

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120081.D
 Acq On : 20 Apr 2020 16:50
 Operator : MA/SJ
 Sample : L2314-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-2-2

Manual Integrations
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Quant Time: Apr 20 17:43:21 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	163521	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	624067	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	309514	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	535133	20.00	ng	0.00
76) Chrysene-d12	13.89	240	353239	20.00	ng	-0.01
87) Perylene-d12	15.32	264	328914	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	460799	48.70	ng	0.00
7) Phenol-d6	6.35	99	655741	53.78	ng	-0.01
23) Nitrobenzene-d5	7.28	82	480522	39.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	175477	46.31	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	963379	44.19	ng	0.00
79) Terphenyl-d14	12.83	244	924784	44.05	ng	-0.01

Target Compounds				Qvalue		
22) Acetophenone	7.12	105	31505	2.156	ng	# 92
31) Naphthalene	8.02	128	179482	5.466	ng	98
49) Acenaphthylene	9.62	152	103642	3.386	ng	99
50) Dimethylphthalate	9.47	163	161421	6.743	ng	99
58) Fluorene	10.30	166	55777	2.489	ng	100
71) Phenanthrene	11.27	178	324136	11.381	ng	99
72) Anthracene	11.32	178	150846	5.185	ng	98
75) Fluoranthene	12.46	202	331112	10.775	ng	99
78) Pyrene	12.69	202	365792	12.284	ng	99
81) Benzo(a)anthracene	13.88	228	190616	8.203	ng	# 84
83) Chrysene	13.92	228	188554	7.985	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.70	276	163627	7.861	ng	97
88) Benzo(b)fluoranthene	14.91	252	284270m	12.014	ng	
89) Benzo(k)fluoranthene	14.93	252	75038m	3.676	ng	
90) Benzo(a)pyrene	15.26	252	246550	12.393	ng	# 96
91) Dibenzo(a,h)anthracene	16.71	278	43832	2.487	ng	# 83
92) Benzo(g,h,i)perylene	17.12	276	148750	8.551	ng	97

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

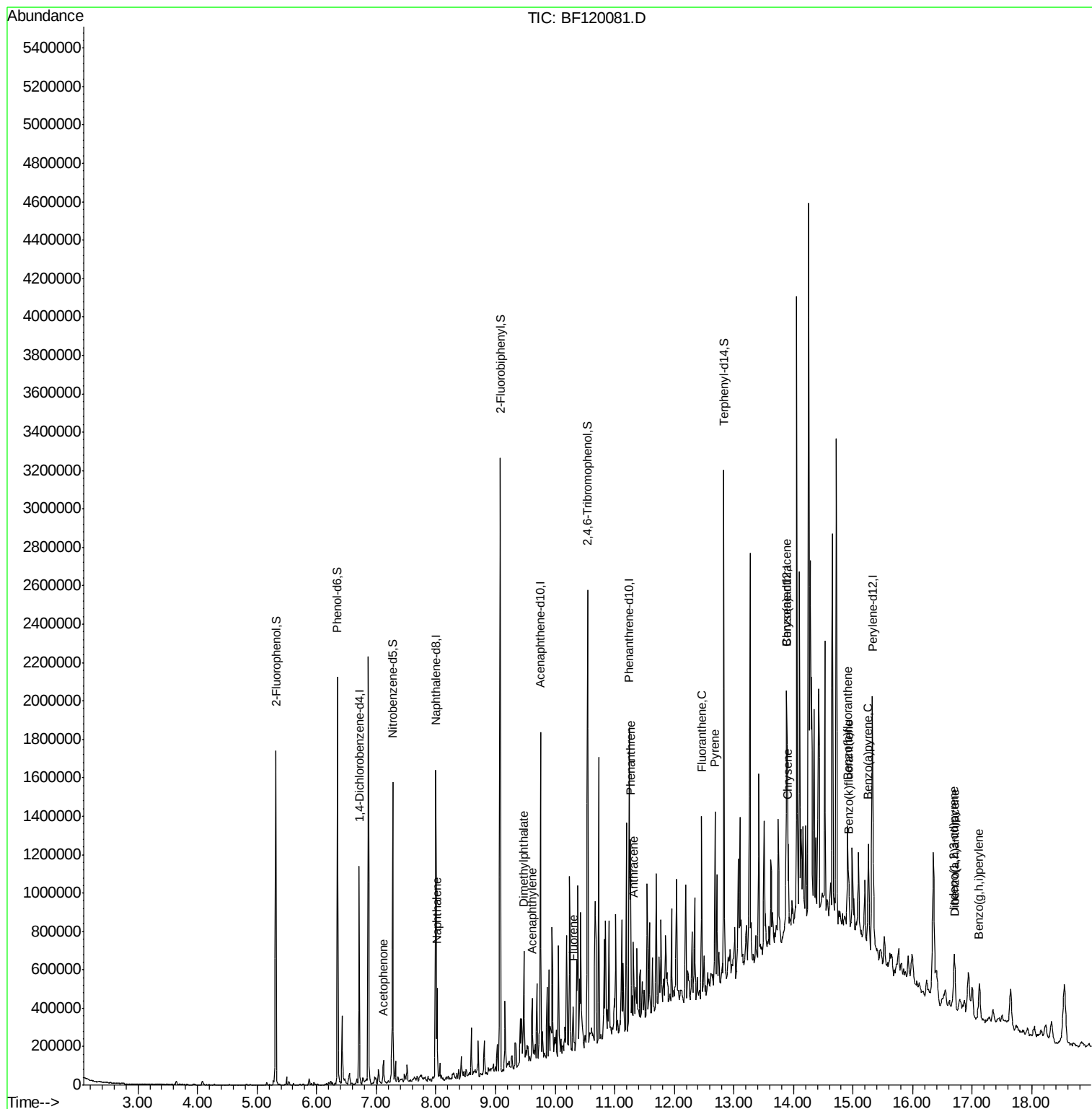
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
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ALS Vial : 10 Sample Multiplier: 1

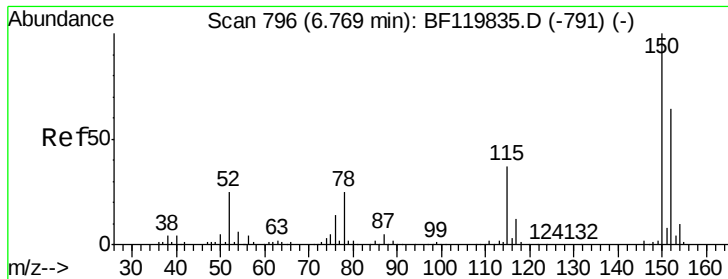
Instrument :
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WB-2-2

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#1

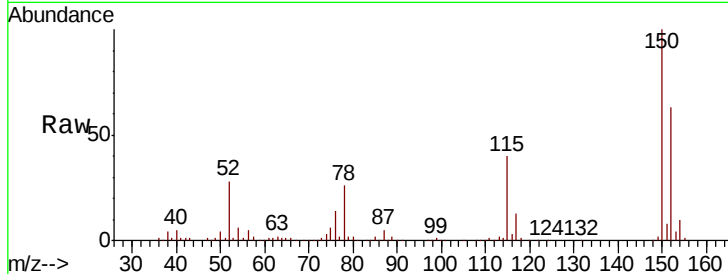
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampleId :
WB-2-2

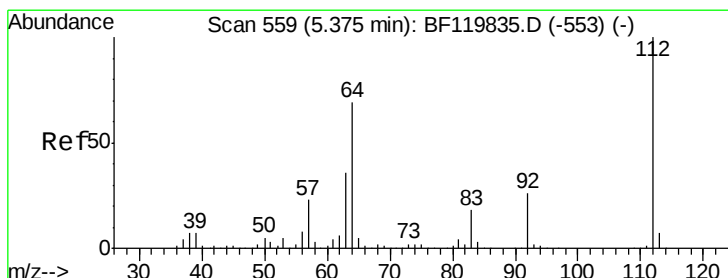
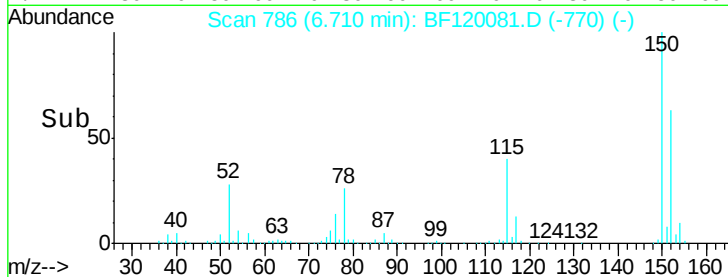
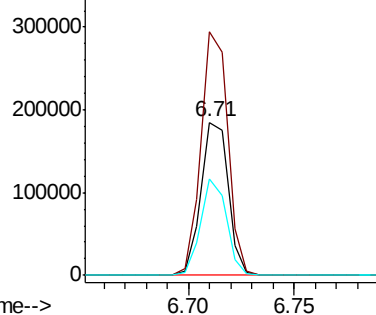
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.8	187.2
115	63.1	46.5	69.7

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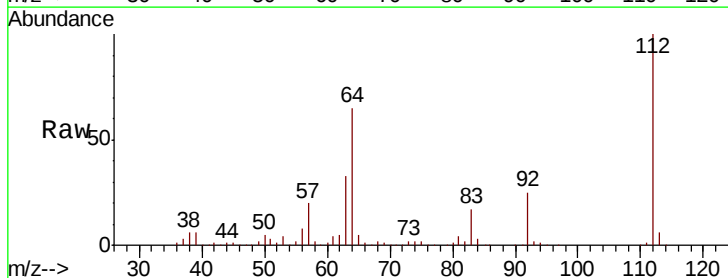
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



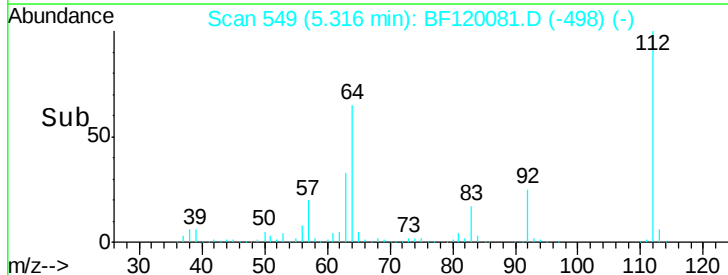
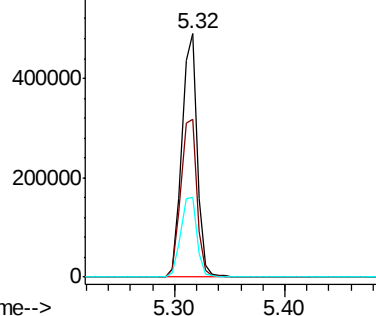
#5

2-Fluorophenol
Concen: 48.700 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	55.5	83.3
63	33.0	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: 53.783 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Instrument :

BNA_F

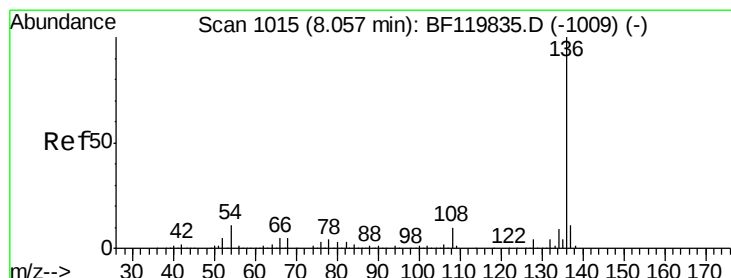
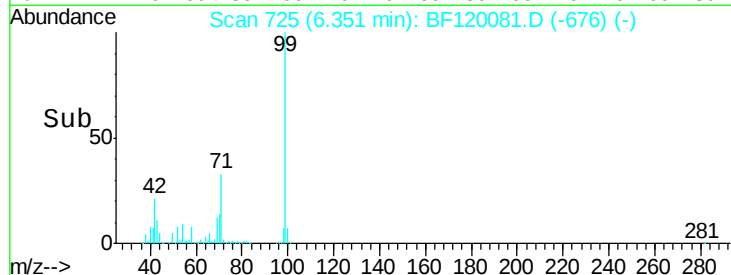
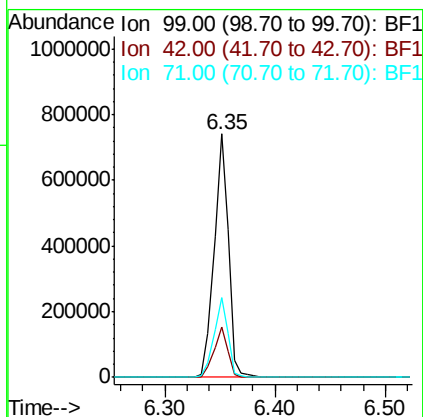
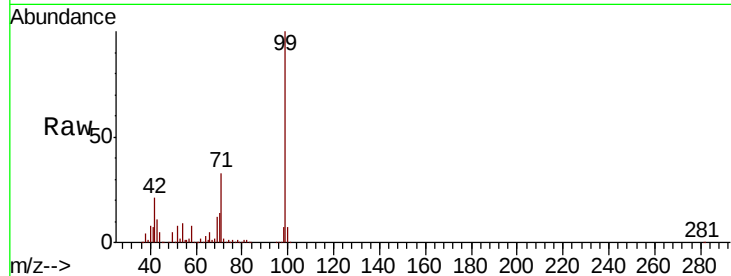
ClientSampleId :

WB-2-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		655741		
42	20.7	16.9	25.3		
71	32.6	26.3	39.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

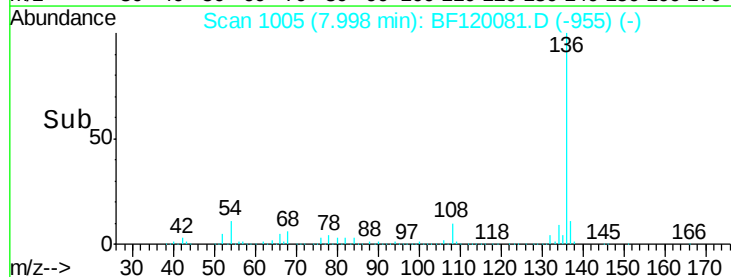
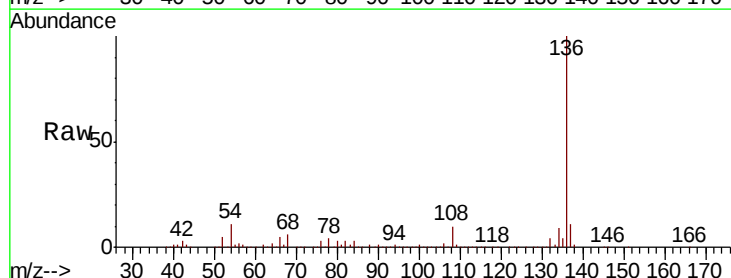
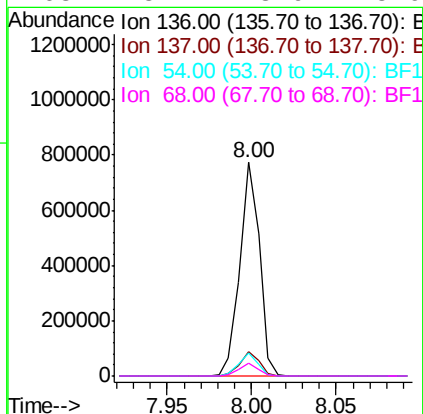
RT: 8.00 min Scan# 1005

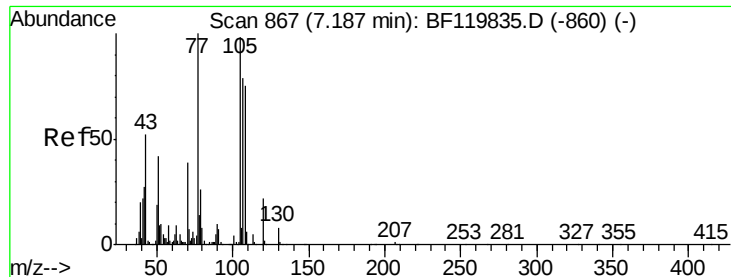
Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		624067		
137	11.3	8.7	13.1		
54	10.8	8.5	12.7		
68	5.7	3.9	5.9		





#22

Acetophenone

Concen: 2.156 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Instrument :

BNA_F

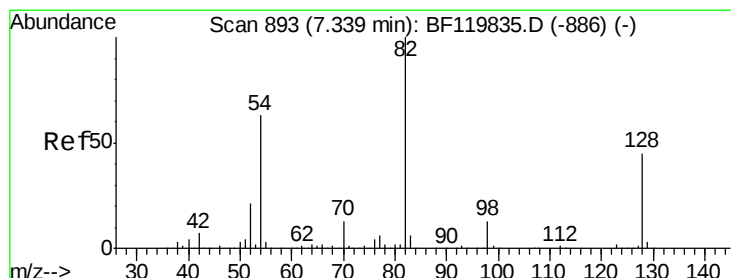
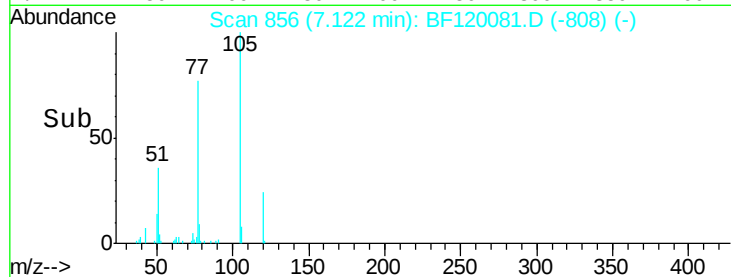
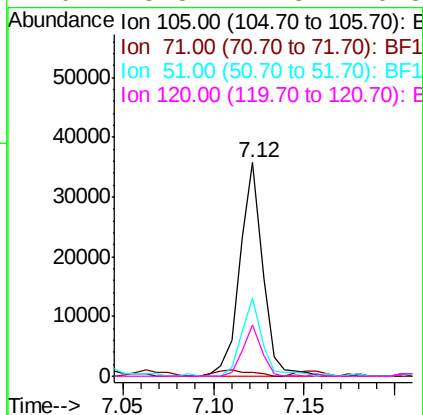
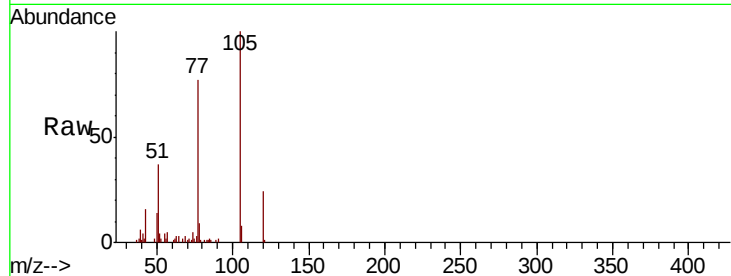
ClientSampled :

WB-2-2

Tot Ion:	105	Resp:	31505
Ion Ratio	Lower	Upper	
105	100		
71	1.8	5.6	8.4#
51	36.6	33.9	50.9
120	23.8	17.8	26.8

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#23

Nitrobenzene-d5

Concen: 39.834 ng

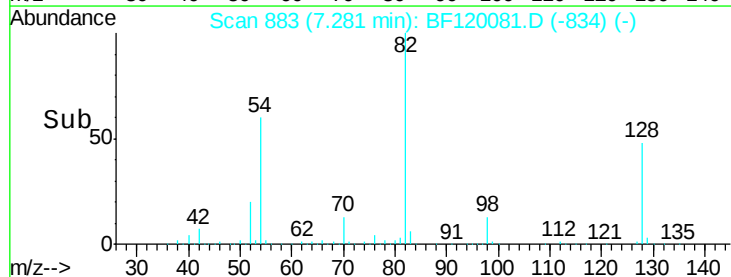
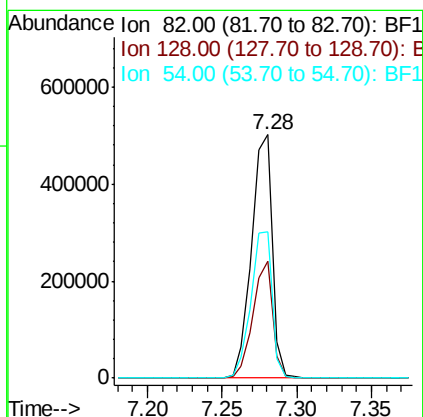
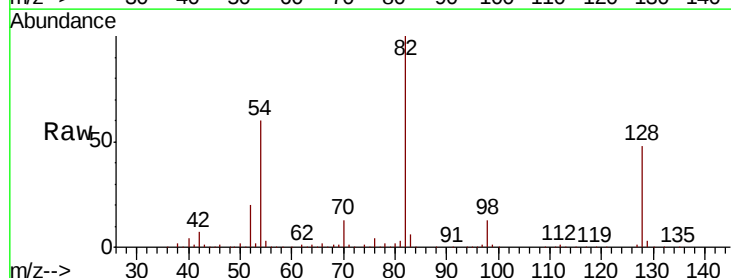
RT: 7.28 min Scan# 883

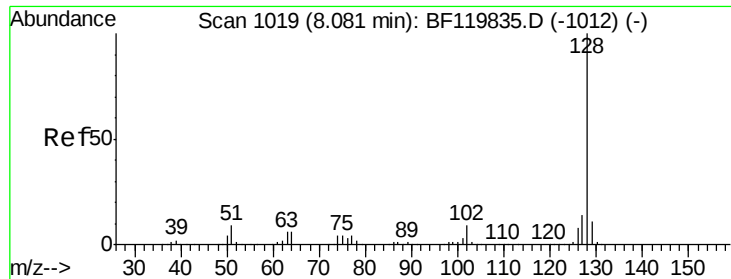
Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Tgt Ion:	82	Resp:	480522
Ion Ratio	Lower	Upper	
82	100		
128	48.2	36.2	54.4
54	60.0	50.4	75.6





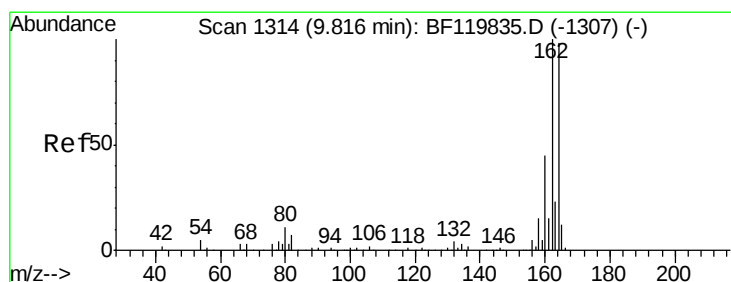
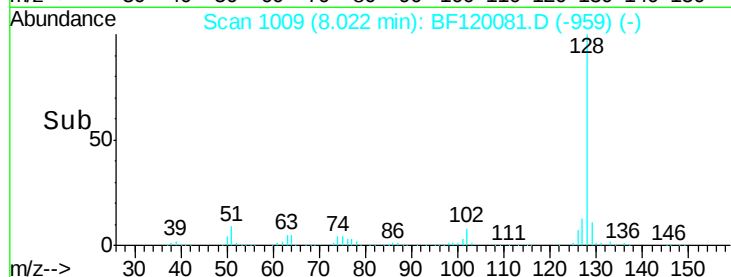
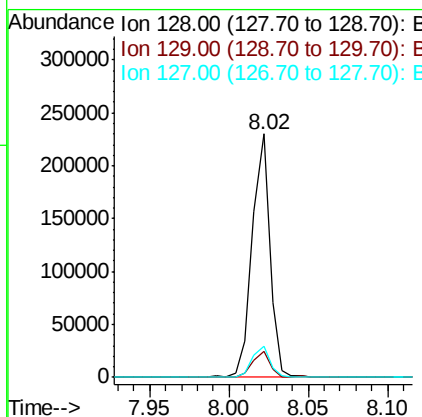
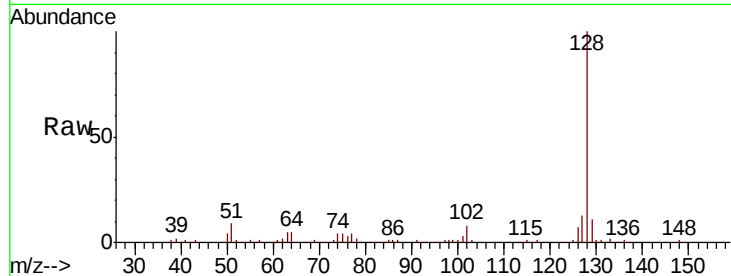
#31
Naphthalene
Concen: 5.466 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampleId :
WB-2-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	12.7	11.0	16.4

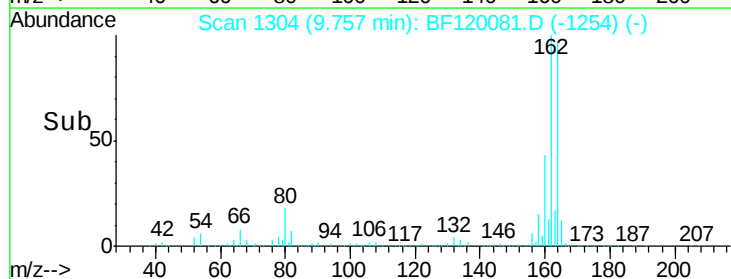
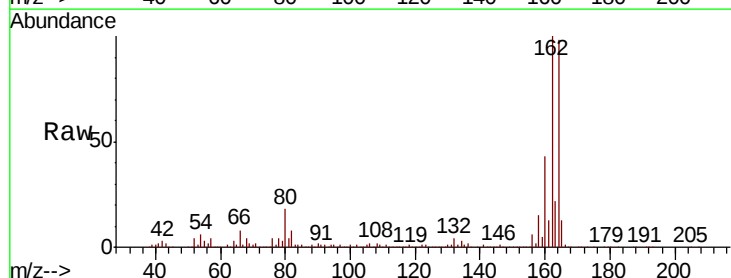
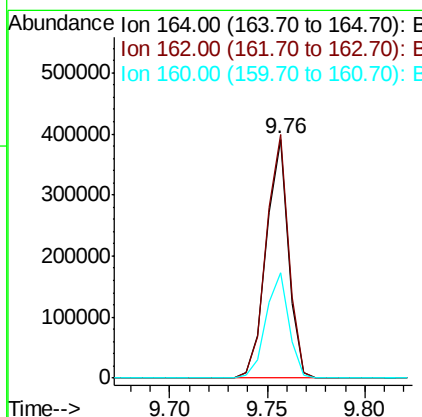
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.9	122.9
160	44.2	36.6	54.8





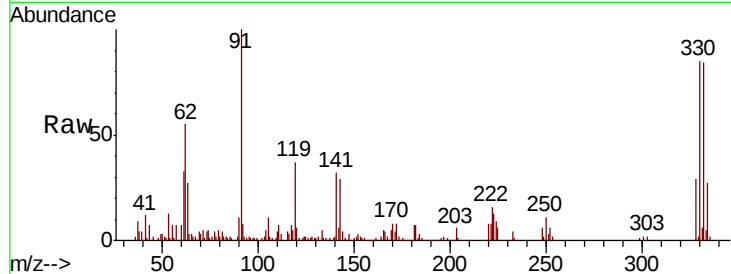
#42
 2,4,6-Tribromophenol
 Concen: 46.306 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF120081.D
 Acq: 20 Apr 2020 16:50

Instrument :
 BNA_F
 ClientSampled :
 WB-2-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	175477		
332	98.2	76.8	115.2	
141	36.0	25.1	37.7	

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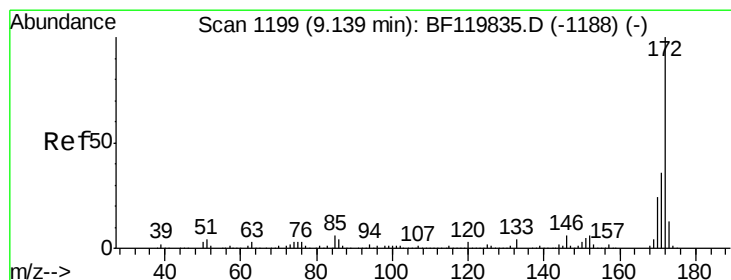
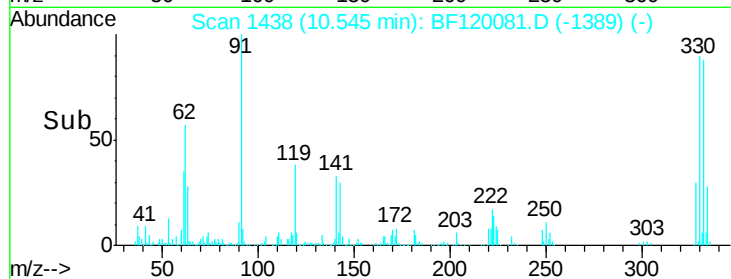
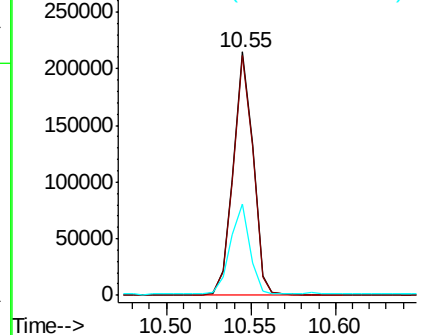


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 44.191 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF120081.D
 Acq: 20 Apr 2020 16:50

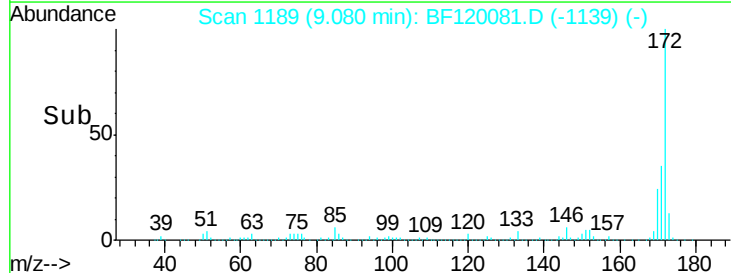
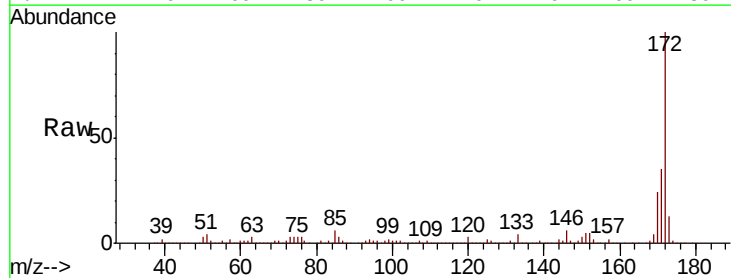
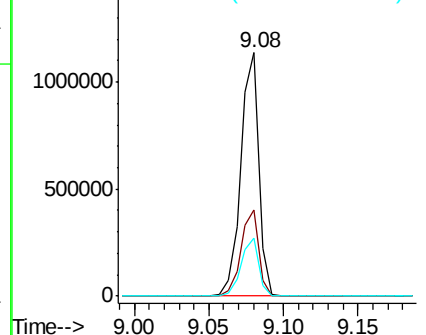
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	963379		
171	35.4	28.9	43.3	
170	24.0	19.4	29.2	

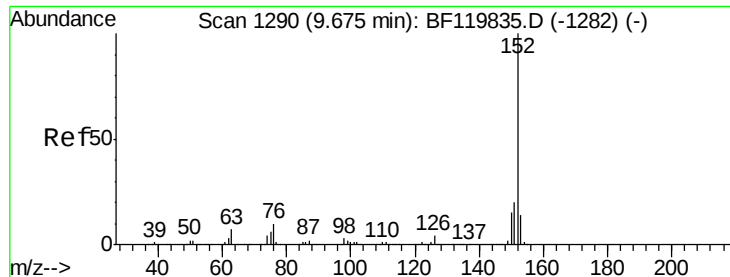
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 3.386 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Instrument :

BNA_F

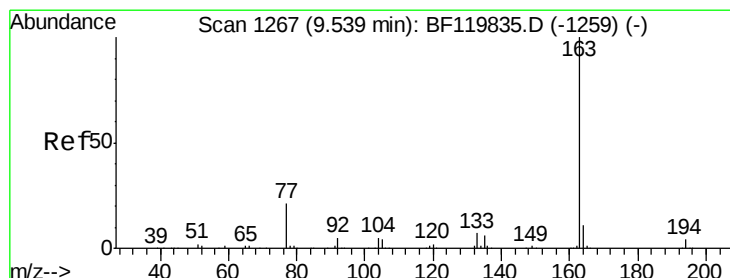
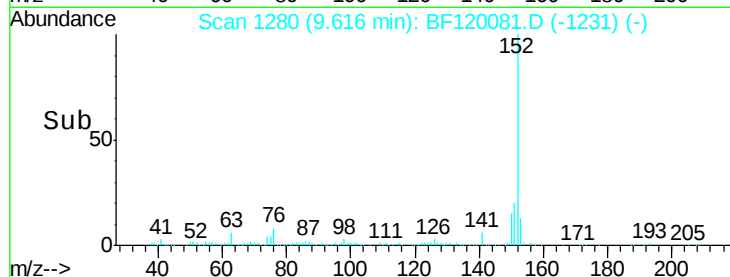
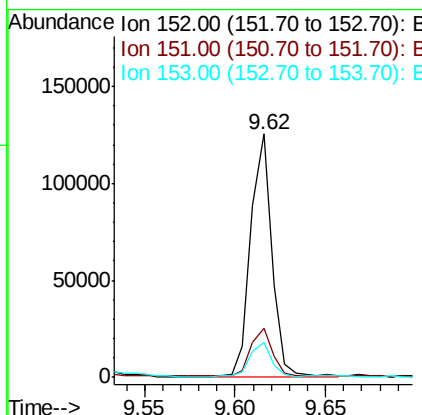
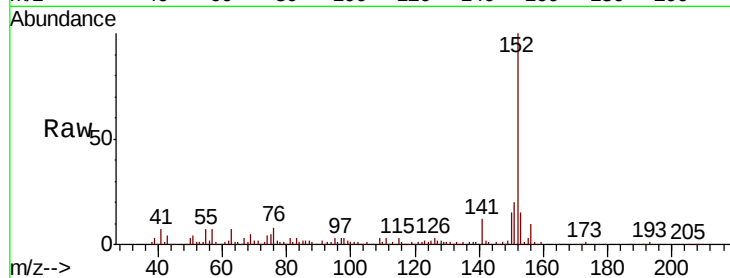
ClientSampleId :

WB-2-2

Tot Ion:	152	Resp:	103642
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	14.6	10.9	16.3

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#50

Dimethylphthalate

Concen: 6.743 ng

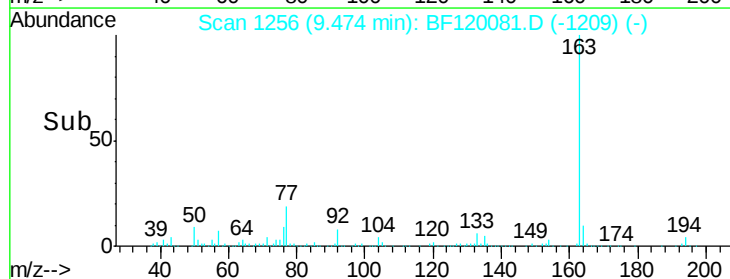
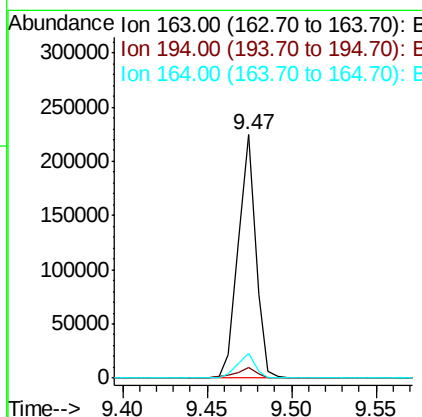
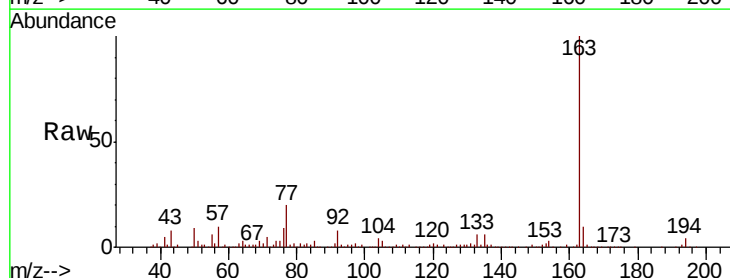
RT: 9.47 min Scan# 1256

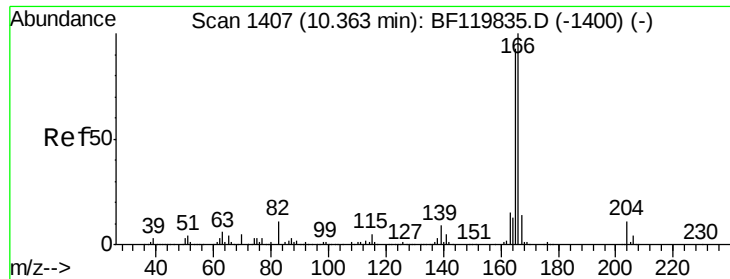
Delta R.T. -0.02 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Tgt Ion:	163	Resp:	161421
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.0	4.4
164	10.1	8.4	12.6





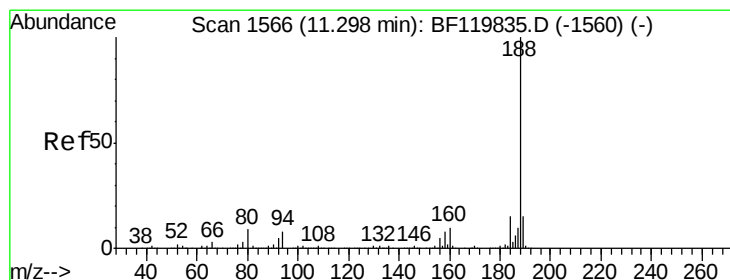
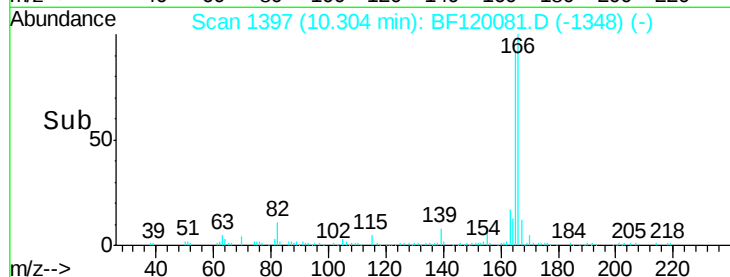
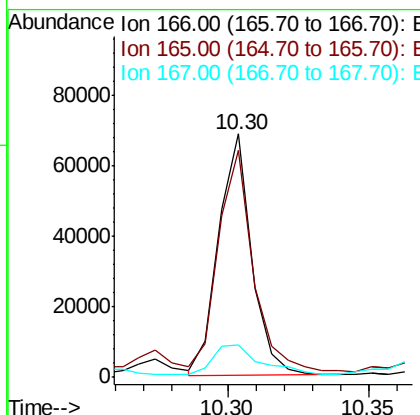
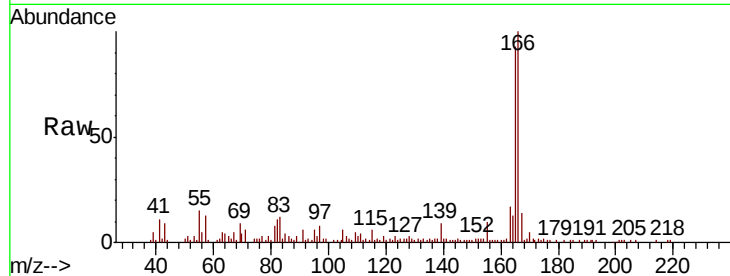
#58
 Fluorene
 Concen: 2.489 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF120081.D
 Acq: 20 Apr 2020 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WB-2-2

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.2	74.2	111.2
167	13.5	10.8	16.2

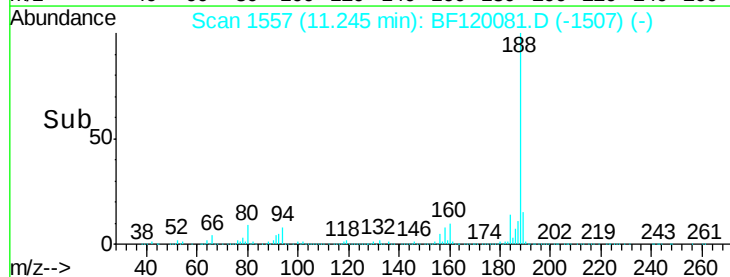
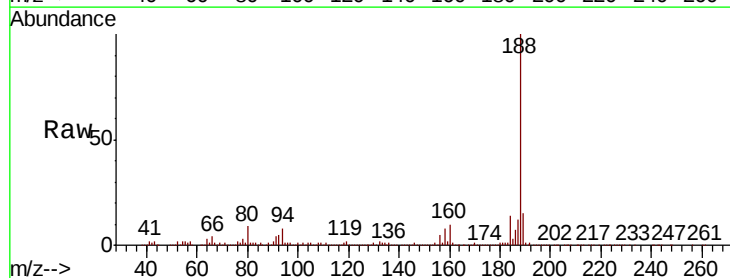
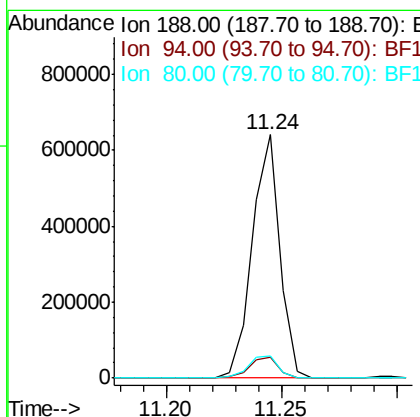
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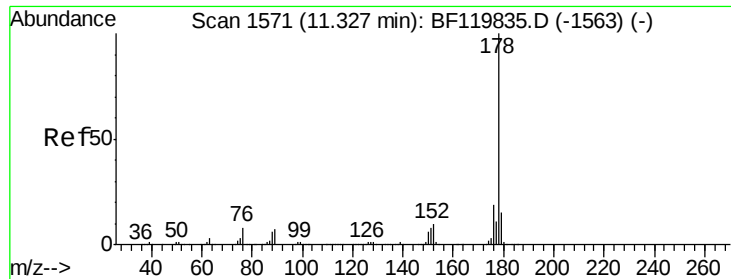
mohammad
 4/21/2020 2:54:48 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF120081.D
 Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	9.2	7.4	11.2





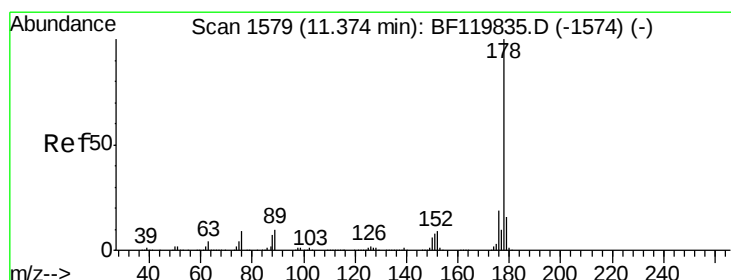
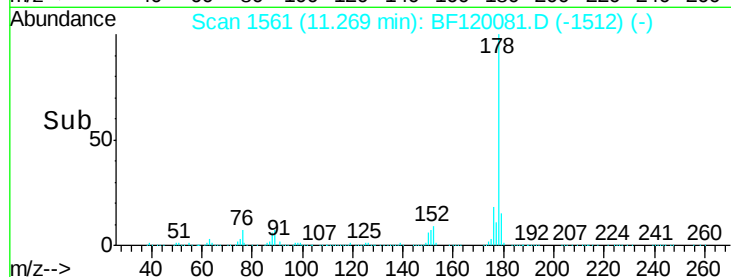
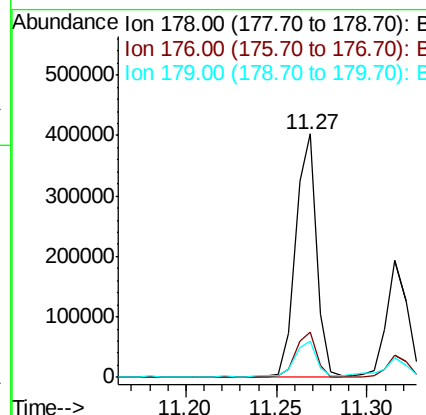
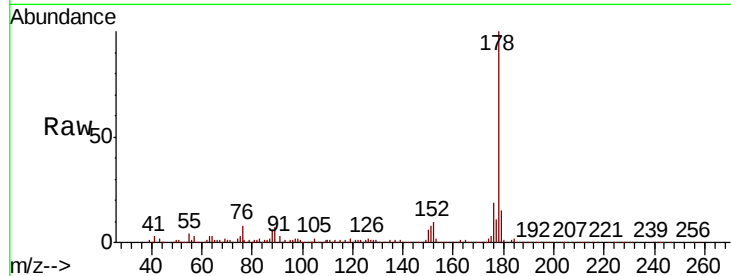
#71
Phenanthrene
Concen: 11.381 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampleId :
WB-2-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.1	12.2	18.4

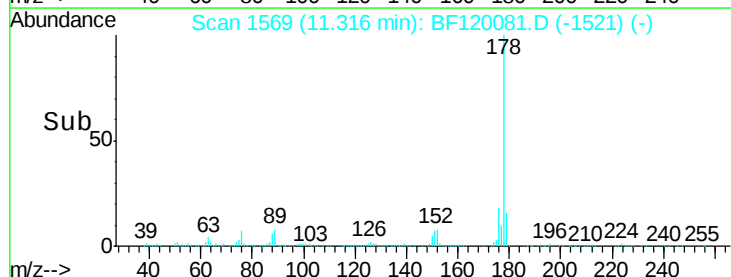
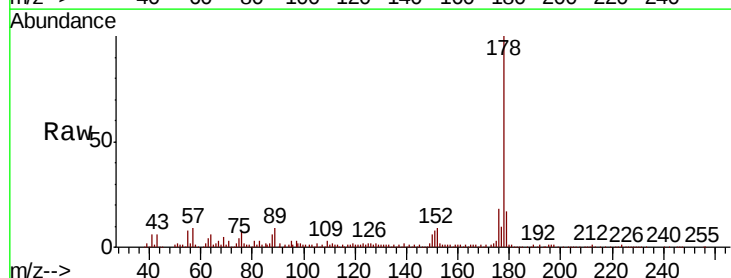
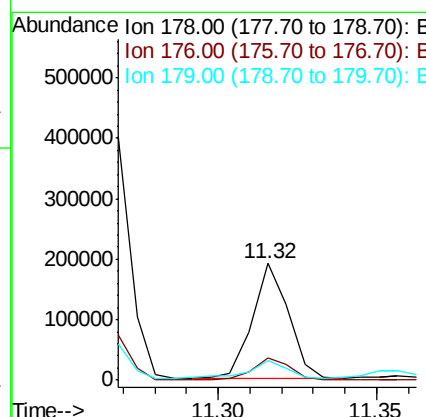
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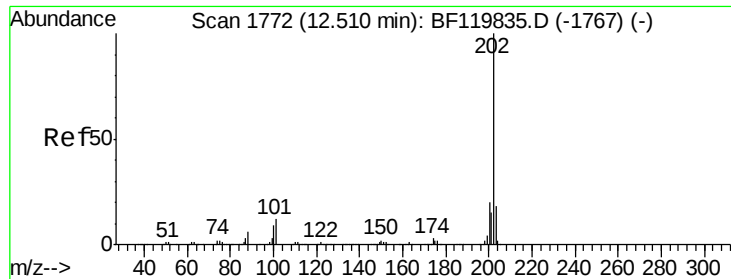
mohammad
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#72
Anthracene
Concen: 5.185 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.7	12.8	19.2





#75

Fluoranthene

Concen: 10.775 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Instrument :

BNA_F

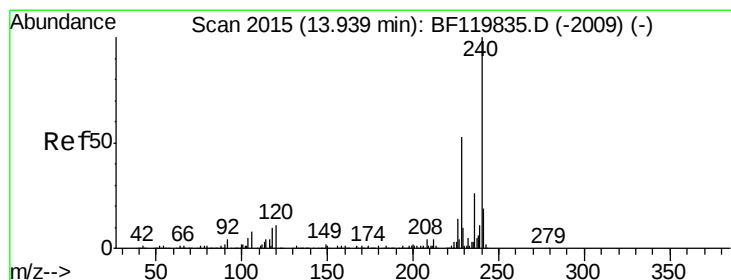
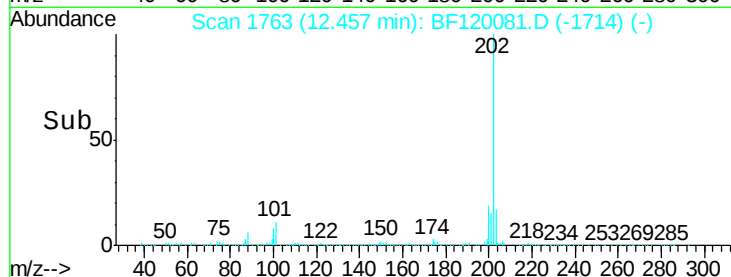
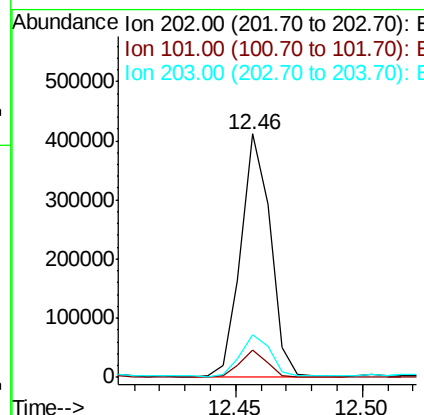
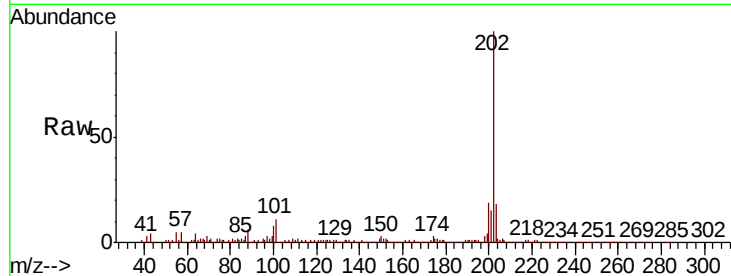
ClientSampled :

WB-2-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.4	0.0	32.3		
203	17.6	0.0	37.6		

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#76

Chrysene-d12

Concen: 20.000 ng

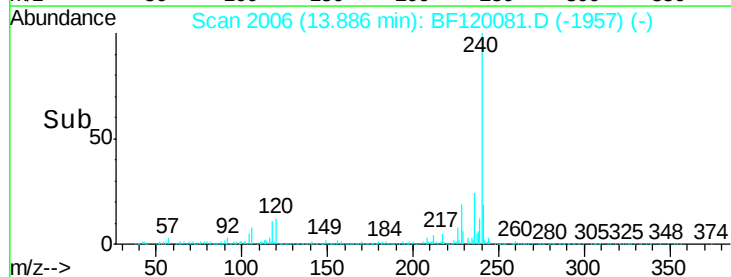
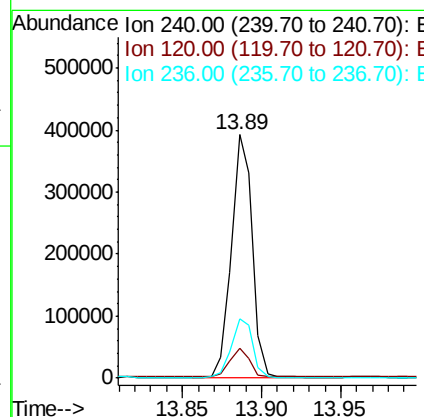
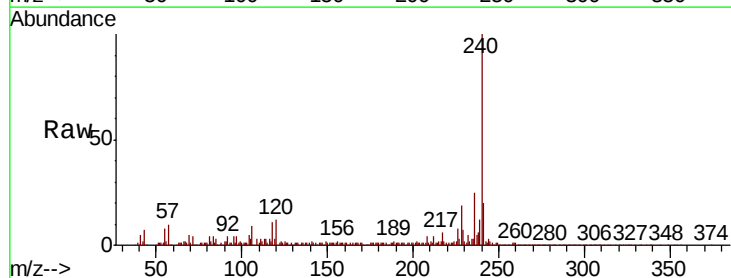
RT: 13.89 min Scan# 2006

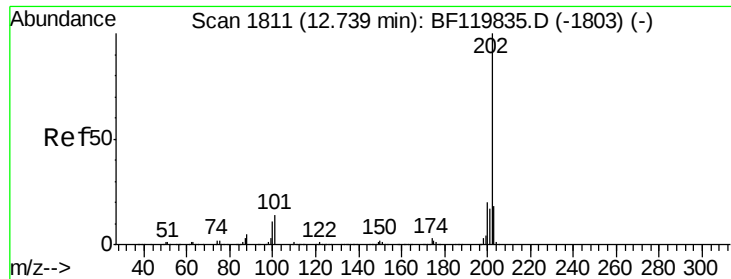
Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.3	9.0	13.6		
236	24.5	20.7	31.1		





#78

Pvrene

Concen: 12.284 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Instrument :

BNA_F

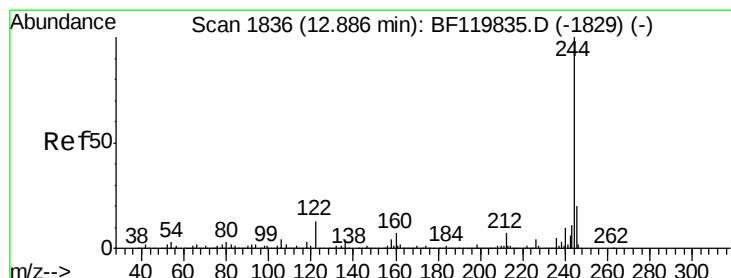
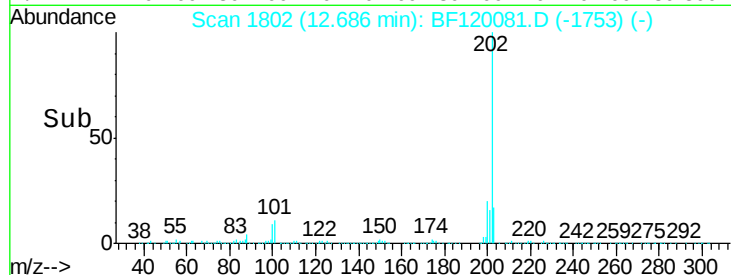
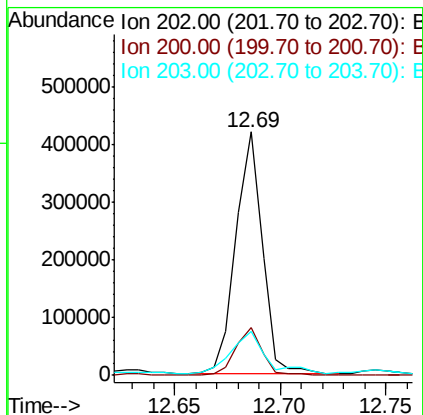
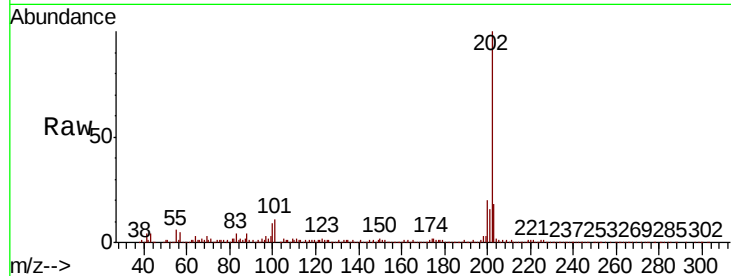
ClientSampled :

WB-2-2

Tot Ion:	202	Resp:	365792
Ion Ratio		Lower	Upper
202	100		
200	19.8	16.2	24.2
203	18.3	14.1	21.1

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#79

Terphenyl-d14

Concen: 44.052 ng

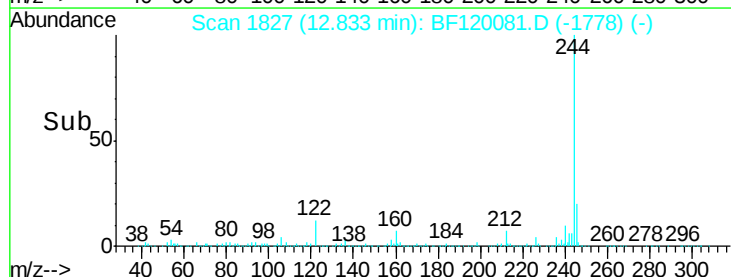
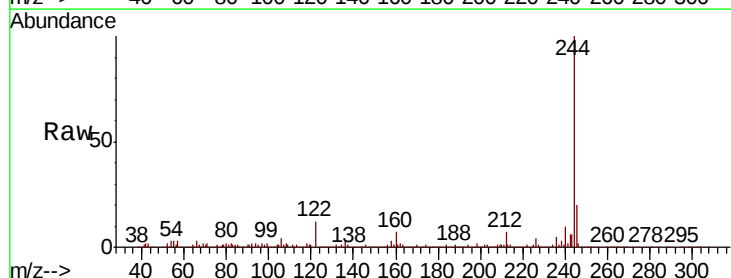
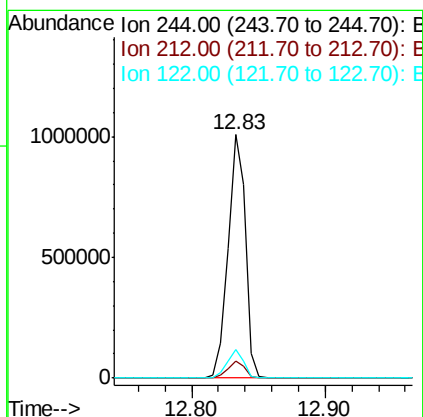
RT: 12.83 min Scan# 1827

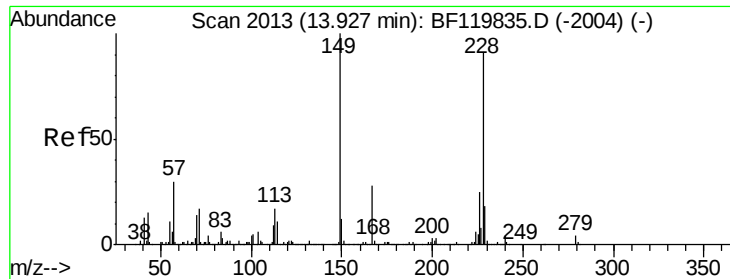
Delta R.T. -0.01 min

Lab File: BF120081.D

Acq: 20 Apr 2020 16:50

Tgt Ion:	244	Resp:	924784
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.8	10.3	15.5





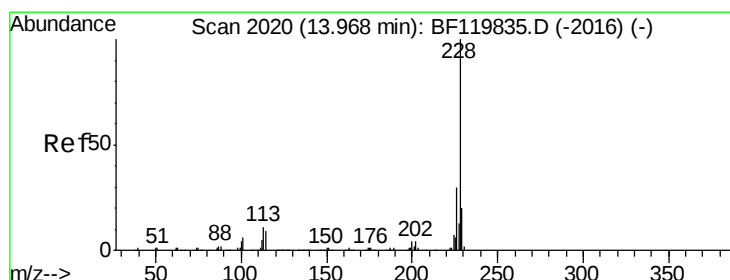
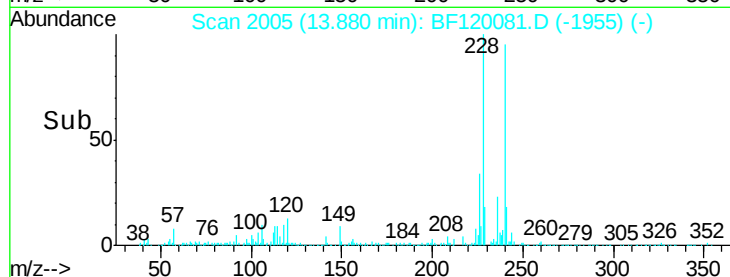
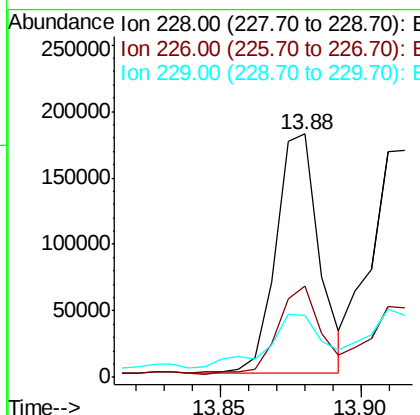
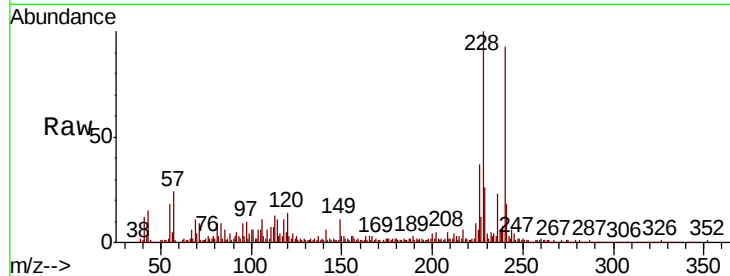
#81
Benzo(a)anthracene
Concen: 8.203 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampled :
WB-2-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.4	21.9	32.9#
229	25.6	15.9	23.9#

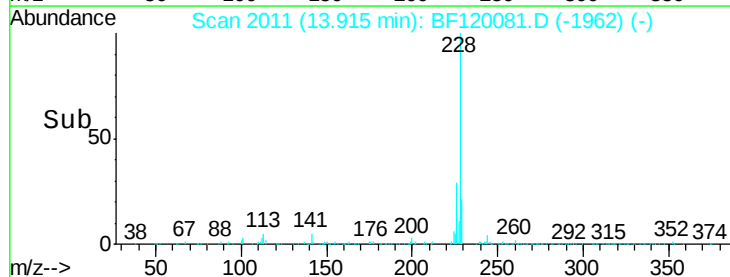
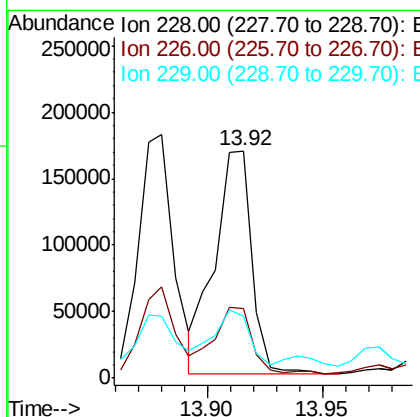
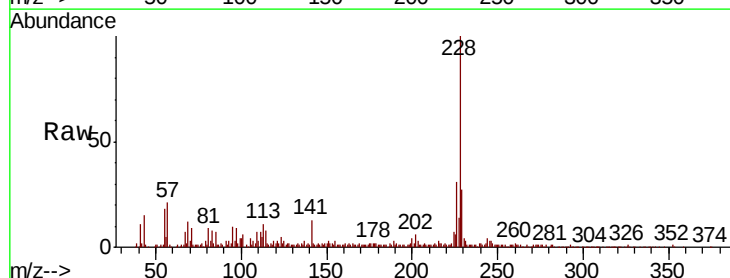
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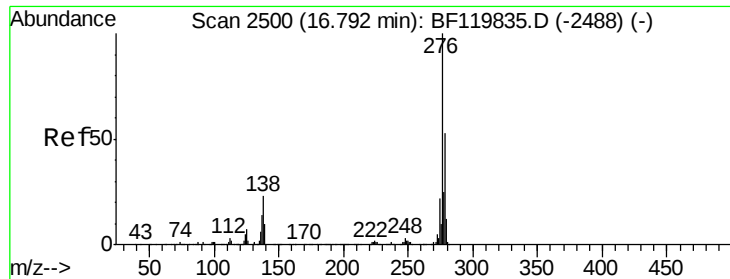
mohammad
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#83
Chrysene
Concen: 7.985 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	27.0	15.9	23.9#





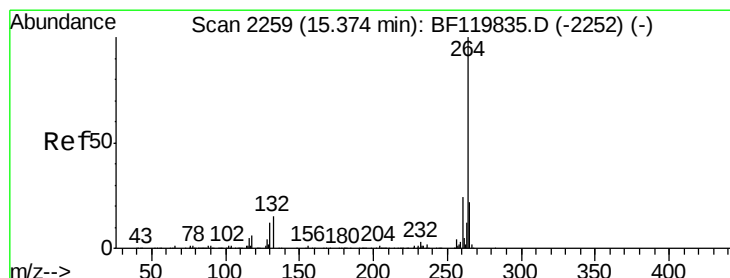
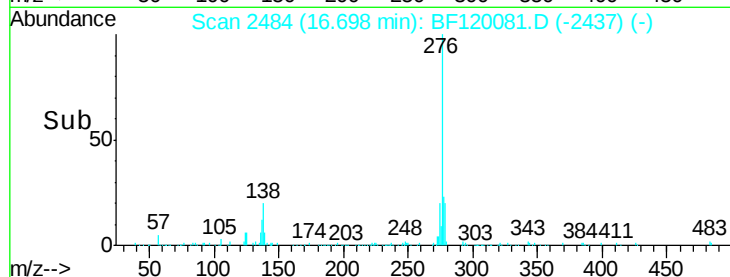
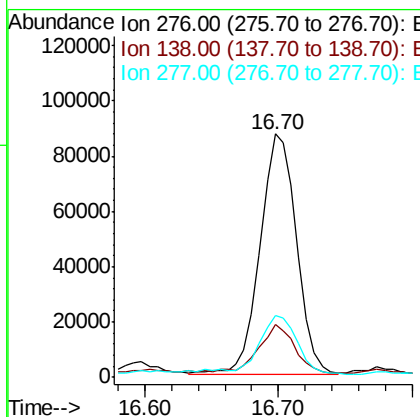
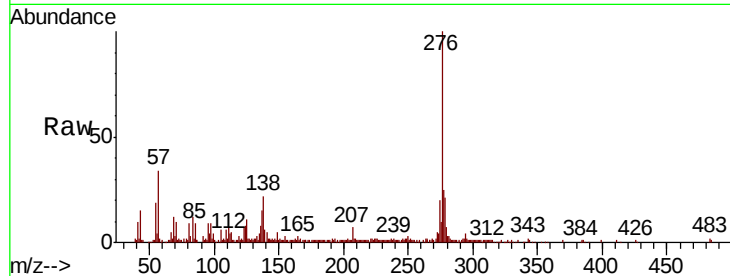
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.861 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.02 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampleId :
WB-2-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.0	27.0
277	27.0	20.1	30.1

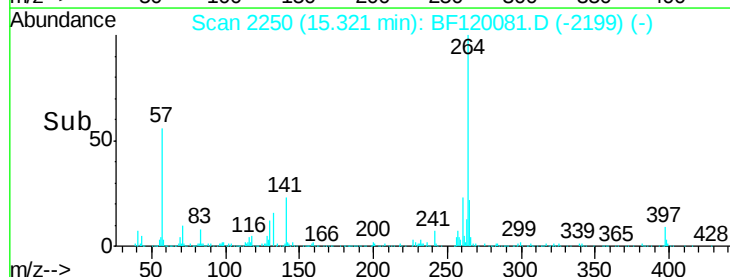
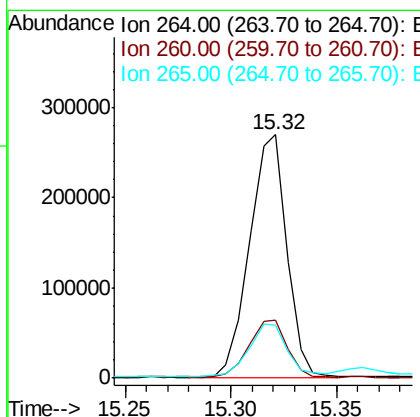
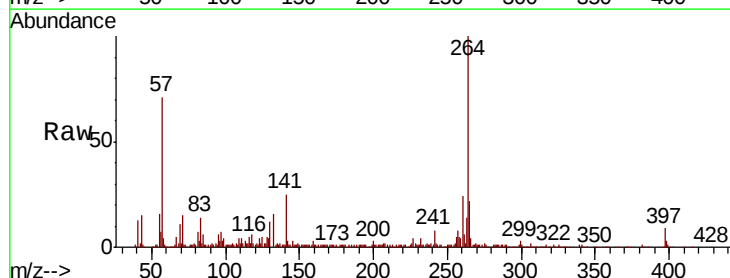
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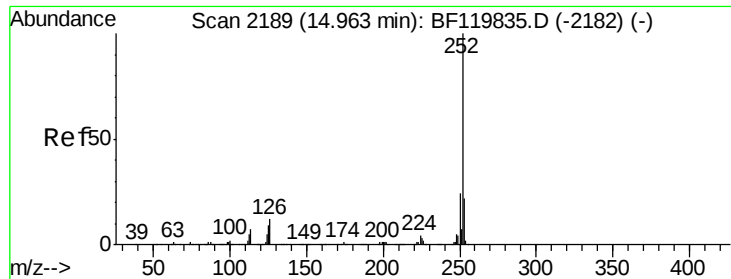
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	21.9	17.6	26.4





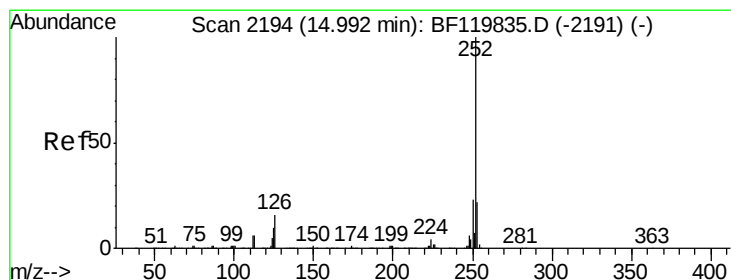
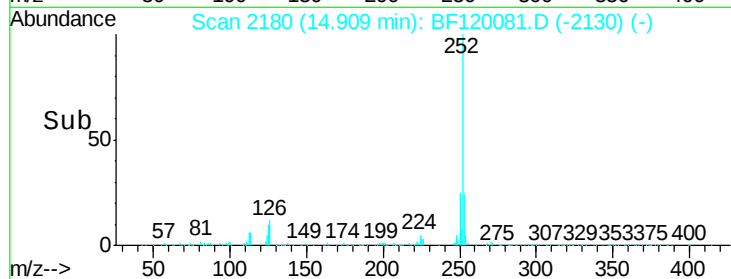
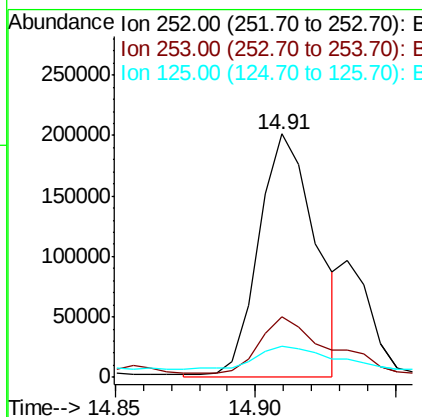
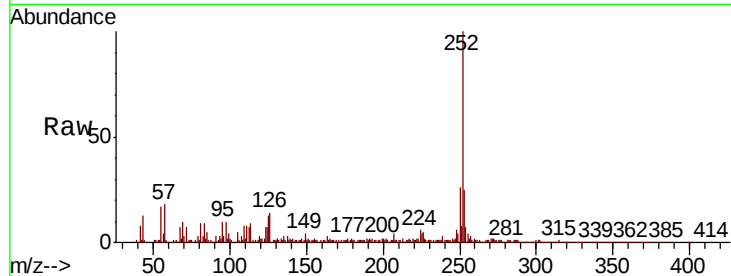
#88
Benzo(b)fluoranthene
Concen: 12.014 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampleId :
WB-2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	12.8	7.4	11.2

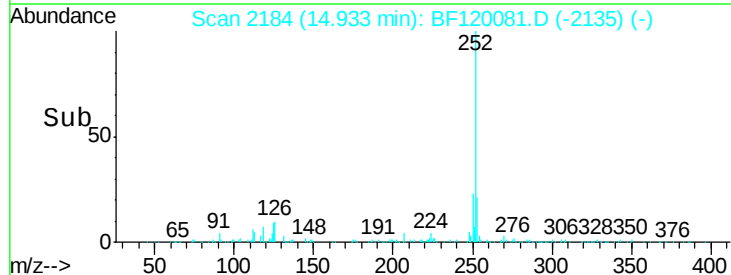
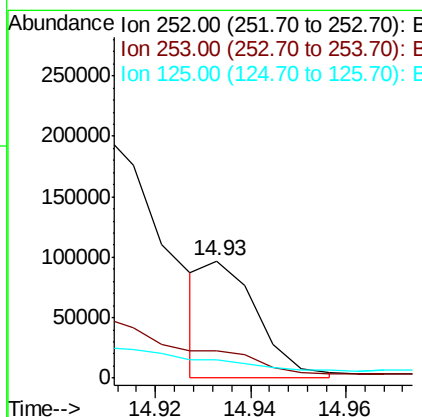
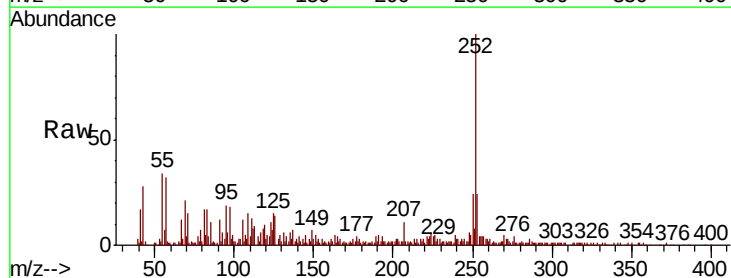
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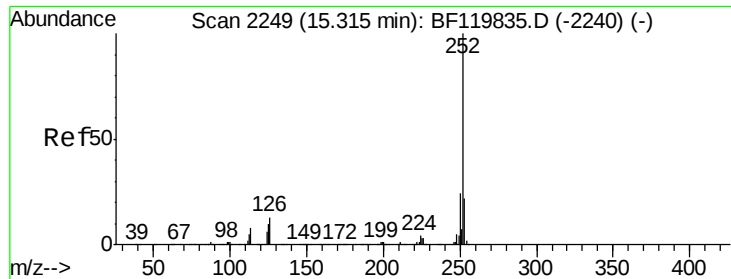
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.676 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	15.4	7.7	11.5





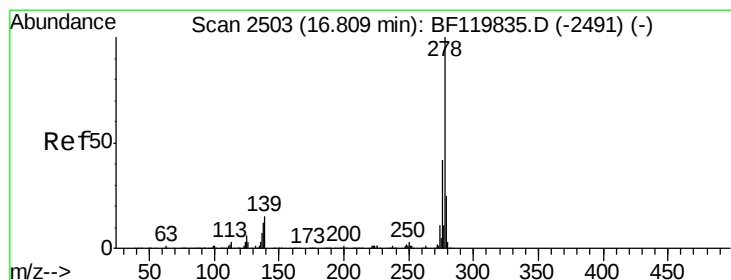
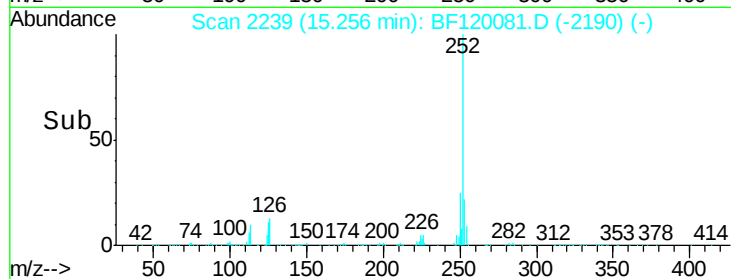
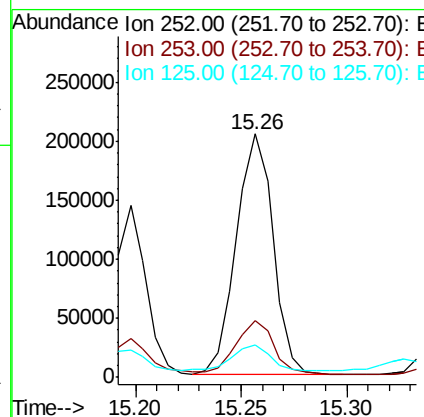
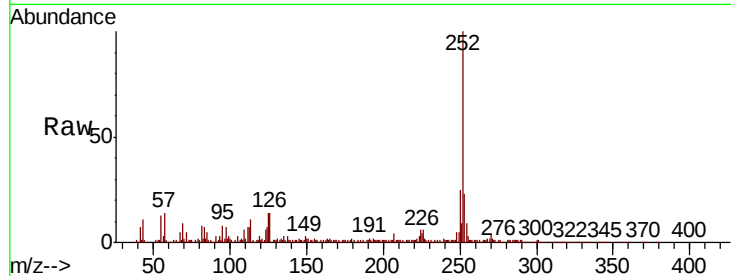
#90
Benzo(a)pyrene
Concen: 12.393 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Instrument :
BNA_F
ClientSampleId :
WB-2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	13.5	8.3	12.5#

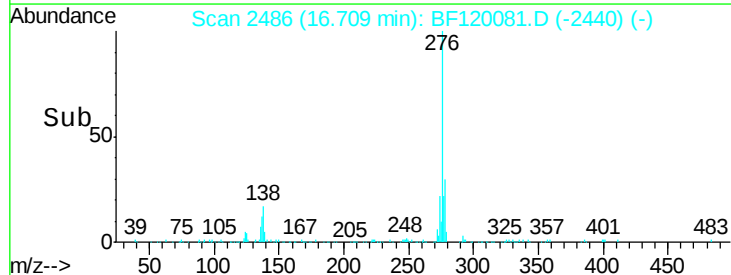
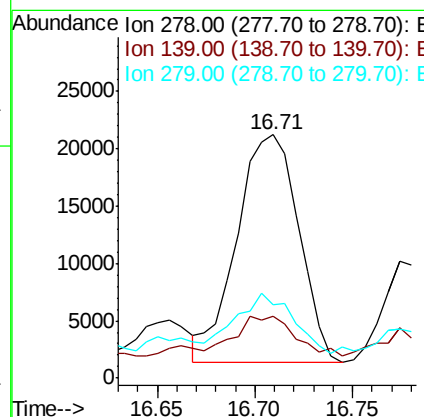
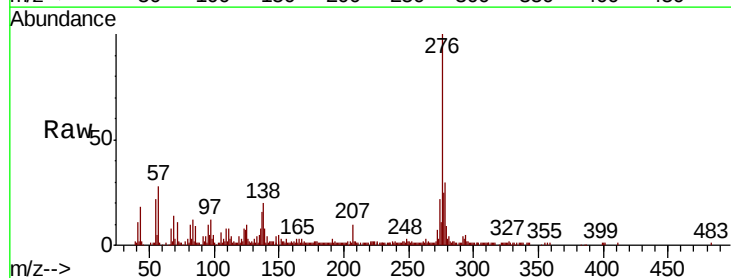
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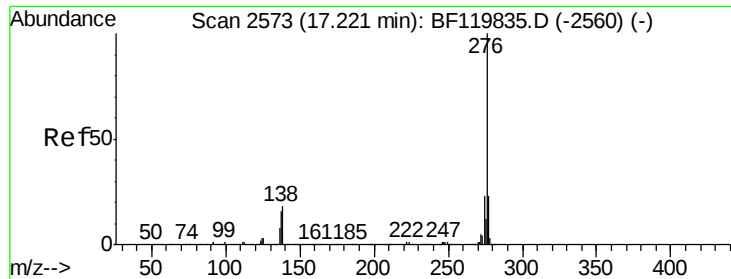
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.487 ng
RT: 16.71 min Scan# 2486
Delta R.T. -0.03 min
Lab File: BF120081.D
Acq: 20 Apr 2020 16:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.5	11.6	17.4#
279	30.0	19.7	29.5#





#92
 Benzo(a,h,i)perylene
 Concen: 8.551 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.02 min
 Lab File: BF120081.D
 Acq: 20 Apr 2020 16:50

Instrument :
 BNA_F
 ClientSampleId :
 WB-2-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	20.2	14.6	22.0

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