

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121836.D
 Acq On : 6 Oct 2020 1:00
 Operator : JU/CG
 Sample : L4247-02MS 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MS

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:36:41 AM

Quant Time: Oct 06 02:54:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	87479	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	320629	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	146062	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	230112	20.00	ng	0.00
76) Chrysene-d12	13.92	240	235361	20.00	ng	-0.01
86) Perylene-d12	15.36	264	213168	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	14150	2.40	ng	0.00
7) Phenol-d6	6.41	99	18768	2.43	ng	0.00
23) Nitrobenzene-d5	7.33	82	14302	2.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	3411	1.88	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	24900	2.58	ng	-0.01
79) Terphenyl-d14	12.86	244	27079	2.33	ng	-0.02
Target Compounds						
22) Acetophenone	7.16	105	18630	2.290	ng	# 46
26) 2-Nitrophenol	7.67	139	2190	3.241	ng	# 61
32) Benzoic acid	7.83	122	338	7.008	ng	# 64
35) Caprolactam	8.47	113	6496	3.991	ng	# 11
37) 2-Methylnaphthalene	8.76	142	28921	2.607	ng	98
38) 1-Methylnaphthalene	8.86	142	25002m	2.422	ng	
65) 4,6-Dinitro-2-methylphenol	10.61	198	581	7.205	ng	# 1
66) n-Nitrosodiphenylamine	10.46	169	16413	2.079	ng	# 85

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

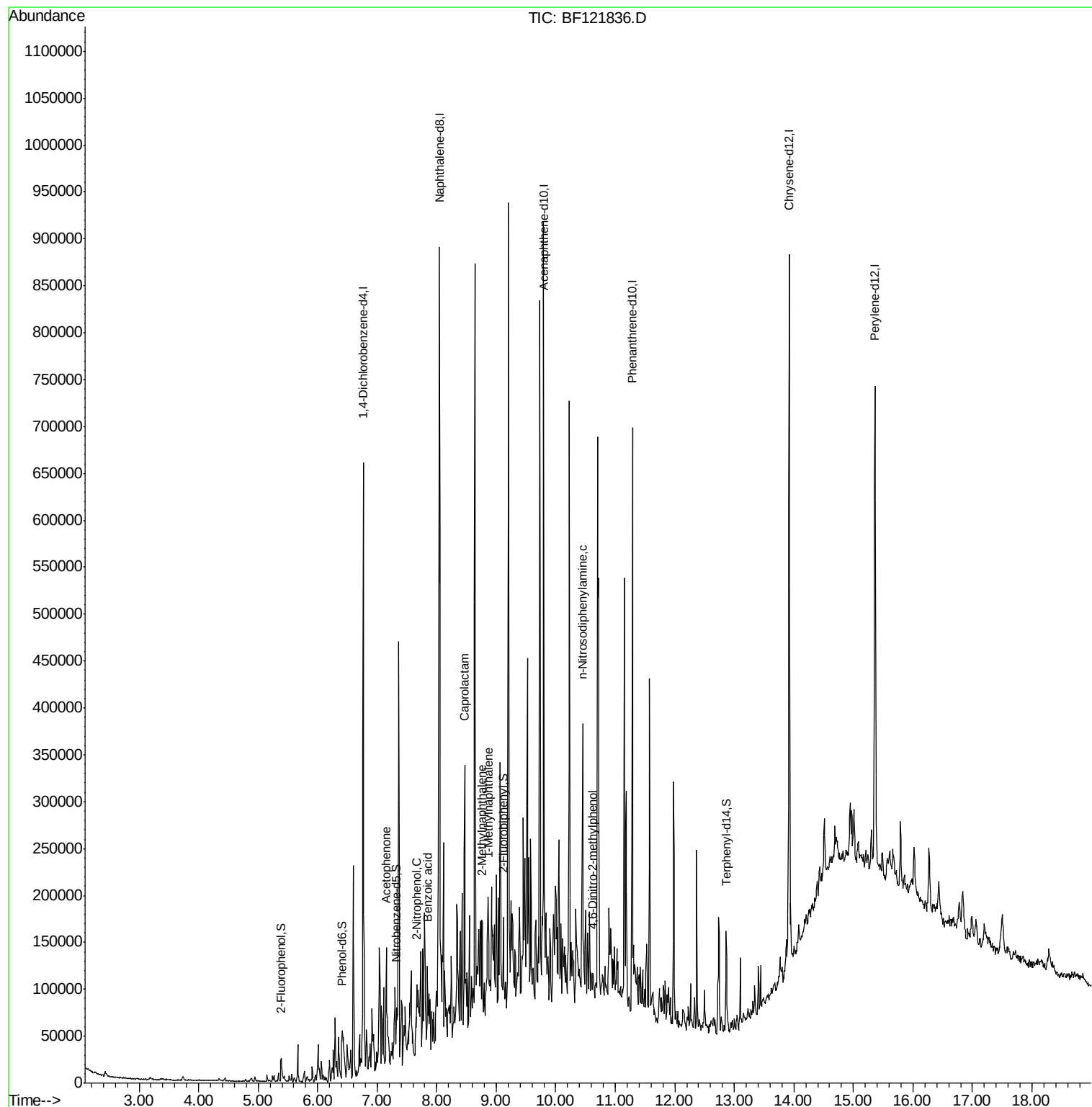
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121836.D
Acq On : 6 Oct 2020 1:00
Operator : JU/CG
Sample : L4247-02MS 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

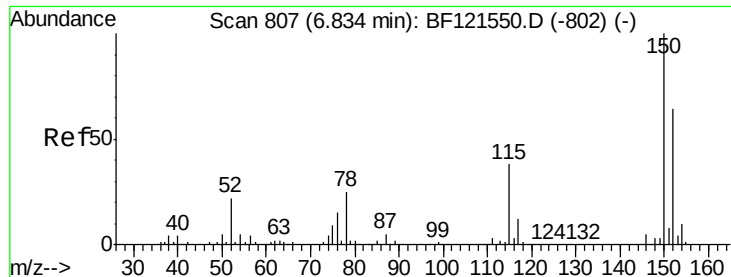
Instrument :
BNA_F
ClientSampleId :
B-18(0-1)MS

Manual Integrations
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10/7/2020 10:36:41 AM

Quant Time: Oct 06 02:54:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Instrument :

BNA_F

ClientSampleId :

B-18(0-1)MS

Tot Ion:152 Resp: 87479

Ion Ratio Lower Upper

152 100

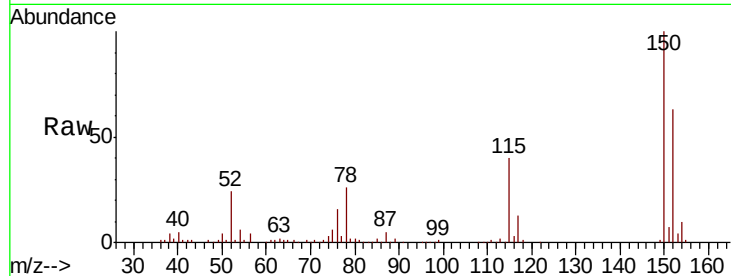
150 158.2 125.3 187.9

115 63.0 51.9 77.9

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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

200000

150000

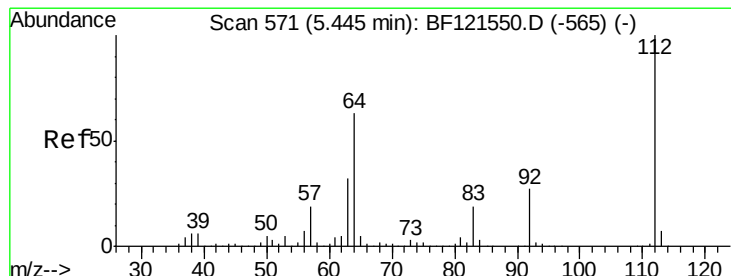
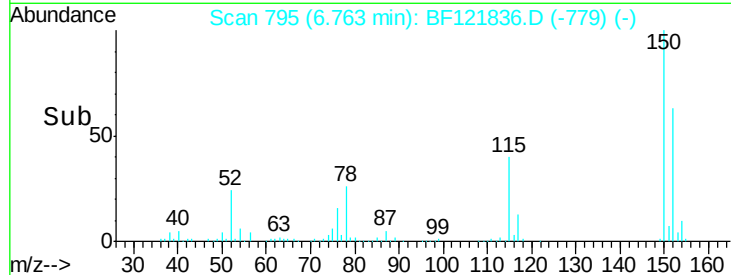
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#5

2-Fluorophenol

Concen: 2.404 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

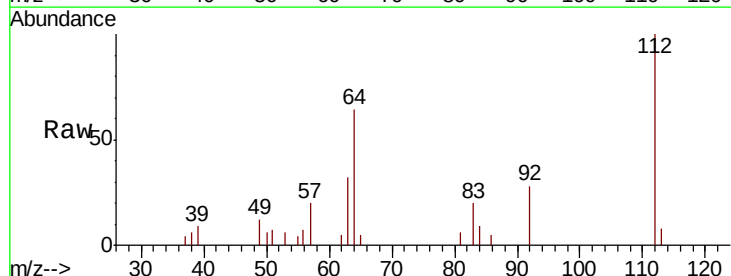
Tgt Ion:112 Resp: 14150

Ion Ratio Lower Upper

112 100

64 63.9 50.4 75.6

63 31.9 25.8 38.6



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

10000

8000

6000

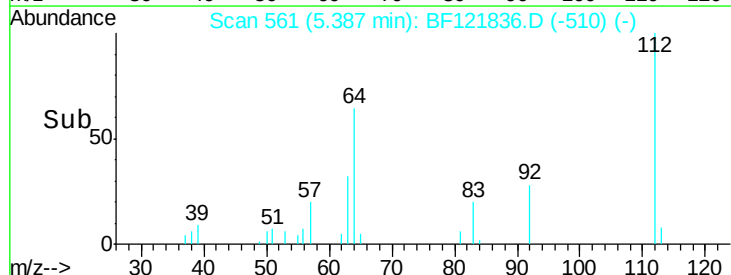
4000

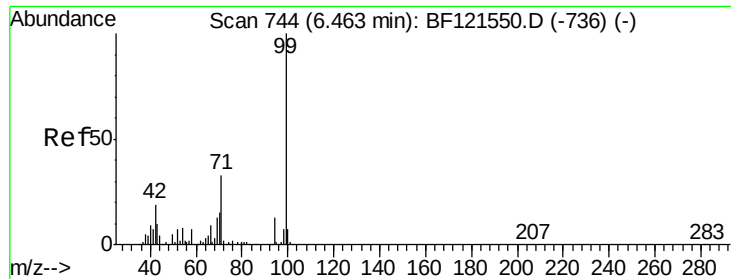
2000

0

5.30 5.40 5.50

Time-->





#7

Phenol-d6

Concen: 2.430 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Instrument :

BNA_F

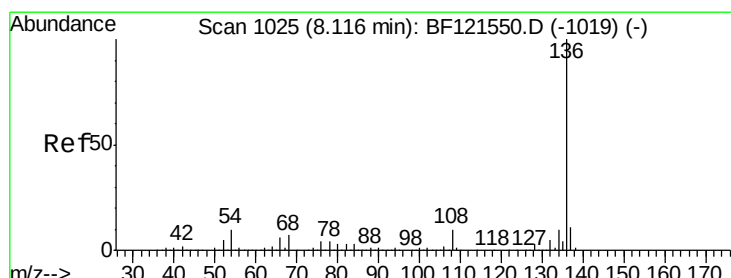
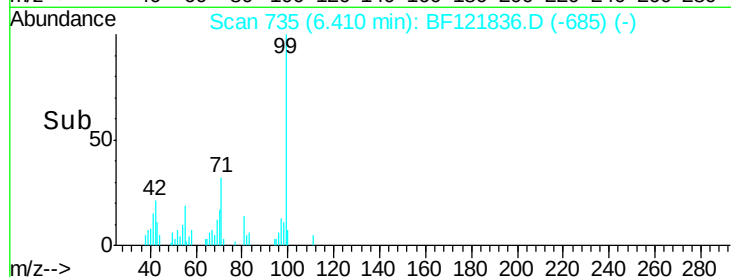
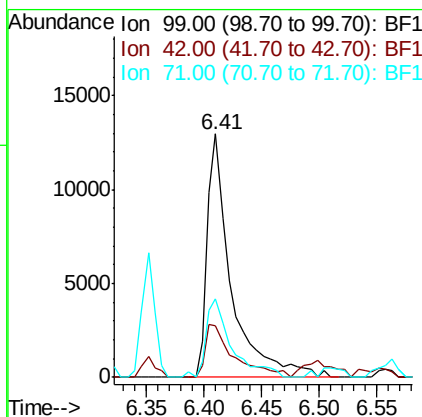
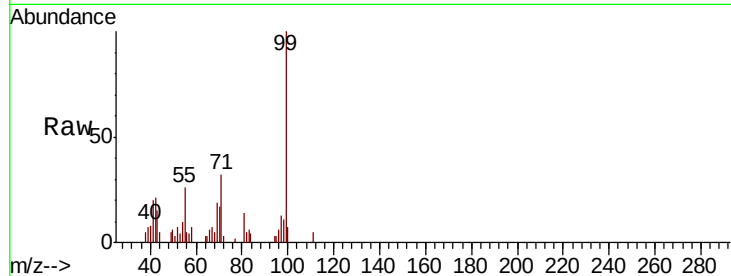
ClientSampleId :

B-18(0-1)MS

Tot Ion:	99	Resp:	18768
Ion Ratio	Lower	Upper	
99	100		
42	21.2	15.9	23.9
71	32.2	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

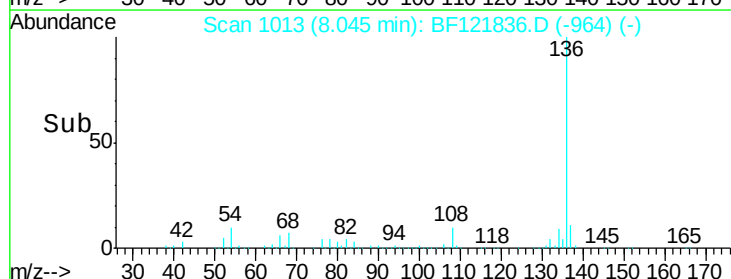
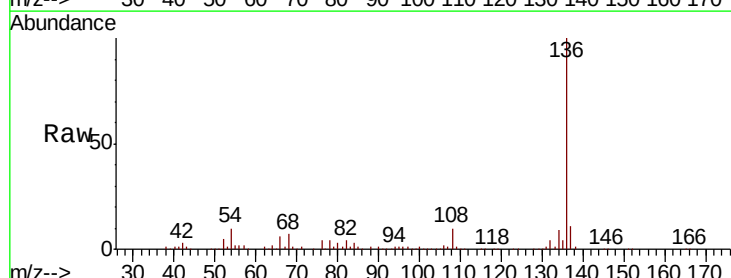
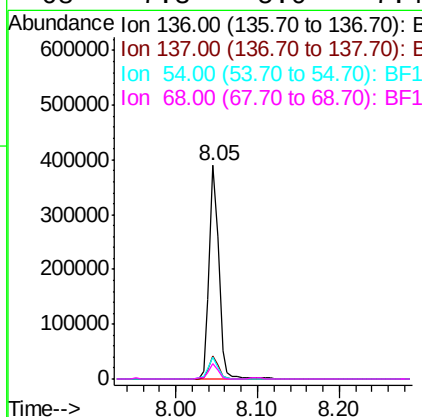
RT: 8.05 min Scan# 1013

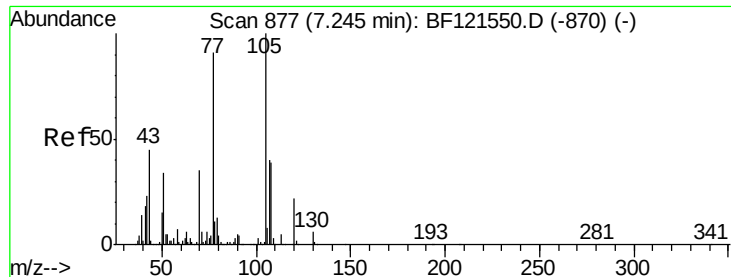
Delta R.T. -0.01 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Tgt Ion:	136	Resp:	320629
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	10.0	7.1	10.7
68	7.3	5.0	7.4





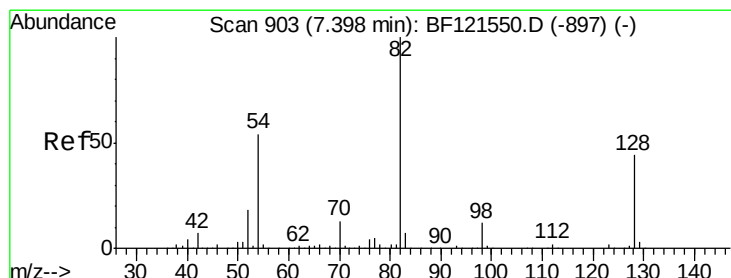
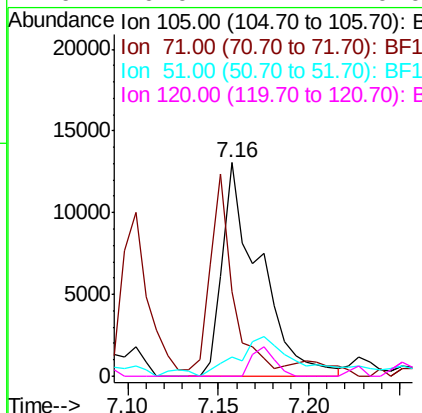
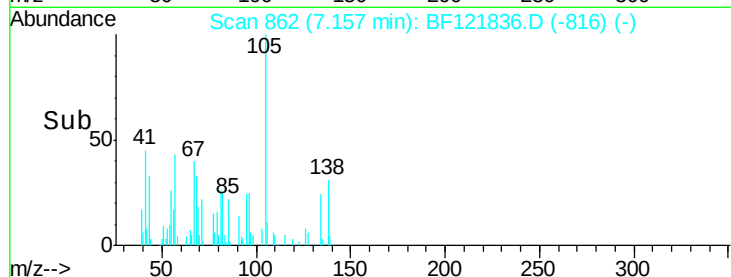
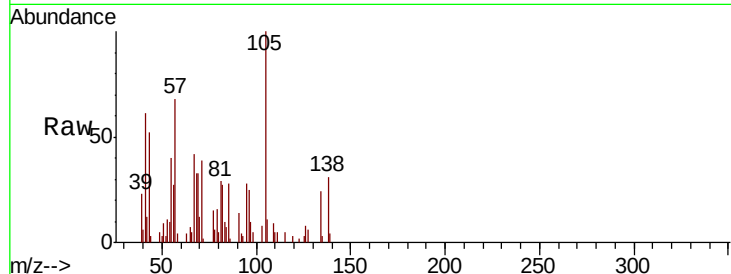
#22
Acetophenone
Concen: 2.290 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.03 min
Lab File: BF121836.D
Acq: 6 Oct 2020 1:00

Instrument :
BNA_F
ClientSampleId :
B-18(0-1)MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100			
71	39.4	5.3	7.9#	
51	9.0	33.2	49.8#	
120	0.0	17.4	26.0#	

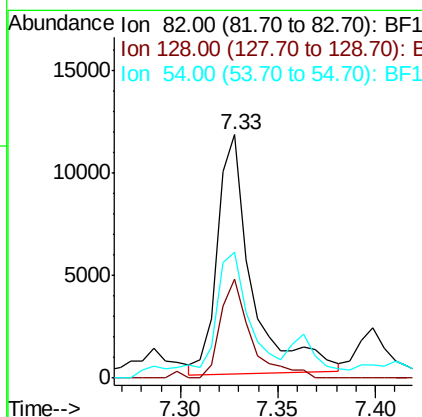
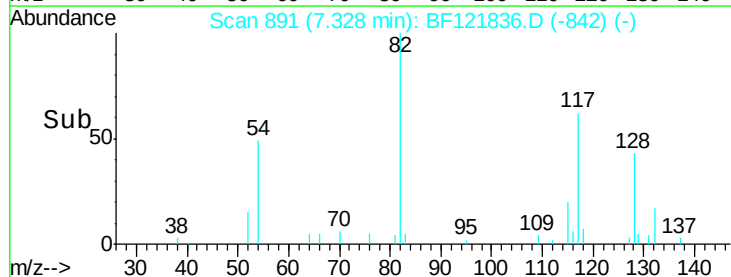
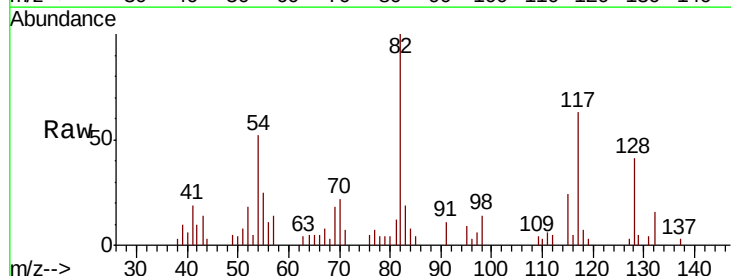
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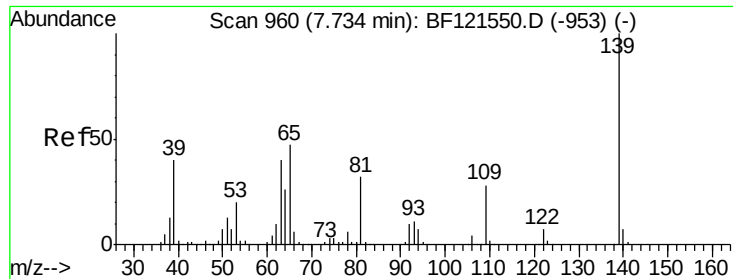
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#23
Nitrobenzene-d5
Concen: 2.395 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121836.D
Acq: 6 Oct 2020 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.8	35.0	52.4	
54	51.9	43.9	65.9	





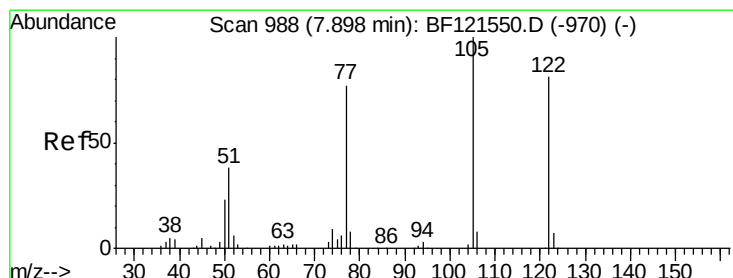
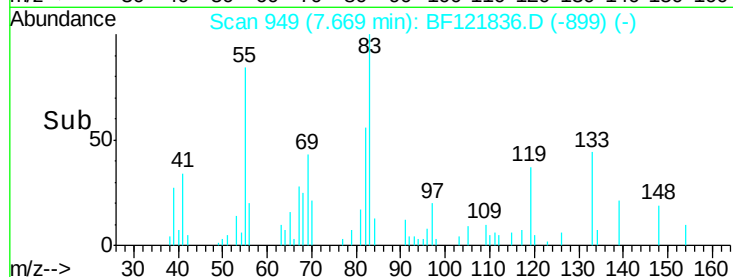
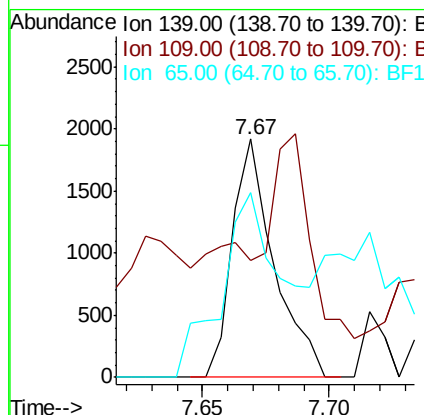
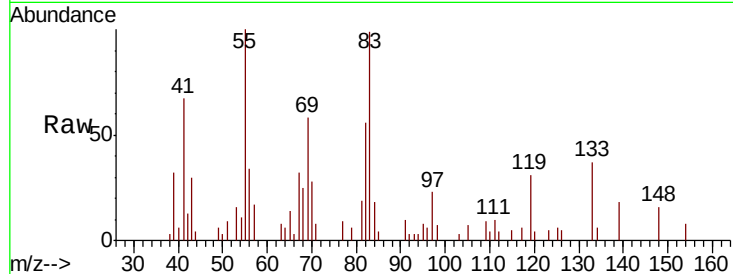
#26
2-Nitrophenol
Concen: 3.241 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF121836.D
Acq: 6 Oct 2020 1:00

Instrument :
BNA_F
ClientSampled :
B-18(0-1)MS

Tot Ion	Ratio	Lower	Upper
139	100		
109	48.9	23.0	34.4#
65	77.5	39.9	59.9#

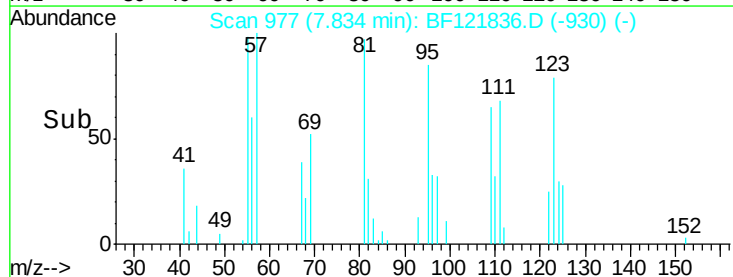
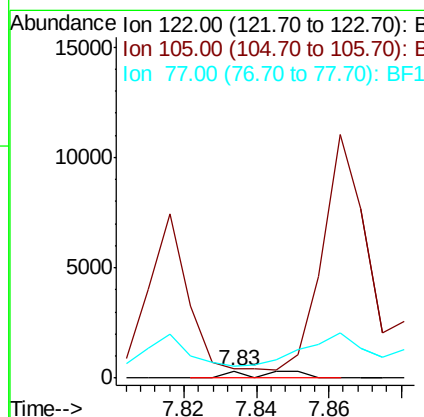
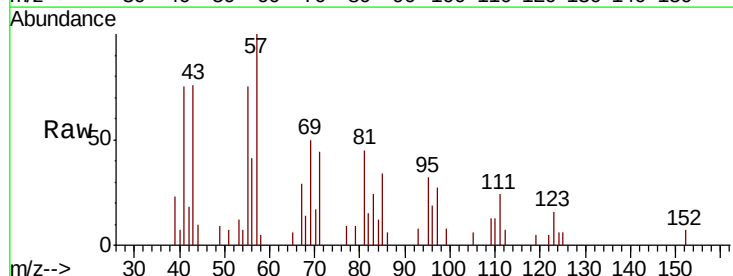
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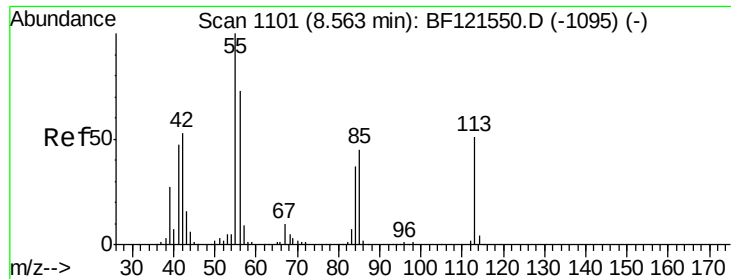
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#32
Benzoic acid
Concen: 7.008 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.02 min
Lab File: BF121836.D
Acq: 6 Oct 2020 1:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.4	103.3	143.3
77	170.3	73.9	113.9#





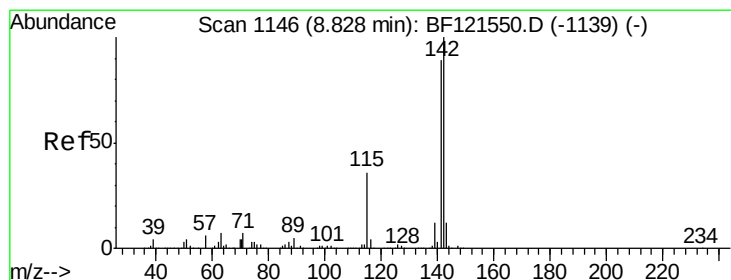
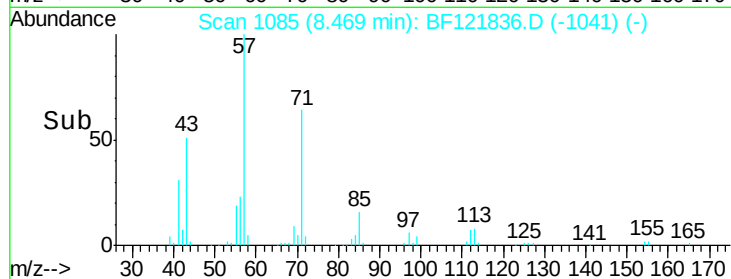
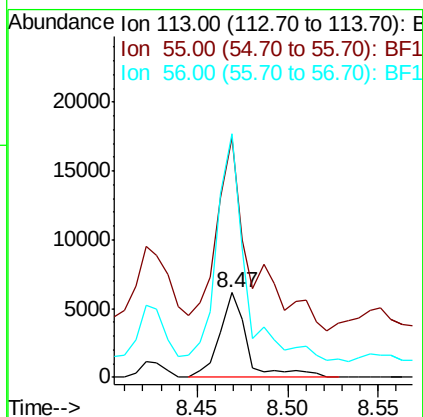
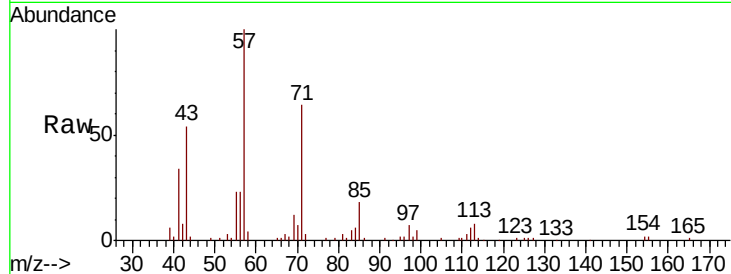
#35
 Caprolactam
 Concen: 3.991 ng
 RT: 8.47 min Scan# 1085
 Delta R.T. -0.04 min
 Lab File: BF121836.D
 Acq: 6 Oct 2020 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MS

Tot Ion:113 Resp: 6496
 Ion Ratio Lower Upper
 113 100
 55 283.2 167.5 207.5#
 56 287.6 121.2 161.2#

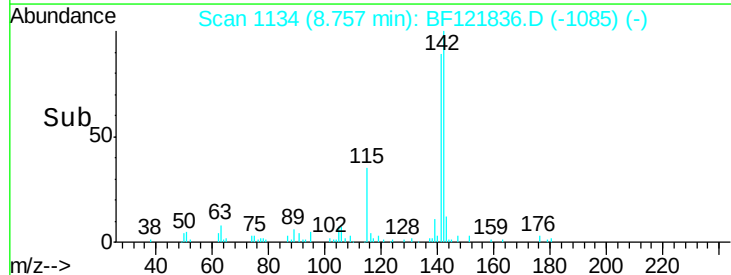
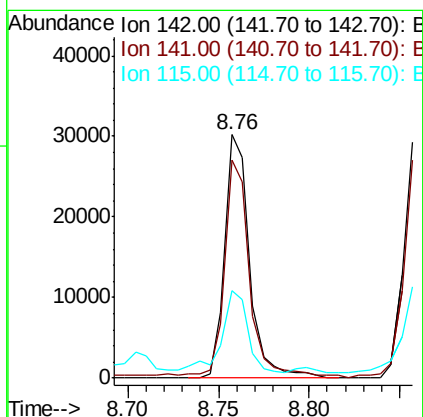
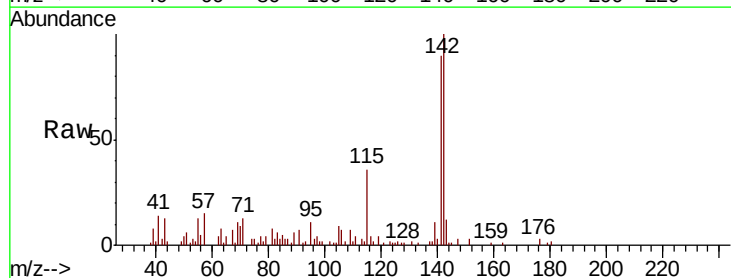
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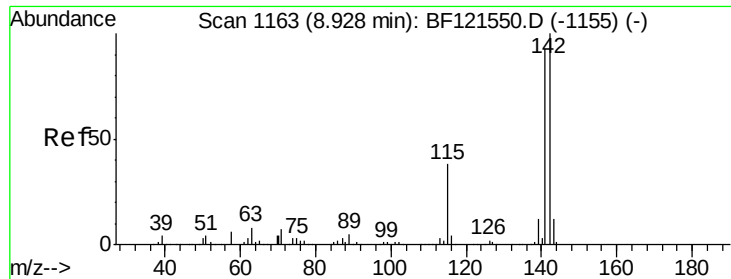
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#37
 2-Methylnaphthalene
 Concen: 2.607 ng
 RT: 8.76 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF121836.D
 Acq: 6 Oct 2020 1:00

Tgt Ion:142 Resp: 28921
 Ion Ratio Lower Upper
 142 100
 141 89.8 70.2 105.4
 115 36.0 28.6 43.0





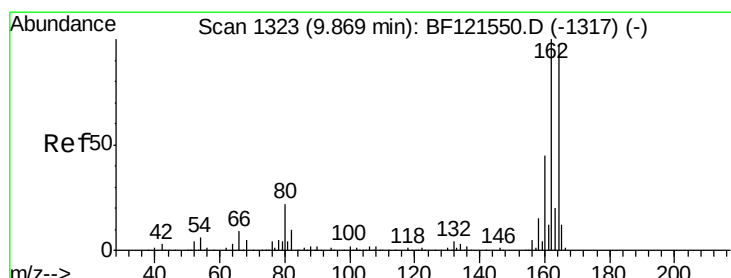
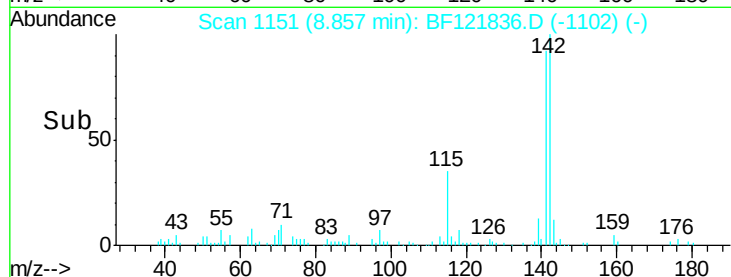
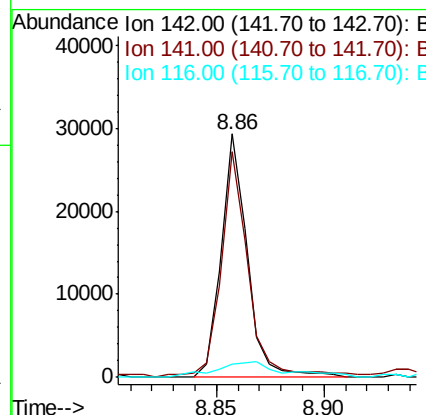
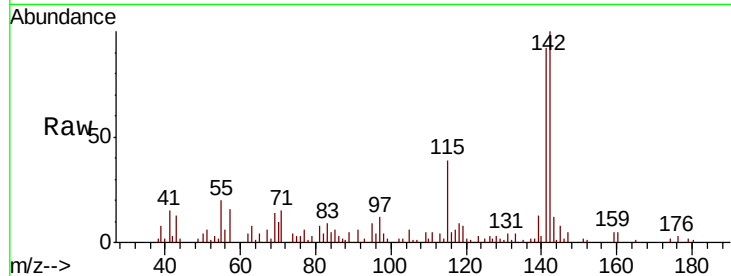
#38
1-Methylnaphthalene
Concen: 2.422 ng m
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF121836.D
Acq: 6 Oct 2020 1:00

Instrument :
BNA_F
ClientSampleId :
B-18(0-1)MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.5	74.5	111.7
116	5.4	3.2	4.8#

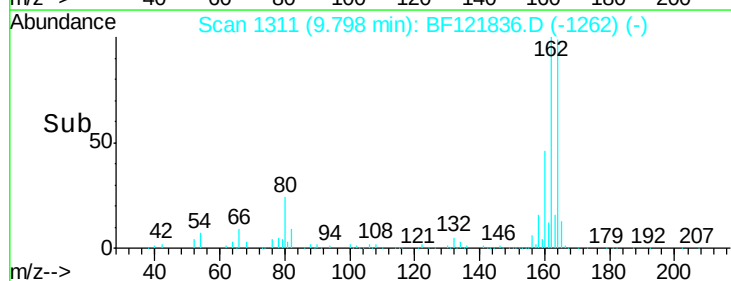
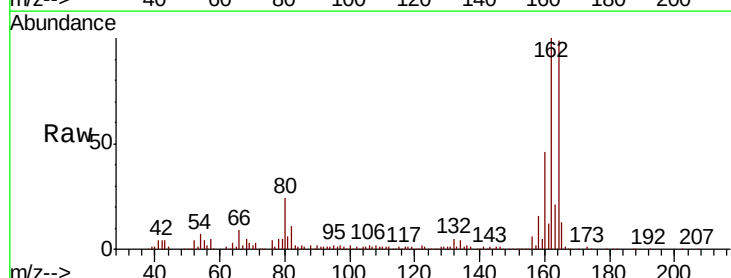
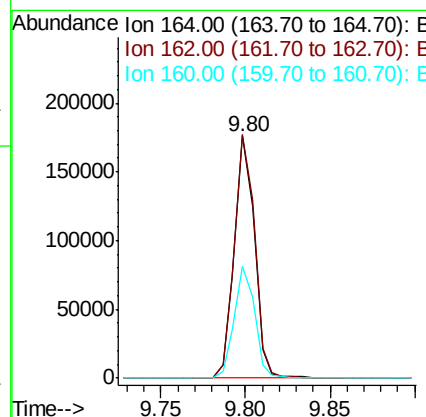
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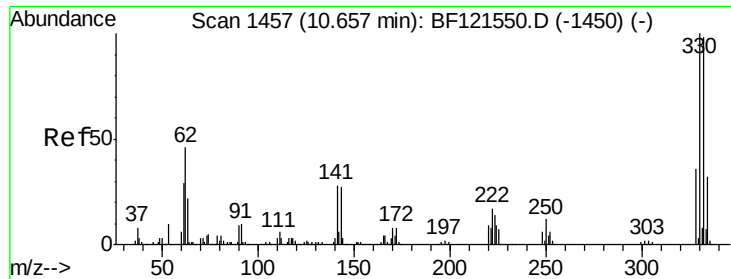
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121836.D
Acq: 6 Oct 2020 1:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	83.2	124.8
160	46.4	37.5	56.3





#42

2,4,6-Tribromophenol

Concen: 1.879 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Instrument :

BNA_F

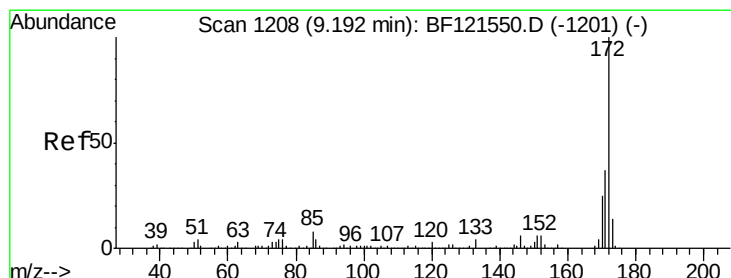
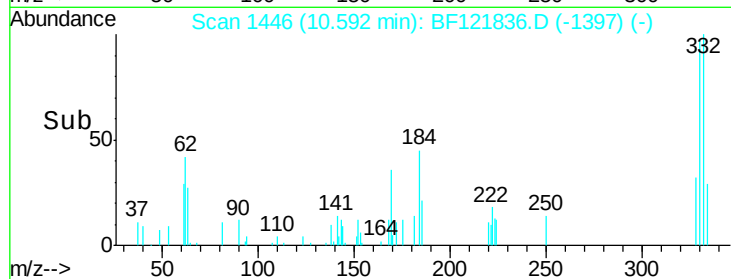
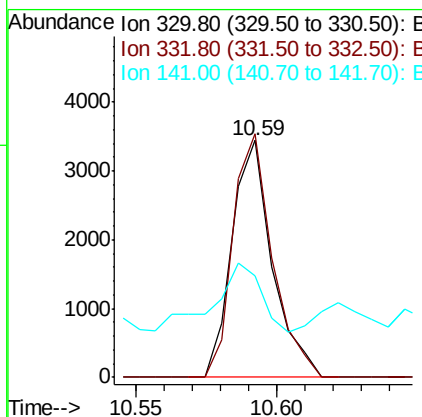
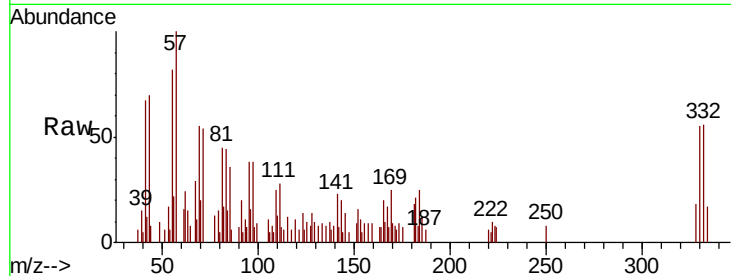
ClientSampleId :

B-18(0-1)MS

Tot Ion:	330	Resp:	3411
Ion Ratio	Lower	Upper	
330	100		
332	100.6	77.3	115.9
141	34.2	22.3	33.5#

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#45

2-Fluorobiphenyl

Concen: 2.582 ng

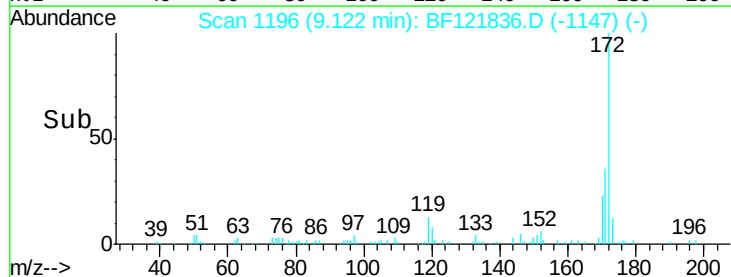
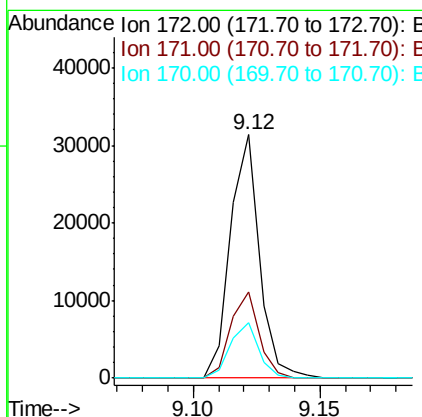
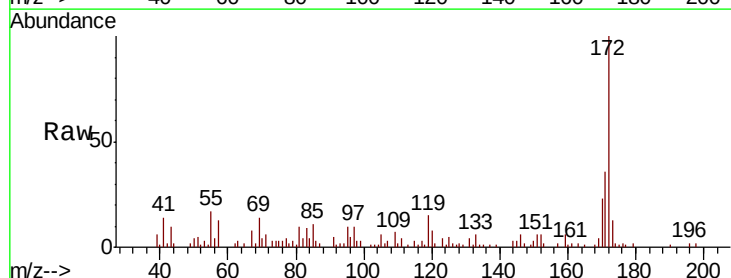
RT: 9.12 min Scan# 1196

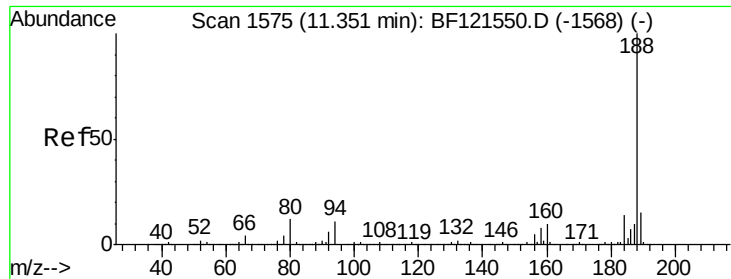
Delta R.T. -0.01 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Tgt Ion:	172	Resp:	24900
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.1	43.7
170	22.7	19.8	29.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Instrument :

BNA_F

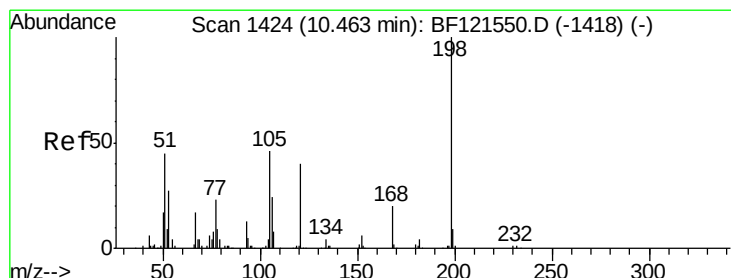
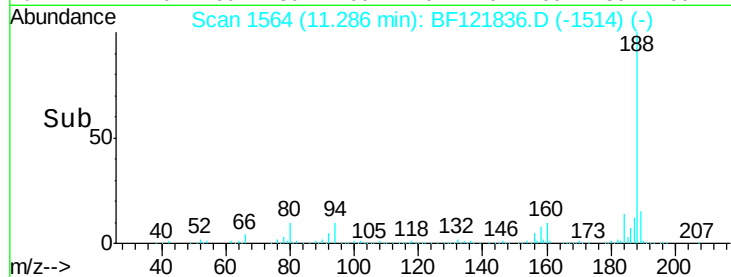
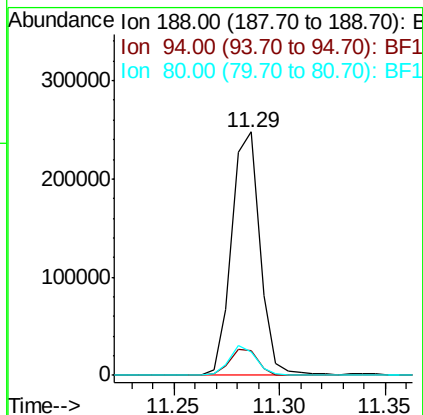
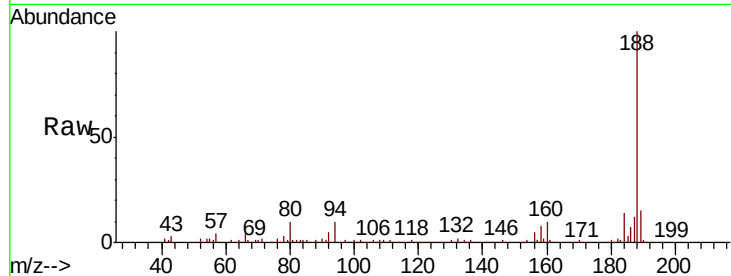
ClientSampleId :

B-18(0-1)MS

Tot Ion:	188	Resp:	230112
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.3	12.5
80	9.8	9.1	13.7

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#65

4,6-Dinitro-2-methylphenol

Concen: 7.205 ng

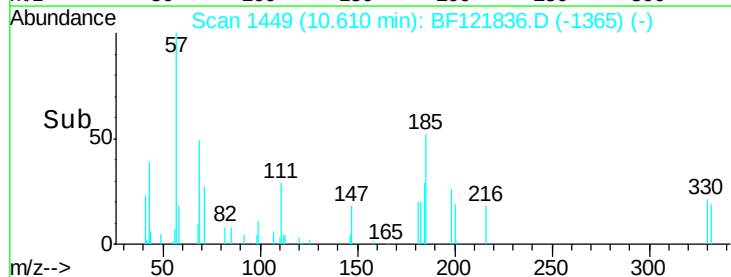
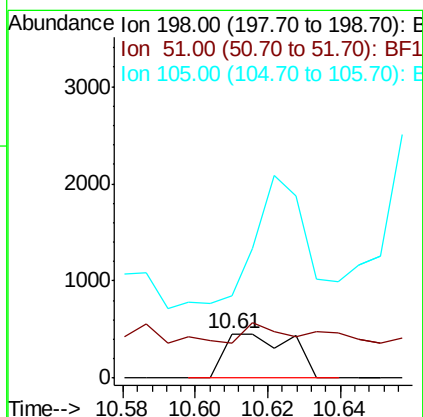
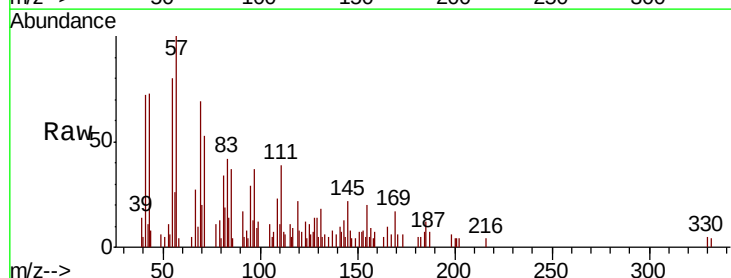
RT: 10.61 min Scan# 1449

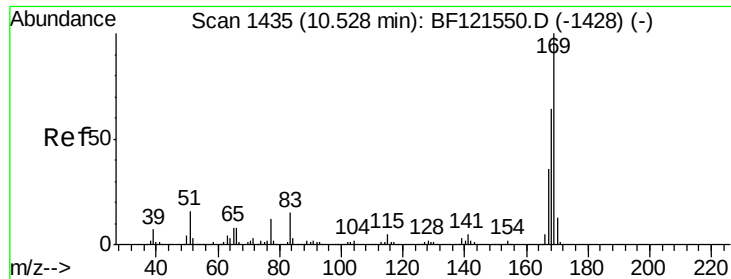
Delta R.T. 0.19 min

Lab File: BF121836.D

Acq: 6 Oct 2020 1:00

Tgt Ion:	198	Resp:	581
Ion Ratio	Lower	Upper	
198	100		
51	79.6	29.6	69.6#
105	187.8	24.4	64.4#





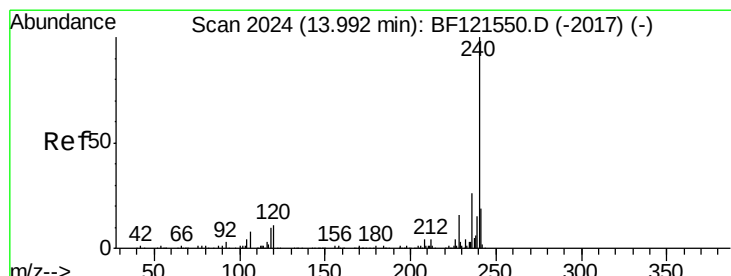
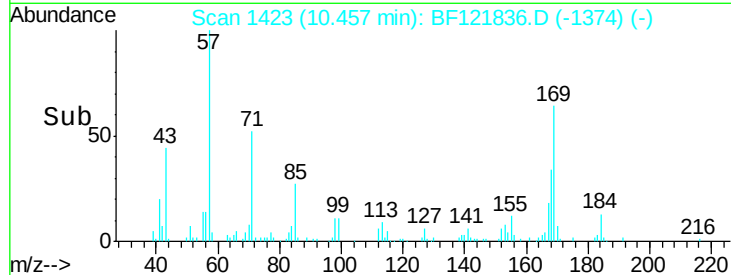
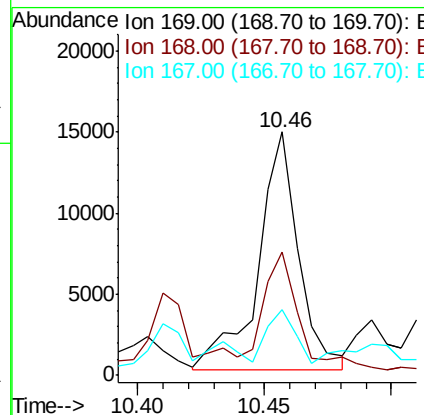
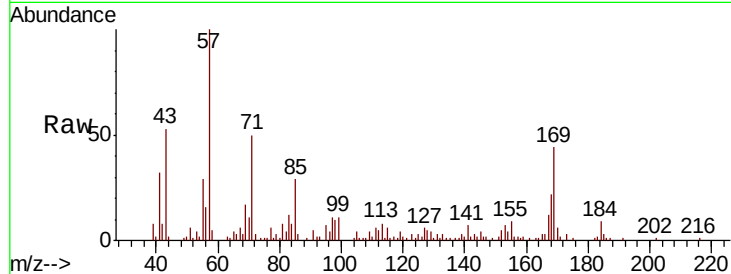
#66
 n-Nitrosodiphenylamine
 Concen: 2.079 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF121836.D
 Acq: 6 Oct 2020 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MS

Tot Ion	Ratio	Lower	Upper
169	100		
168	50.4	50.0	75.0
167	27.1	27.8	41.6

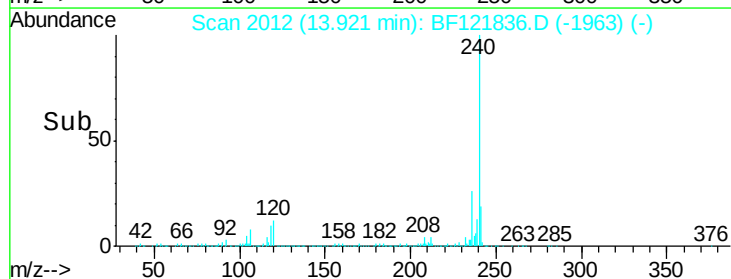
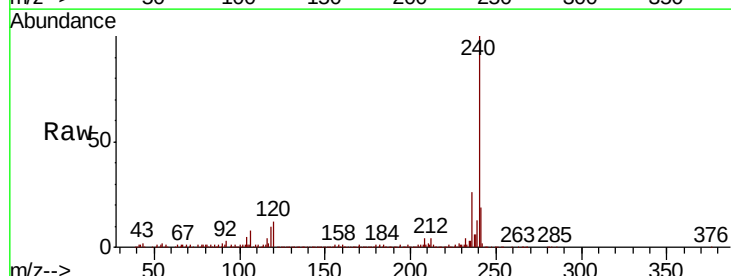
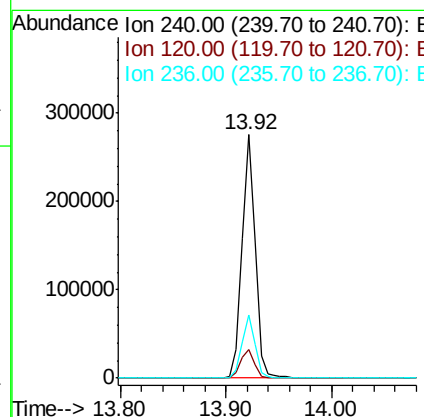
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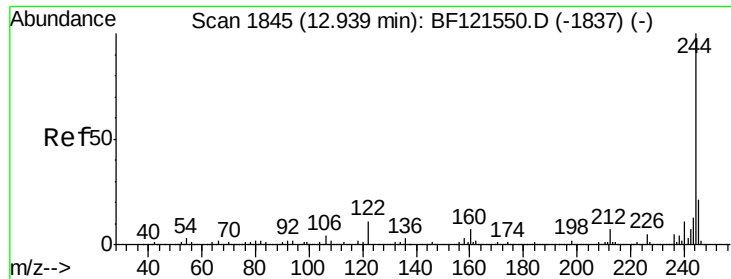
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121836.D
 Acq: 6 Oct 2020 1:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.2	13.8
236	25.8	20.9	31.3





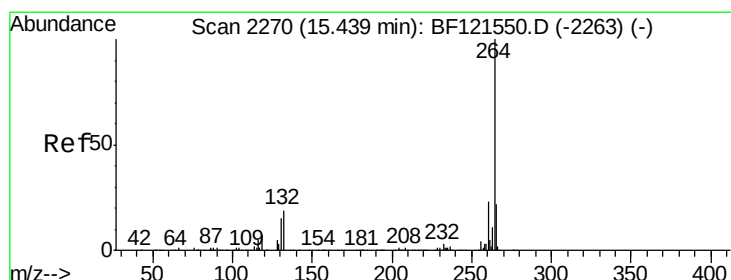
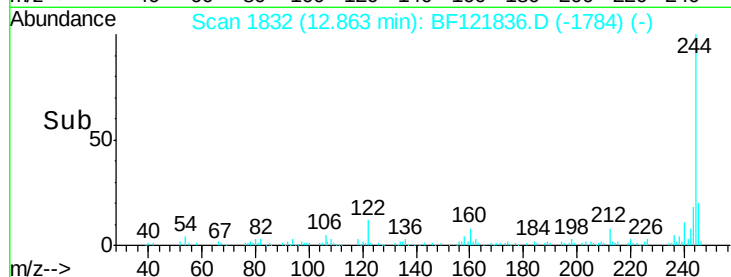
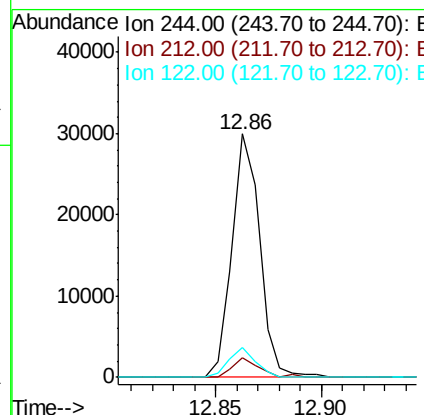
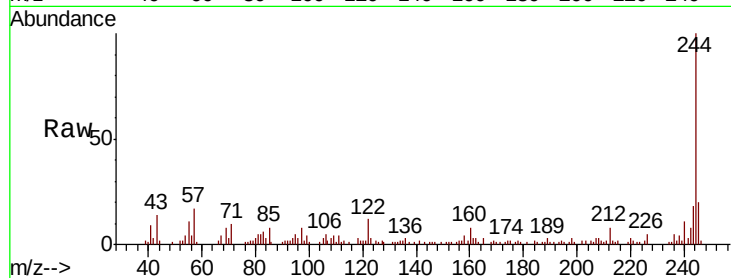
#79
 Terphenyl-d14
 Concen: 2.331 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF121836.D
 Acq: 6 Oct 2020 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-1)MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.4	8.2
122	12.3	8.1	12.1

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF121836.D
 Acq: 6 Oct 2020 1:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.1	17.3	25.9

