

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
 Data File : BF118765.D
 Acq On : 30 Jan 2020 21:36
 Operator : CG/JU
 Sample : L1310-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Manual Integrations
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Quant Time: Jan 30 23:08:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	254764	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	910310	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	459899	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	760828	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	666458	20.00	ng	-0.02
87) Perylene-d12	15.46	264	821637	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1427043	104.03	ng	-0.02
7) Phenol-d6	6.47	99	1740002	97.59	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1133950	69.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	526141	98.91	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	2038169	72.84	ng	-0.02
79) Terphenyl-d14	12.94	244	2115177	69.22	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.59	163	131355	4.384	ng	99
58) Fluorene	10.42	166	55676	2.036	ng	98
71) Phenanthrene	11.39	178	546361	14.885	ng	97
72) Anthracene	11.43	178	167745	4.619	ng	96
75) Fluoranthene	12.57	202	633228	16.357	ng	97
78) Pyrene	12.80	202	557617	12.324	ng	96
81) Benzo(a)anthracene	13.99	228	299280	7.465	ng	99
83) Chrysene	14.03	228	265196	6.902	ng	97
86) Indeno(1,2,3-cd)pyrene	16.91	276	129374	3.875	ng	97
88) Benzo(b)fluoranthene	15.03	252	308502m	5.973	ng	
89) Benzo(k)fluoranthene	15.06	252	121728m	2.544	ng	
90) Benzo(a)pyrene	15.40	252	241349	5.417	ng	99
92) Benzo(a,h,i)perylene	17.35	276	112877	2.950	ng	97

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

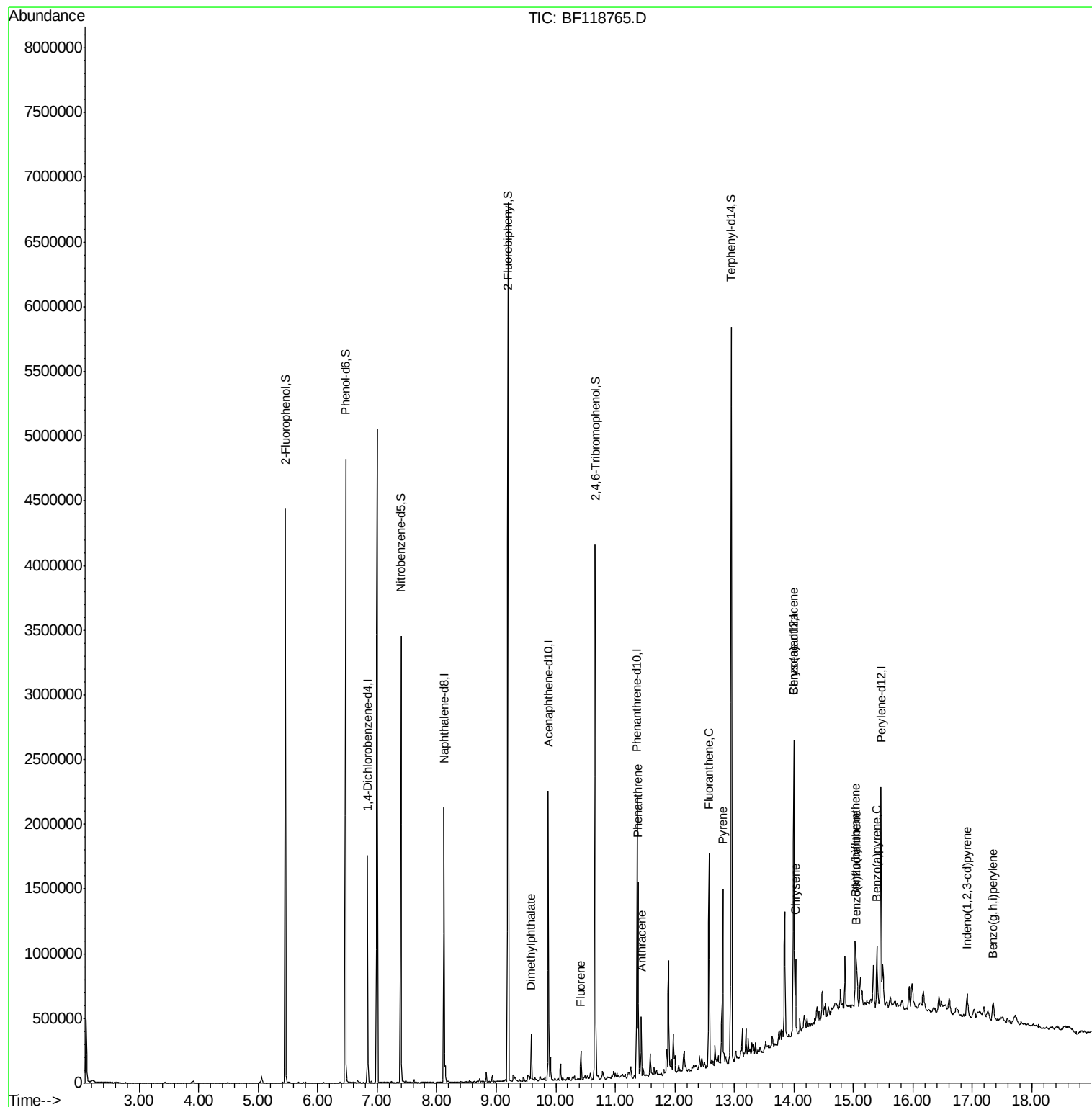
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\
Data File : BF118765.D
Acq On : 30 Jan 2020 21:36
Operator : CG/JU
Sample : L1310-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

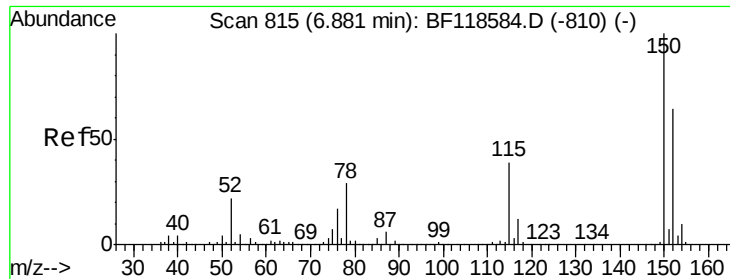
Instrument :
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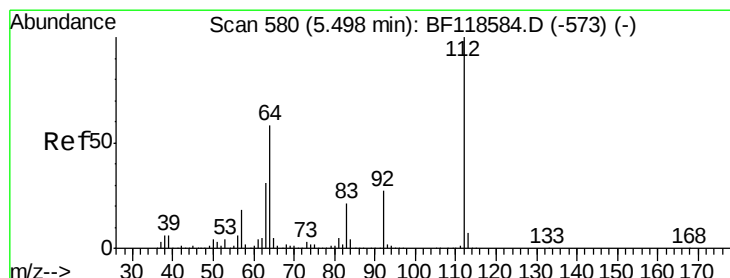
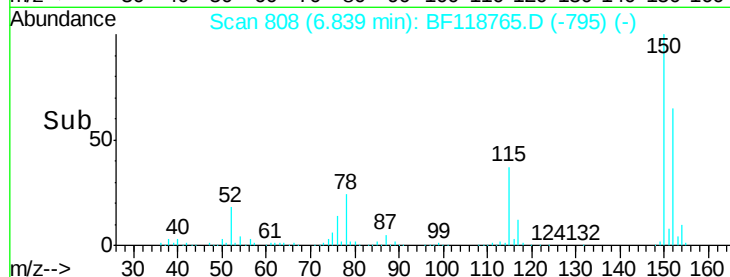
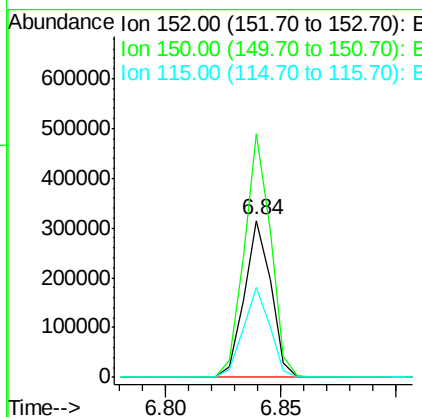
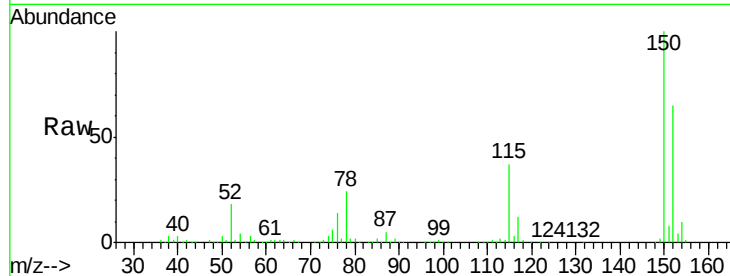
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.7	185.5
115	57.6	45.1	67.7

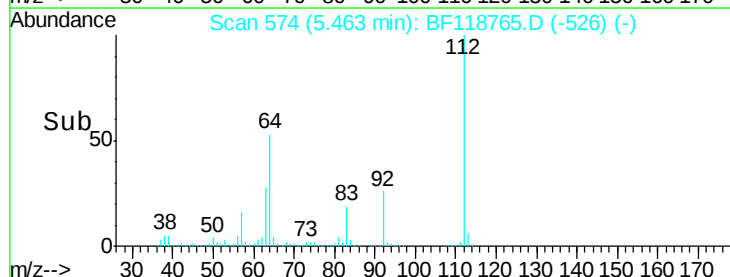
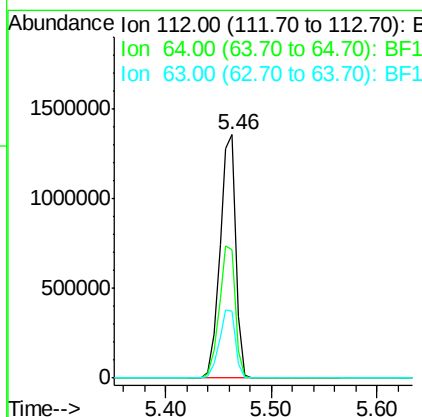
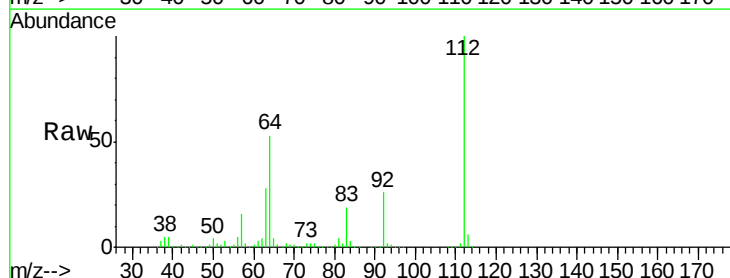
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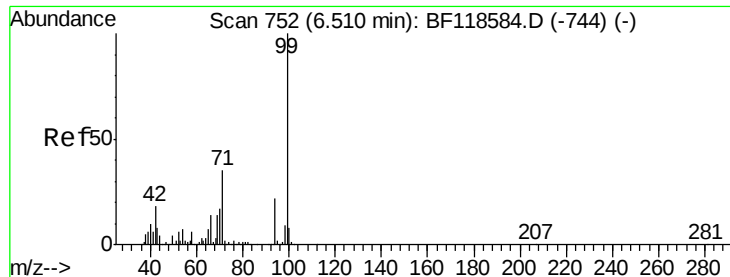
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#5
 2-Fluorophenol
 Concen: 104.033 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.4	63.6
63	27.5	21.7	32.5





#7

Phenol-d6

Concen: 97.594 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF118765.D

Acq: 30 Jan 2020 21:36

Instrument :

BNA_F

ClientSampleId :

CTY-SB-10102-0-80

Tot Ion: 99 Resp: 1740002

Ion Ratio Lower Upper

99 100

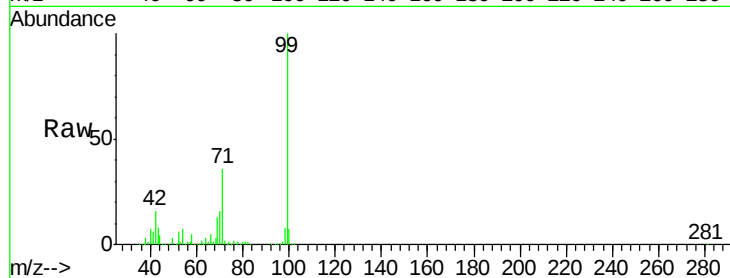
42 16.5 13.1 19.7

71 35.9 28.4 42.6

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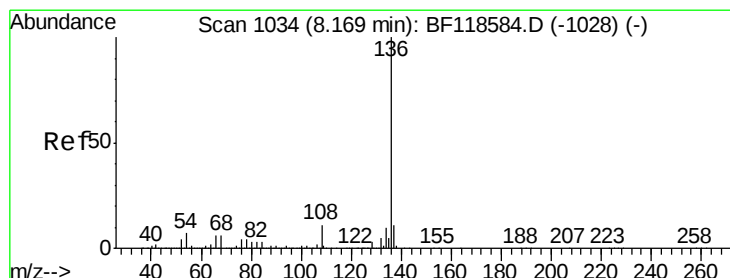
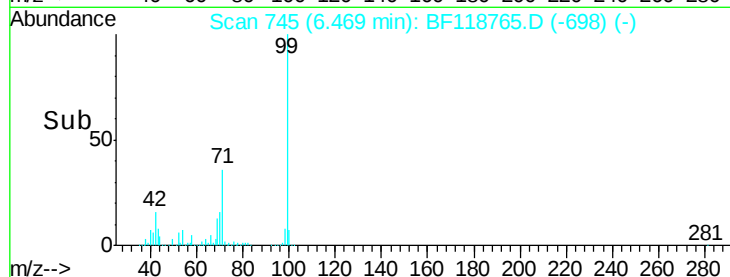
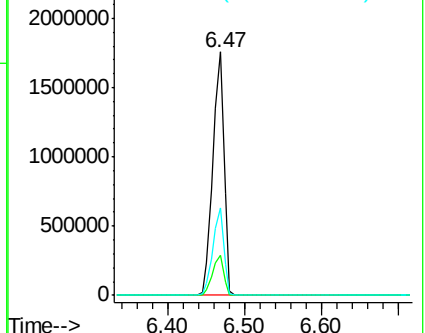
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.12 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF118765.D

Acq: 30 Jan 2020 21:36

Tgt Ion: 136 Resp: 910310

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.6 5.1 7.7

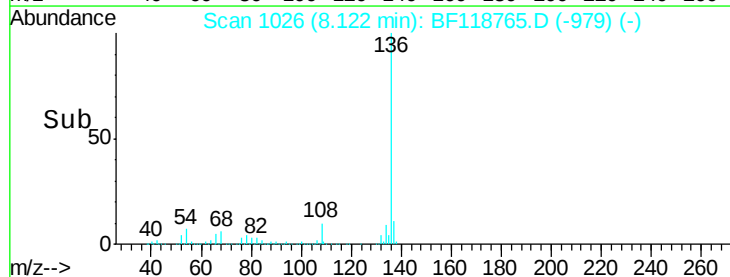
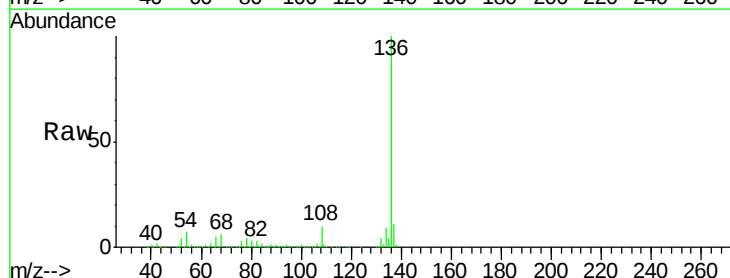
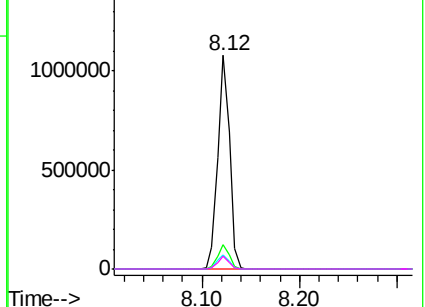
68 5.9 4.3 6.5

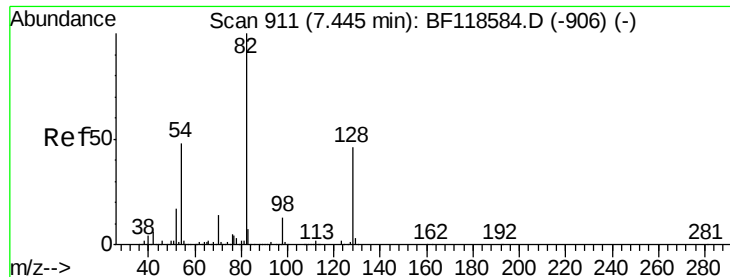
Abundance Ion 136.00 (135.70 to 136.70): E

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





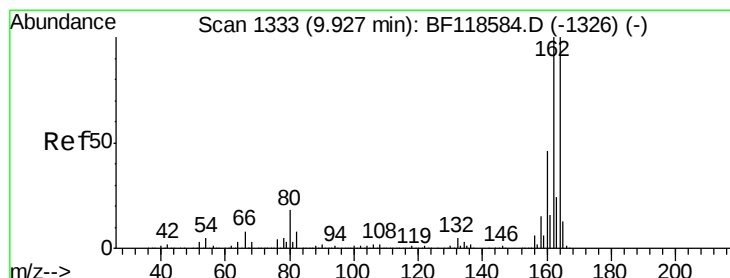
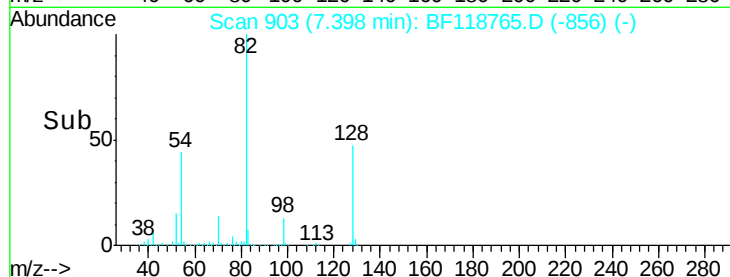
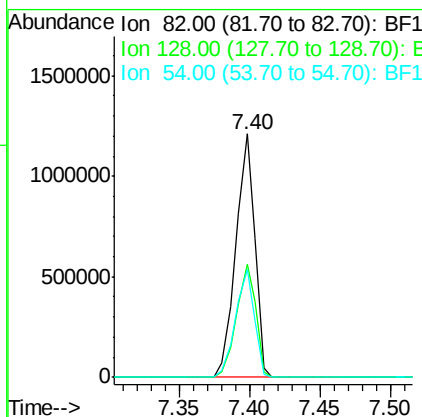
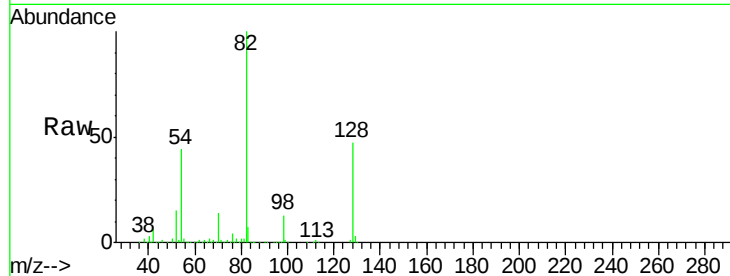
#23
 Nitrobenzene-d5
 Concen: 69.676 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Tot Ion	82	Resp	1133950
Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.2	57.2
54	44.2	36.1	54.1

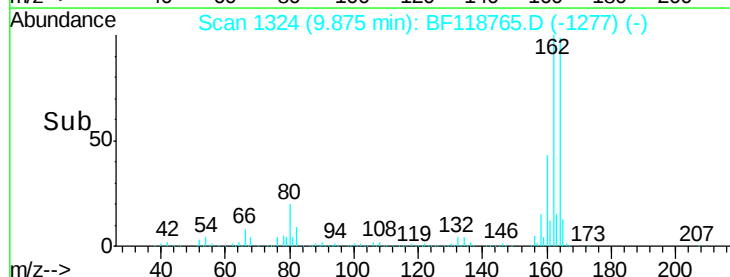
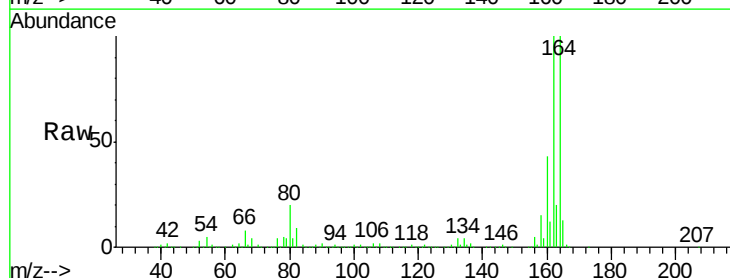
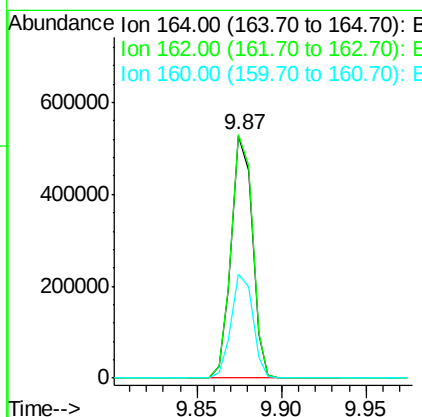
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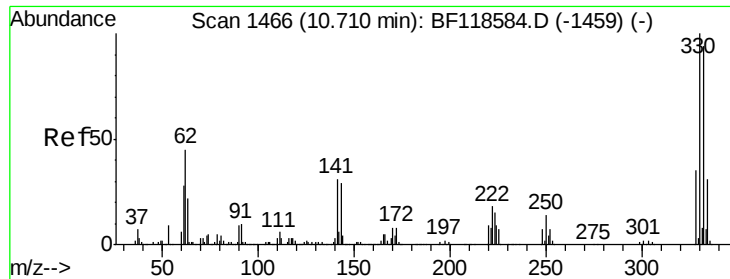
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Tgt Ion	164	Resp	459899
Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.8	121.2
160	42.9	35.4	53.0





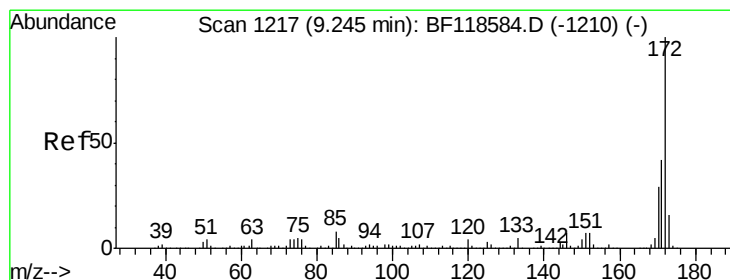
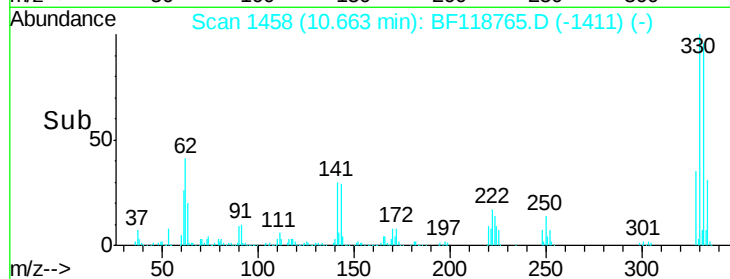
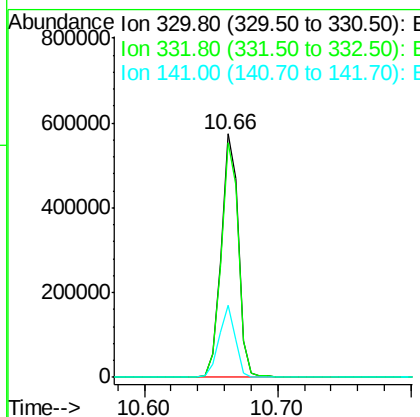
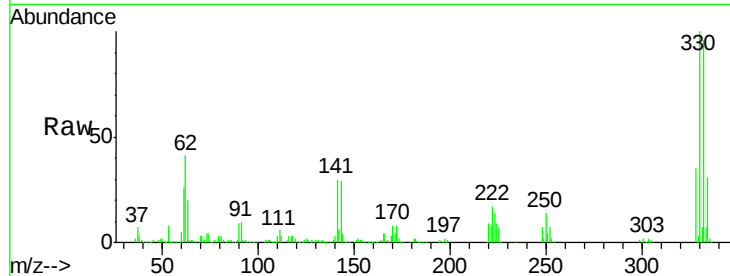
#42
 2,4,6-Tribromophenol
 Concen: 98.911 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Tot Ion	Ratio	Resp	Lower	Upper
330	100	526141		
332	97.0		77.6	116.4
141	28.1		22.2	33.2

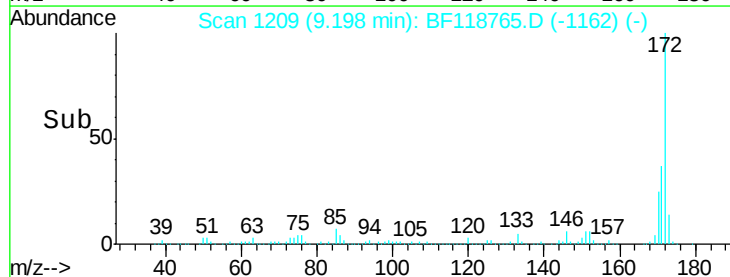
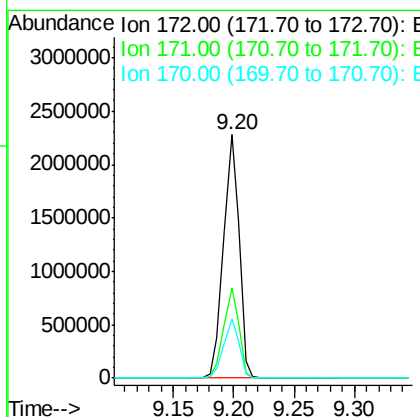
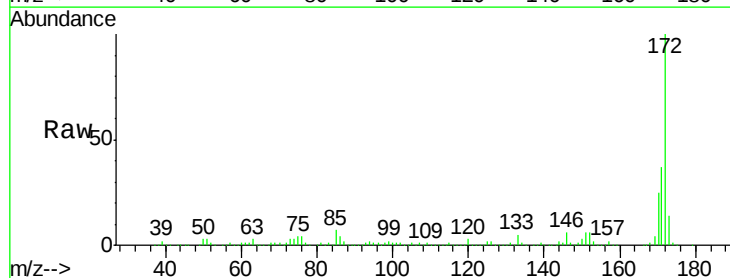
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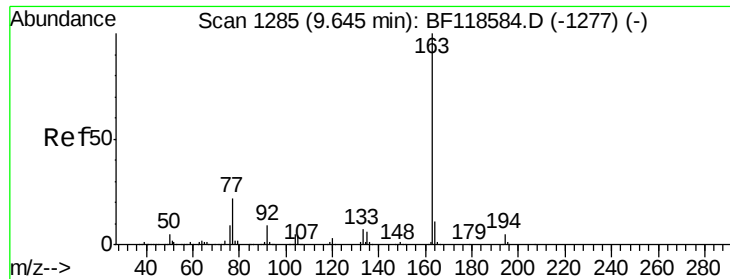
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#45
 2-Fluorobiphenyl
 Concen: 72.841 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2038169		
171	36.9		31.0	46.4
170	24.5		20.7	31.1





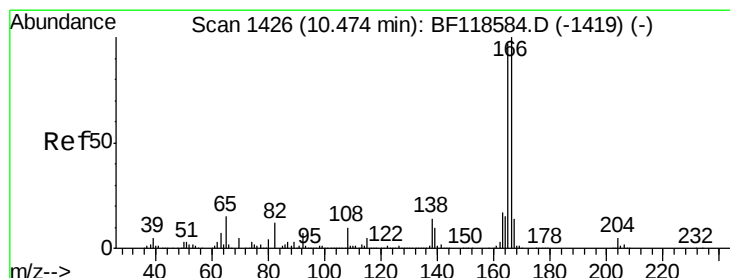
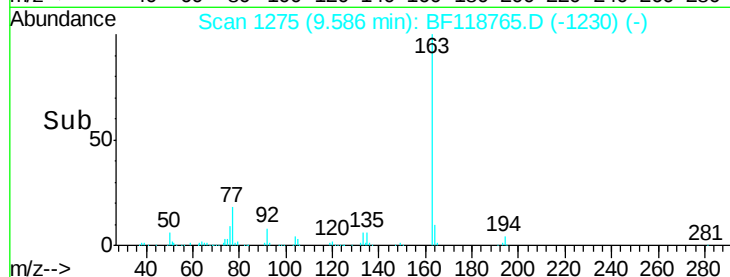
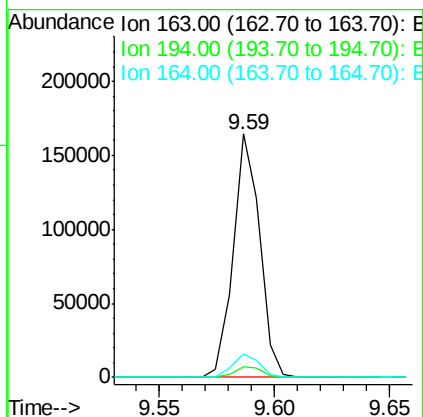
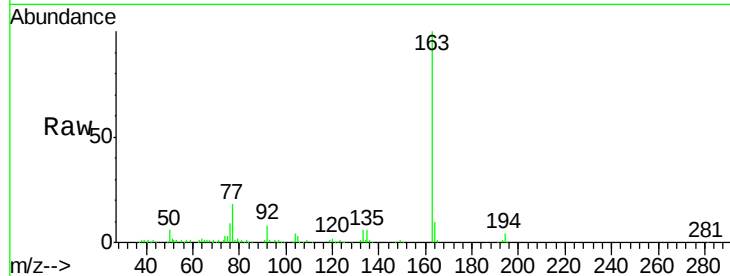
#50
Dimethylphthalate
Concen: 4.384 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.04 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

Tot Ion	Ratio	Resp	Lower	Upper
163	100	131355		
194	4.3	3.7	5.5	
164	9.6	8.2	12.2	

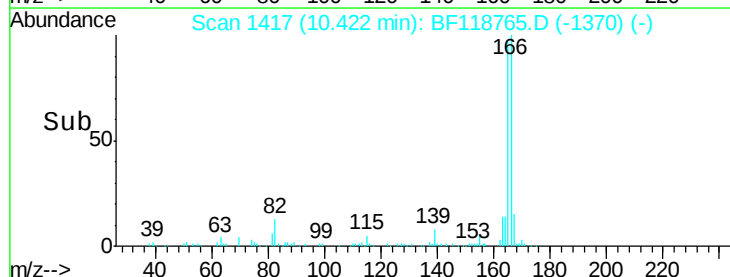
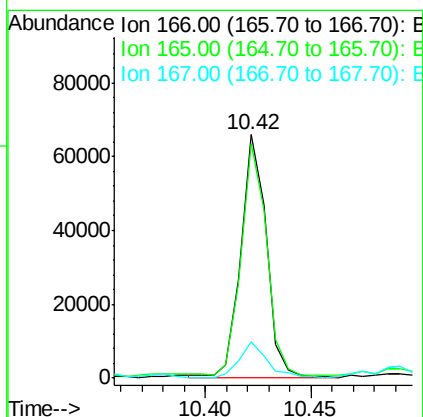
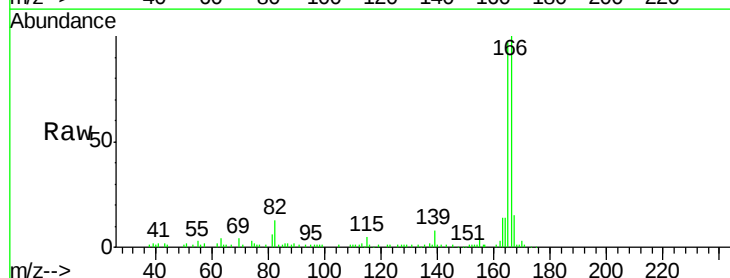
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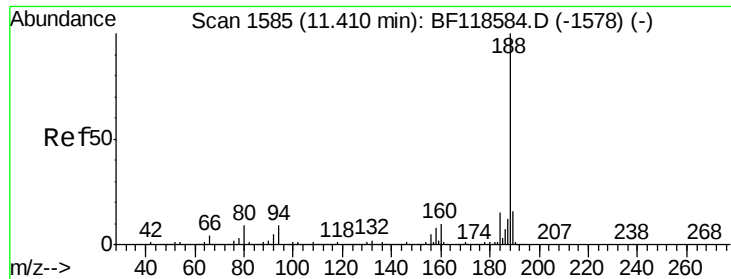
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#58
Fluorene
Concen: 2.036 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	55676		
165	96.6	78.6	118.0	
167	14.8	11.4	17.2	





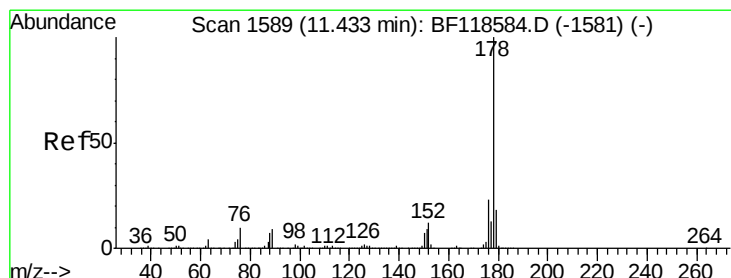
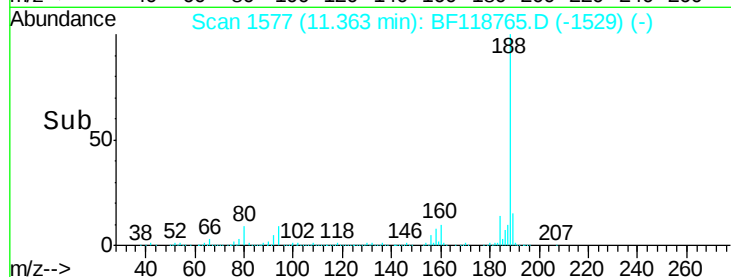
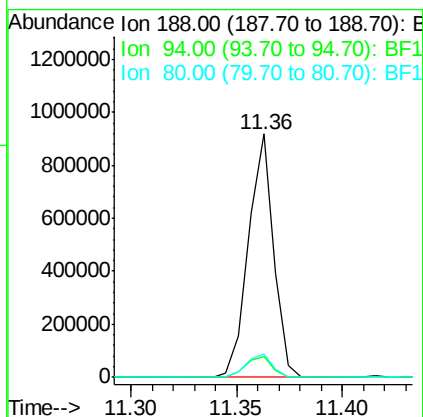
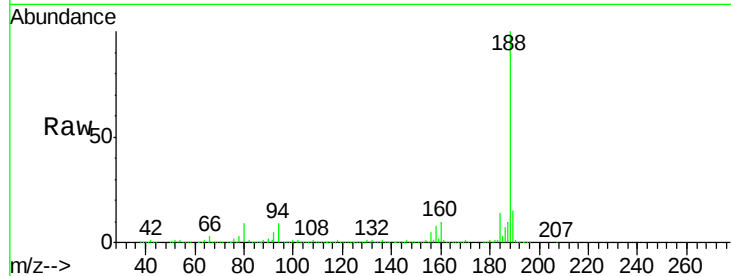
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	7.4	11.2
80	9.5	7.8	11.8

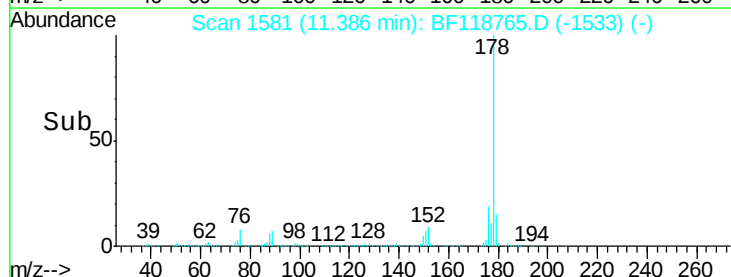
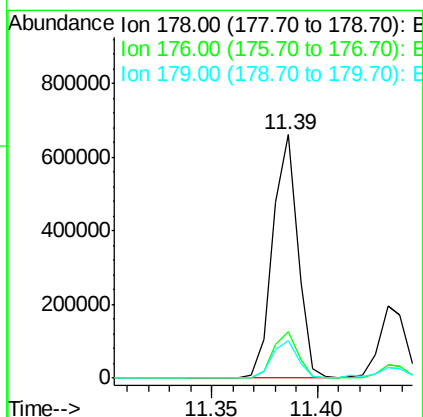
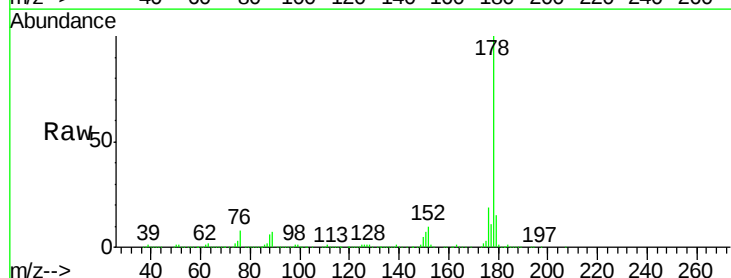
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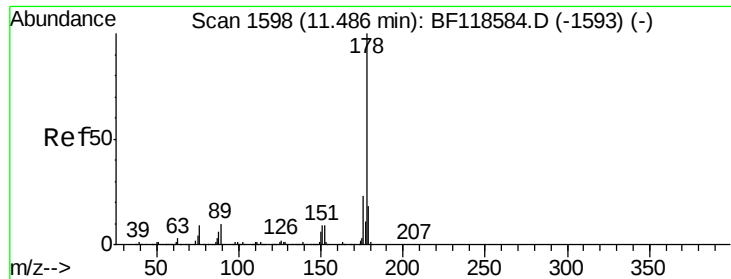
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#71
Phenanthrene
Concen: 14.885 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.5	24.7
179	15.4	13.3	19.9





#72

Anthracene

Concen: 4.619 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF118765.D

Acq: 30 Jan 2020 21:36

Instrument :

BNA_F

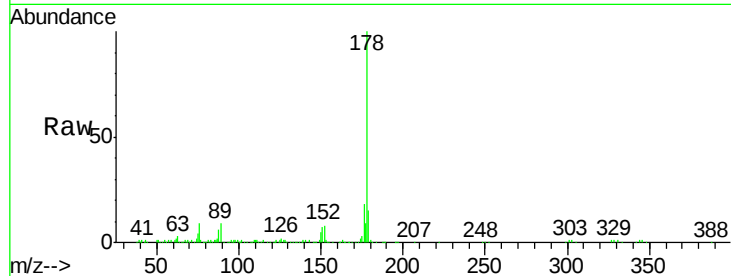
ClientSampleId :

CTY-SB-10102-0-80

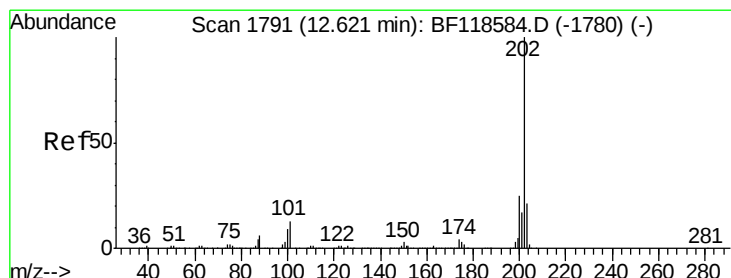
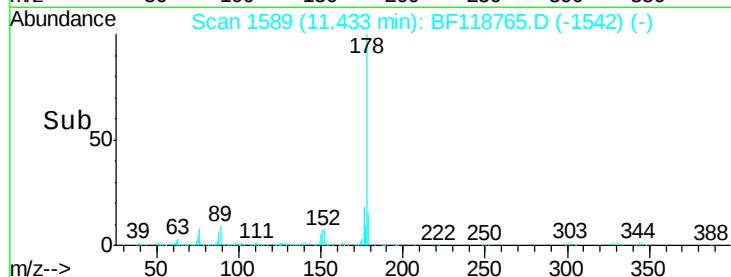
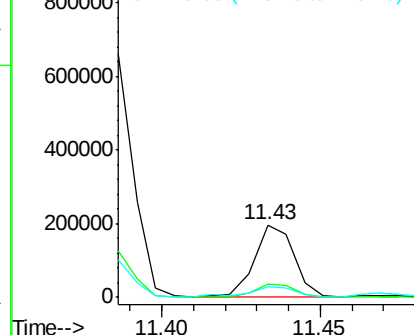
Tot Ion:	178	Resp:	167745
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.8
179	15.2	13.3	19.9

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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: 16.357 ng

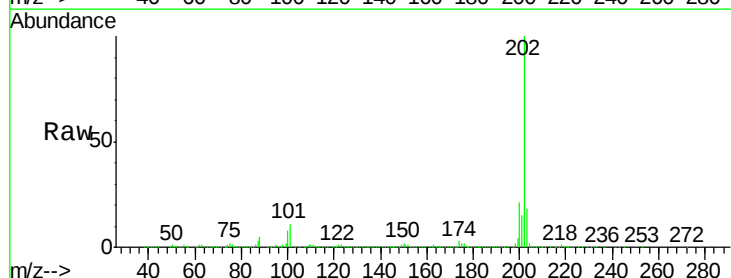
RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

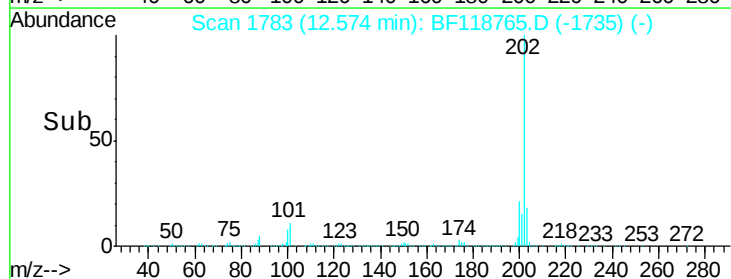
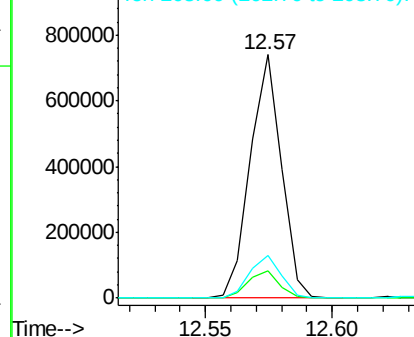
Lab File: BF118765.D

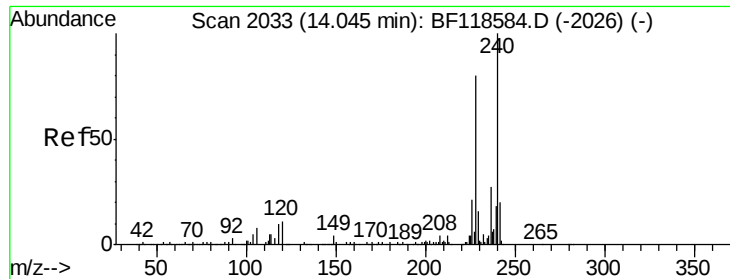
Acq: 30 Jan 2020 21:36

Tgt Ion:	202	Resp:	633228
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	32.1
203	17.8	0.0	38.9



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





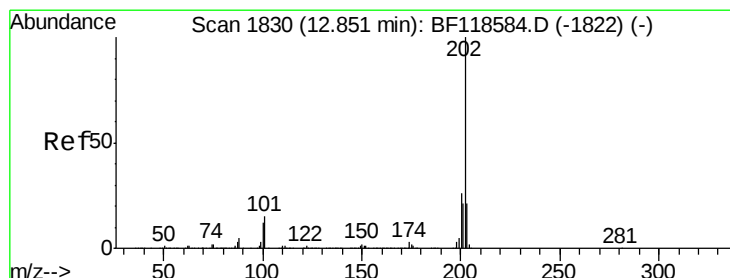
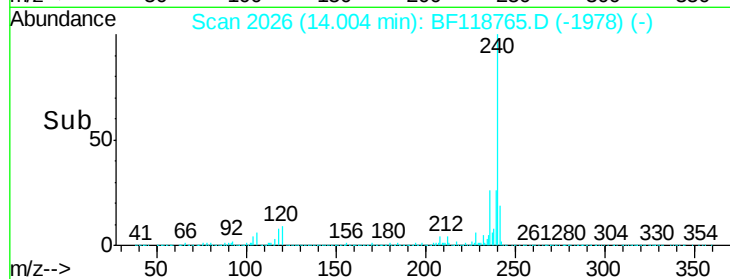
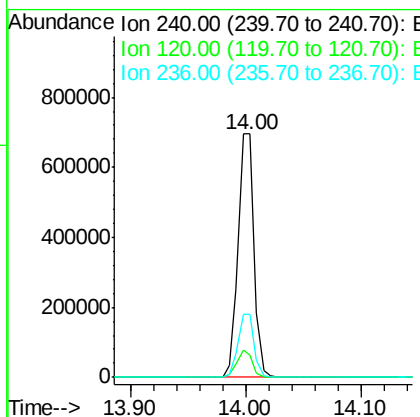
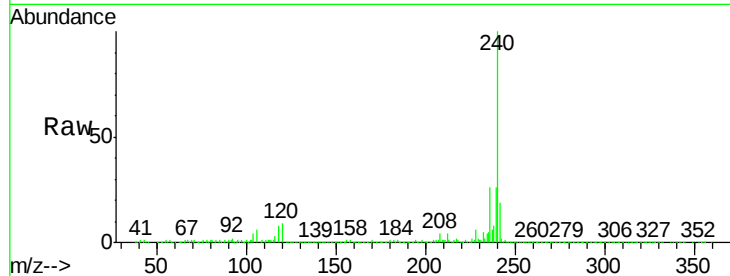
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.6	11.4
236	25.9	21.0	31.4

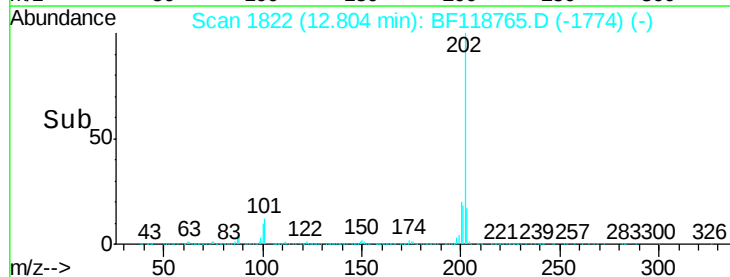
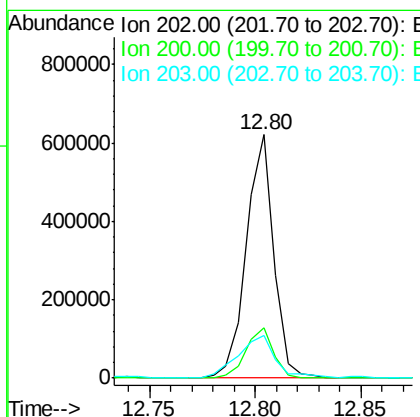
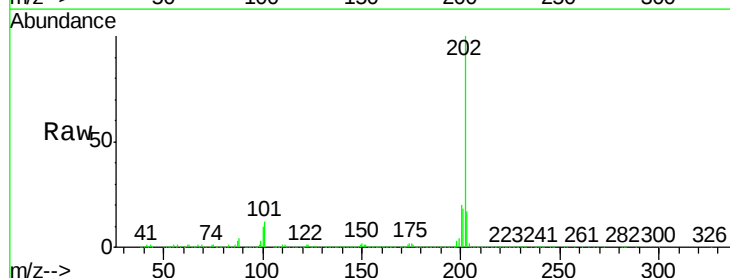
Manual Integrations
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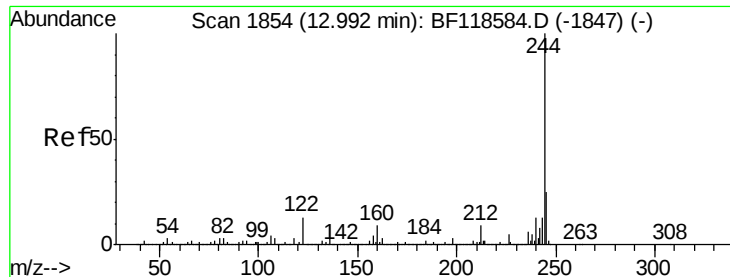
mohammad
 2/3/2020 7:57:22 AM



#78
 Pyrene
 Concen: 12.324 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	18.1	27.1
203	17.3	15.2	22.8





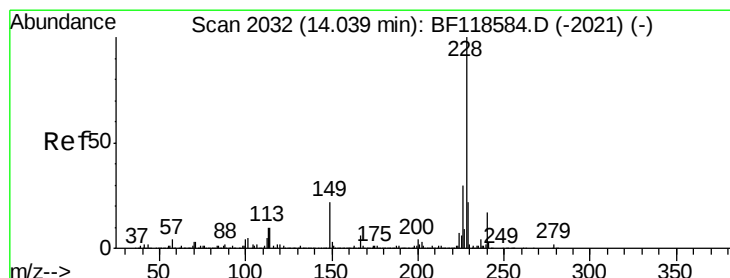
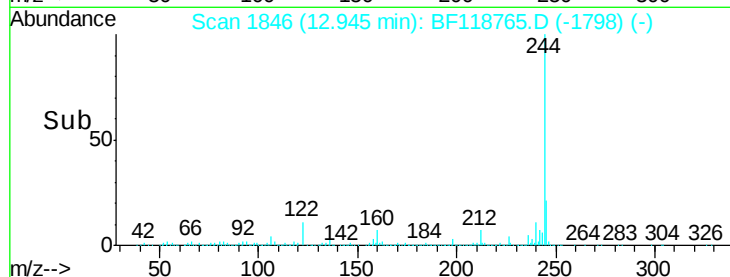
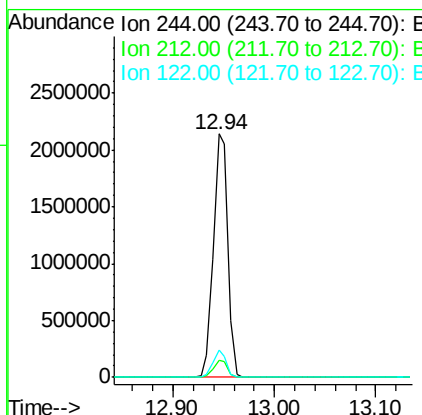
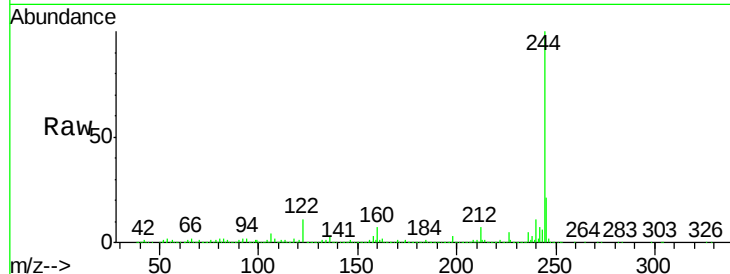
#79
 Terphenyl-d14
 Concen: 69.223 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	11.3	9.2	13.8

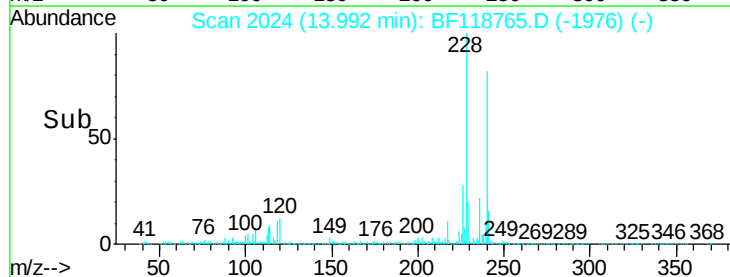
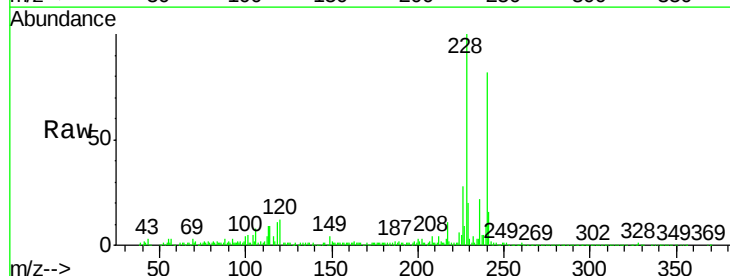
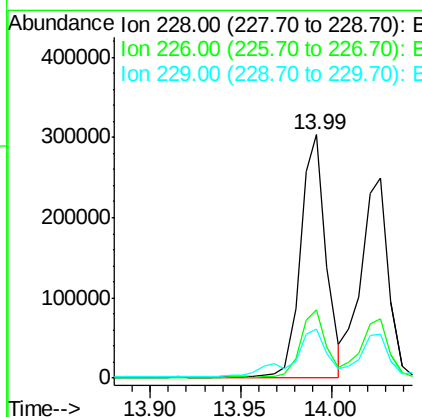
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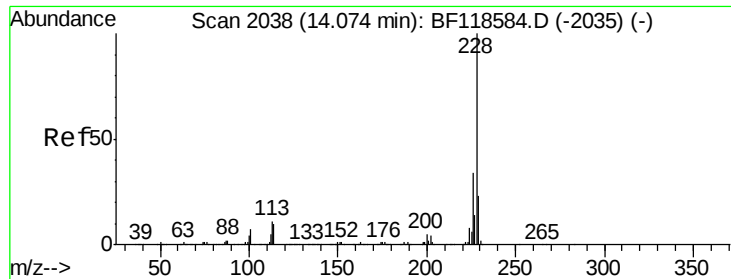
mohammad
 2/3/2020 7:57:22 AM



#81
 Benzo(a)anthracene
 Concen: 7.465 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	20.3	16.6	25.0





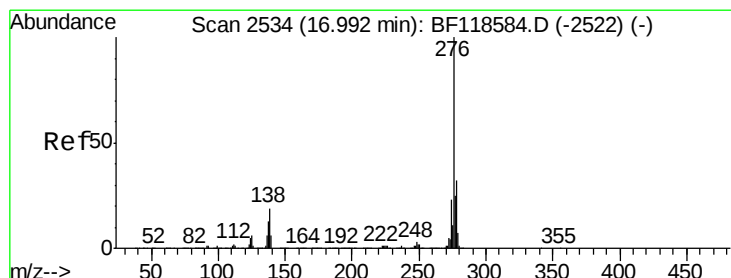
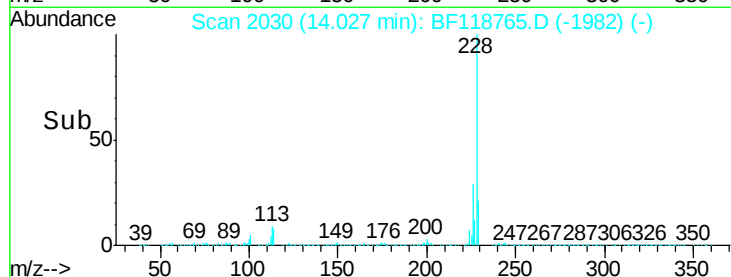
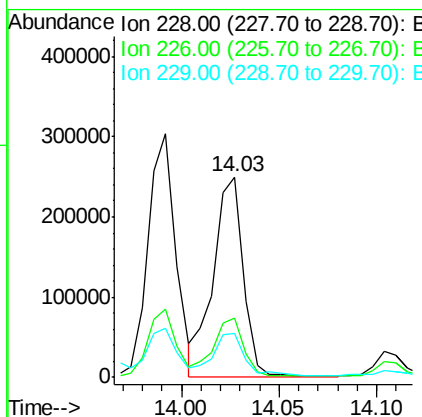
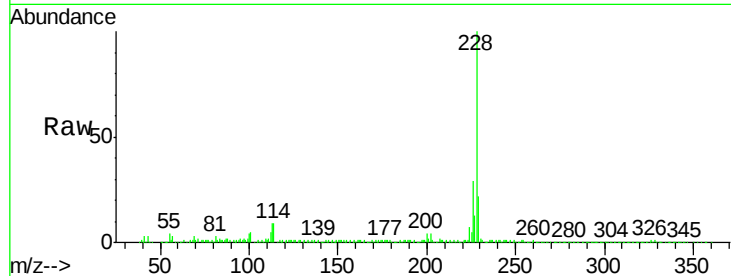
#83
Chrysene
Concen: 6.902 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.6	38.4
229	21.9	17.1	25.7

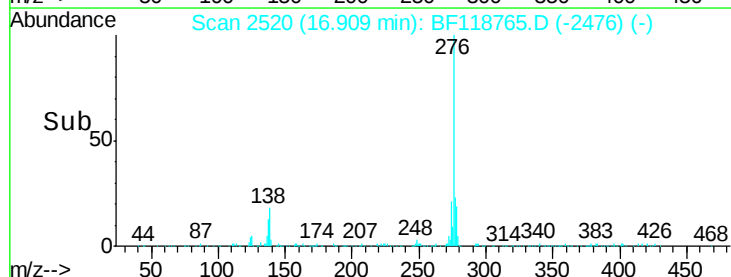
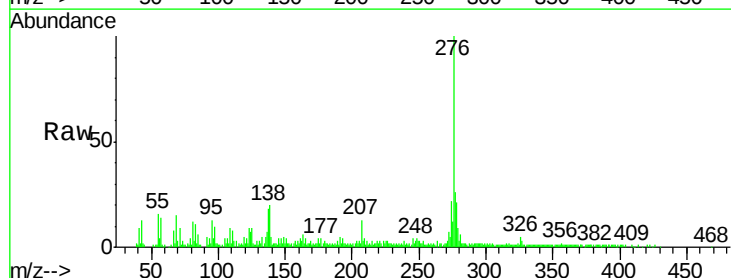
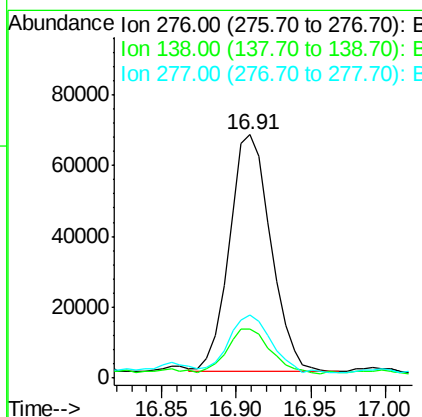
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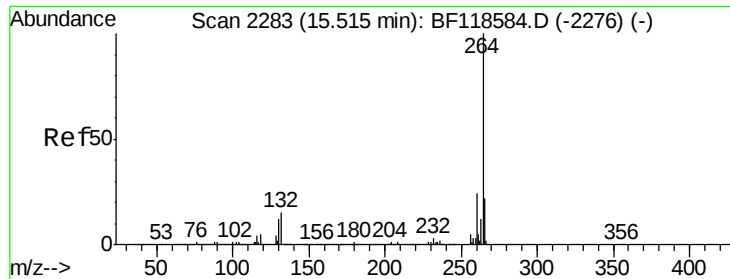
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.875 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.2	27.4
277	24.9	20.4	30.6





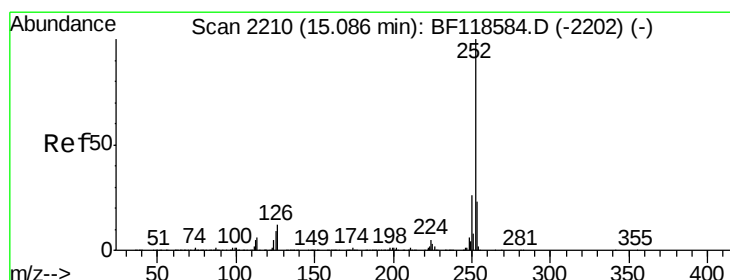
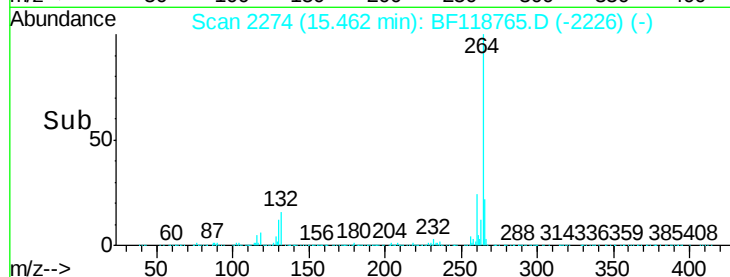
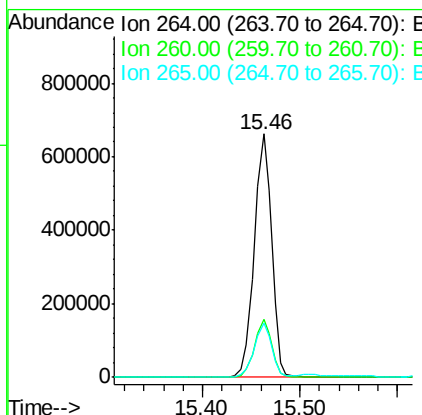
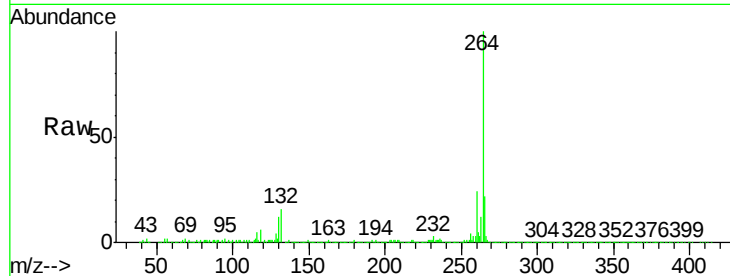
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.5	17.0	25.6

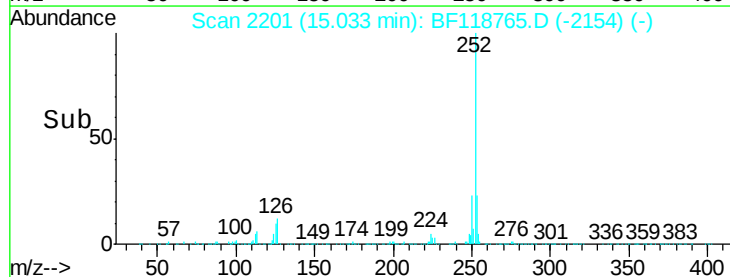
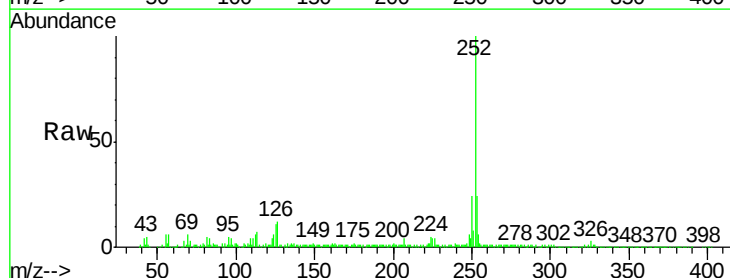
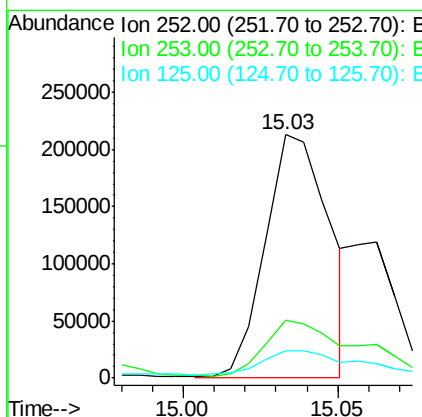
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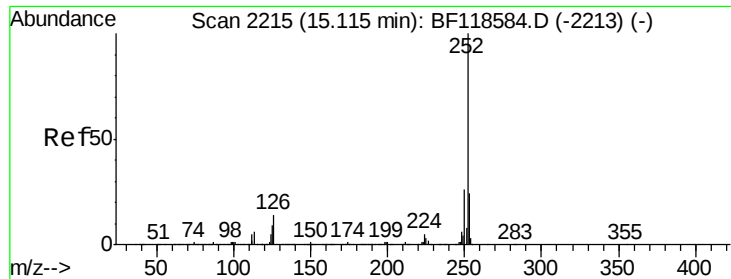
mohammad
2/3/2020 7:57:22 AM



#88
Benzo(b)fluoranthene
Concen: 5.973 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	11.1	7.7	11.5





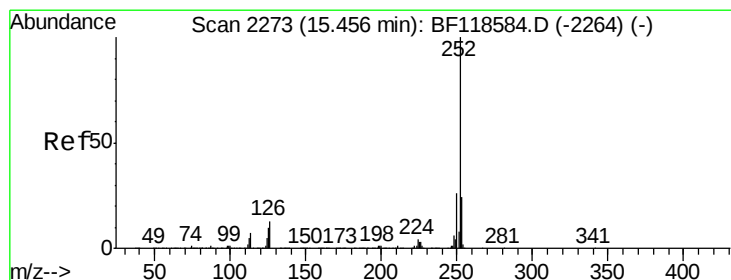
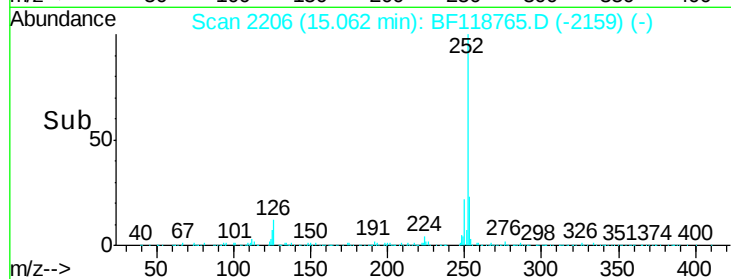
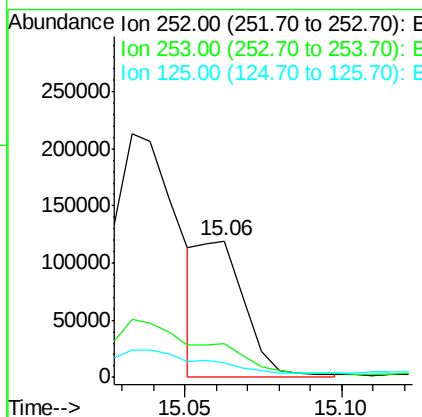
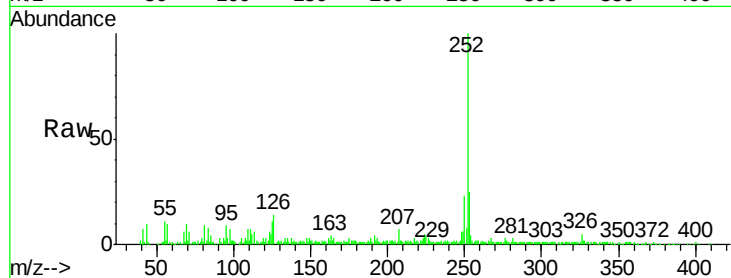
#89
Benzo(k)fluoranthene
Concen: 2.544 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Instrument :
BNA_F
ClientSampleId :
CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	10.6	8.1	12.1

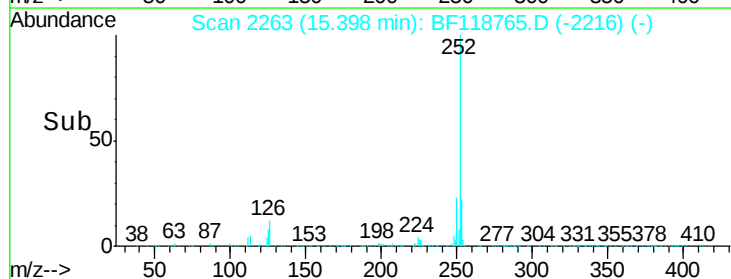
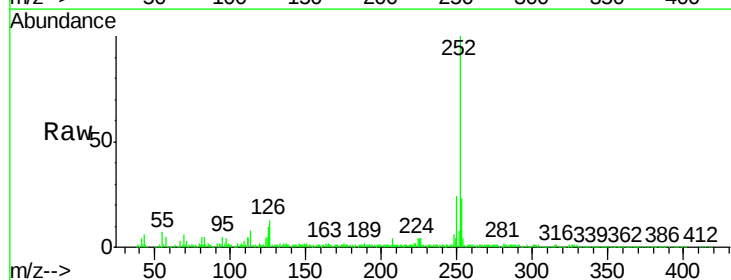
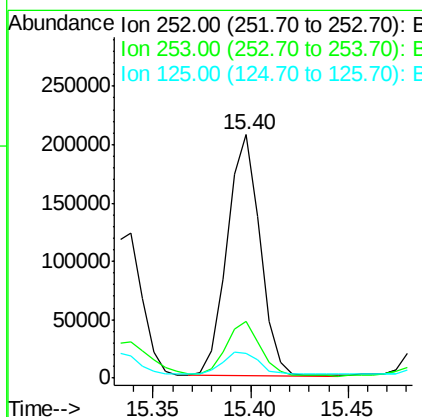
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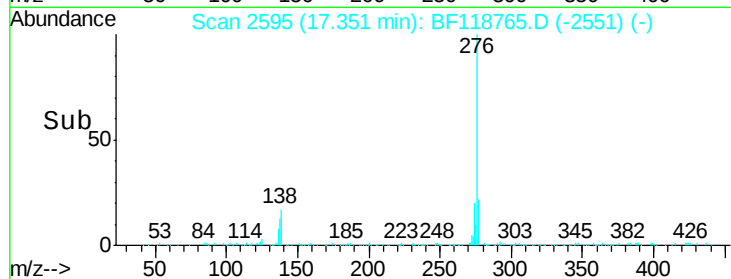
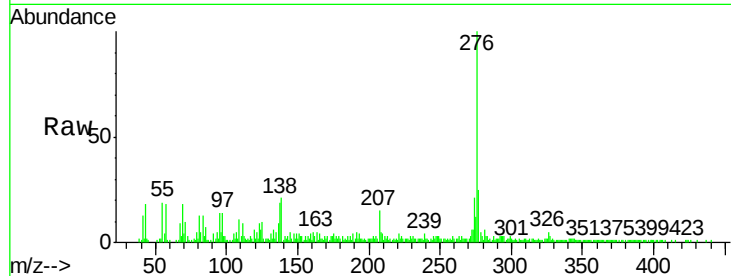
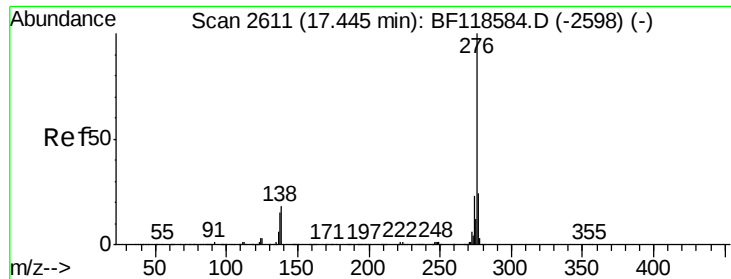
mohammad
2/3/2020 7:57:22 AM



#90
Benzo(a)pyrene
Concen: 5.417 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.02 min
Lab File: BF118765.D
Acq: 30 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	10.2	8.3	12.5





#92
 Benzo(a,h,i)perylene
 Concen: 2.950 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.04 min
 Lab File: BF118765.D
 Acq: 30 Jan 2020 21:36

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-10102-0-80

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.6
138	21.4	15.4	23.2

Manual Integrations
 APPROVED

mohammad
 2/3/2020 7:57:22 AM

