

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF120719\
 Data File : BF118135.D
 Acq On : 7 Dec 2019 18:02
 Operator : JU
 Sample : K6147-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC002

Manual Integrations
 APPROVED

mohammad
 12/10/2019 11:47:42 AM

Quant Time: Dec 12 14:33:04 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	123983	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	478864	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	252801	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	421566	20.00	ng	0.00
76) Chrysene-d12	14.06	240	259294	20.00	ng	0.00
87) Perylene-d12	15.56	264	285278	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	720604	101.80	ng	0.00
7) Phenol-d6	6.50	99	909484	106.22	ng	0.00
23) Nitrobenzene-d5	7.43	82	556580	65.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	283120	92.19	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1131955	68.13	ng	0.00
79) Terphenyl-d14	13.00	244	1029432	68.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	269277	11.197	ng	99
37) 2-Methylnaphthalene	8.87	142	152594	9.372	ng	96
38) 1-Methylnaphthalene	8.97	142	82251	5.380	ng	95
46) 1,1'-Biphenyl	9.33	154	67478	3.384	ng	99
50) Dimethylphthalate	9.62	163	115505	6.186	ng	99
52) Acenaphthene	9.95	154	111711	7.737	ng	99
55) Dibenzofuran	10.12	168	158520	7.493	ng	99
58) Fluorene	10.46	166	77769	4.626	ng	97
71) Phenanthrene	11.43	178	480270	21.431	ng	99
72) Anthracene	11.48	178	102346	4.578	ng	97
75) Fluoranthene	12.62	202	310481	13.551	ng	98
78) Pyrene	12.86	202	244643	11.973	ng	98
81) Benzo(a)anthracene	14.05	228	121696	6.788	ng	92
83) Chrysene	14.09	228	130017	7.592	ng	96
84) Bis(2-ethylhexyl)phthalate	14.03	149	583760	47.840	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.06	276	52756	3.661	ng	96
88) Benzo(b)fluoranthene	15.12	252	144635m	7.666	ng	
89) Benzo(k)fluoranthene	15.14	252	44072m	2.432	ng	
90) Benzo(a)pyrene	15.49	252	90904	5.455	ng	# 93
92) Benzo(a,h,i)perylene	17.51	276	50019	3.642	ng	98

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

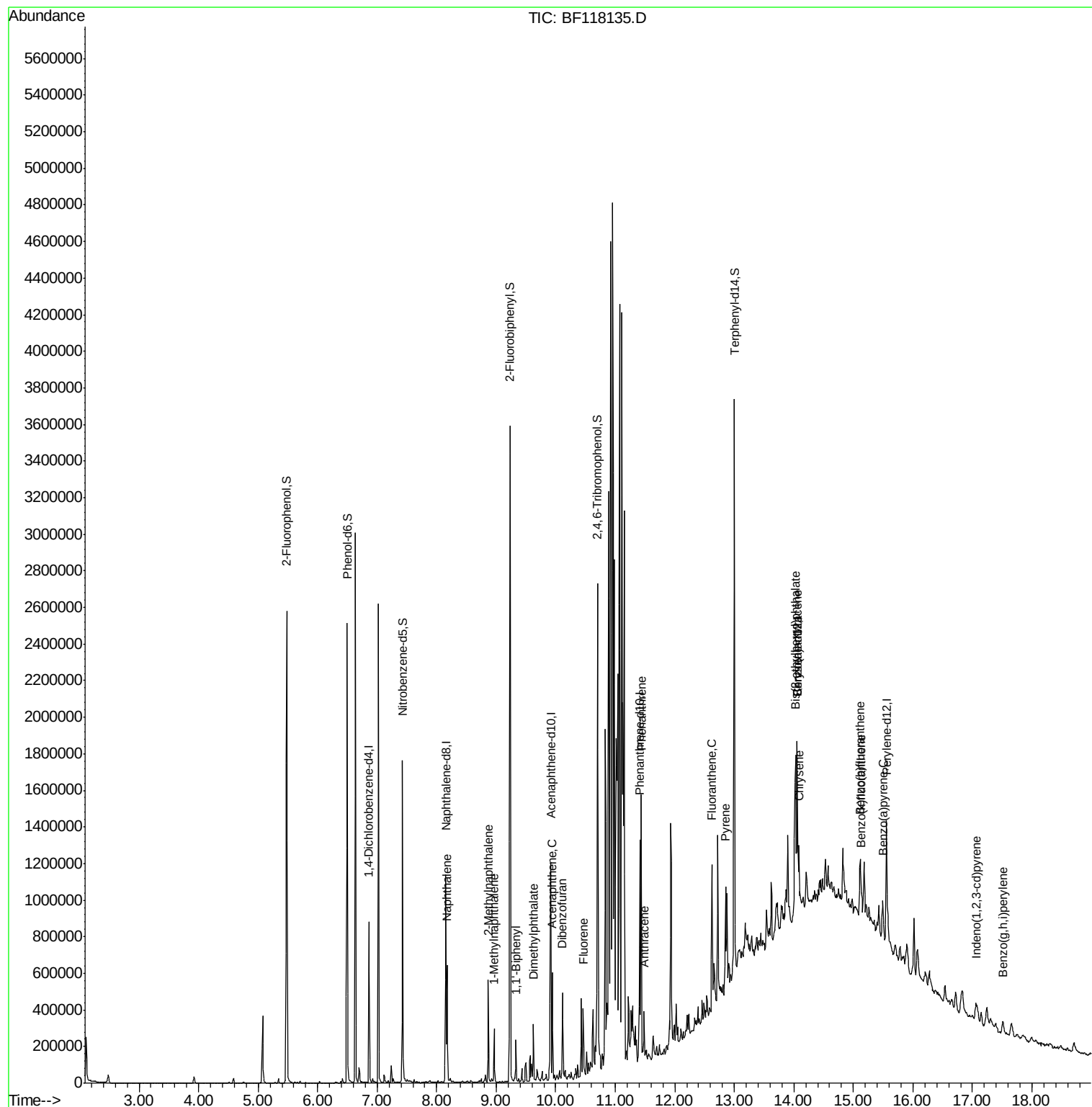
Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF120719\
Data File : BF118135.D
Acq On : 7 Dec 2019 18:02
Operator : JU
Sample : K6147-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

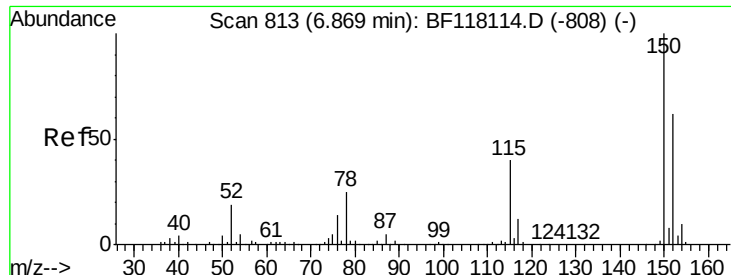
Instrument :
BNA_F
ClientSampleId :
P001-WC002

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12/10/2019 11:47:42 AM

Quant Time: Dec 12 14:33:04 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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#1

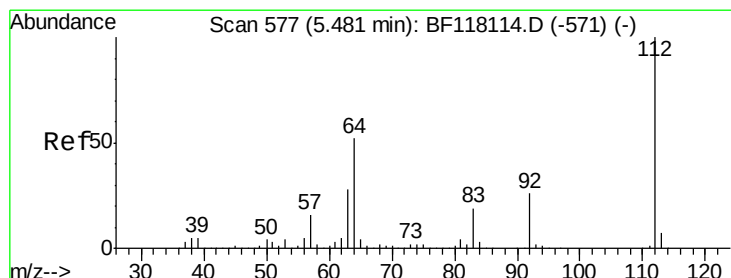
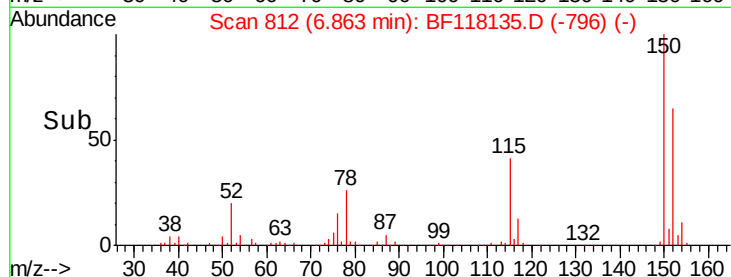
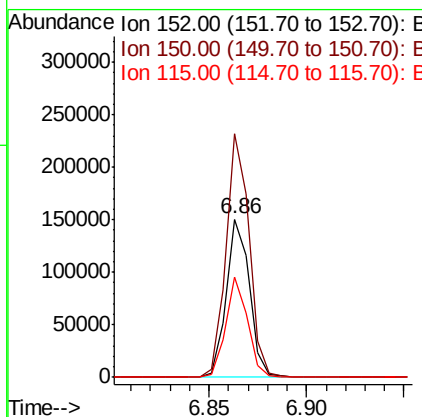
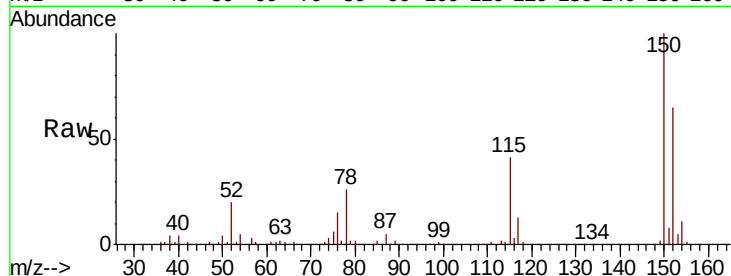
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	128.3	192.5
115	63.3	51.1	76.7

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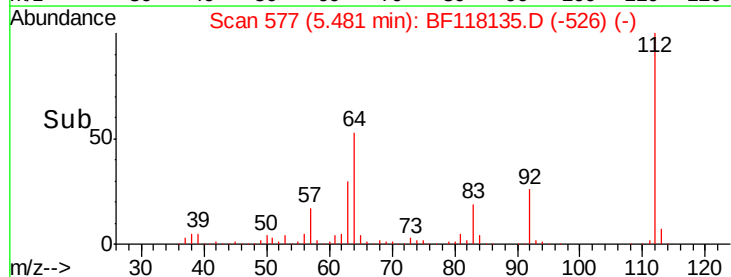
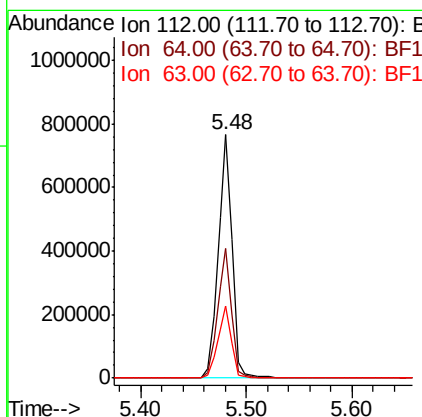
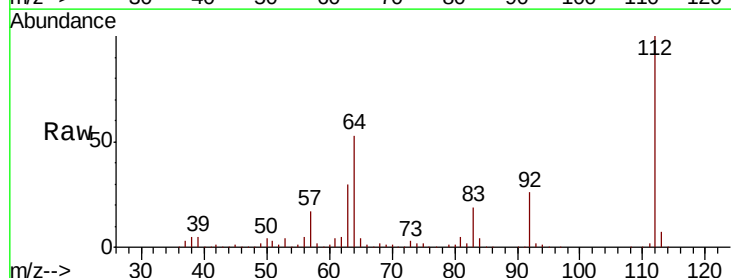
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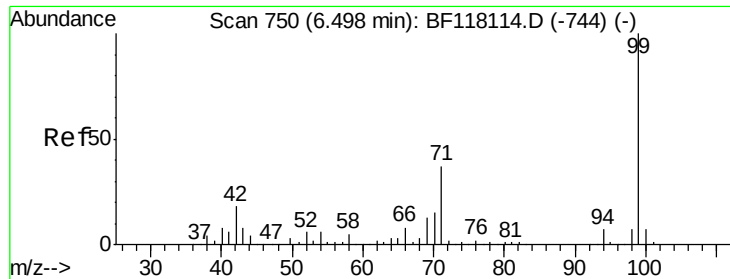


#5

2-Fluorophenol
Concen: 101.797 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.3	61.9
63	29.5	22.4	33.6





#7

Phenol-d6

Concen: 106.223 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118135.D

Acq: 7 Dec 2019 18:02

Instrument :

BNA_F

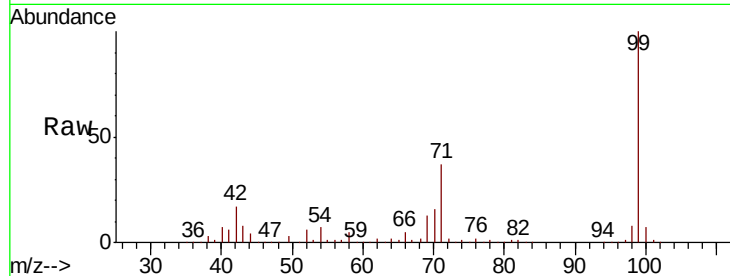
ClientSampleId :

P001-WC002

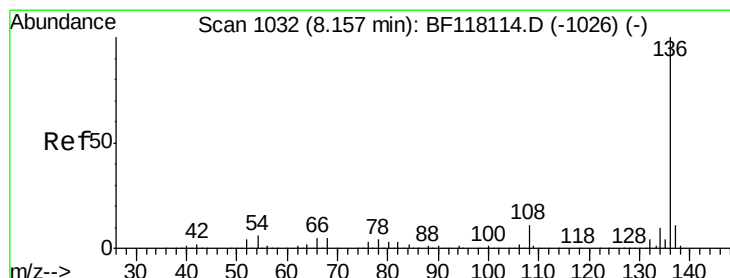
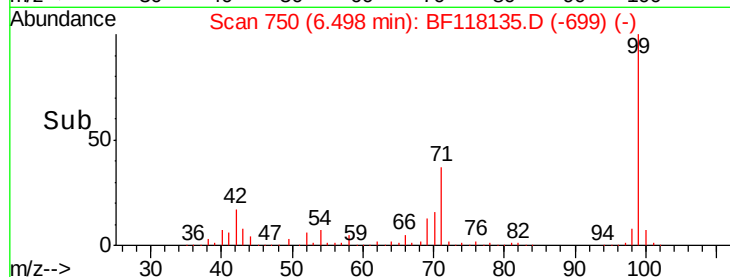
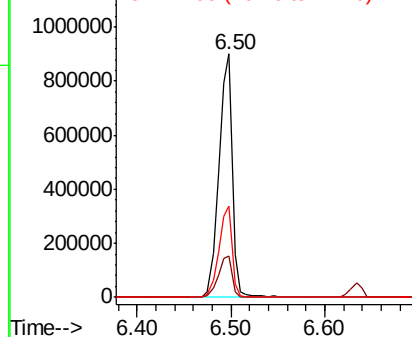
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	909484		
42	42	16.9		14.1	21.1
71	71	37.4		29.7	44.5

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

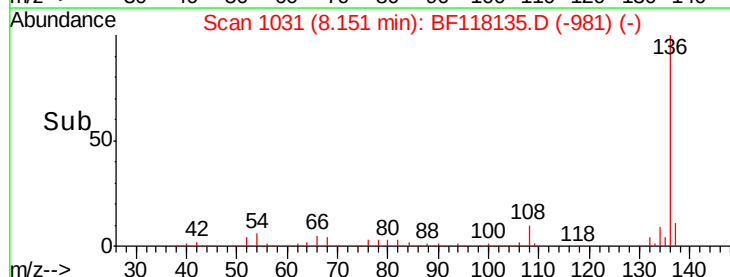
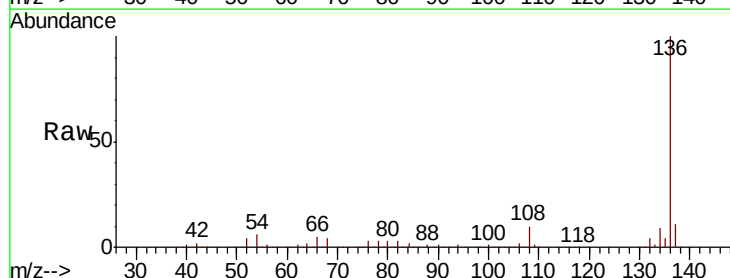
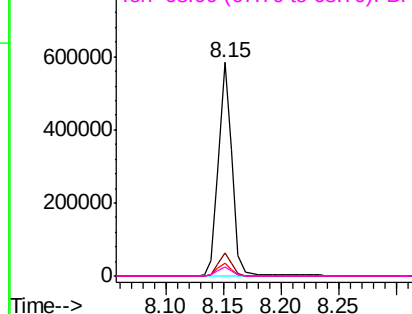
Delta R.T. -0.01 min

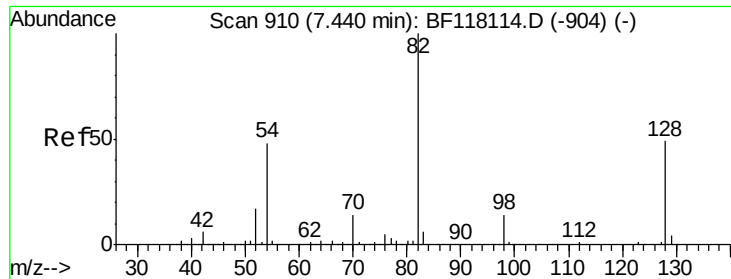
Lab File: BF118135.D

Acq: 7 Dec 2019 18:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	478864		
137	137	10.8		9.0	13.6
54	54	6.0		5.0	7.6
68	68	4.5		3.8	5.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





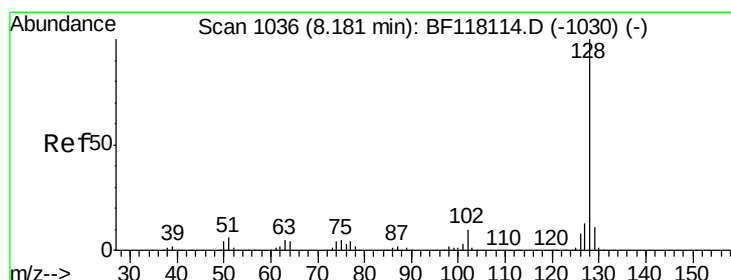
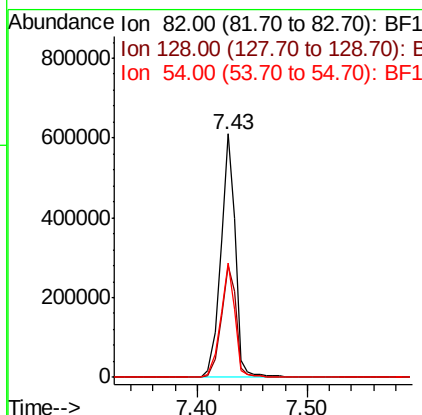
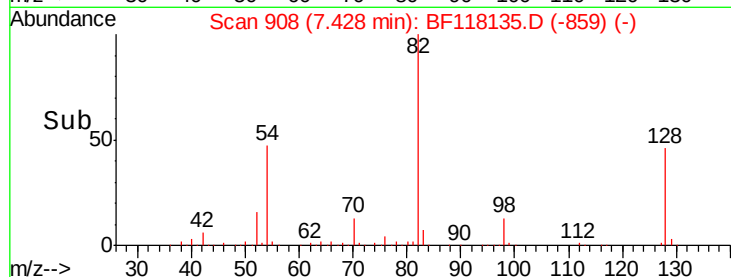
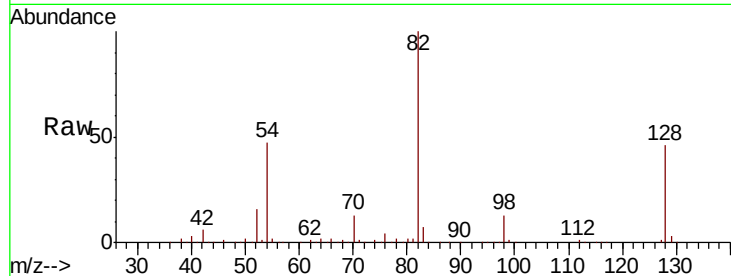
#23
Nitrobenzene-d5
Concen: 65.388 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	39.1	58.7
54	46.9	38.2	57.2

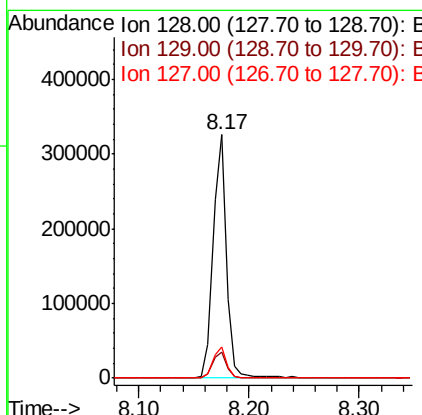
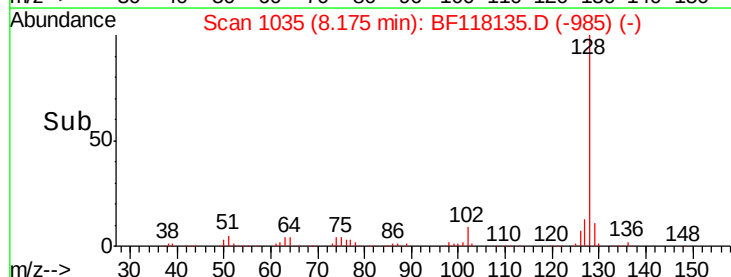
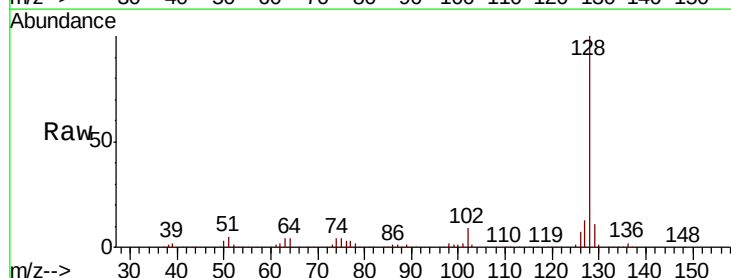
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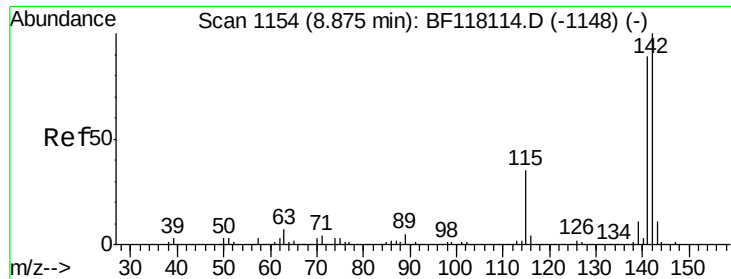
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#31
Naphthalene
Concen: 11.197 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.1	13.7
127	13.0	10.6	16.0





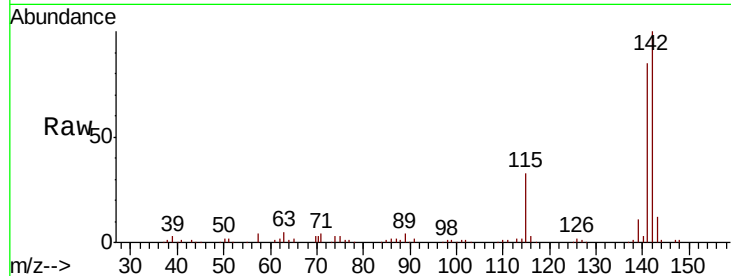
#37
2-Methylnaphthalene
Concen: 9.372 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.1	71.4	107.0
115	33.0	28.2	42.4

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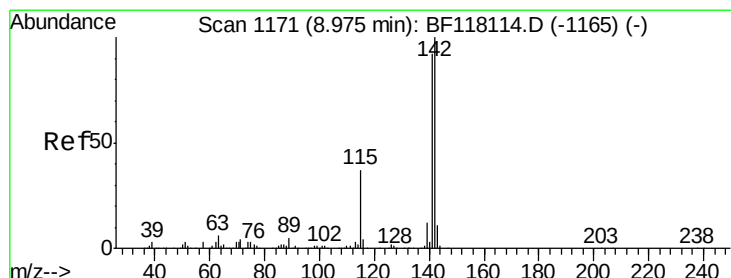
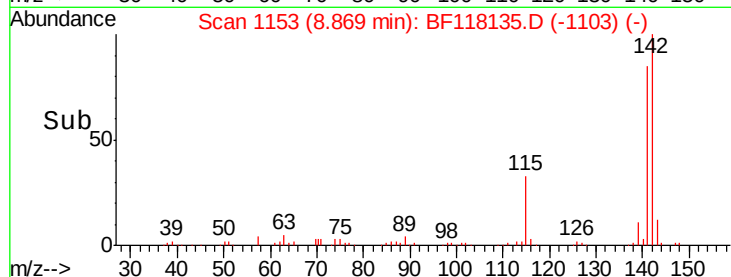
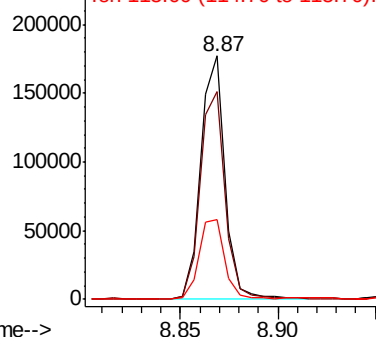


Abundance

Ion 142.00 (141.70 to 142.70): E

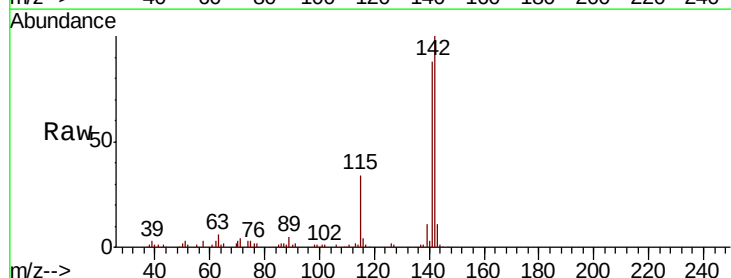
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 5.380 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	74.0	111.0
116	4.0	3.2	4.8

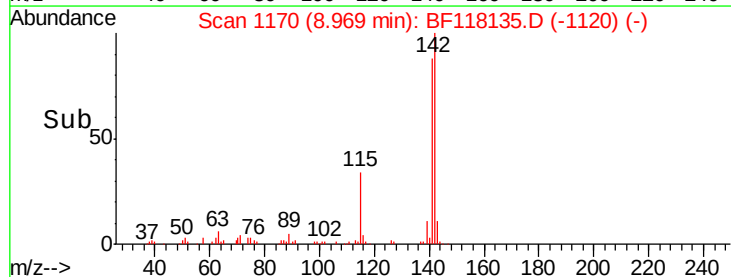
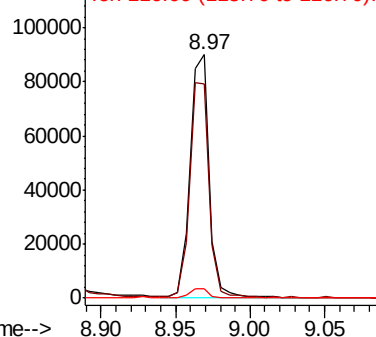


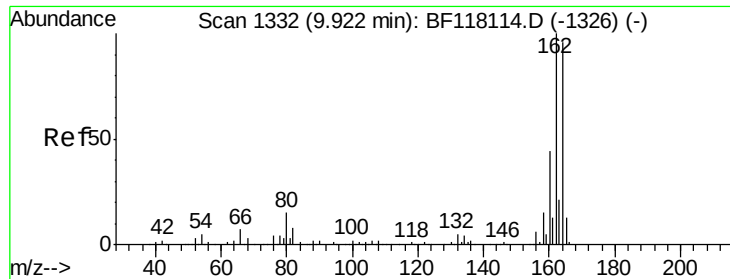
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





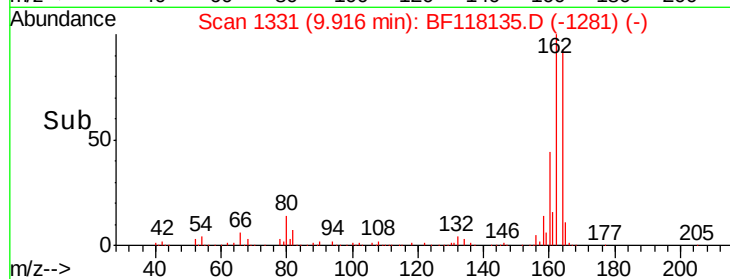
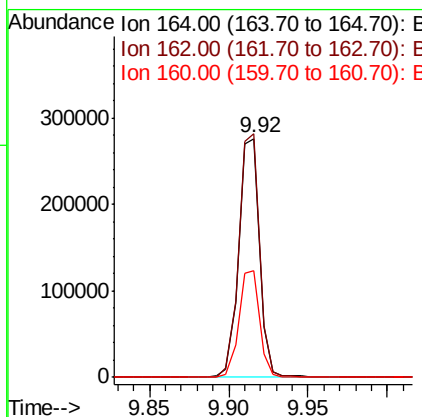
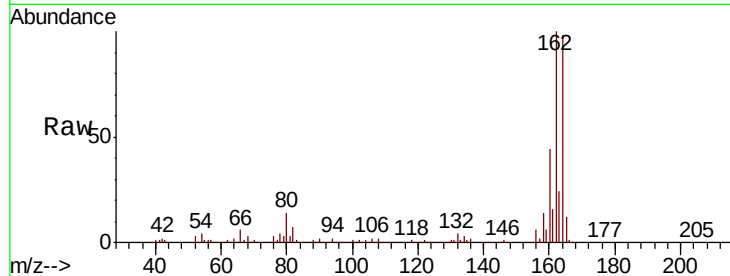
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	83.4	125.0	
160	44.7	36.6	54.8	

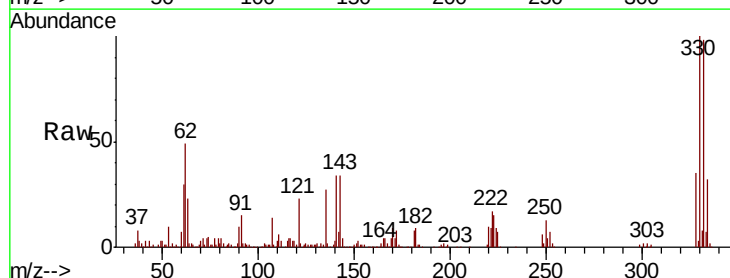
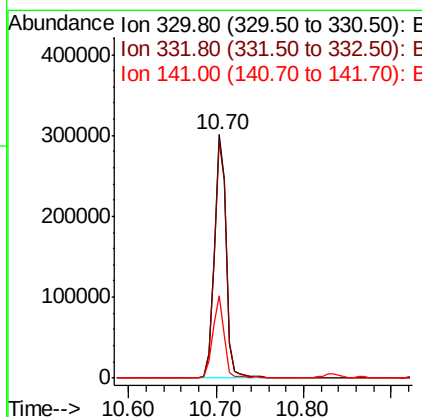
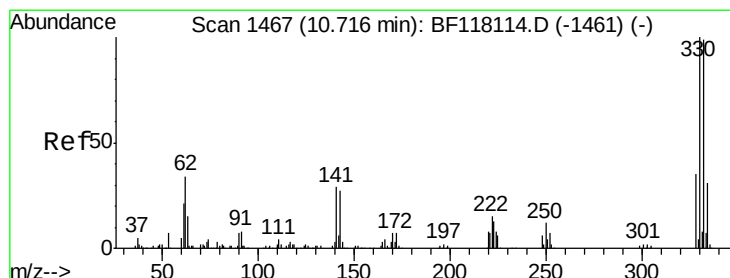
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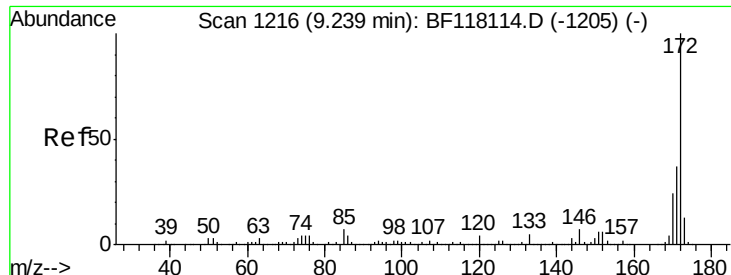
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#42
2,4,6-Tribromophenol
Concen: 92.189 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	78.1	117.1	
141	33.9	26.9	40.3	





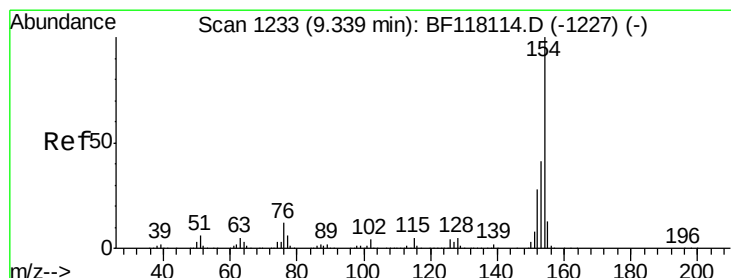
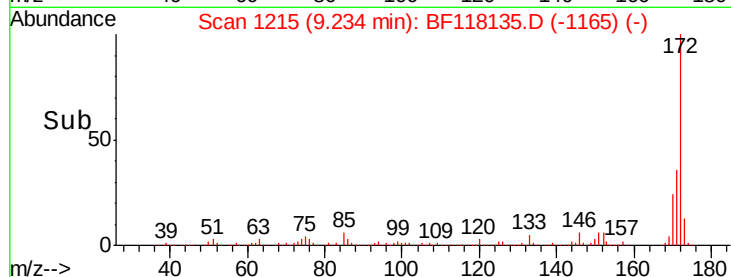
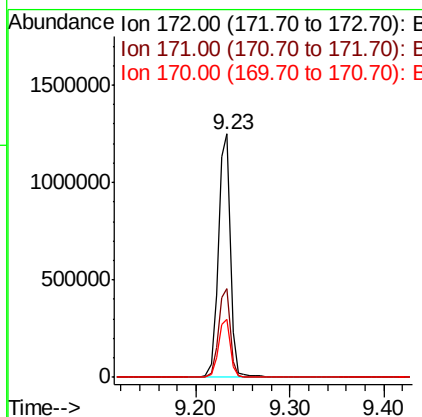
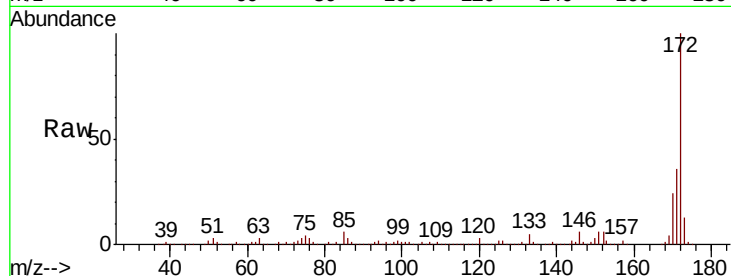
#45
2-Fluorobiphenyl
Concen: 68.134 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	24.0	19.4	29.2

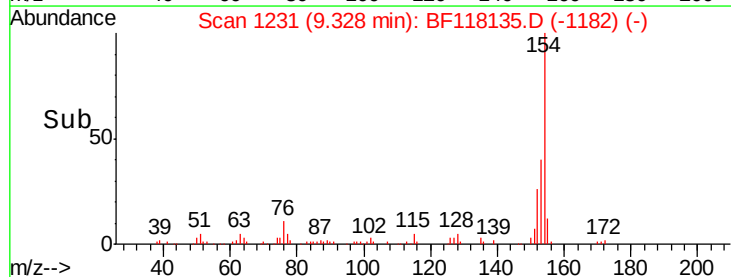
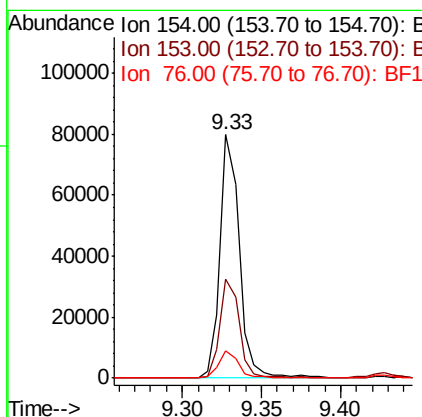
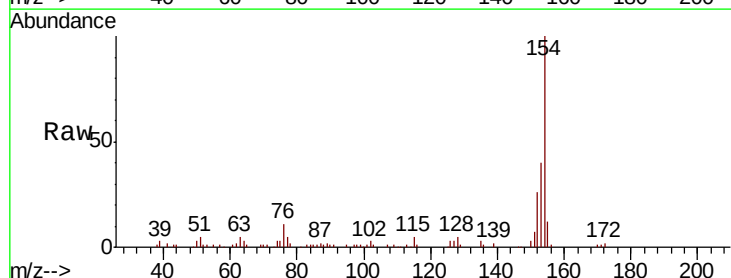
Manual Integrations
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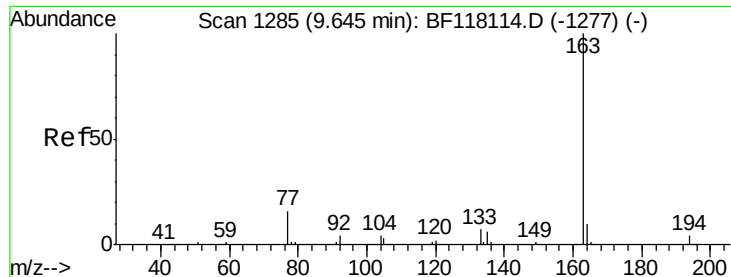
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#46
1,1'-Biphenyl
Concen: 3.384 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.7	60.7
76	11.0	0.0	31.9





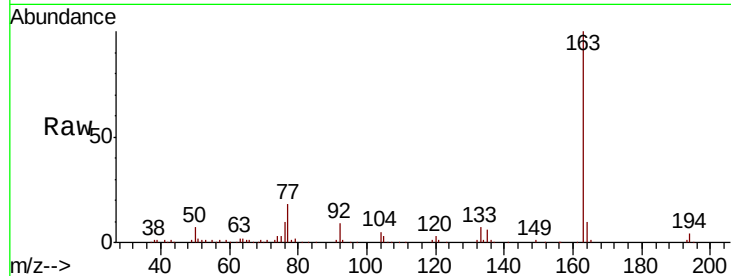
#50
Dimethylphthalate
Concen: 6.186 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Resp	Lower	Upper
163	100	115505		
194	3.6		3.1	4.7
164	9.9		7.7	11.5

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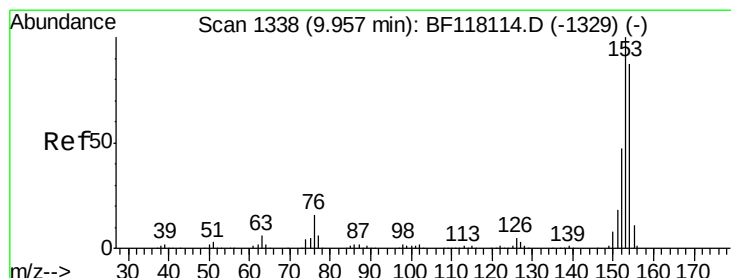
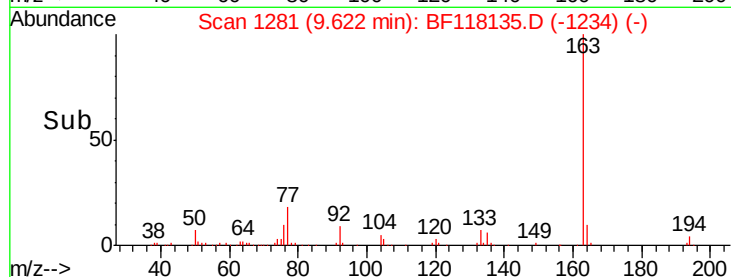
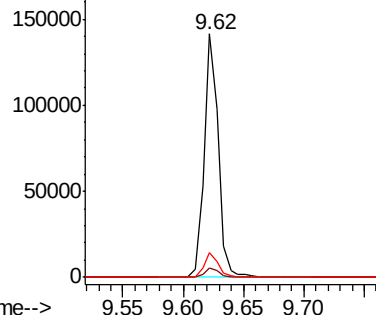


Abundance

Ion 163.00 (162.70 to 163.70): E

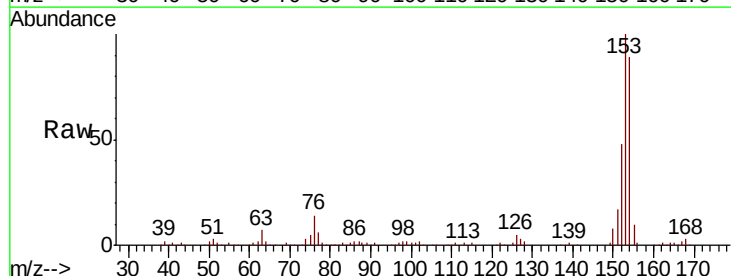
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 7.737 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	111711		
153	113.0		91.8	137.6
152	54.5		43.3	64.9

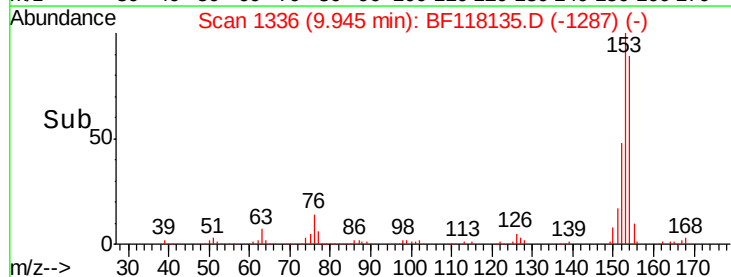
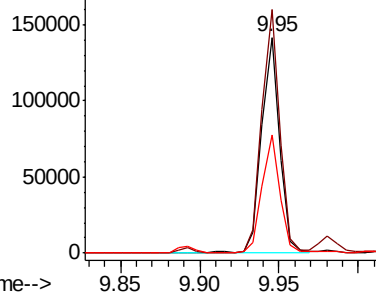


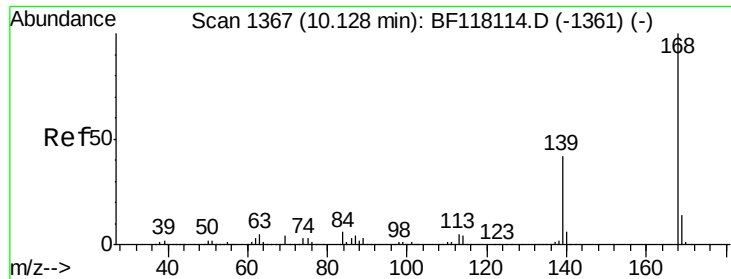
Abundance

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





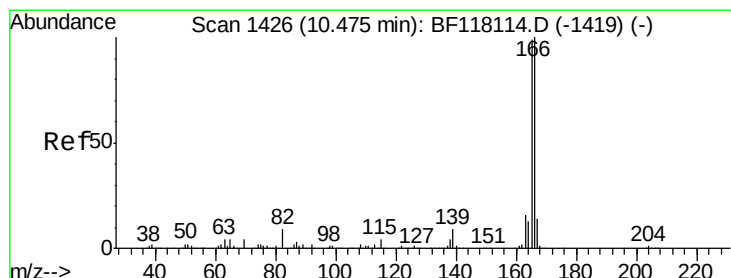
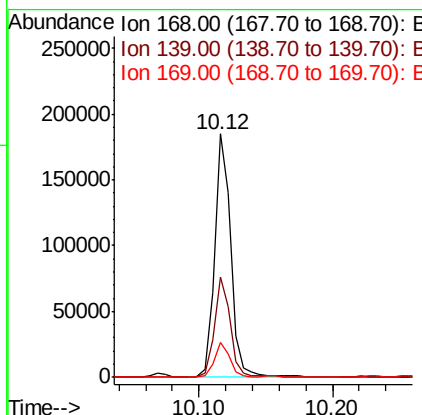
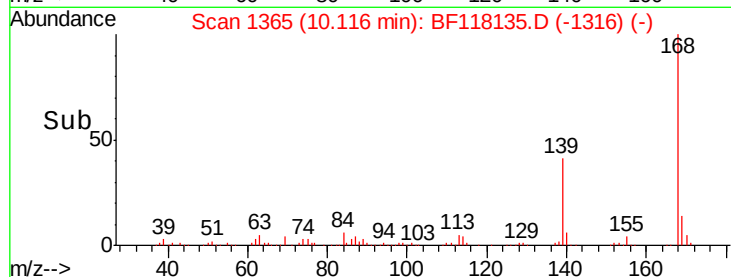
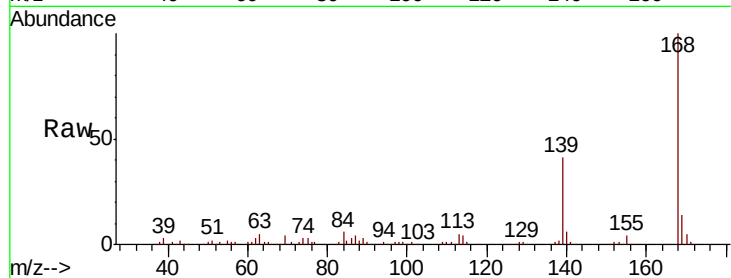
#55
Dibenzenofuran
Concen: 7.493 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.3	33.4	50.0
169	14.3	11.0	16.6

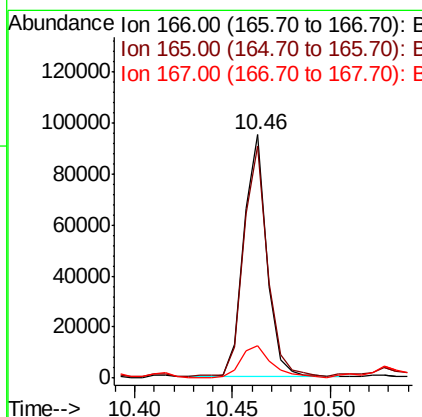
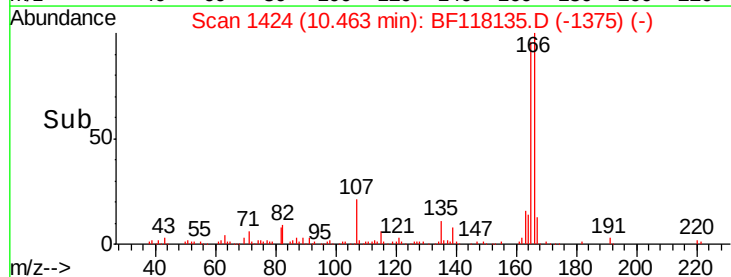
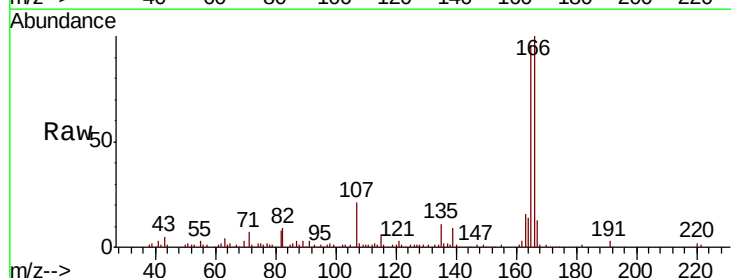
Manual Integrations
APPROVED

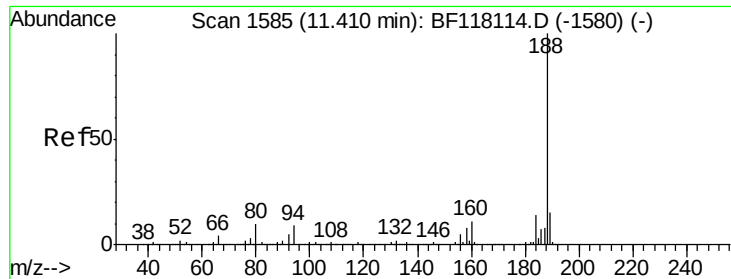
mohammad
12/10/2019 11:47:42 AM



#58
Fluorene
Concen: 4.626 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.0	118.4
167	13.5	10.9	16.3





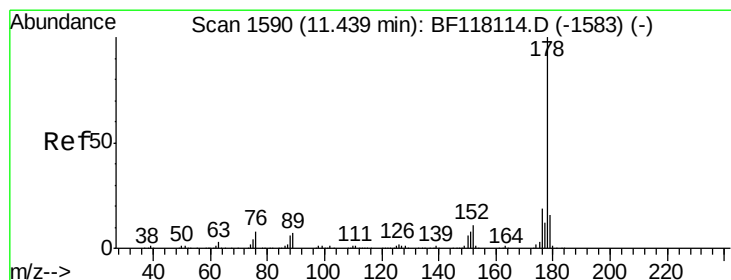
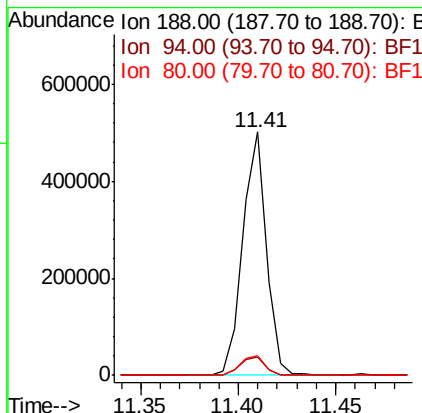
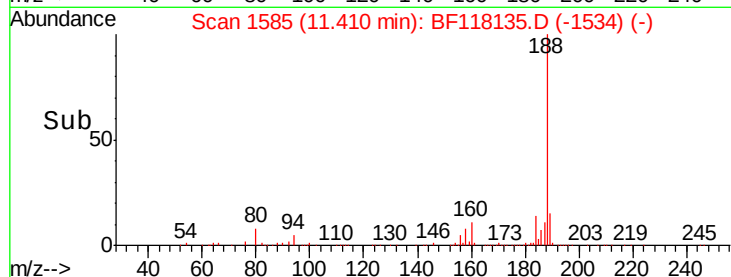
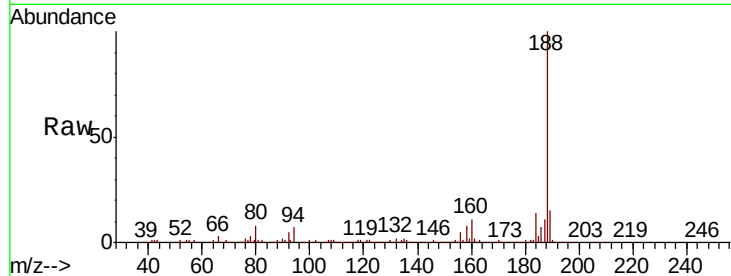
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.5	7.1	10.7
80	8.2	7.9	11.9

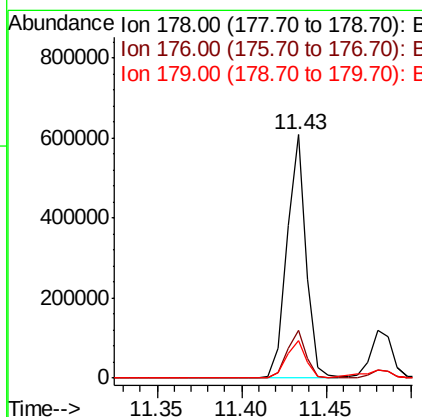
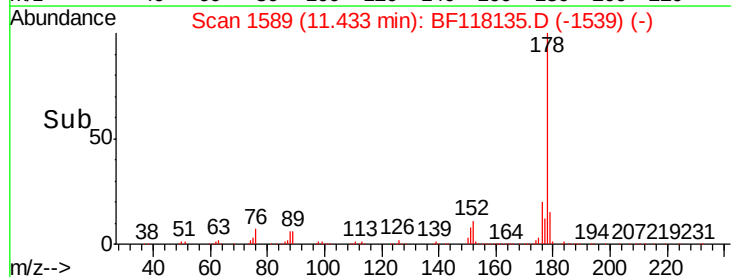
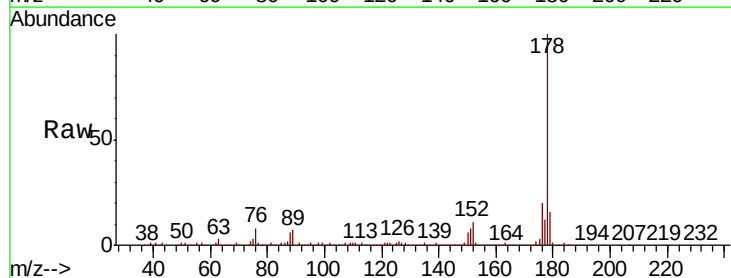
Manual Integrations
APPROVED

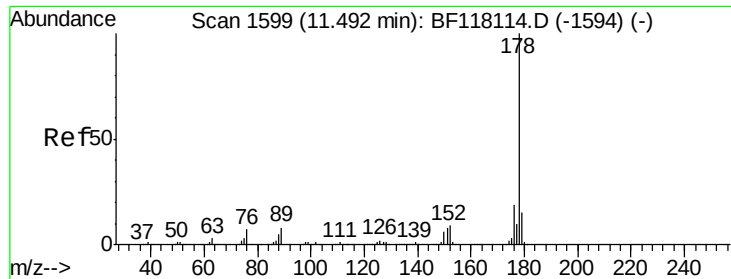
mohammad
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#71
Phenanthrene
Concen: 21.431 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

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





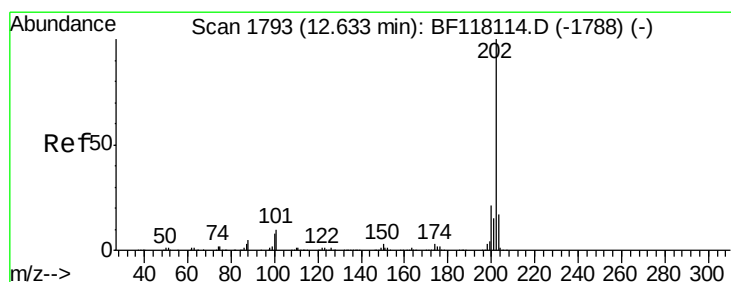
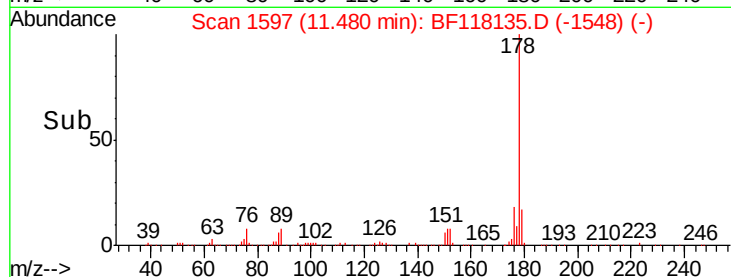
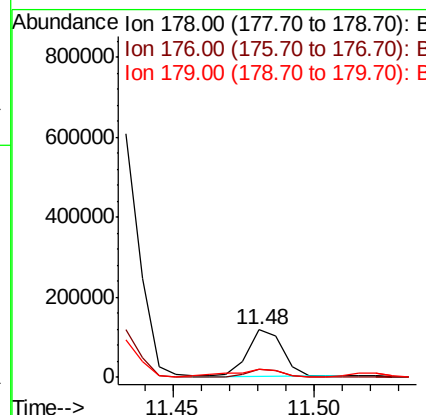
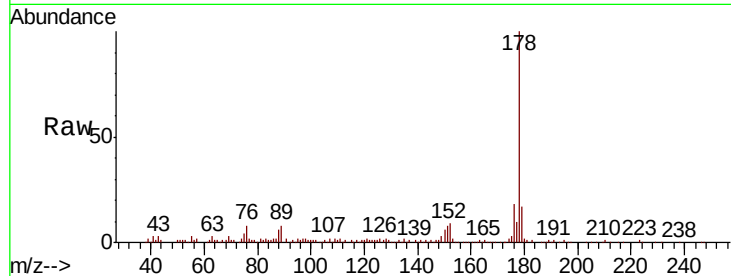
#72
 Anthracene
 Concen: 4.578 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF118135.D
 Acq: 7 Dec 2019 18:02

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC002

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.6
179	17.1	12.2	18.4

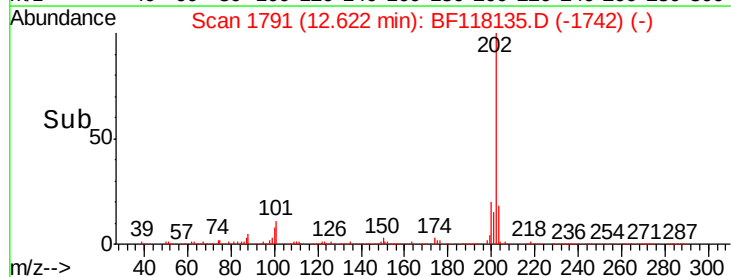
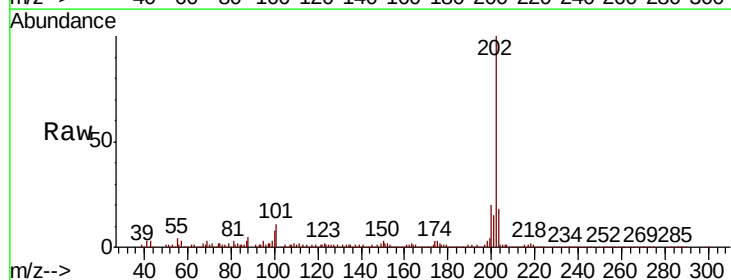
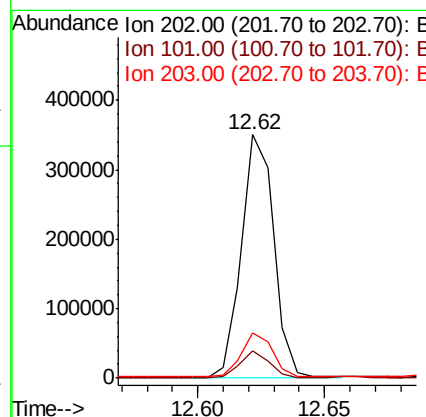
Manual Integrations
 APPROVED

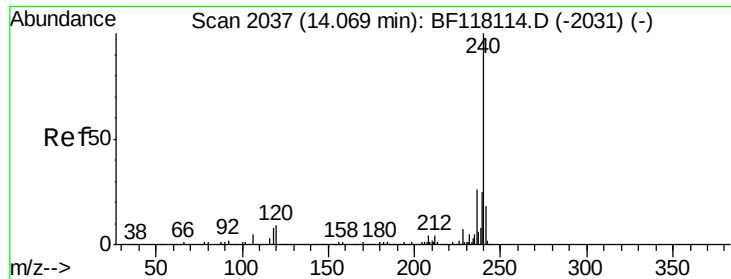
mohammad
 12/10/2019 11:47:42 AM



#75
 Fluoranthene
 Concen: 13.551 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF118135.D
 Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.4
203	18.4	0.0	37.2





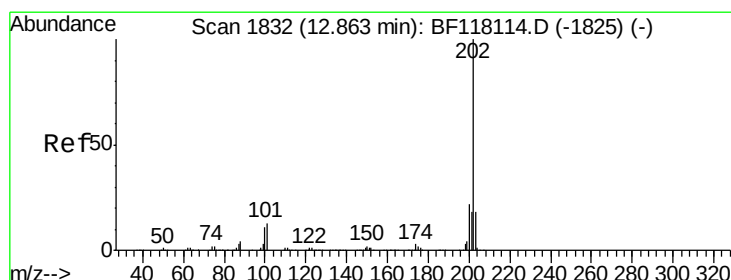
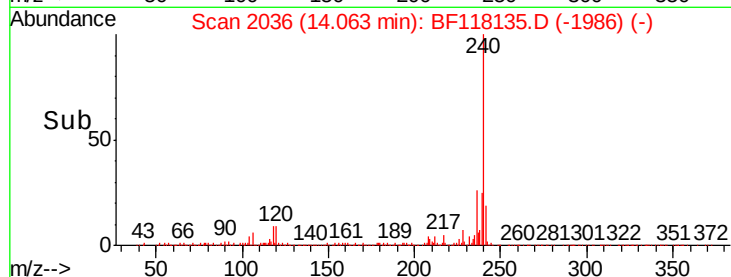
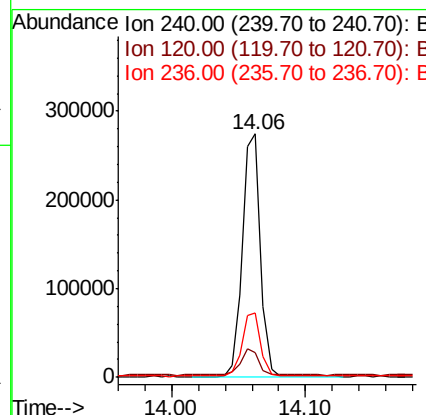
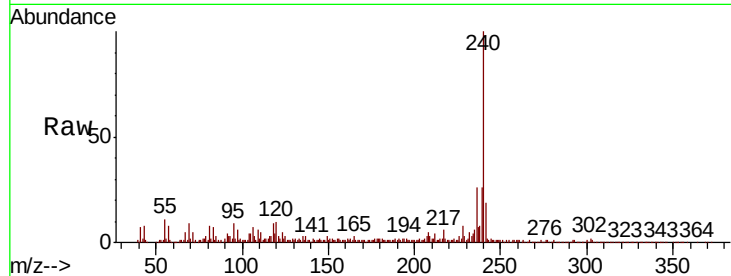
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	7.1	10.7
236	26.4	21.0	31.6

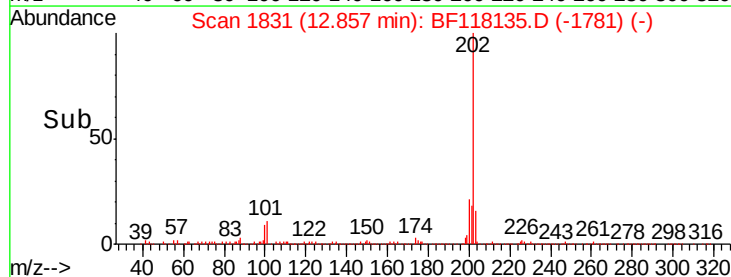
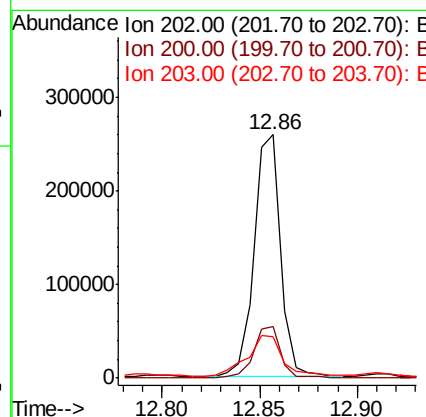
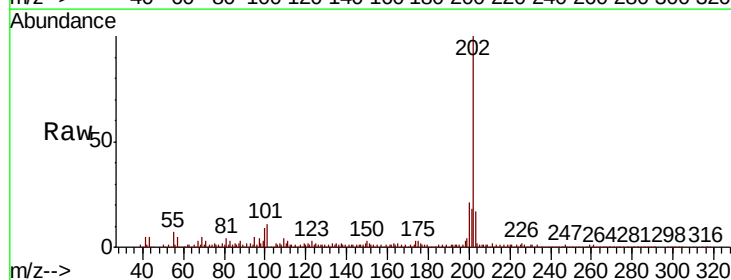
Manual Integrations
APPROVED

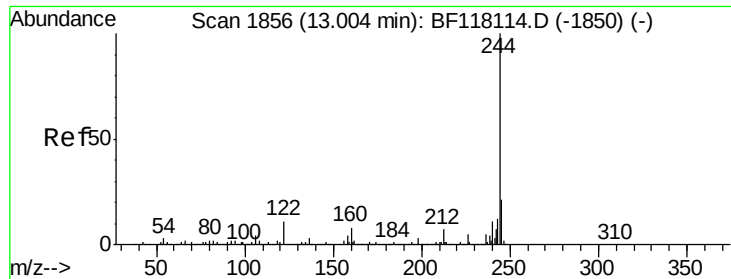
mohammad
12/10/2019 11:47:42 AM



#78
Pyrene
Concen: 11.973 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.5	26.3
203	17.1	14.6	21.8





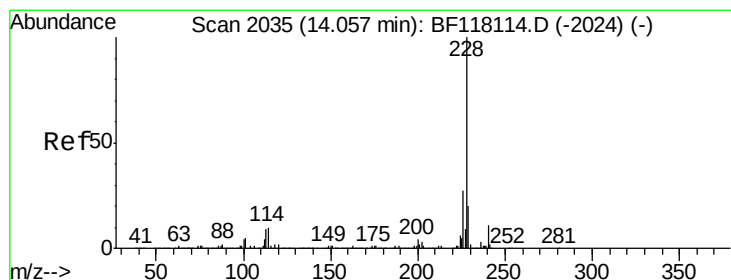
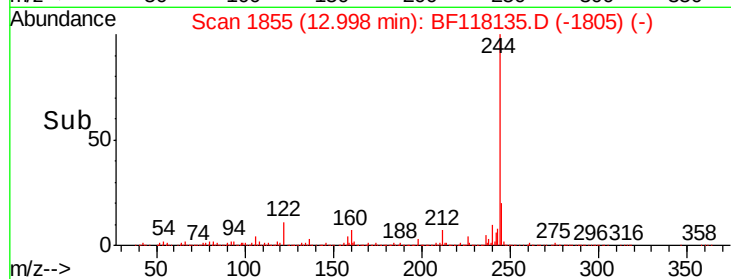
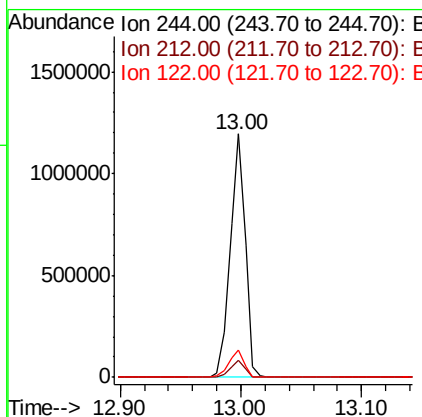
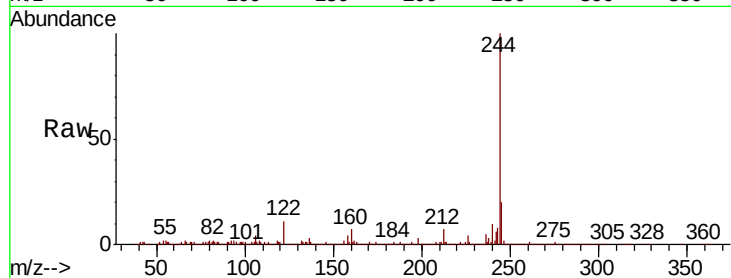
#79
 Terphenyl-d14
 Concen: 68.271 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF118135.D
 Acq: 7 Dec 2019 18:02

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC002

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.1	9.0	13.6

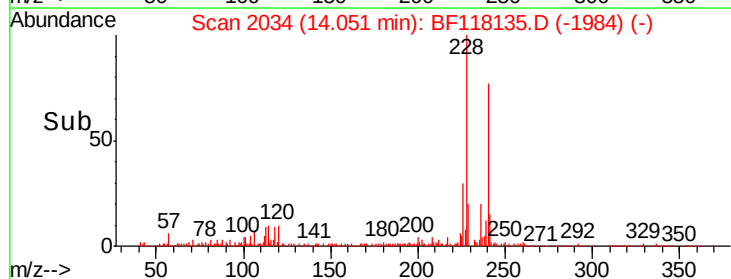
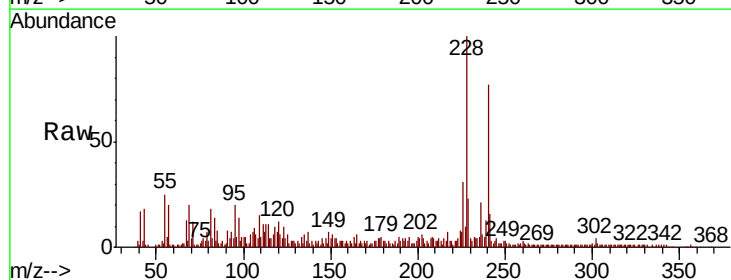
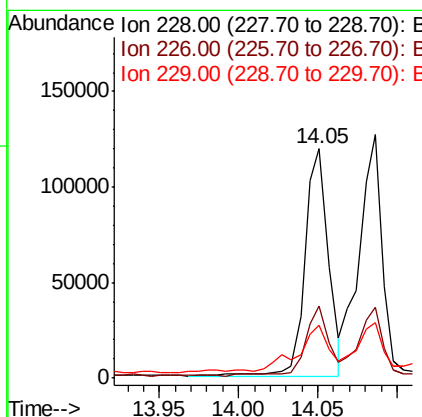
Manual Integrations
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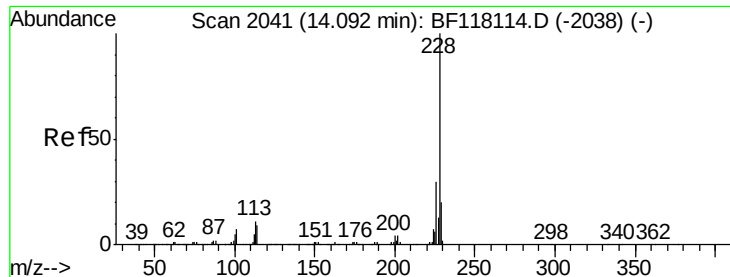
mohammad
 12/10/2019 11:47:42 AM



#81
 Benzo(a)anthracene
 Concen: 6.788 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF118135.D
 Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	21.8	32.8
229	23.2	15.8	23.8





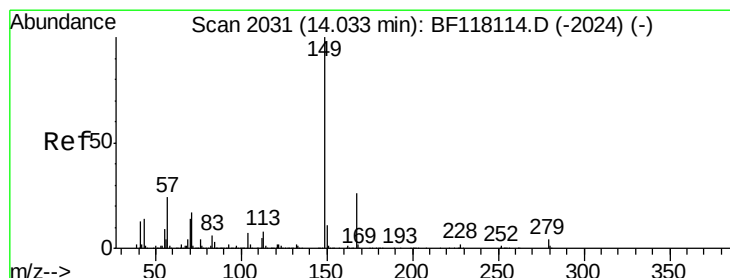
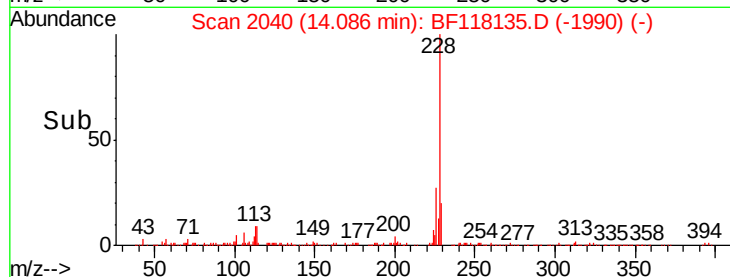
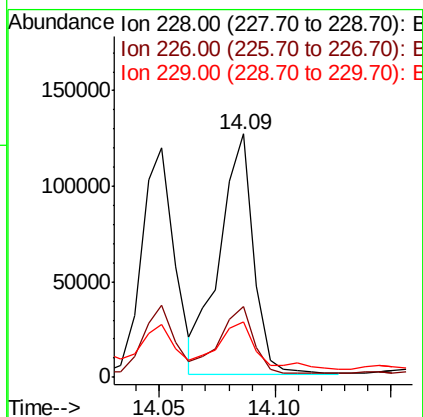
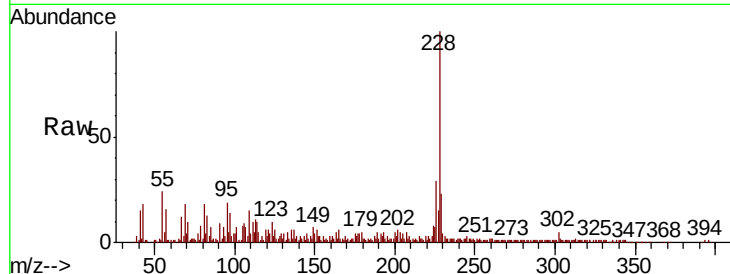
#83
Chrysene
Concen: 7.592 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.8	35.8
229	22.8	15.7	23.5

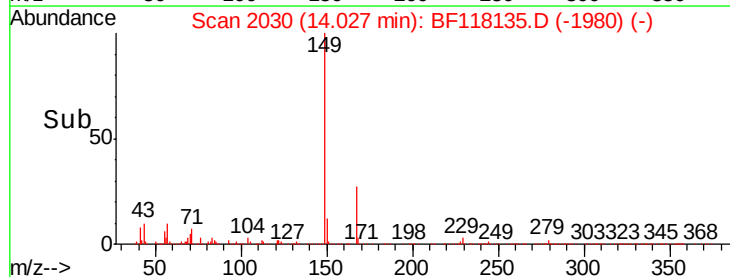
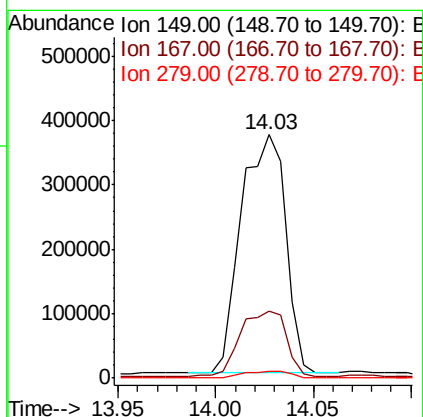
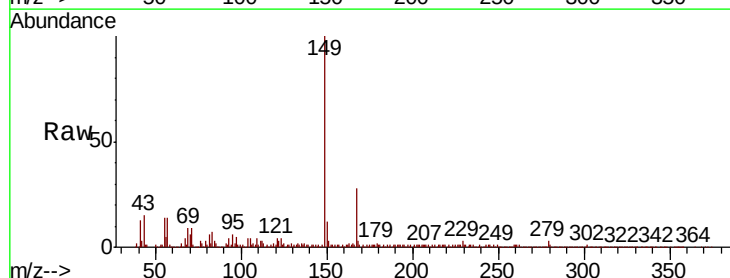
Manual Integrations
APPROVED

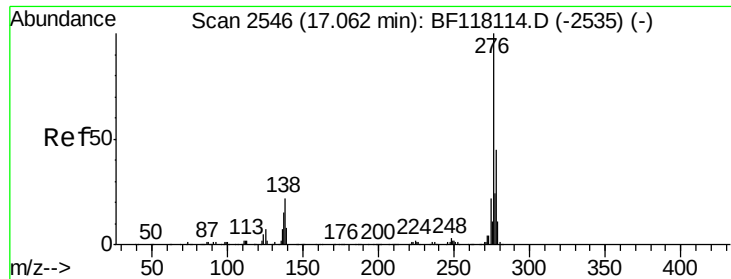
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.840 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	20.8	31.2
279	2.6	2.9	4.3#





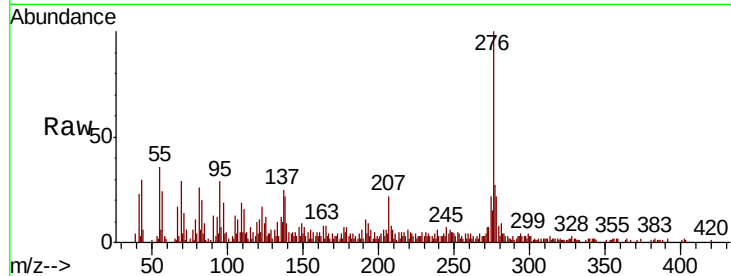
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.661 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.9	28.3
277	25.2	20.4	30.6

Manual Integrations
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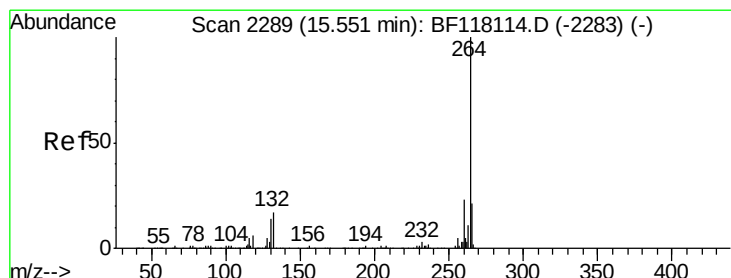
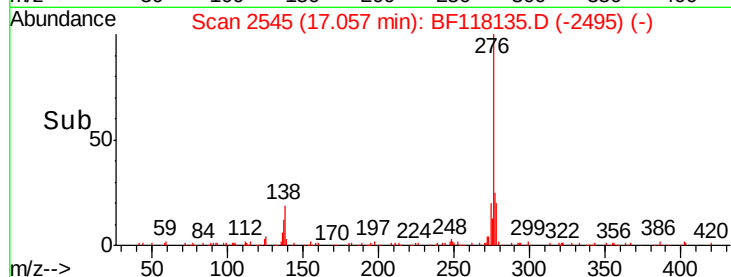
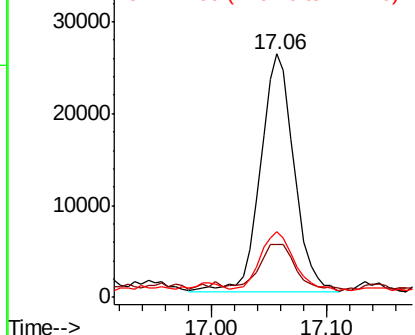


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

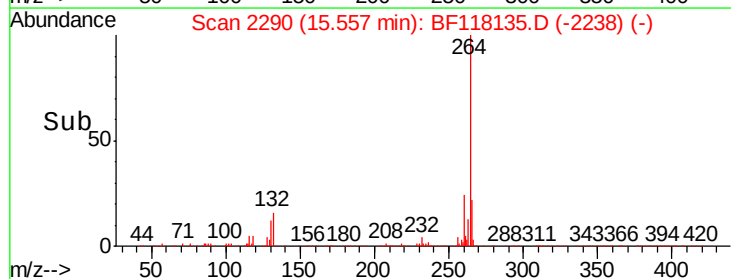
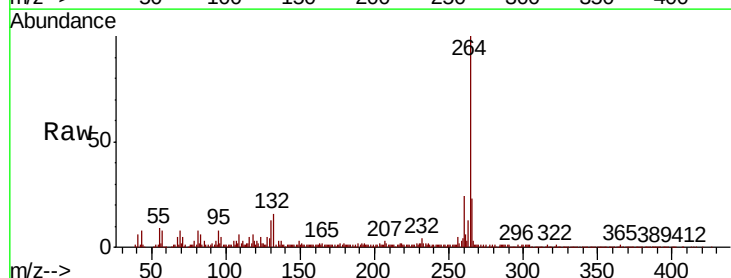
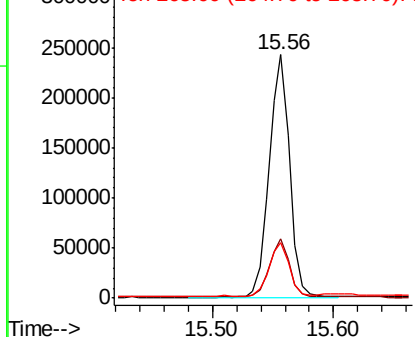
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	28.0
265	22.6	16.8	25.2

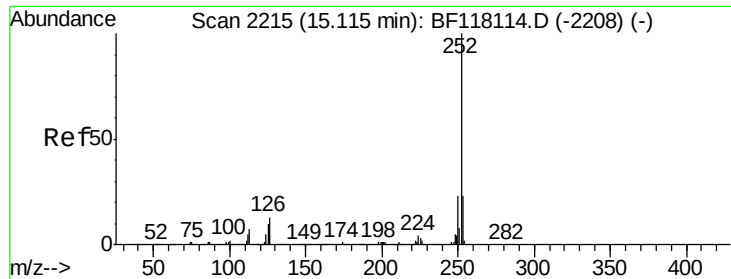
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





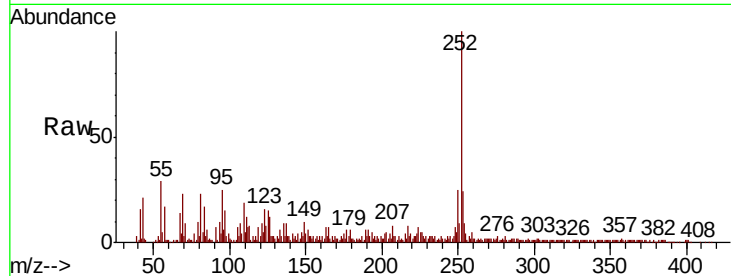
#88
Benzo(b)fluoranthene
Concen: 7.666 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampleId :
P001-WC002

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	15.4	8.3	12.5

Manual Integrations
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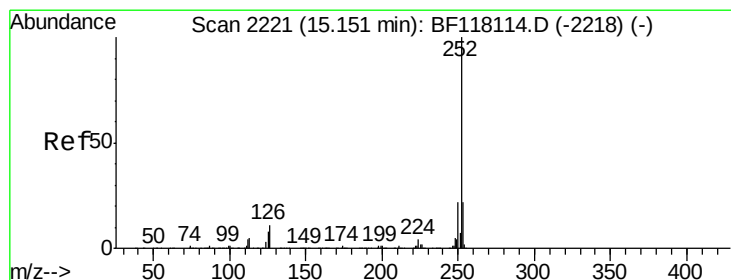
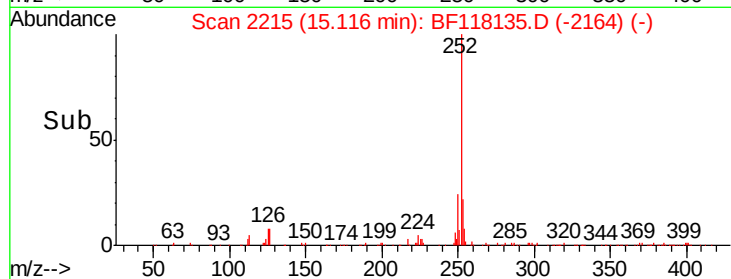
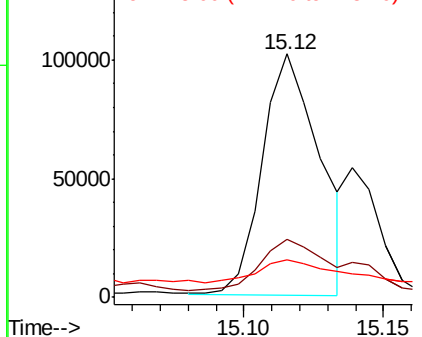


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.432 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

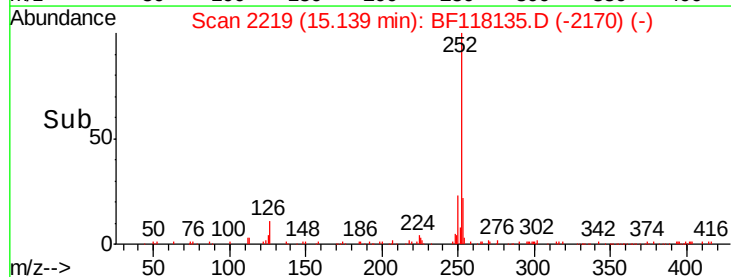
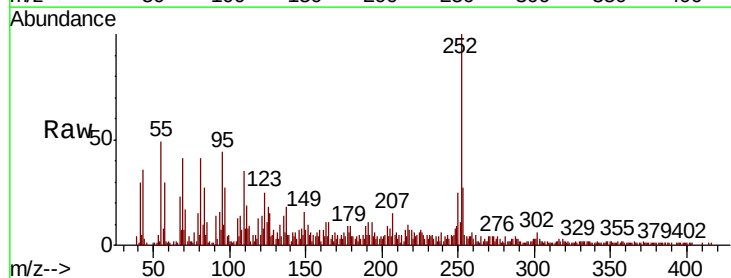
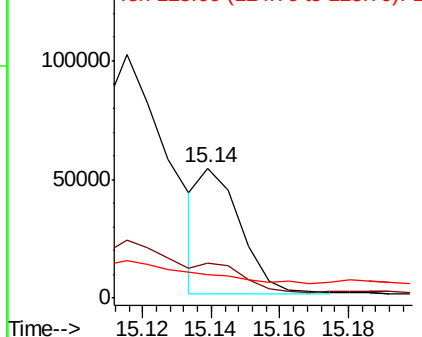
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.6	26.4
125	18.3	6.7	10.1

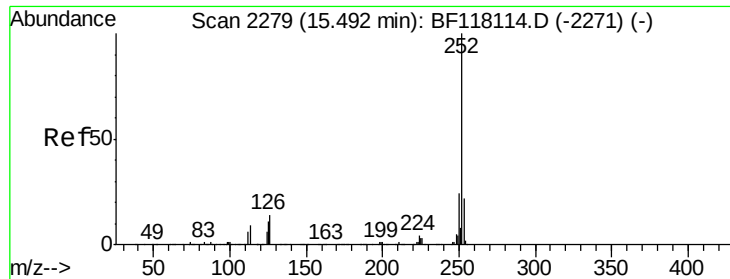
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





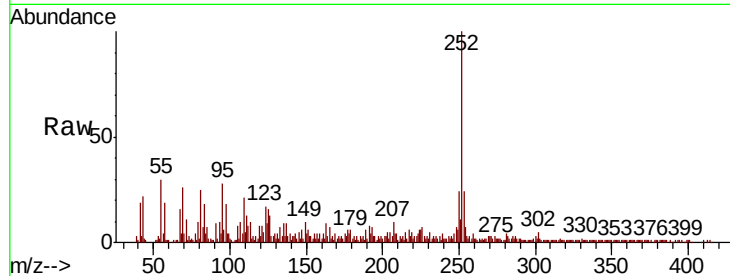
#90
Benzo(a)pyrene
Concen: 5.455 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Instrument :
BNA_F
ClientSampled :
P001-WC002

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	15.8	9.1	13.7

Manual Integrations
APPROVED

mohammad
12/10/2019 11:47:42 AM

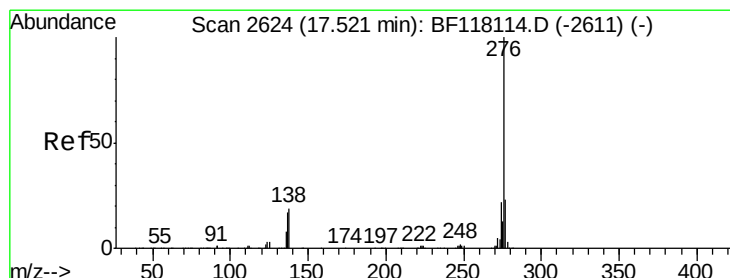
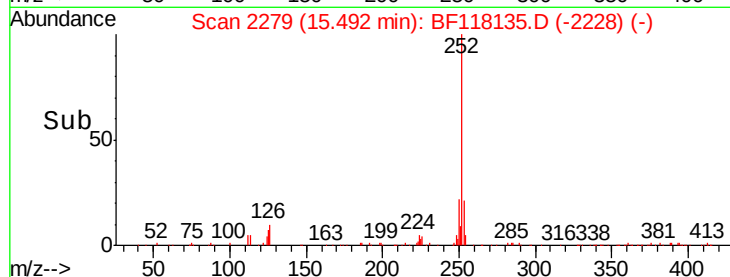
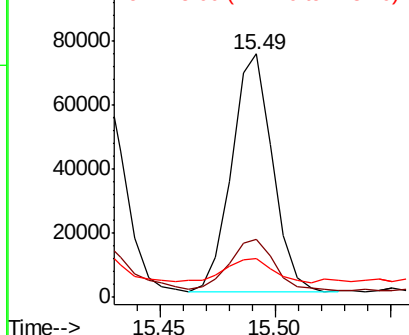


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.642 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BF118135.D
Acq: 7 Dec 2019 18:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.2	27.4
138	17.7	15.5	23.3

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

