

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120083.D
 Acq On : 20 Apr 2020 17:45
 Operator : MA/SJ
 Sample : L2314-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-3-2

Manual Integrations
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Quant Time: Apr 21 01:30:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	151398	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	563108	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	273755	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	486909	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	310445	20.00	ng	-0.01
87) Perylene-d12	15.31	264	302305	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	970943	110.83	ng	0.00
7) Phenol-d6	6.36	99	1287558	114.06	ng	0.00
23) Nitrobenzene-d5	7.28	82	858167	78.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	310980	92.78	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1596958	82.82	ng	0.00
79) Terphenyl-d14	12.84	244	1507451	81.71	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Acetophenone	7.12	105	32560	2.469	ng	# 87
31) Naphthalene	8.02	128	90027	3.039	ng	99
49) Acenaphthylene	9.62	152	57152	2.111	ng	97
50) Dimethylphthalate	9.47	163	238686	11.272	ng	98
71) Phenanthrene	11.26	178	179495	6.927	ng	100
72) Anthracene	11.32	178	60018	2.267	ng	98
75) Fluoranthene	12.46	202	257531	9.210	ng	95
78) Pyrene	12.68	202	241690	9.235	ng	99
81) Benzo(a)anthracene	13.87	228	151307m	7.409	ng	
83) Chrysene	13.91	228	137601	6.631	ng	96
86) Indeno(1,2,3-cd)pyrene	16.69	276	145407	7.949	ng	99
88) Benzo(b)fluoranthene	14.90	252	237831m	10.936	ng	
89) Benzo(k)fluoranthene	14.93	252	59121m	3.151	ng	
90) Benzo(a)pyrene	15.25	252	203735	11.142	ng	99
91) Dibenzo(a,h)anthracene	16.70	278	36379	2.246	ng	# 87
92) Benzo(g,h,i)perylene	17.11	276	145203	9.082	ng	98

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

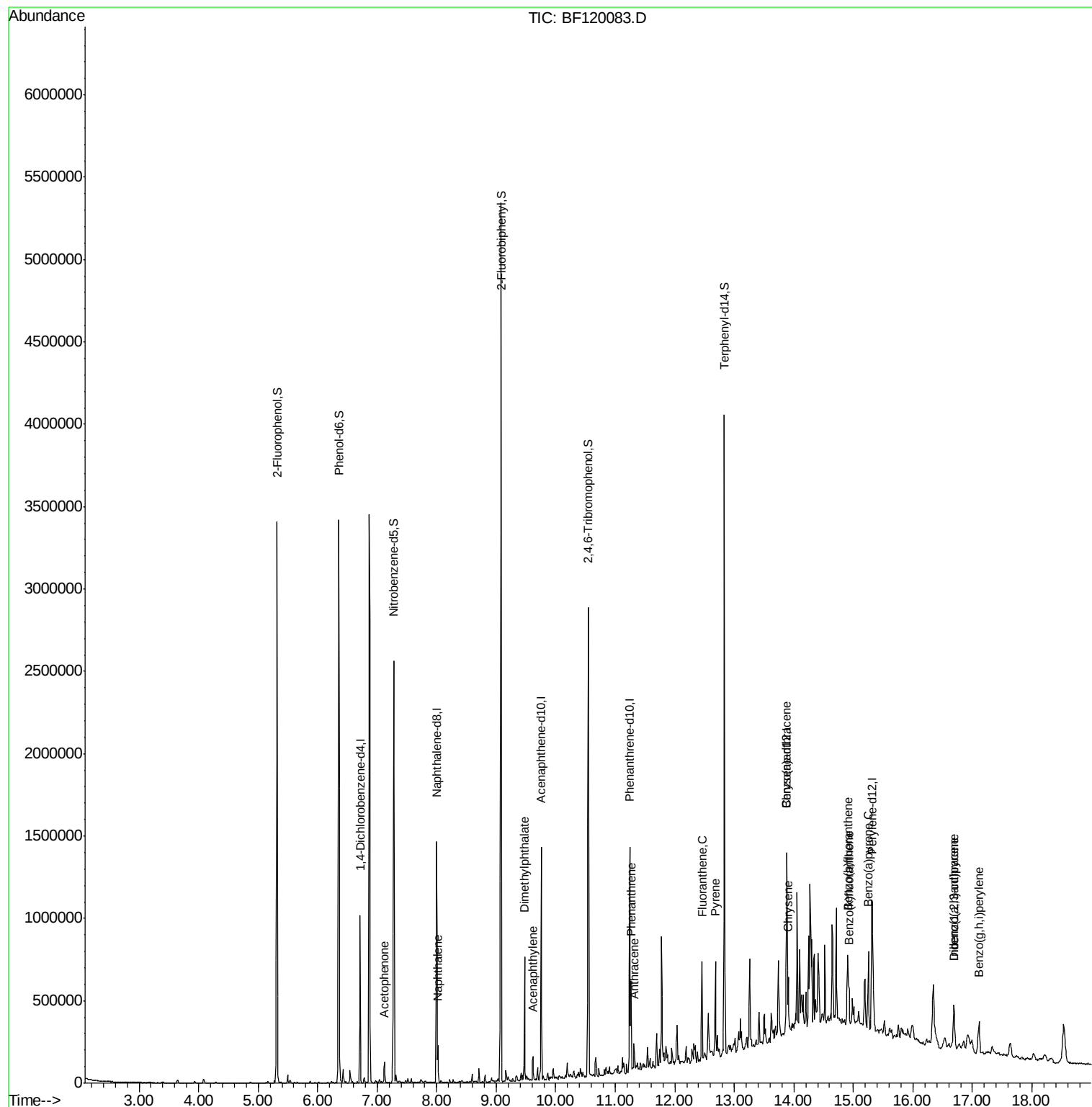
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
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ALS Vial : 12 Sample Multiplier: 1

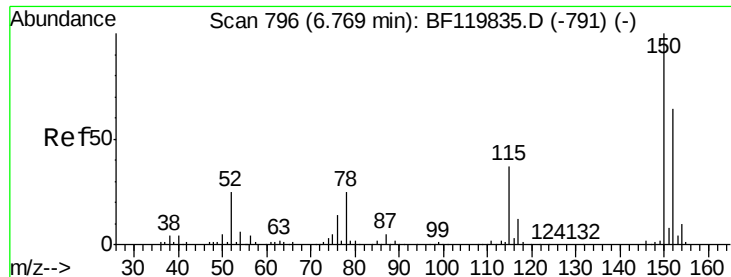
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#1

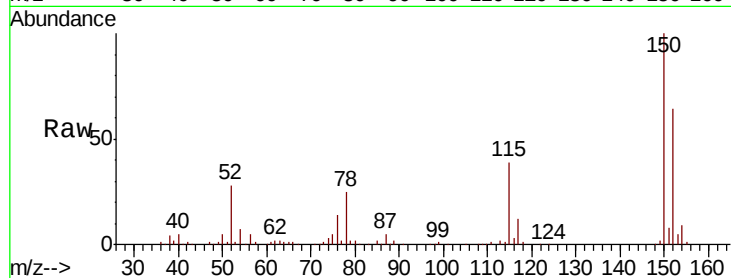
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :
WB-3-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.8	187.2
115	61.2	46.5	69.7

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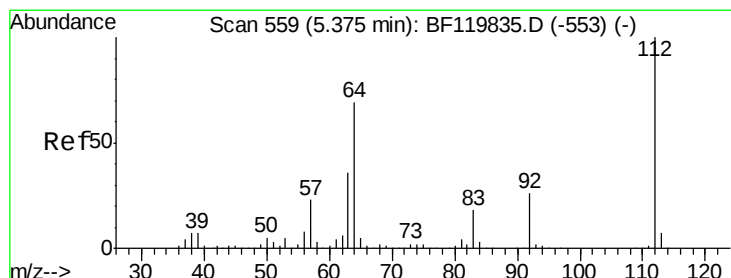
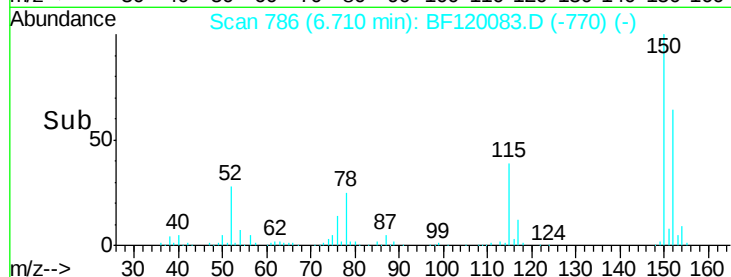
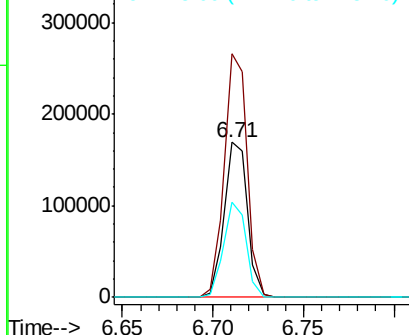


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

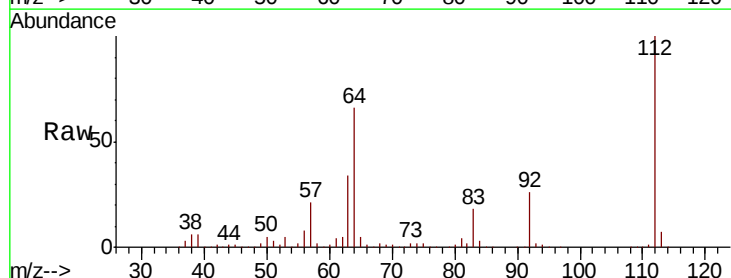
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.832 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	55.5	83.3
63	33.9	29.1	43.7

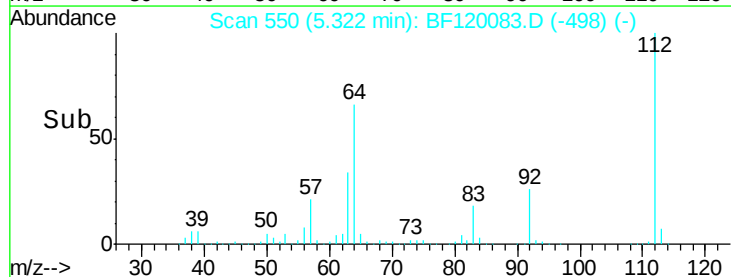
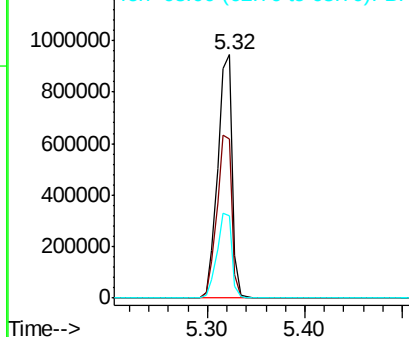


Abundance

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: 114.061 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Instrument :

BNA_F

ClientSampleId :

WB-3-2

Tot Ion: 99 Resp: 1287558

Ion Ratio Lower Upper

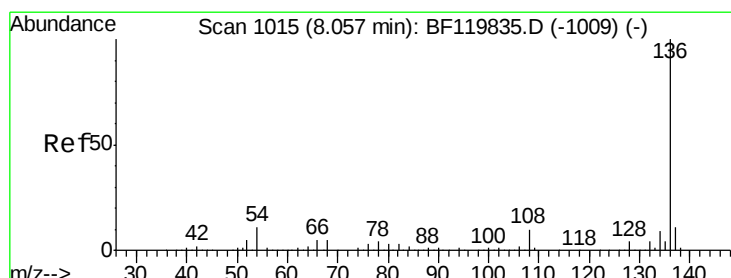
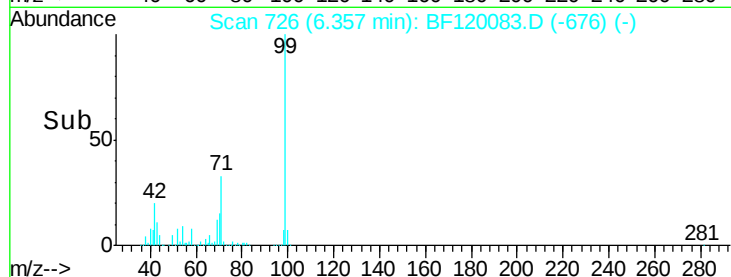
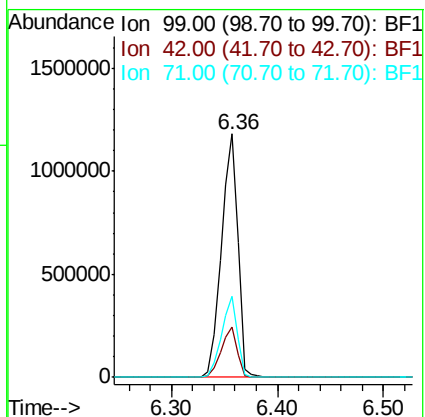
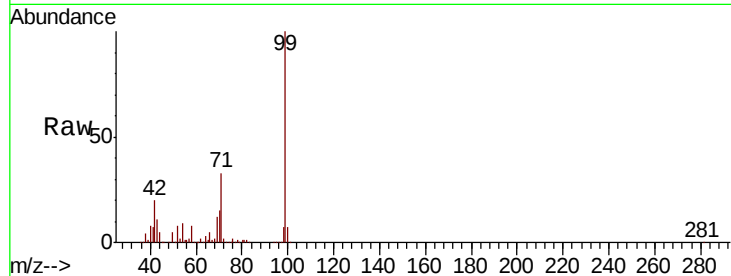
99 100

42 20.5 16.9 25.3

71 33.1 26.3 39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Tgt Ion: 136 Resp: 563108

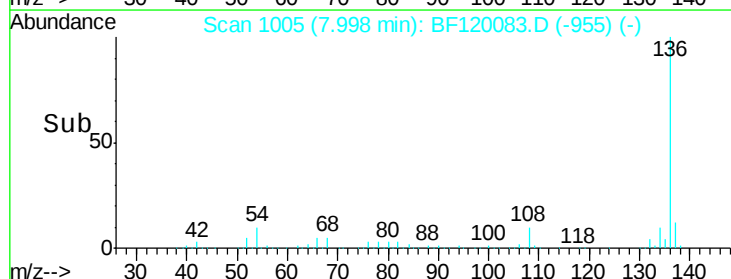
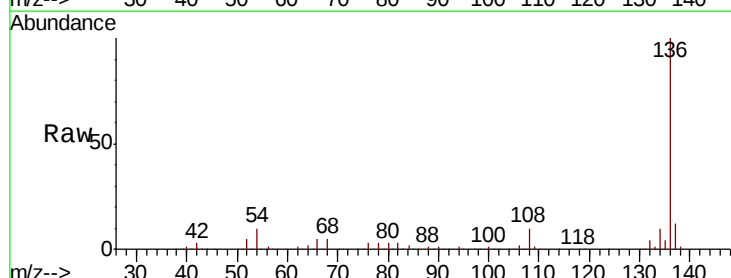
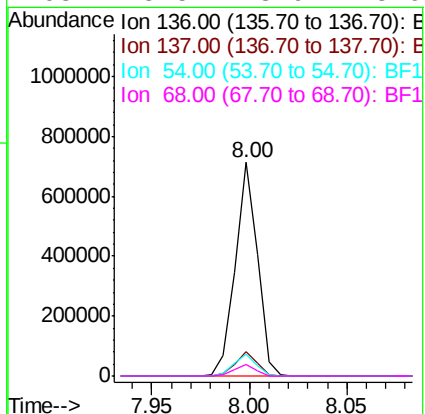
Ion Ratio Lower Upper

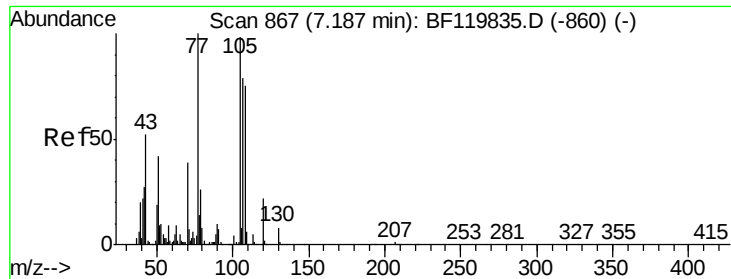
136 100

137 11.5 8.7 13.1

54 10.4 8.5 12.7

68 5.5 3.9 5.9





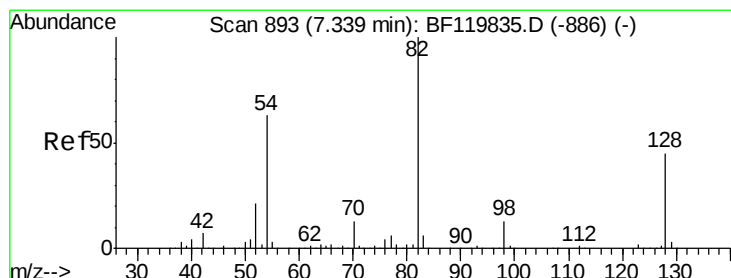
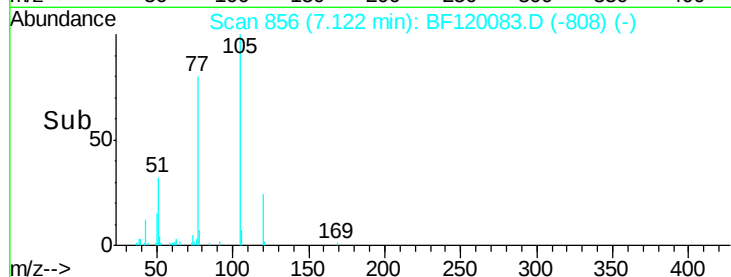
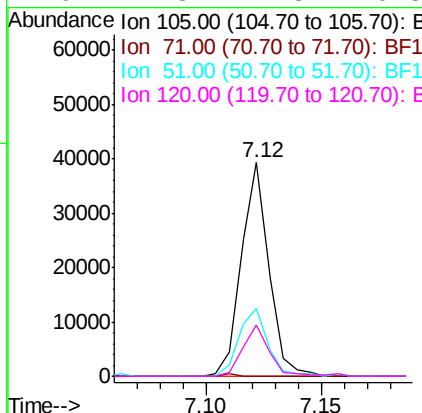
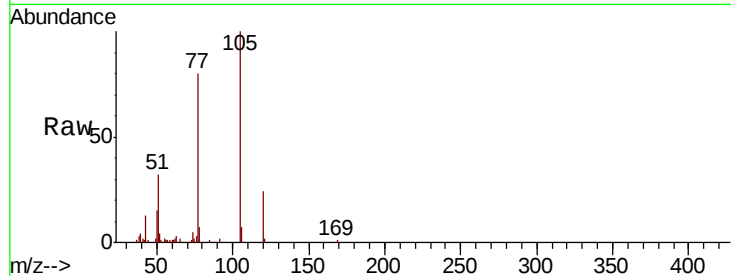
#22
Acetophenone
Concen: 2.469 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :
WB-3-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100			
71	71	0.0	5.6	8.4#	
51	51	31.9	33.9	50.9#	
120	120	24.3	17.8	26.8	

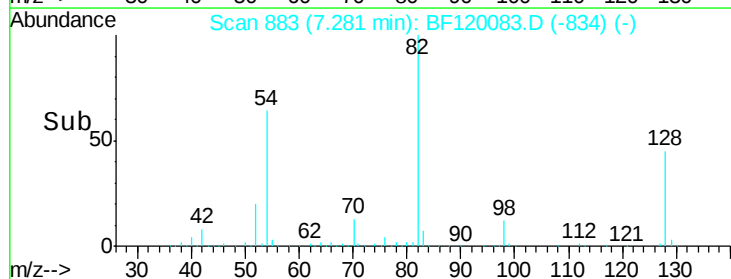
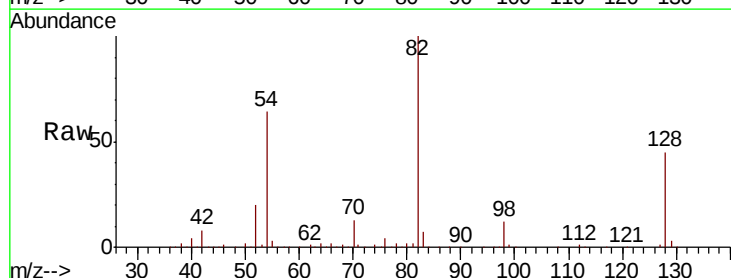
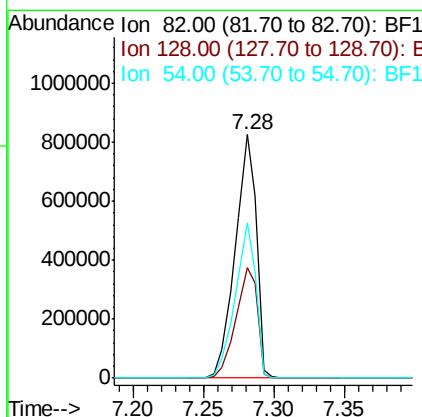
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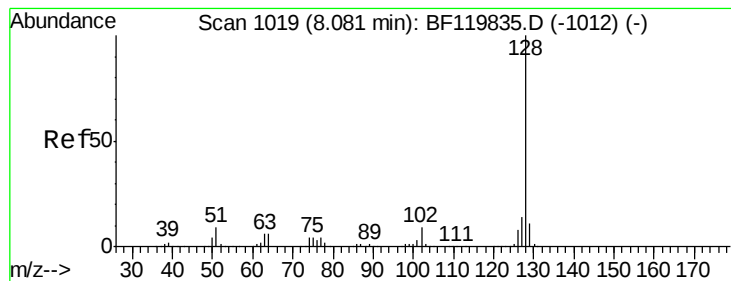
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#23
Nitrobenzene-d5
Concen: 78.841 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	82	100			
128	128	45.2	36.2	54.4	
54	54	64.0	50.4	75.6	





#31

Naphthalene

Concen: 3.039 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Instrument :

BNA_F

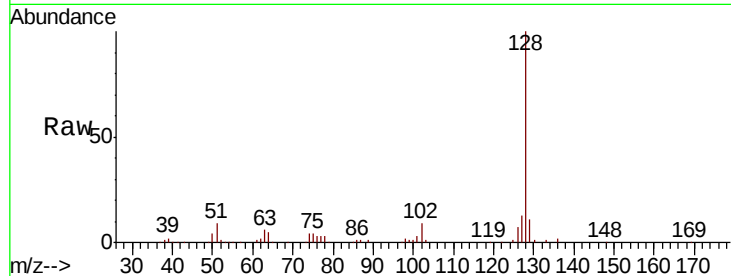
ClientSampleId :

WB-3-2

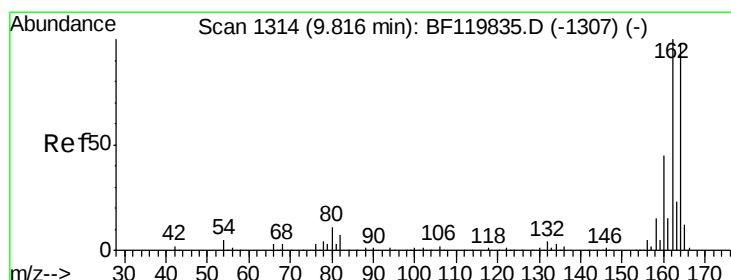
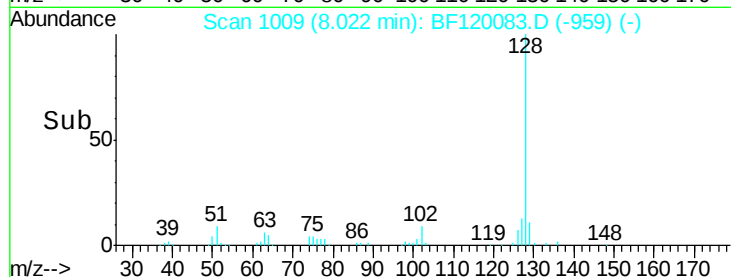
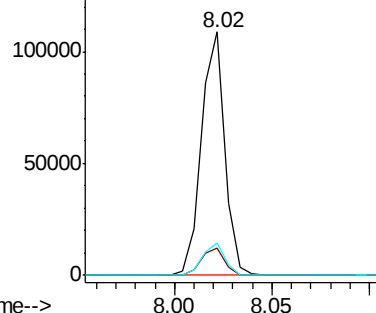
Tot Ion:	128	Resp:	90027
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.2	11.0	16.4

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

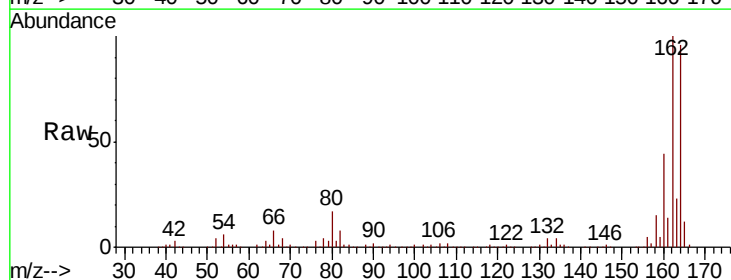
RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

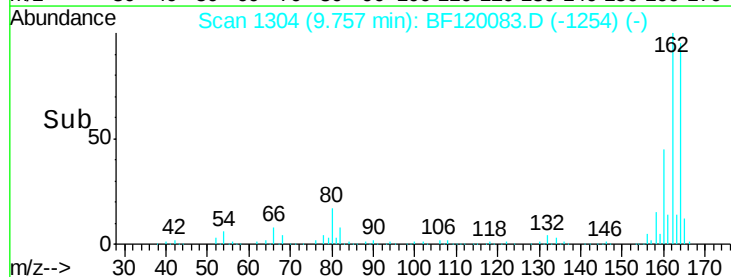
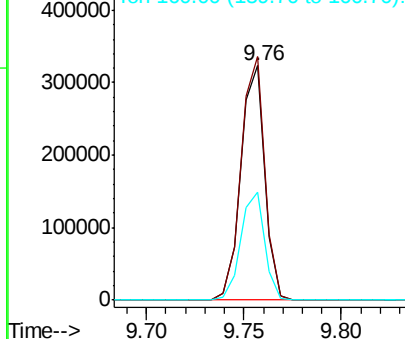
Lab File: BF120083.D

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Tgt Ion:	164	Resp:	273755
Ion Ratio	Lower	Upper	
164	100		
162	104.0	81.9	122.9
160	46.2	36.6	54.8



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





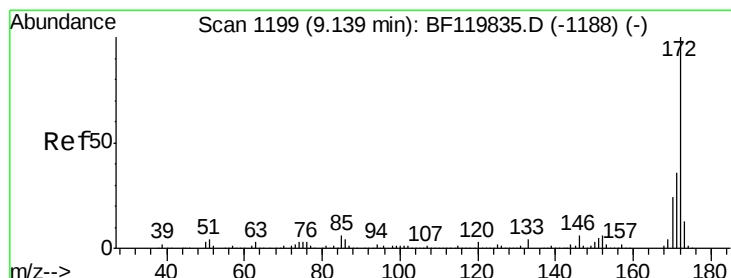
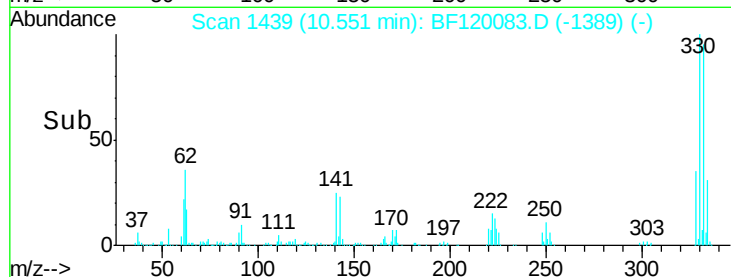
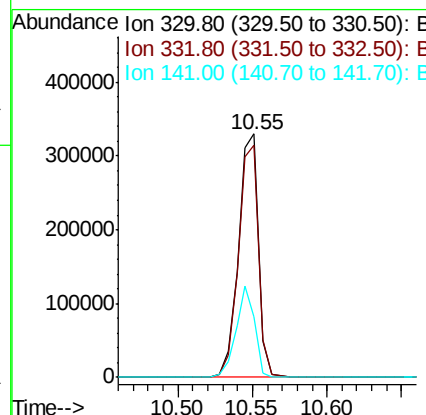
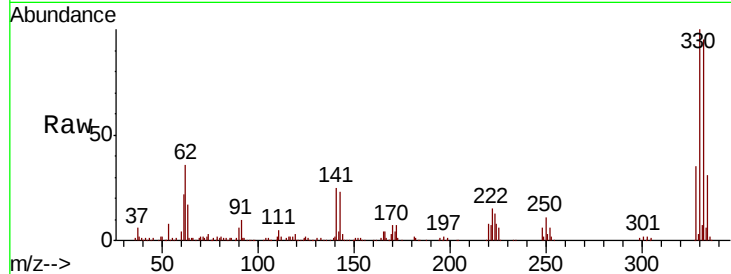
#42
 2,4,6-Tribromophenol
 Concen: 92.783 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120083.D
 Acq: 20 Apr 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :
 WB-3-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	310980		
332	96.8	76.8	115.2	
141	34.9	25.1	37.7	

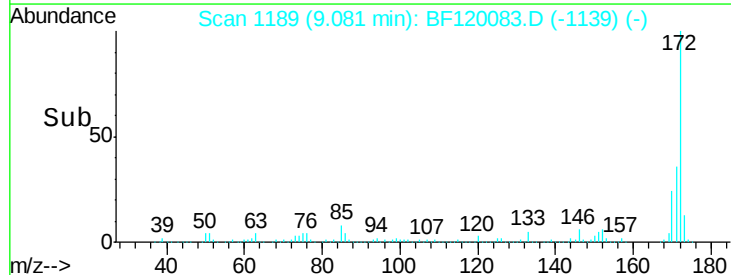
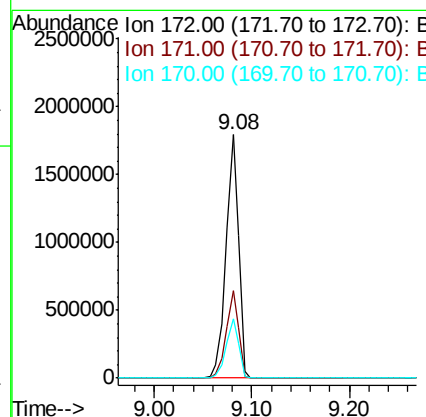
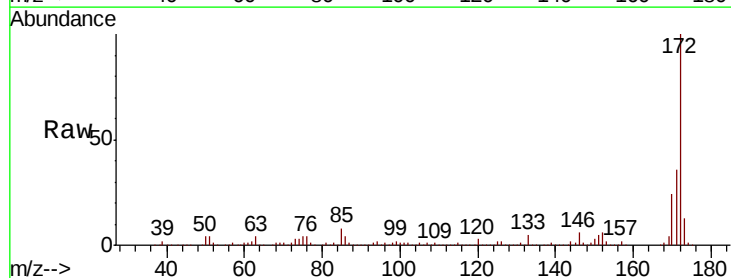
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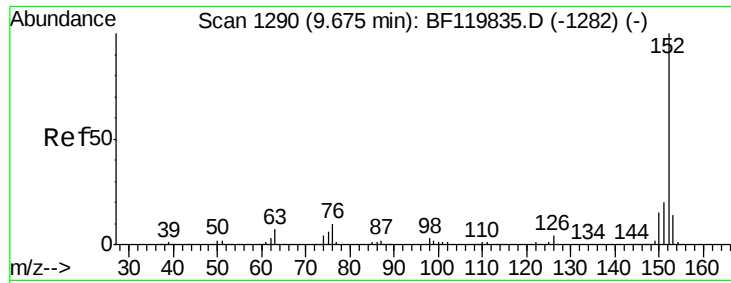
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#45
 2-Fluorobiphenyl
 Concen: 82.823 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF120083.D
 Acq: 20 Apr 2020 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1596958		
171	36.0	28.9	43.3	
170	24.1	19.4	29.2	





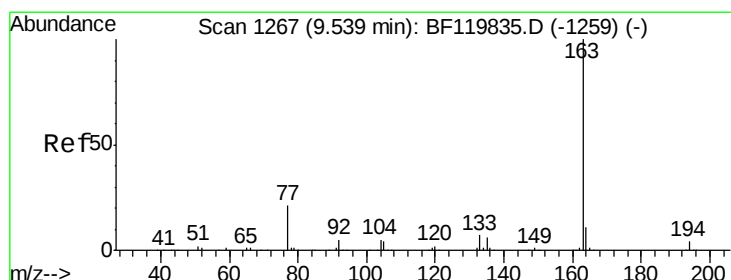
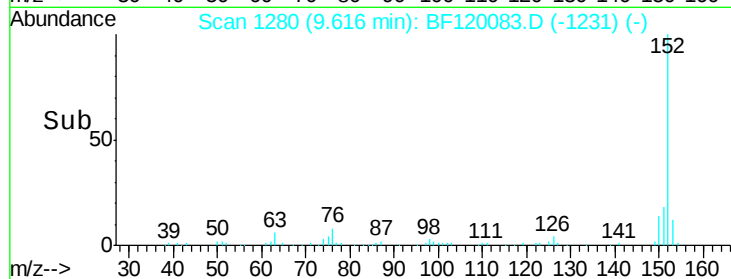
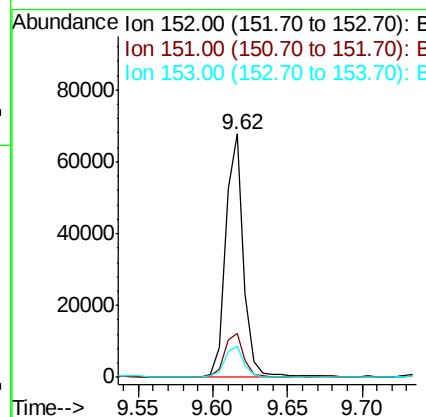
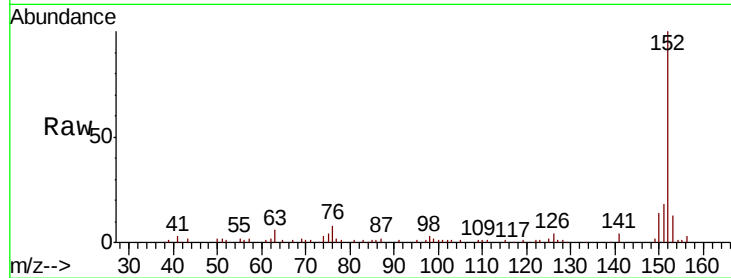
#49
Acenaphthylene
Concen: 2.111 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :
WB-3-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.2	24.4
153	13.0	10.9	16.3

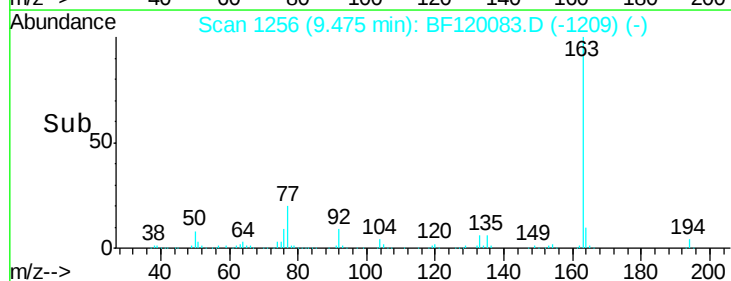
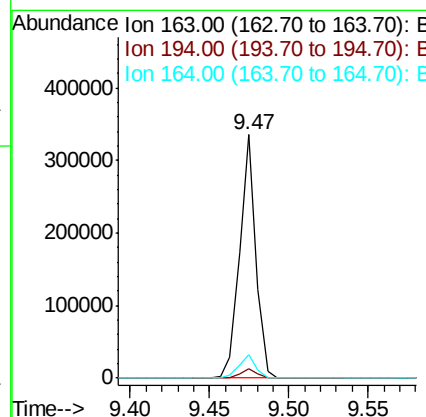
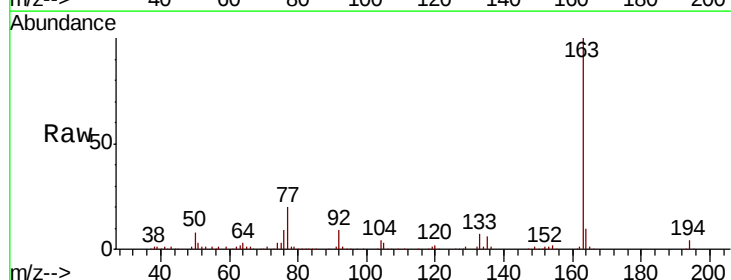
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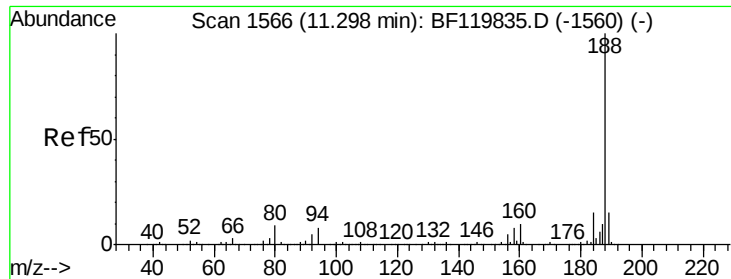
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#50
Dimethylphthalate
Concen: 11.272 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	9.7	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Instrument :

BNA_F

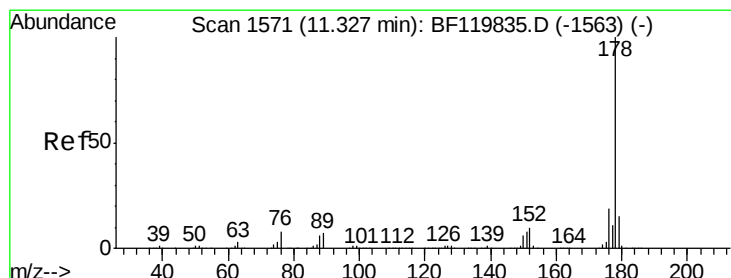
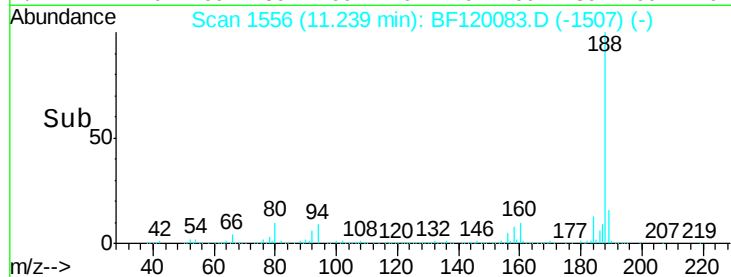
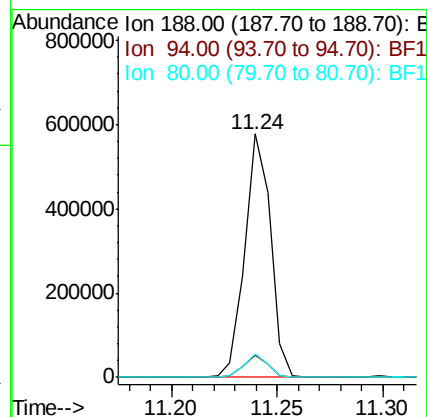
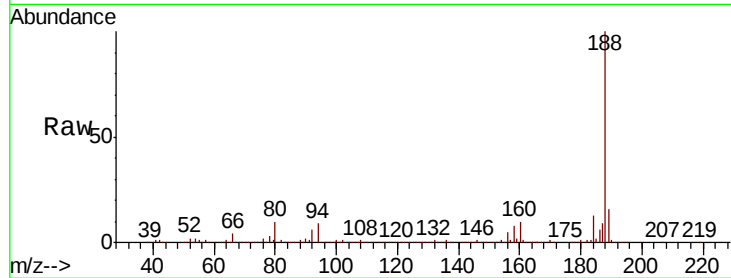
ClientSampleId :

WB-3-2

Tot Ion:	188	Resp:	486909
Ion Ratio	Lower	Upper	
188	100		
94	9.0	6.7	10.1
80	9.7	7.4	11.2

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#71

Phenanthrene

Concen: 6.927 ng

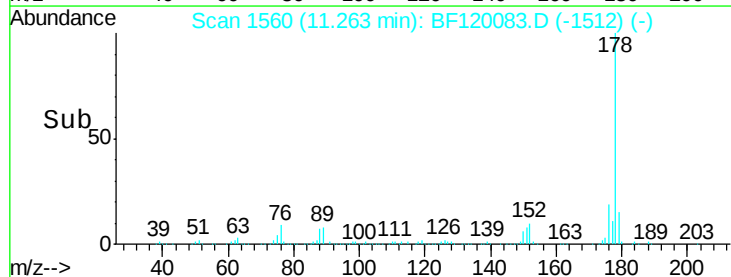
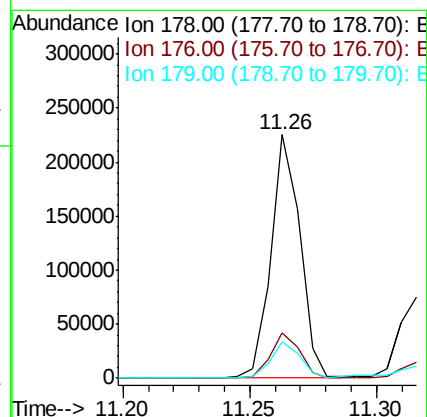
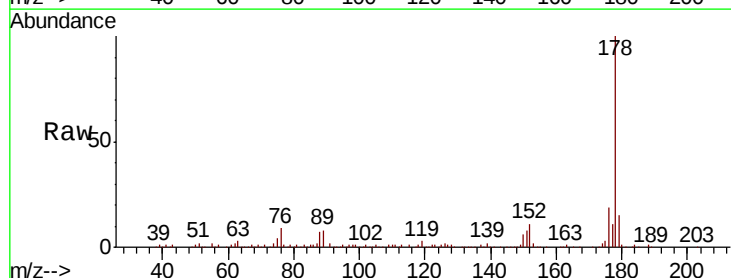
RT: 11.26 min Scan# 1560

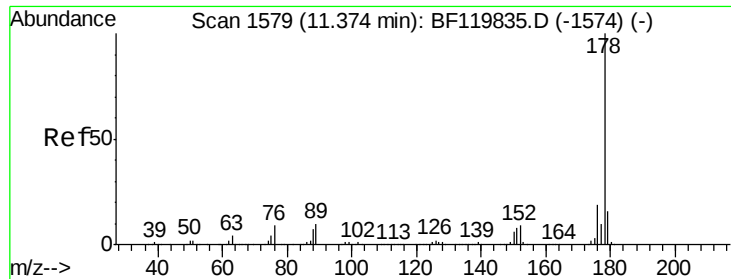
Delta R.T. -0.02 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Tgt Ion:	178	Resp:	179495
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.1	22.7
179	15.1	12.2	18.4





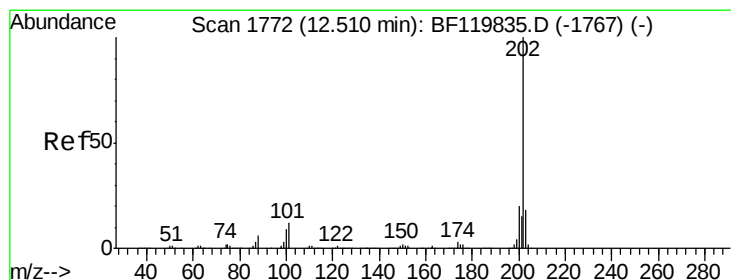
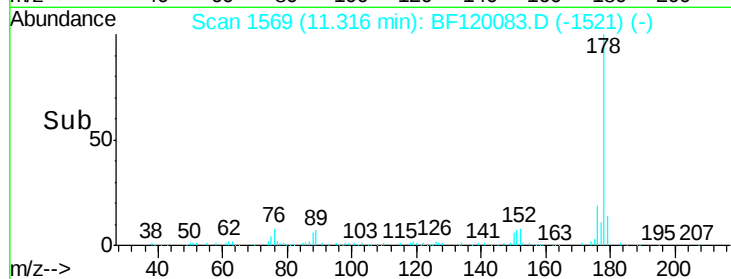
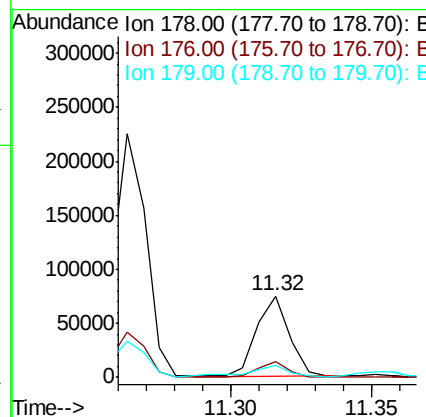
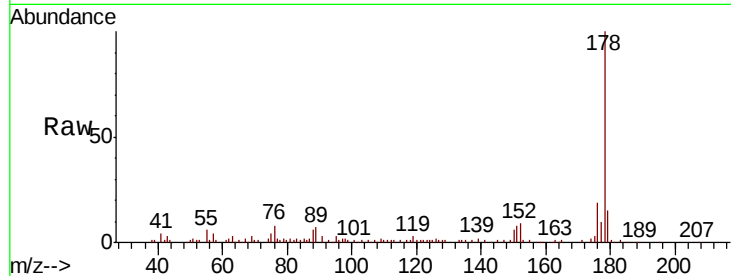
#72
 Anthracene
 Concen: 2.267 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF120083.D
 Acq: 20 Apr 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :
 WB-3-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.1	12.8	19.2

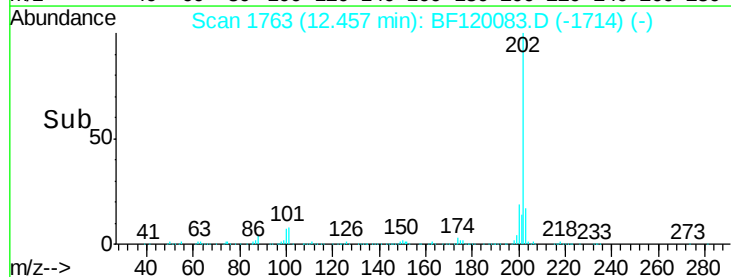
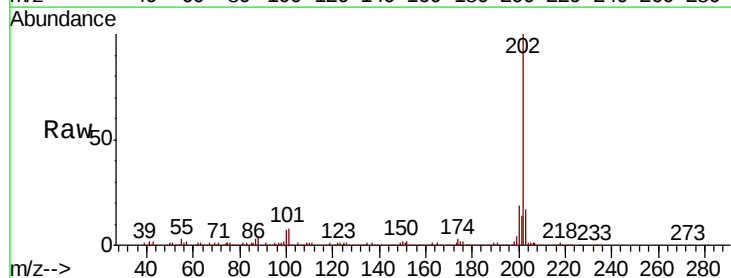
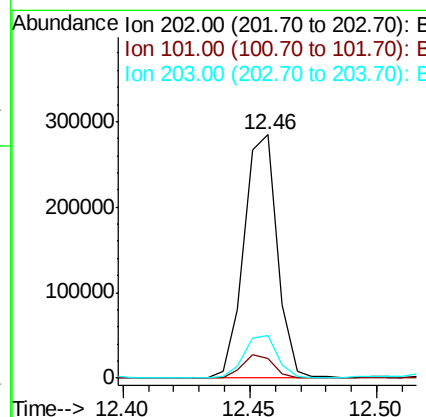
Manual Integrations
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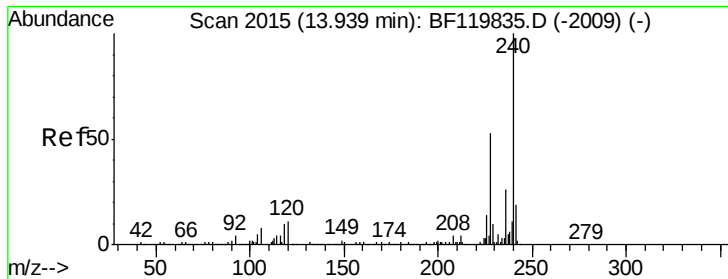
mohammad
 4/21/2020 2:54:58 PM



#75
 Fluoranthene
 Concen: 9.210 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF120083.D
 Acq: 20 Apr 2020 17:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	32.3
203	17.4	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Instrument :

BNA_F

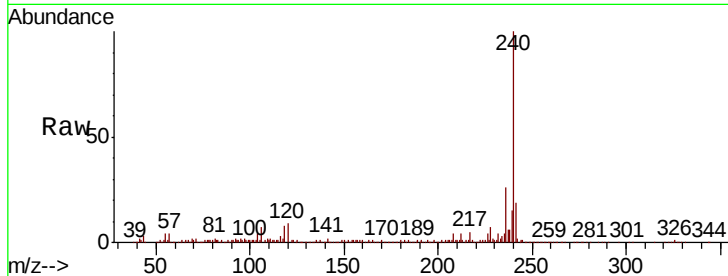
ClientSampleId :

WB-3-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.0	13.6#
236	26.3	20.7	31.1

Manual Integrations
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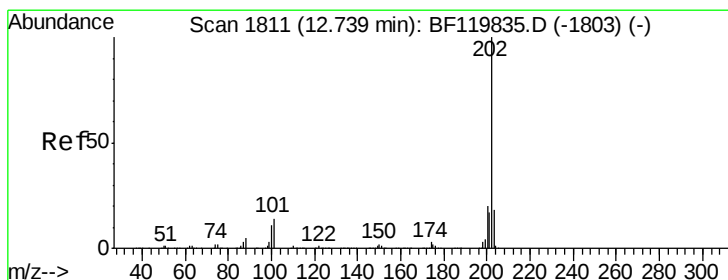
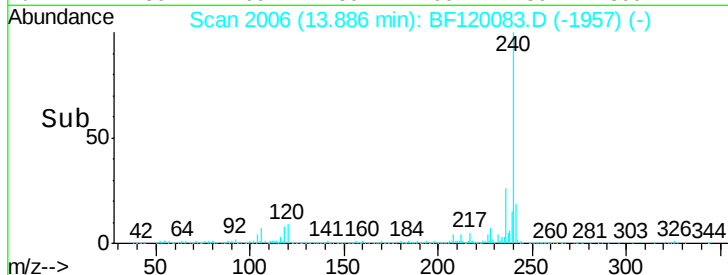
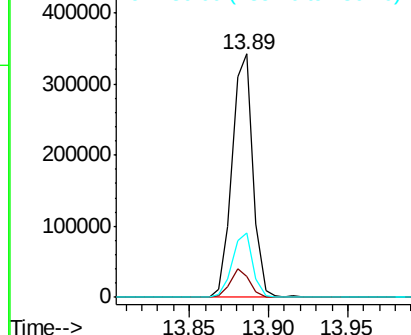
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 9.235 ng

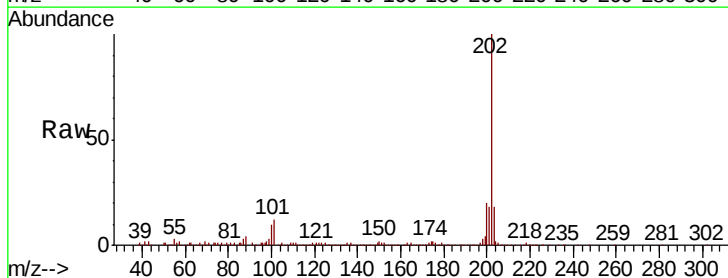
RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

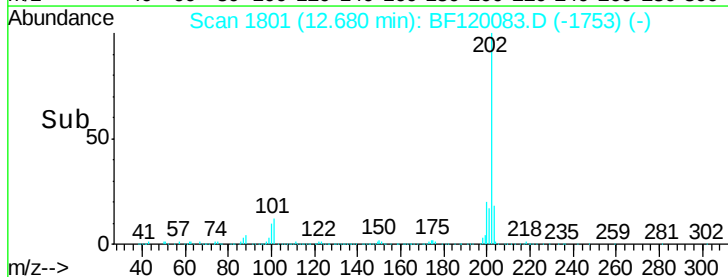
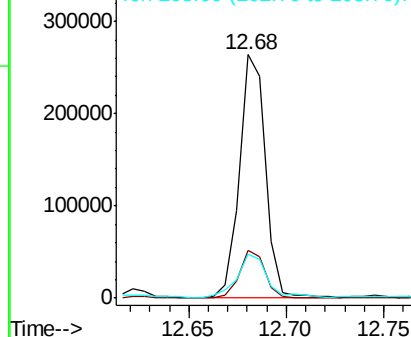
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	18.2	14.1	21.1

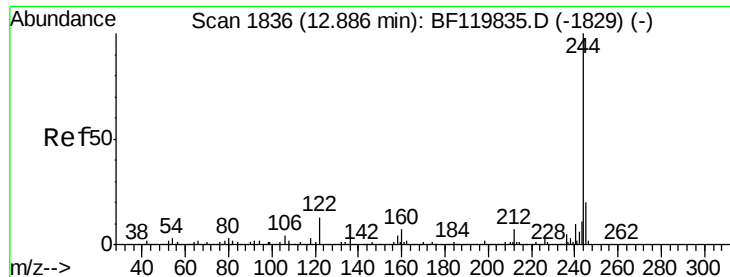


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





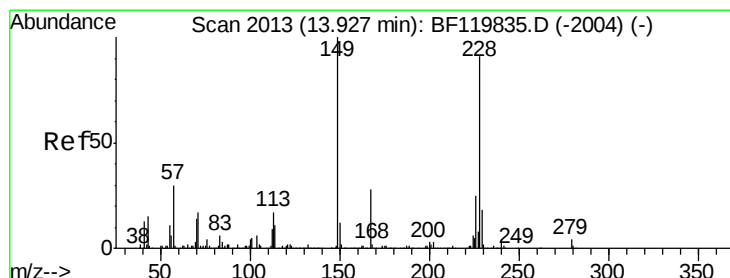
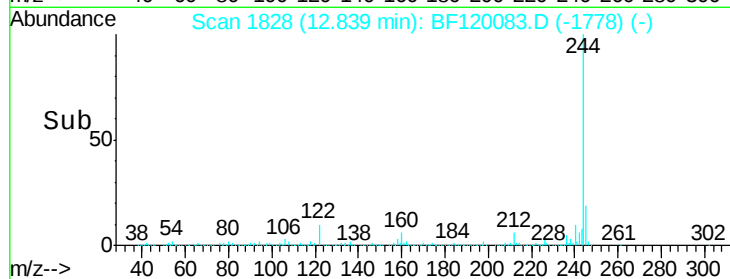
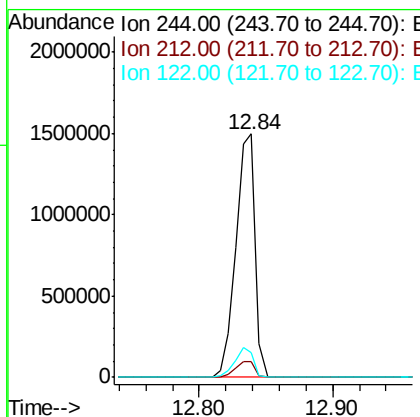
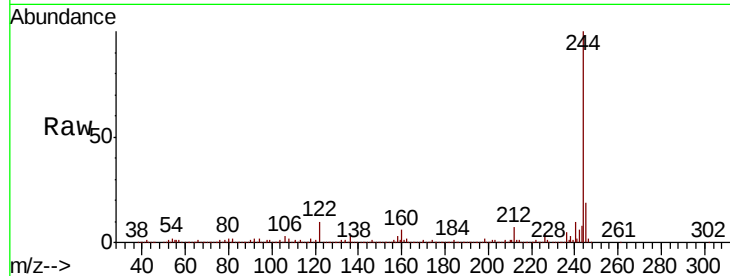
#79
 Terphenyl-d14
 Concen: 81.706 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF120083.D
 Acq: 20 Apr 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :
 WB-3-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.0	10.3	15.5#

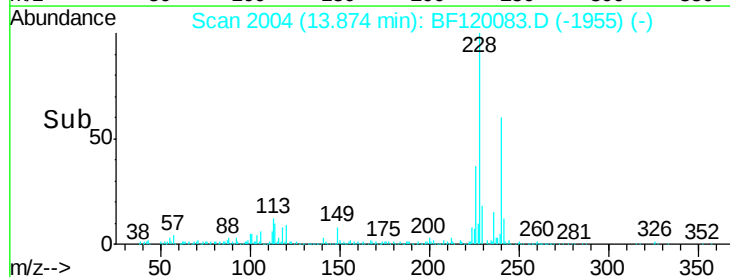
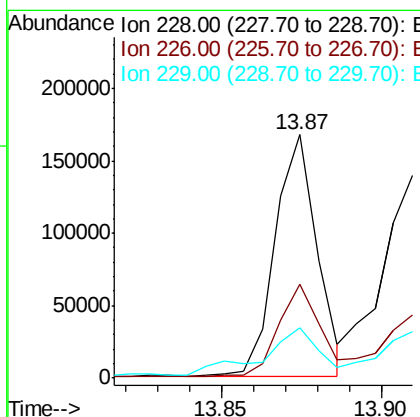
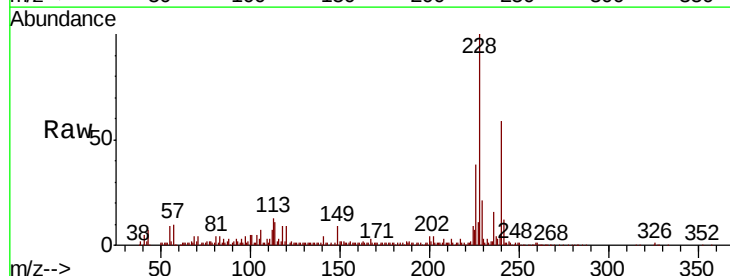
Manual Integrations
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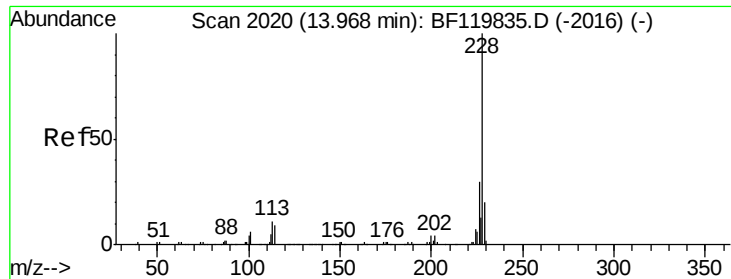
mohammad
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#81
 Benzo(a)anthracene
 Concen: 7.409 ng m
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF120083.D
 Acq: 20 Apr 2020 17:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.5	21.9	32.9#
229	20.7	15.9	23.9





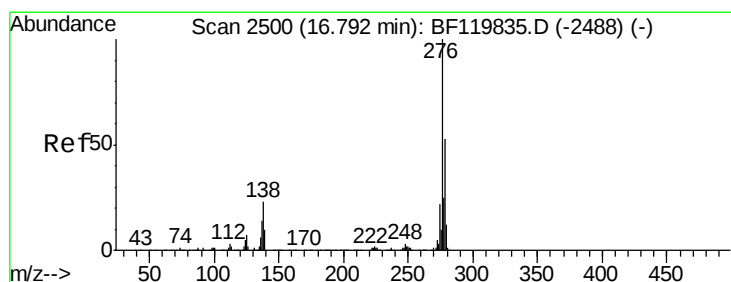
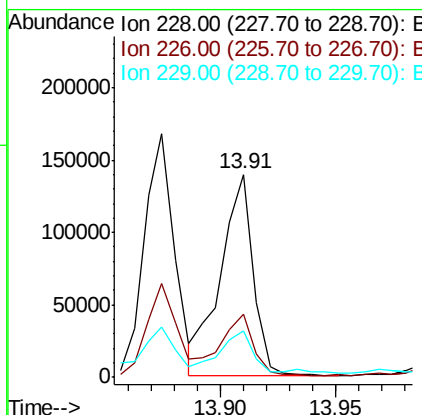
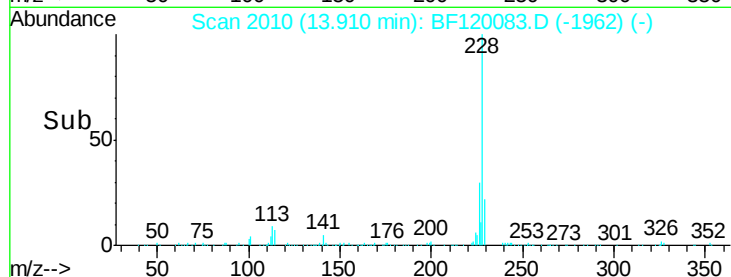
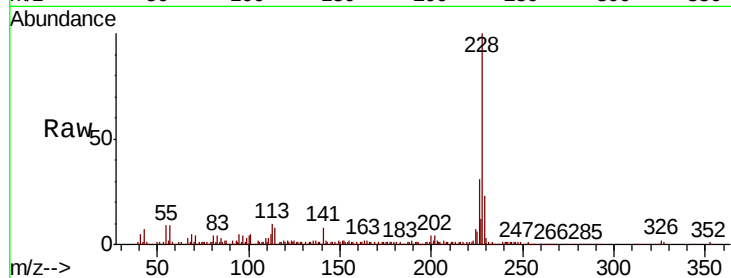
#83
Chrysene
Concen: 6.631 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :
WB-3-2

Tot Ion:	228	Resp:	137601
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.2	36.2
229	23.1	15.9	23.9

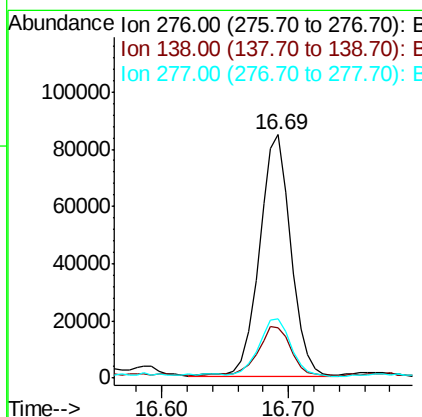
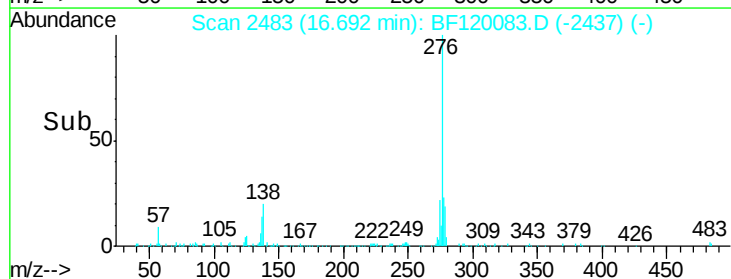
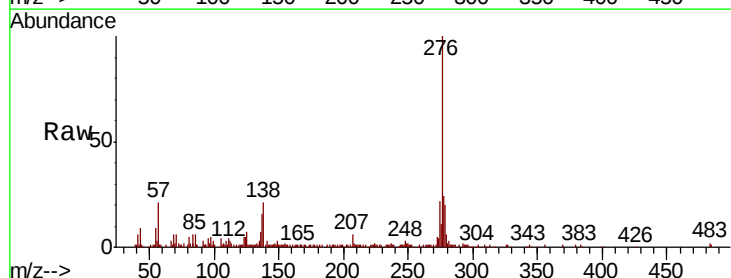
Manual Integrations
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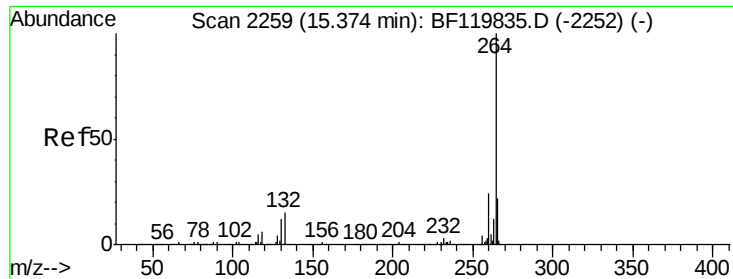
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.949 ng
RT: 16.69 min Scan# 2483
Delta R.T. -0.03 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Tgt Ion:	276	Resp:	145407
Ion Ratio	Lower	Upper	
276	100		
138	21.4	18.0	27.0
277	24.9	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Instrument :

BNA_F

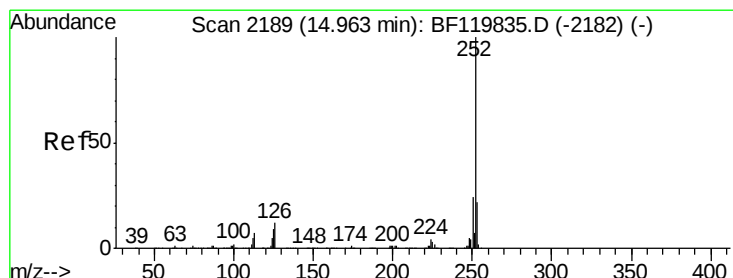
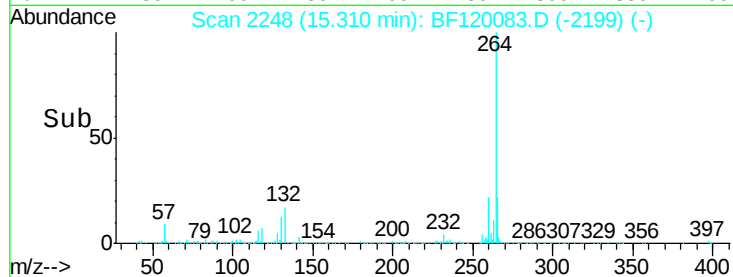
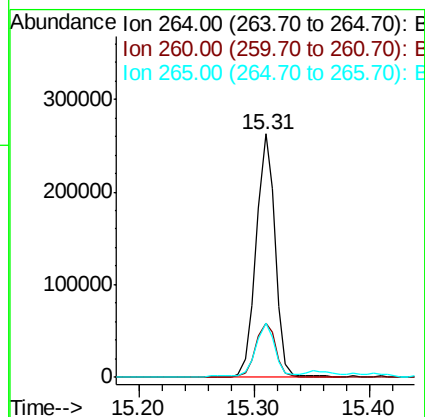
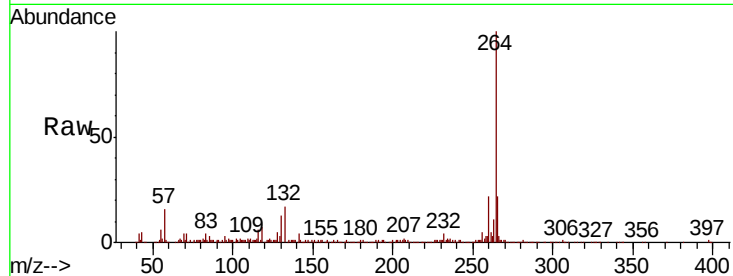
ClientSampleId :

WB-3-2

Tot Ion:	264	Resp:	302305
Ion Ratio		Lower	Upper
264	100		
260	22.4	19.3	28.9
265	22.2	17.6	26.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 10.936 ng m

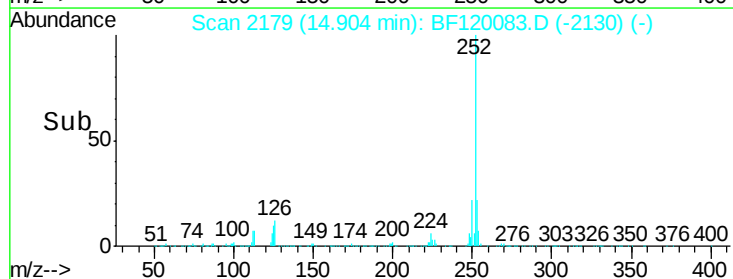
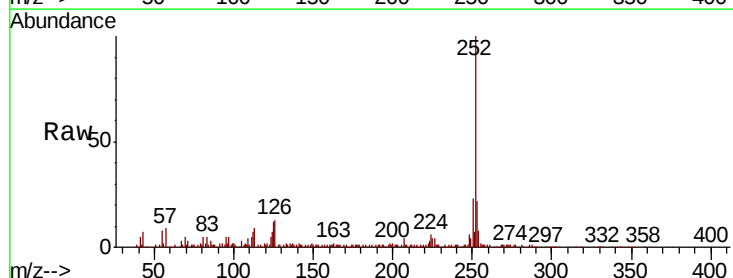
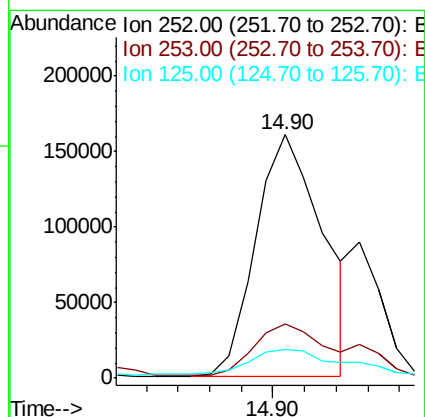
RT: 14.90 min Scan# 2179

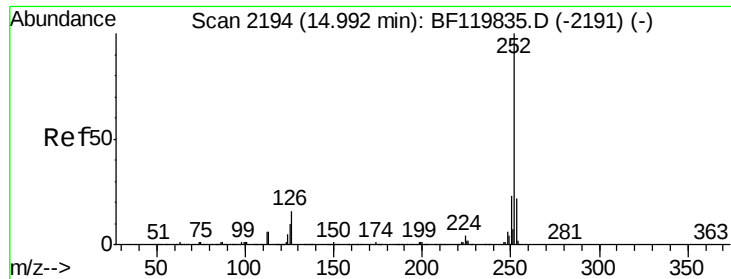
Delta R.T. -0.01 min

Lab File: BF120083.D

Acq: 20 Apr 2020 17:45

Tgt Ion:	252	Resp:	237831
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.7	7.4	11.2#





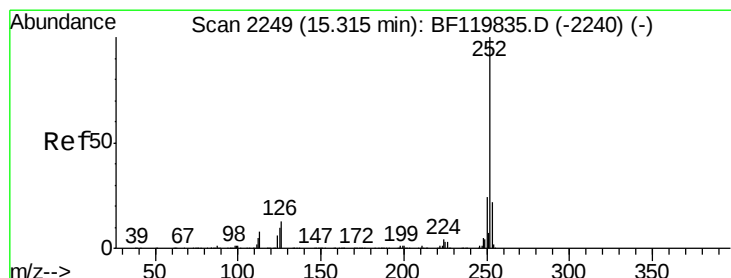
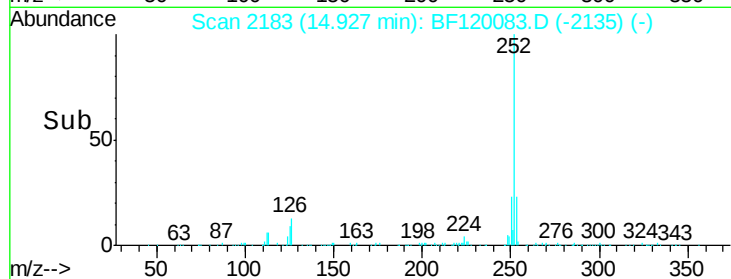
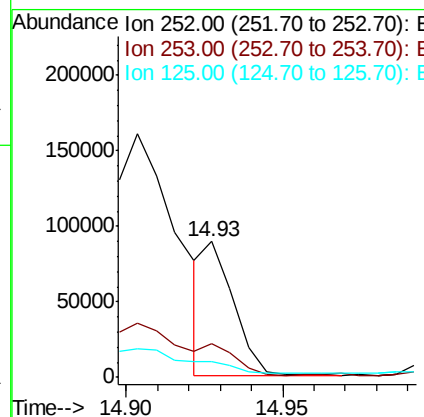
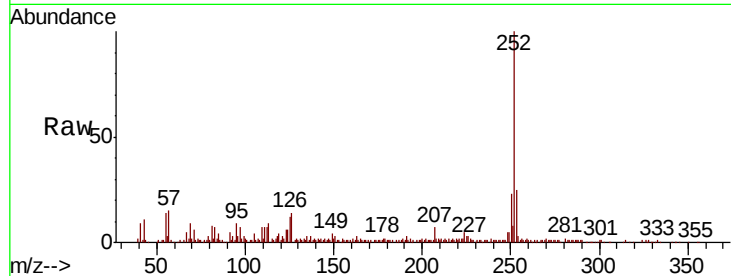
#89
Benzo(k)fluoranthene
Concen: 3.151 ng/mL
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :
WB-3-2

Tot Ion:	252	Resp:	59121
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.8
125	11.7	7.7	11.5

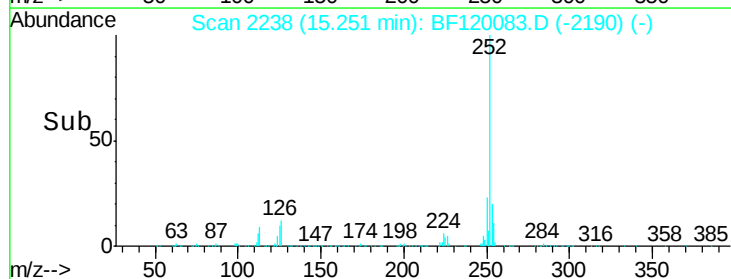
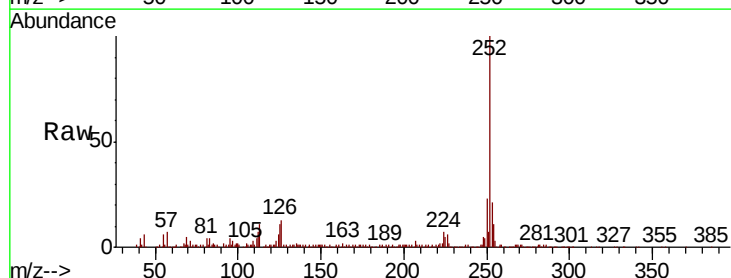
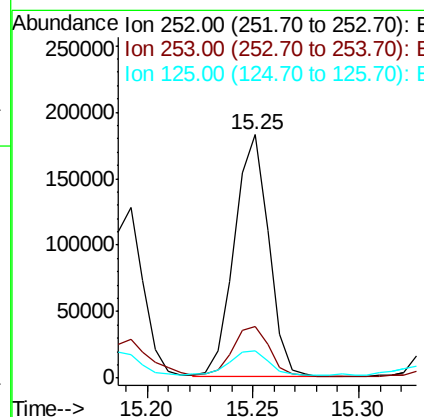
Manual Integrations
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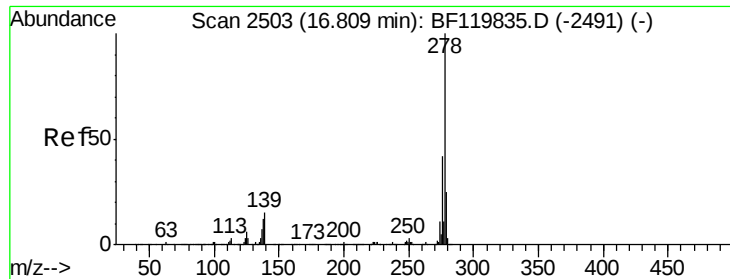
mohammad
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#90
Benzo(a)pyrene
Concen: 11.142 ng/mL
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Tgt Ion:	252	Resp:	203735
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.4	26.2
125	11.0	8.3	12.5





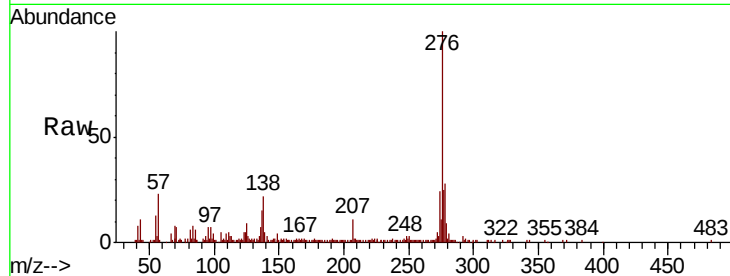
#91
Dibenzo(a,h)anthracene
Concen: 2.246 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.04 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :
WB-3-2

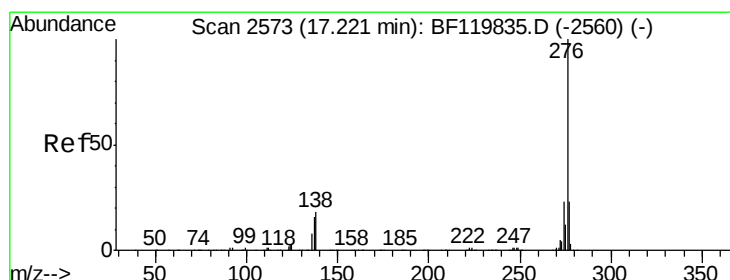
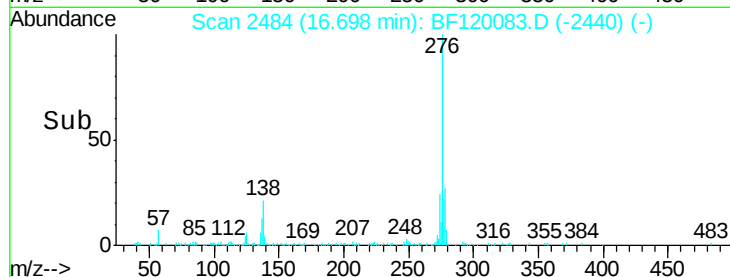
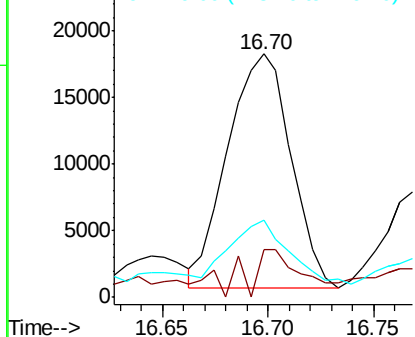
Tot Ion:	278	Resp:	36379
Ion Ratio	Lower	Upper	
278	100		
139	19.5	11.6	17.4#
279	31.6	19.7	29.5#

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.082 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.04 min
Lab File: BF120083.D
Acq: 20 Apr 2020 17:45

Tgt Ion:	276	Resp:	145203
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.5	27.7
138	20.6	14.6	22.0

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

