

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118890.D
 Acq On : 11 Feb 2020 18:09
 Operator : CG/JU
 Sample : L1484-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
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Quant Time: Feb 12 07:26:32 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	6.80	152	275771	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1065796	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	605754	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	1200180	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	1024781	20.00	ng	-0.02
87) Perylene-d12	15.42	264	991869	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1517993	104.20	ng	0.00
7) Phenol-d6	6.44	99	1909161	105.57	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1236161	69.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	730089	100.73	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	2370217	69.95	ng	-0.02
79) Terphenyl-d14	12.91	244	3165383	63.45	ng	-0.02
Target Compounds						
31) Naphthalene	8.10	128	186539	3.827	ng	96
50) Dimethylphthalate	9.55	163	105123	2.549	ng	98
71) Phenanthrene	11.35	178	428526	7.257	ng	97
75) Fluoranthene	12.53	202	526897	8.172	ng	98
78) Pyrene	12.76	202	442395	6.293	ng	98
81) Benzo(a)anthracene	13.95	228	217146	3.561	ng	100
83) Chrysene	13.99	228	205090	3.351	ng	97
88) Benzo(b)fluoranthene	14.99	252	249809m	4.059	ng	
90) Benzo(a)pyrene	15.35	252	165078	3.134	ng	# 97
92) Benzo(g,h,i)perylene	17.27	276	90543	2.013	ng	95

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

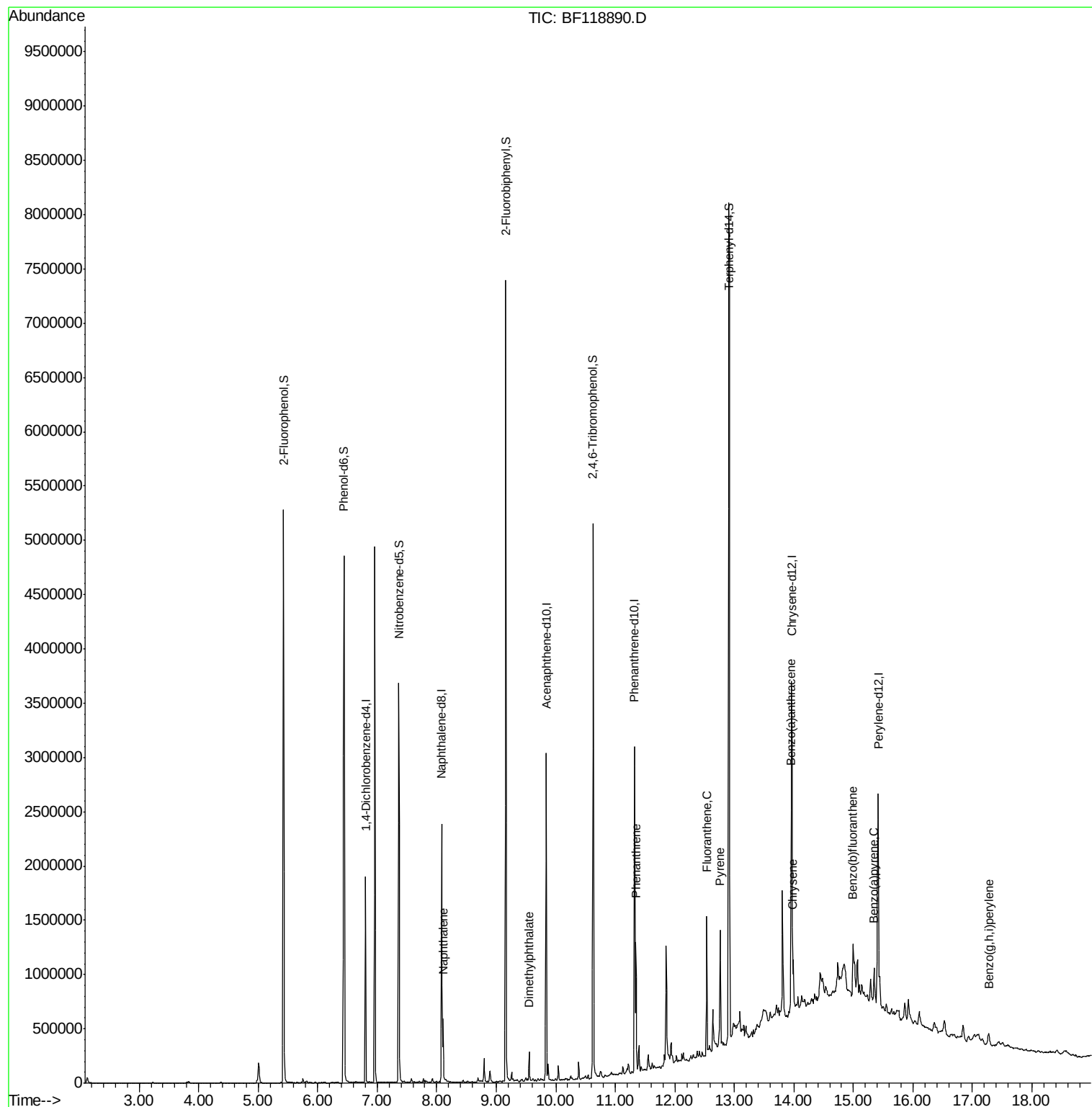
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118890.D
Acq On : 11 Feb 2020 18:09
Operator : CG/JU
Sample : L1484-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

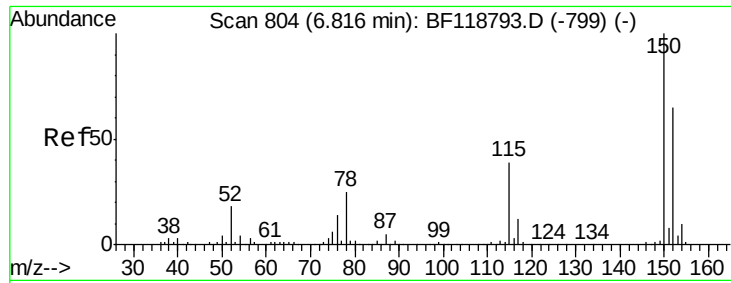
Instrument :
BNA_F
ClientSampleId :
SP-1

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Quant Time: Feb 12 07:26:32 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

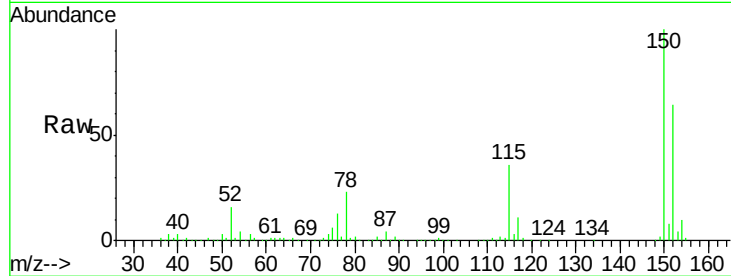
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.6	185.4
115	55.3	48.2	72.2

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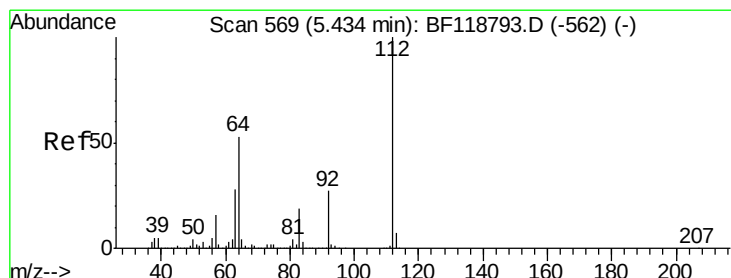
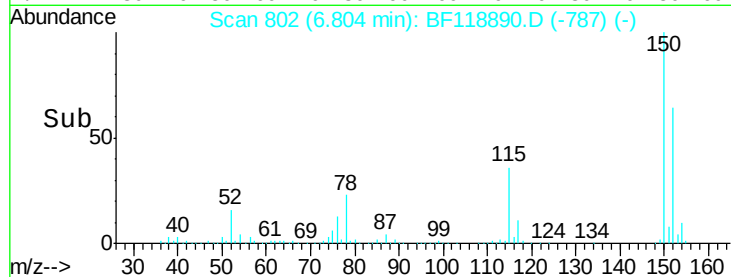
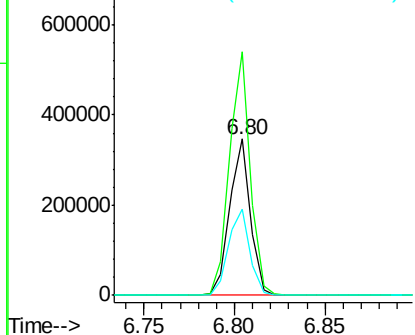


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

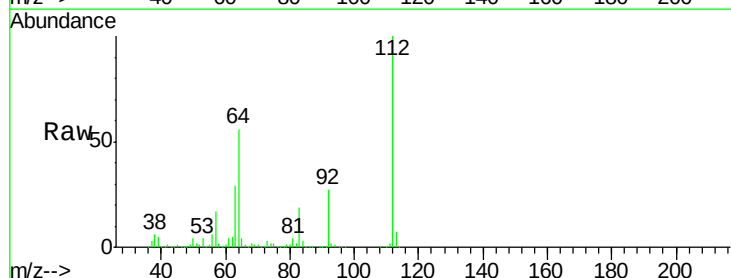
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.197 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	42.6	63.8
63	29.1	22.2	33.4

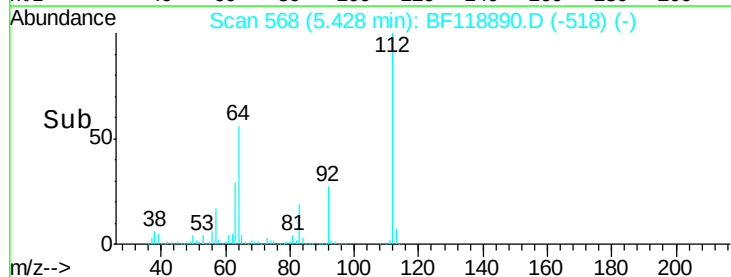
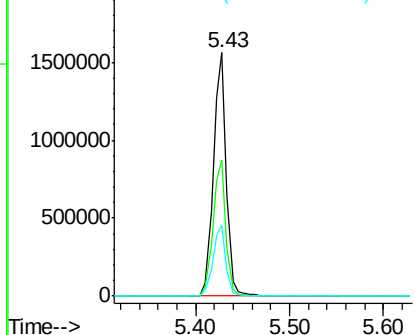


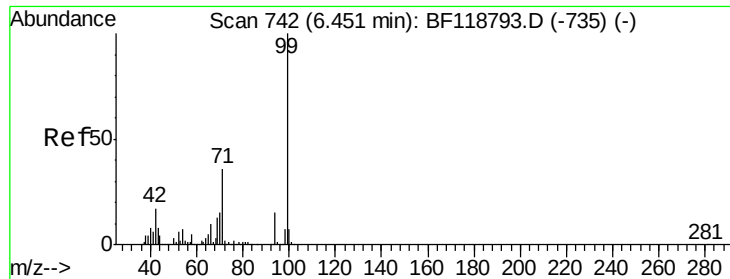
Abundance

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: 105.568 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampleId :

SP-1

Tot Ion: 99 Resp: 1909161

Ion Ratio Lower Upper

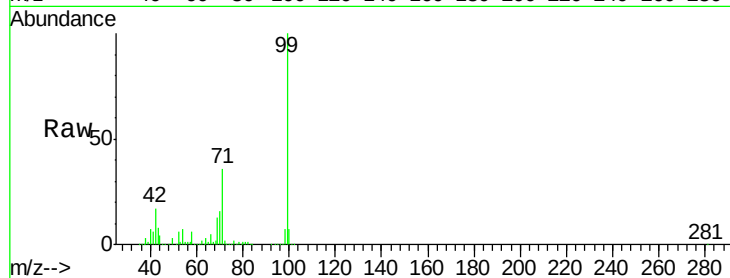
99 100

42 17.2 13.4 20.0

71 36.0 29.0 43.6

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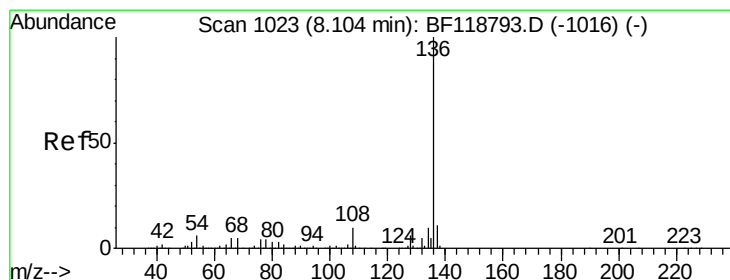
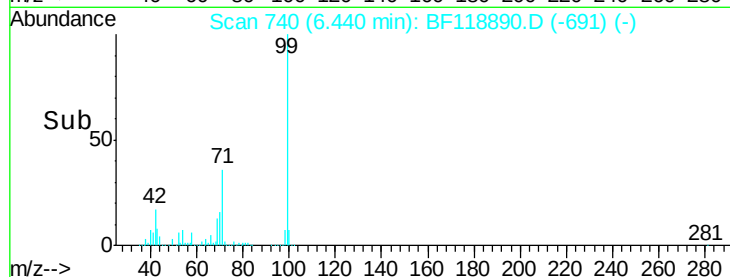
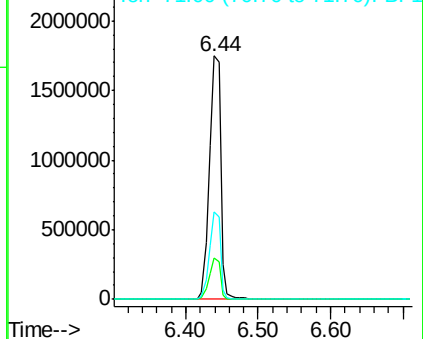
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Tgt Ion: 136 Resp: 1065796

Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.8 5.0 7.6

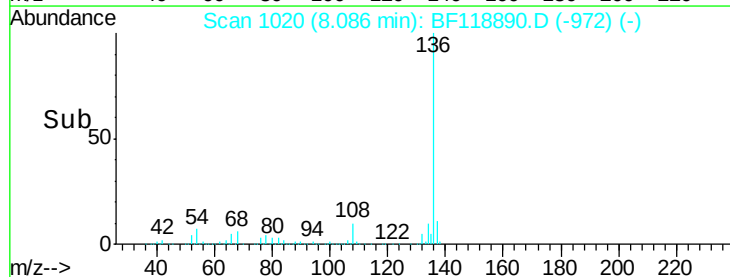
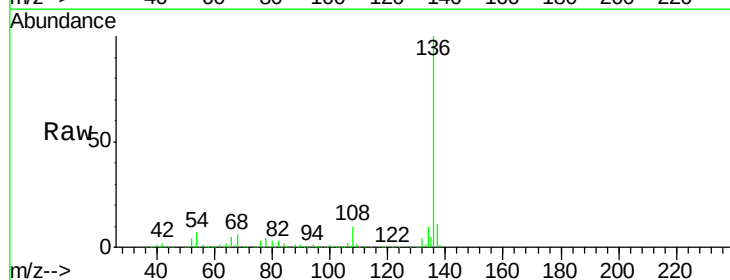
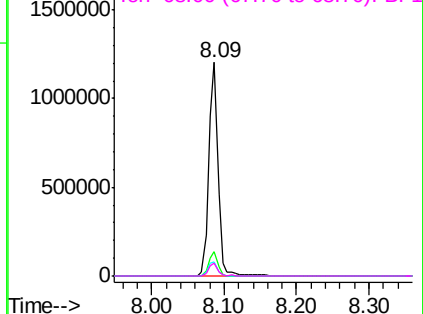
68 5.8 4.2 6.4

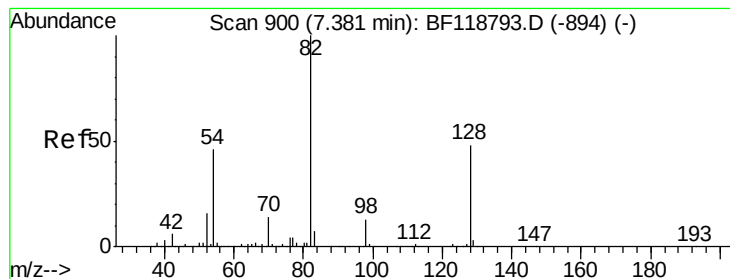
Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.133 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

ClientSampled :

SP-1

Tot Ion: 82 Resp: 1236161

Ion Ratio Lower Upper

82 100

128 47.4 38.5 57.7

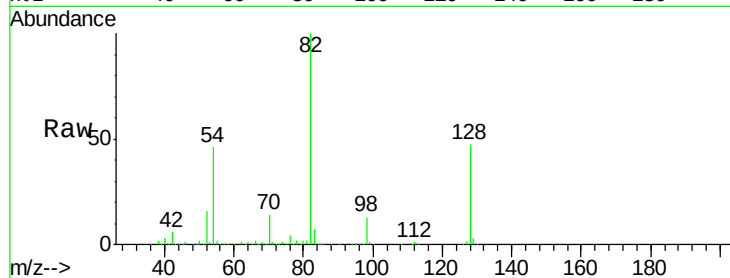
54 46.0 36.7 55.1

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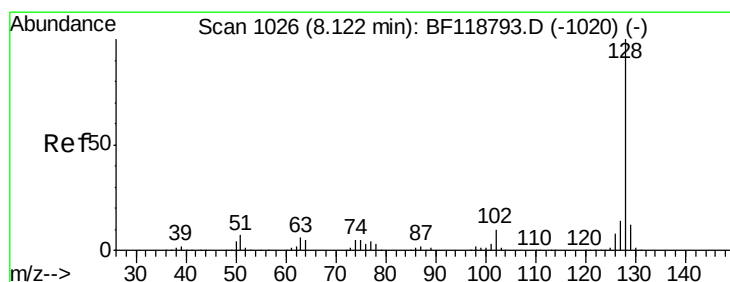
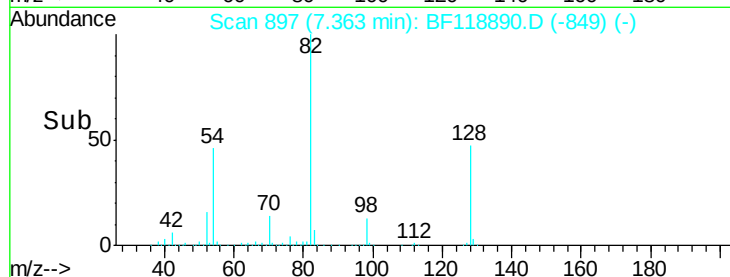
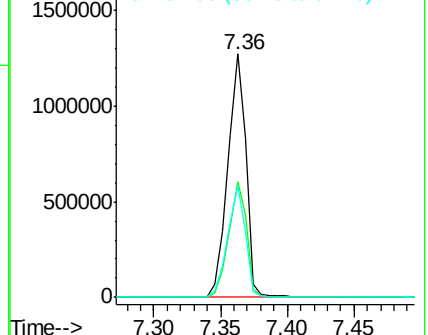
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 3.827 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

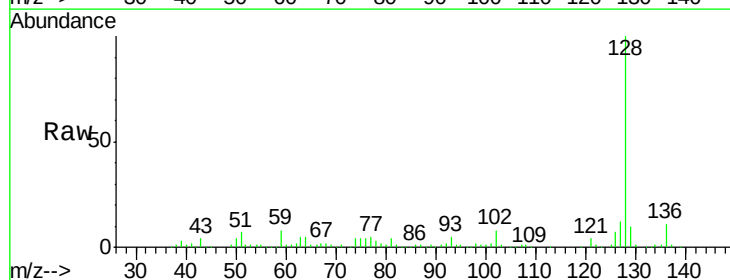
Tgt Ion: 128 Resp: 186539

Ion Ratio Lower Upper

128 100

129 10.4 9.4 14.2

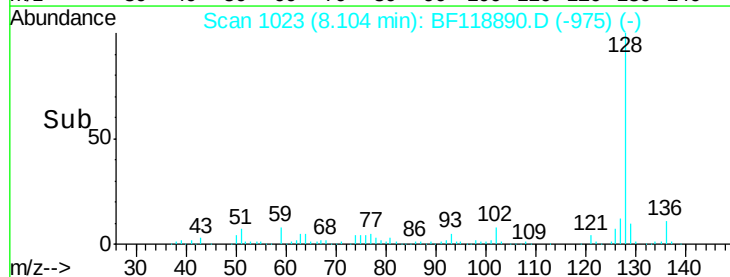
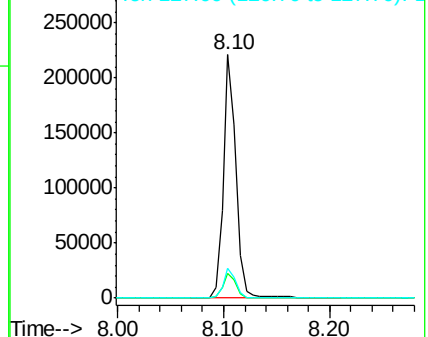
127 12.4 11.3 16.9

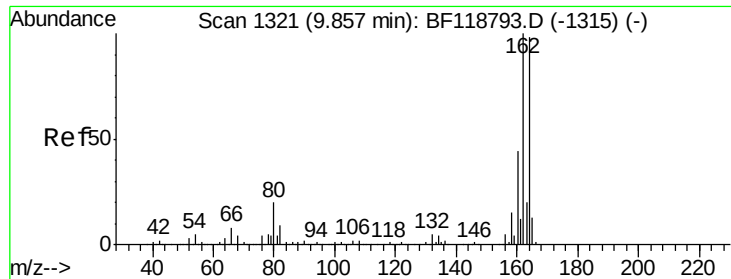


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





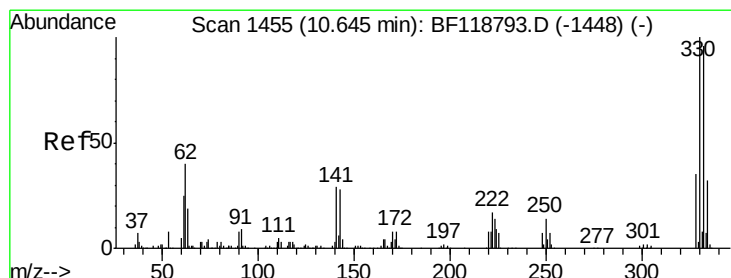
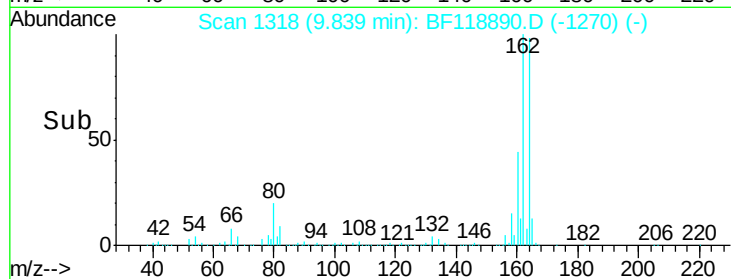
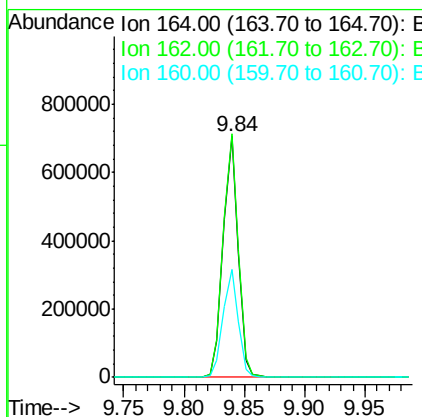
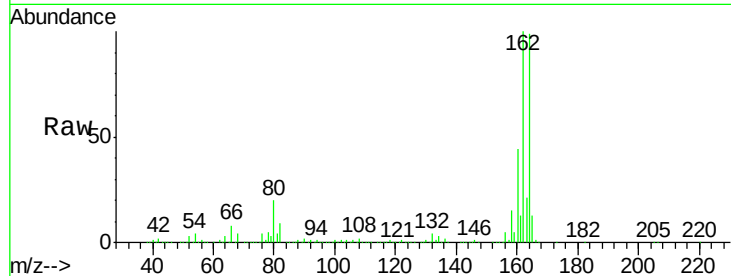
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	605754		
162	101.1	81.4	122.2	
160	44.7	35.6	53.4	

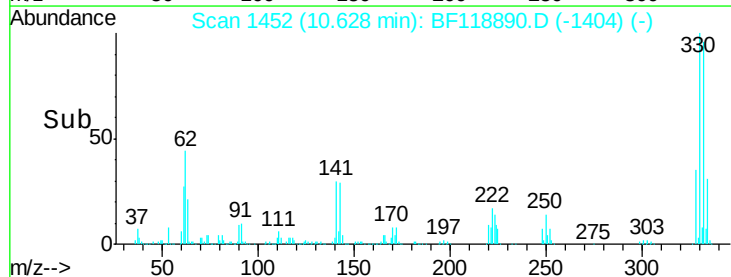
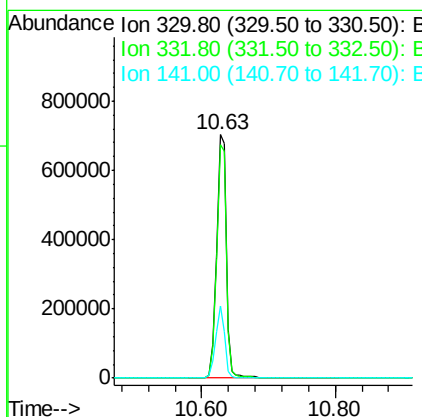
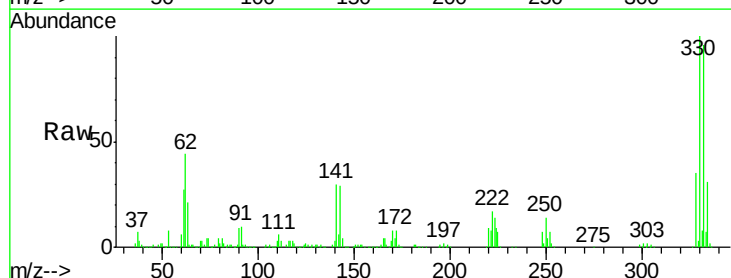
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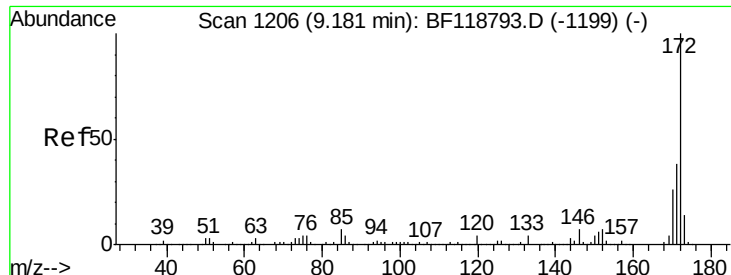
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#42
2,4,6-Tribromophenol
Concen: 100.730 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	730089		
332	96.1	77.3	115.9	
141	27.4	22.4	33.6	





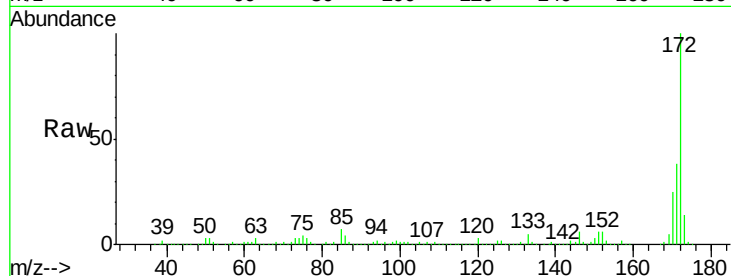
#45
2-Fluorobiphenyl
Concen: 69.950 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

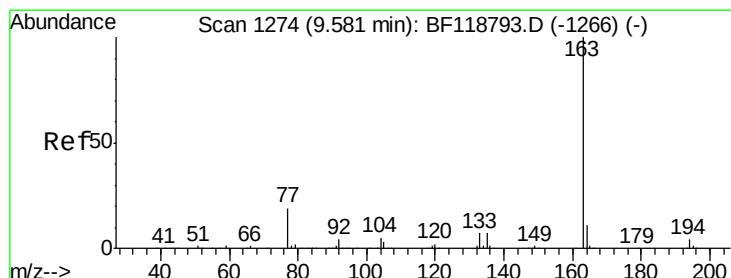
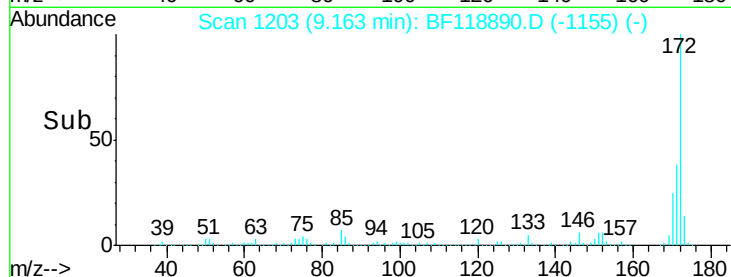
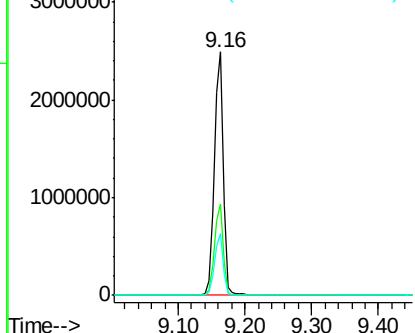
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.8	46.2
170	25.2	20.5	30.7

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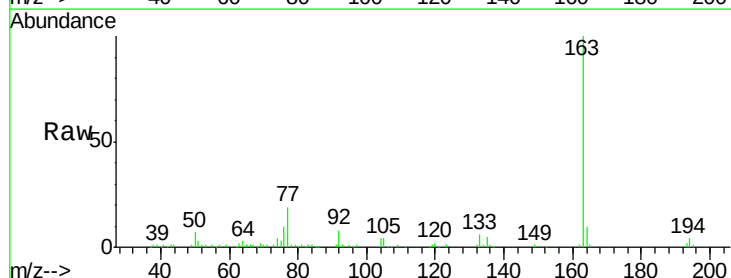


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

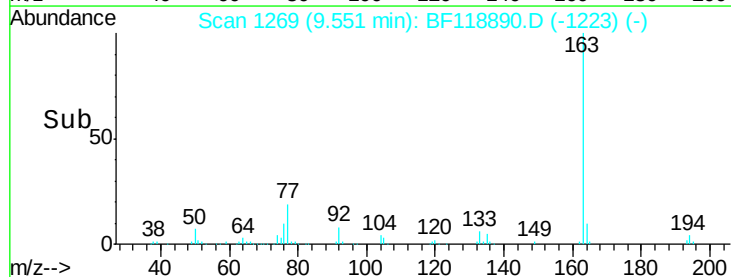
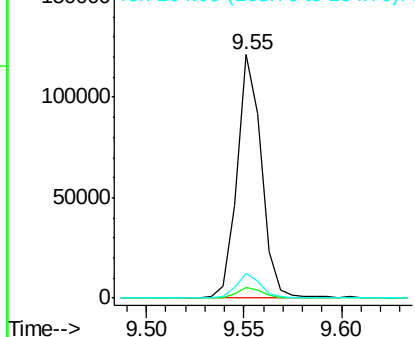


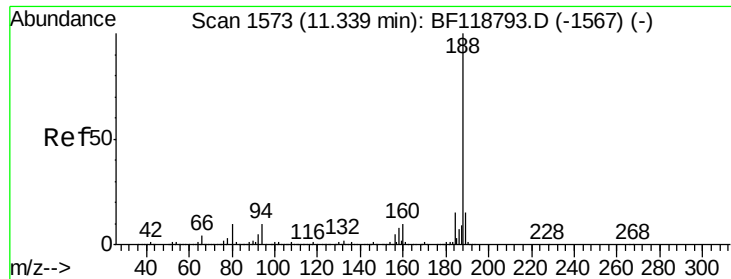
#50
Dimethylphthalate
Concen: 2.549 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.1	8.7	13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

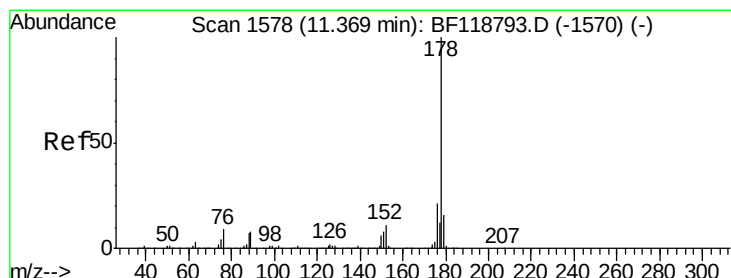
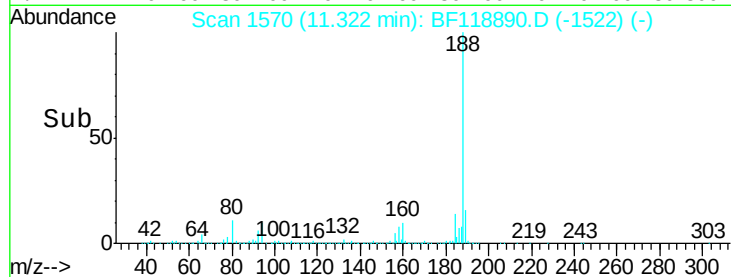
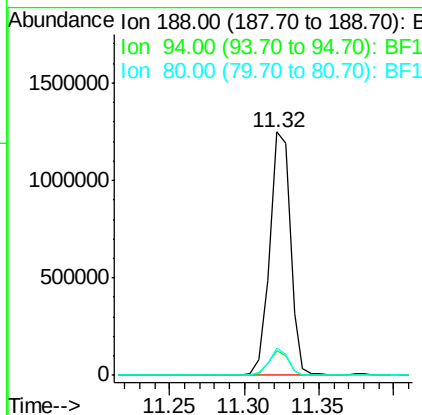
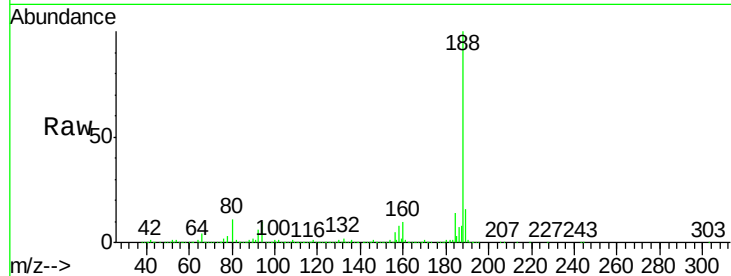
ClientSampleId :

SP-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	11.0	8.4	12.6

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#71

Phenanthrene

Concen: 7.257 ng

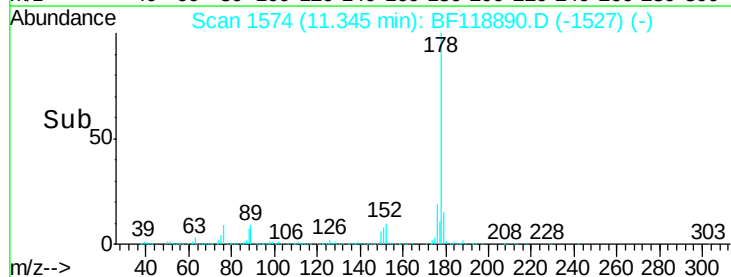
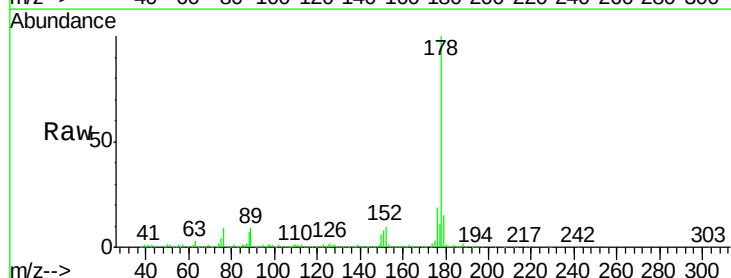
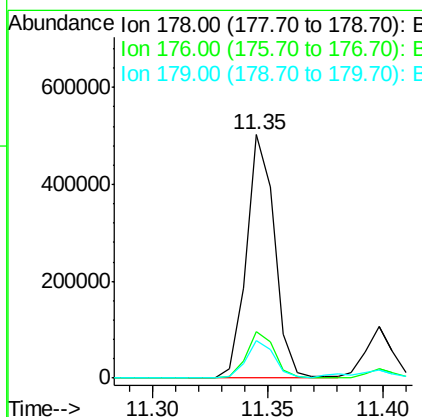
RT: 11.35 min Scan# 1574

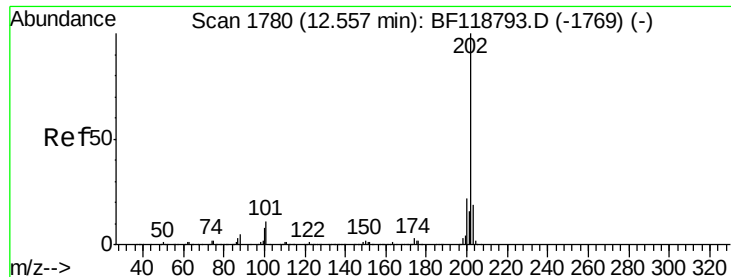
Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	24.8
179	15.5	13.2	19.8





#75

Fluoranthene

Concen: 8.172 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Instrument :

BNA_F

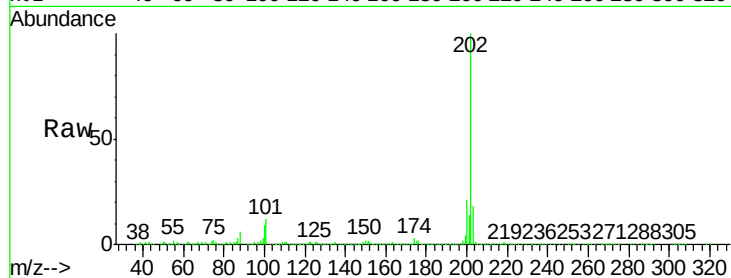
ClientSampled :

SP-1

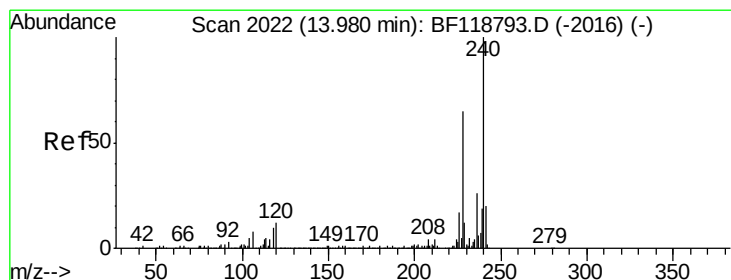
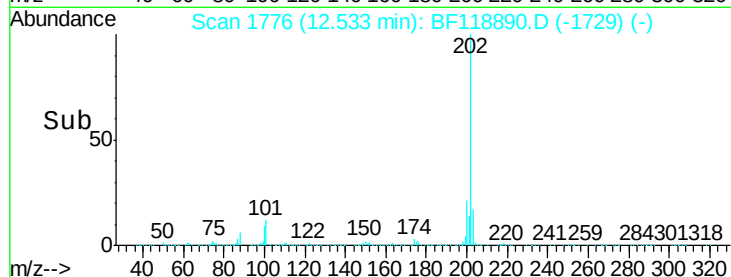
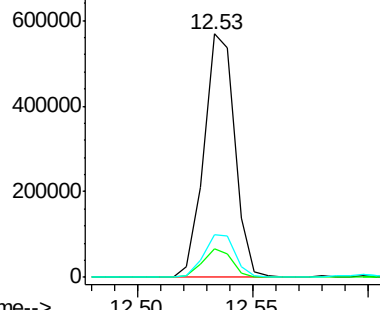
Tot Ion:	202	Resp:	526897
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.0
203	17.6	0.0	38.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

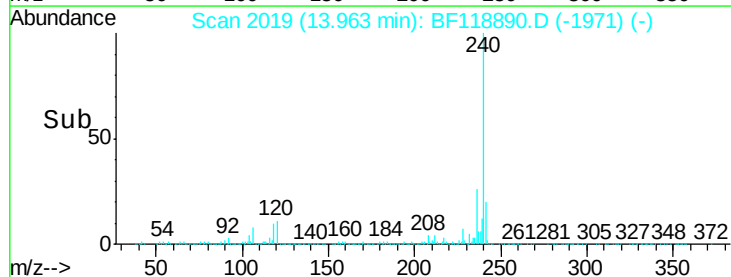
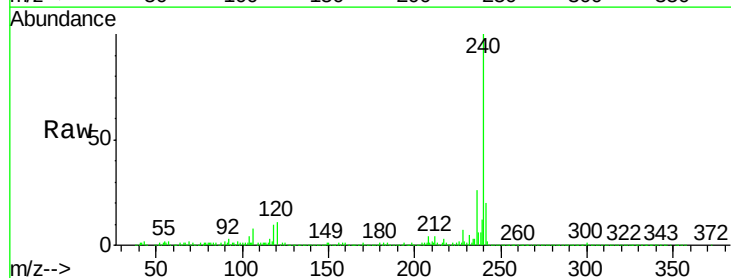
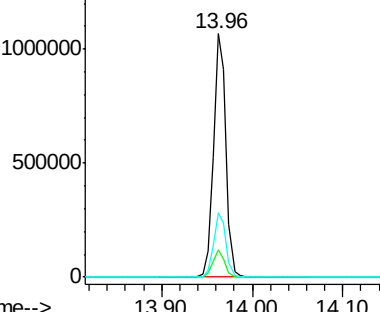
Delta R.T. -0.02 min

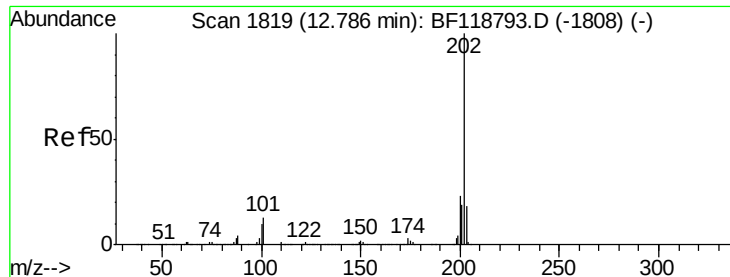
Lab File: BF118890.D

Acq: 11 Feb 2020 18:09

Tgt Ion:	240	Resp:	1024781
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.4	14.0
236	26.2	21.0	31.6

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





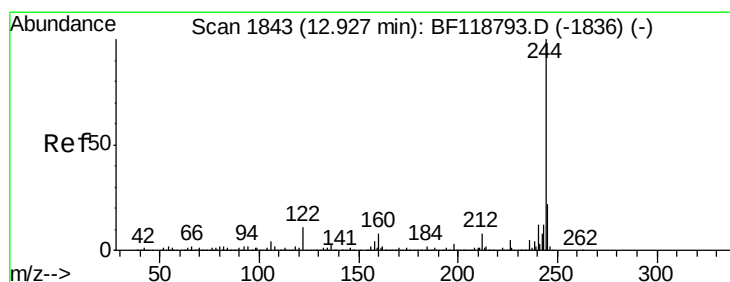
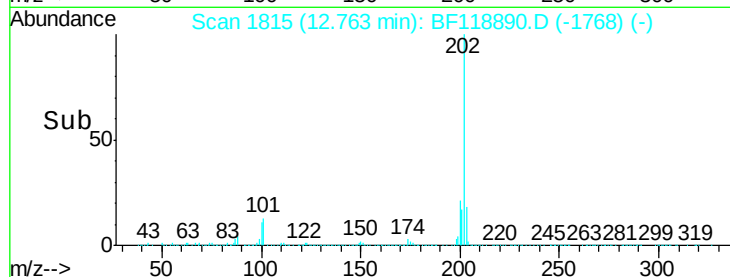
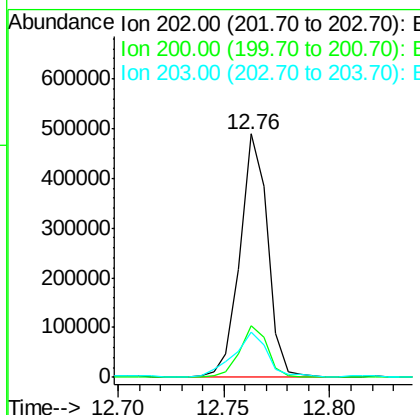
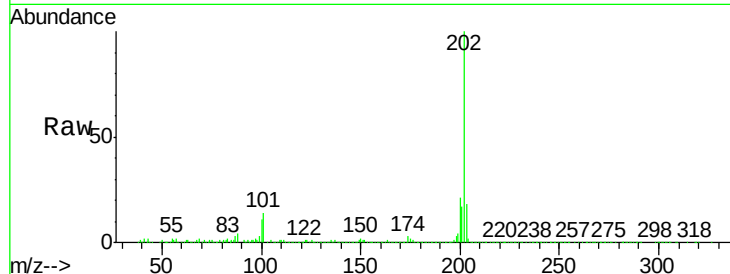
#78
Pvrene
Concen: 6.293 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.2	27.2
203	18.4	14.8	22.2

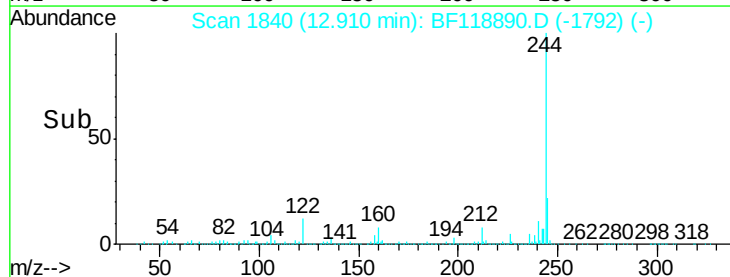
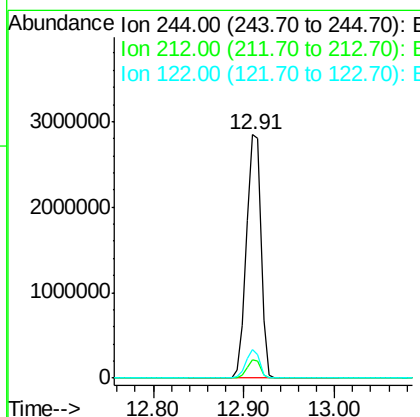
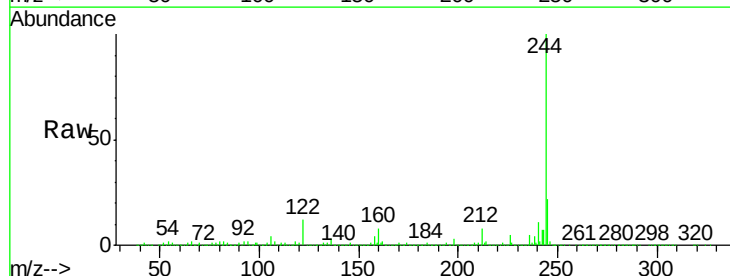
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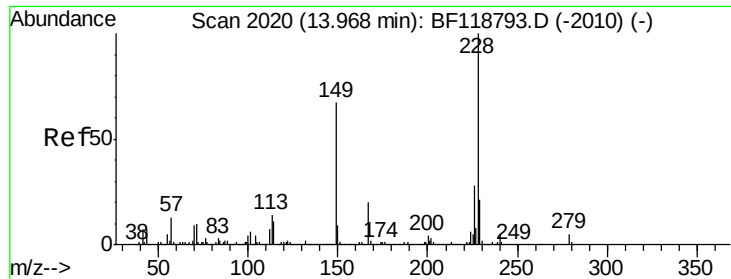
mohammad
2/12/2020 3:50:57 PM



#79
Terphenyl-d14
Concen: 63.446 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	11.7	8.9	13.3





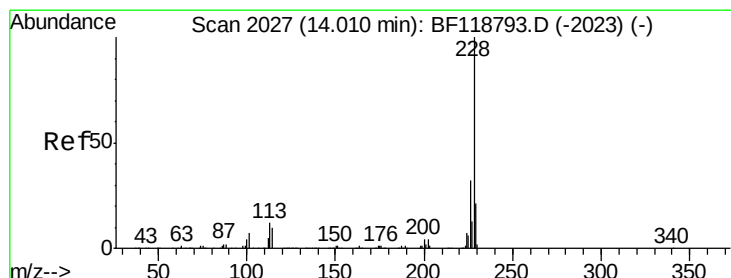
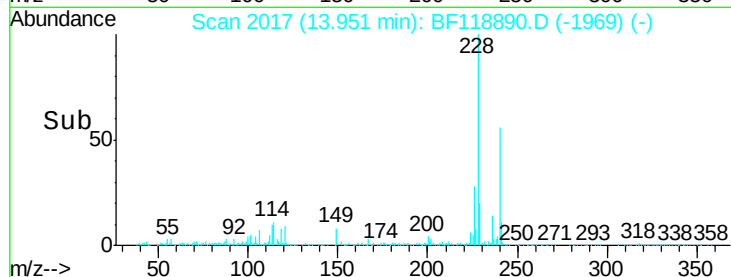
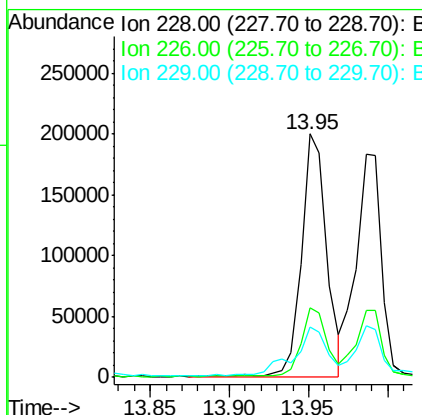
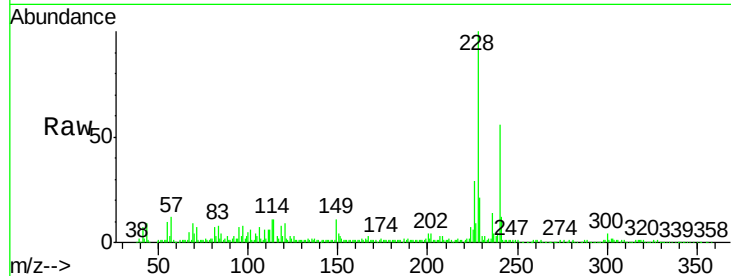
#81
Benzo(a)anthracene
Concen: 3.561 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	20.6	16.6	25.0

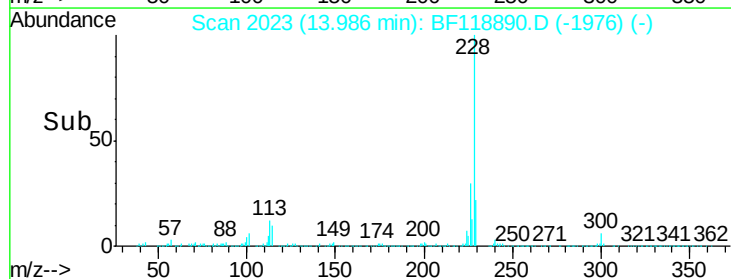
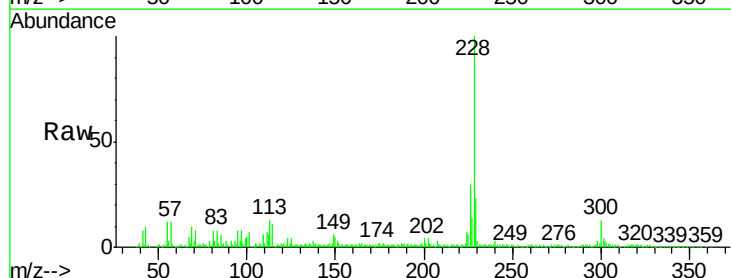
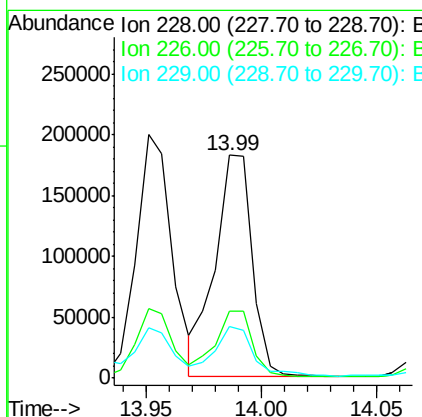
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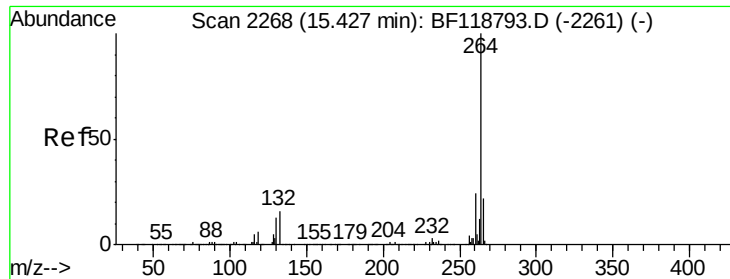
mohammad
2/12/2020 3:50:57 PM



#83
Chrysene
Concen: 3.351 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	23.2	16.9	25.3





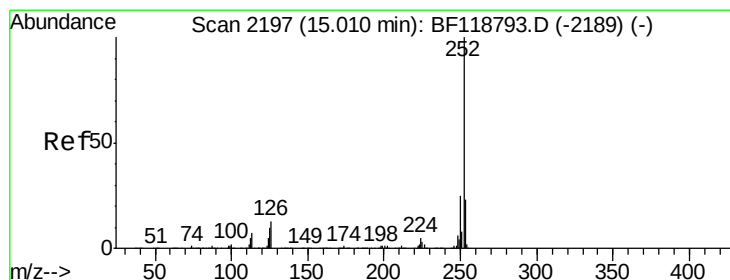
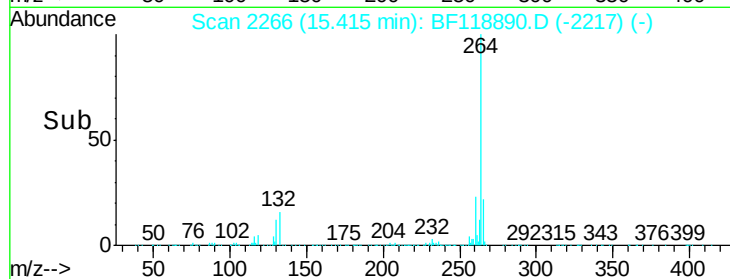
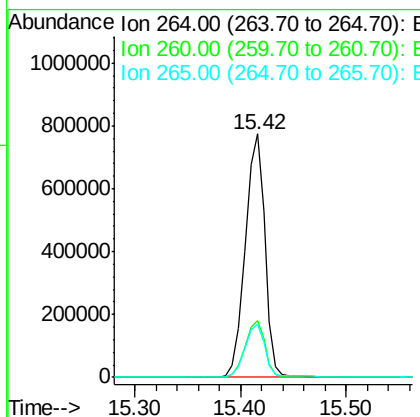
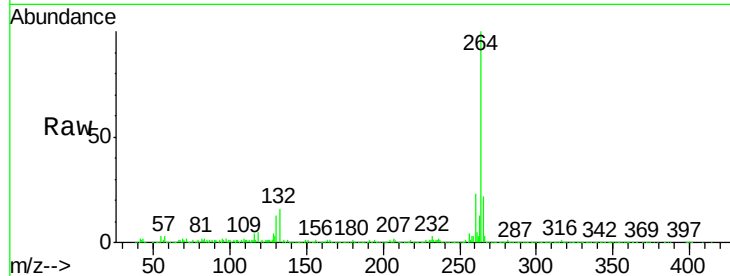
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.0	17.2	25.8

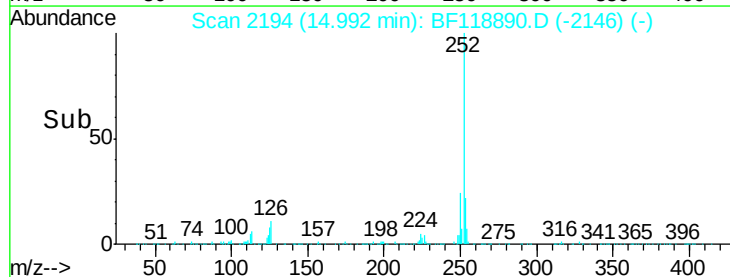
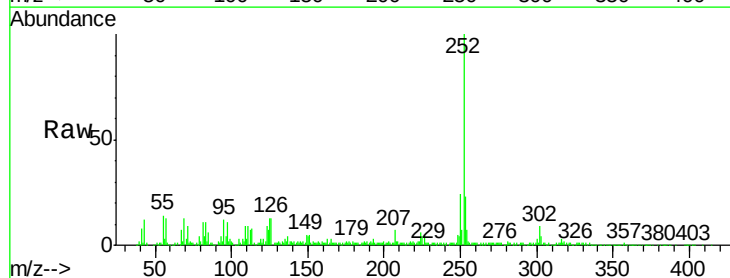
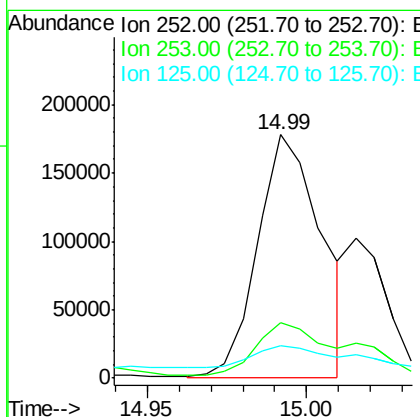
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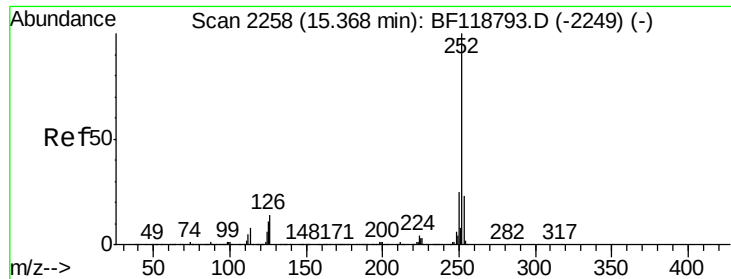
mohammad
2/12/2020 3:50:57 PM



#88
Benzo(b)fluoranthene
Concen: 4.059 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	13.4	8.1	12.1





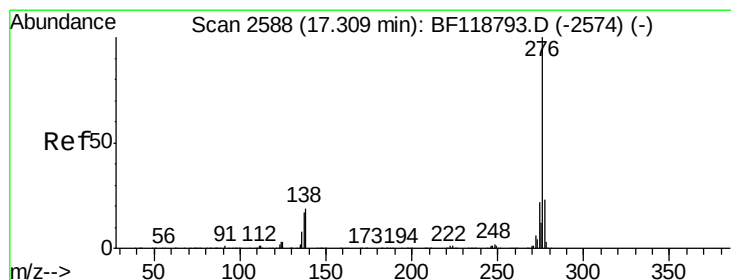
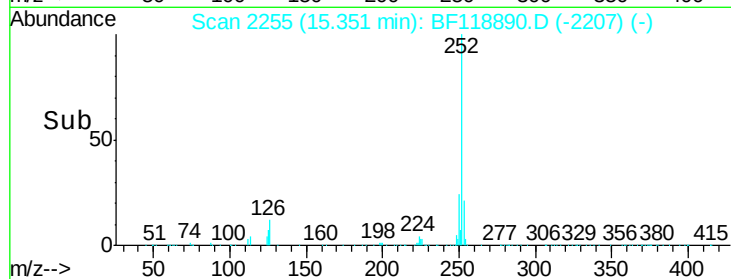
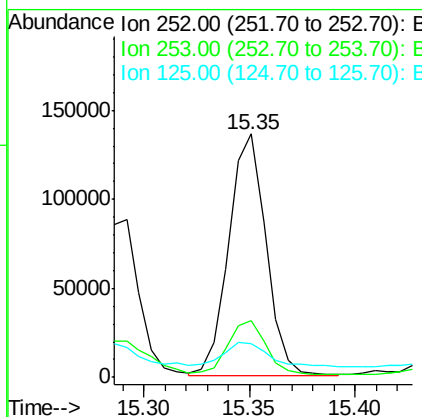
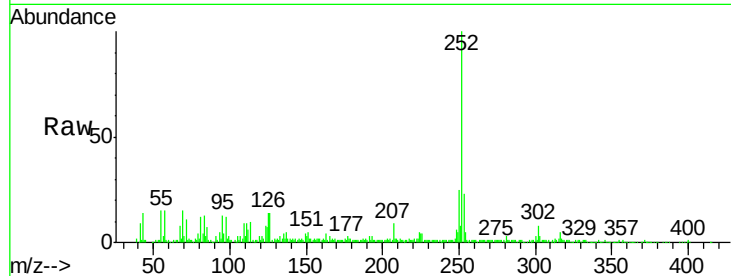
#90
Benzo(a)pyrene
Concen: 3.134 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.9	8.7	13.1

Manual Integrations
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mohammad
2/12/2020 3:50:57 PM



#92
Benzo(g,h,i)perylene
Concen: 2.013 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BF118890.D
Acq: 11 Feb 2020 18:09

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.5	18.7	28.1
138	22.3	15.4	23.2

