

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118889.D
 Acq On : 11 Feb 2020 17:40
 Operator : CG/JU
 Sample : L1482-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7-EP1-1.5

Manual Integrations
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mohammad
 2/12/2020 3:50:52 PM

Quant Time: Feb 12 07:20:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	264582	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	995378	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	558087	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	1006133	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	512491	20.00	ng	-0.01
87) Perylene-d12	15.42	264	632528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1429993	102.31	ng	0.00
7) Phenol-d6	6.44	99	1789247	103.12	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1154360	69.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	607962	91.04	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	2185812	70.02	ng	-0.02
79) Terphenyl-d14	12.91	244	1808939	72.50	ng	-0.02
Target Compounds						
31) Naphthalene	8.10	128	850891	18.691	ng	98
37) 2-Methylnaphthalene	8.80	142	110892	3.512	ng	99
38) 1-Methylnaphthalene	8.90	142	103880	3.497	ng	97
49) Acenaphthylene	9.70	152	805308	17.378	ng	98
50) Dimethylphthalate	9.55	163	112384	2.957	ng	98
52) Acenaphthene	9.87	154	76025	2.490	ng	96
55) Dibenzofuran	10.05	168	162572	3.684	ng	93
58) Fluorene	10.39	166	240094	7.232	ng	97
71) Phenanthrene	11.35	178	1841360	37.197	ng	99
72) Anthracene	11.40	178	629690	12.786	ng	97
73) Carbazole	11.55	167	119859	2.773	ng	96
75) Fluoranthene	12.54	202	2379733	44.029	ng	99
78) Pyrene	12.77	202	2388436	67.934	ng	99
81) Benzo(a)anthracene	13.96	228	1430114m	46.895	ng	
83) Chrysene	14.00	228	1225922	40.053	ng	98
86) Indeno(1,2,3-cd)pyrene	16.86	276	1201135	39.058	ng	96
88) Benzo(b)fluoranthene	15.00	252	2130152m	54.272	ng	
89) Benzo(k)fluoranthene	15.03	252	628112m	18.377	ng	
90) Benzo(a)pyrene	15.36	252	1634204	48.651	ng	98
91) Dibenzo(a,h)anthracene	16.87	278	346897m	11.633	ng	
92) Benzo(g,h,i)perylene	17.30	276	1155680	40.300	ng	99

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

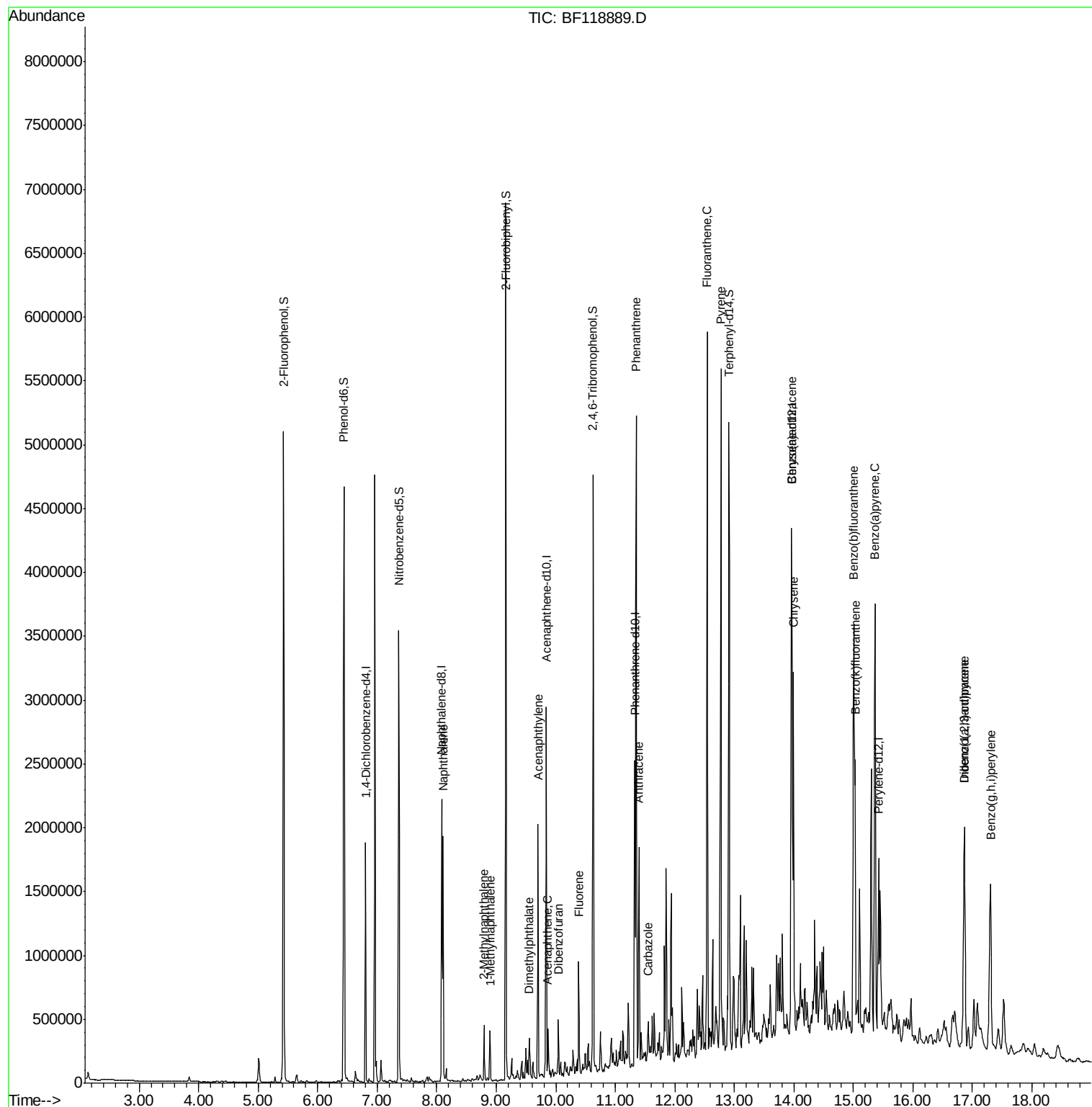
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118889.D
Acq On : 11 Feb 2020 17:40
Operator : CG/JU
Sample : L1482-01
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ALS Vial : 6 Sample Multiplier: 1

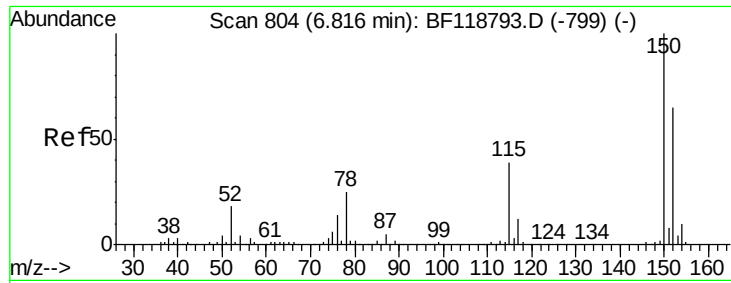
Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Manual Integrations
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Quant Time: Feb 12 07:20:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

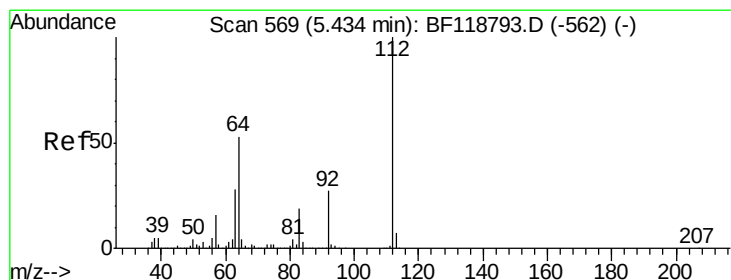
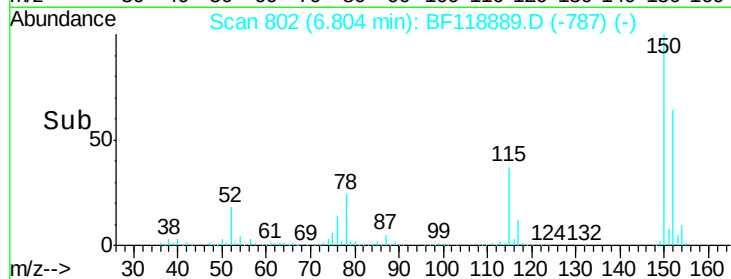
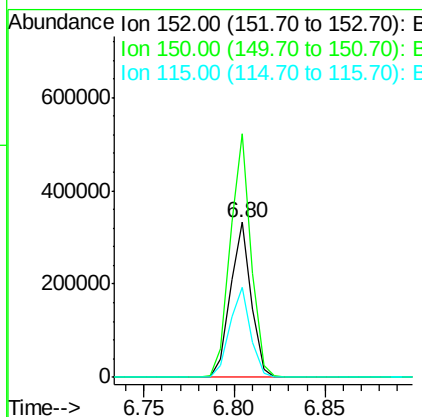
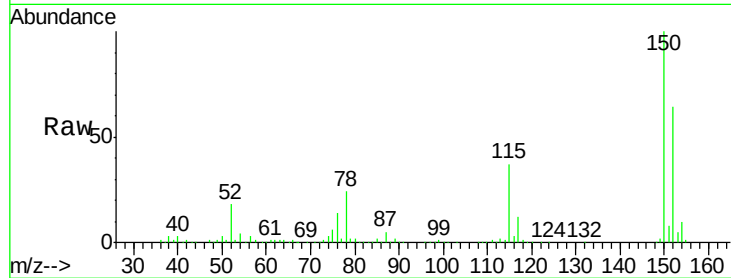
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118889.D
 Acq: 11 Feb 2020 17:40

Instrument :
 BNA_F
 ClientSampleId :
 TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.6	185.4
115	57.8	48.2	72.2

Manual Integrations
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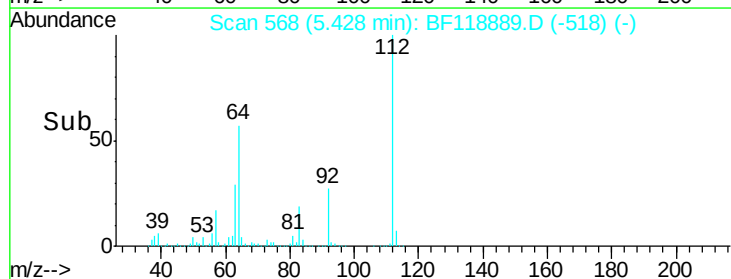
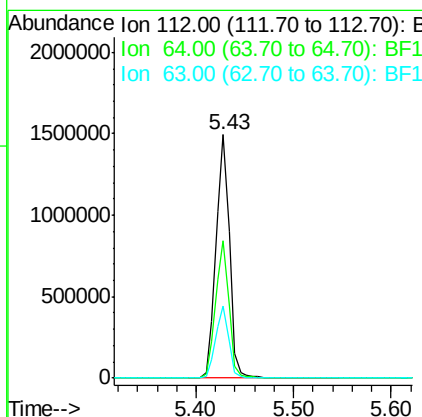
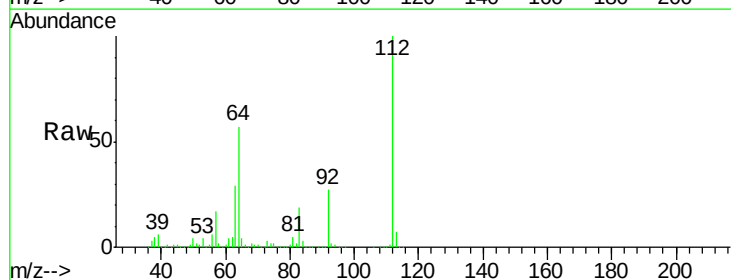
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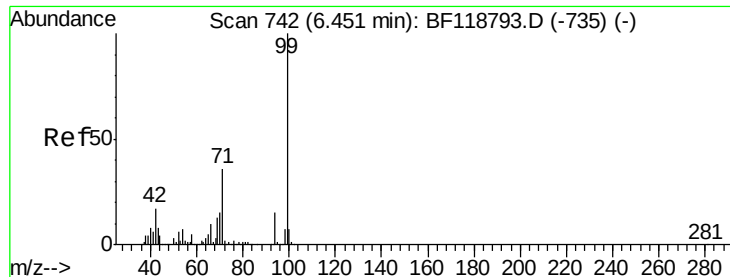


#5

2-Fluorophenol
 Concen: 102.308 ng
 RT: 5.43 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF118889.D
 Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	42.6	63.8
63	29.4	22.2	33.4





#7

Phenol-d6

Concen: 103.121 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118889.D

Acq: 11 Feb 2020 17:40

Instrument :

BNA_F

ClientSampleId :

TP7-EP1-1.5

Tot Ion: 99 Resp: 1789247

Ion Ratio Lower Upper

99 100

42 16.9 13.4 20.0

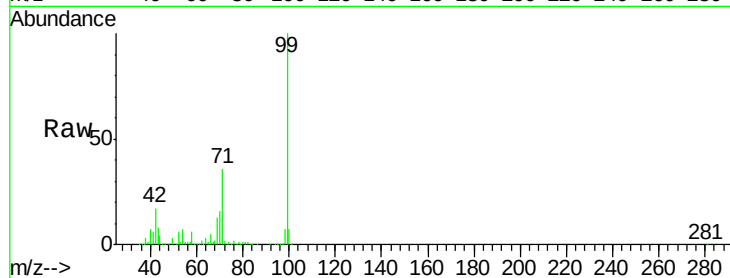
71 35.8 29.0 43.6

Manual Integrations

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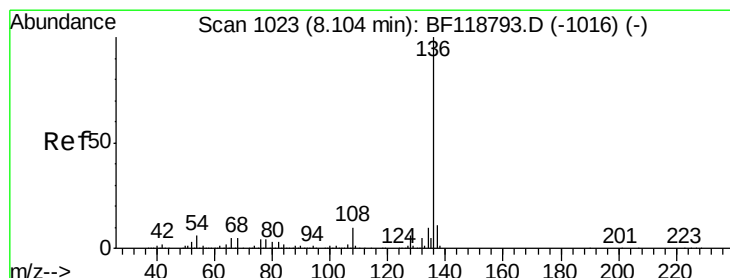
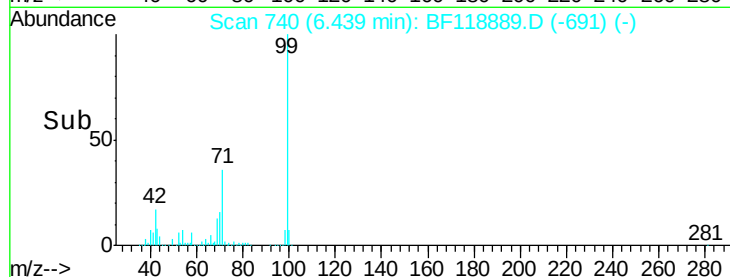
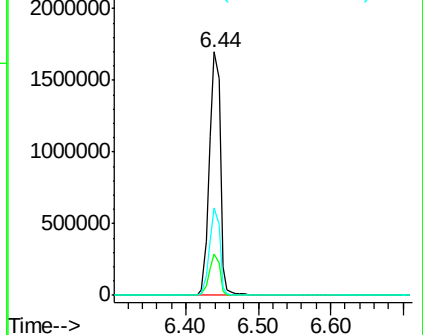
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118889.D

Acq: 11 Feb 2020 17:40

Tgt Ion: 136 Resp: 995378

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.5 5.0 7.6

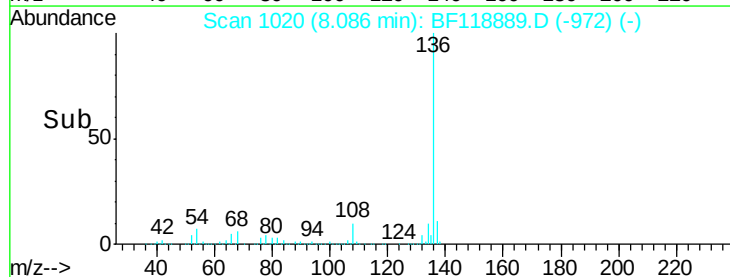
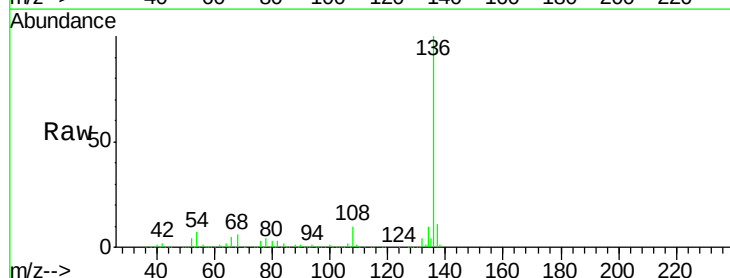
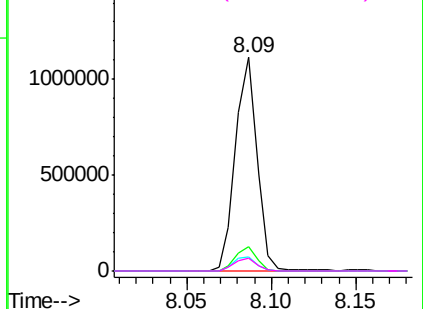
68 6.1 4.2 6.4

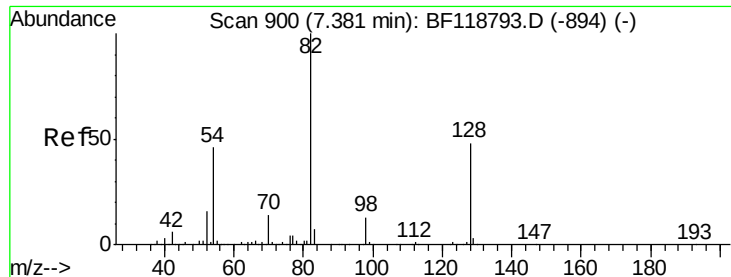
Abundance Ion 136.00 (135.70 to 136.70): E

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





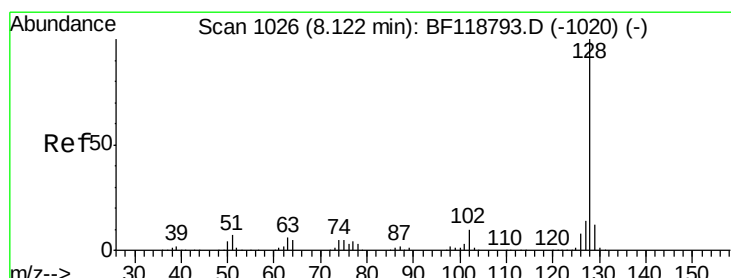
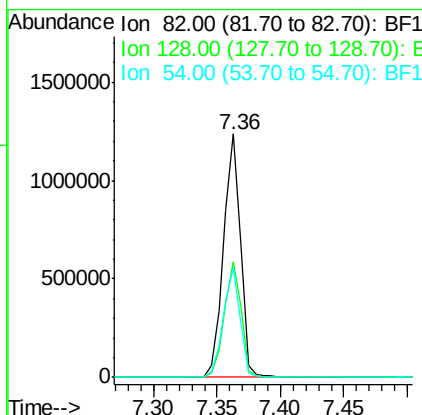
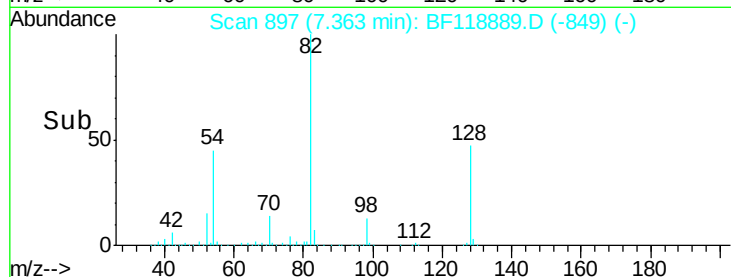
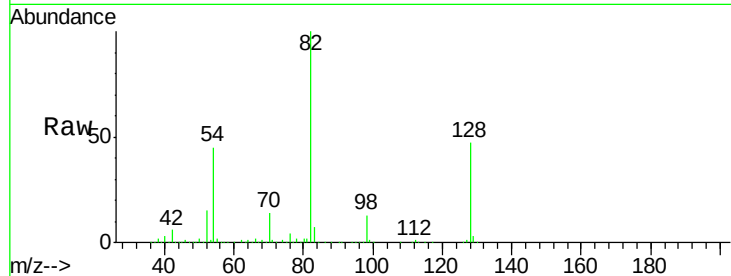
#23
Nitrobenzene-d5
Concen: 69.125 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion: 82 Resp: 1154360
Ion Ratio Lower Upper
82 100
128 47.3 38.5 57.7
54 45.0 36.7 55.1

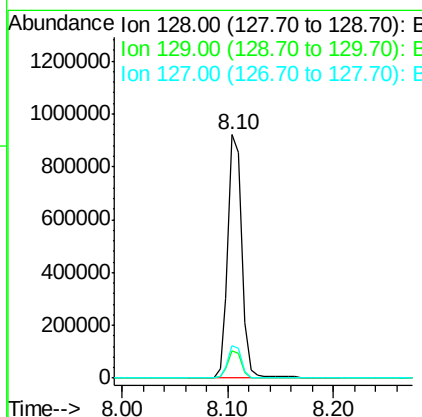
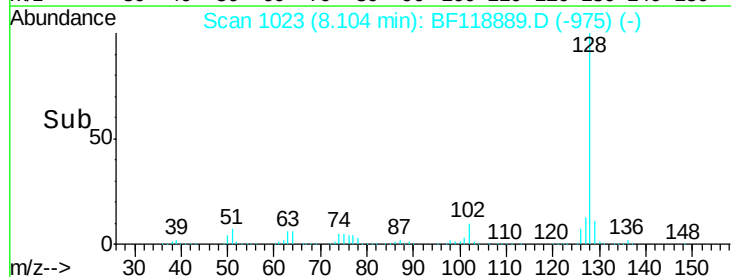
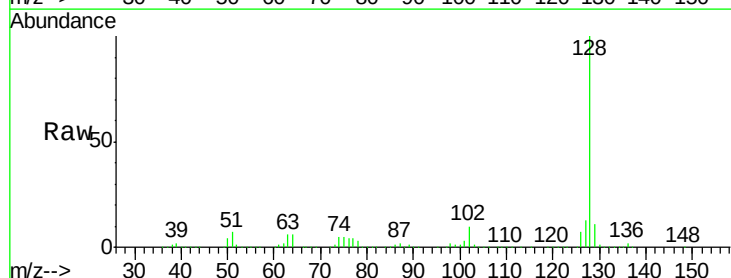
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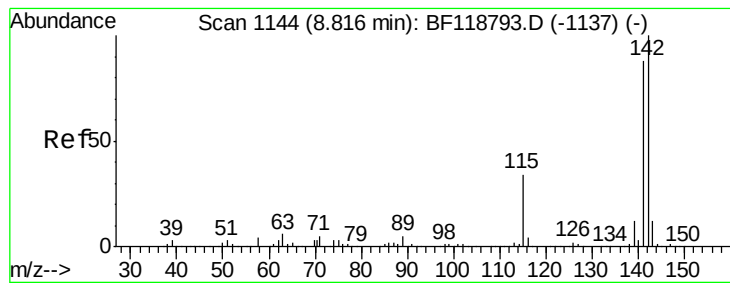
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#31
Naphthalene
Concen: 18.691 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion: 128 Resp: 850891
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 13.2 11.3 16.9





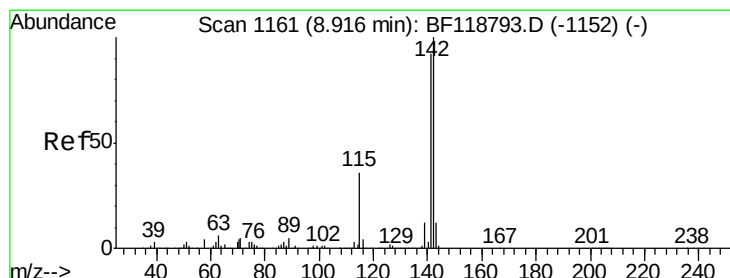
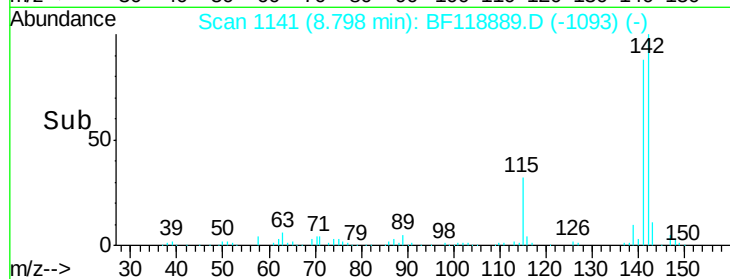
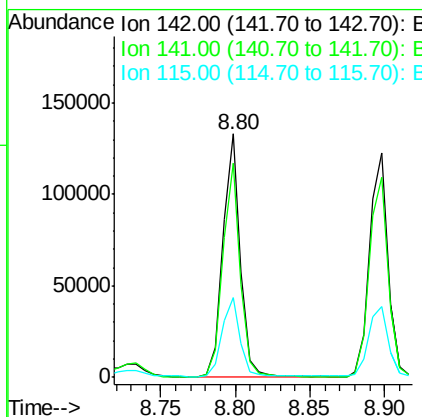
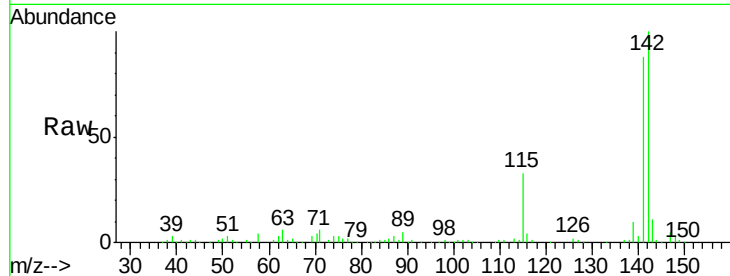
#37
2-Methylnaphthalene
Concen: 3.512 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.1	105.1
115	32.5	27.3	40.9

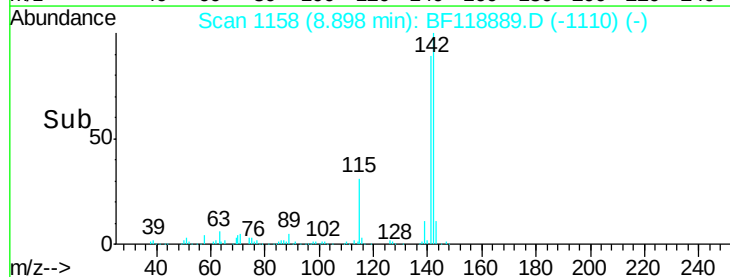
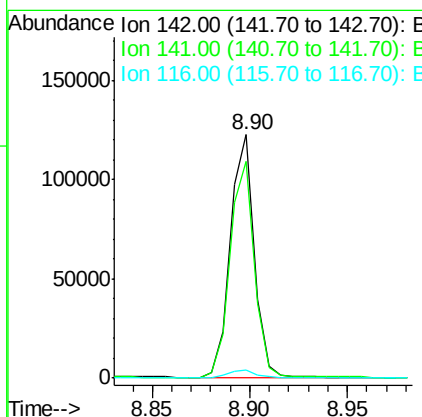
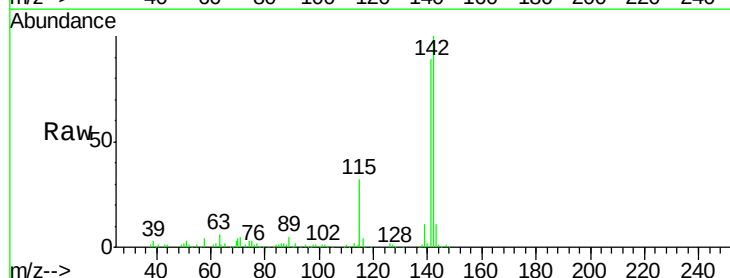
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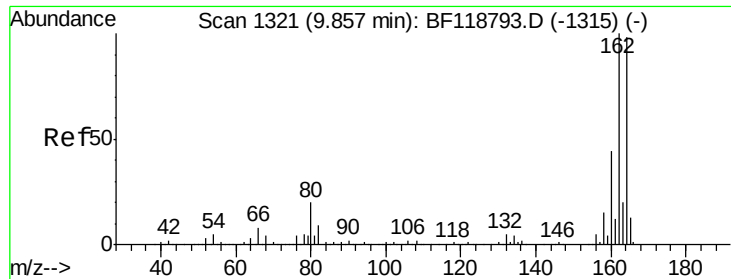
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#38
1-Methylnaphthalene
Concen: 3.497 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.8	110.6
116	3.6	3.0	4.4





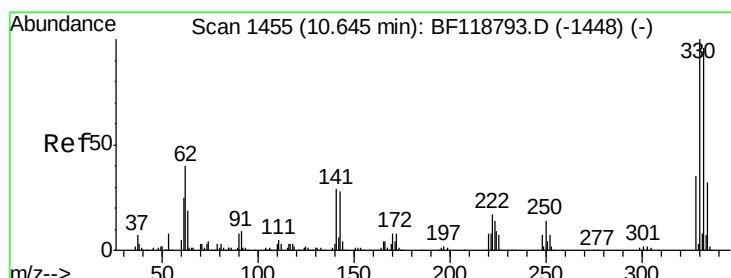
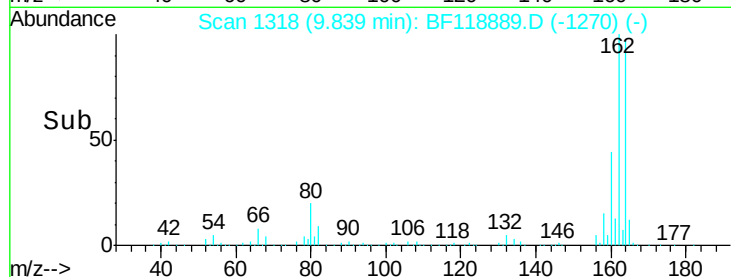
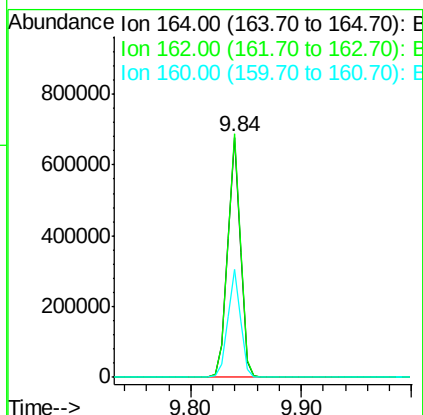
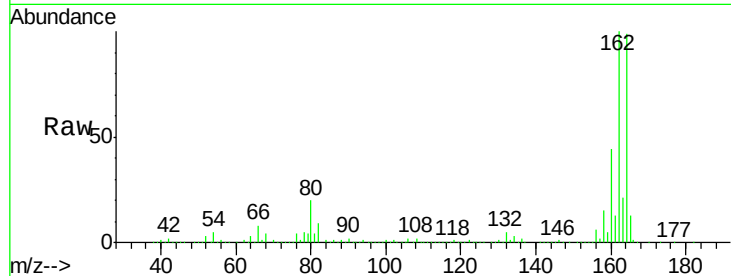
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	81.4	122.2	
160	44.7	35.6	53.4	

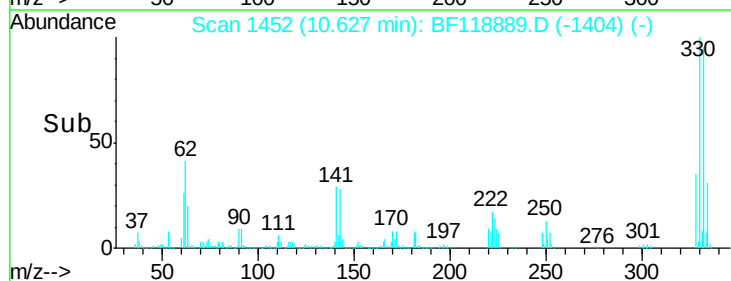
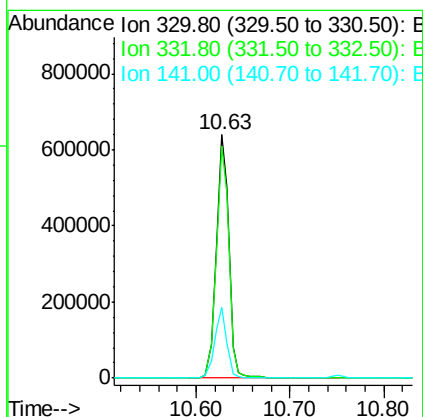
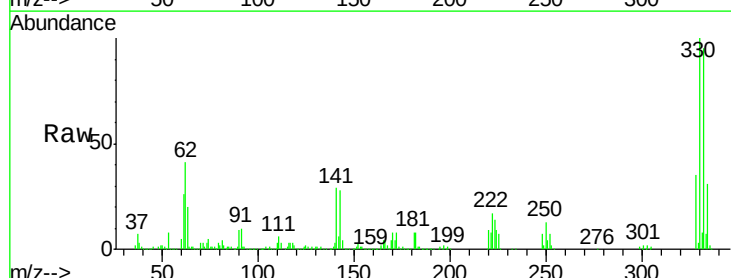
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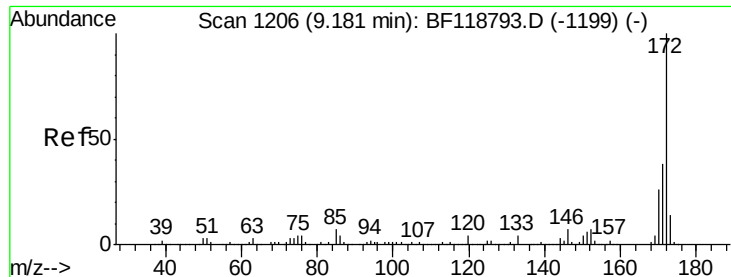
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#42
2,4,6-Tribromophenol
Concen: 91.044 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.3	115.9	
141	27.5	22.4	33.6	





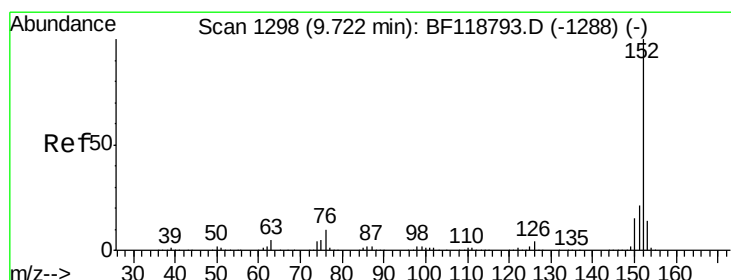
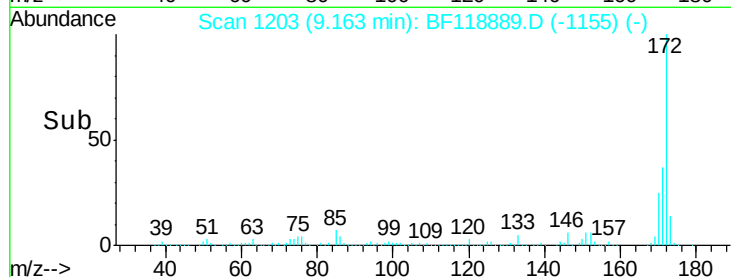
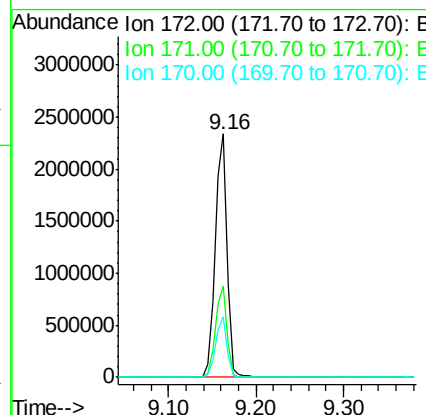
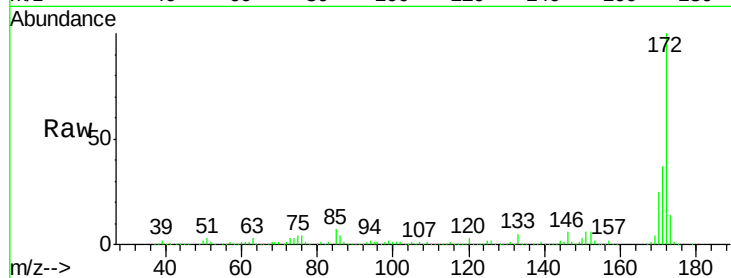
#45
2-Fluorobiphenyl
Concen: 70.017 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.8	46.2
170	24.8	20.5	30.7

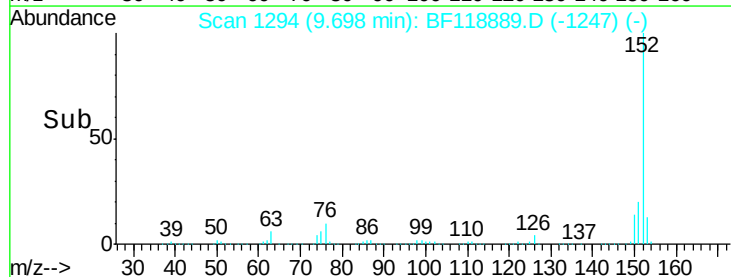
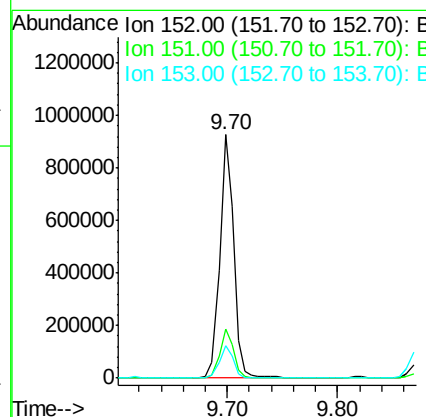
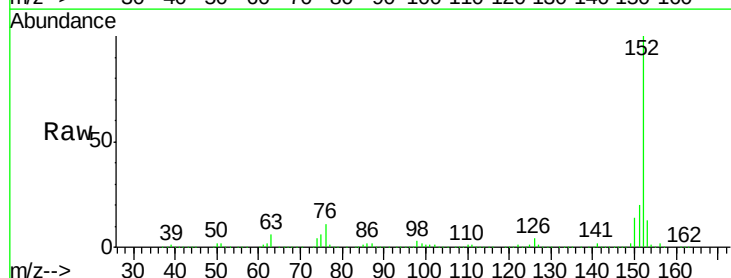
Manual Integrations
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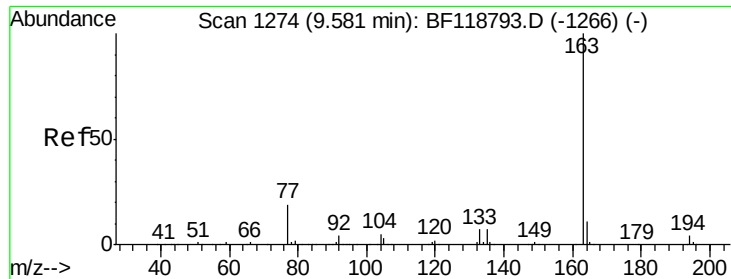
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#49
Acenaphthylene
Concen: 17.378 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.1	25.7
153	13.5	11.0	16.4





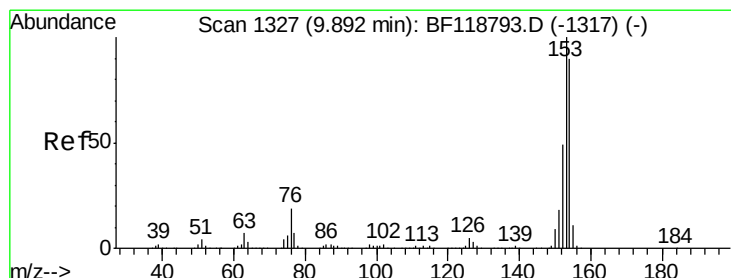
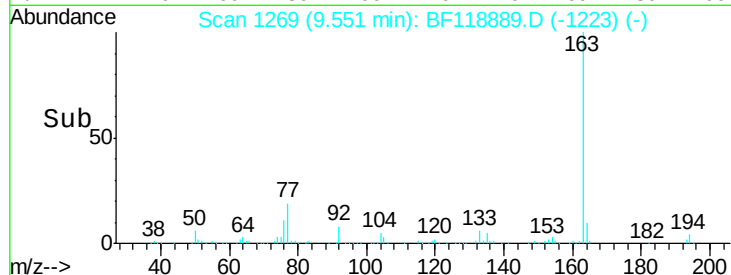
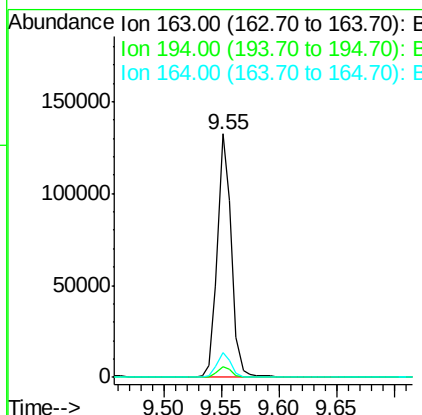
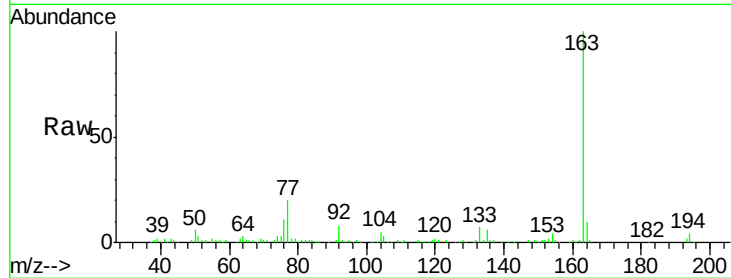
#50
Dimethylphthalate
Concen: 2.957 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	112384		
194	4.2	3.6	5.4	
164	10.0	8.7	13.1	

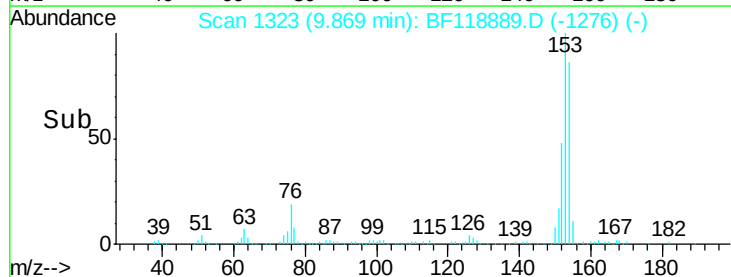
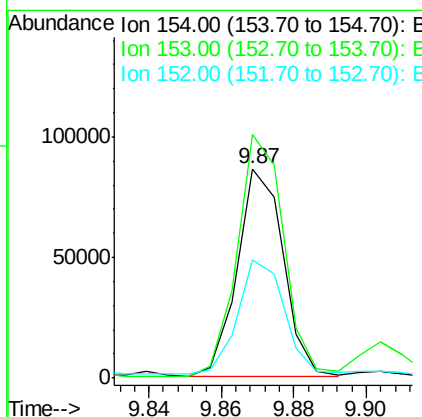
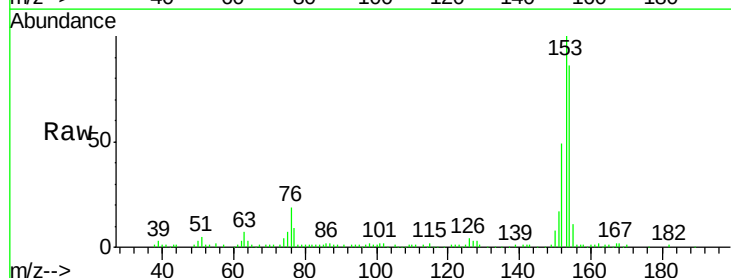
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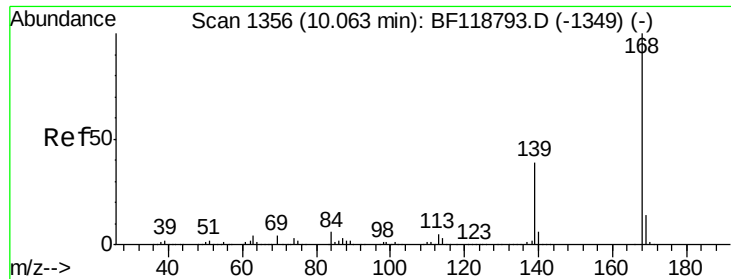
mohammad
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#52
Acenaphthene
Concen: 2.490 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	76025		
153	116.4	89.4	134.0	
152	56.7	43.6	65.4	





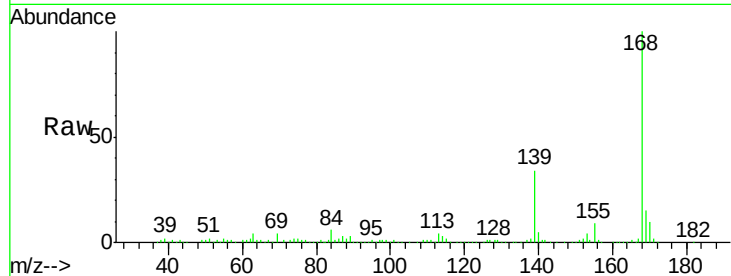
#55
Dibenzofuran
Concen: 3.684 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

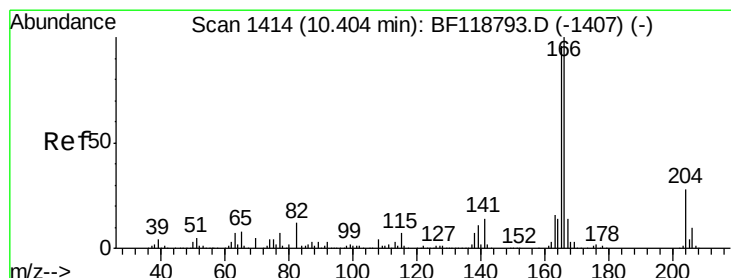
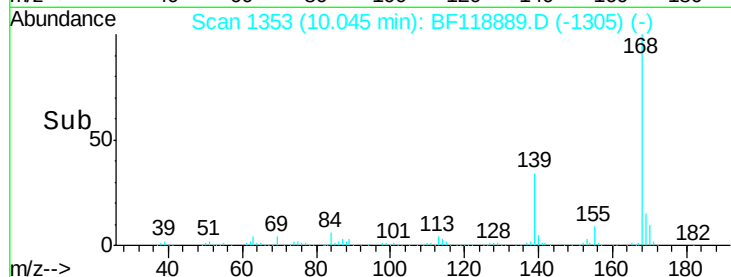
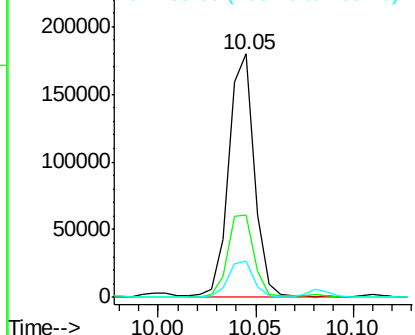
Tot Ion	Ratio	Resp	Lower	Upper
168	100	162572		
139	33.8		31.6	47.4
169	14.7		11.4	17.2

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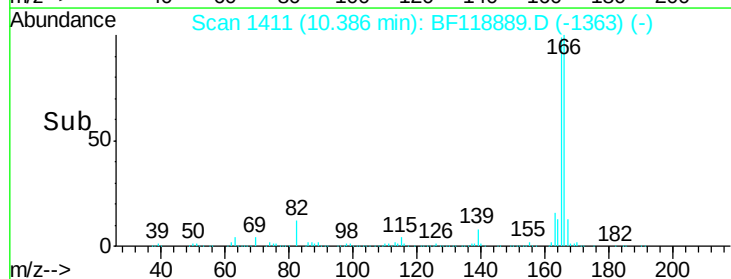
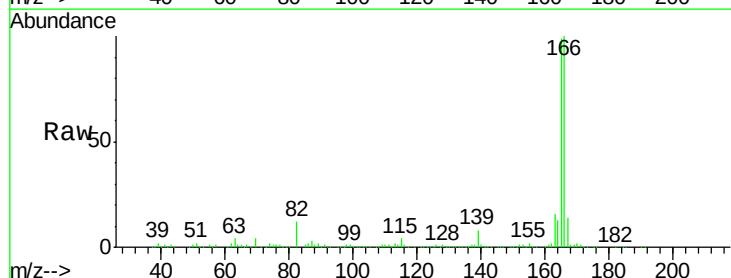
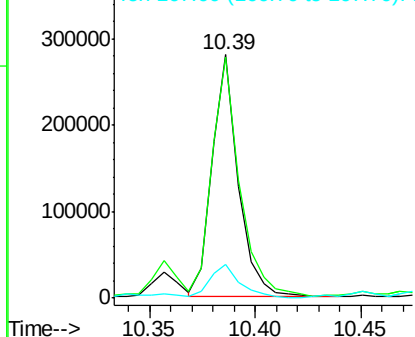
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

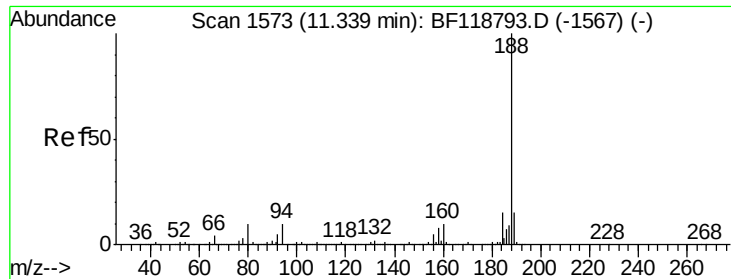


#58
Fluorene
Concen: 7.232 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	240094		
165	99.1		77.0	115.6
167	13.7		11.1	16.7

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





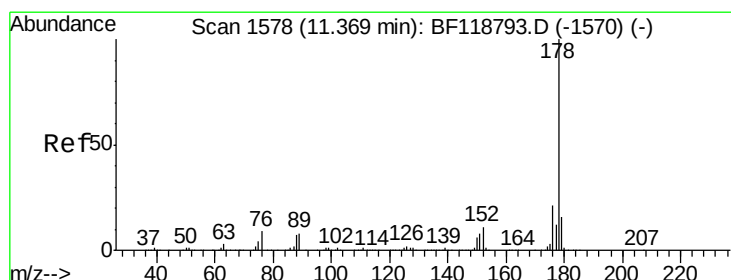
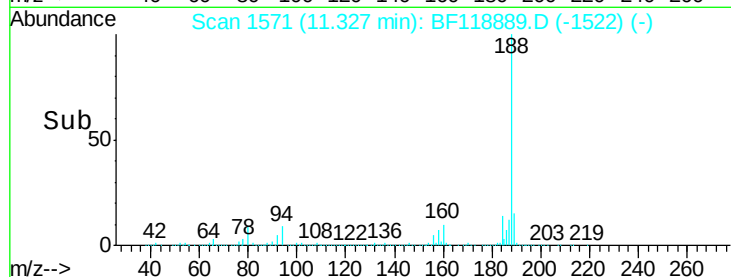
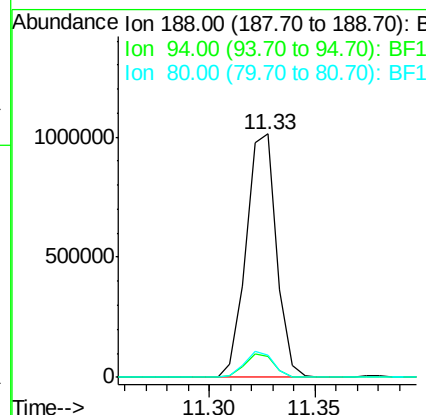
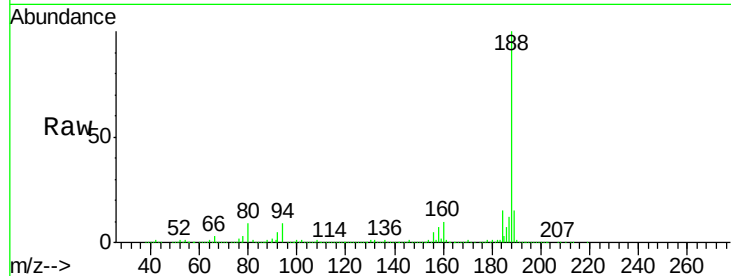
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampled :
TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.9	11.9
80	9.0	8.4	12.6

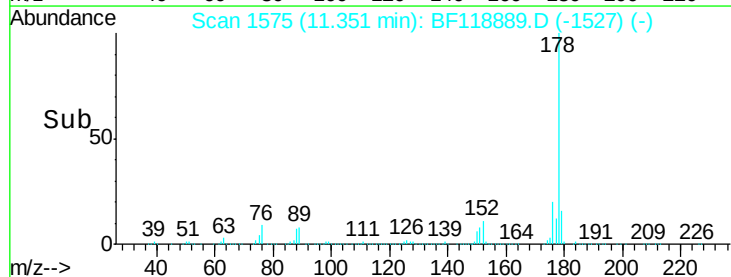
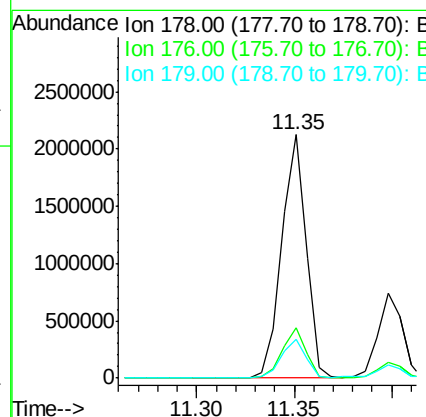
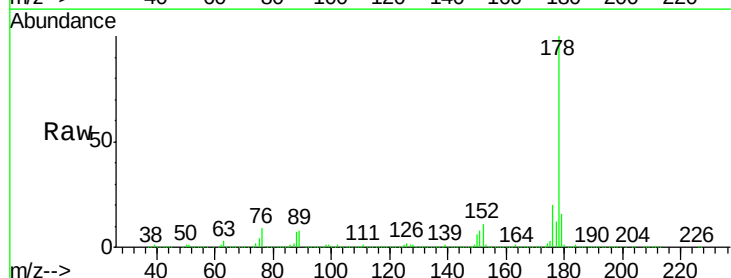
Manual Integrations
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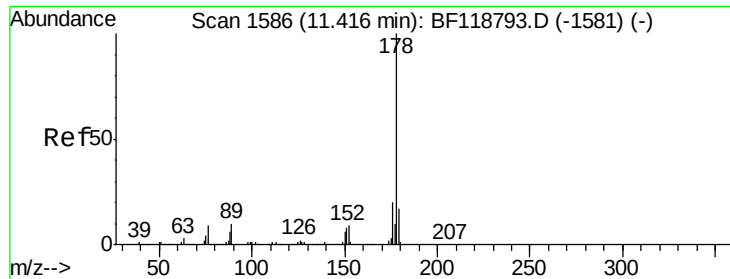
mohammad
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#71
Phenanthrene
Concen: 37.197 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.6	24.8
179	16.2	13.2	19.8





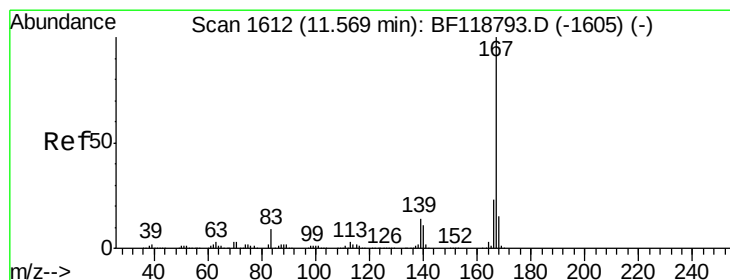
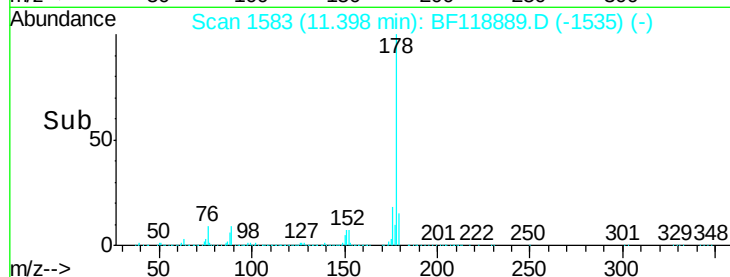
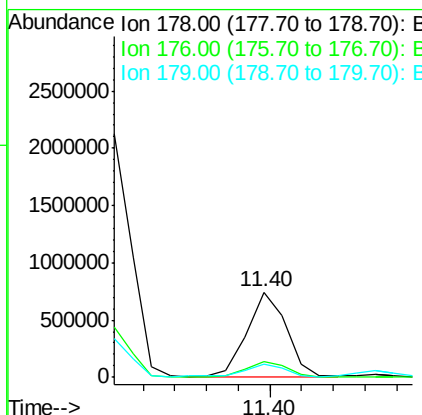
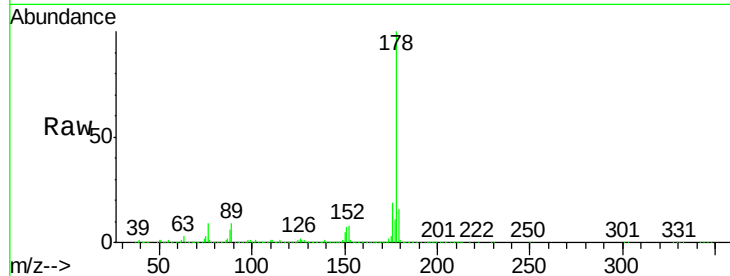
#72
 Anthracene
 Concen: 12.786 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: BF118889.D
 Acq: 11 Feb 2020 17:40

Instrument :
 BNA_F
 ClientSampleId :
 TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.2
179	15.6	13.4	20.2

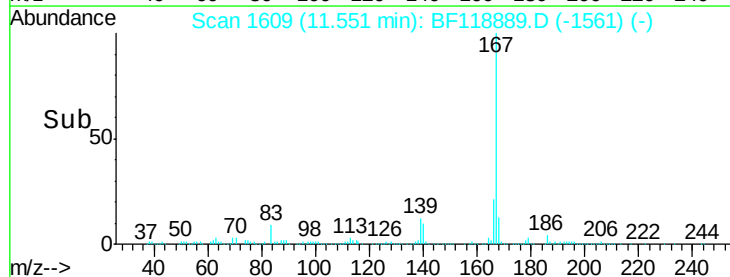
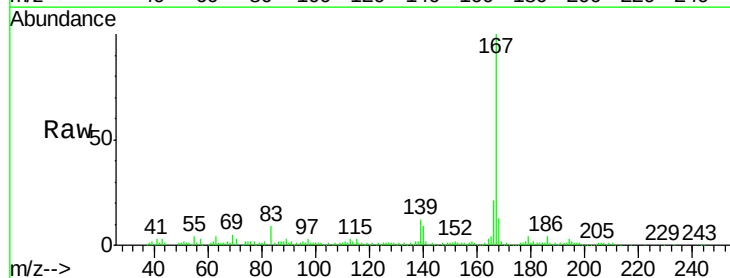
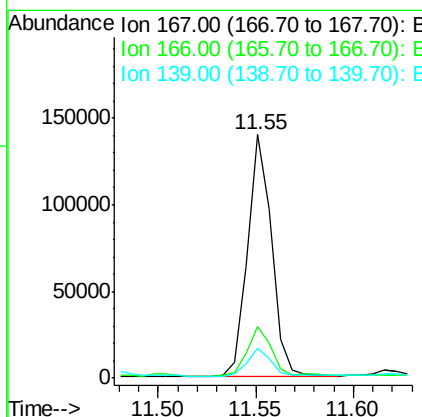
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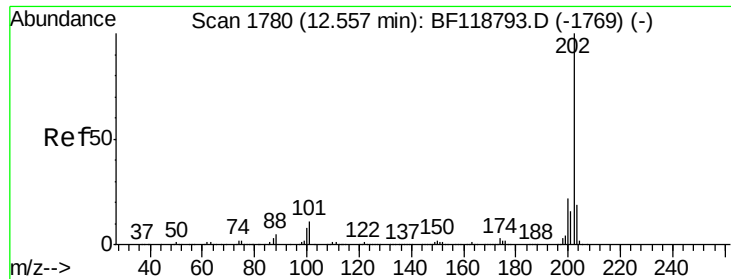
mohammad
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#73
 Carbazole
 Concen: 2.773 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.02 min
 Lab File: BF118889.D
 Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.4	27.6
139	12.4	11.1	16.7





#75

Fluoranthene

Concen: 44.029 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118889.D

Acq: 11 Feb 2020 17:40

Instrument :

BNA_F

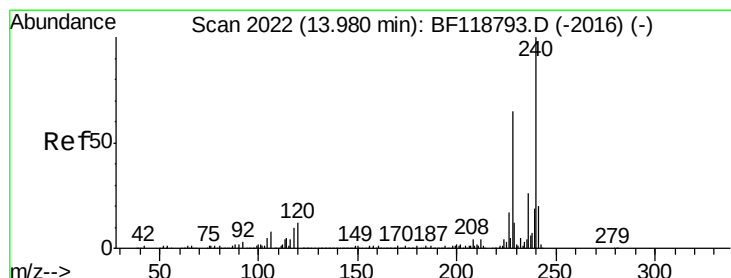
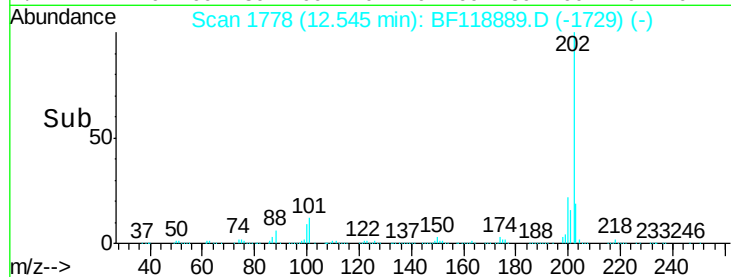
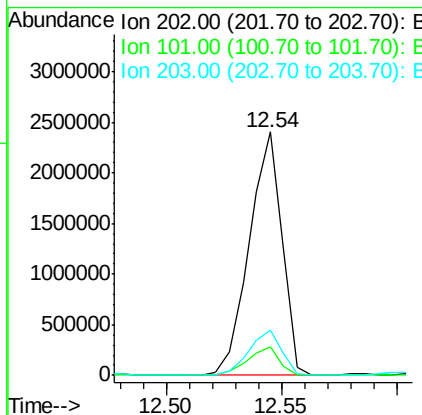
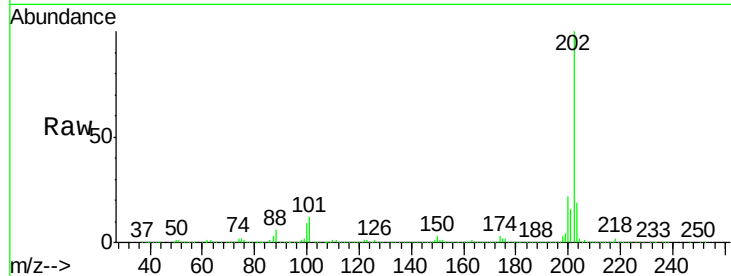
ClientSampleId :

TP7-EP1-1.5

Tot Ion:	202	Resp:	2379733
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.0
203	18.7	0.0	38.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

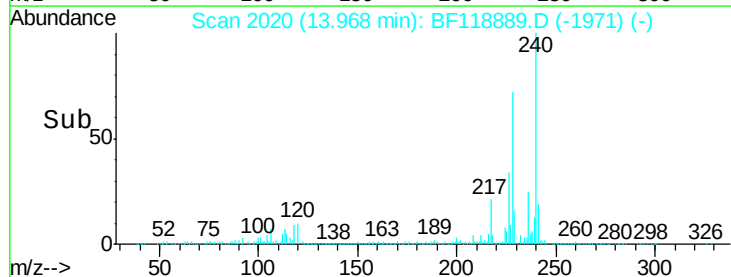
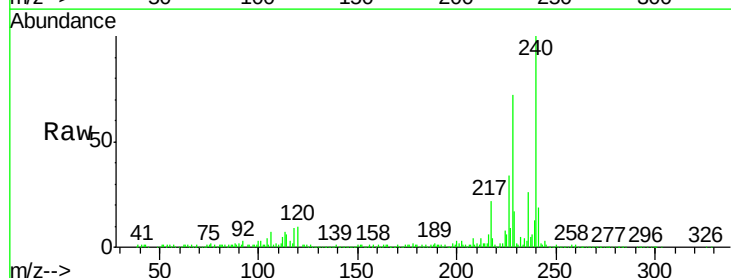
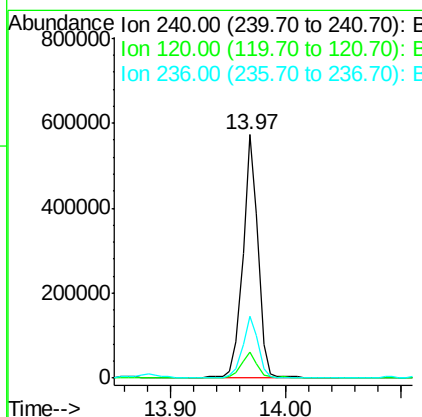
RT: 13.97 min Scan# 2020

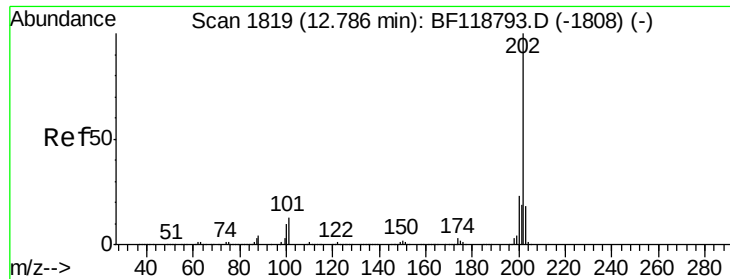
Delta R.T. -0.01 min

Lab File: BF118889.D

Acq: 11 Feb 2020 17:40

Tgt Ion:	240	Resp:	512491
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.4	14.0
236	25.6	21.0	31.6





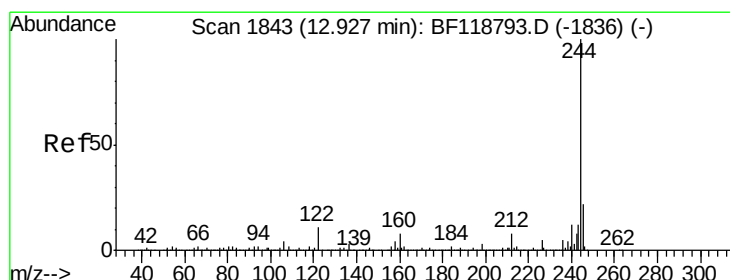
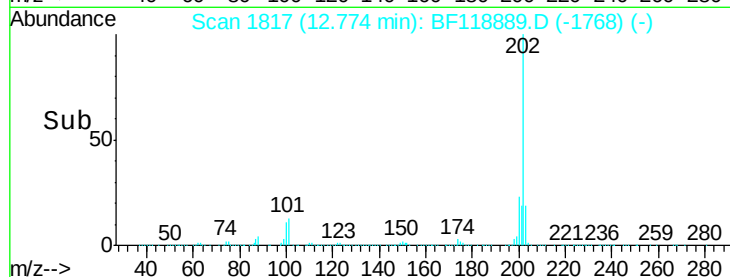
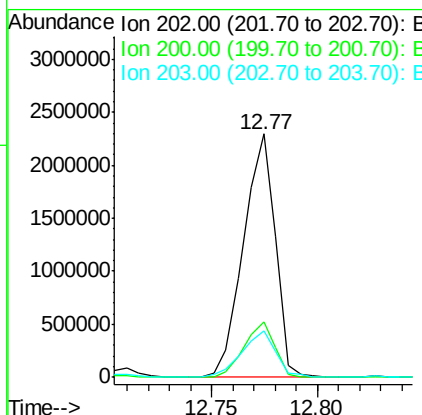
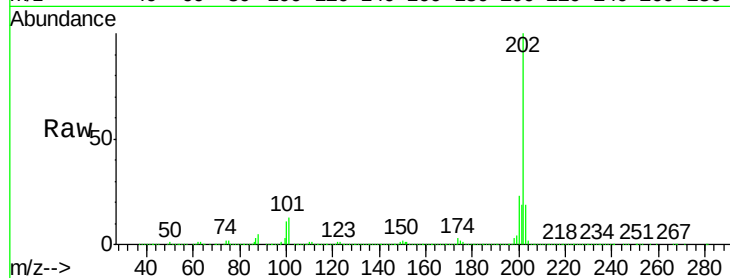
#78
Pvrene
Concen: 67.934 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion:202 Resp: 2388436
Ion Ratio Lower Upper
202 100
200 22.6 18.2 27.2
203 19.1 14.8 22.2

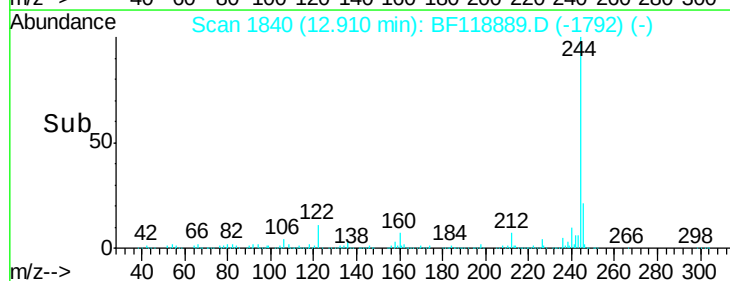
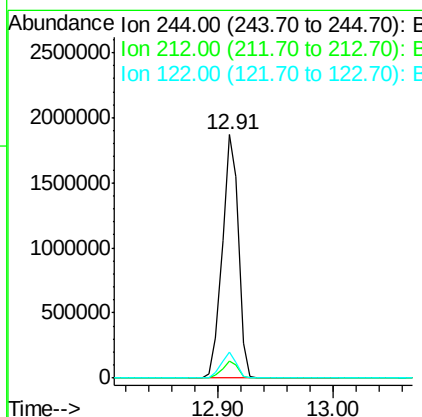
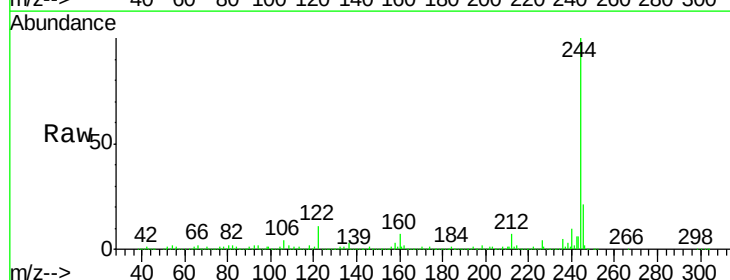
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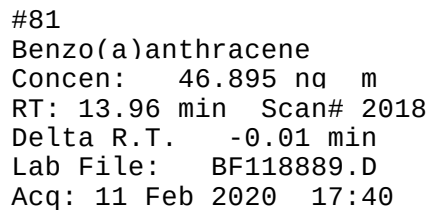
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#79
Terphenyl-d14
Concen: 72.502 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion:244 Resp: 1808939
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 10.6 8.9 13.3



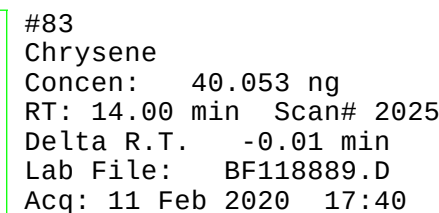
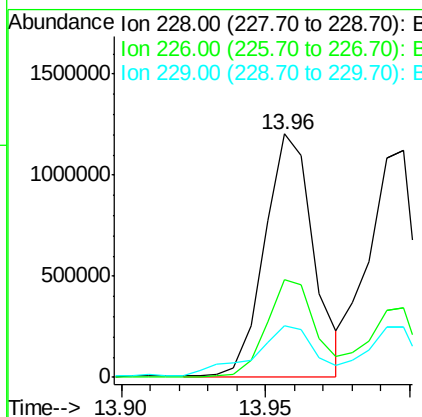


Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

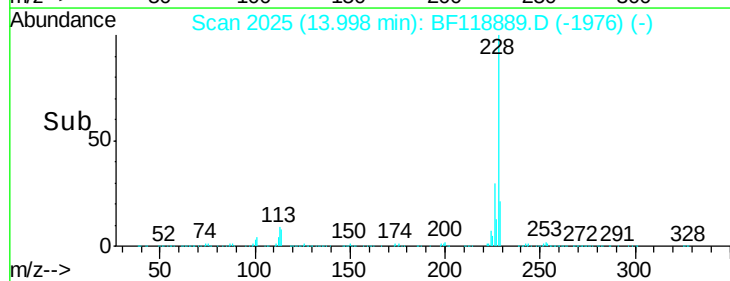
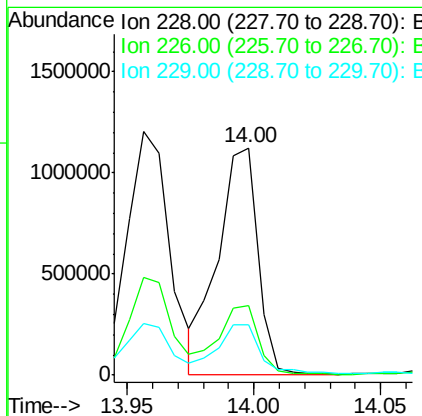
Tot	Ion:228	Resp:	1430114
Ion	Ratio	Lower	Upper
228	100		
226	40.1	22.7	34.1#
229	21.3	16.6	25.0

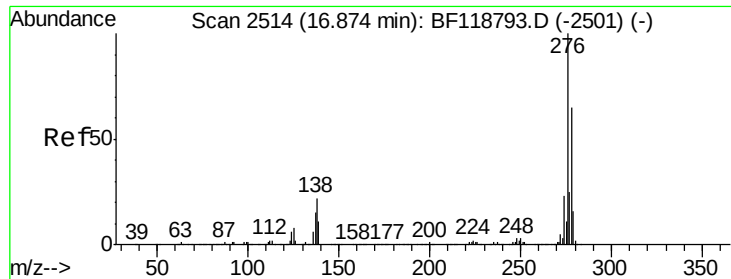
Manual Integrations
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Tgt	Ion:228	Resp:	1225922
Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	22.2	16.9	25.3





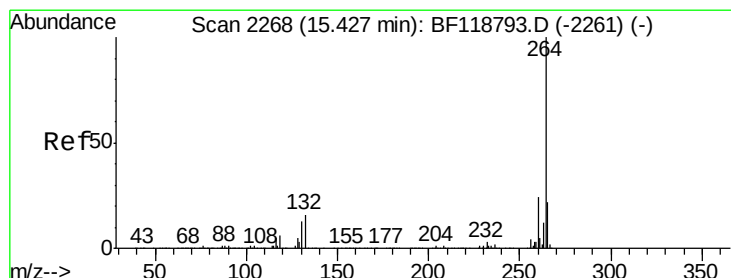
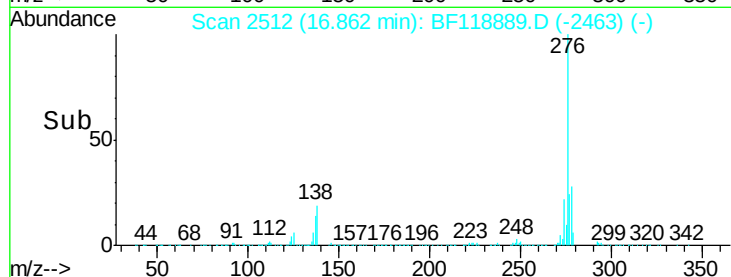
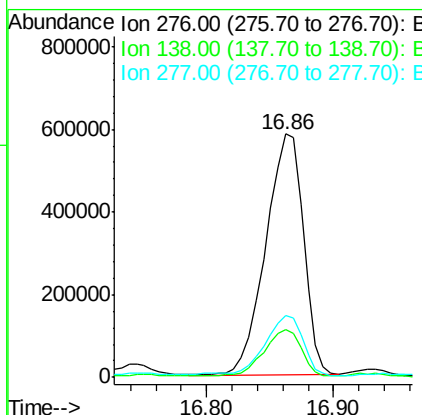
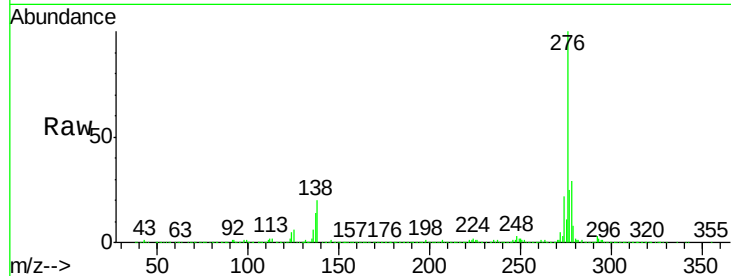
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 39.058 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BF118889.D
 Acq: 11 Feb 2020 17:40

Instrument :
 BNA_F
 ClientSampleId :
 TP7-EP1-1.5

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	19.3	18.3	27.5	
277	25.8	20.2	30.4	

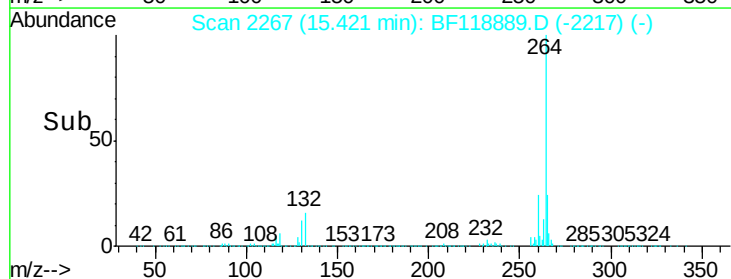
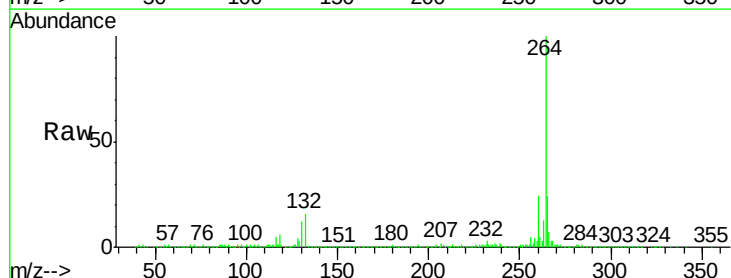
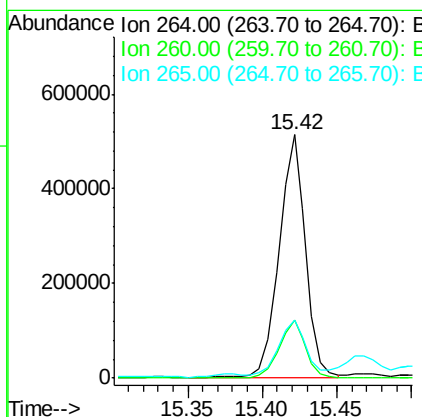
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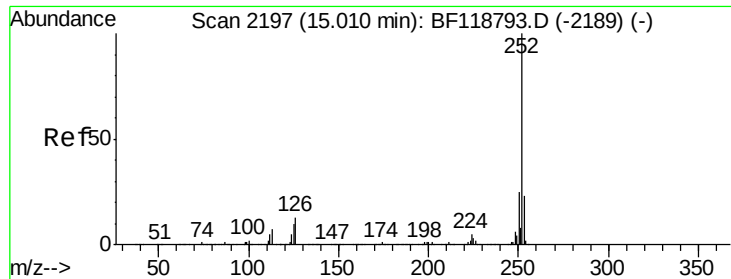
mohammad
 2/12/2020 3:50:52 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.01 min
 Lab File: BF118889.D
 Acq: 11 Feb 2020 17:40

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.0	19.1	28.7	
265	24.1	17.2	25.8	





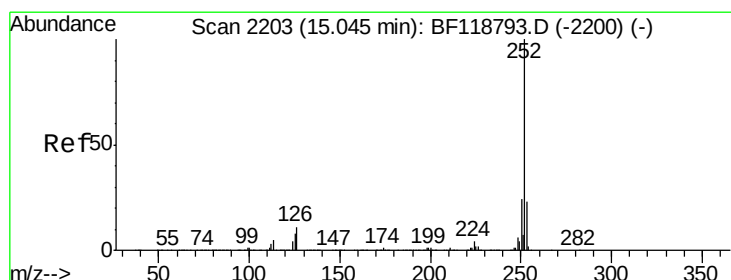
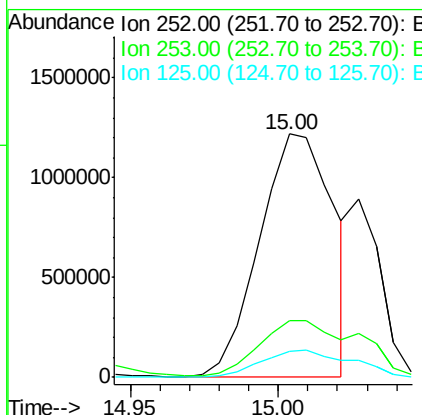
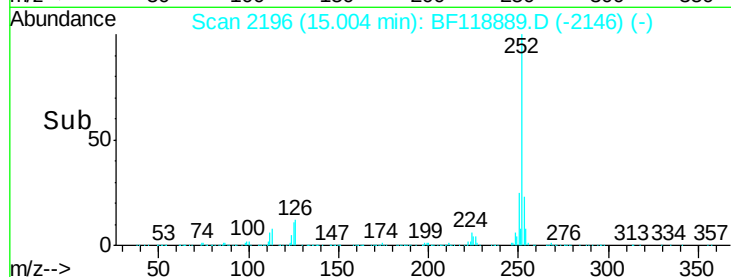
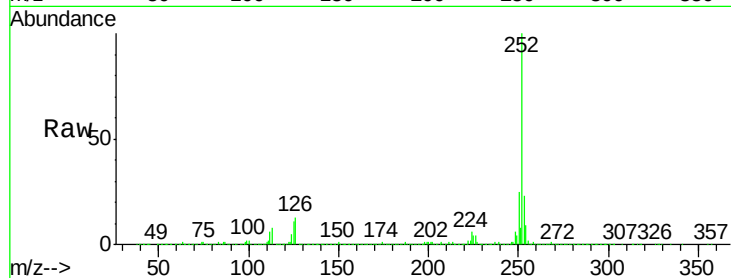
#88
Benzo(b)fluoranthene
Concen: 54.272 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	10.9	8.1	12.1

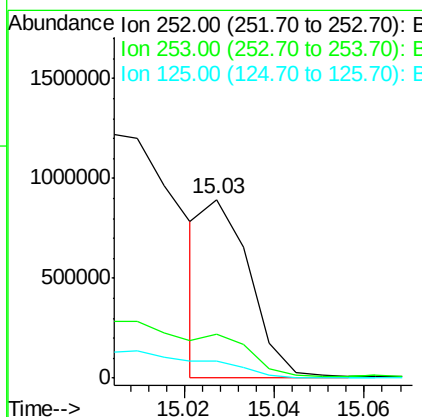
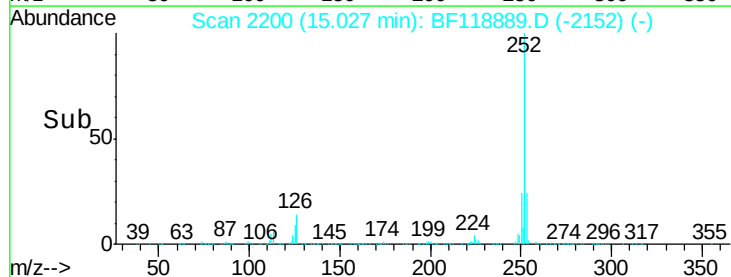
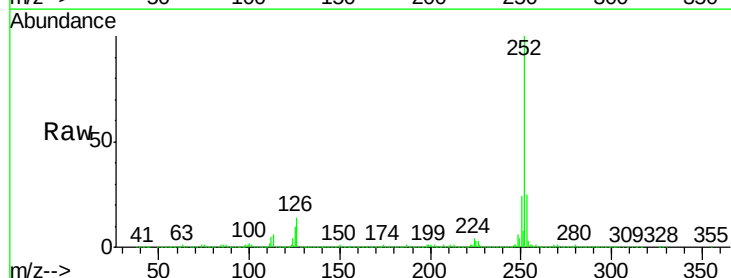
Manual Integrations
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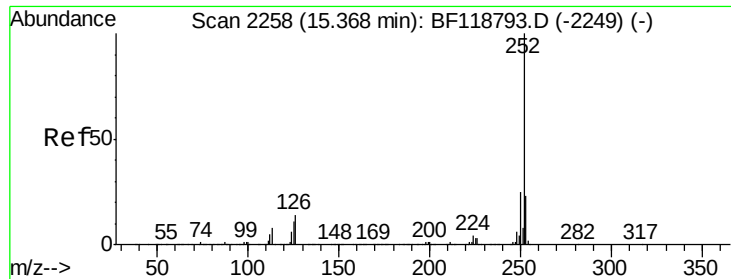
mohammad
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#89
Benzo(k)fluoranthene
Concen: 18.377 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	9.6	7.0	10.6





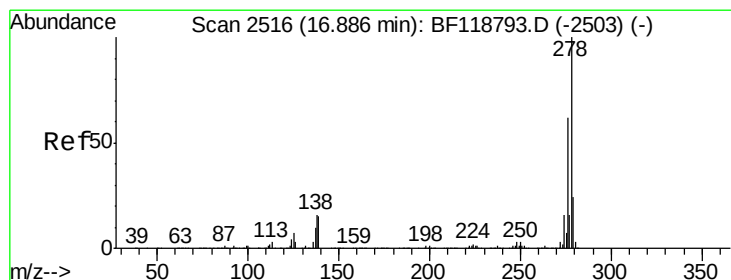
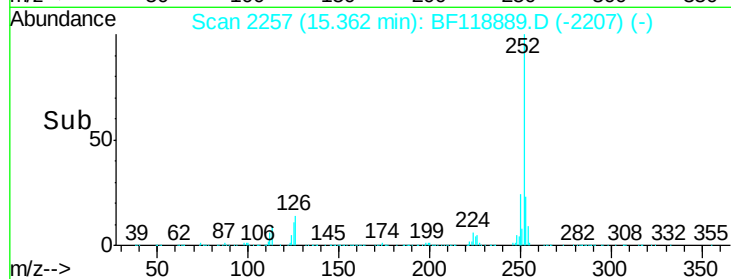
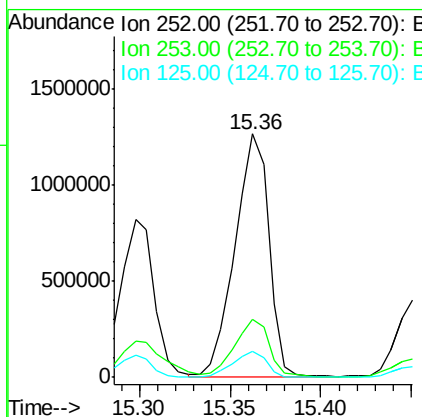
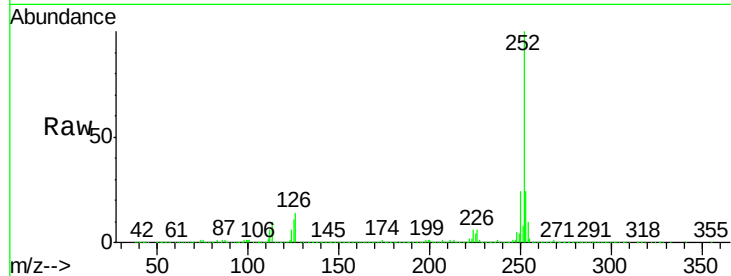
#90
Benzo(a)pyrene
Concen: 48.651 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Instrument :
BNA_F
ClientSampleId :
TP7-EP1-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	10.8	8.7	13.1

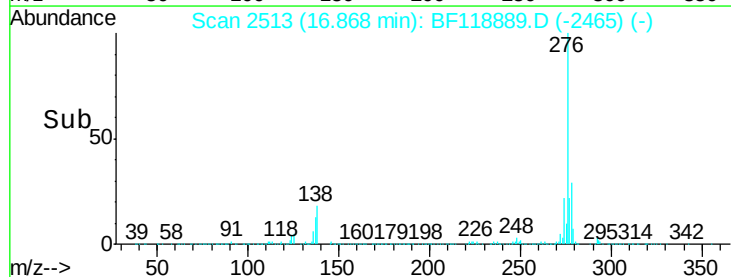
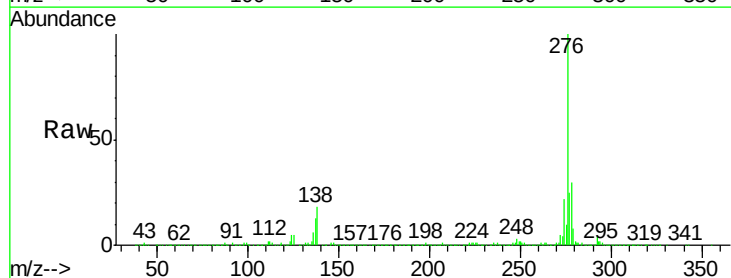
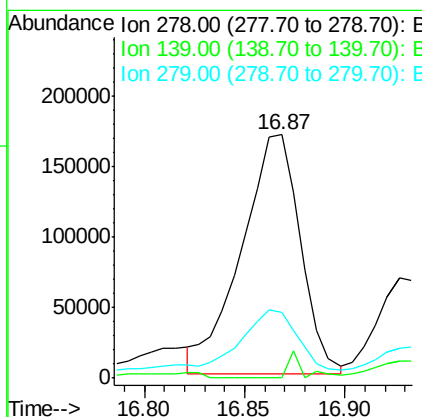
Manual Integrations
APPROVED

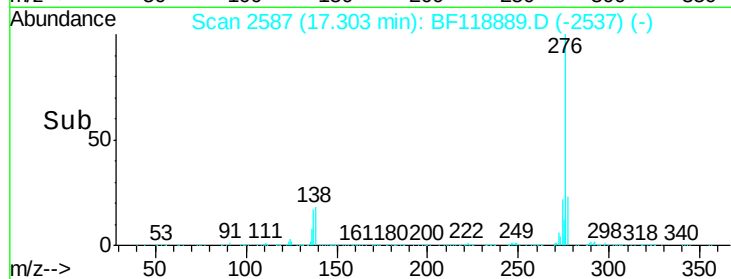
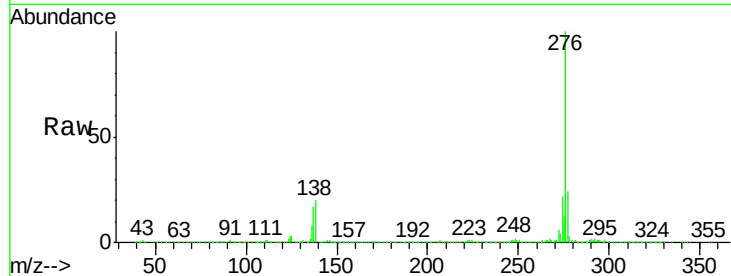
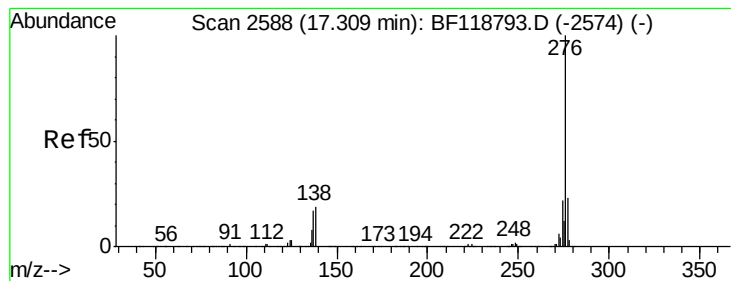
mohammad
2/12/2020 3:50:52 PM



#91
Dibenzo(a,h)anthracene
Concen: 11.633 ng m
RT: 16.87 min Scan# 2513
Delta R.T. -0.02 min
Lab File: BF118889.D
Acq: 11 Feb 2020 17:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.3	18.5#
279	26.9	19.1	28.7





#92

Benzo(a,h,i)perylene

Concen: 40.300 ng

RT: 17.30 min Scan# 2587

Delta R.T. -0.01 min

Lab File: BF118889.D

Acq: 11 Feb 2020 17:40

Tot Ion: 276 Resp: 1155680

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 19.8 15.4 23.2

Instrument :

BNA_F

ClientSampleId :

TP7-EP1-1.5

Manual Integrations

APPROVED

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