

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118850.D
 Acq On : 7 Feb 2020 15:04
 Operator : CG/JU
 Sample : L1439-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAM-SB-BC-0-5

Manual Integrations
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mohammad
 2/11/2020 8:26:34 AM

Quant Time: Feb 08 04:04:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	212569	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	793590	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	448743	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	798624	20.00	ng	0.00
76) Chrysene-d12	13.97	240	575934	20.00	ng	-0.01
87) Perylene-d12	15.42	264	728356	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1015049	90.39	ng	0.00
7) Phenol-d6	6.45	99	1216082	87.24	ng	0.00
23) Nitrobenzene-d5	7.37	82	781825	58.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	449109	83.64	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1570206	62.55	ng	-0.01
79) Terphenyl-d14	12.92	244	1599007	57.03	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.22	107	29705	2.279	ng	# 65
50) Dimethylphthalate	9.56	163	63202	2.068	ng	97
71) Phenanthrene	11.36	178	456098	11.607	ng	97
72) Anthracene	11.40	178	109284	2.796	ng	96
75) Fluoranthene	12.54	202	623065	14.523	ng	98
78) Pyrene	12.77	202	565703	14.318	ng	97
81) Benzo(a)anthracene	13.96	228	302811	8.836	ng	100
83) Chrysene	13.99	228	267681	7.782	ng	96
86) Indeno(1,2,3-cd)pyrene	16.85	276	228822	6.621	ng	95
88) Benzo(b)fluoranthene	15.00	252	428997m	9.492	ng	
89) Benzo(k)fluoranthene	15.02	252	138488m	3.519	ng	
90) Benzo(a)pyrene	15.36	252	320498	8.286	ng	98
92) Benzo(a,h,i)perylene	17.29	276	230857	6.991	ng	99

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

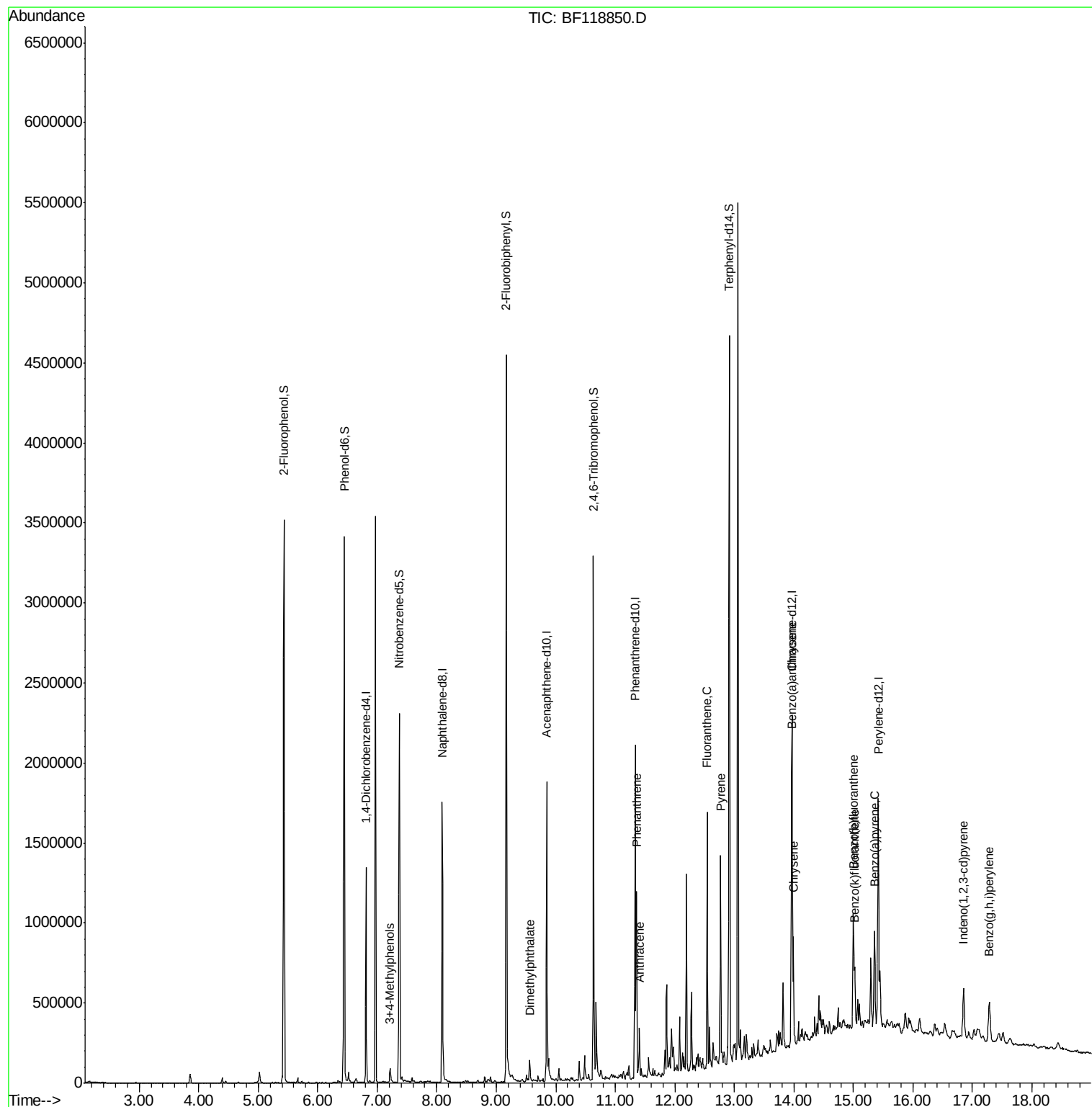
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
Data File : BF118850.D
Acq On : 7 Feb 2020 15:04
Operator : CG/JU
Sample : L1439-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

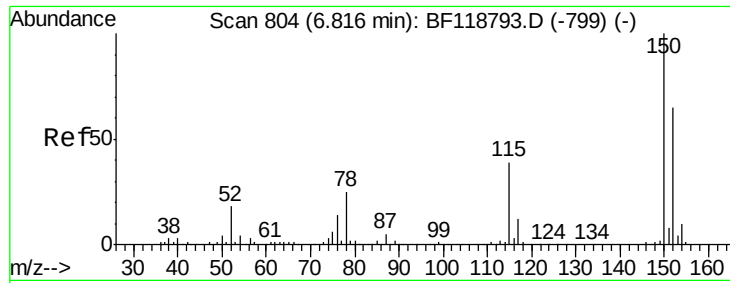
Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

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Quant Time: Feb 08 04:04:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





#1

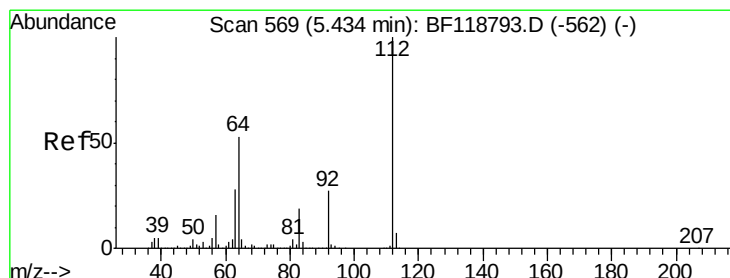
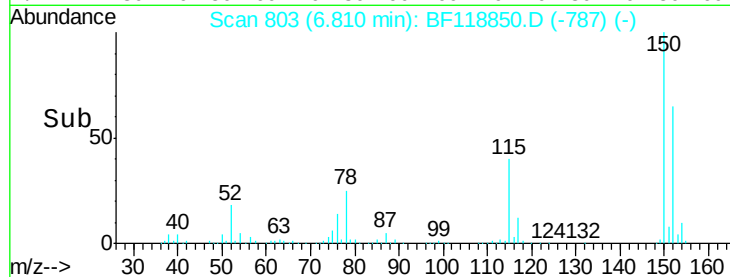
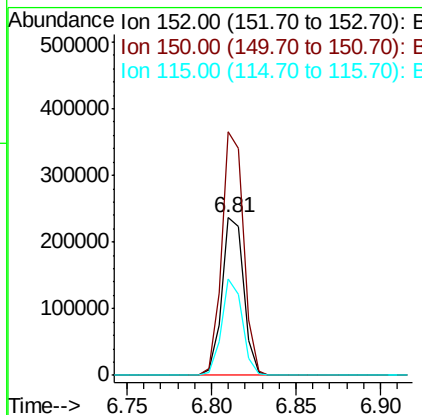
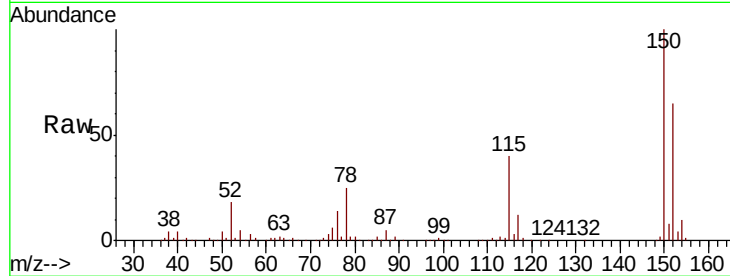
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.6	185.4
115	61.3	48.2	72.2

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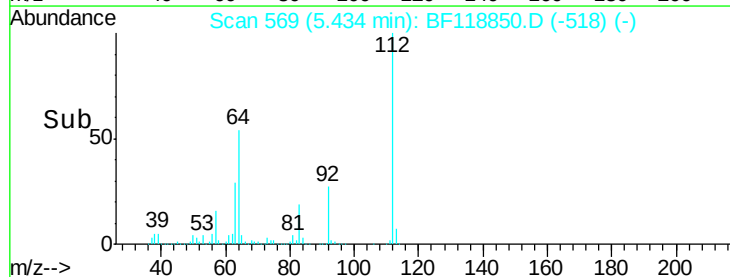
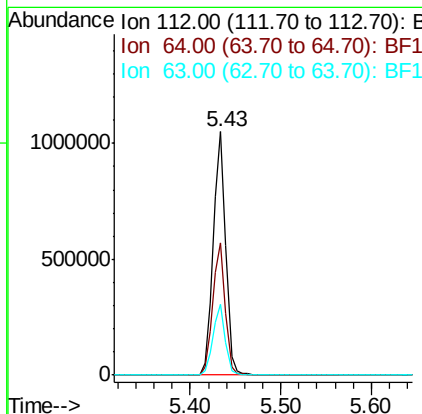
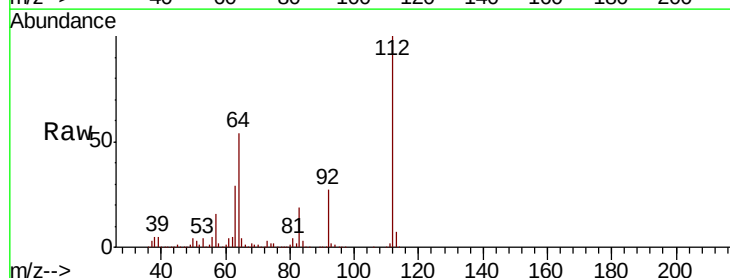
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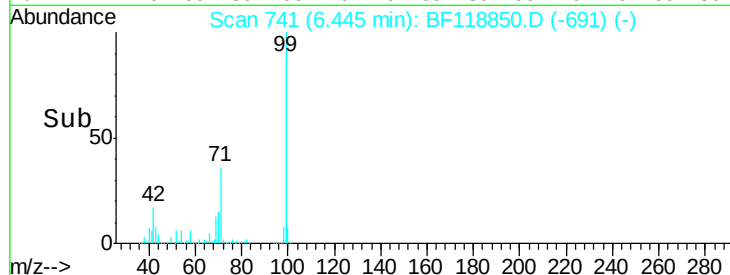
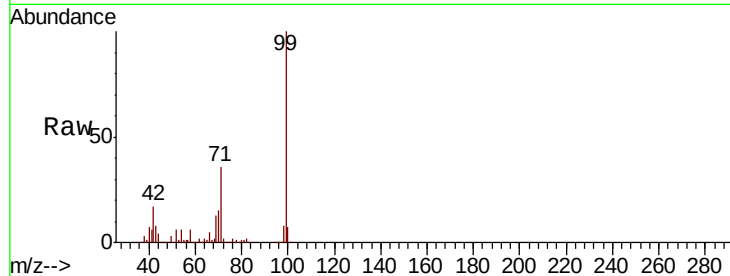
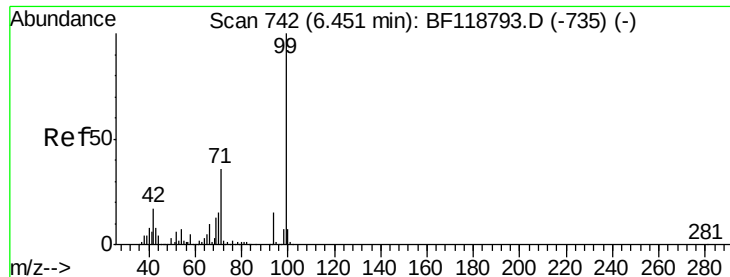


#5

2-Fluorophenol
Concen: 90.390 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.6	63.8
63	29.2	22.2	33.4





#7

Phenol-d6

Concen: 87.237 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Tot Ion: 99 Resp: 1216082

Ion Ratio Lower Upper

99 100

42 16.6 13.4 20.0

71 35.8 29.0 43.6

Instrument :

BNA_F

ClientSampleId :

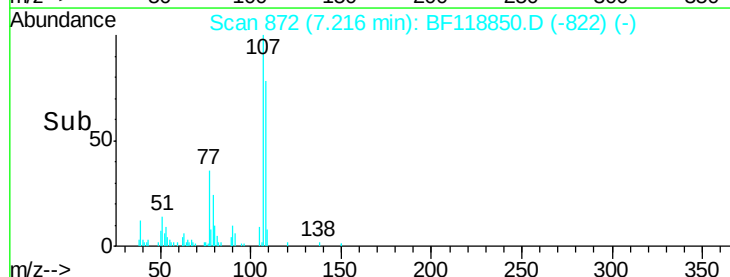
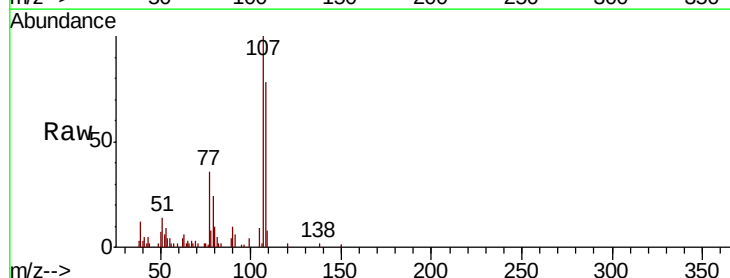
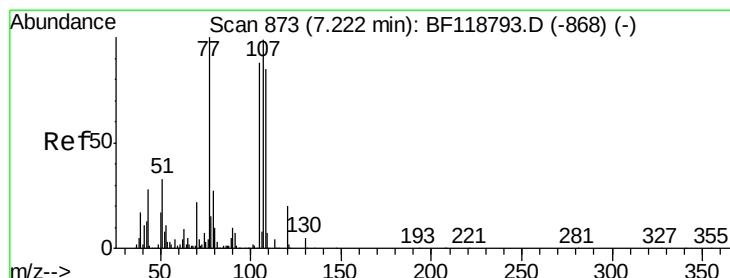
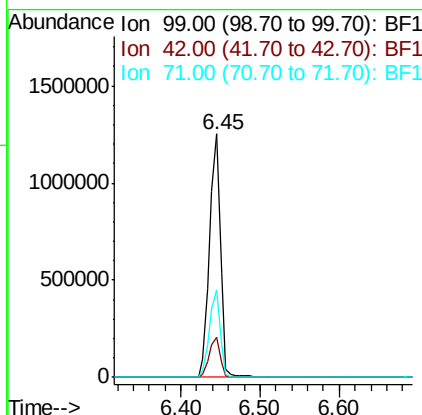
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#20

3+4-Methylphenols

Concen: 2.279 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Tgt Ion:107 Resp: 29705

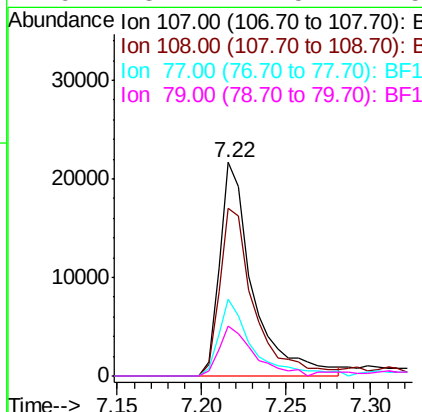
Ion Ratio Lower Upper

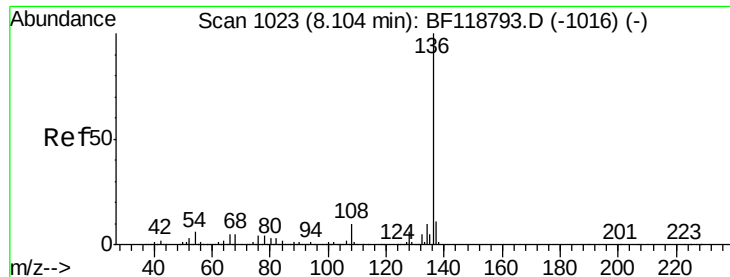
107 100

108 78.2 65.9 105.9

77 36.2 80.9 120.9#

79 23.7 7.5 47.5





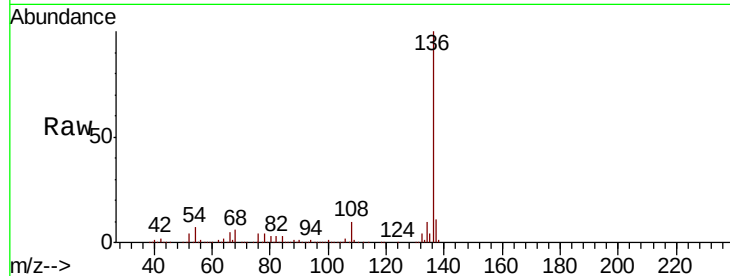
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

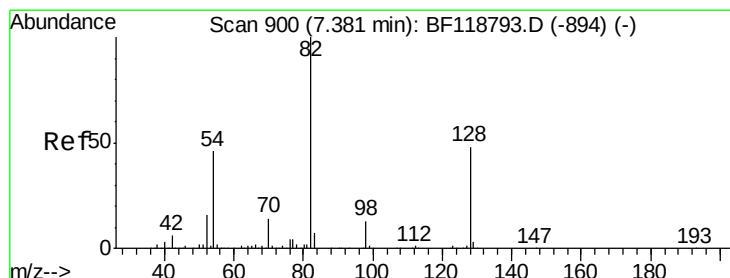
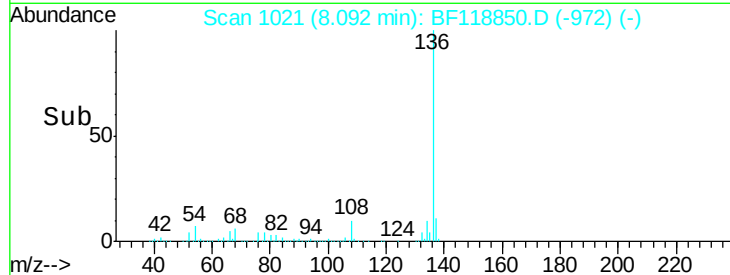
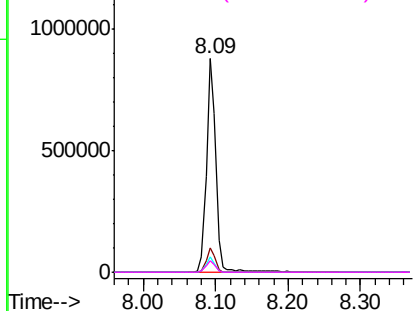
Tot Ion	Ratio	Resp	Lower	Upper
136	100	793590		
137	11.5	8.7	13.1	
54	6.9	5.0	7.6	
68	5.6	4.2	6.4	

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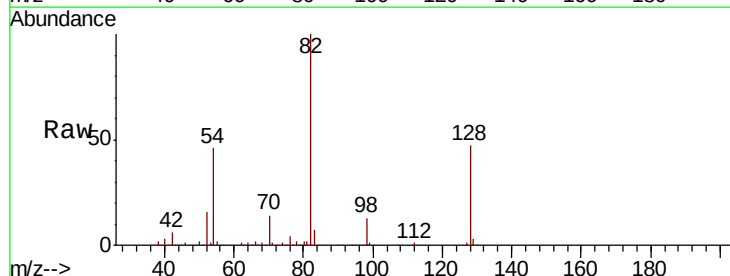


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

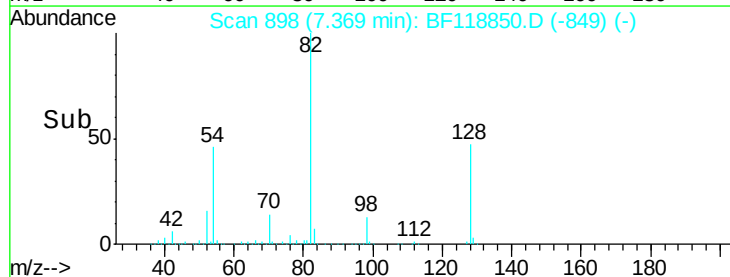
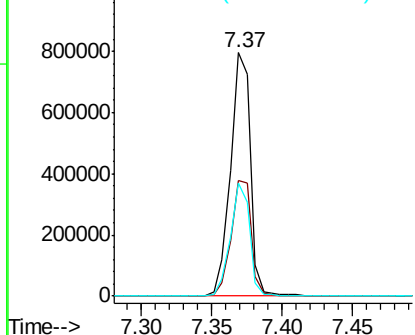


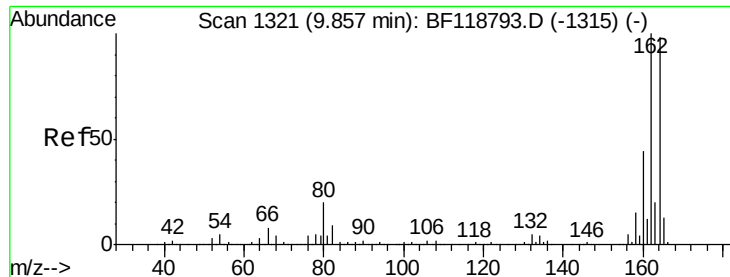
#23
Nitrobenzene-d5
Concen: 58.721 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	781825		
128	47.2	38.5	57.7	
54	46.4	36.7	55.1	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





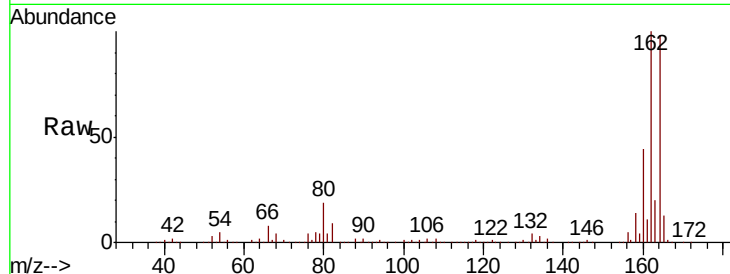
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

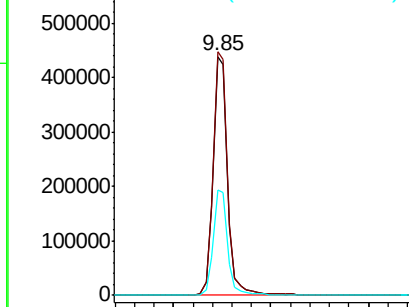
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.4	122.2
160	44.4	35.6	53.4

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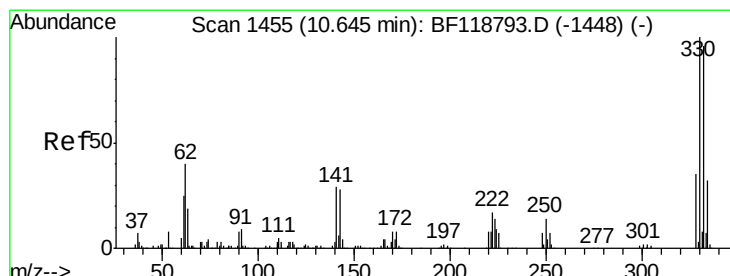
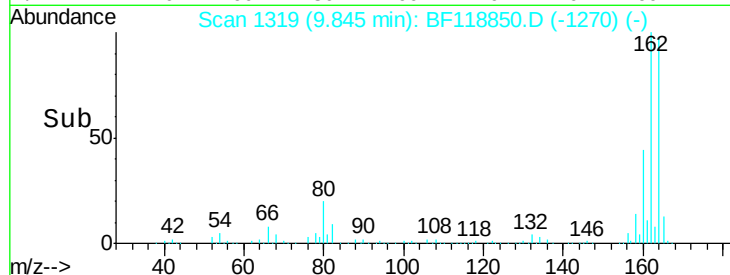
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

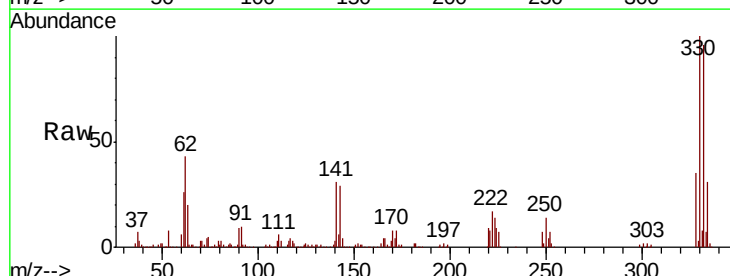


Time-->

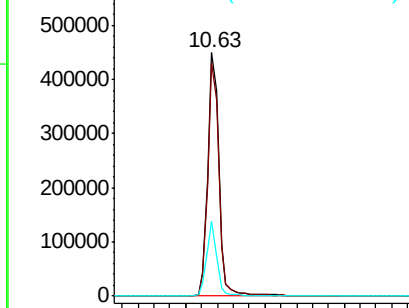


#42
2,4,6-Tribromophenol
Concen: 83.643 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

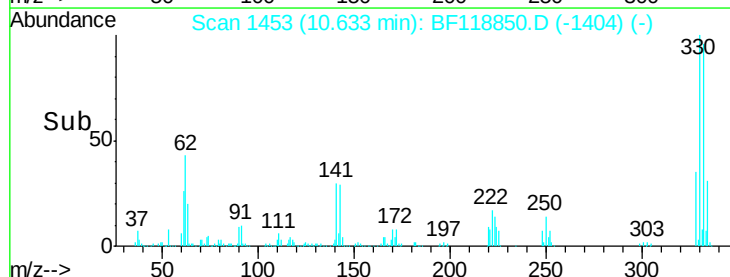
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	28.4	22.4	33.6

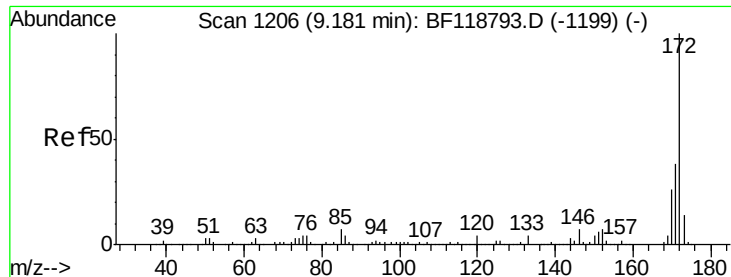


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





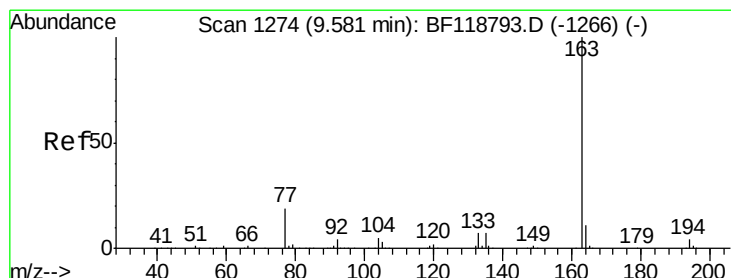
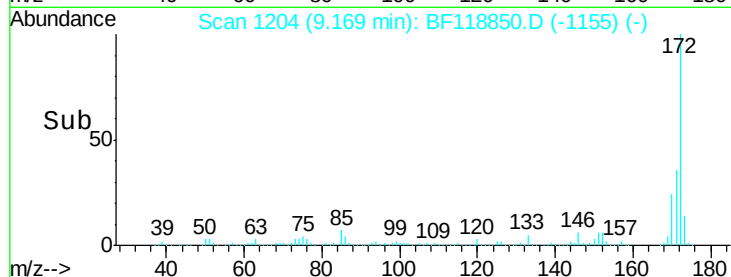
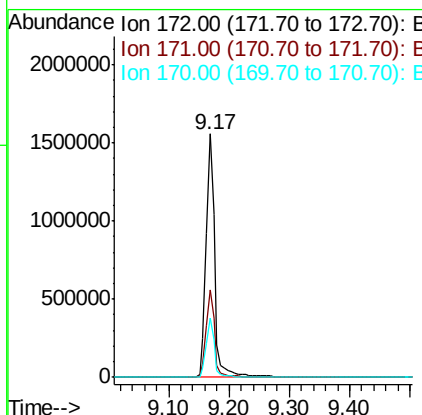
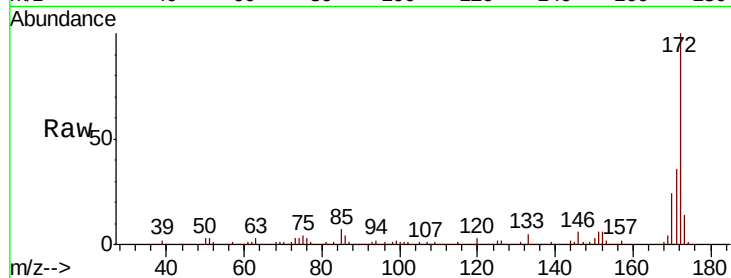
#45
2-Fluorobiphenyl
Concen: 62.554 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.8	46.2
170	24.1	20.5	30.7

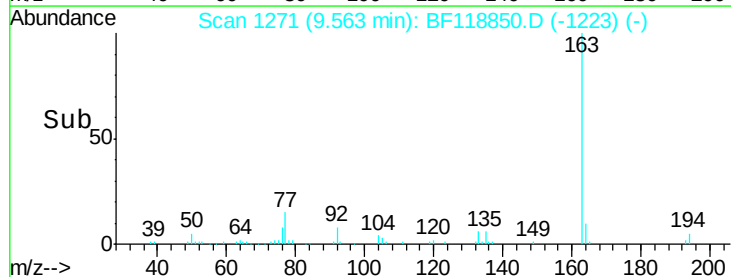
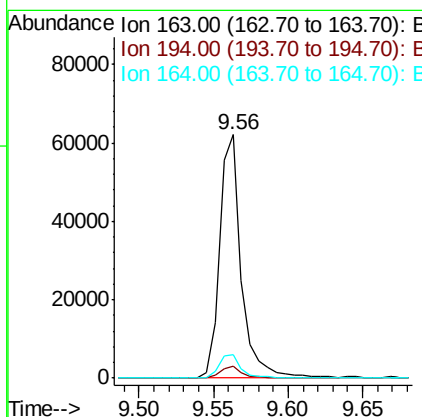
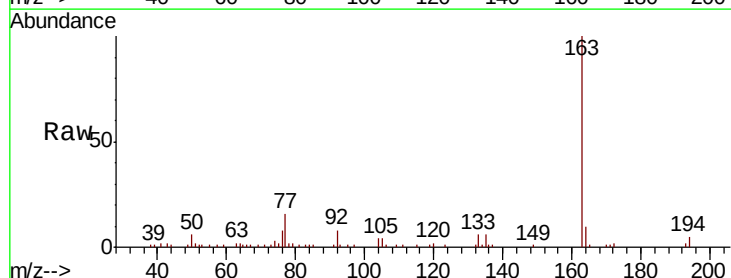
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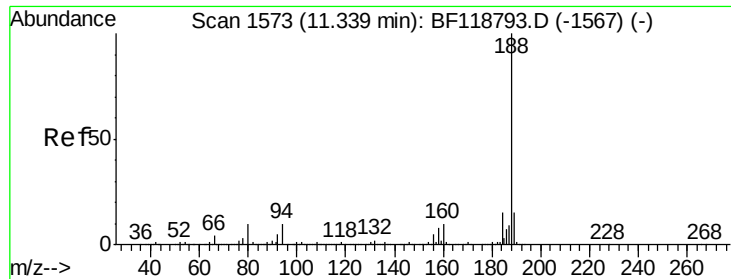
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#50
Dimethylphthalate
Concen: 2.068 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.6	5.4
164	9.6	8.7	13.1





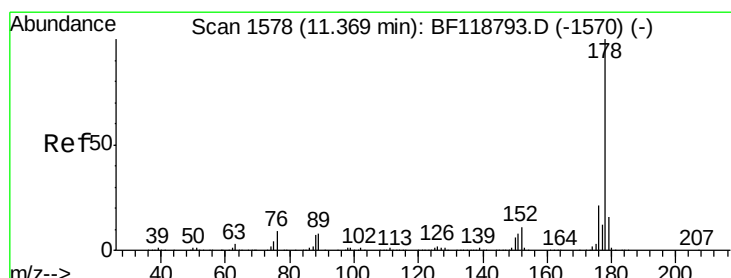
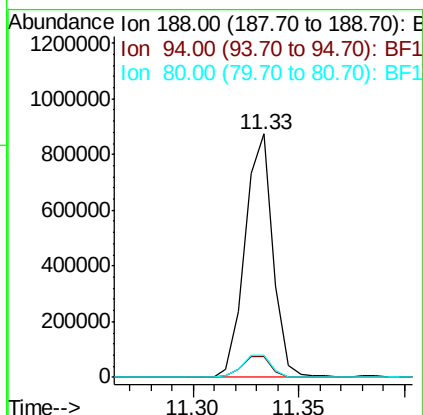
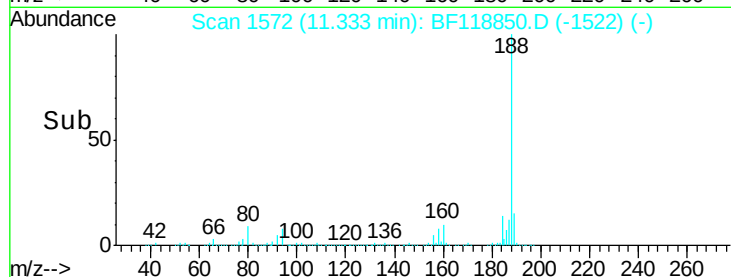
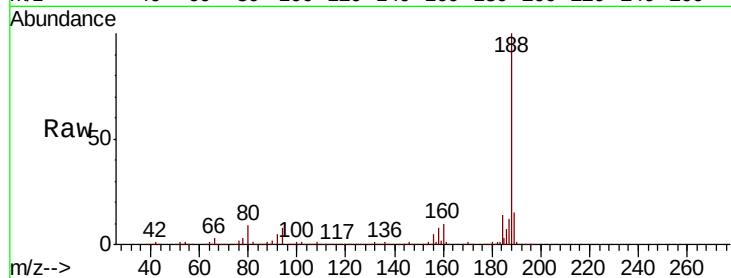
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	798624		
94	8.4		7.9	11.9
80	9.2		8.4	12.6

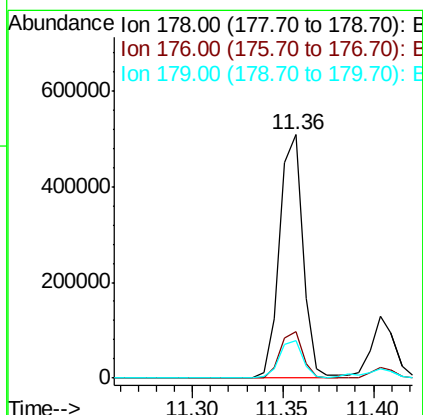
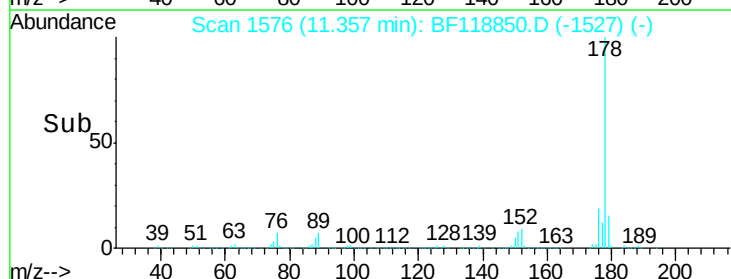
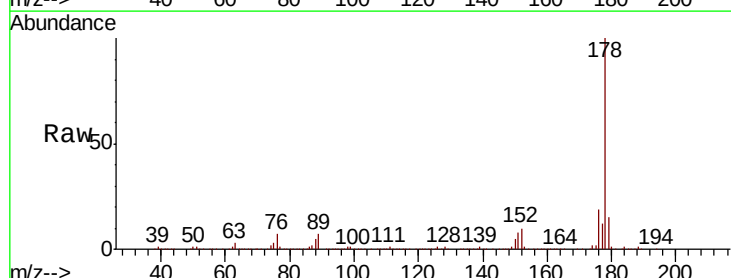
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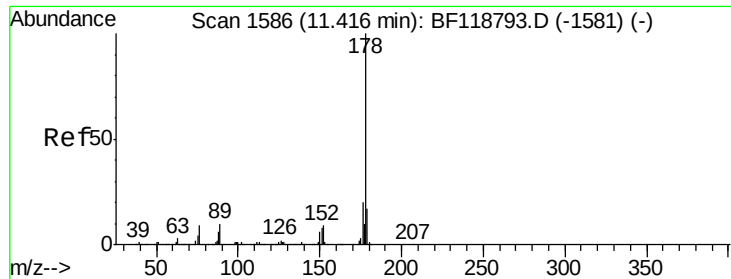
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#71
Phenanthrene
Concen: 11.607 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	456098		
176	19.0		16.6	24.8
179	15.2		13.2	19.8





#72

Anthracene

Concen: 2.796 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

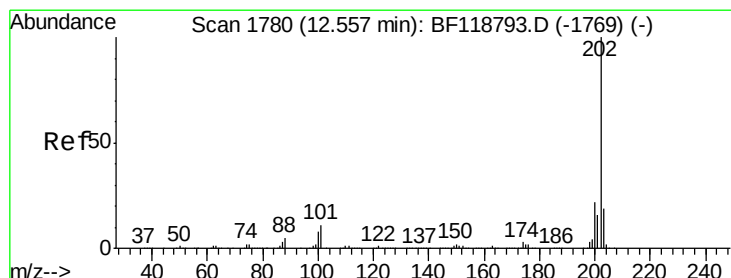
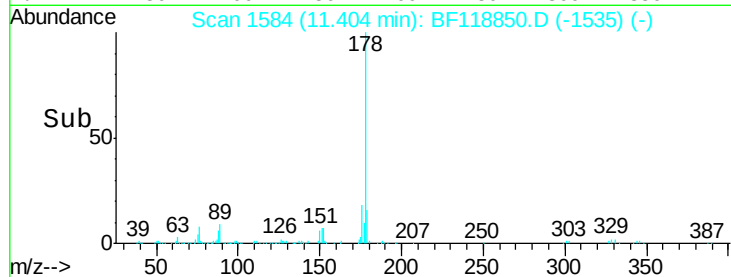
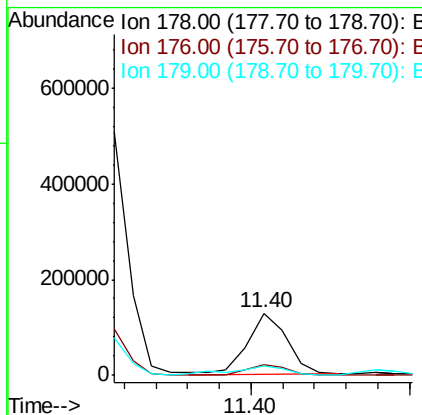
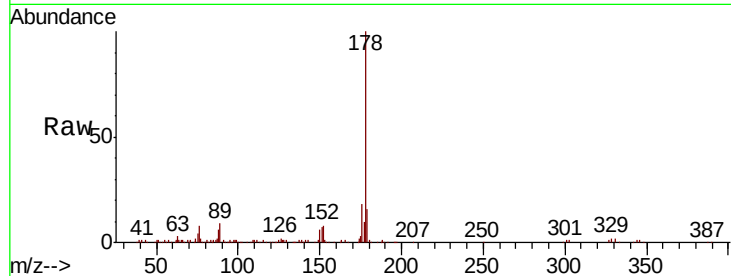
ClientSampleId :

HAM-SB-BC-0-5

Tot Ion:	178	Resp:	109284
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.2
179	15.6	13.4	20.2

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#75

Fluoranthene

Concen: 14.523 ng

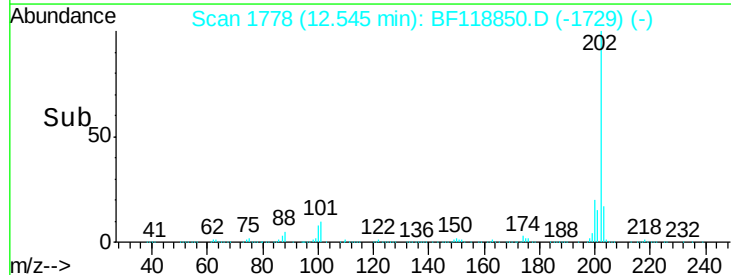
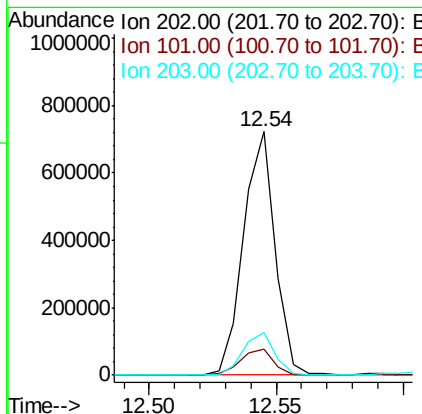
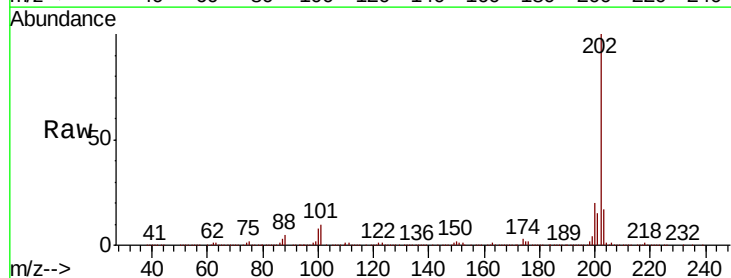
RT: 12.54 min Scan# 1778

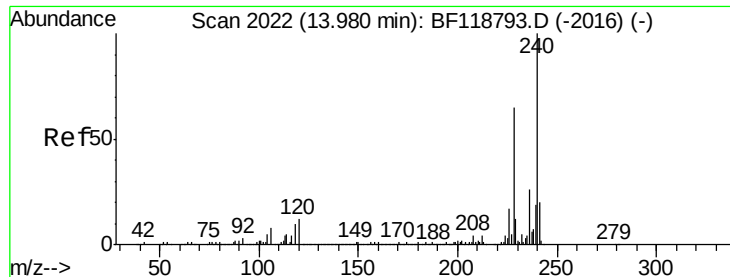
Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Tgt Ion:	202	Resp:	623065
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.0
203	17.3	0.0	38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

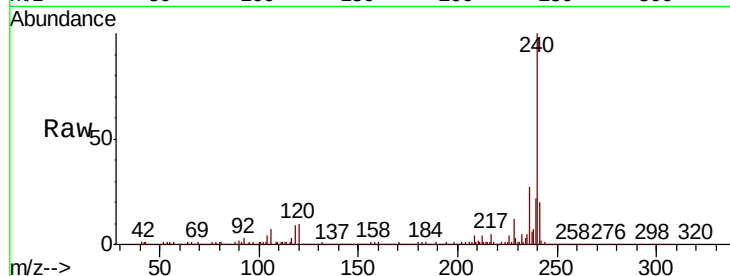
ClientSampleId :

HAM-SB-BC-0-5

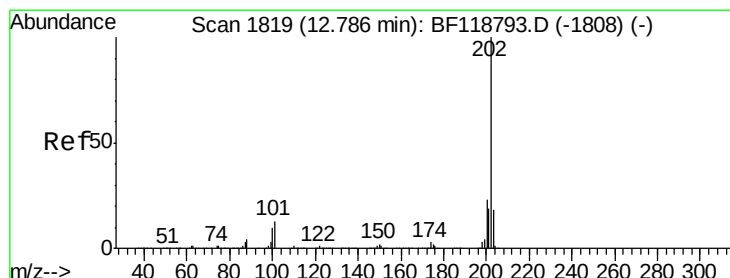
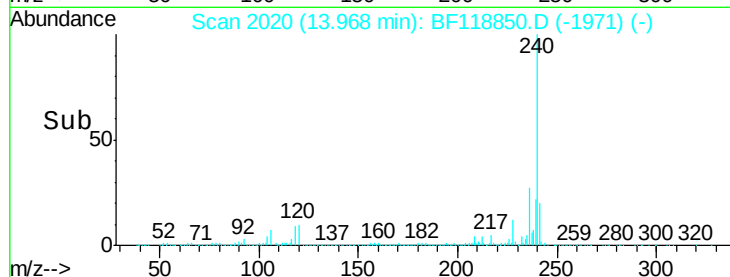
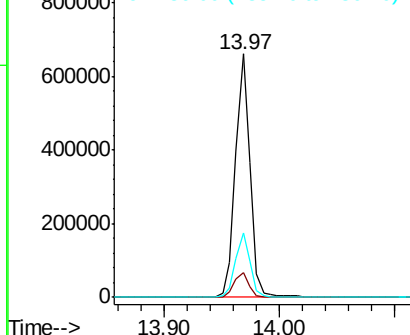
Tot Ion:	240	Resp:	575934
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.4	14.0
236	26.6	21.0	31.6

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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: 14.318 ng

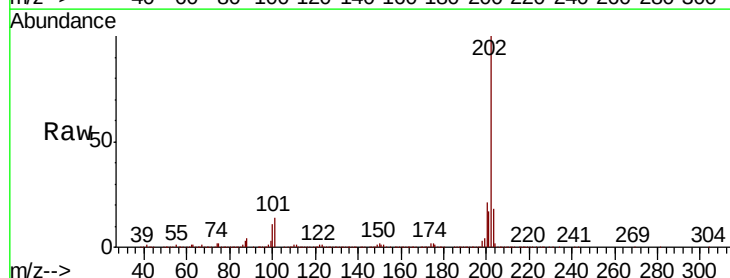
RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

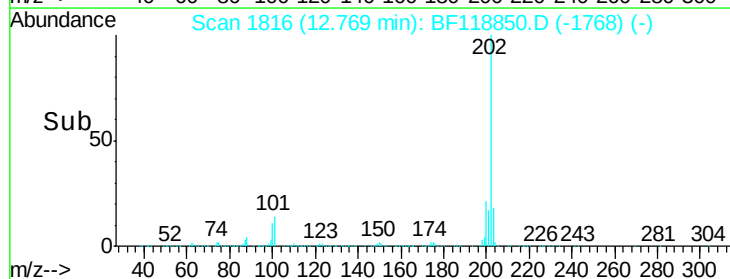
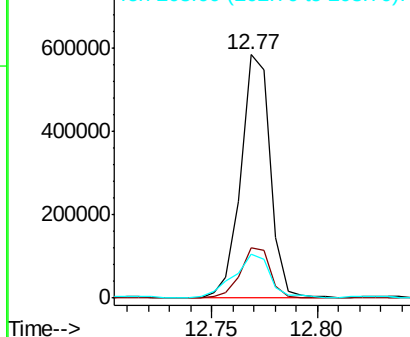
Lab File: BF118850.D

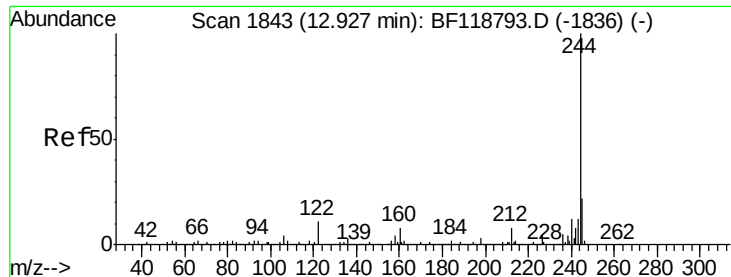
Acq: 7 Feb 2020 15:04

Tgt Ion:	202	Resp:	565703
Ion Ratio	Lower	Upper	
202	100		
200	20.8	18.2	27.2
203	18.0	14.8	22.2



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: 57.028 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

HAM-SB-BC-0-5

Tot Ion:244 Resp: 1599007

Ion Ratio Lower Upper

244 100

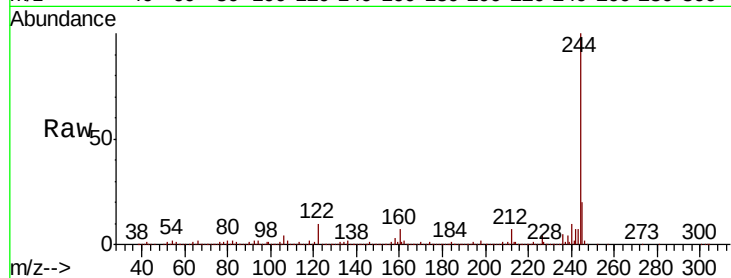
212 7.1 6.5 9.7

122 10.5 8.9 13.3

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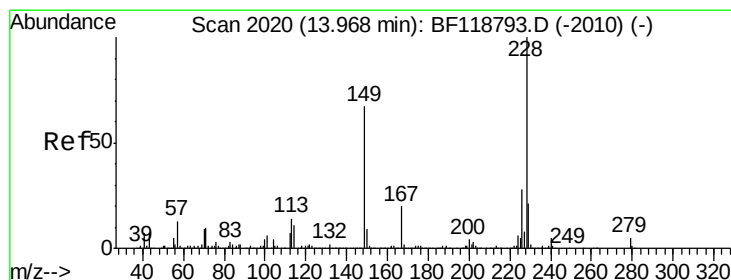
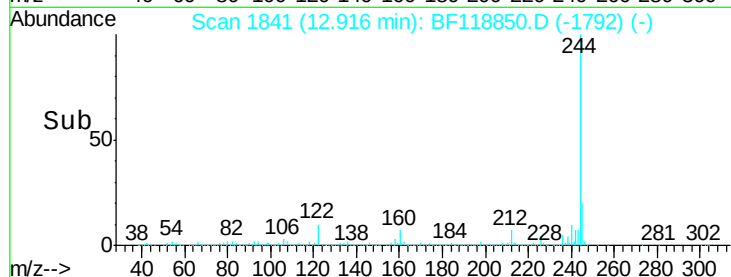
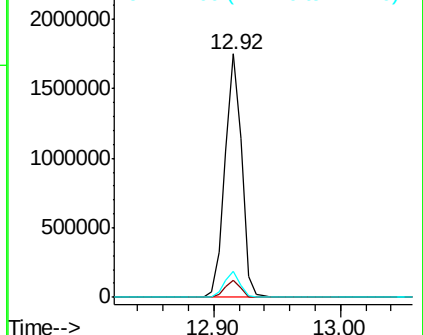
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 8.836 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

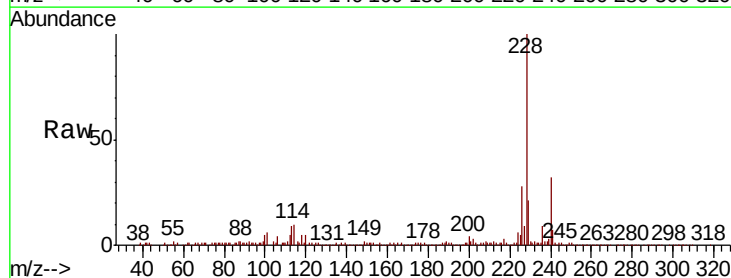
Tgt Ion:228 Resp: 302811

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

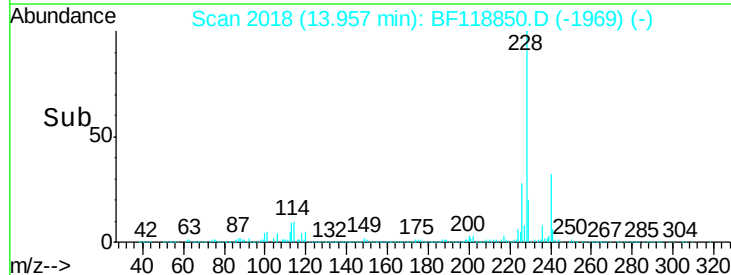
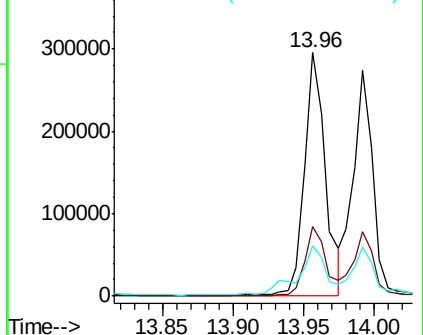
229 20.8 16.6 25.0

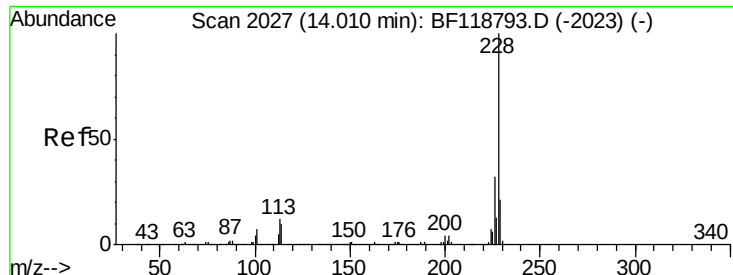


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





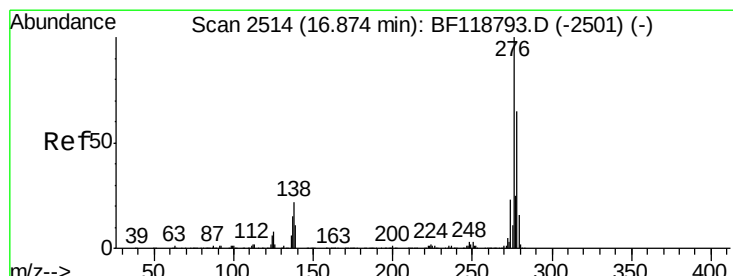
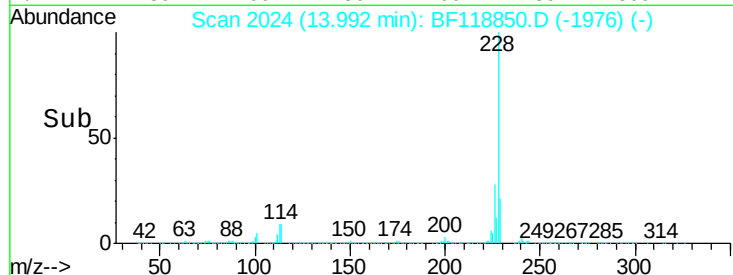
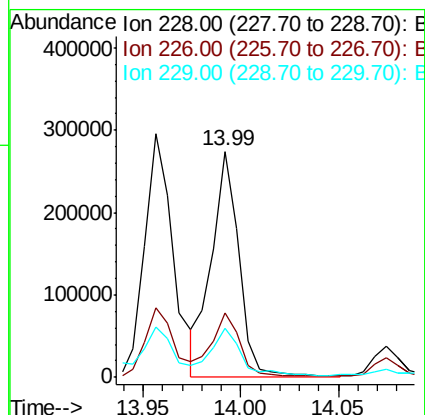
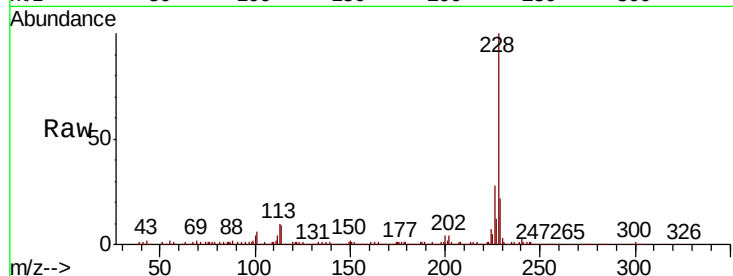
#83
Chrysene
Concen: 7.782 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.4	38.0
229	21.9	16.9	25.3

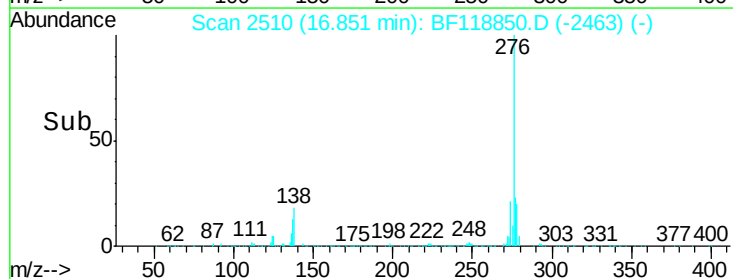
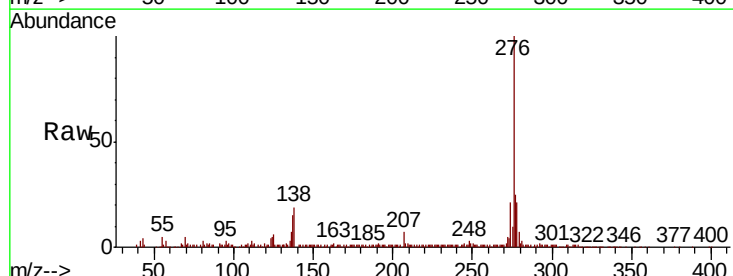
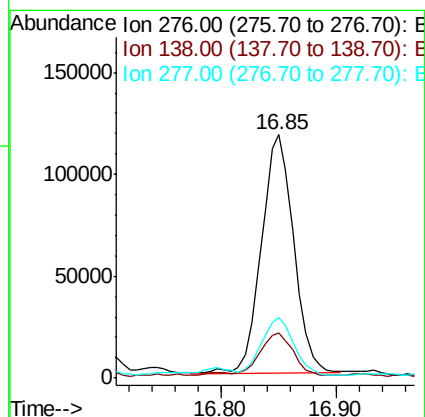
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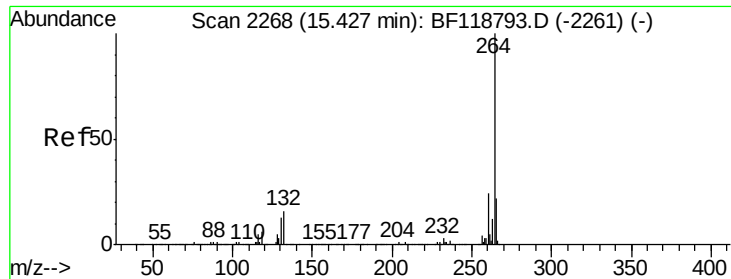
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.621 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.3	27.5
277	24.1	20.2	30.4





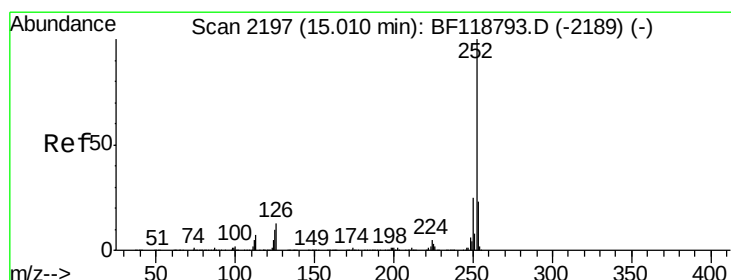
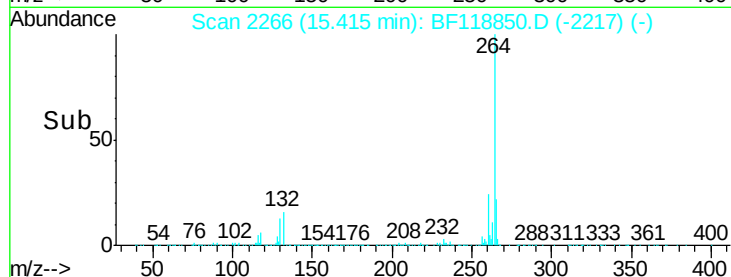
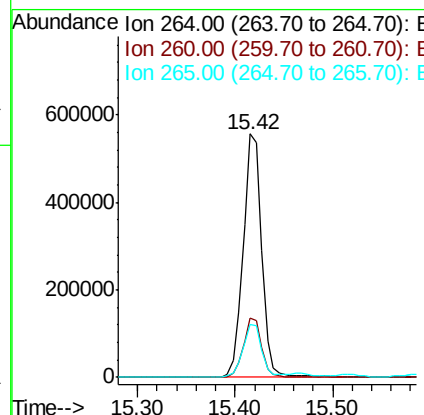
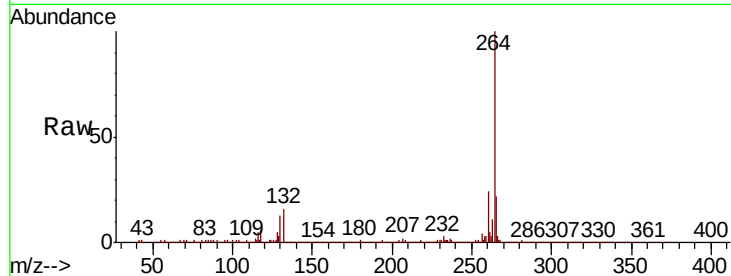
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	21.9	17.2	25.8

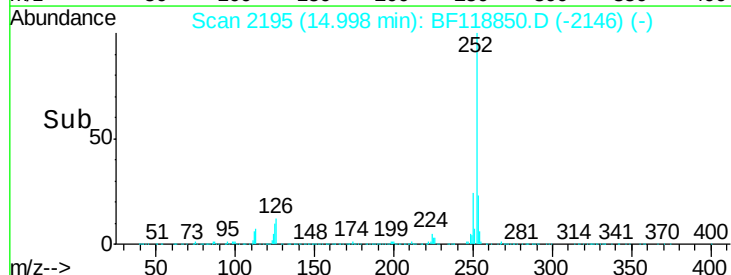
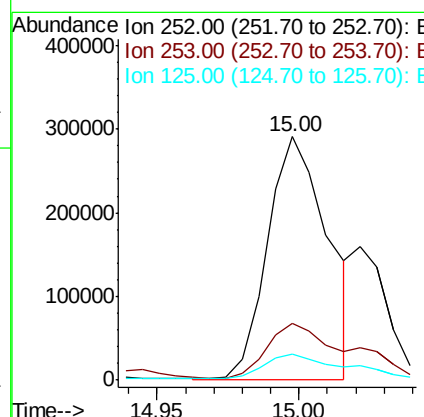
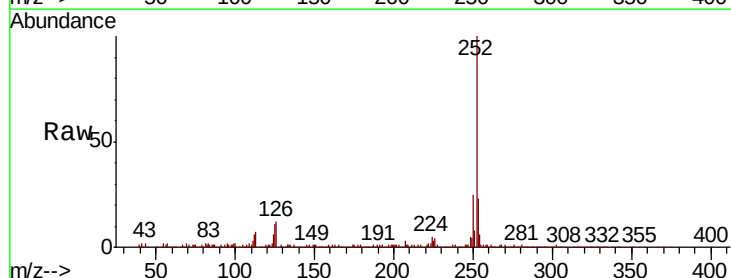
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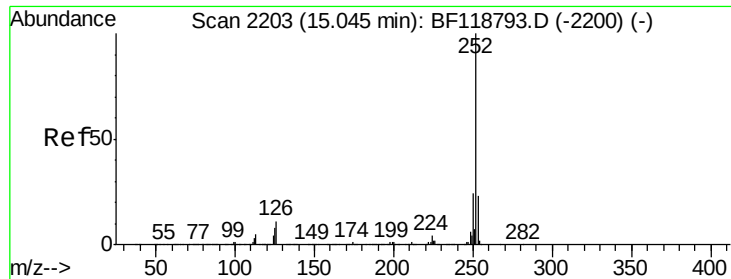
mohammad
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#88
Benzo(b)fluoranthene
Concen: 9.492 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	10.8	8.1	12.1





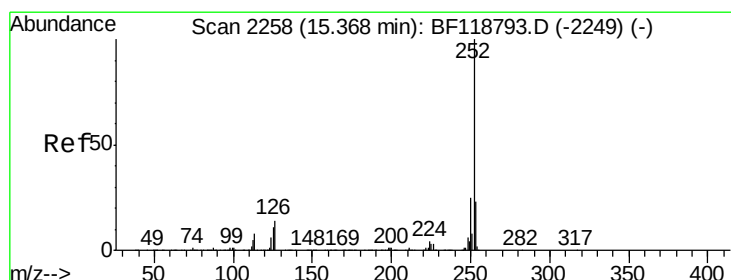
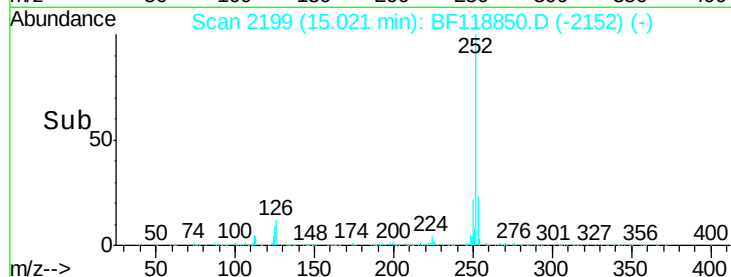
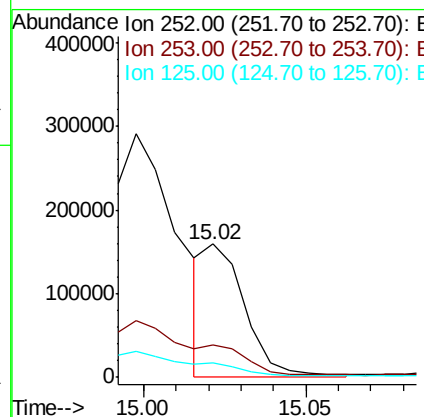
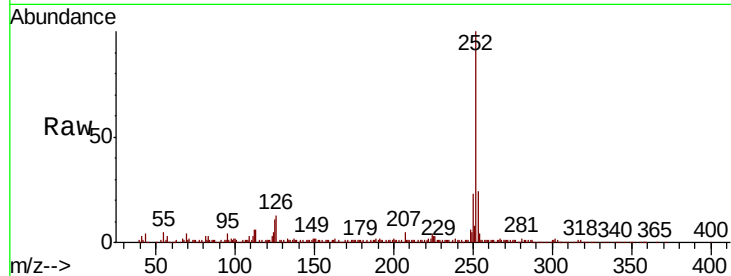
#89
Benzo(k)fluoranthene
Concen: 3.519 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :
HAM-SB-BC-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	10.6	7.0	10.6

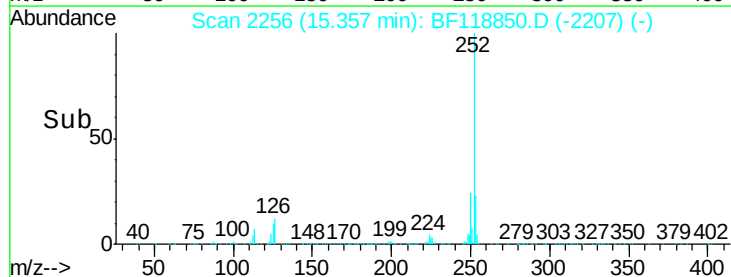
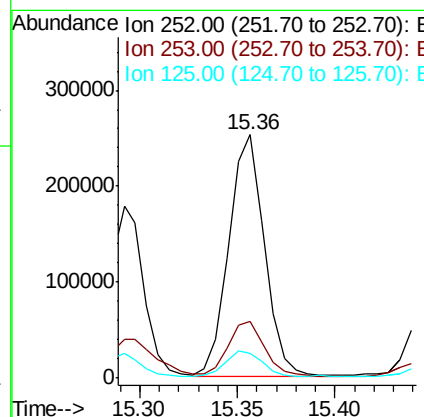
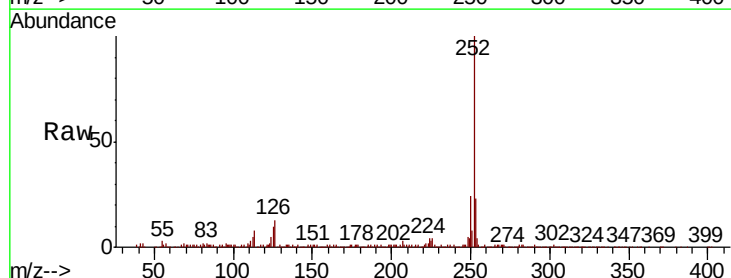
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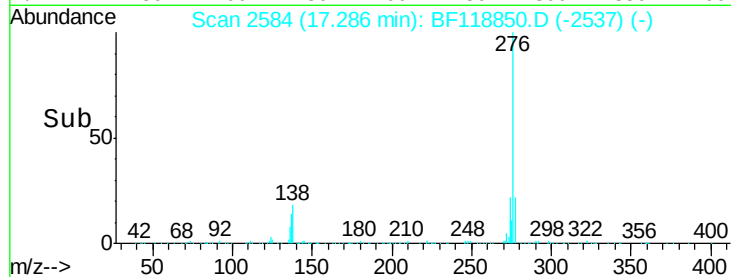
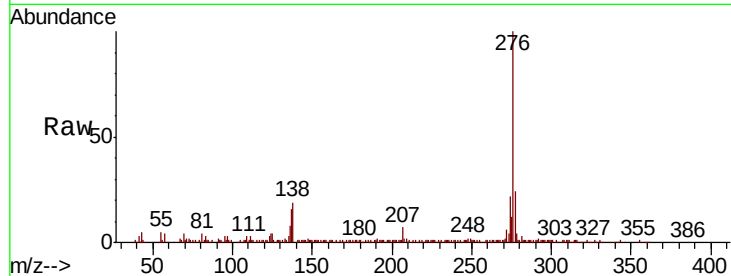
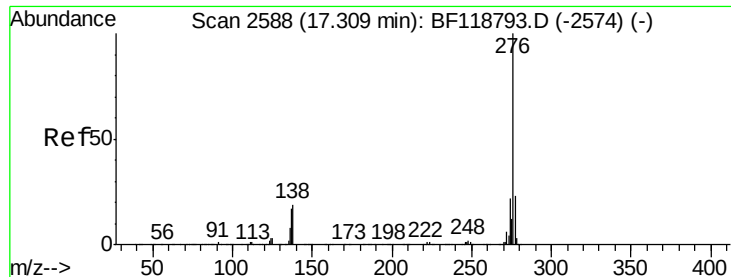
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#90
Benzo(a)pyrene
Concen: 8.286 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	10.3	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 6.991 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.02 min
 Lab File: BF118850.D
 Acq: 7 Feb 2020 15:04

Instrument :
 BNA_F
 ClientSampleId :
 HAM-SB-BC-0-5

Tot Ion:	276	Resp:	230857
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.7	28.1
138	19.1	15.4	23.2

Manual Integrations
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