

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120651.D
 Acq On : 18 Jun 2020 19:33
 Operator : JU/CG
 Sample : L3037-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-01C

Manual Integrations
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Quant Time: Jun 19 01:33:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	153767	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	563384	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	283536	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	530935	20.00	ng	0.00
76) Chrysene-d12	13.96	240	436136	20.00	ng	0.00
86) Perylene-d12	15.40	264	388577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	981839	109.47	ng	0.00
7) Phenol-d6	6.44	99	1218393	109.07	ng	0.00
23) Nitrobenzene-d5	7.36	82	749016	74.31	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	354908	107.66	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1446585	78.06	ng	0.00
79) Terphenyl-d14	12.91	244	1632473	82.68	ng	0.00
Target Compounds						
49) Acenaphthylene	9.70	152	60138	2.251	ng	98
50) Dimethylphthalate	9.55	163	137875	6.752	ng	98
71) Phenanthrene	11.35	178	237091	8.983	ng	98
72) Anthracene	11.40	178	56864	2.137	ng	99
75) Fluoranthene	12.53	202	280077	9.282	ng	98
78) Pyrene	12.76	202	383610	12.416	ng	98
81) Benzo(a)anthracene	13.95	228	182074m	6.949	ng	
83) Chrysene	13.99	228	187725	6.984	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	65491	2.771	ng	96
88) Benzo(b)fluoranthene	14.99	252	166179m	7.179	ng	
89) Benzo(k)fluoranthene	15.01	252	51696m	2.524	ng	
90) Benzo(a)pyrene	15.34	252	124516	6.011	ng	# 93
92) Benzo(a,h,i)perylene	17.26	276	77505	4.057	ng	93

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

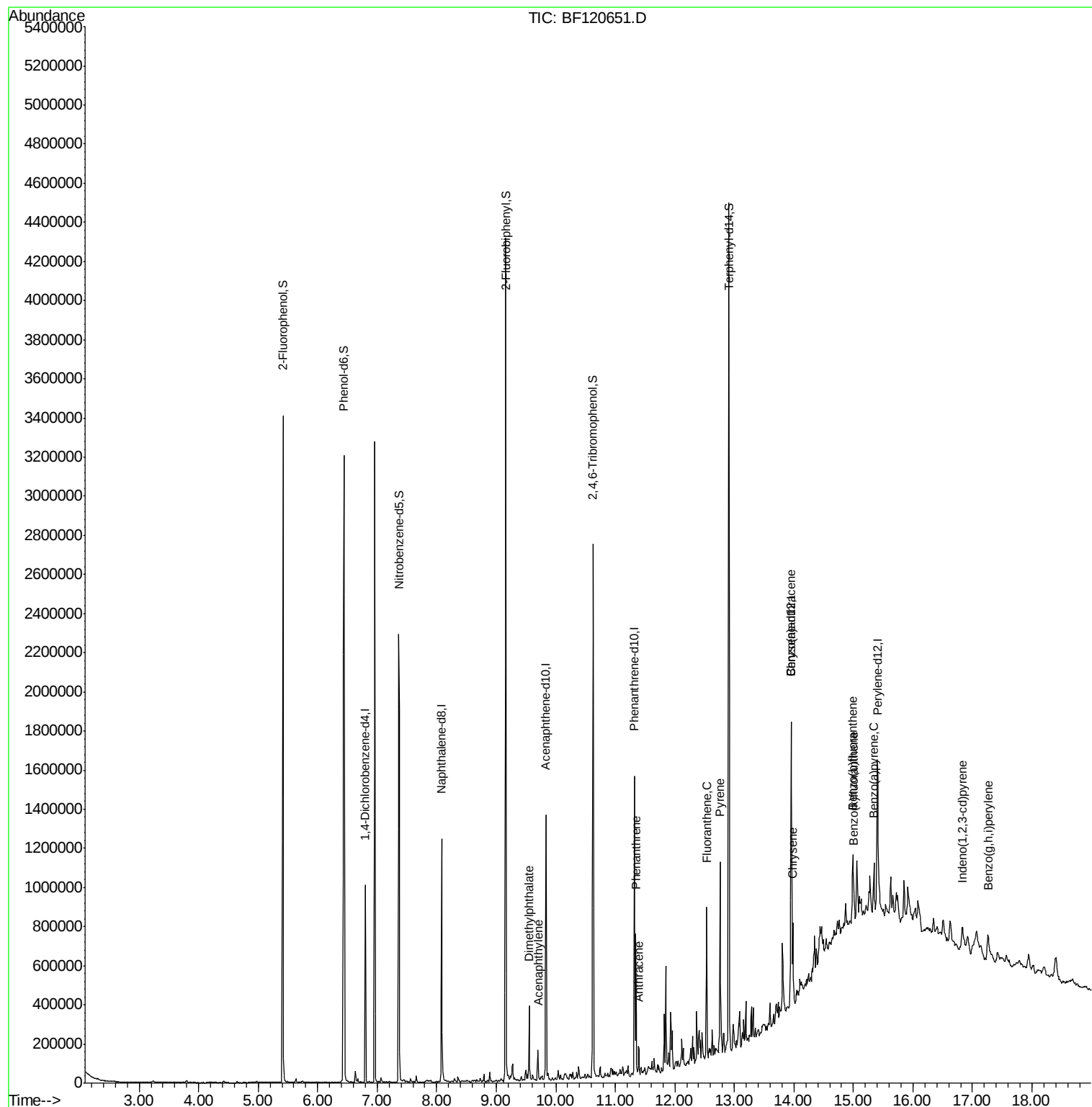
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
Data File : BF120651.D
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ALS Vial : 11 Sample Multiplier: 1

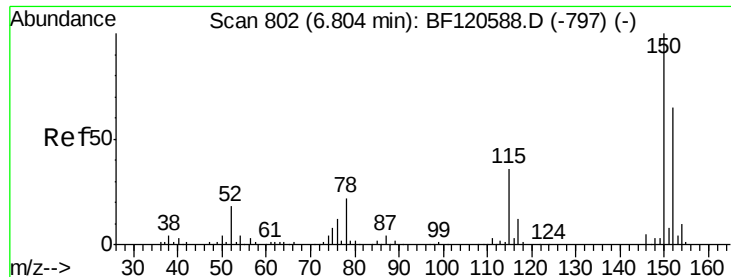
Instrument :
BNA_F
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Quant Time: Jun 19 01:33:20 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 11 11:28:22 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

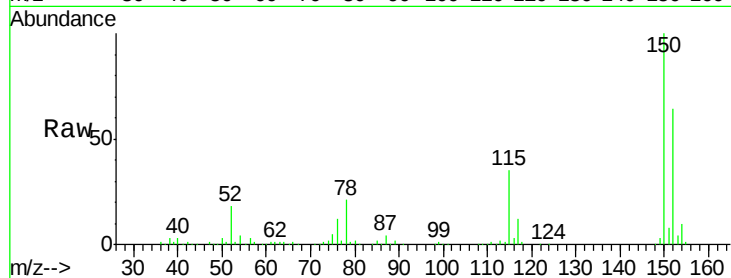
ClientSampleId :

SL-WC-01C

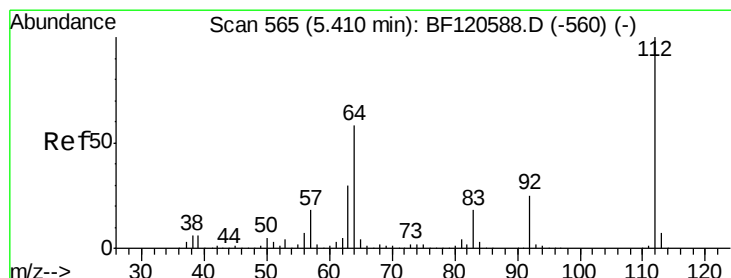
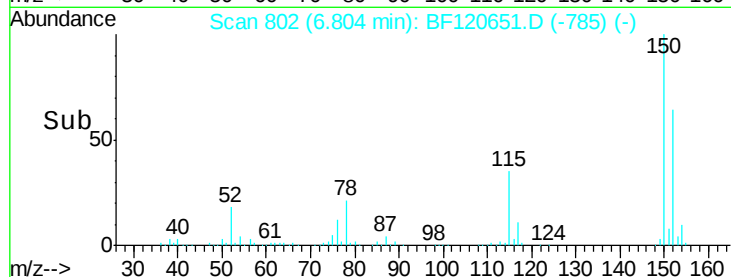
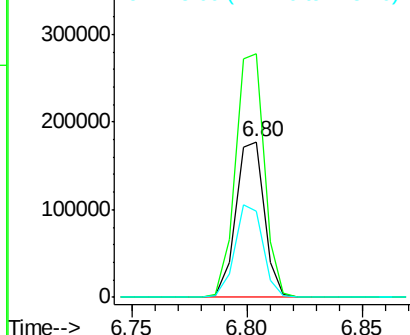
Tot Ion:	152	Resp:	153767
Ion Ratio	Lower	Upper	
152	100		
150	156.5	123.2	184.8
115	55.3	43.9	65.9

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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



#5

2-Fluorophenol

Concen: 109.472 ng

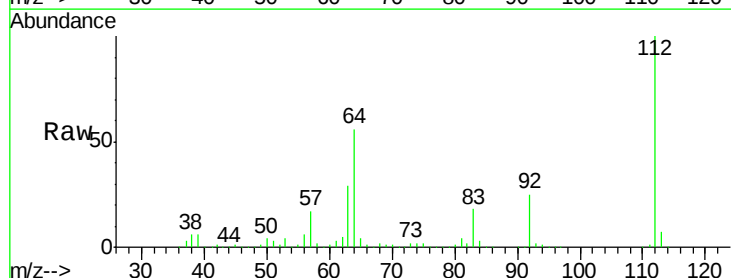
RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

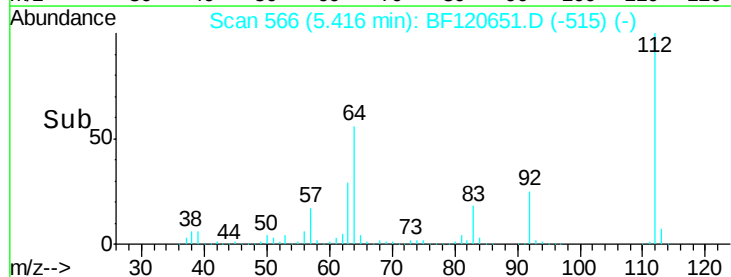
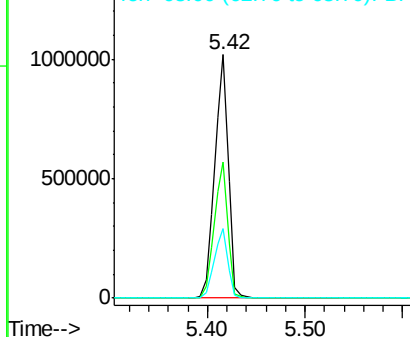
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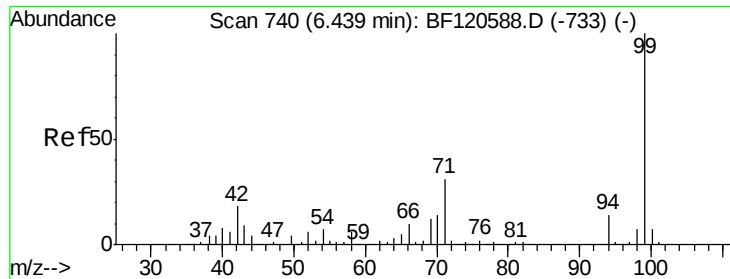
Acq: 18 Jun 2020 19:33

Tgt Ion:	112	Resp:	981839
Ion Ratio	Lower	Upper	
112	100		
64	55.8	46.1	69.1
63	28.8	23.7	35.5



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: 109.070 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampleId :

SL-WC-01C

Tot Ion: 99 Resp: 1218393

Ion Ratio Lower Upper

99 100

42 18.9 14.0 21.0

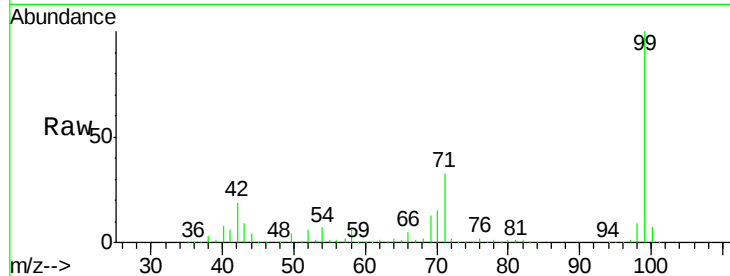
71 33.3 24.9 37.3

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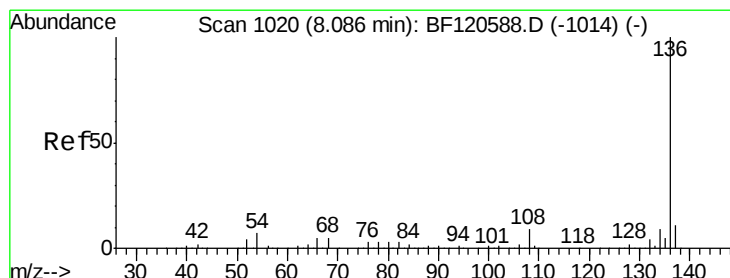
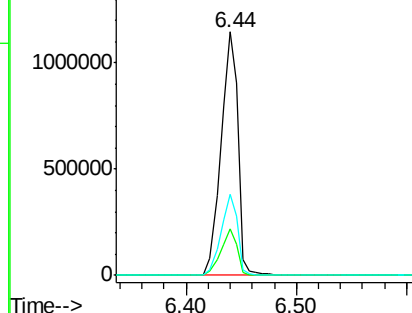
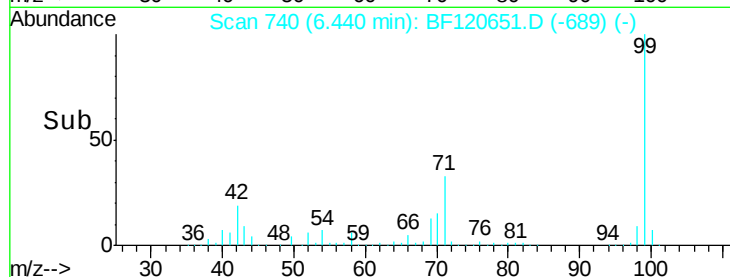
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Tgt Ion: 136 Resp: 563384

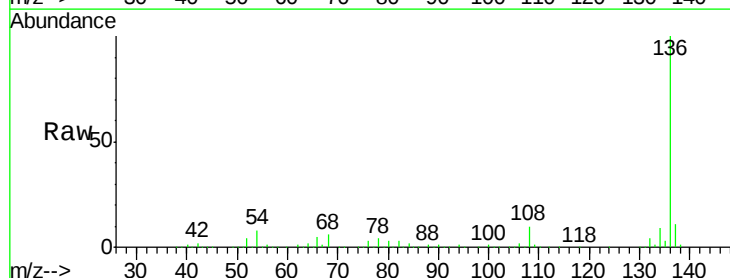
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 8.3 5.8 8.6

68 6.5 4.4 6.6

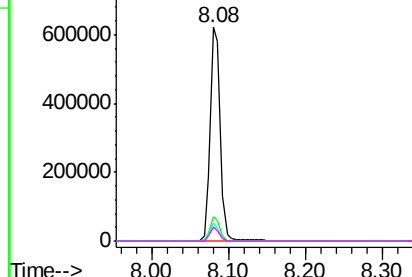
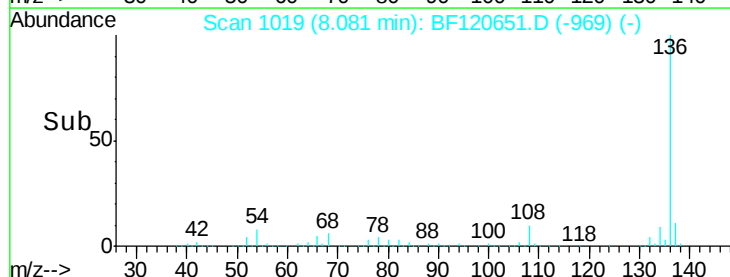


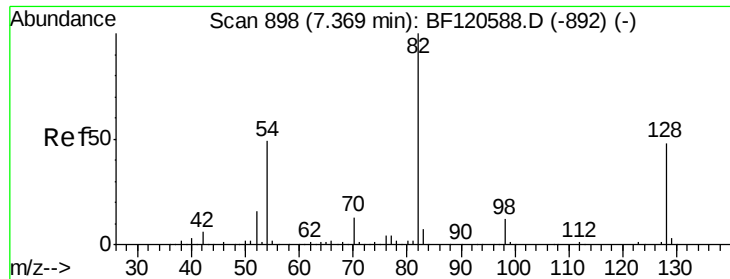
Abundance Ion 136.00 (135.70 to 136.70): E

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





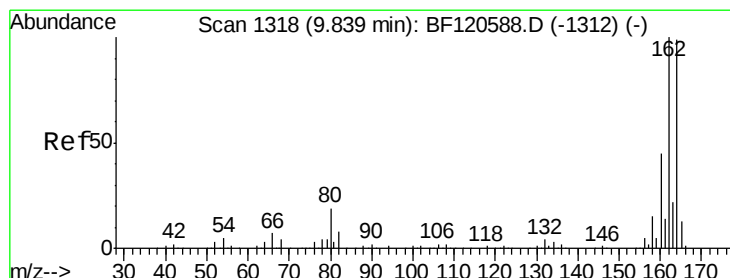
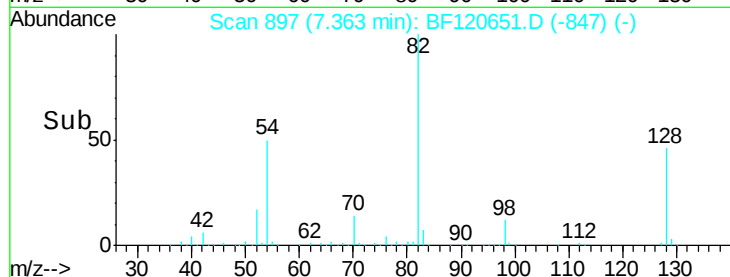
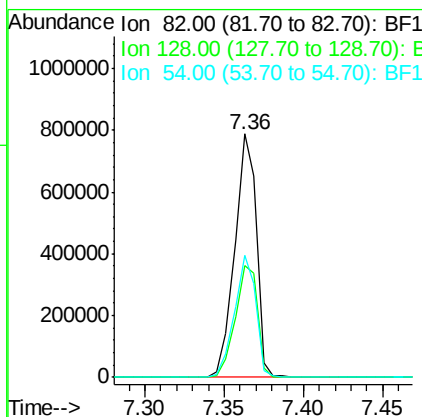
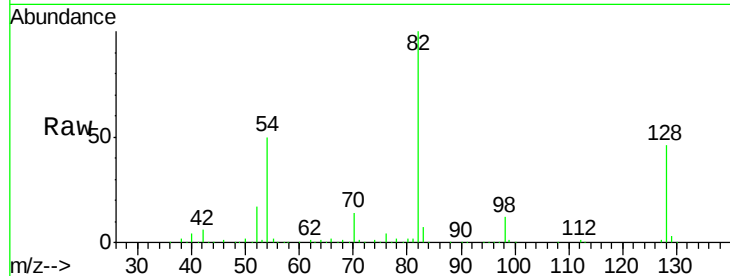
#23
Nitrobenzene-d5
Concen: 74.314 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampled :
SL-WC-01C

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.0	57.0
54	50.2	38.8	58.2

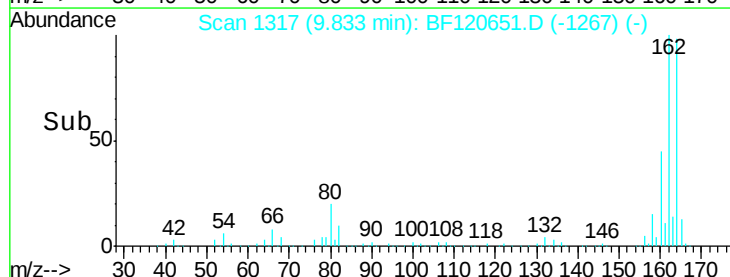
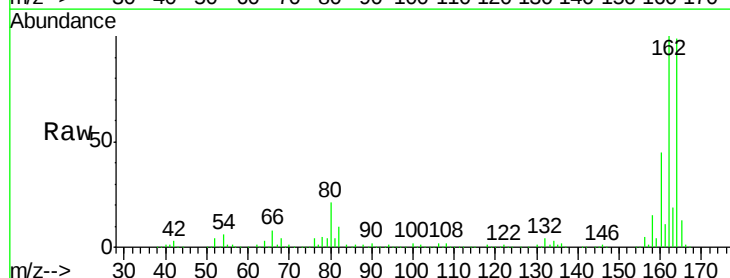
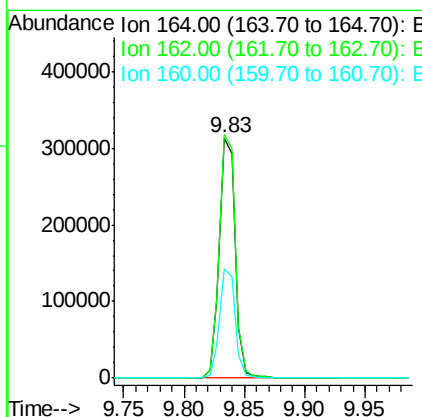
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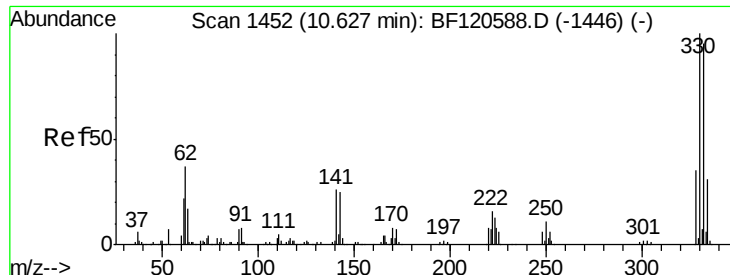
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	45.4	36.2	54.2





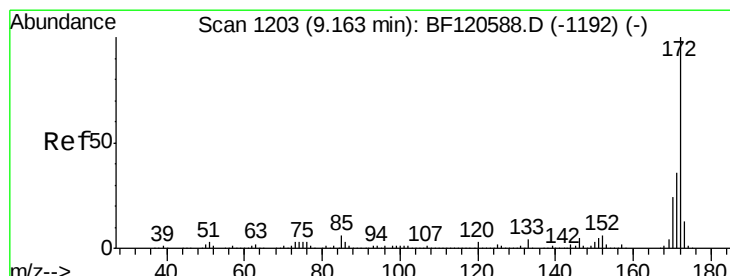
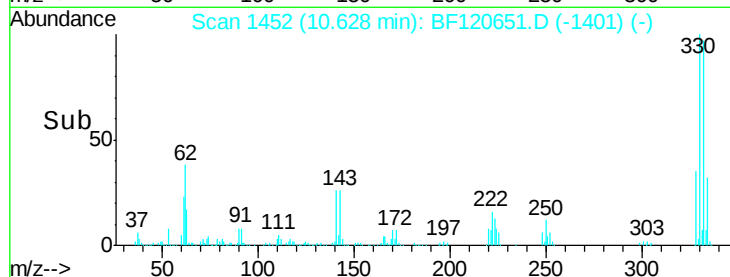
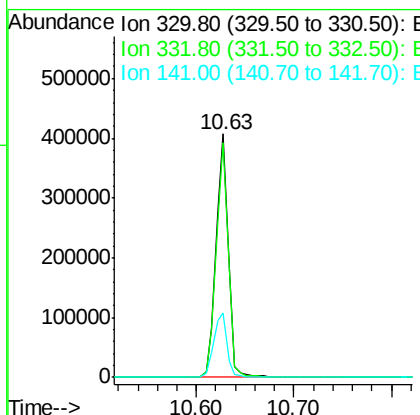
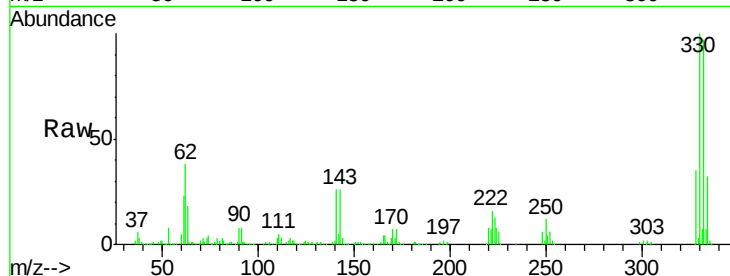
#42
 2,4,6-Tribromophenol
 Concen: 107.662 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Instrument :
 BNA_F
 ClientSampled :
 SL-WC-01C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	354908		
332	96.1	76.8	115.2	
141	29.2	23.2	34.8	

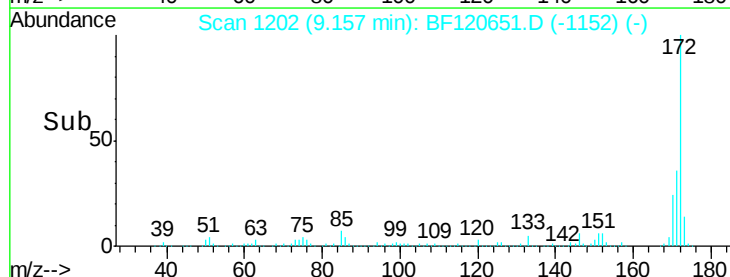
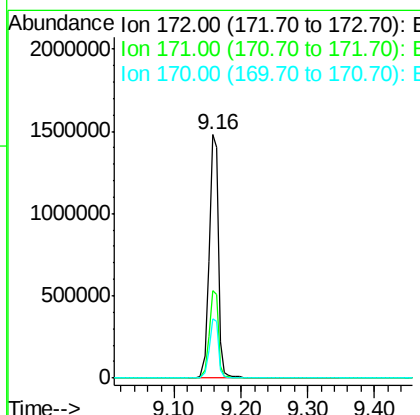
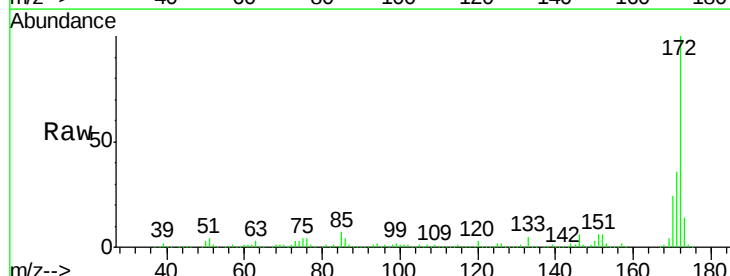
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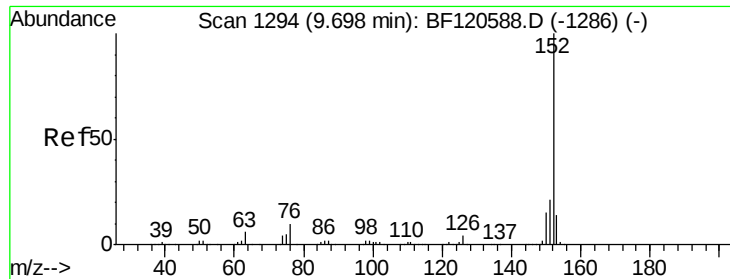
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#45
 2-Fluorobiphenyl
 Concen: 78.059 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1446585		
171	35.9	29.0	43.4	
170	24.2	19.4	29.2	





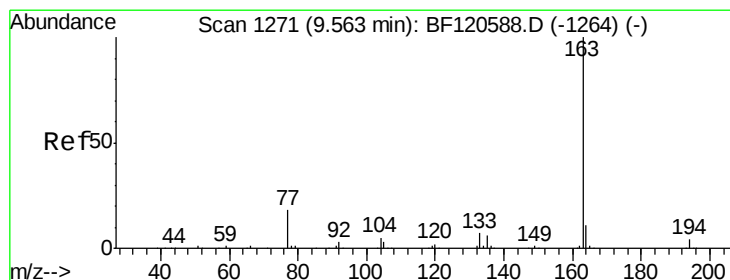
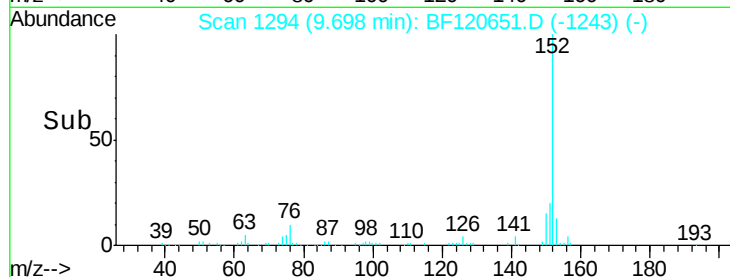
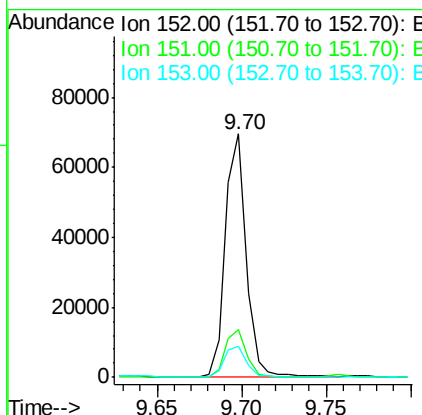
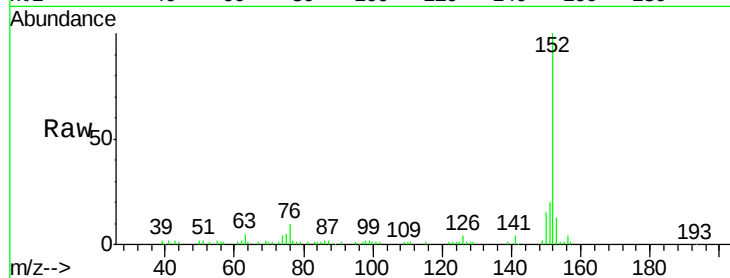
#49
Acenaphthylene
Concen: 2.251 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	13.0	11.0	16.6

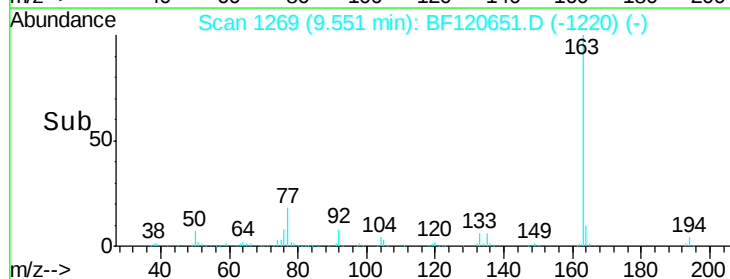
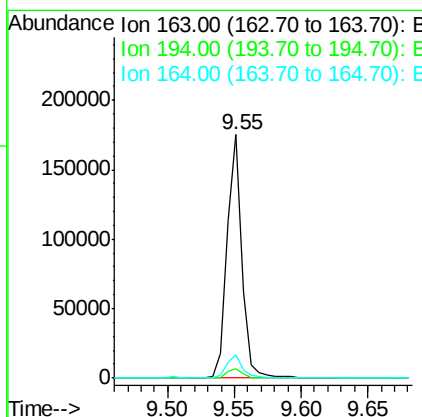
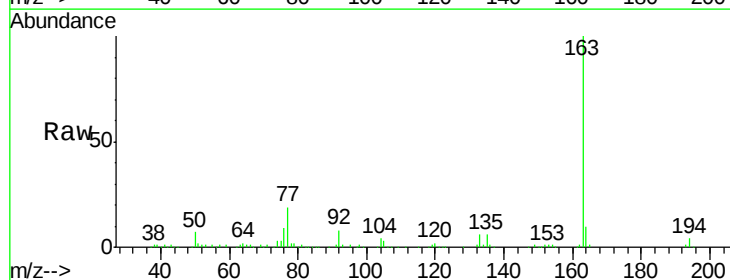
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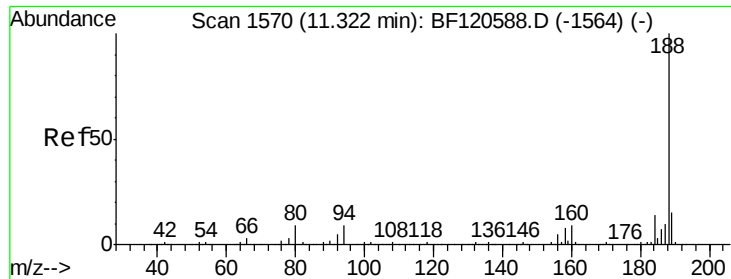
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#50
Dimethylphthalate
Concen: 6.752 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120651.D
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.8	8.5	12.7





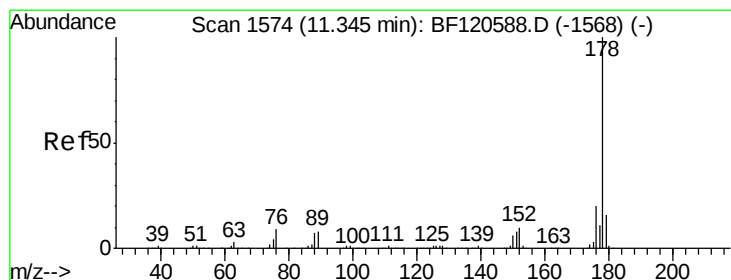
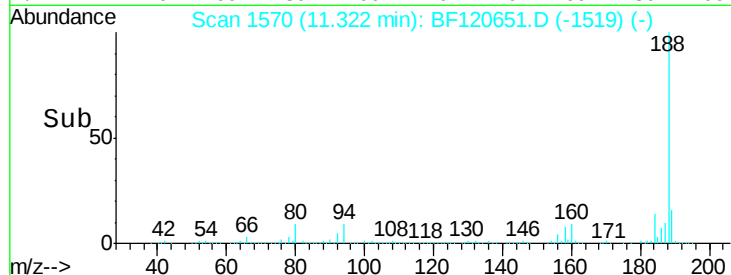
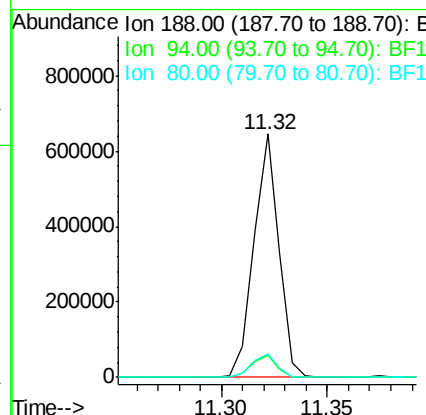
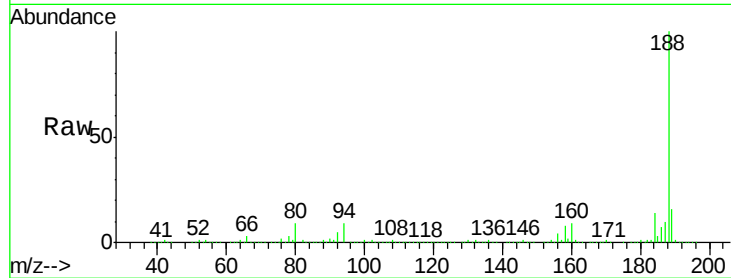
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.5	7.4	11.2

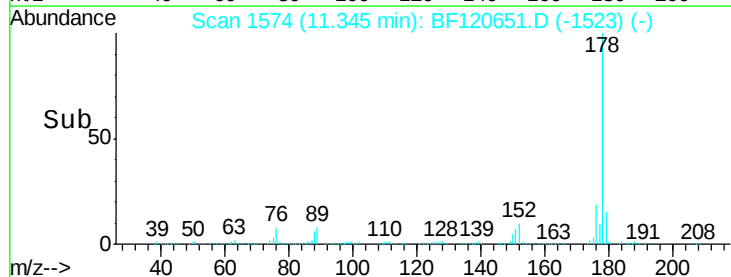
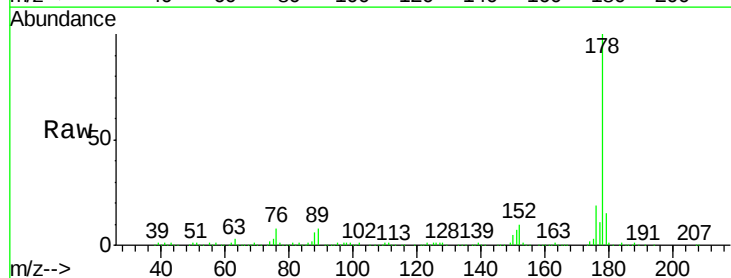
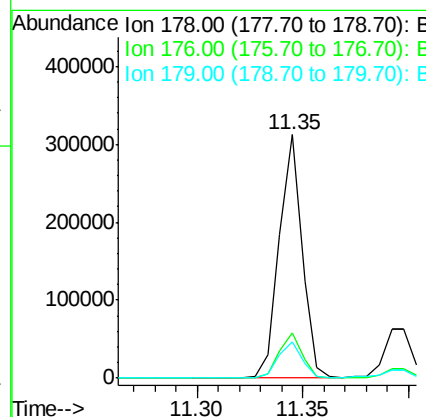
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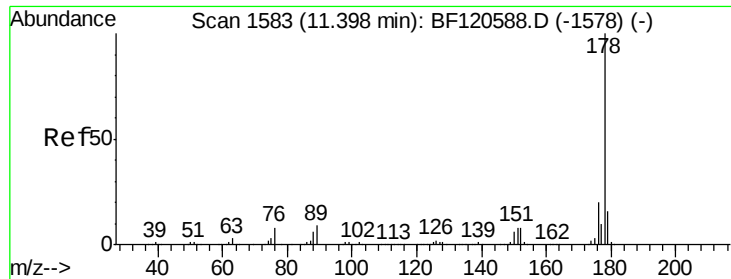
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#71
Phenanthrene
Concen: 8.983 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.1	12.8	19.2





#72

Anthracene

Concen: 2.137 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

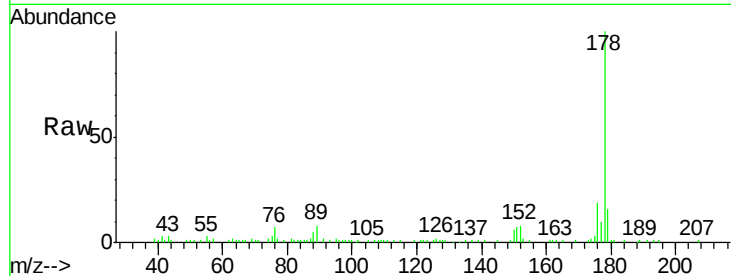
ClientSampleId :

SL-WC-01C

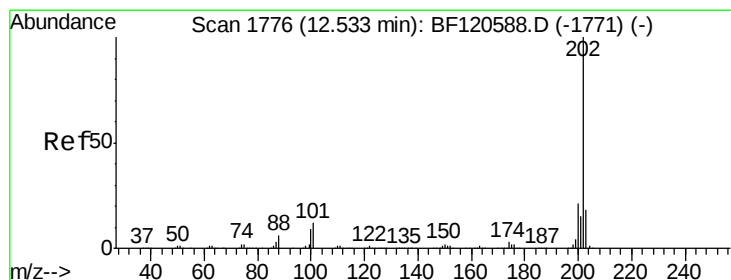
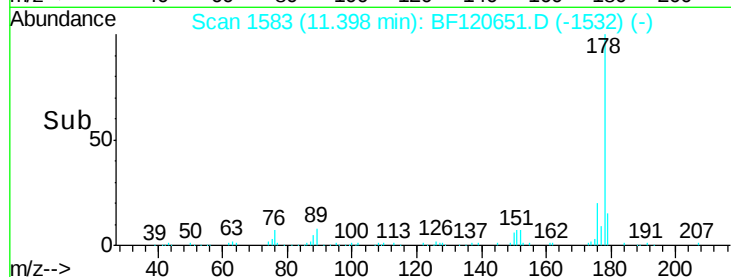
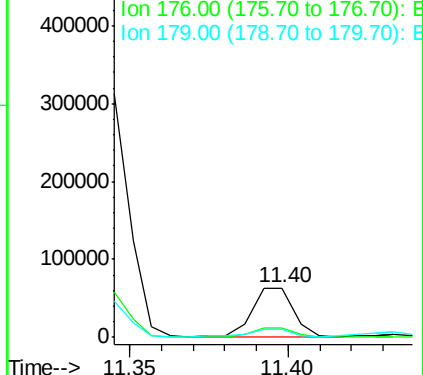
Tot Ion:	178	Resp:	56864
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.6	12.9	19.3

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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



#75

Fluoranthene

Concen: 9.282 ng

RT: 12.53 min Scan# 1776

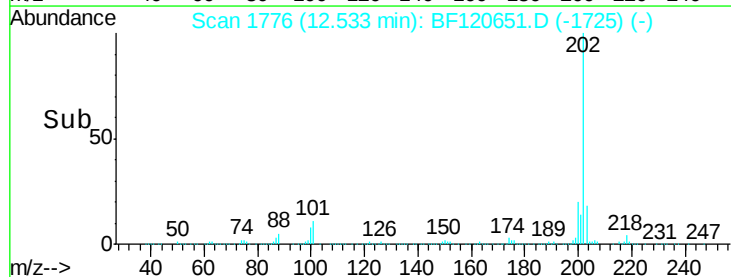
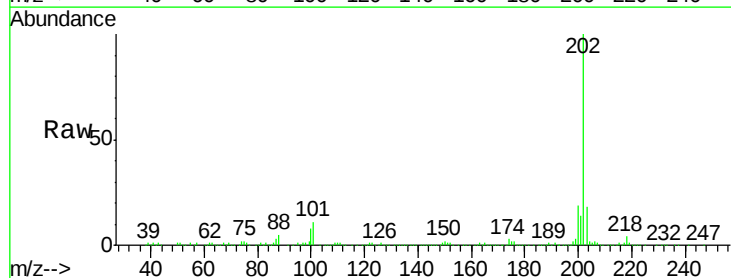
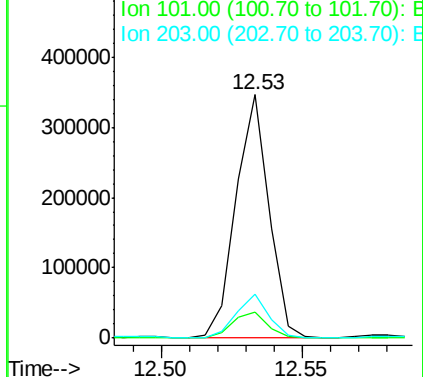
Delta R.T. 0.00 min

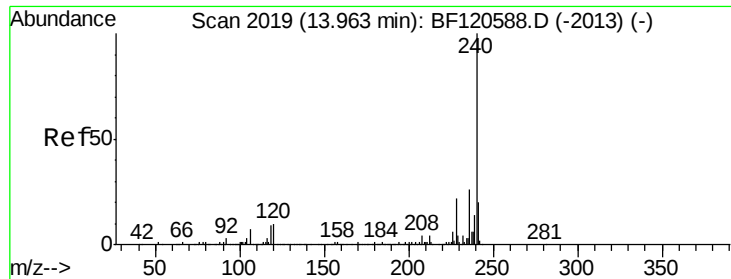
Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Tgt Ion:	202	Resp:	280077
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	32.0
203	17.9	0.0	38.3

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# 2018

Delta R.T. -0.01 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

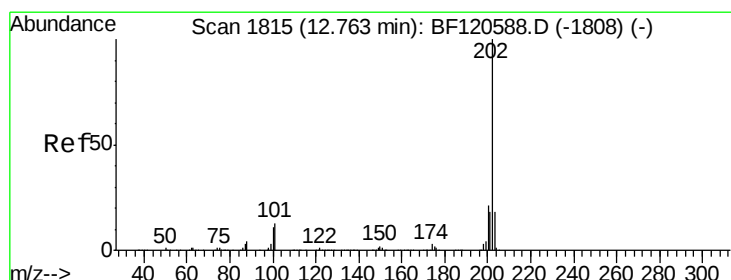
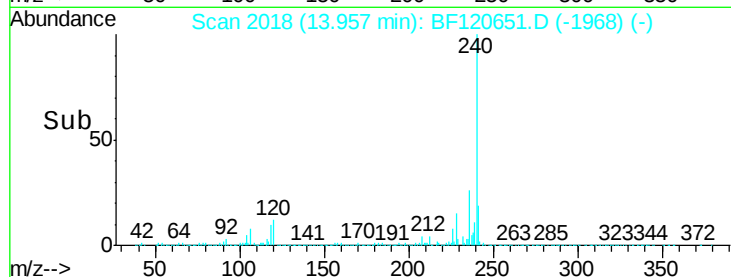
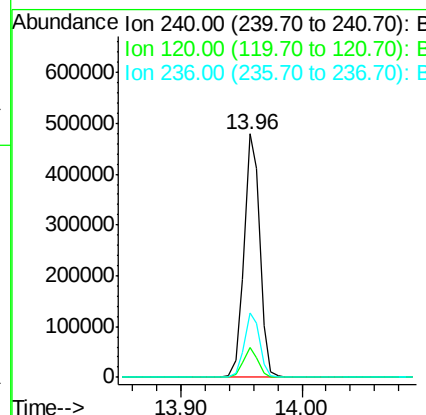
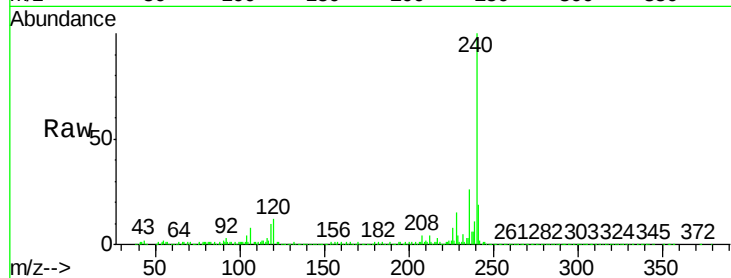
ClientSampleId :

SL-WC-01C

Tot Ion:	240	Resp:	436136
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.3	12.5
236	26.4	21.0	31.4

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#78

Pyrene

Concen: 12.416 ng

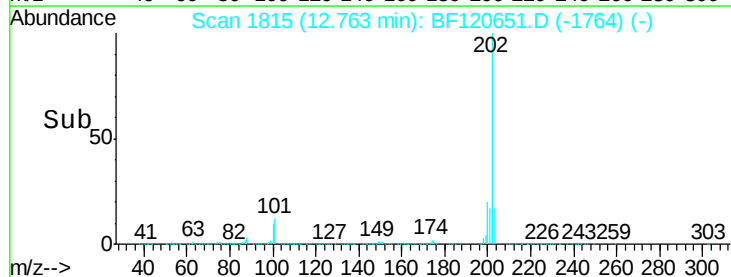
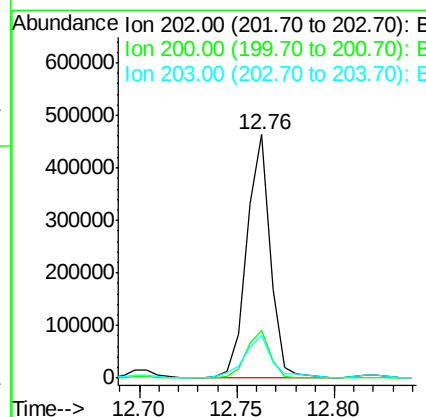
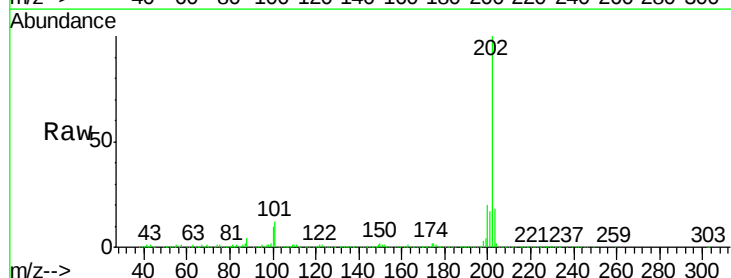
RT: 12.76 min Scan# 1815

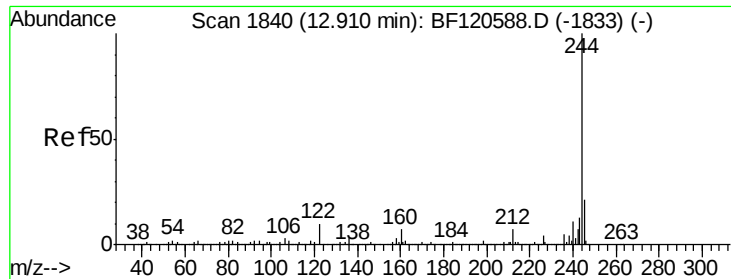
Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Tgt Ion:	202	Resp:	383610
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.8	25.2
203	17.5	14.3	21.5





#79

Terphenyl-d14

Concen: 82.679 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

Instrument :

BNA_F

ClientSampled :

SL-WC-01C

Tot Ion:244 Resp: 1632473

Ion Ratio Lower Upper

244 100

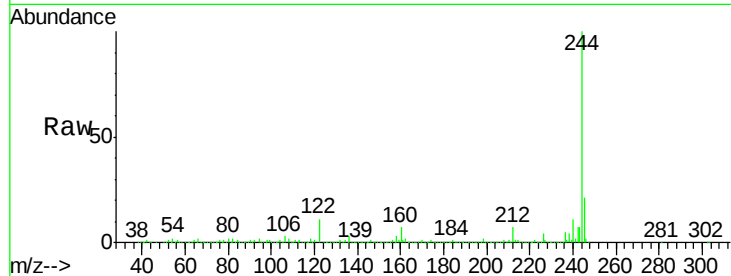
212 6.9 5.7 8.5

122 10.6 8.3 12.5

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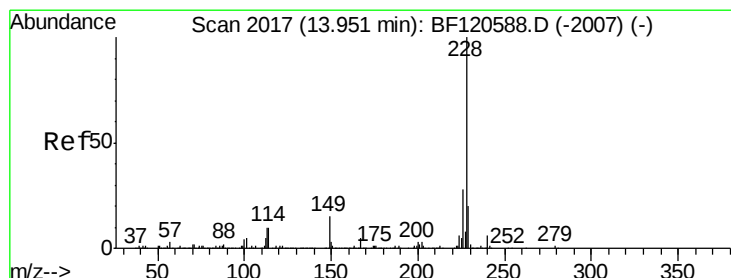
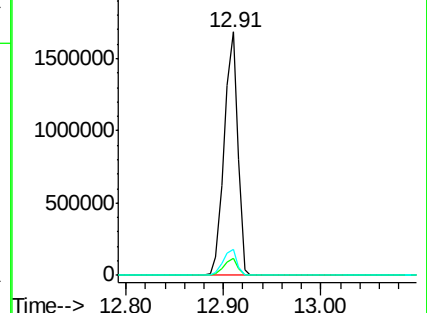
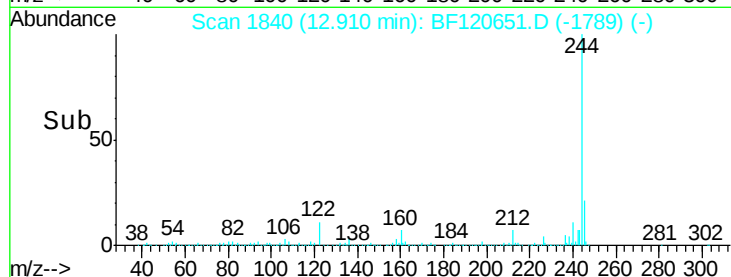
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.949 ng m

RT: 13.95 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BF120651.D

Acq: 18 Jun 2020 19:33

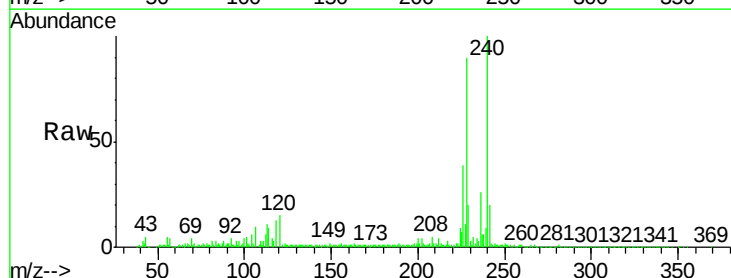
Tgt Ion:228 Resp: 182074

Ion Ratio Lower Upper

228 100

226 43.6 22.5 33.7#

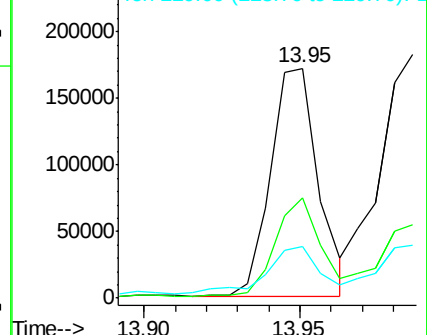
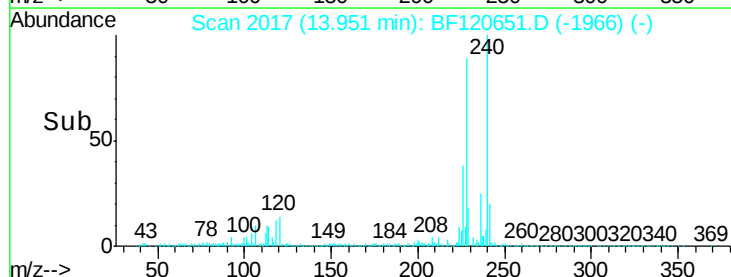
229 22.5 16.1 24.1

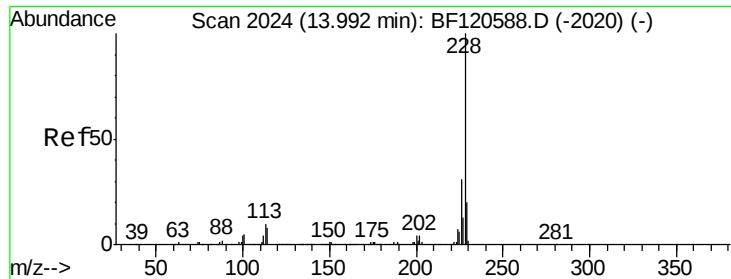


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





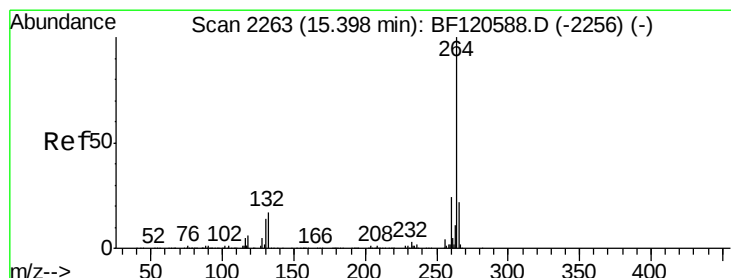
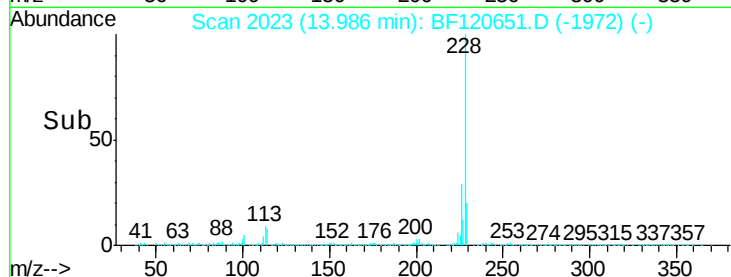
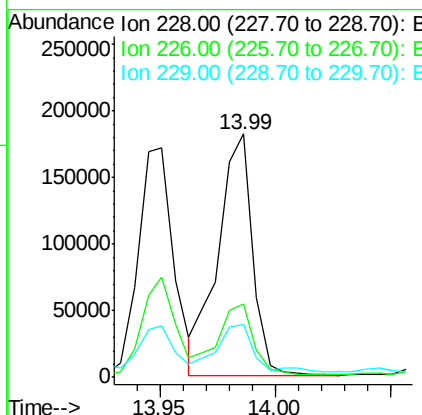
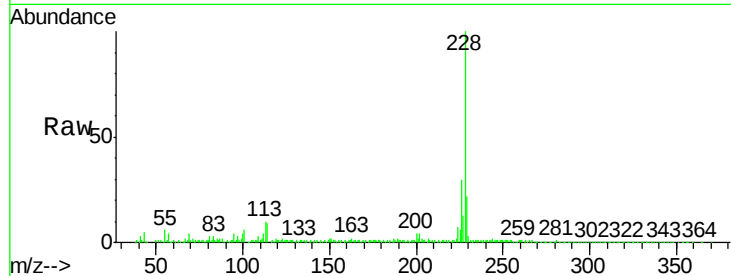
#83
 Chrysene
 Concen: 6.984 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Instrument :
 BNA_F
 ClientSampleID :
 SL-WC-01C

Tot Ion:	228	Resp:	187725
Ion Ratio		Lower	Upper
228	100		
226	30.2	24.9	37.3
229	21.9	16.1	24.1

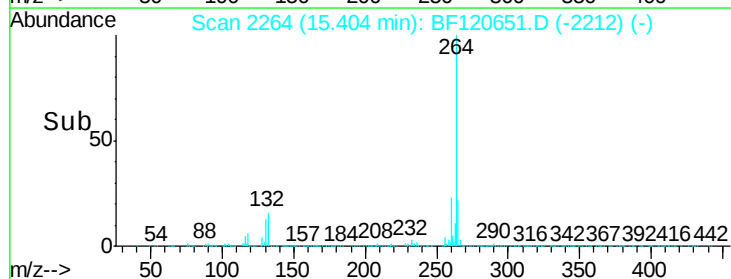
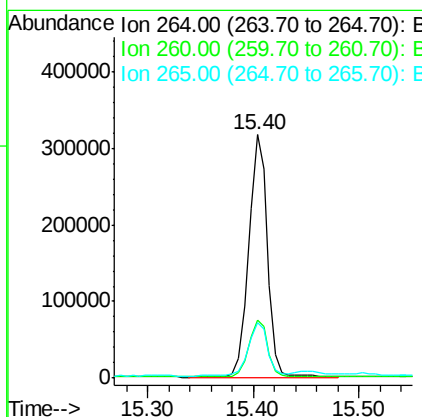
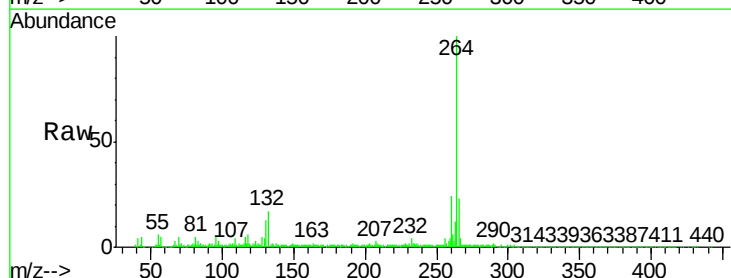
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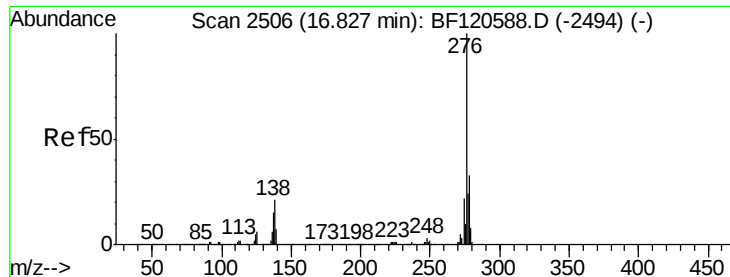
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Tgt Ion:	264	Resp:	388577
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.3	28.9
265	23.0	17.8	26.8





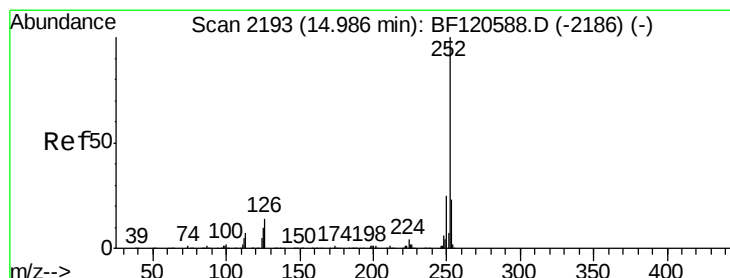
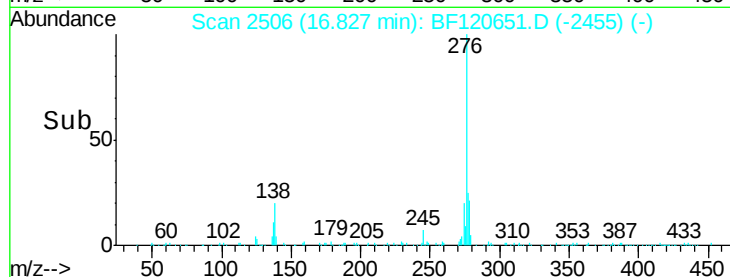
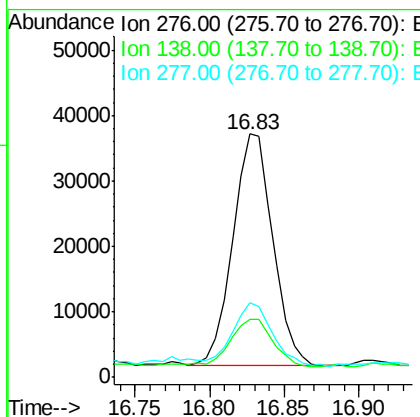
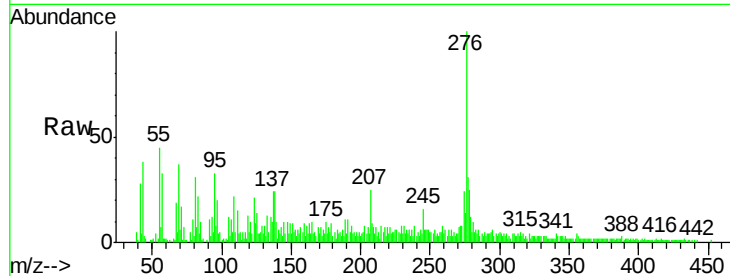
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.771 ng
RT: 16.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.9	28.3
277	27.6	20.2	30.2

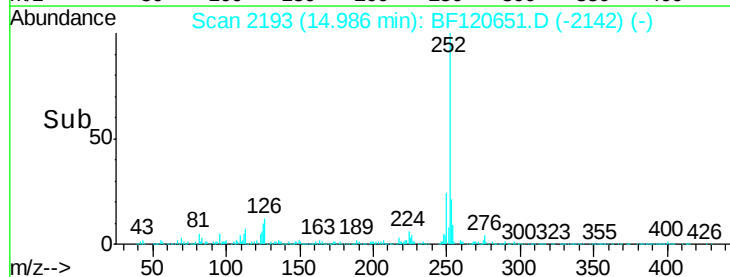
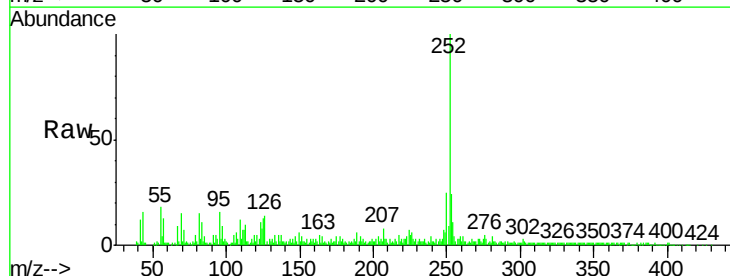
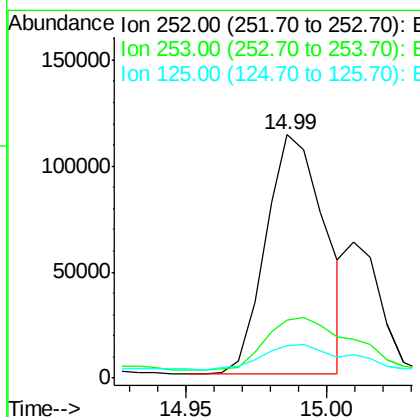
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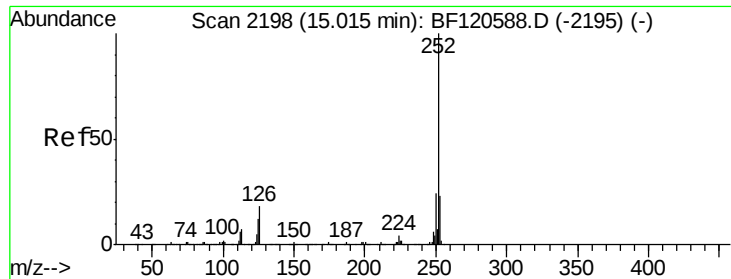
mohammad
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#88
Benzo(b)fluoranthene
Concen: 7.179 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	13.3	8.3	12.5





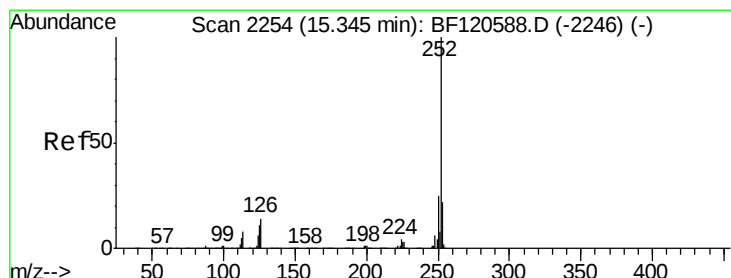
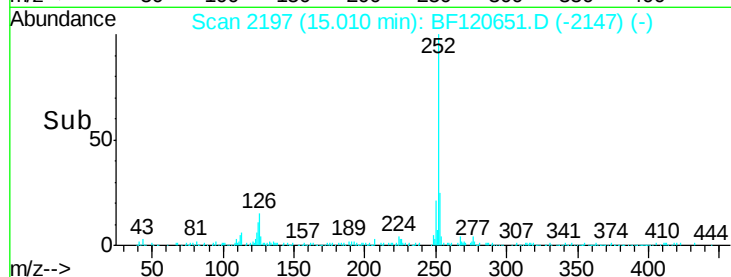
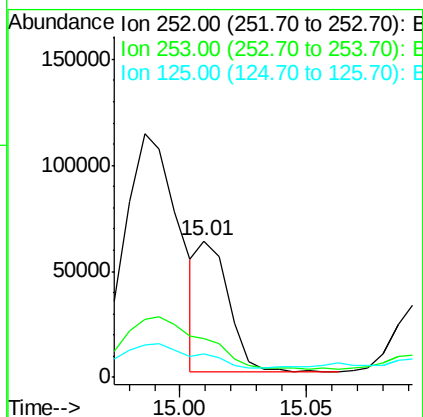
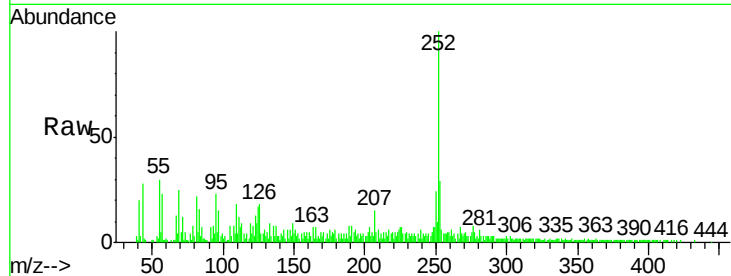
#89
Benzo(k)fluoranthene
Concen: 2.524 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Instrument :
BNA_F
ClientSampleId :
SL-WC-01C

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.0	27.0#
125	16.8	8.3	12.5#

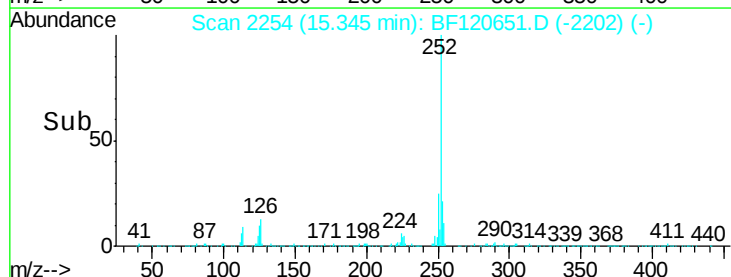
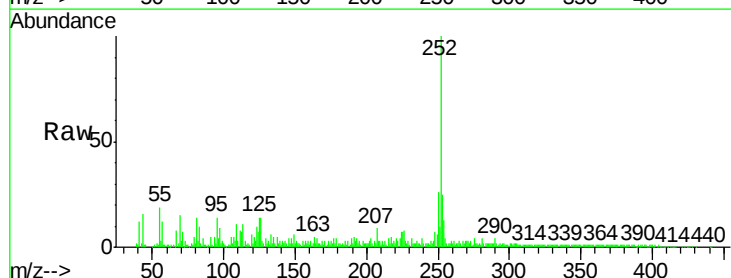
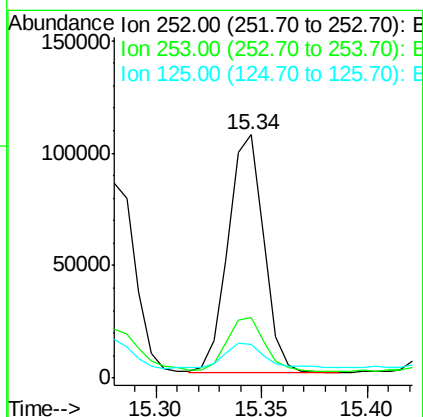
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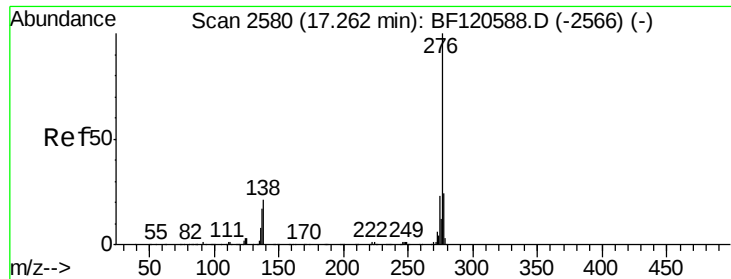
mohammad
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#90
Benzo(a)pyrene
Concen: 6.011 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120651.D
Acq: 18 Jun 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	14.0	8.6	12.8#





#92
 Benzo(a,h,i)perylene
 Concen: 4.057 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. 0.01 min
 Lab File: BF120651.D
 Acq: 18 Jun 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 SL-WC-01C

Tot Ion:	276	Resp:	77505
Ion Ratio	Lower	Upper	
276	100		
277	28.8	19.6	29.4
138	23.0	16.5	24.7

Manual Integrations
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