

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120094.D
 Acq On : 20 Apr 2020 22:46
 Operator : MA/SJ
 Sample : L2314-14 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-1

Manual Integrations
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 4/21/2020 2:55:17 PM

Quant Time: Apr 21 04:22:52 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	147080	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	543147	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	269258	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	467579	20.00	ng	0.00
76) Chrysene-d12	13.89	240	331271	20.00	ng	0.00
87) Perylene-d12	15.32	264	293697	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	218677	25.69	ng	0.00
7) Phenol-d6	6.35	99	300852	27.43	ng	-0.01
23) Nitrobenzene-d5	7.27	82	200337	19.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	75438	22.88	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	400804	21.13	ng	-0.01
79) Terphenyl-d14	12.83	244	387541	19.68	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.02	128	113456	3.970	ng	98
37) 2-Methylnaphthalene	8.71	142	46887	2.420	ng	97
49) Acenaphthylene	9.62	152	65305	2.453	ng	98
50) Dimethylphthalate	9.47	163	71017	3.410	ng	# 98
58) Fluorene	10.30	166	47831	2.454	ng	98
71) Phenanthrene	11.27	178	351916	14.142	ng	99
72) Anthracene	11.32	178	103974	4.090	ng	98
75) Fluoranthene	12.46	202	444648	16.560	ng	99
78) Pyrene	12.69	202	541826	19.402	ng	97
81) Benzo(a)anthracene	13.88	228	291467	13.374	ng	# 90
83) Chrysene	13.92	228	261544	11.811	ng	# 90
86) Indeno(1,2,3-cd)pyrene	16.70	276	140416	7.194	ng	98
88) Benzo(b)fluoranthene	14.91	252	305101m	14.441	ng	
89) Benzo(k)fluoranthene	14.93	252	86177m	4.727	ng	
90) Benzo(a)pyrene	15.26	252	263619	14.840	ng	# 94
91) Dibenzo(a,h)anthracene	16.70	278	37281	2.369	ng	# 73
92) Benzo(g,h,i)perylene	17.12	276	133479	8.594	ng	96

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

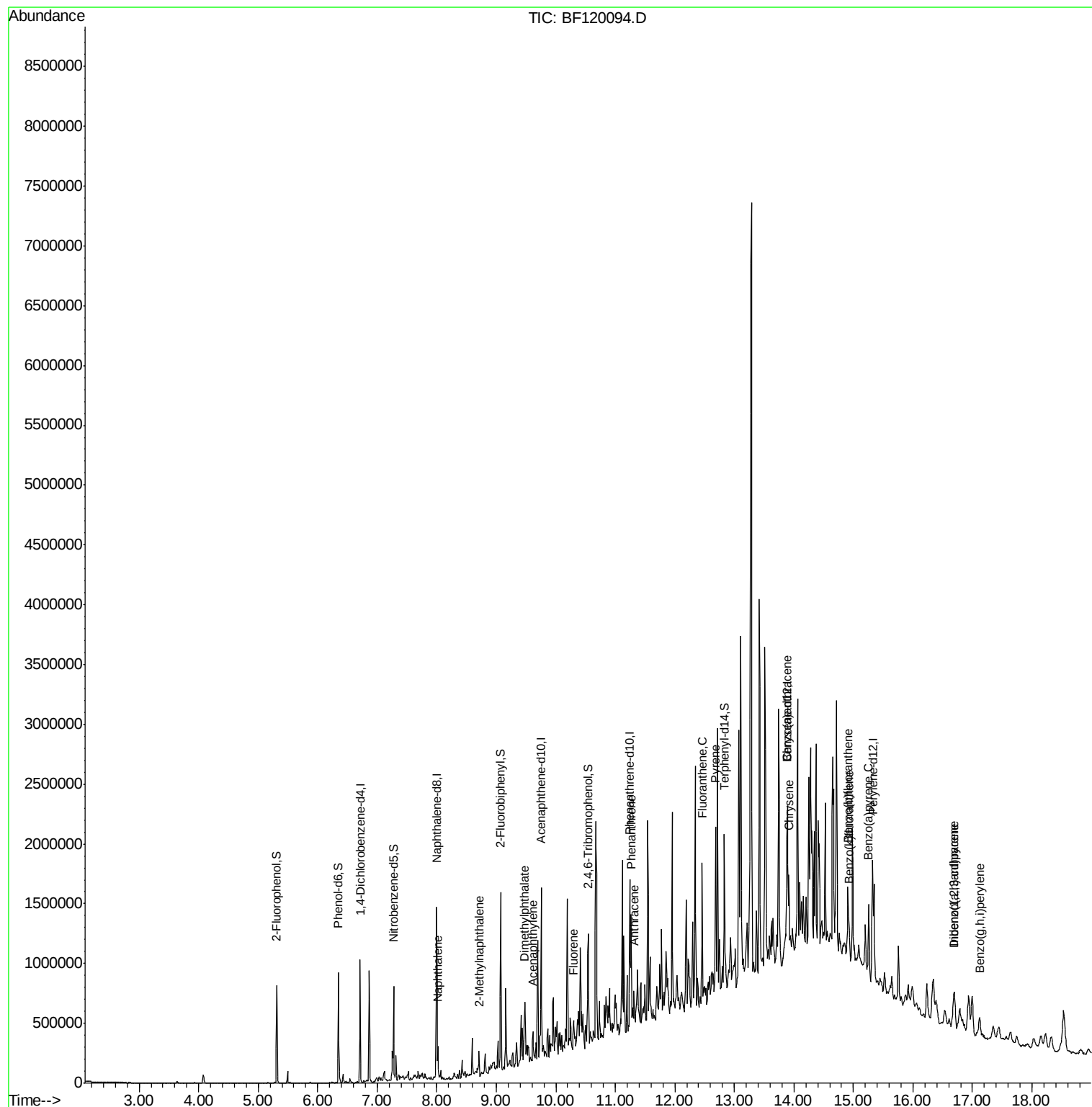
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#1

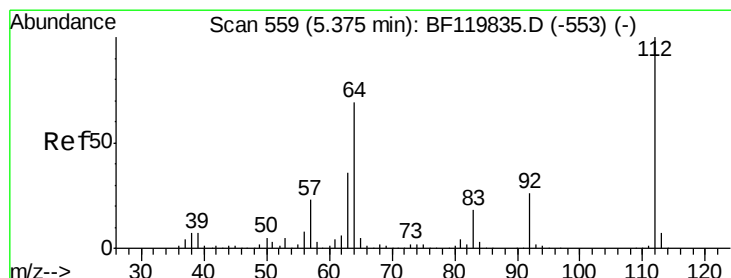
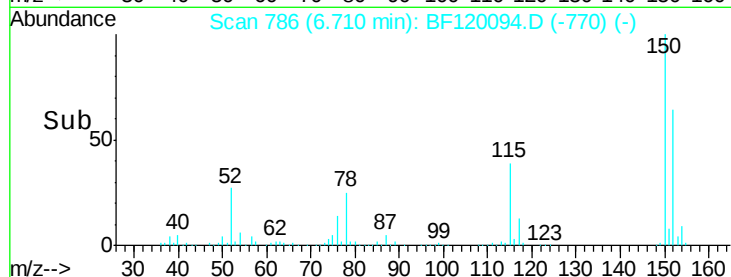
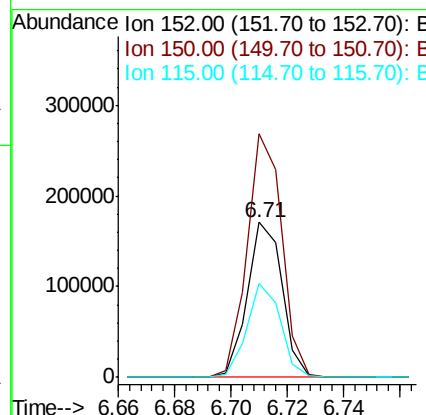
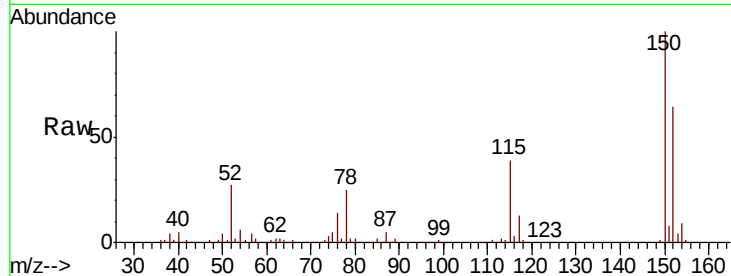
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Instrument :
BNA_F
ClientSampleId :
WB-8-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.8	187.2
115	60.5	46.5	69.7

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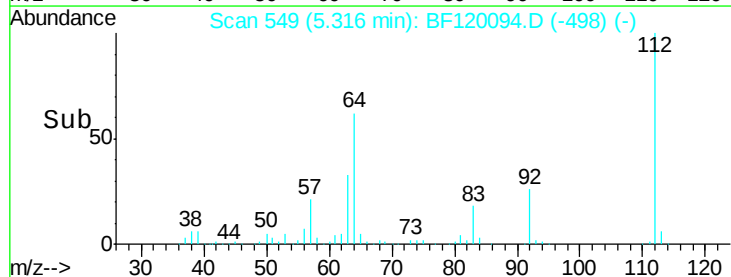
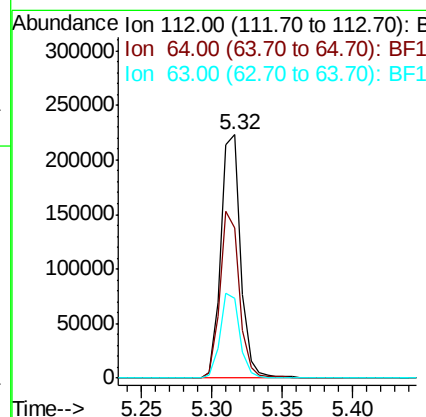
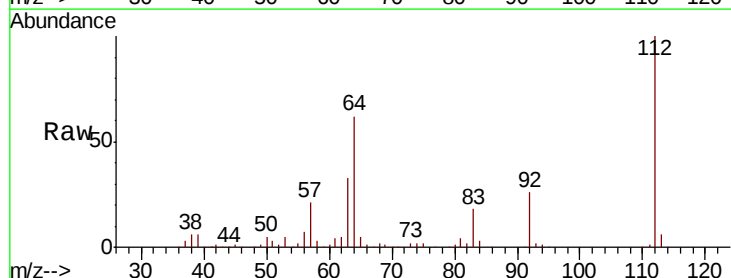
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#5

2-Fluorophenol
Concen: 25.694 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	55.5	83.3
63	32.6	29.1	43.7





#7

Phenol-d6

Concen: 27.434 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Instrument :

BNA_F

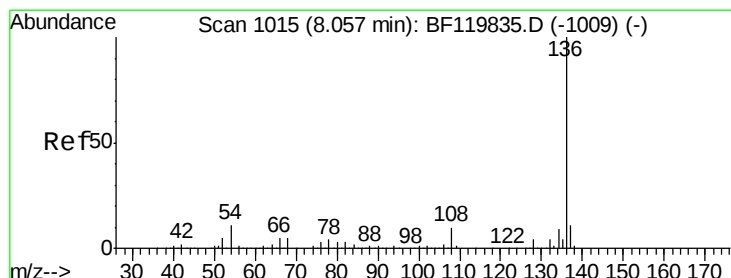
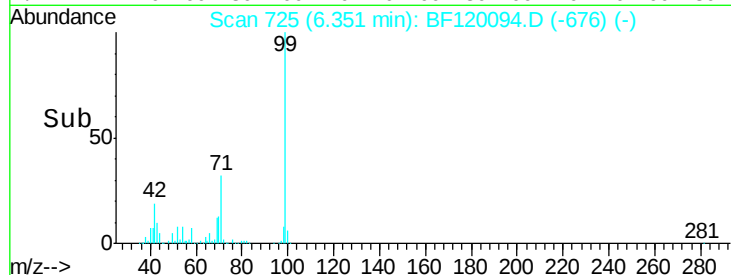
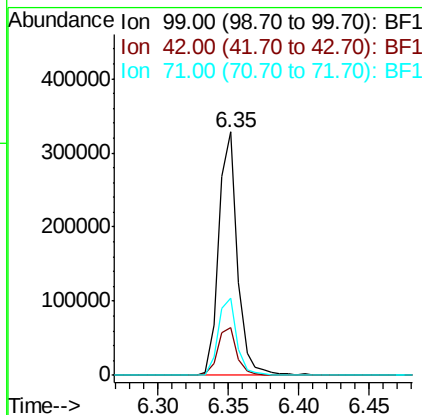
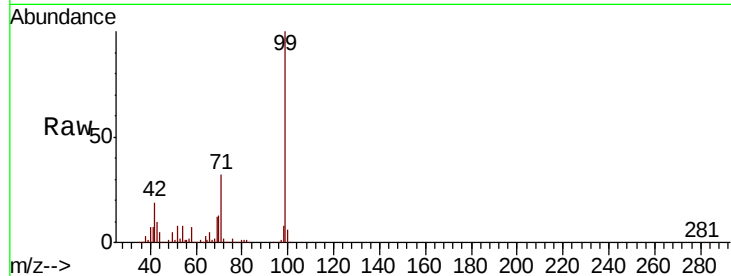
ClientSampleId :

WB-8-1

Tot Ion:	99	Resp:	300852
Ion Ratio	Lower	Upper	
99	100		
42	19.4	16.9	25.3
71	31.7	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

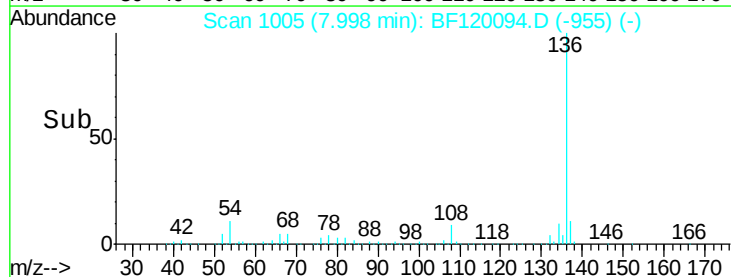
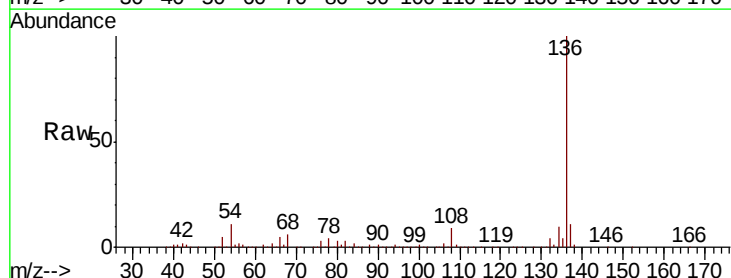
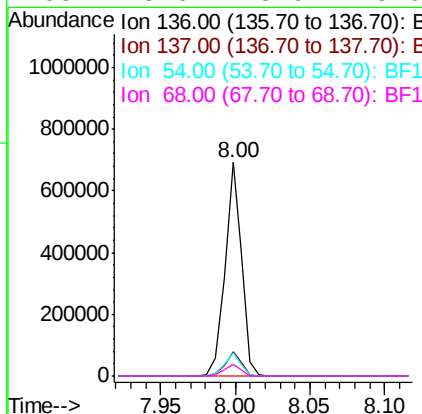
RT: 8.00 min Scan# 1005

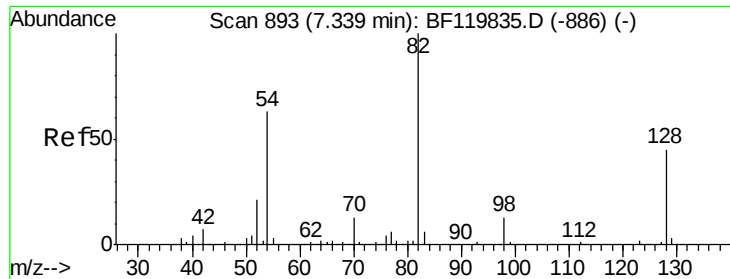
Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Tgt Ion:	136	Resp:	543147
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	10.9	8.5	12.7
68	5.6	3.9	5.9





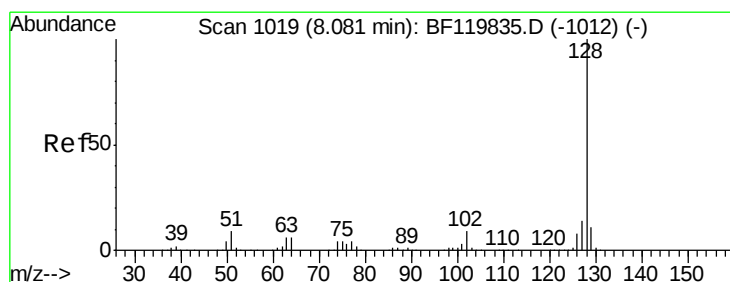
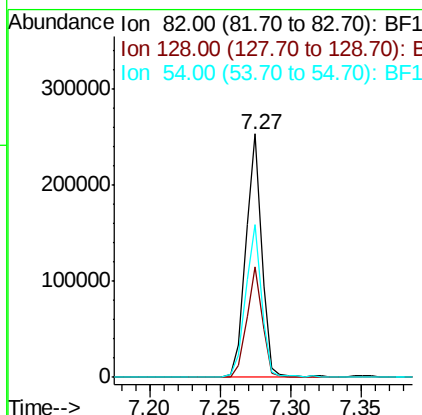
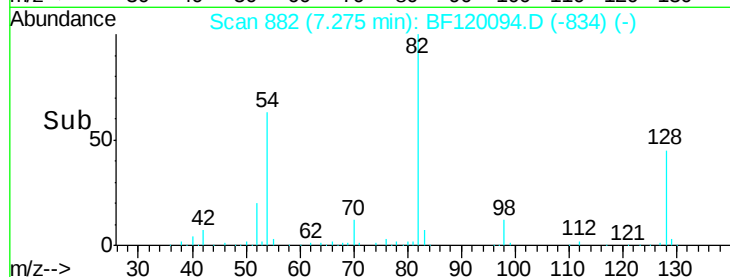
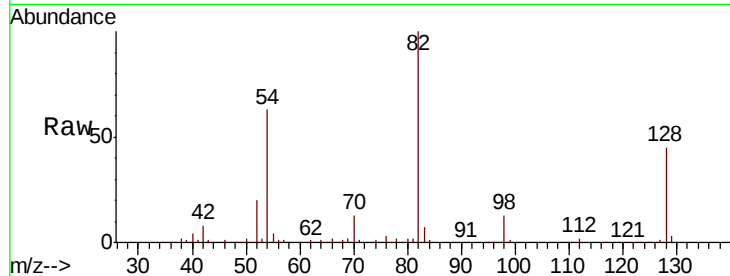
#23
Nitrobenzene-d5
Concen: 19.082 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Instrument :
BNA_F
ClientSampleId :
WB-8-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.2	54.4
54	62.7	50.4	75.6

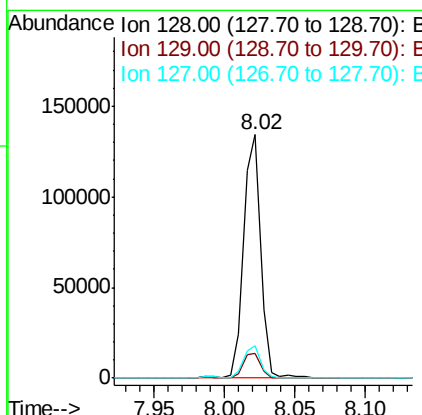
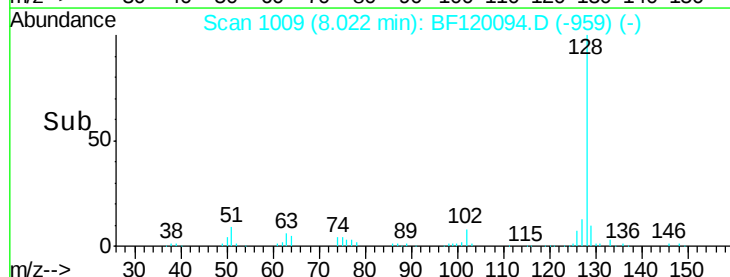
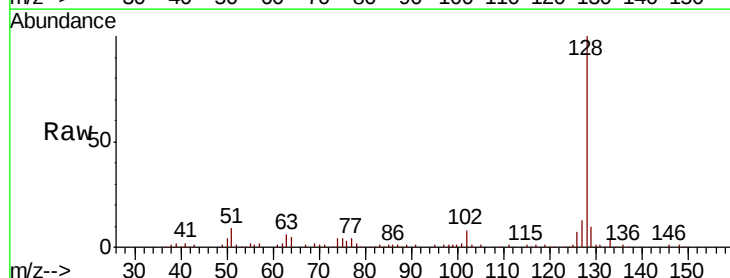
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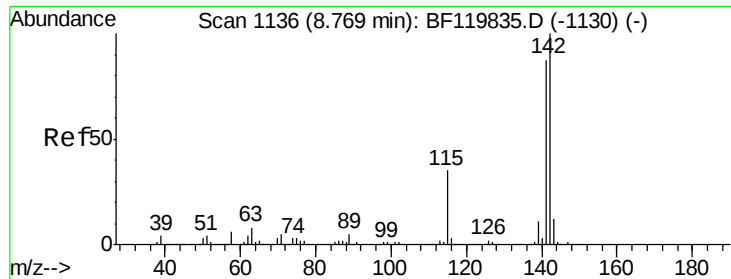
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#31
Naphthalene
Concen: 3.970 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	13.2	11.0	16.4





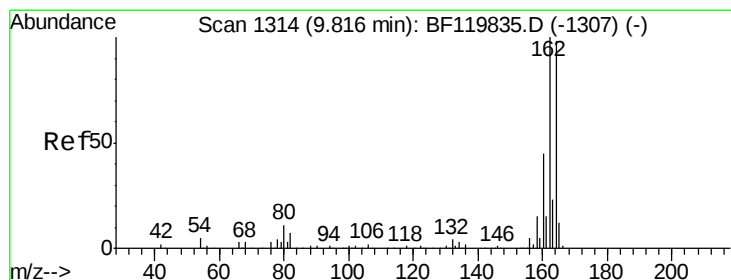
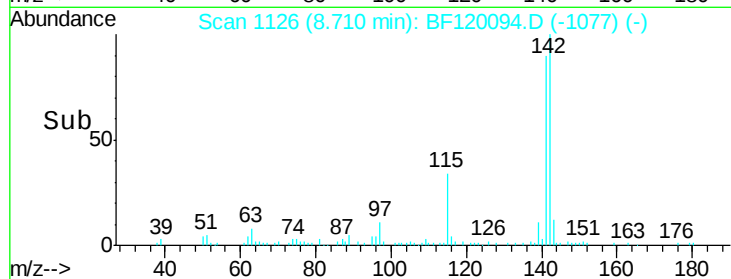
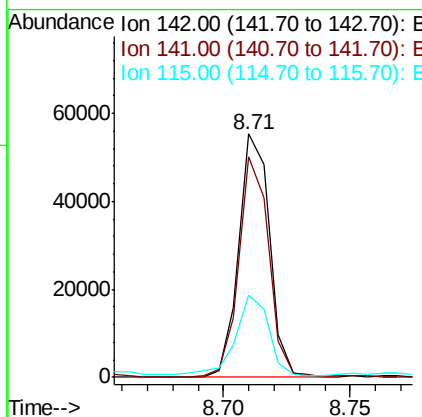
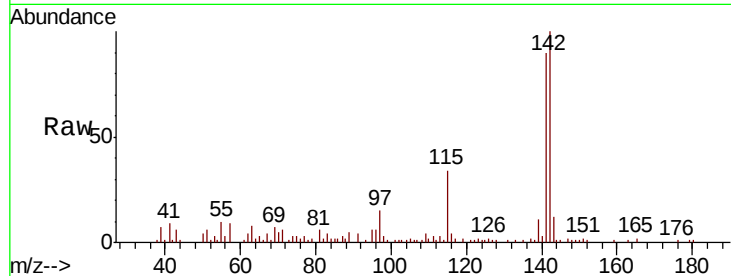
#37
2-Methylnaphthalene
Concen: 2.420 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Instrument :
BNA_F
ClientSampleId :
WB-8-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	69.9	104.9
115	33.6	28.0	42.0

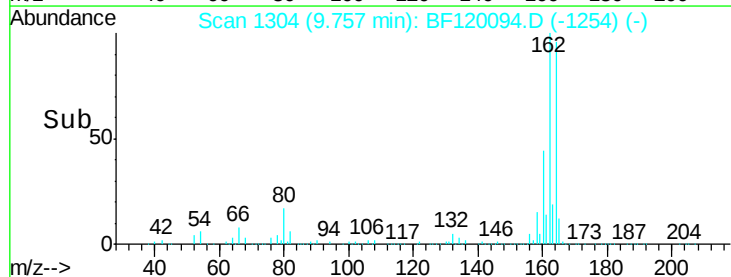
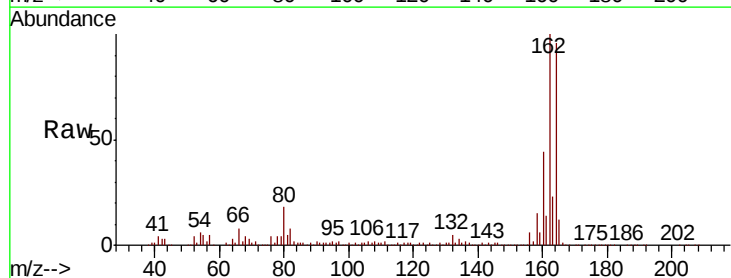
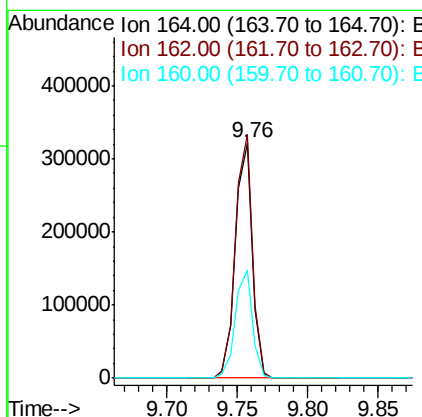
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.9	122.9
160	46.1	36.6	54.8





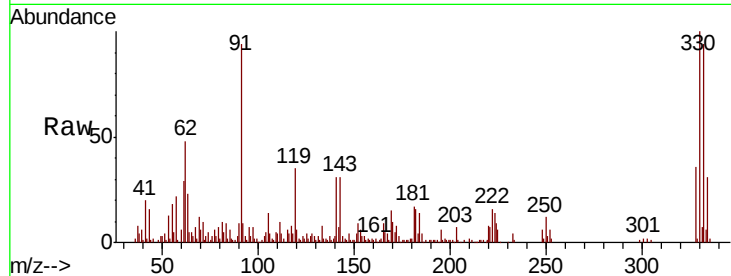
#42
 2,4,6-Tribromophenol
 Concen: 22.883 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF120094.D
 Acq: 20 Apr 2020 22:46

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.8	115.2
141	35.8	25.1	37.7

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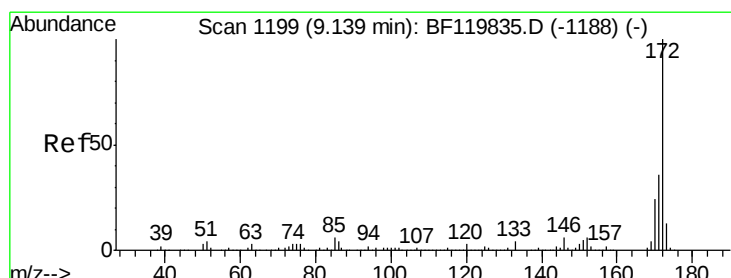
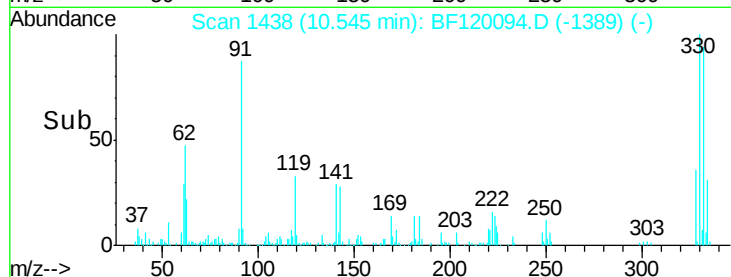
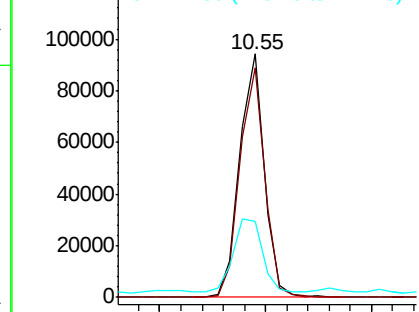


Abundance

Ion 329.80 (329.50 to 330.50): E

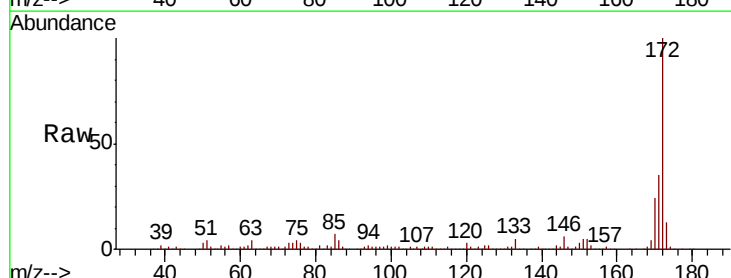
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 21.134 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF120094.D
 Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.9	43.3
170	23.5	19.4	29.2

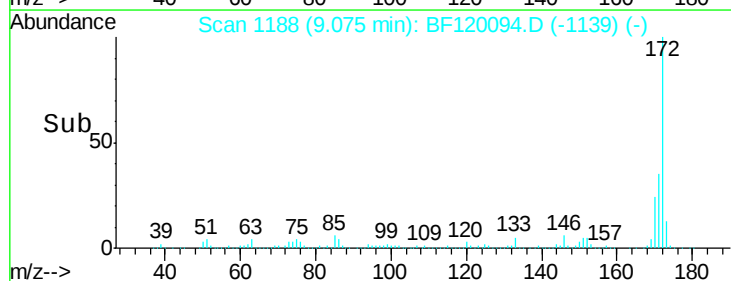
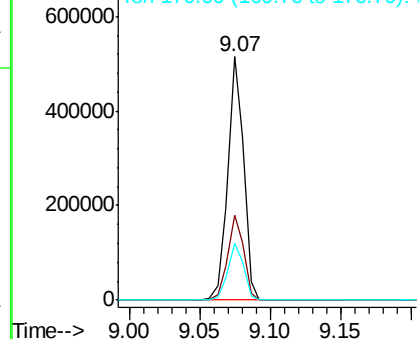


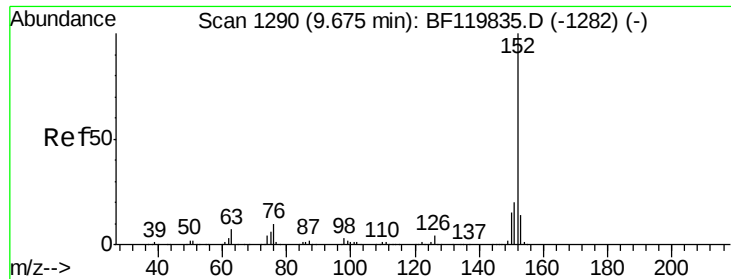
Abundance

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: 2.453 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Instrument :

BNA_F

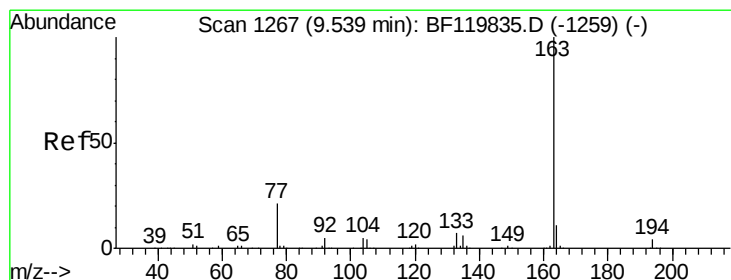
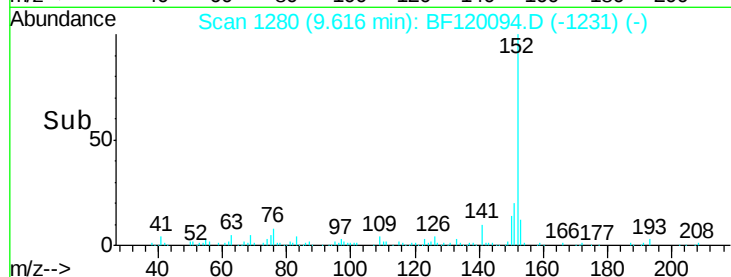
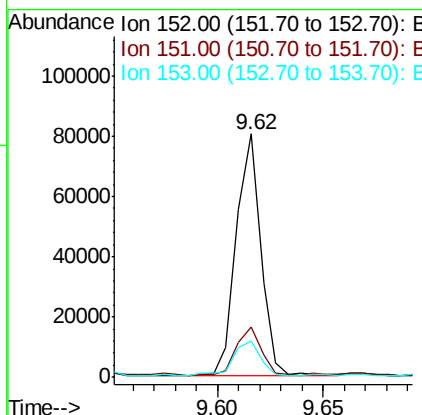
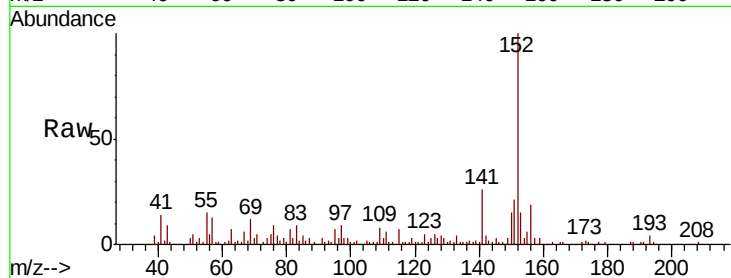
ClientSampleId :

WB-8-1

Tot Ion:	152	Resp:	65305
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.4
153	15.0	10.9	16.3

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#50

Dimethylphthalate

Concen: 3.410 ng

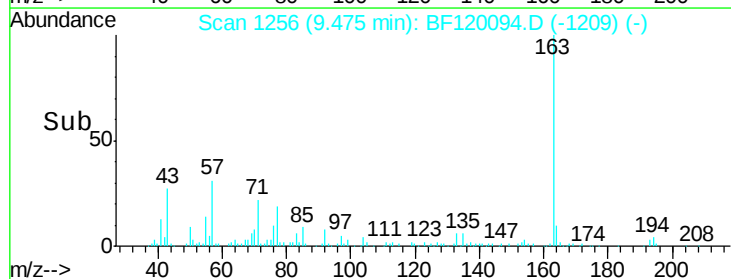
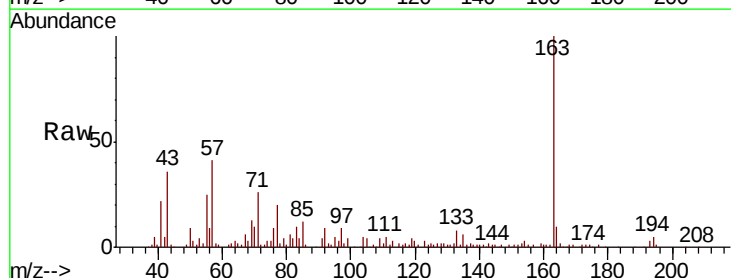
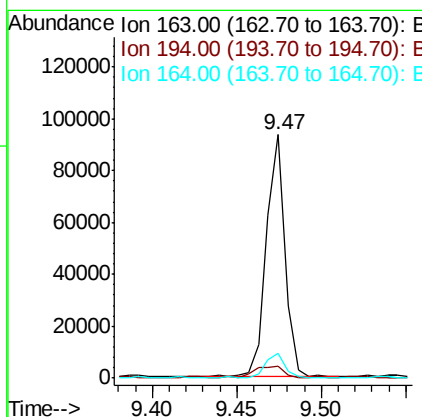
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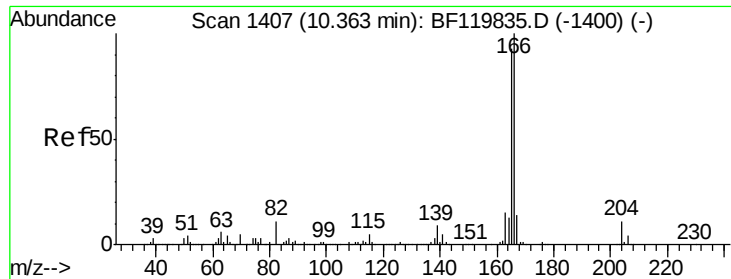
Delta R.T. -0.02 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Tgt Ion:	163	Resp:	71017
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.0	4.4#
164	10.1	8.4	12.6





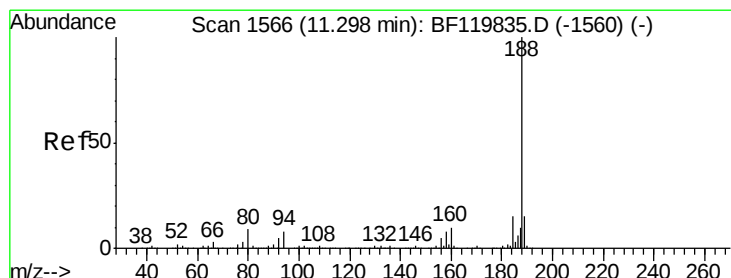
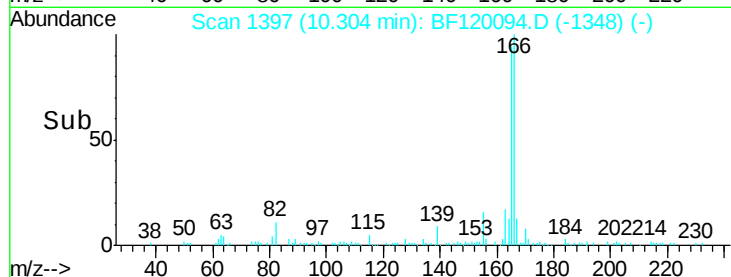
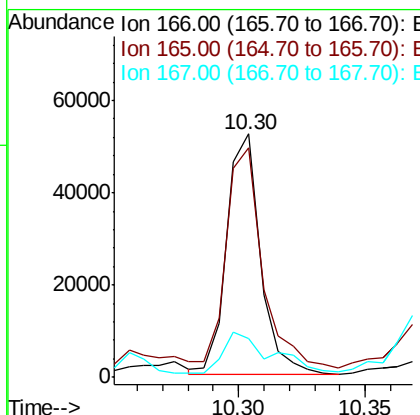
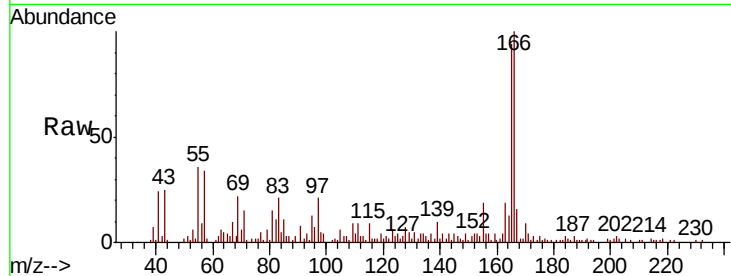
#58
 Fluorene
 Concen: 2.454 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF120094.D
 Acq: 20 Apr 2020 22:46

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		47831		
165	94.2	74.2	111.2		
167	15.8	10.8	16.2		

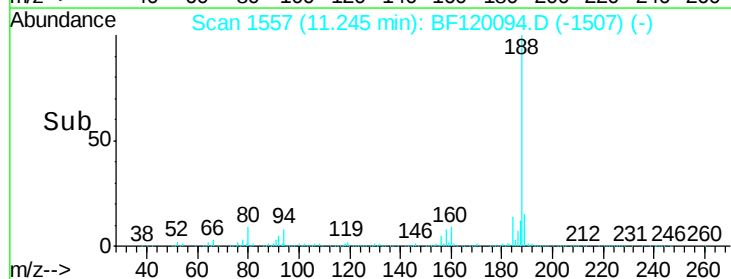
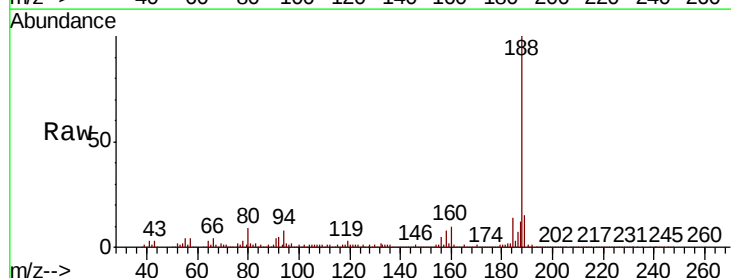
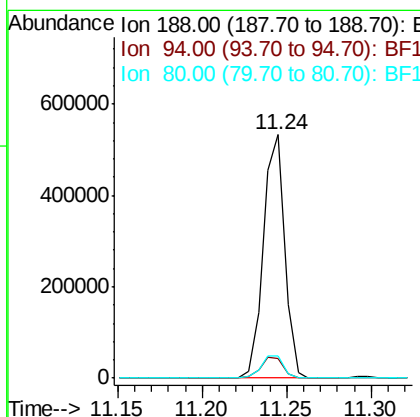
Manual Integrations
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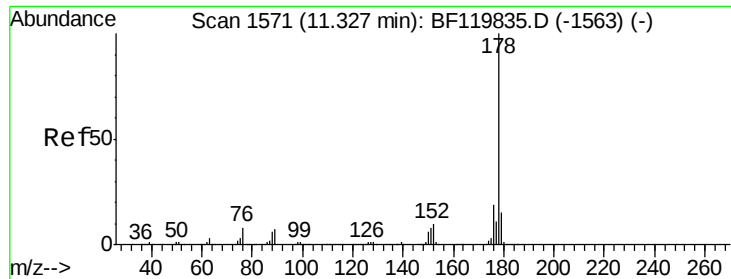
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF120094.D
 Acq: 20 Apr 2020 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		467579		
94	8.2	6.7	10.1		
80	8.9	7.4	11.2		





#71

Phenanthrene

Concen: 14.142 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Instrument :

BNA_F

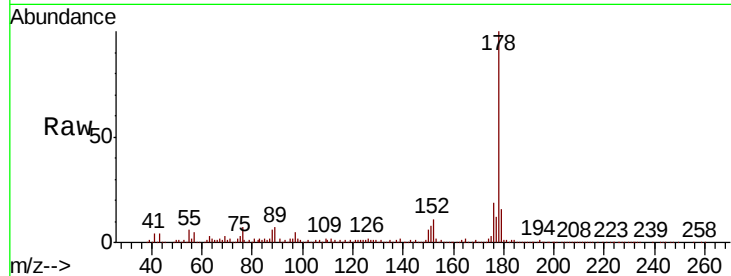
ClientSampleId :

WB-8-1

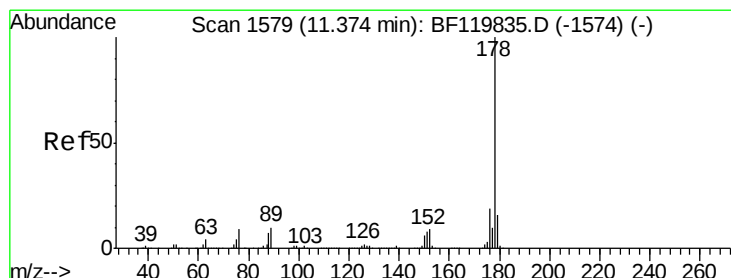
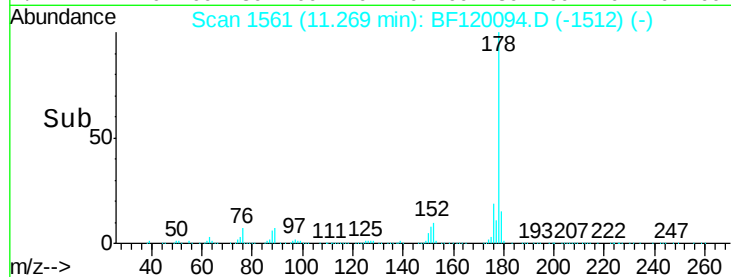
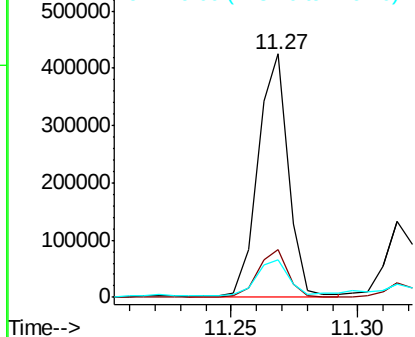
Tot Ion:178	Resp:	351916
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.1 22.7
179	15.6	12.2 18.4

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



#72

Anthracene

Concen: 4.090 ng

RT: 11.32 min Scan# 1569

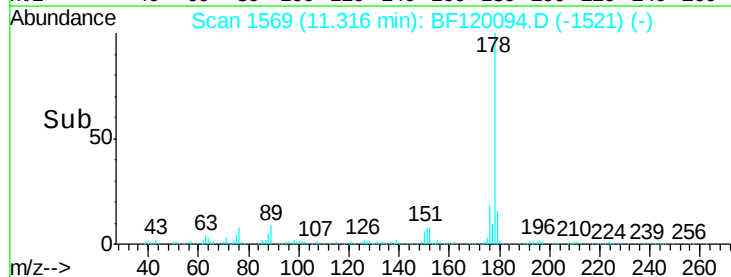
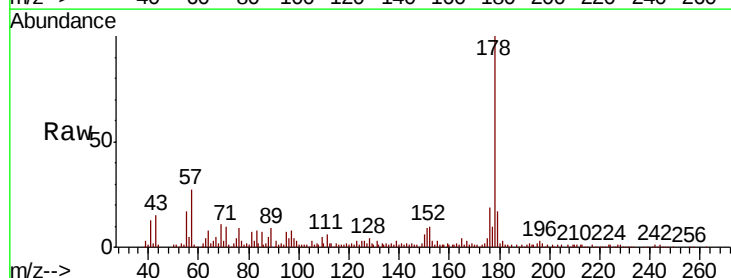
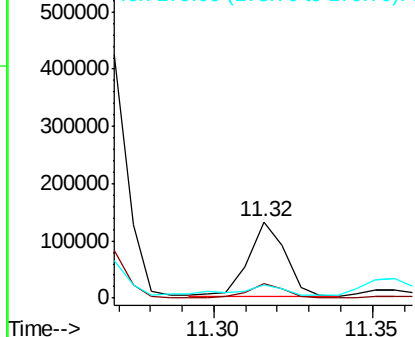
Delta R.T. -0.02 min

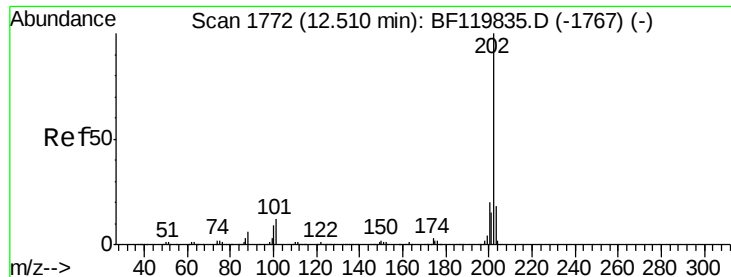
Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Tgt Ion:178	Resp:	103974
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.2
179	16.8	12.8 19.2

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





#75

Fluoranthene

Concen: 16.560 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Instrument :

BNA_F

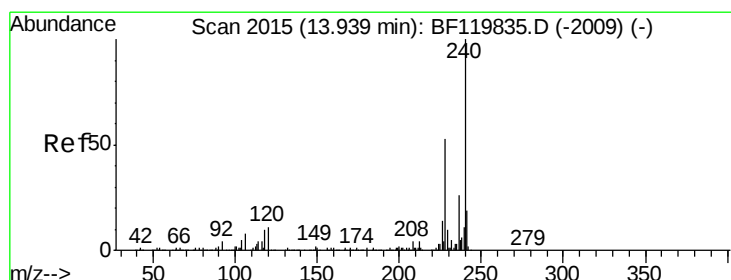
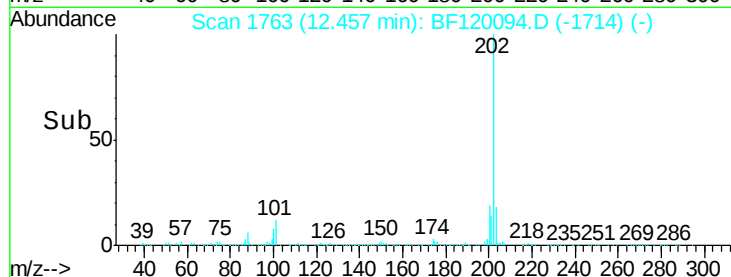
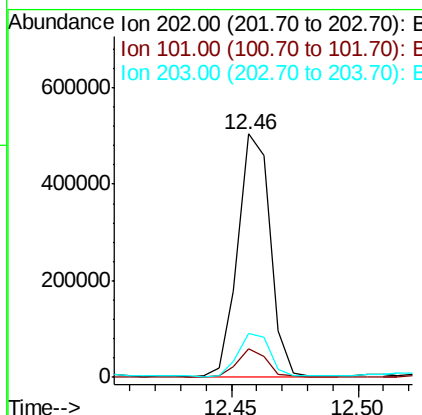
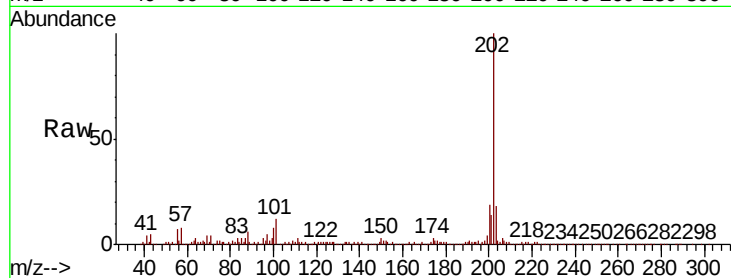
ClientSampleId :

WB-8-1

Tot Ion:	202	Resp:	444648
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	32.3
203	18.2	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

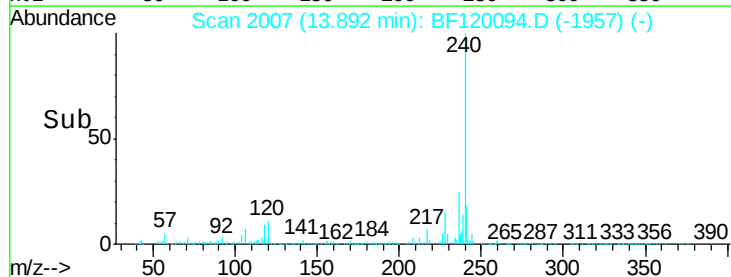
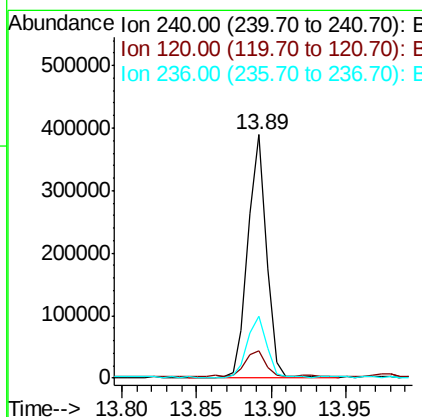
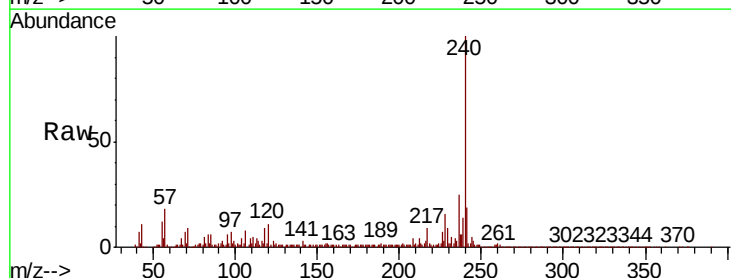
RT: 13.89 min Scan# 2007

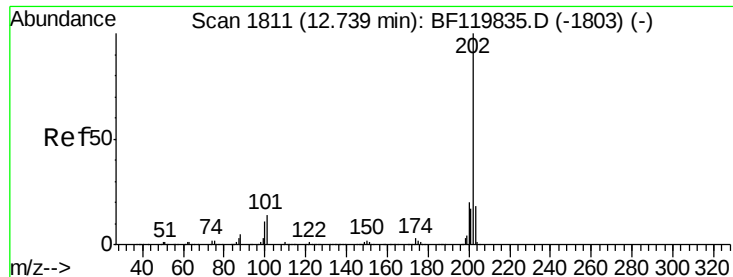
Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Tgt Ion:	240	Resp:	331271
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.0	13.6
236	25.5	20.7	31.1





#78

Pvrene

Concen: 19.402 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Instrument :

BNA_F

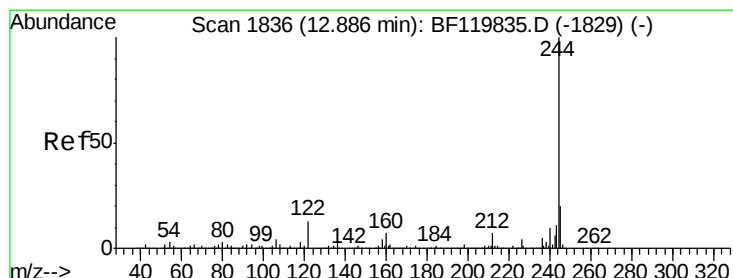
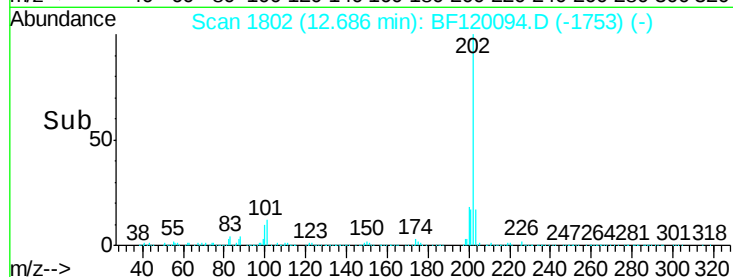
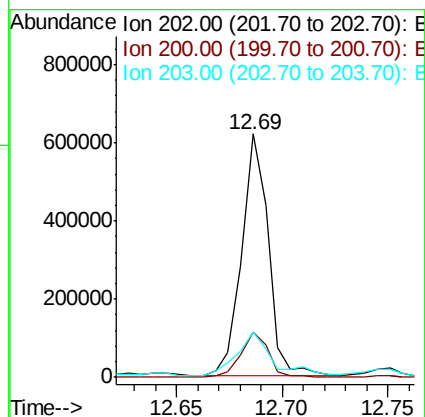
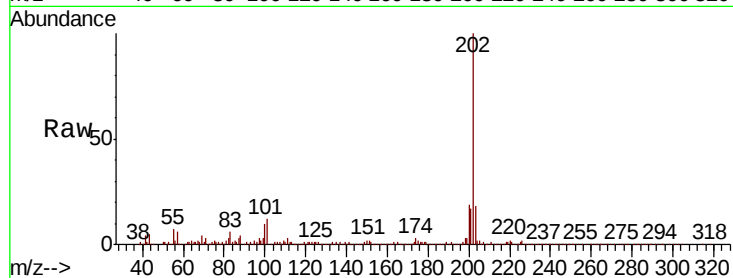
ClientSampleId :

WB-8-1

Tot Ion:	202	Resp:	541826
Ion Ratio	Lower	Upper	
202	100		
200	18.6	16.2	24.2
203	18.3	14.1	21.1

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#79

Terphenyl-d14

Concen: 19.685 ng

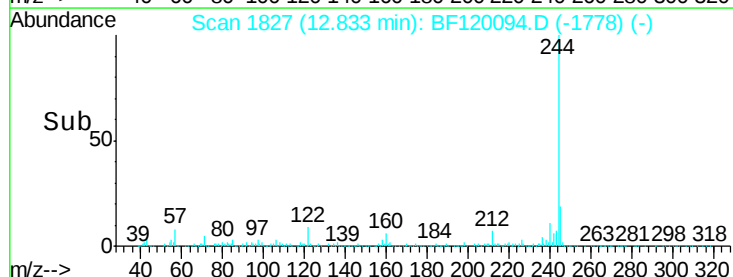
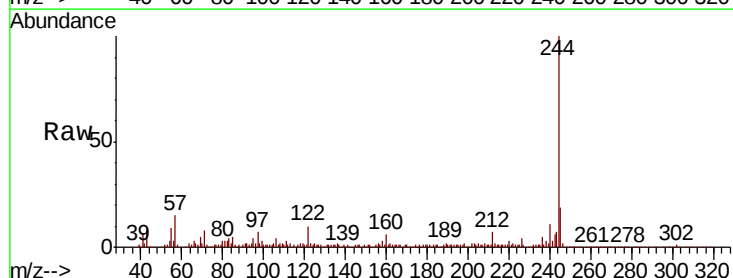
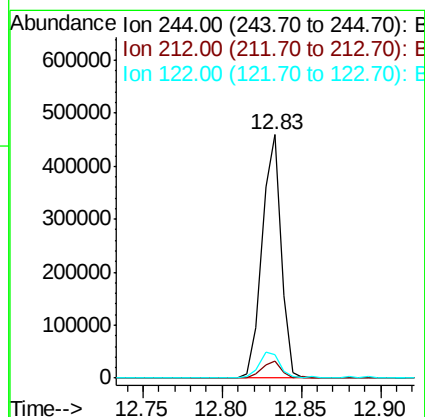
RT: 12.83 min Scan# 1827

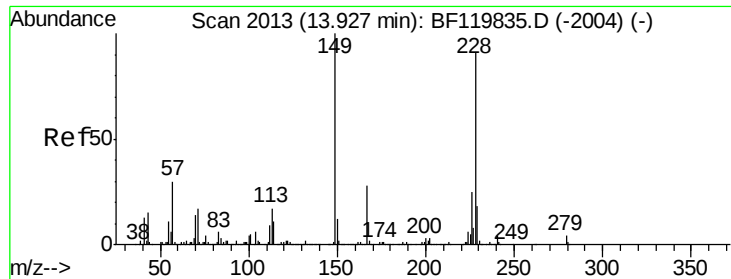
Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Tgt Ion:	244	Resp:	387541
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	9.7	10.3	15.5#





#81

Benzo(a)anthracene

Concen: 13.374 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Instrument :

BNA_F

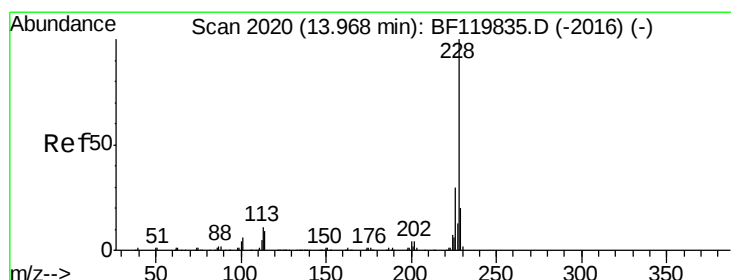
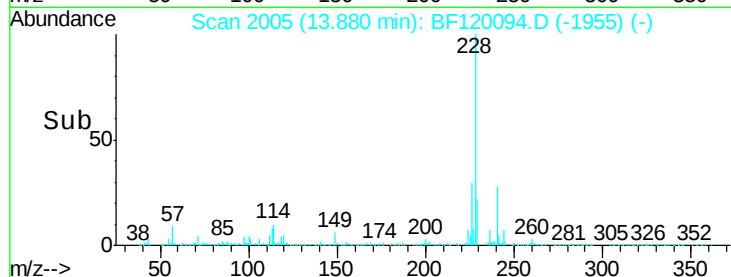
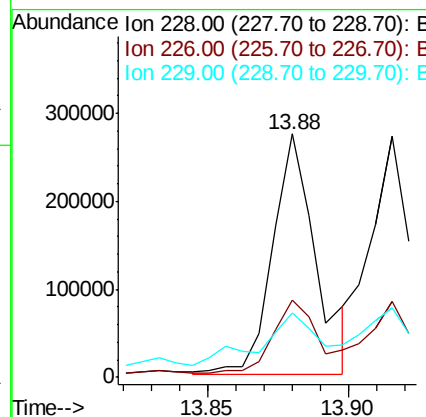
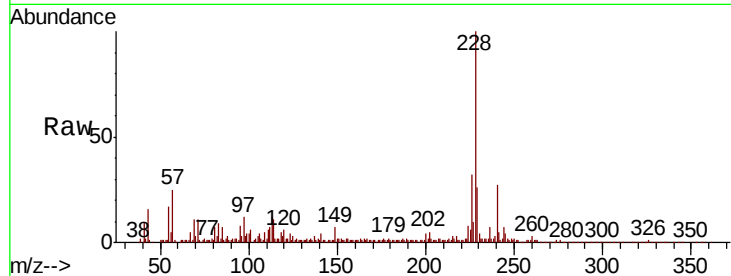
ClientSampled :

WB-8-1

Tot Ion:	228	Resp:	291467
Ion Ratio	Lower	Upper	
228	100		
226	31.6	21.9	32.9
229	26.3	15.9	23.9

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#83

Chrysene

Concen: 11.811 ng

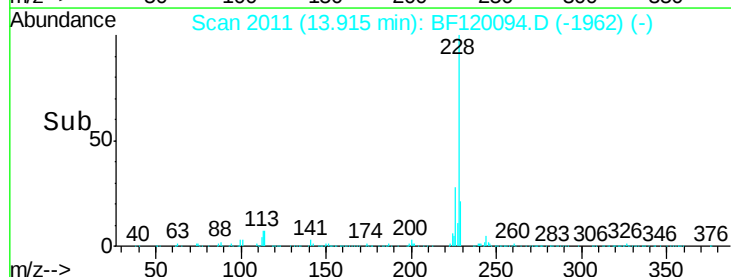
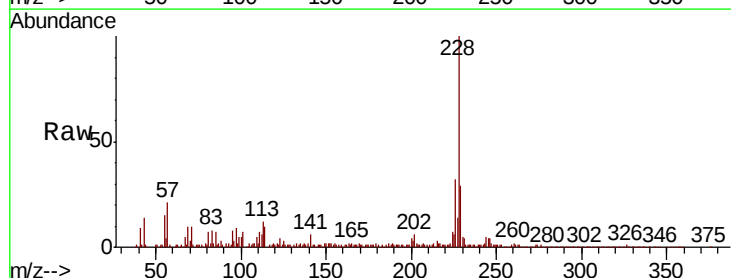
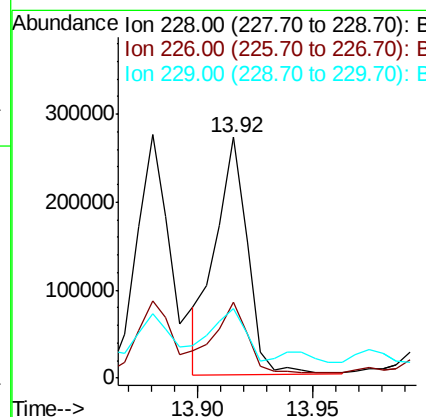
RT: 13.92 min Scan# 2011

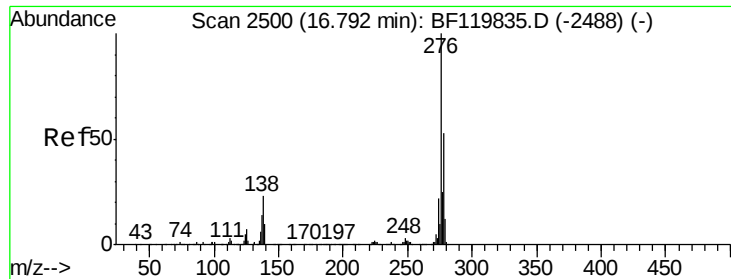
Delta R.T. -0.01 min

Lab File: BF120094.D

Acq: 20 Apr 2020 22:46

Tgt Ion:	228	Resp:	261544
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.2	36.2
229	29.0	15.9	23.9





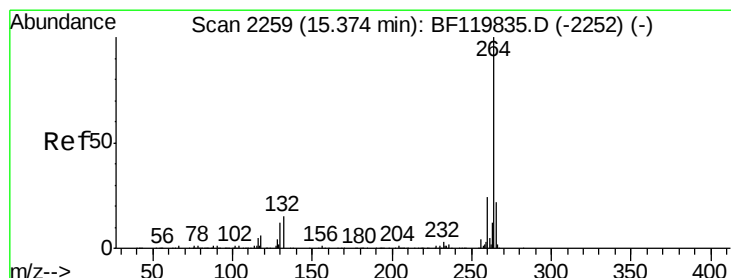
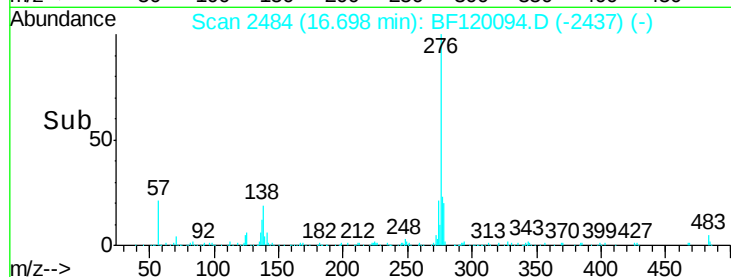
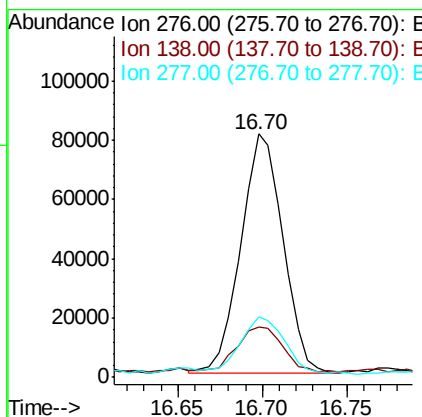
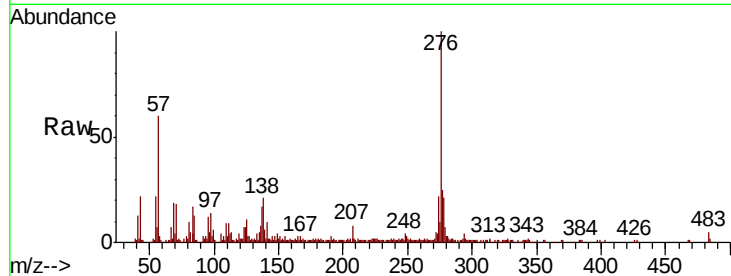
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.194 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.02 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Instrument :
BNA_F
ClientSampled :
WB-8-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.0	27.0
277	24.8	20.1	30.1

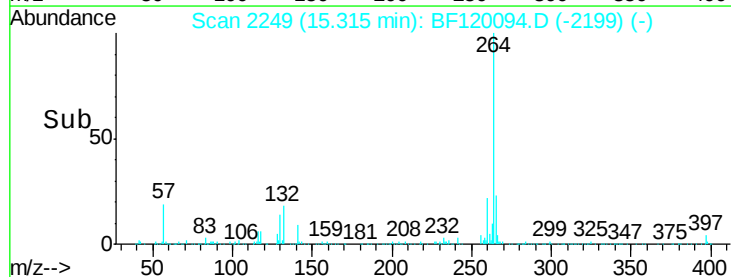
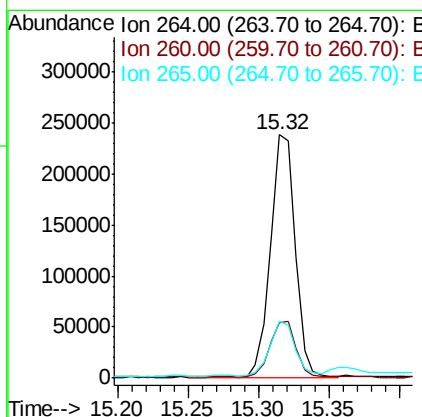
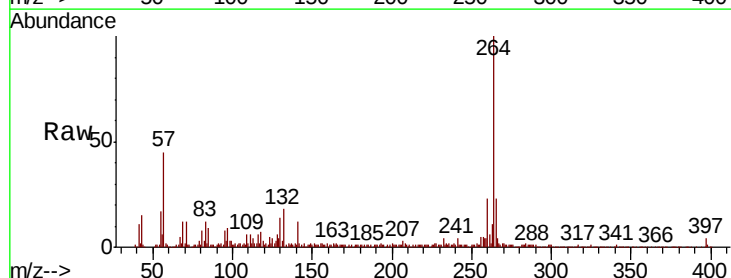
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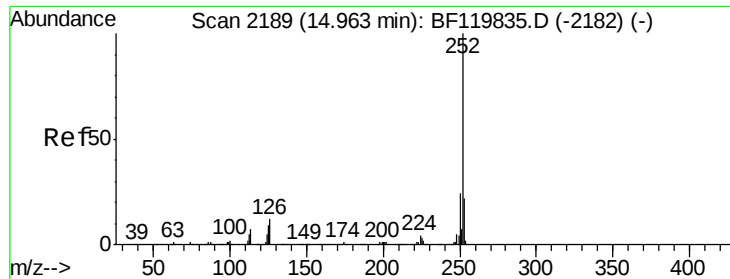
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	23.1	17.6	26.4





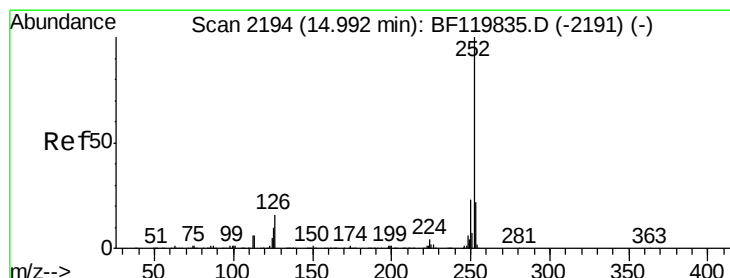
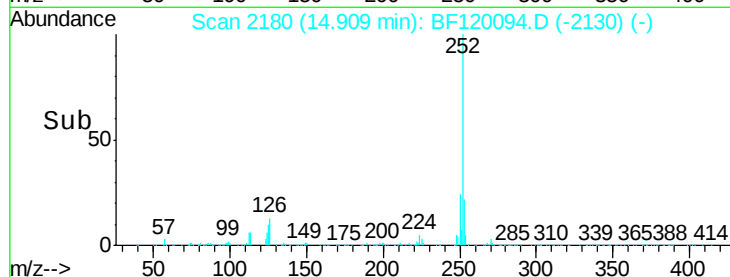
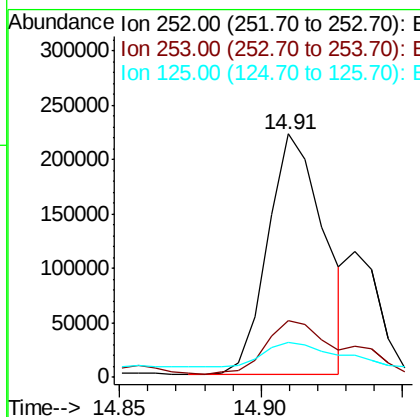
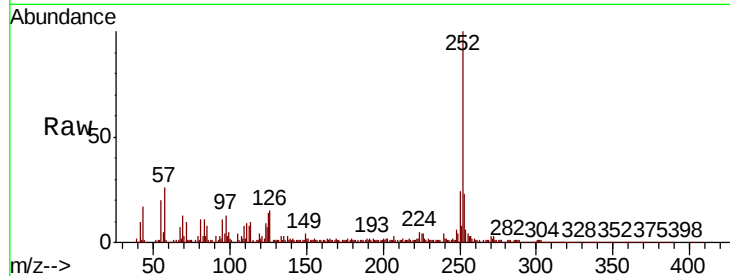
#88
Benzo(b)fluoranthene
Concen: 14.441 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Instrument :
BNA_F
ClientSampleId :
WB-8-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	14.3	7.4	11.2

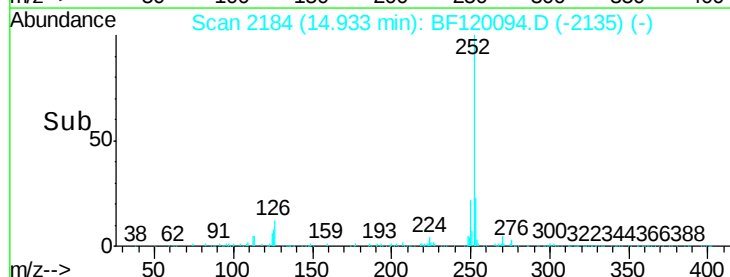
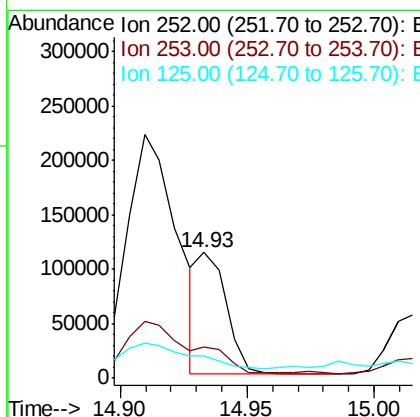
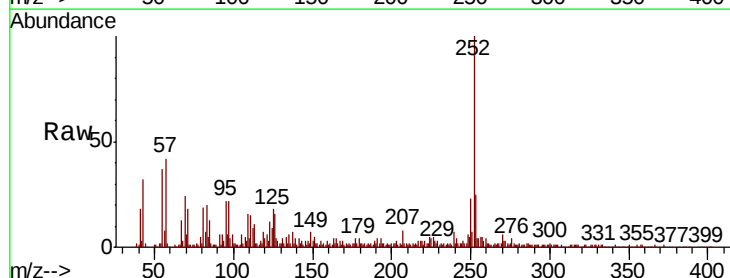
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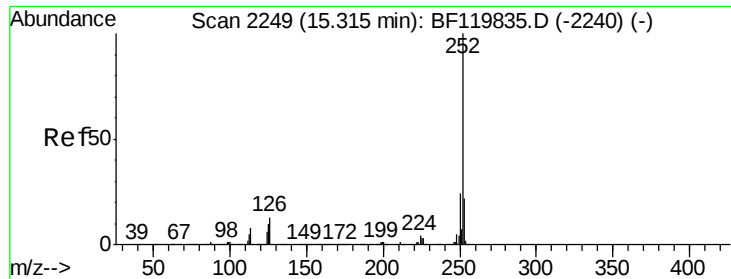
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#89
Benzo(k)fluoranthene
Concen: 4.727 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	17.6	7.7	11.5





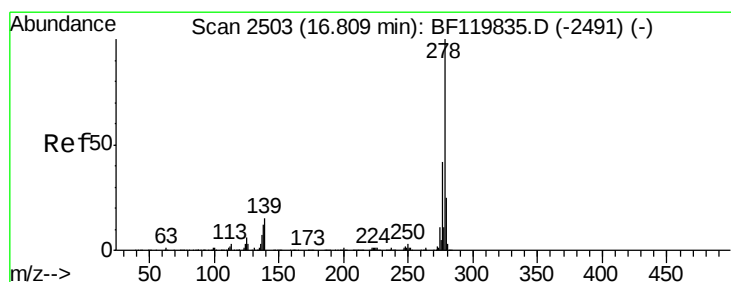
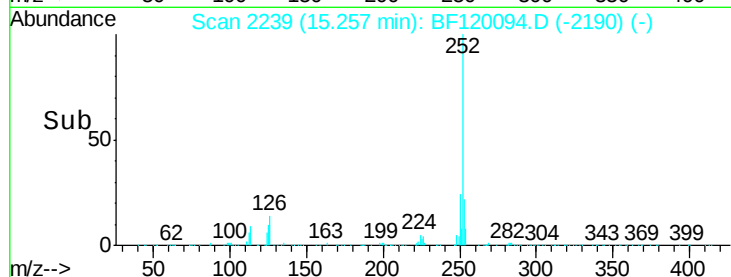
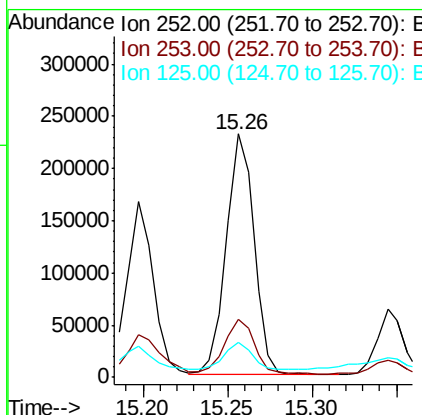
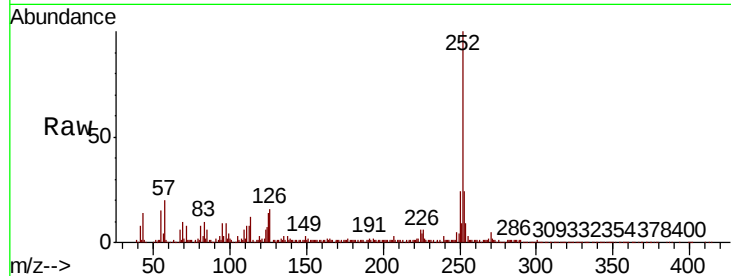
#90
Benzo(a)pyrene
Concen: 14.840 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Instrument :
BNA_F
ClientSampleId :
WB-8-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	14.3	8.3	12.5

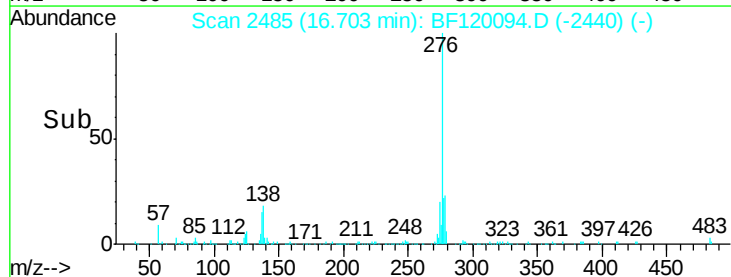
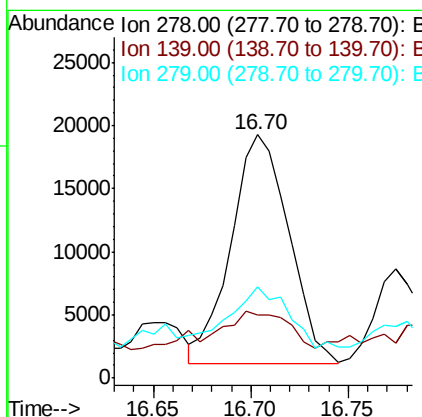
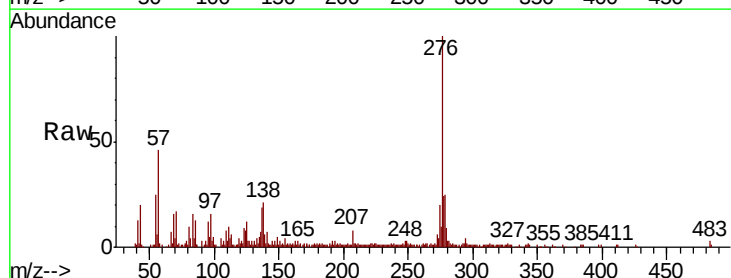
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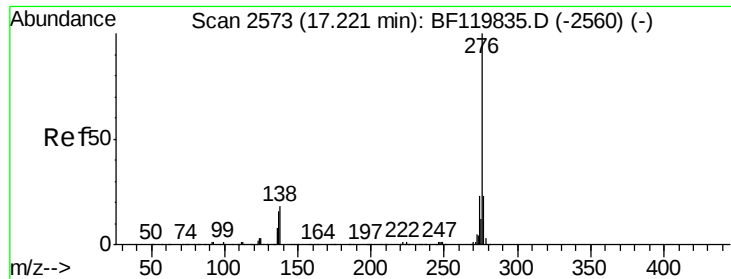
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.369 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.04 min
Lab File: BF120094.D
Acq: 20 Apr 2020 22:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	11.6	17.4
279	37.4	19.7	29.5





#92
 Benzo(a,h,i)perylene
 Concen: 8.594 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.02 min
 Lab File: BF120094.D
 Acq: 20 Apr 2020 22:46

Instrument :
 BNA_F
 ClientSampleId :
 WB-8-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	20.7	14.6	22.0

Manual Integrations
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