

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121783.D
 Acq On : 1 Oct 2020 23:22
 Operator : JU/CG
 Sample : L4193-05DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)DL

Manual Integrations
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 10/2/2020 12:14:03 PM

Quant Time: Oct 02 01:39:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	131025	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	470455	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	212307	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	353074	20.00	ng	0.00
76) Chrysene-d12	13.94	240	318069	20.00	ng	0.00
86) Perylene-d12	15.38	264	267467	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	323471	36.69	ng	0.00
7) Phenol-d6	6.41	99	407861	35.26	ng	0.00
23) Nitrobenzene-d5	7.33	82	250347	28.57	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	79866	30.27	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	452075	32.25	ng	0.00
79) Terphenyl-d14	12.88	244	399236	25.43	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.08	128	116351	4.685	ng	99
49) Acenaphthylene	9.67	152	49381	2.400	ng	98
50) Dimethylphthalate	9.53	163	37751	2.453	ng	99
52) Acenaphthene	9.85	154	48638	3.742	ng	97
55) Dibenzofuran	10.02	168	41509	2.268	ng	98
58) Fluorene	10.36	166	62486	4.464	ng	100
71) Phenanthrene	11.32	178	687115	35.719	ng	99
72) Anthracene	11.37	178	231077	11.640	ng	97
73) Carbazole	11.53	167	58855	3.285	ng	98
75) Fluoranthene	12.52	202	1054271	51.340	ng	98
78) Pyrene	12.75	202	926184	39.855	ng	99
81) Benzo(a)anthracene	13.93	228	569787	28.316	ng	97
83) Chrysene	13.96	228	469071	23.020	ng	97
87) Indeno(1,2,3-cd)pyrene	16.80	276	190734	10.950	ng	94
88) Benzo(b)fluoranthene	14.97	252	568359m	31.787	ng	
89) Benzo(k)fluoranthene	14.99	252	149748m	9.146	ng	
90) Benzo(a)pyrene	15.32	252	367564	24.183	ng	97
91) Dibenzo(a,h)anthracene	16.80	278	52613	3.629	ng	# 85
92) Benzo(a,h,i)perylene	17.23	276	166678	11.695	ng	99

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

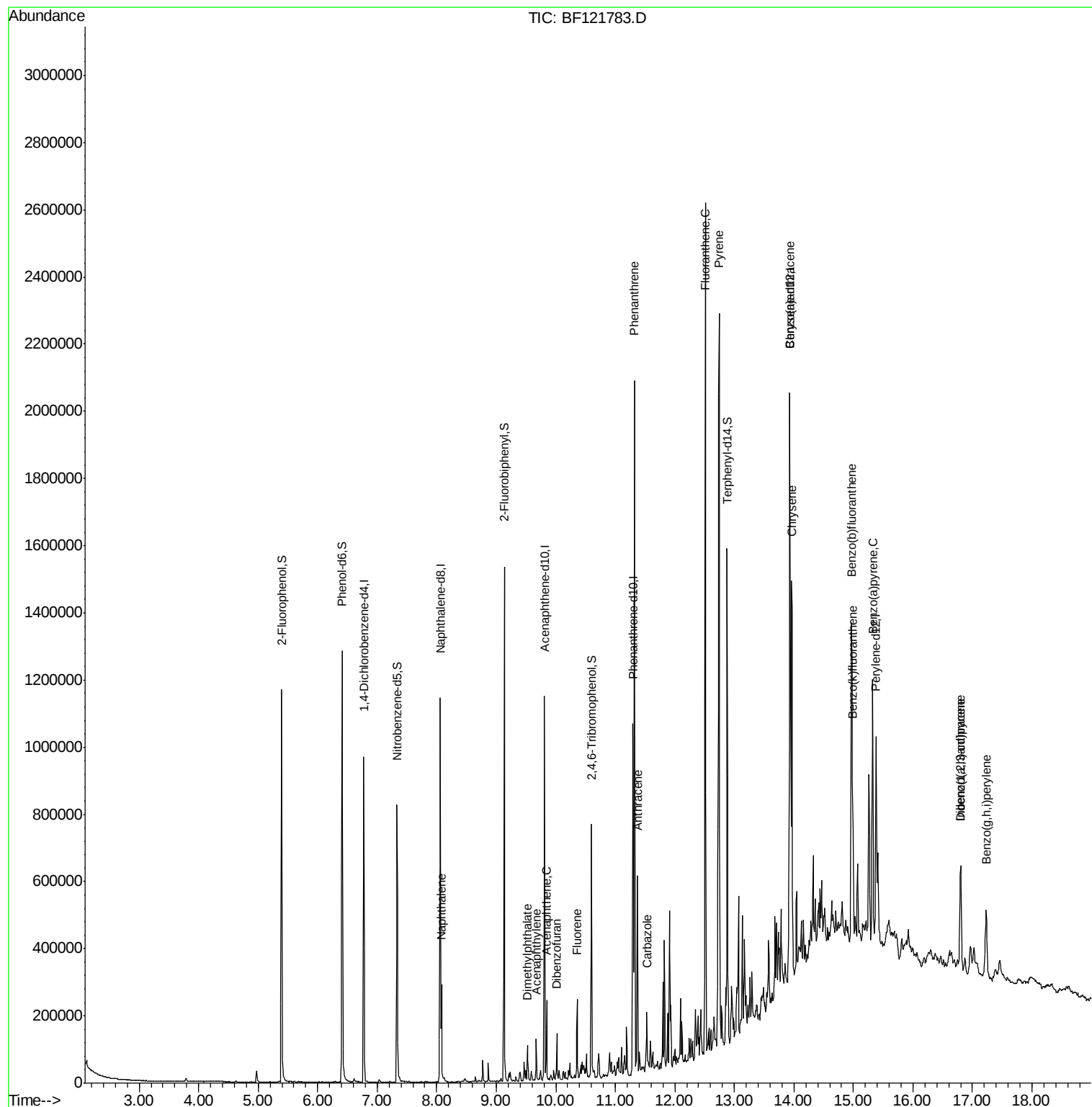
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121783.D
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Operator : JU/CG
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ALS Vial : 21 Sample Multiplier: 1

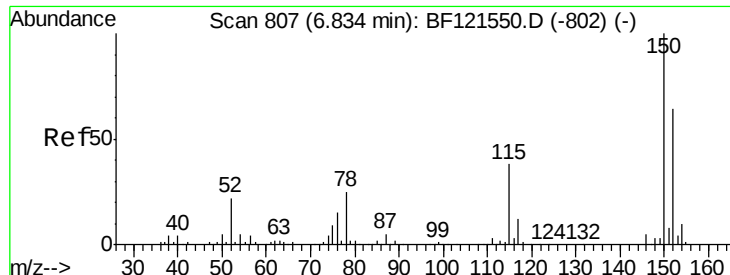
Instrument :
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B-14(9-11)DL

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Quant Time: Oct 02 01:39:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

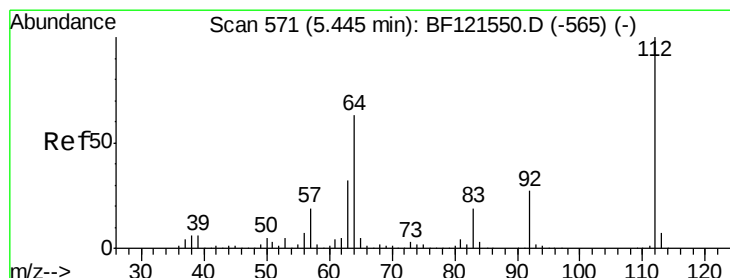
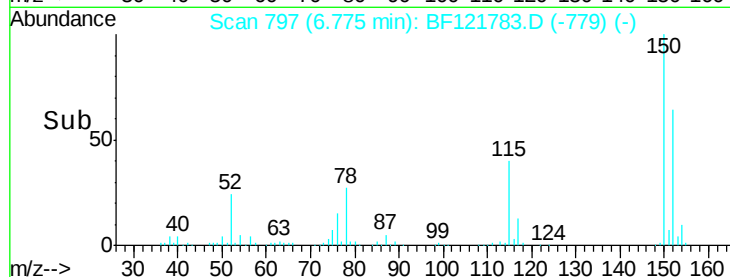
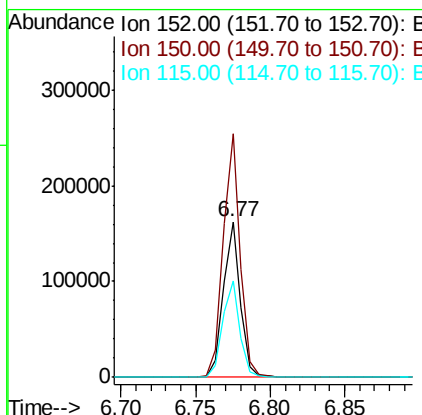
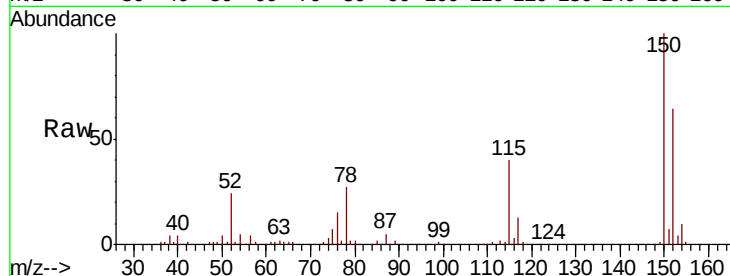
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.3	187.9
115	62.2	51.9	77.9

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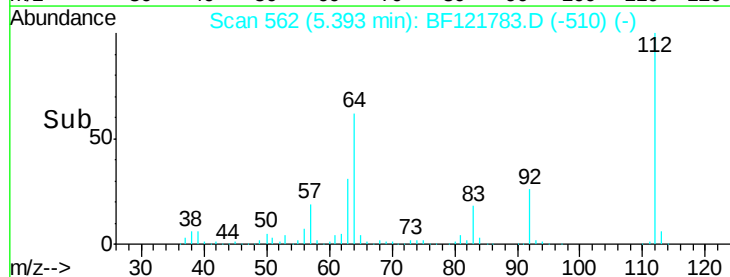
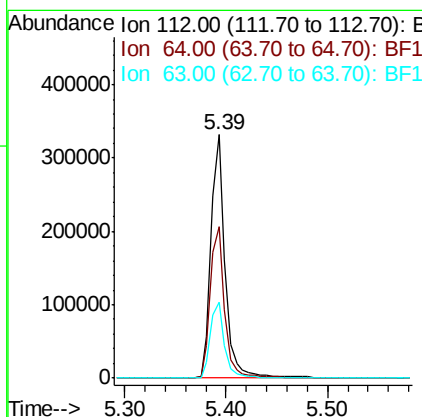
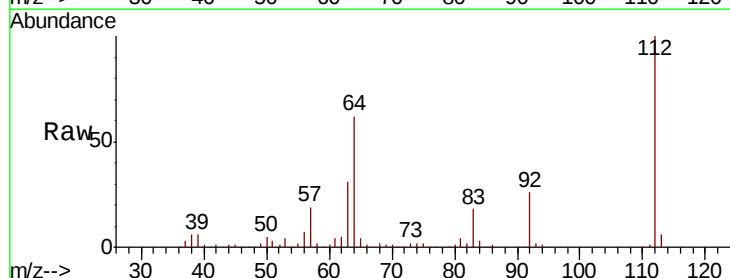
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#5

2-Fluorophenol
Concen: 36.689 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.4	75.6
63	31.1	25.8	38.6





#7

Phenol-d6

Concen: 35.261 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Instrument :

BNA_F

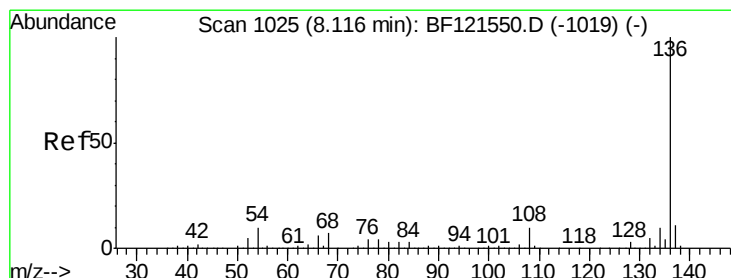
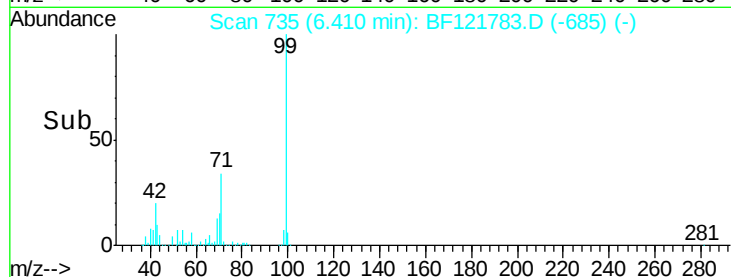
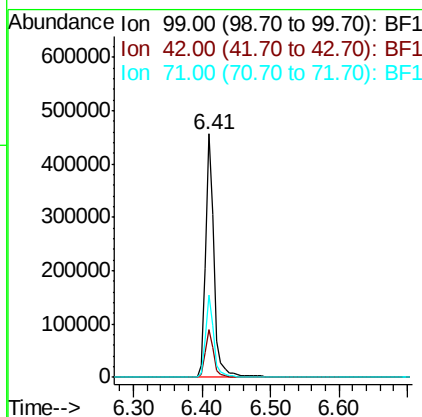
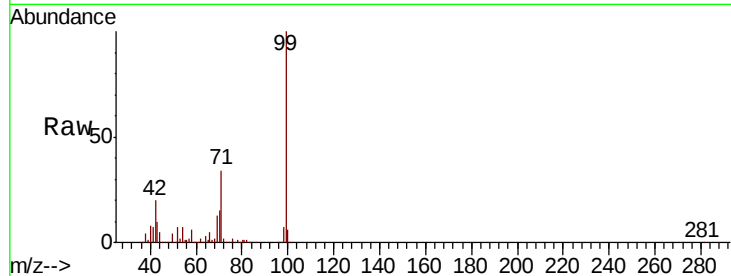
ClientSampleId :

B-14(9-11)DL

Tot Ion:	99	Resp:	407861
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.9	23.9
71	33.7	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

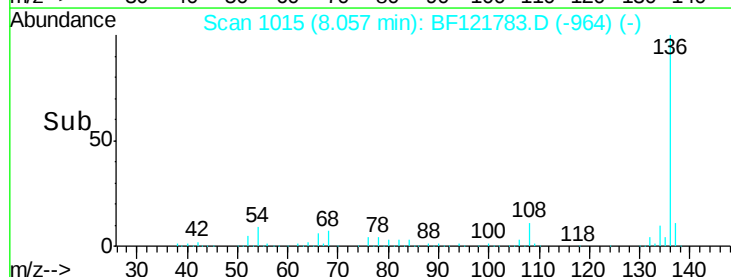
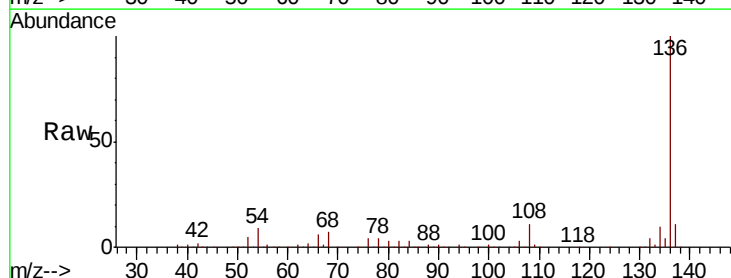
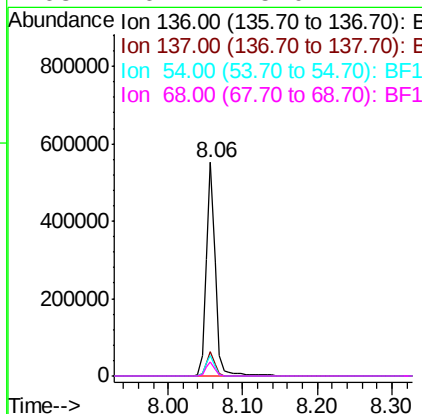
RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Tgt Ion:	136	Resp:	470455
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	9.4	7.1	10.7
68	6.7	5.0	7.4





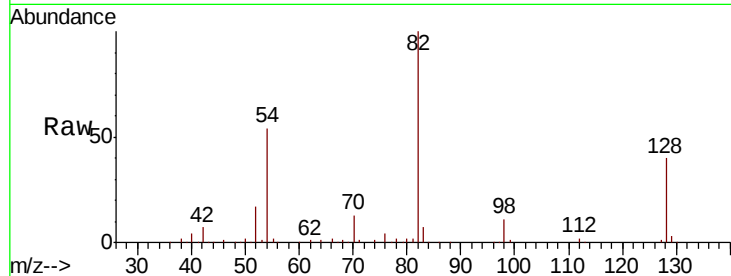
#23
Nitrobenzene-d5
Concen: 28.571 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

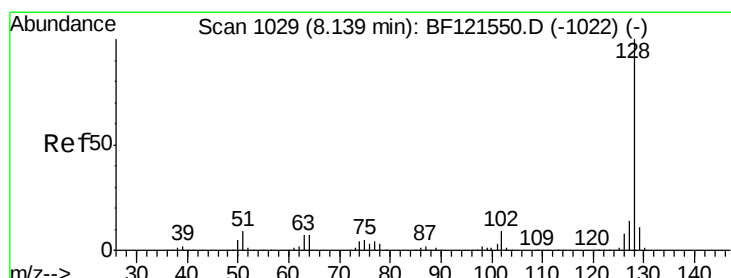
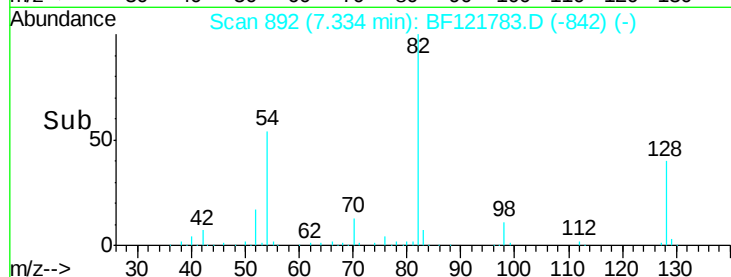
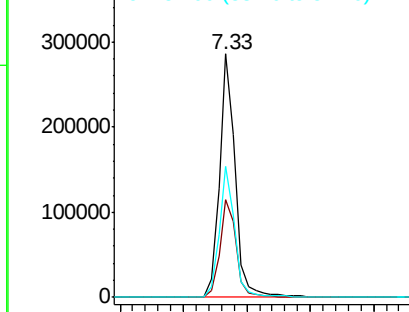
Tot Ion	Ratio	Resp	Lower	Upper
82	100	250347		
128	40.2	35.0	52.4	
54	53.6	43.9	65.9	

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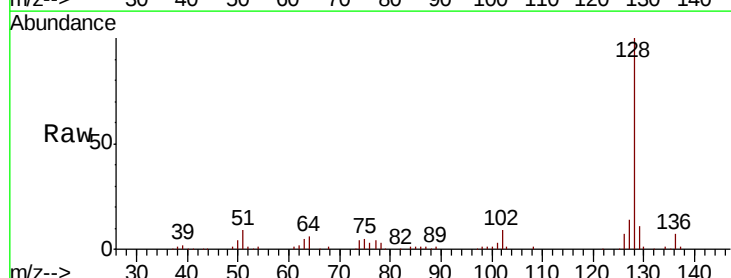


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

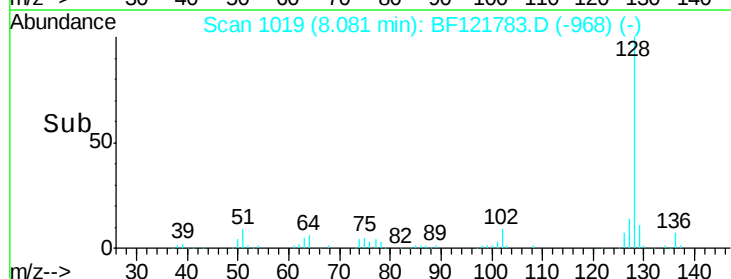
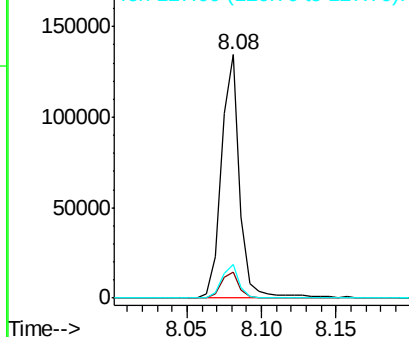


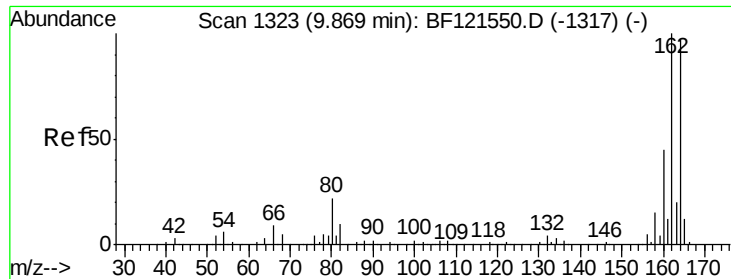
#31
Naphthalene
Concen: 4.685 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	116351		
129	10.7	8.7	13.1	
127	13.7	10.8	16.2	



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: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Instrument :

BNA_F

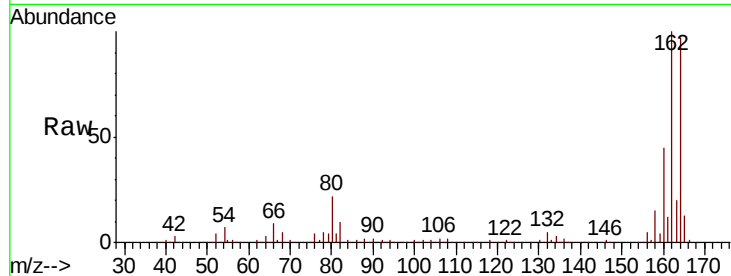
ClientSampleId :

B-14(9-11)DL

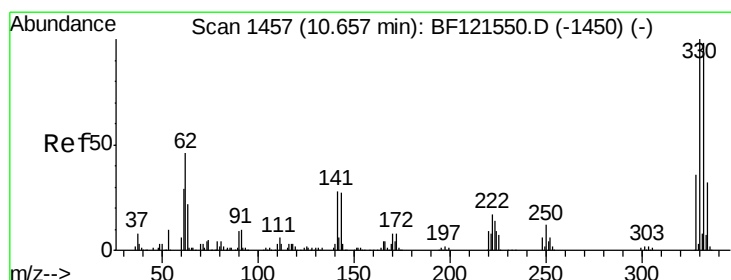
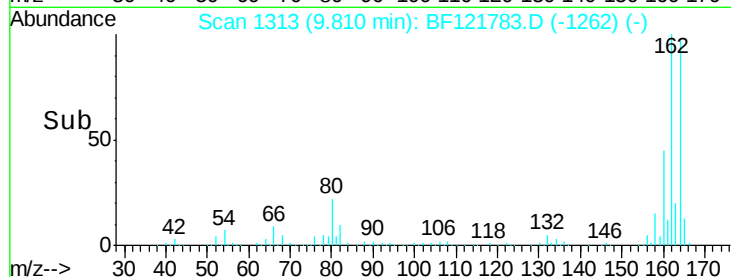
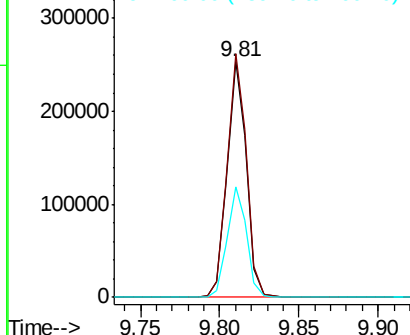
Tot Ion:	164	Resp:	212307
Ion Ratio	Lower	Upper	
164	100		
162	103.3	83.2	124.8
160	46.8	37.5	56.3

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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



#42

2,4,6-Tribromophenol

Concen: 30.267 ng

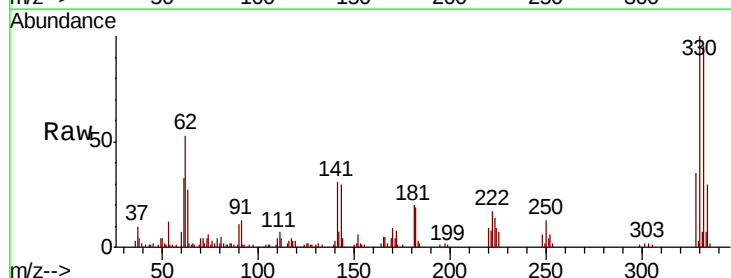
RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

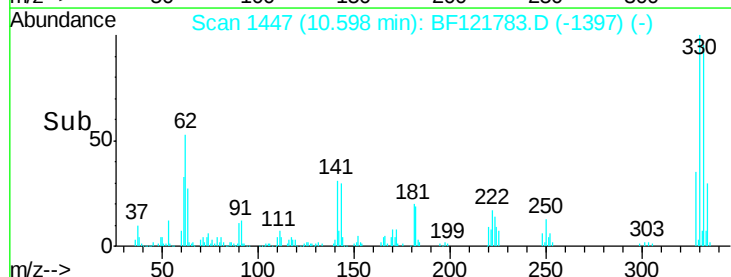
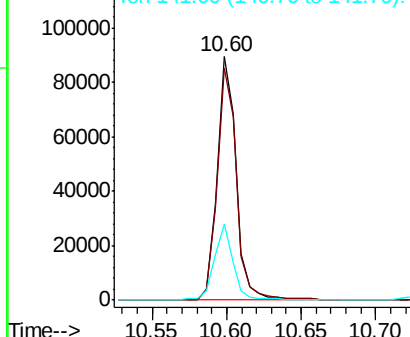
Lab File: BF121783.D

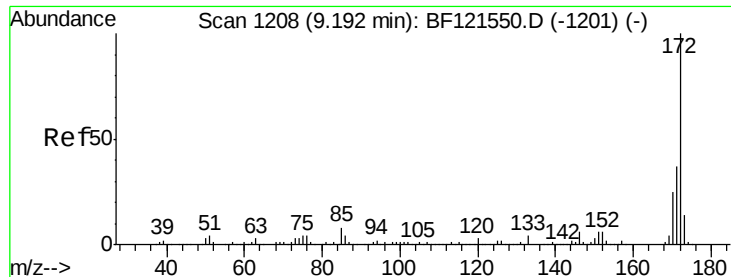
Acq: 1 Oct 2020 23:22

Tgt Ion:	330	Resp:	79866
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.3	115.9
141	31.6	22.3	33.5



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





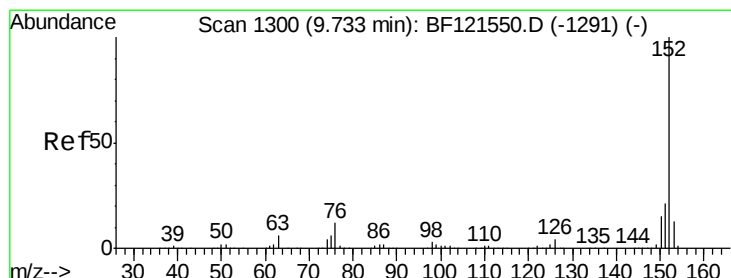
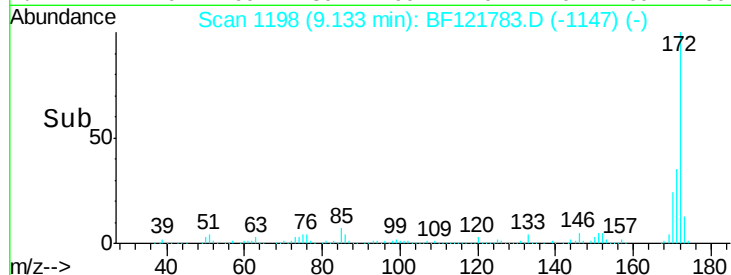
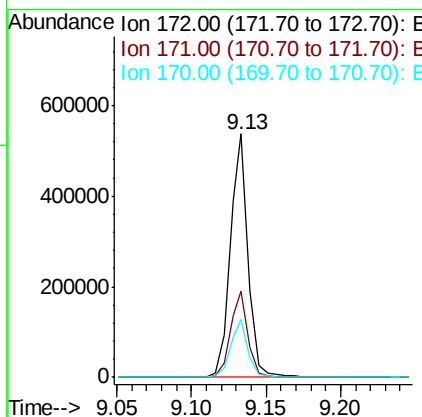
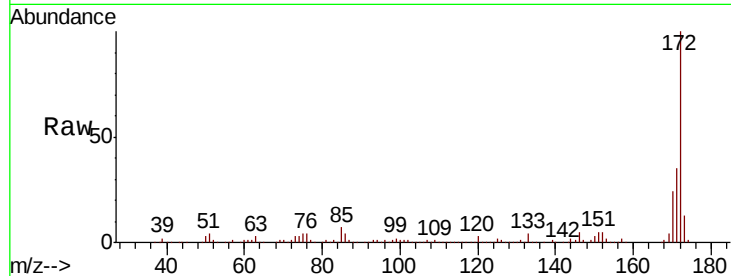
#45
2-Fluorobiphenyl
Concen: 32.250 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	452075		
171	35.2		29.1	43.7
170	23.6		19.8	29.6

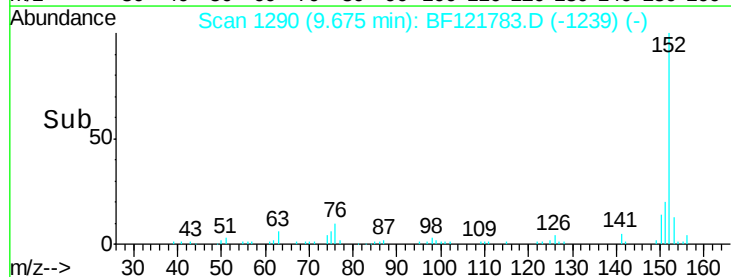
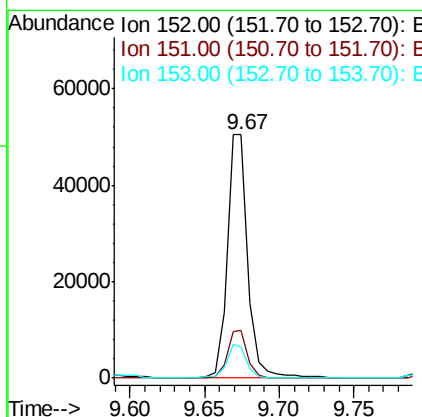
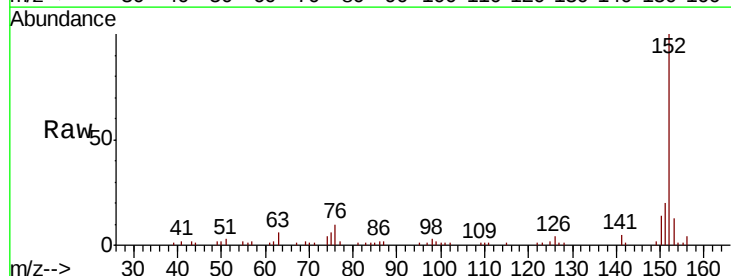
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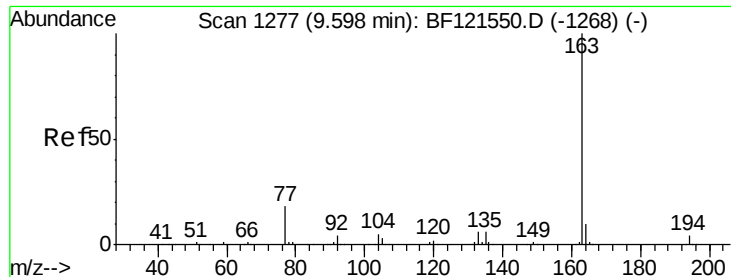
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#49
Acenaphthylene
Concen: 2.400 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	49381		
151	19.6		16.4	24.6
153	12.8		10.6	15.8





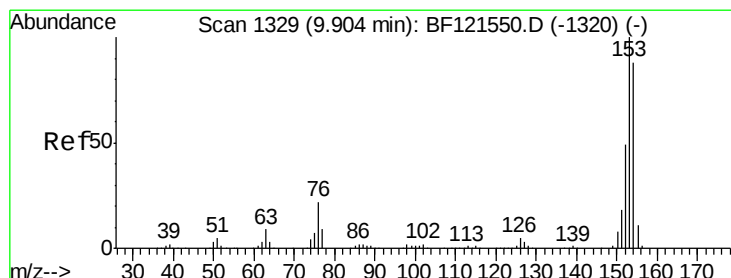
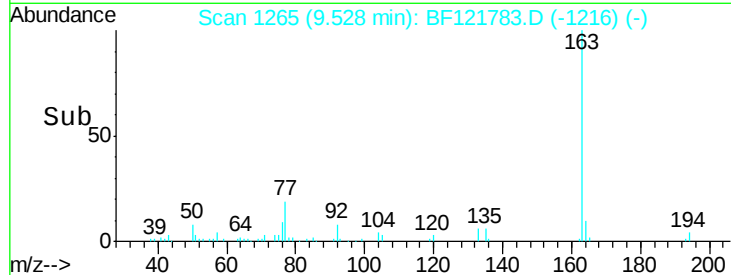
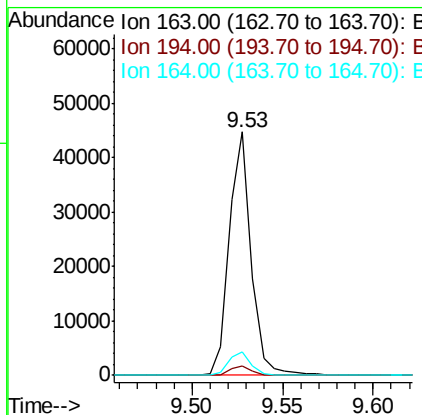
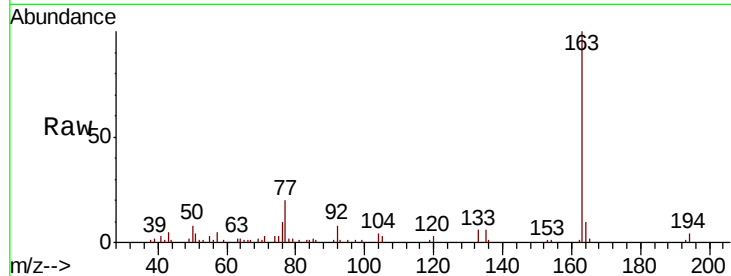
#50
Dimethylphthalate
Concen: 2.453 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleID :
B-14(9-11)DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	37751		
194	4.0	3.3	4.9	
164	9.9	8.2	12.4	

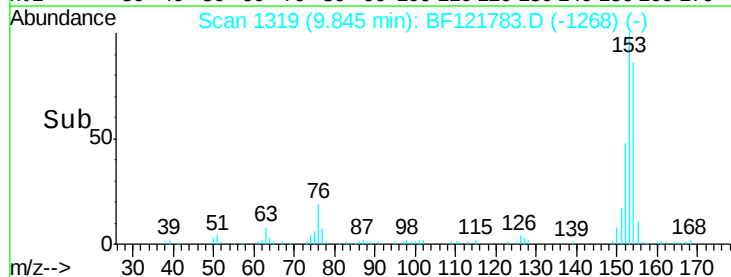
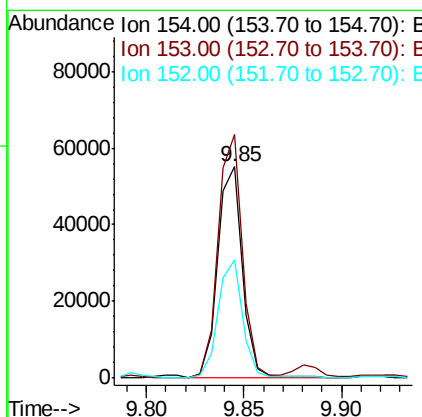
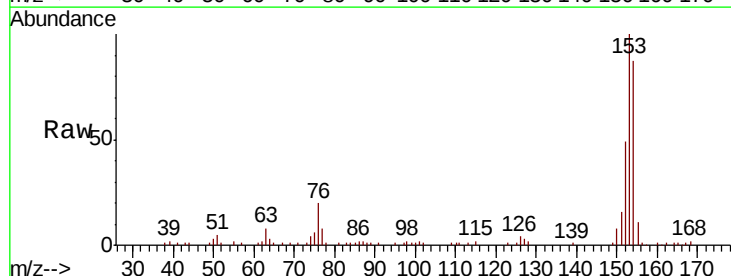
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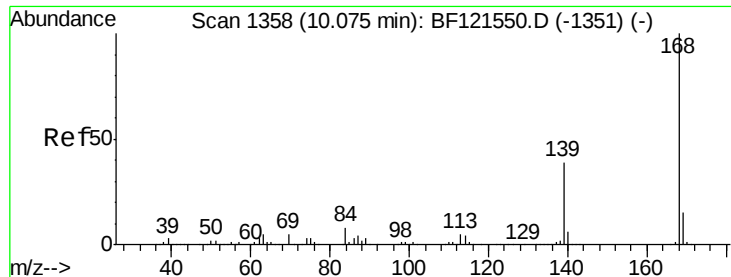
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#52
Acenaphthene
Concen: 3.742 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48638		
153	115.4	89.8	134.8	
152	56.1	43.2	64.8	





#55

Dibenzenofuran

Concen: 2.268 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Instrument :

BNA_F

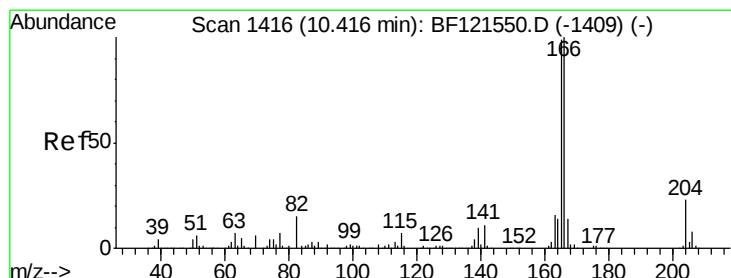
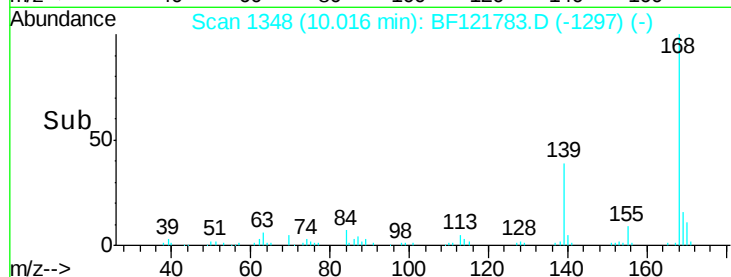
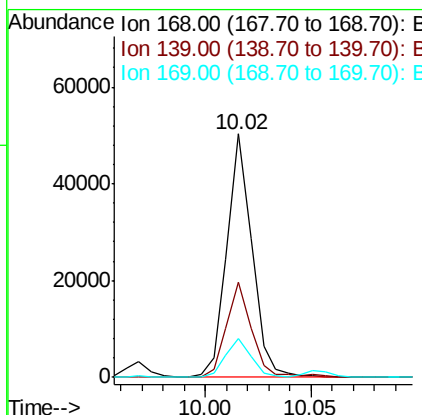
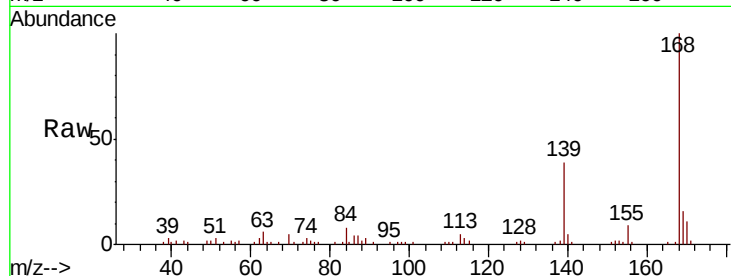
ClientSampleId :

B-14(9-11)DL

Tot Ion:	168	Resp:	41509
Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.0	46.6
169	15.8	11.3	16.9

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#58

Fluorene

Concen: 4.464 ng

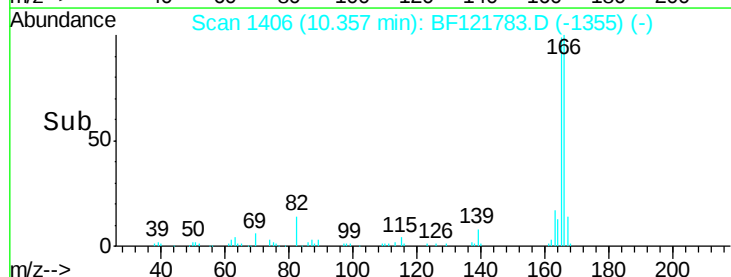
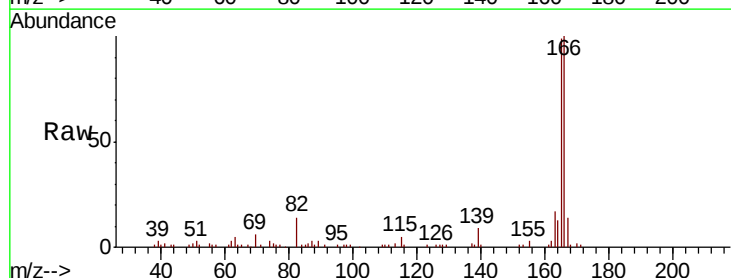
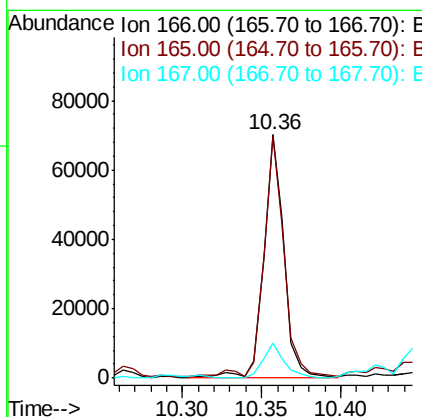
RT: 10.36 min Scan# 1406

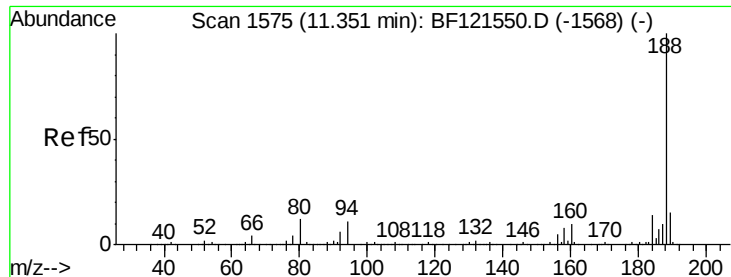
Delta R.T. 0.00 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Tgt Ion:	166	Resp:	62486
Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.1	118.7
167	14.2	11.0	16.6





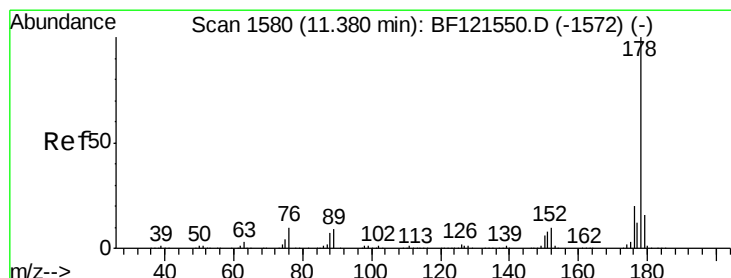
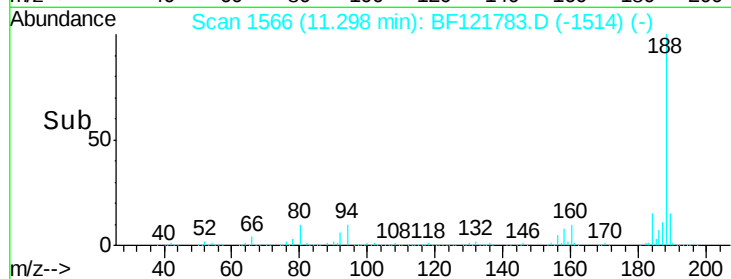
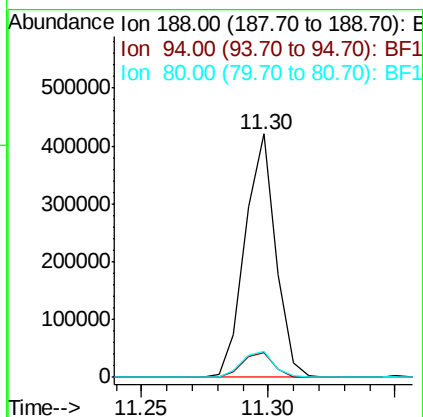
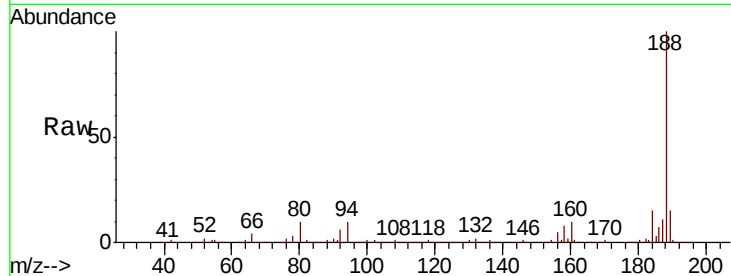
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	353074		
94	10.1		8.3	12.5
80	10.4		9.1	13.7

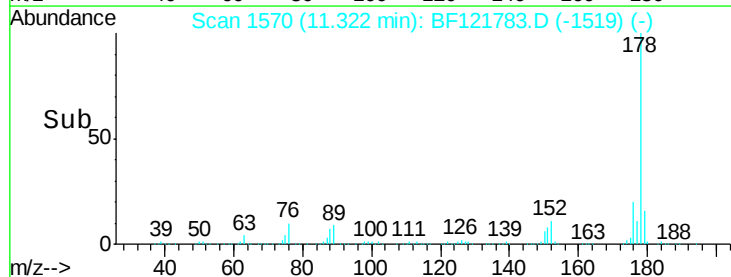
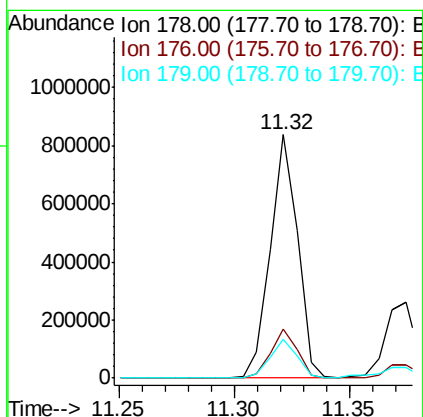
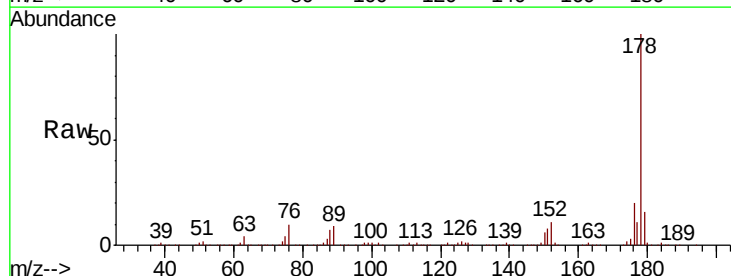
Manual Integrations
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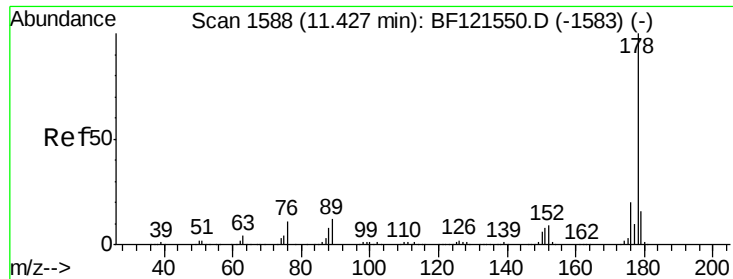
mohammad
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#71
Phenanthrene
Concen: 35.719 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	687115		
176	20.4		15.9	23.9
179	15.9		12.2	18.4





#72

Anthracene

Concen: 11.640 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Instrument :

BNA_F

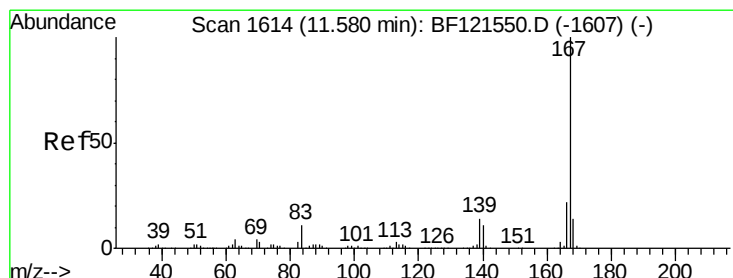
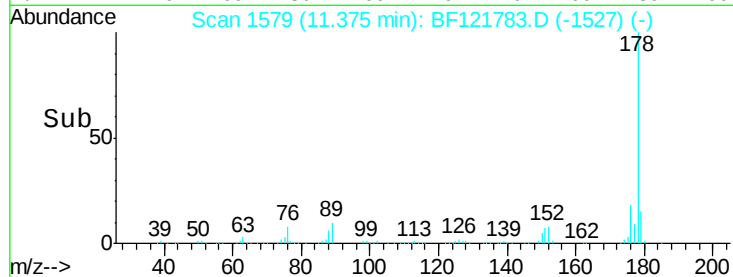
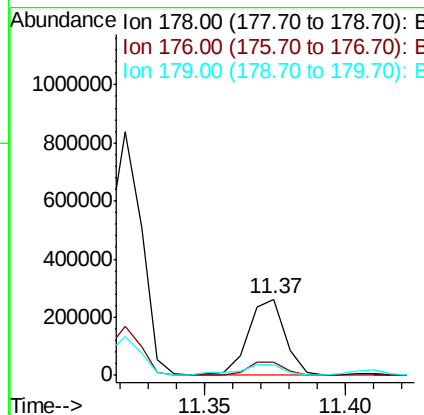
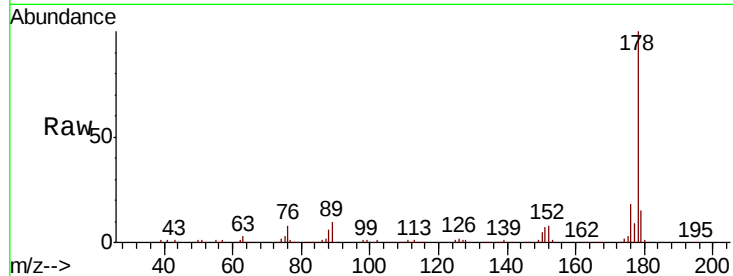
ClientSampleId :

B-14(9-11)DL

Tot Ion:	178	Resp:	231077
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.7	23.5
179	14.7	12.7	19.1

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#73

Carbazole

Concen: 3.285 ng

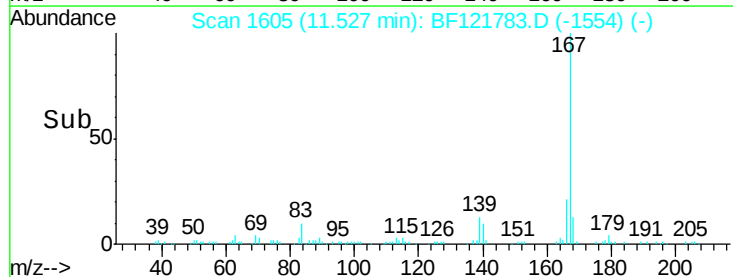
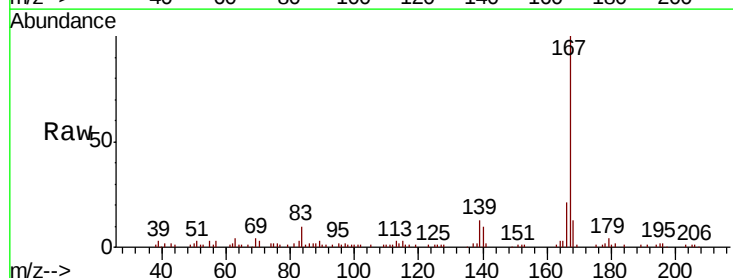
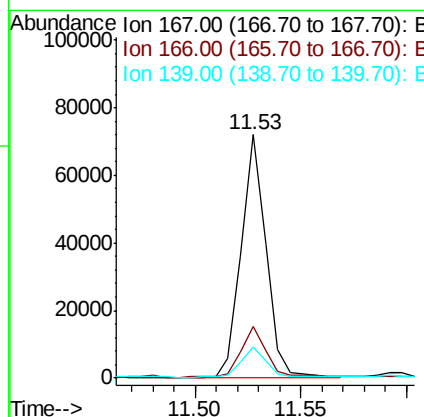
RT: 11.53 min Scan# 1605

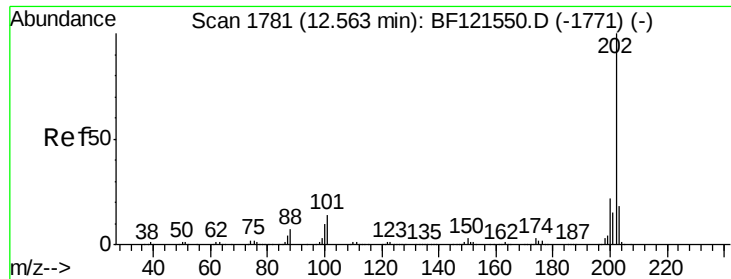
Delta R.T. 0.00 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Tgt Ion:	167	Resp:	58855
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.8	26.6
139	12.6	10.8	16.2





#75

Fluoranthene

Concen: 51.340 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.01 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Instrument :

BNA_F

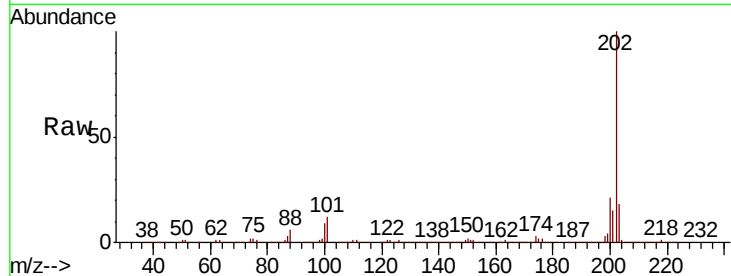
ClientSampled :

B-14(9-11)DL

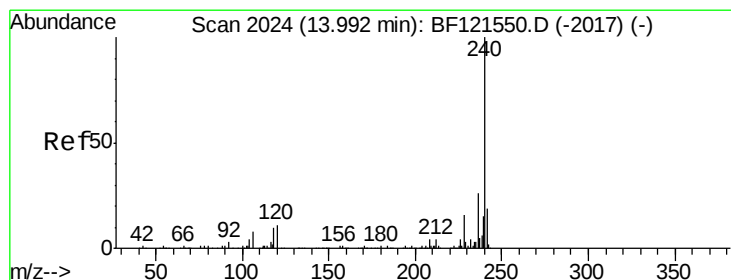
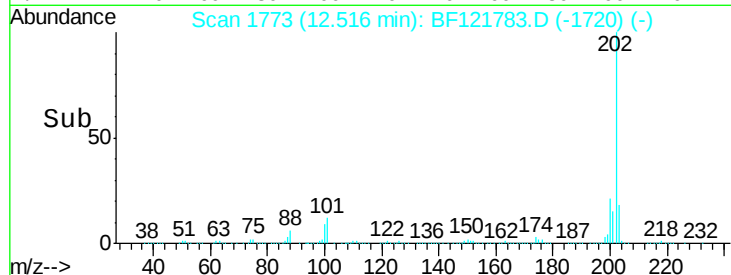
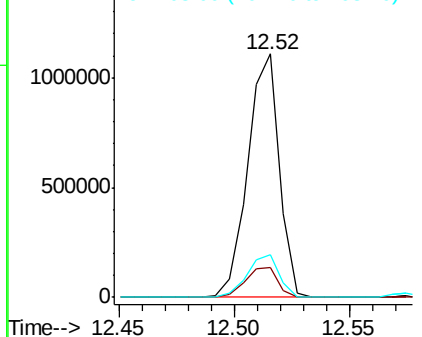
Tot Ion:	202	Resp:	1054271
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	33.4
203	17.7	0.0	37.9

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Abundance Ion 202.00 (201.70 to 202.70): E
1500000 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

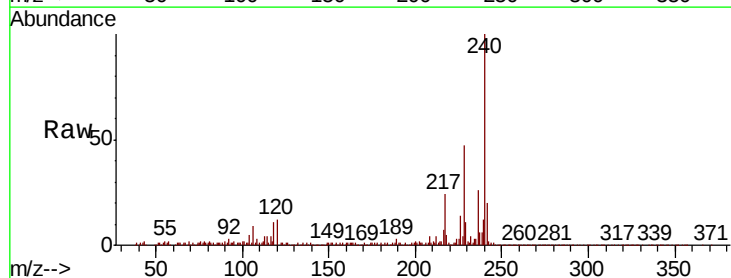
RT: 13.94 min Scan# 2015

Delta R.T. 0.01 min

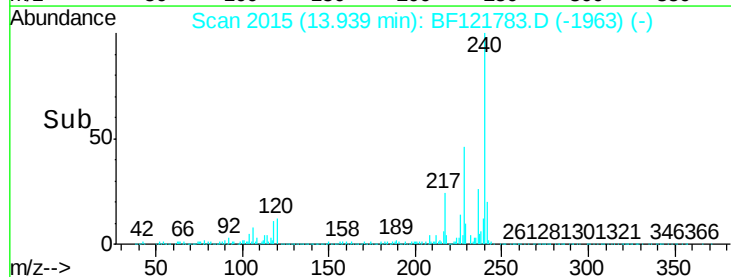
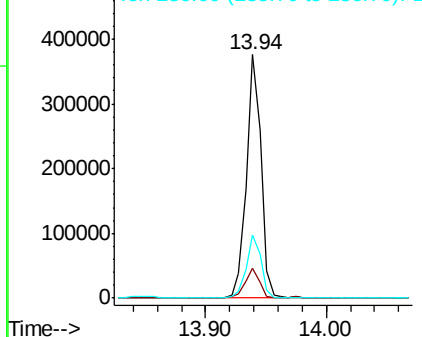
Lab File: BF121783.D

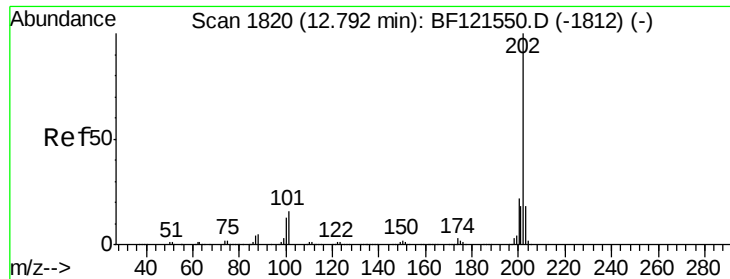
Acq: 1 Oct 2020 23:22

Tgt Ion:	240	Resp:	318069
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.2	13.8
236	25.8	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
500000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 39.855 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF121783.D

Acq: 1 Oct 2020 23:22

Instrument :

BNA_F

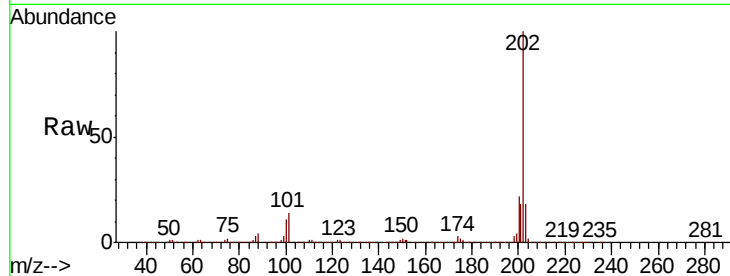
ClientSampleId :

B-14(9-11)DL

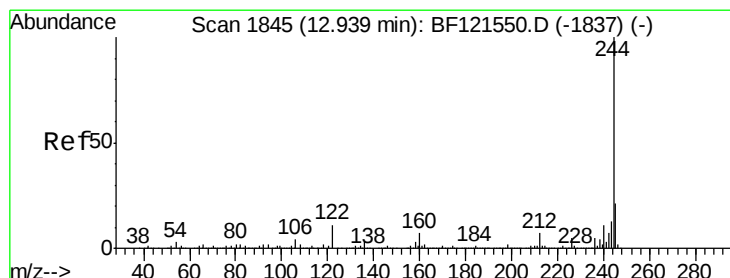
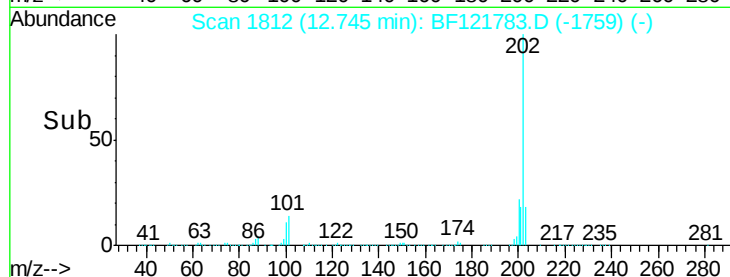
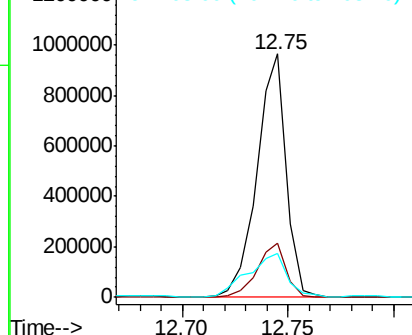
Tot Ion:	202	Resp:	926184
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	18.1	14.6	21.8

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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: 25.429 ng

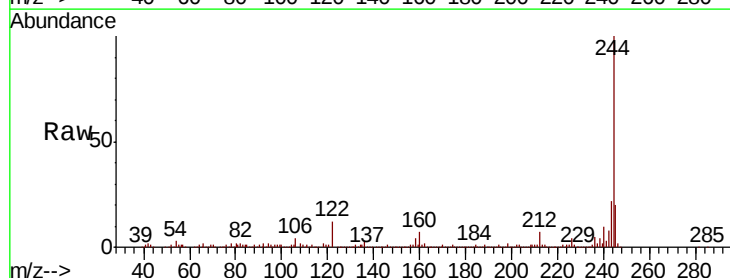
RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

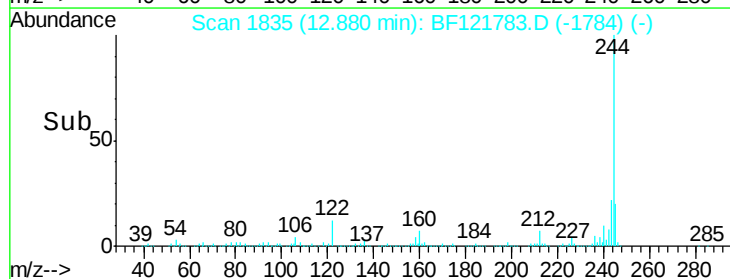
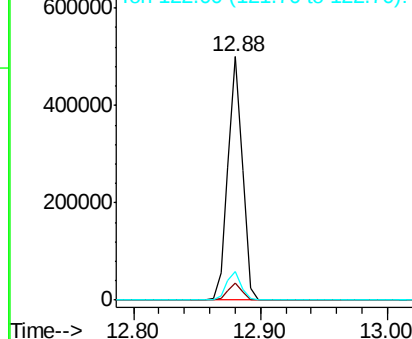
Lab File: BF121783.D

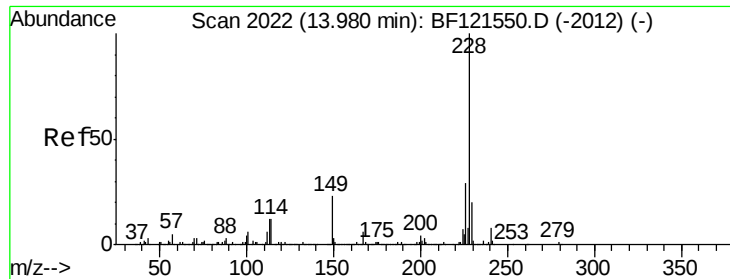
Acq: 1 Oct 2020 23:22

Tgt Ion:	244	Resp:	399236
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	11.6	8.1	12.1



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





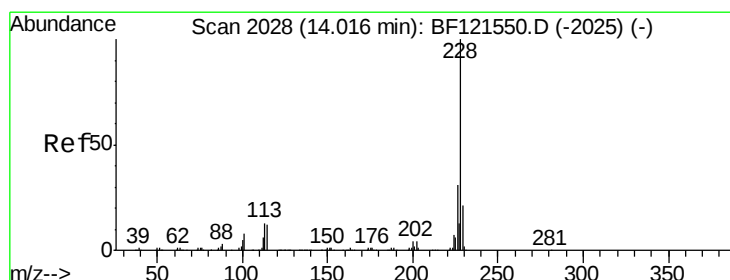
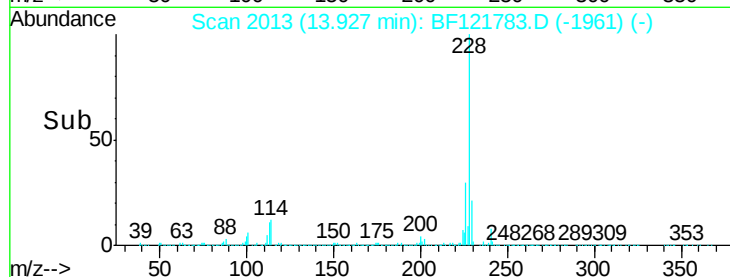
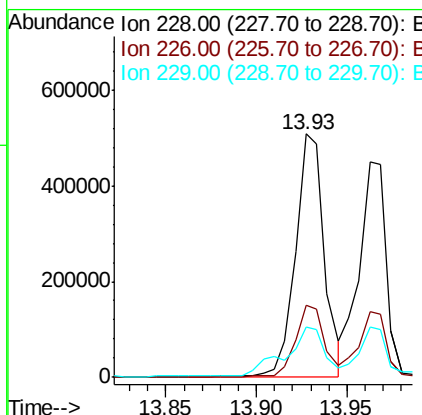
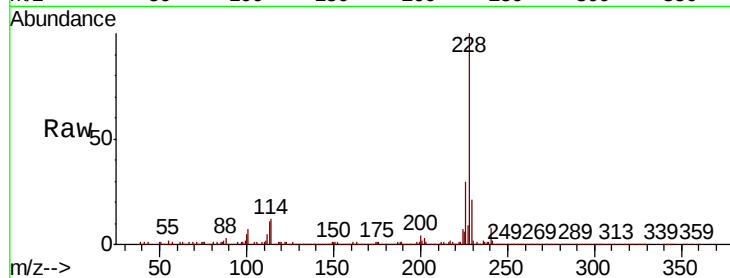
#81
Benzo(a)anthracene
Concen: 28.316 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.3	33.5
229	20.8	16.2	24.4

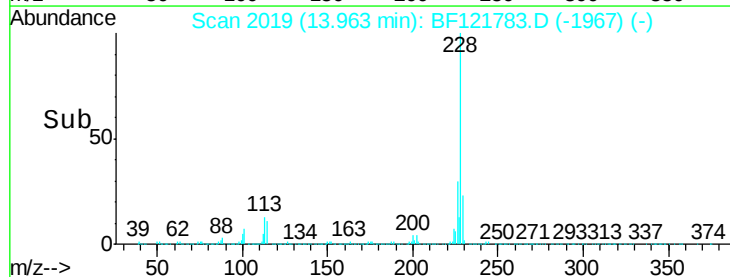
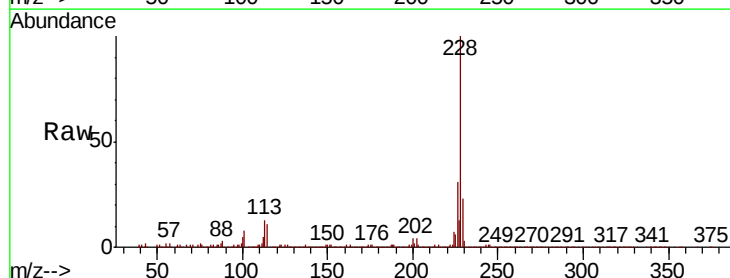
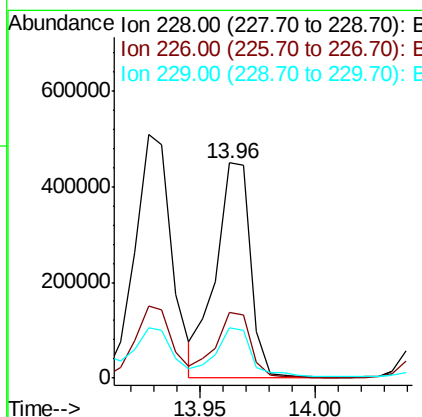
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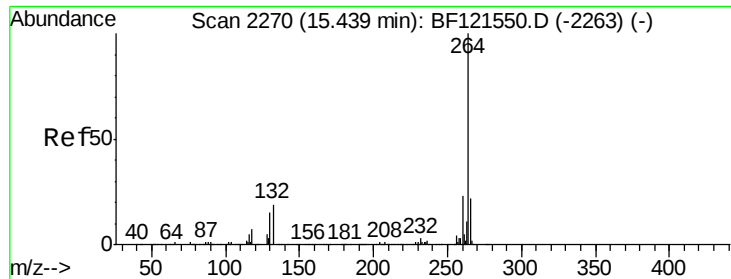
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#83
Chrysene
Concen: 23.020 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	23.2	15.9	23.9





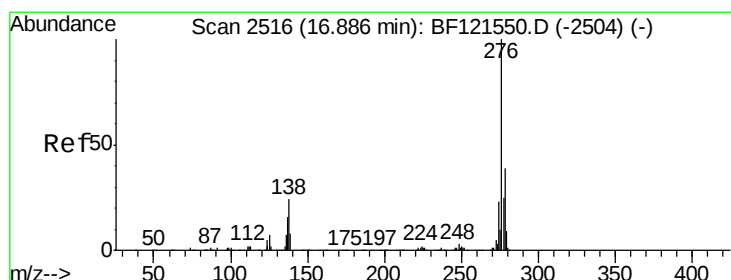
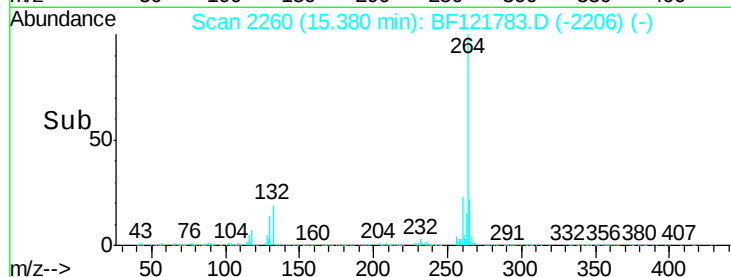
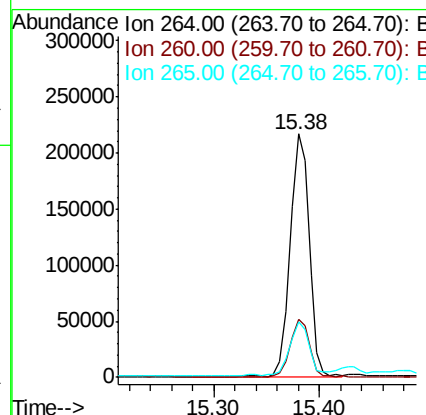
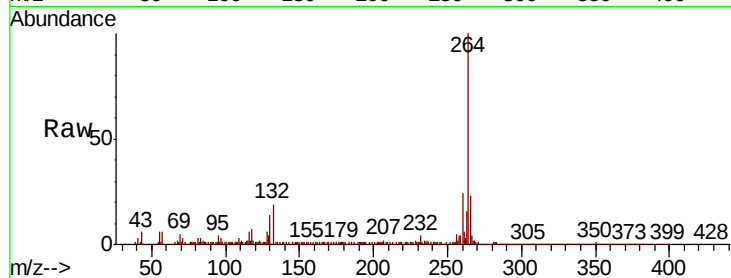
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.8	17.3	25.9

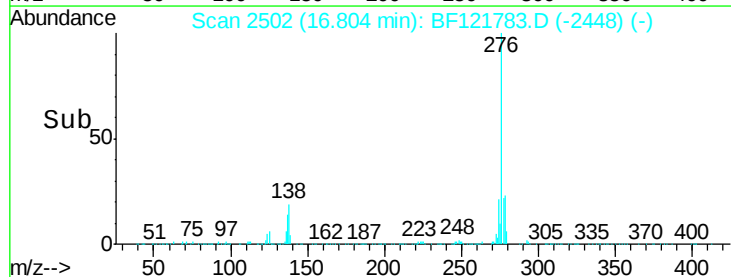
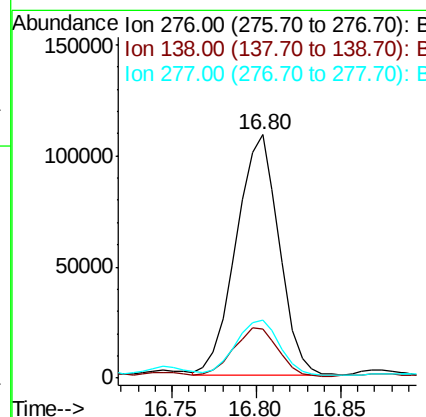
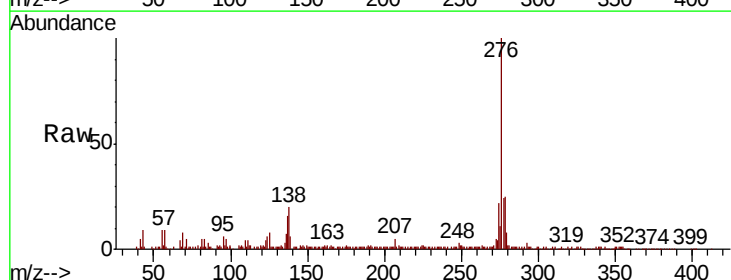
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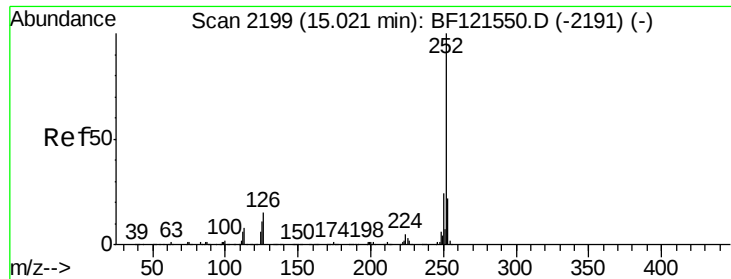
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#87
Indeno(1,2,3-cd)pyrene
Concen: 10.950 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.02 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	19.9	29.9
277	23.9	20.4	30.6





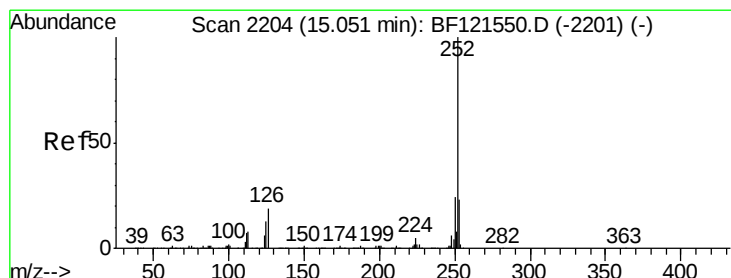
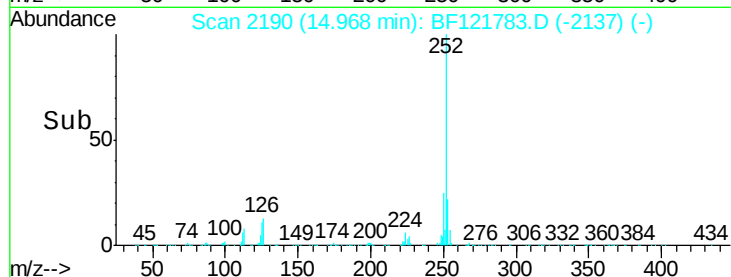
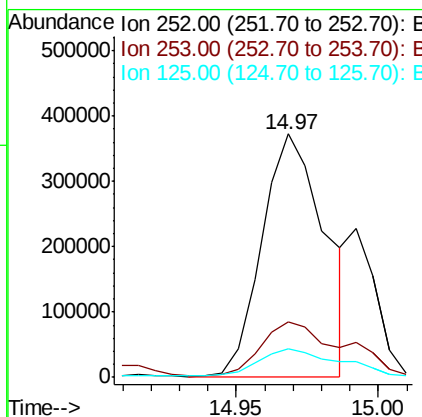
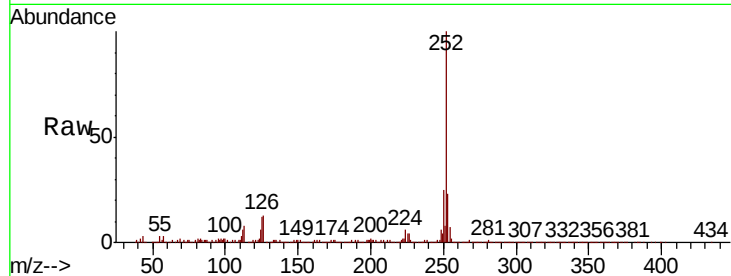
#88
Benzo(b)fluoranthene
Concen: 31.787 ng m
RT: 14.97 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.7	8.0	12.0

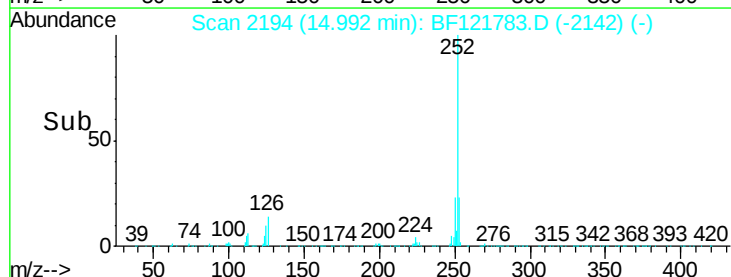
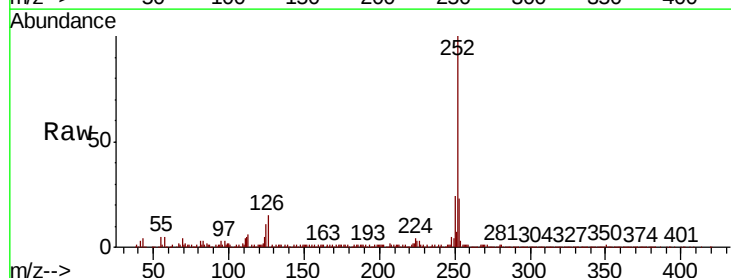
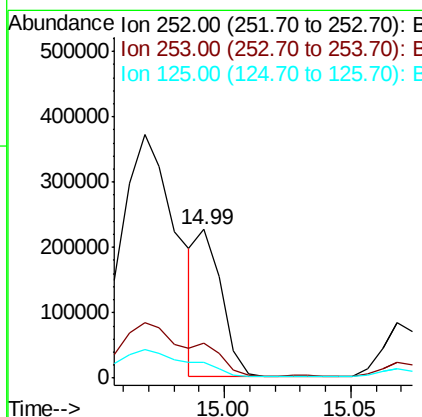
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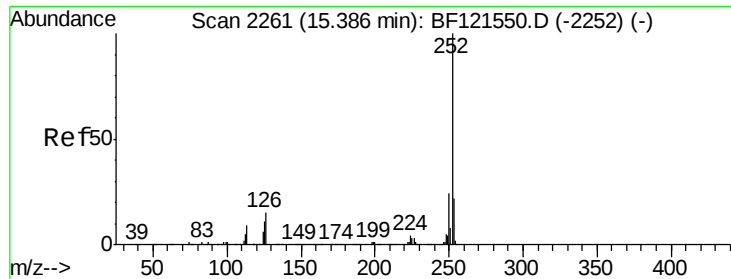
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.146 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	10.7	7.7	11.5





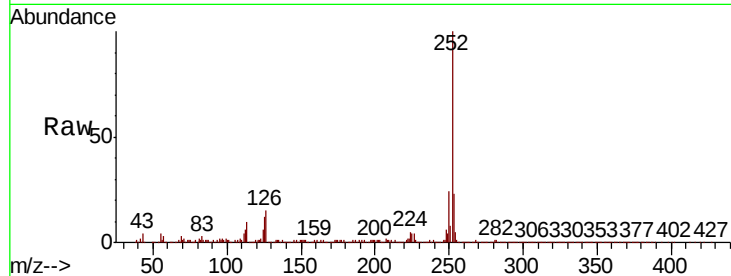
#90
Benzo(a)pyrene
Concen: 24.183 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	11.8	8.6	13.0

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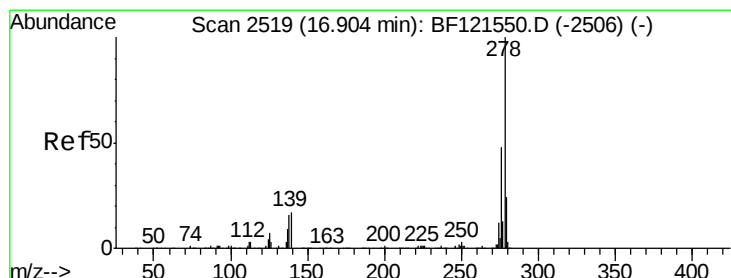
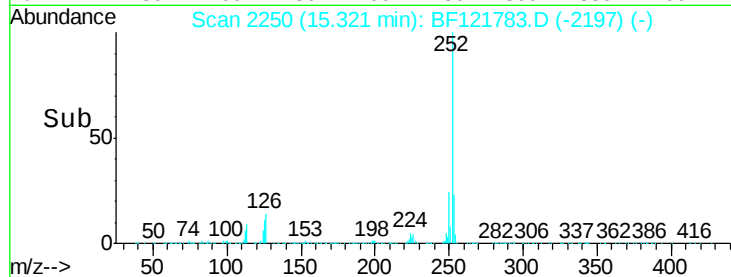
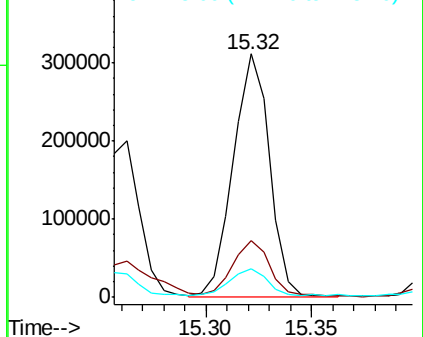


Abundance

Ion 252.00 (251.70 to 252.70): E

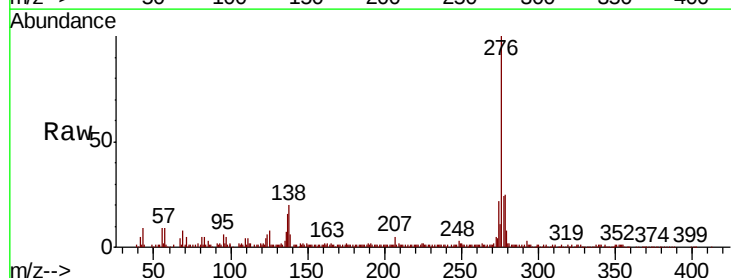
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 3.629 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF121783.D
Acq: 1 Oct 2020 23:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	13.0	19.4#
279	31.7	19.0	28.4#

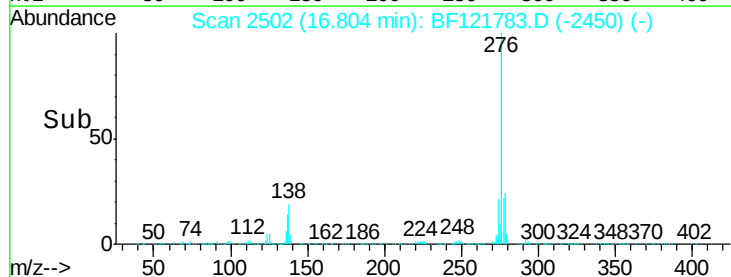
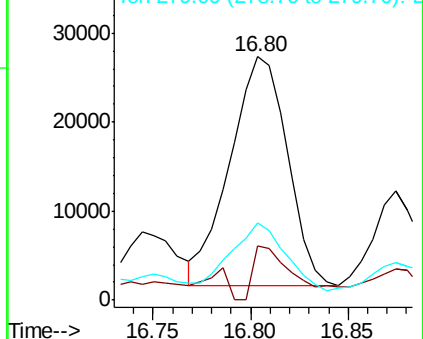


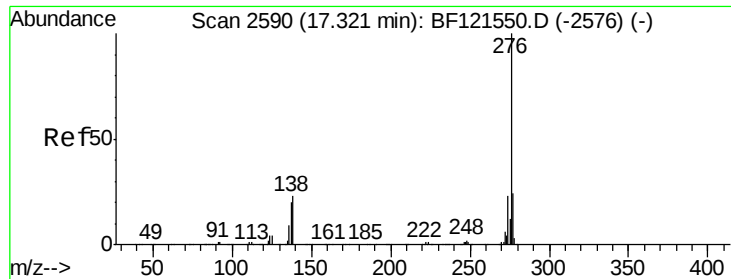
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 11.695 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.02 min
 Lab File: BF121783.D
 Acq: 1 Oct 2020 23:22

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	22.1	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 10/2/2020 12:14:03 PM

