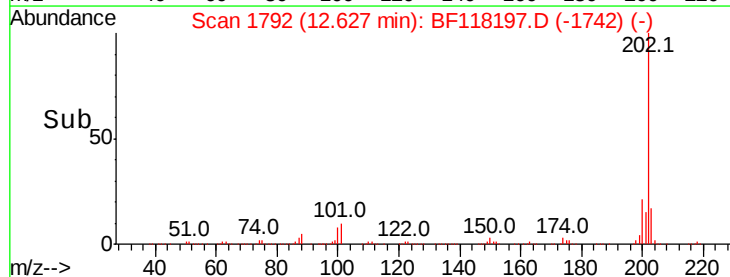
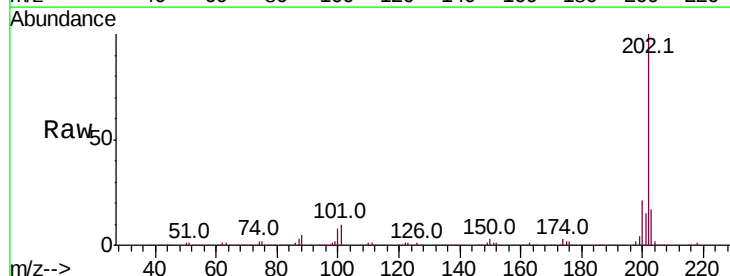
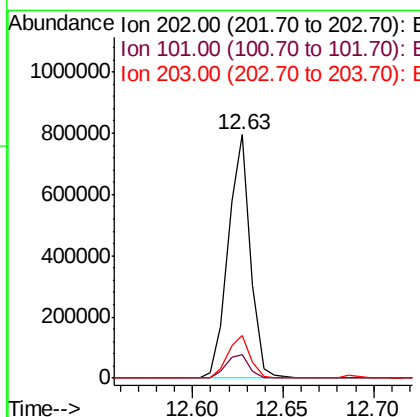
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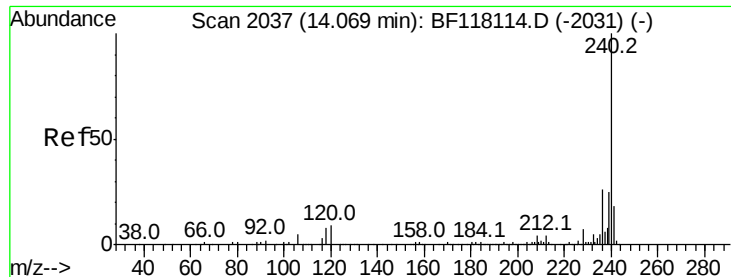
mohammad
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#75
 Fluoranthene
 Concen: 25.819 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.4
203	17.4	0.0	37.2





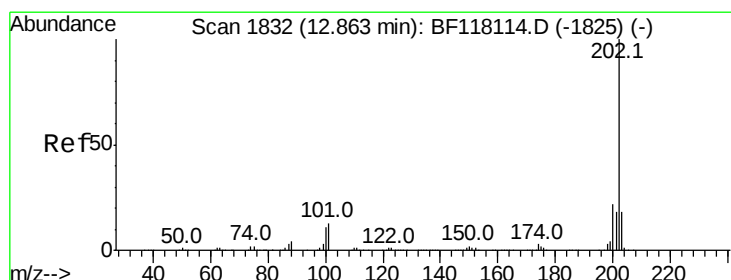
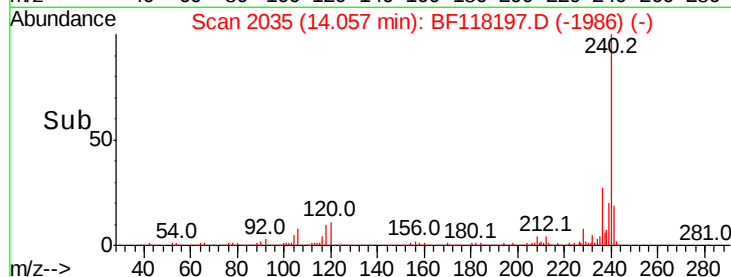
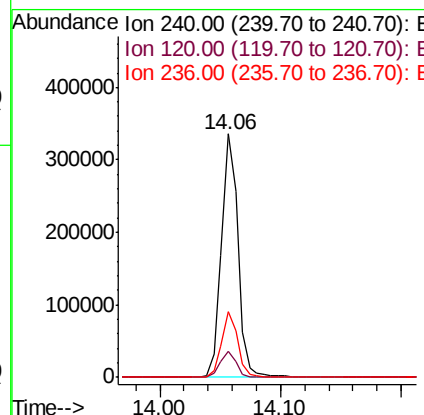
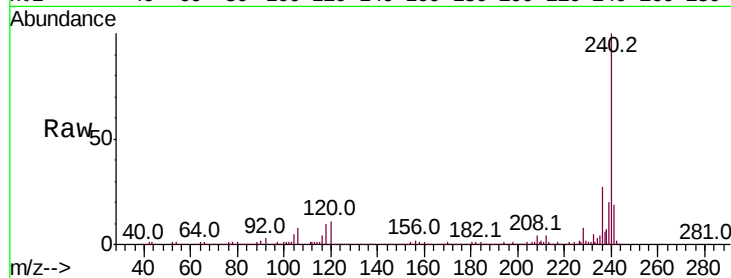
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.1	10.7#
236	26.8	21.0	31.6

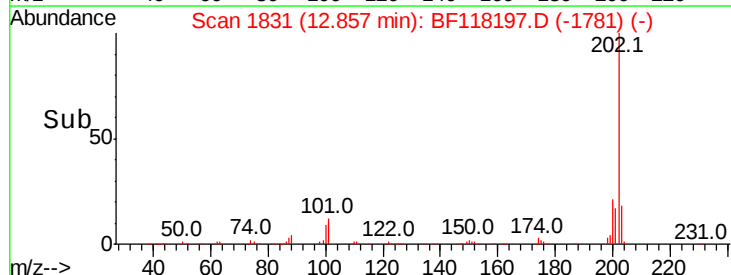
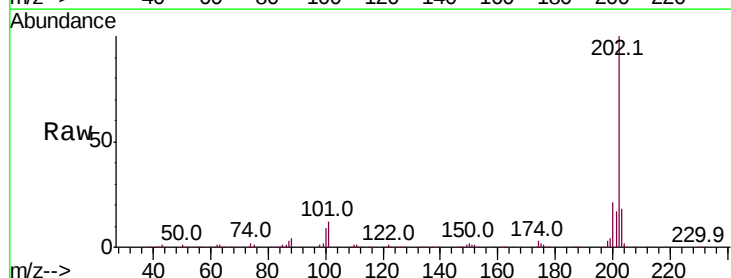
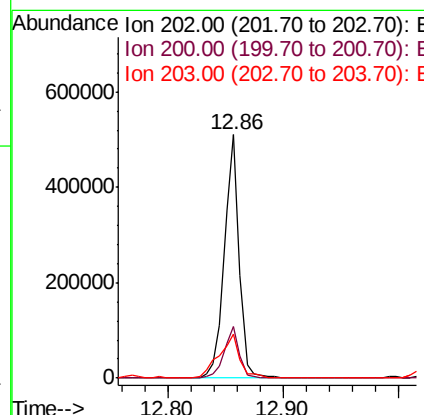
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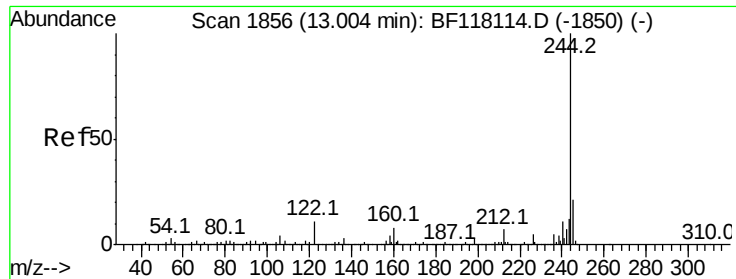
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#78
Pyrene
Concen: 18.284 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.5	26.3
203	17.8	14.6	21.8





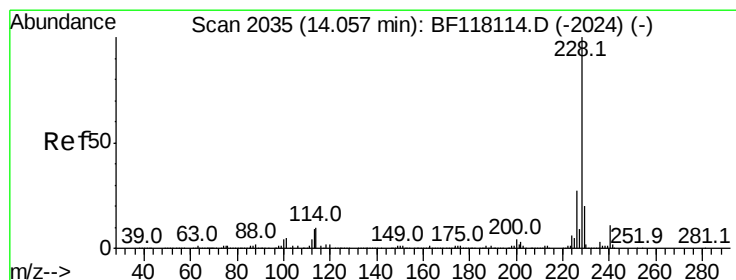
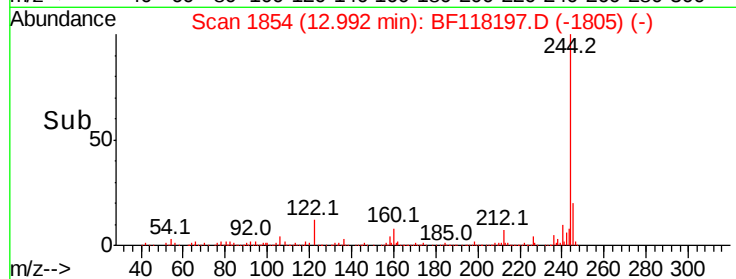
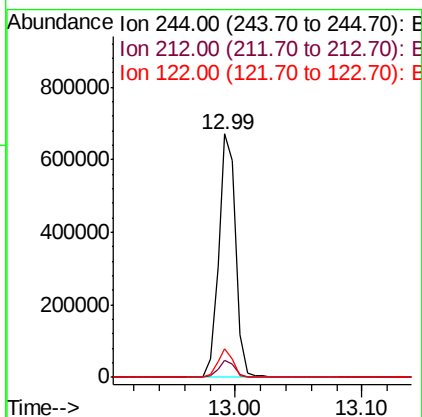
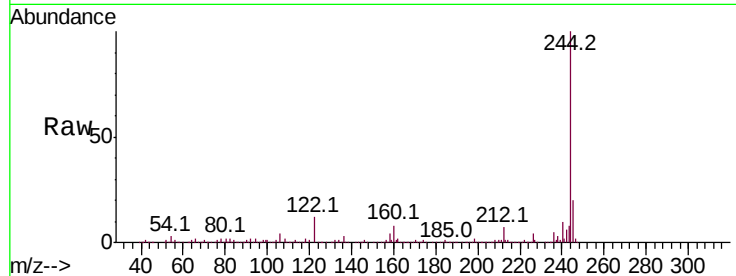
#79
 Terphenyl-d14
 Concen: 34.250 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Instrument :
 BNA_F
 ClientSampleId :
 RBR200059DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.7	9.0	13.6

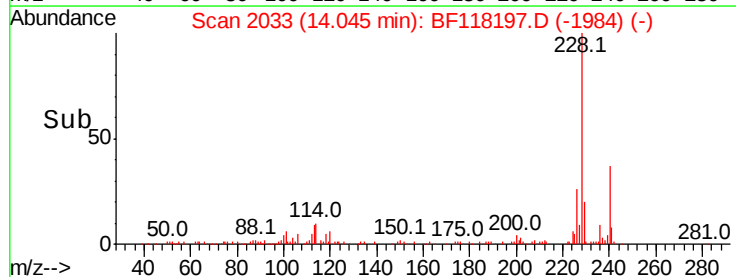
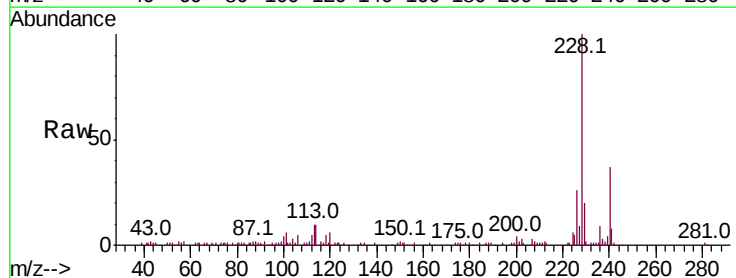
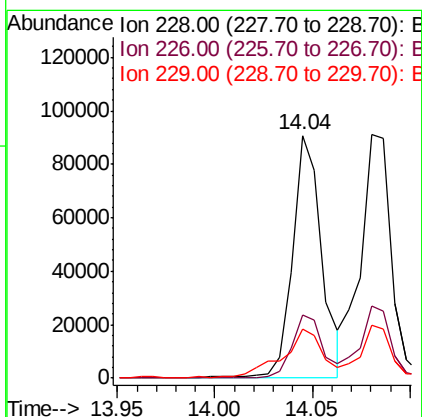
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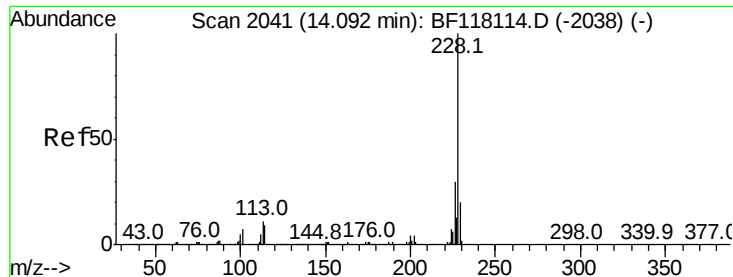
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.319 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.8	32.8
229	20.5	15.8	23.8





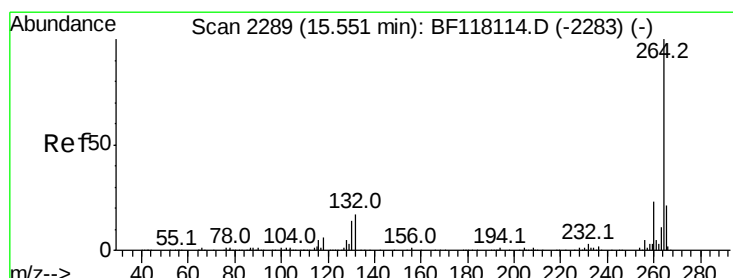
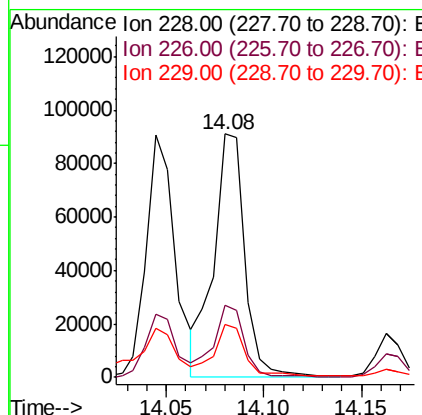
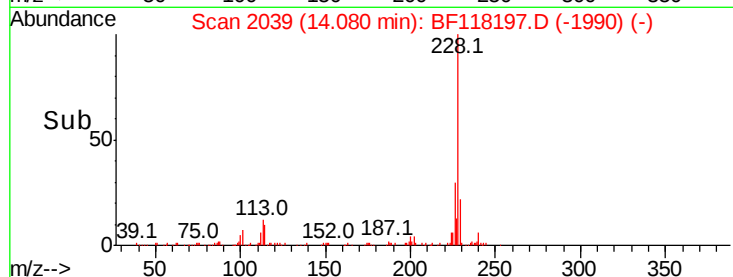
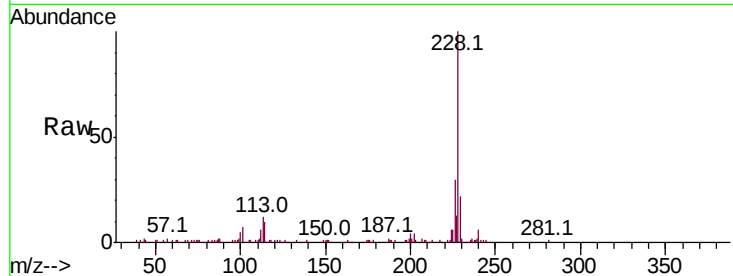
#83
Chrysene
Concen: 4.852 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Instrument :
BNA_F
ClientSampleId :
RBR200059DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	21.9	15.7	23.5

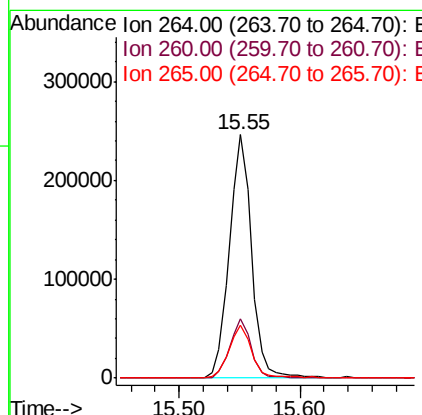
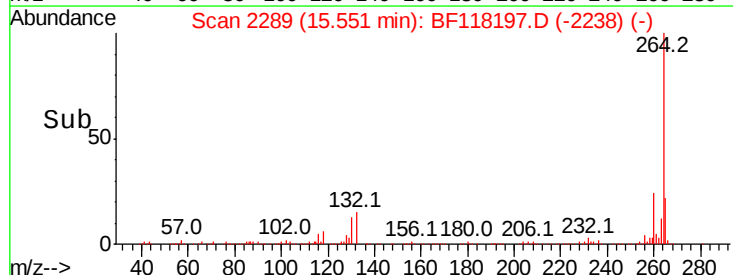
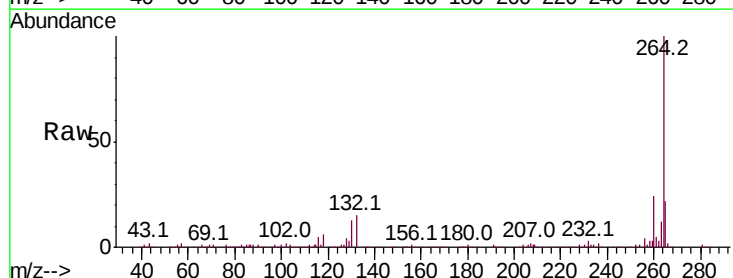
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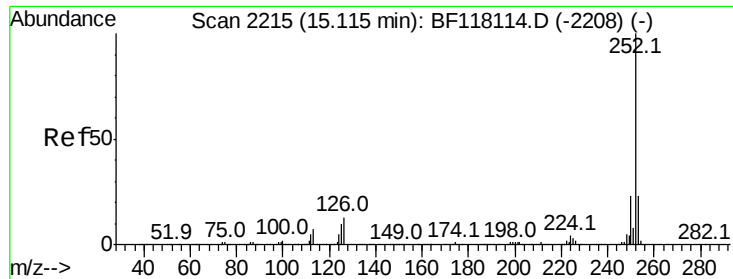
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118197.D
Acq: 13 Dec 2019 20:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	21.9	16.8	25.2





#88
 Benzo(b)fluoranthene
 Concen: 3.405 ng m
 RT: 15.11 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: BF118197.D
 Acq: 13 Dec 2019 20:24

Instrument :
 BNA_F
 ClientSampleID :
 RBR200059DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	13.0	8.3	12.5

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