

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121784.D
 Acq On : 1 Oct 2020 23:52
 Operator : JU/CG
 Sample : L4193-06DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(11-13)DL

Manual Integrations
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Quant Time: Oct 02 01:58:55 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	127924	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	461132	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	201963	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	340660	20.00	ng	0.00
76) Chrysene-d12	13.94	240	307342	20.00	ng	0.01
86) Perylene-d12	15.39	264	257900	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	395988	46.00	ng	0.00
7) Phenol-d6	6.41	99	485872	43.02	ng	0.00
23) Nitrobenzene-d5	7.33	82	303207	35.30	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	90900	36.21	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	517392	38.80	ng	0.00
79) Terphenyl-d14	12.88	244	454917	29.99	ng	0.00
Target Compounds						
31) Naphthalene	8.08	128	62326	2.560	ng	99
50) Dimethylphthalate	9.53	163	46721	3.192	ng	99
52) Acenaphthene	9.85	154	44356	3.587	ng	98
55) Dibenzofuran	10.02	168	38065	2.186	ng	# 97
58) Fluorene	10.36	166	59282	4.452	ng	97
71) Phenanthrene	11.32	178	786922	42.398	ng	99
72) Anthracene	11.37	178	274898	14.352	ng	98
73) Carbazole	11.53	167	47324	2.738	ng	99
75) Fluoranthene	12.52	202	1401884	70.755	ng	99
78) Pyrene	12.74	202	1361195	60.618	ng	100
81) Benzo(a)anthracene	13.93	228	832682	42.825	ng	99
83) Chrysene	13.97	228	751911m	38.188	ng	
87) Indeno(1,2,3-cd)pyrene	16.81	276	296240	17.638	ng	95
88) Benzo(b)fluoranthene	14.97	252	873943m	50.690	ng	
89) Benzo(k)fluoranthene	15.00	252	181025m	11.466	ng	
90) Benzo(a)pyrene	15.33	252	557496	38.040	ng	97
91) Dibenzo(a,h)anthracene	16.81	278	81779m	5.849	ng	
92) Benzo(g,h,i)perylene	17.24	276	269676	19.623	ng	99

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

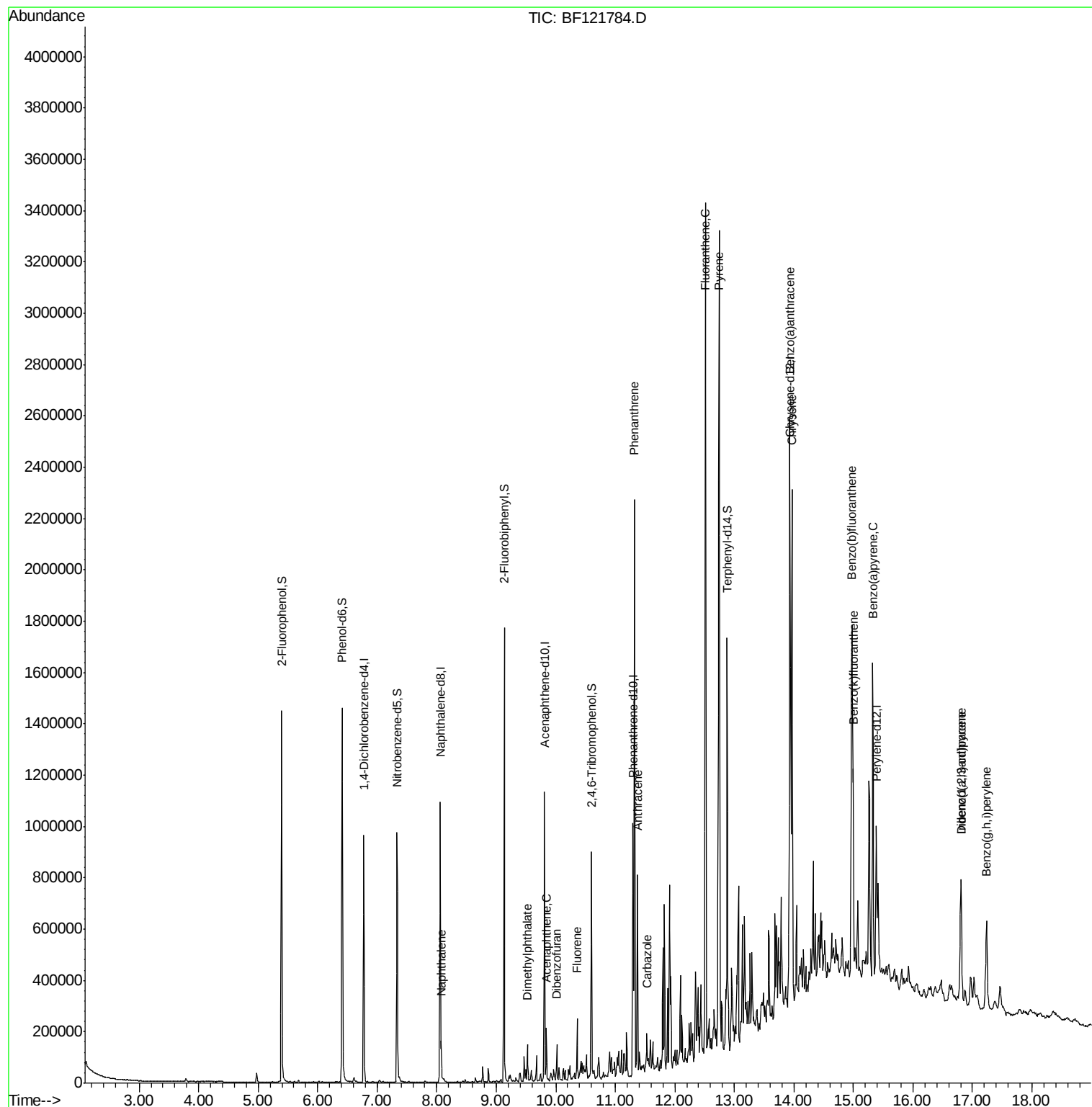
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121784.D
Acq On : 1 Oct 2020 23:52
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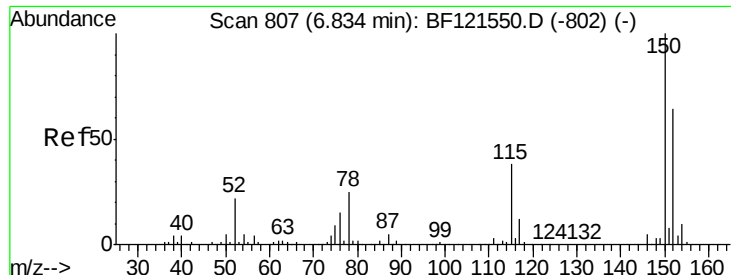
Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

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Quant Time: Oct 02 01:58:55 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
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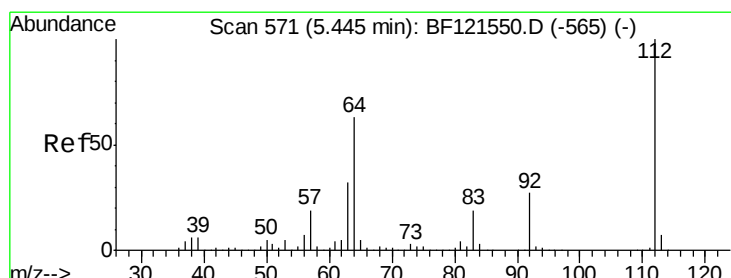
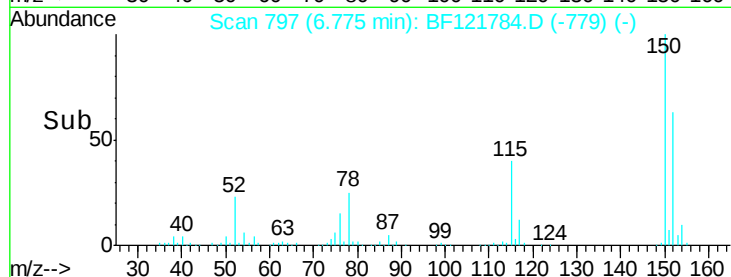
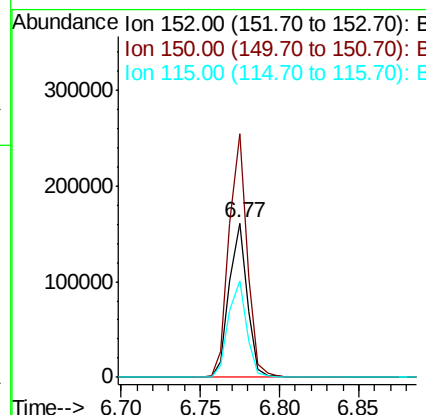
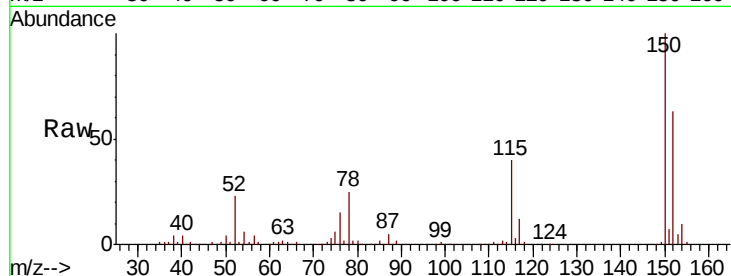
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Instrument :
 BNA_F
 ClientSampleId :
 B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.3	187.9
115	62.7	51.9	77.9

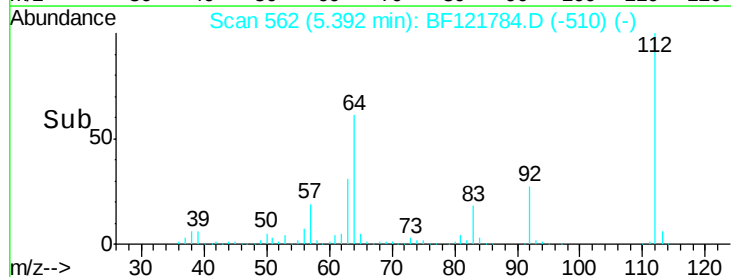
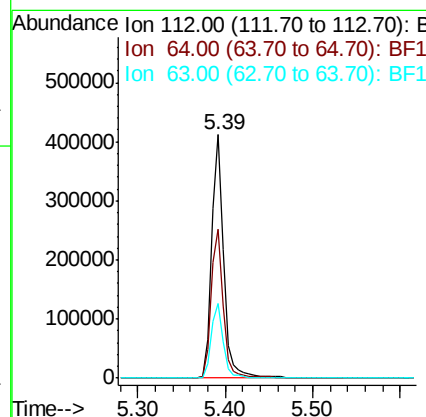
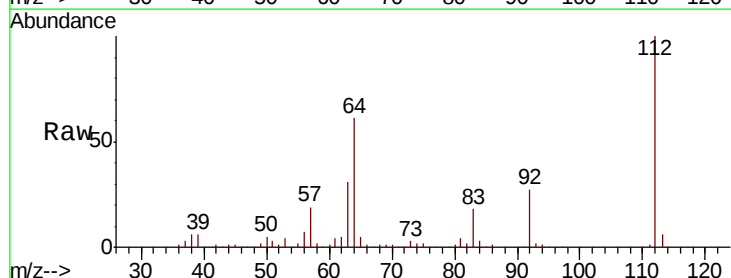
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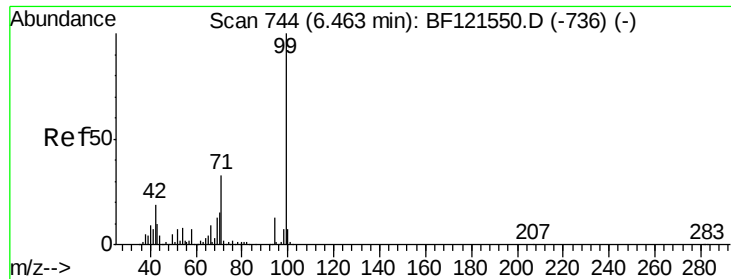
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#5
 2-Fluorophenol
 Concen: 46.003 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	50.4	75.6
63	30.6	25.8	38.6





#7

Phenol-d6

Concen: 43.024 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121784.D

Acq: 1 Oct 2020 23:52

Instrument :

BNA_F

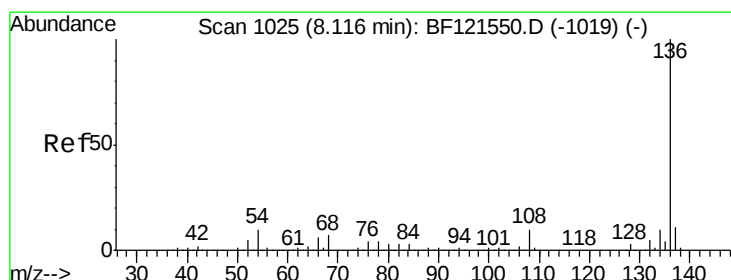
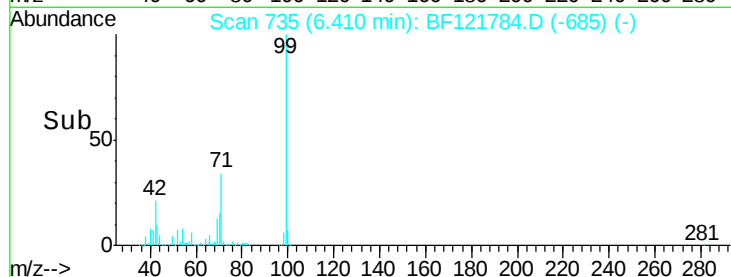
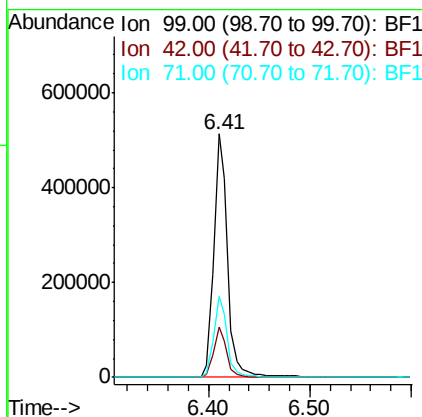
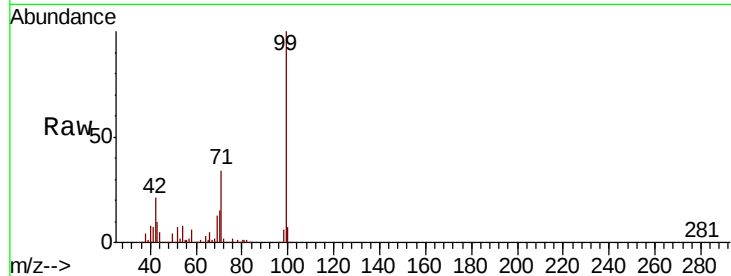
ClientSampleId :

B-14(11-13)DL

Tot Ion:	99	Resp:	485872
Ion Ratio	Lower	Upper	
99	100		
42	20.5	15.9	23.9
71	33.5	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

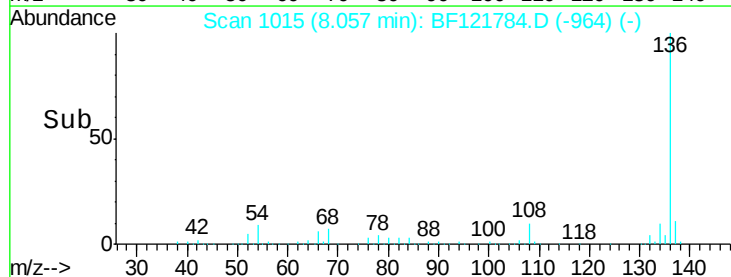
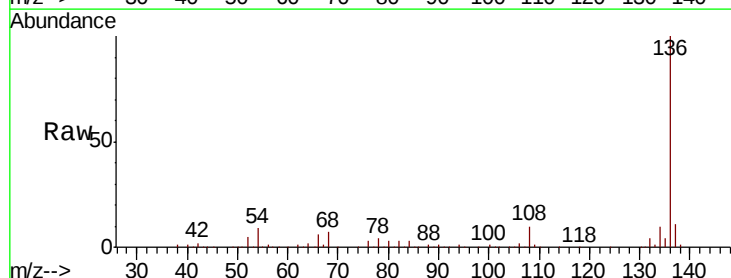
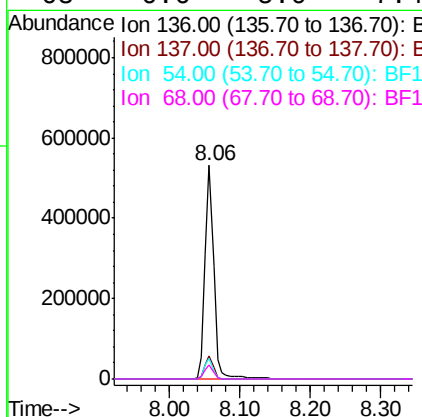
RT: 8.06 min Scan# 1015

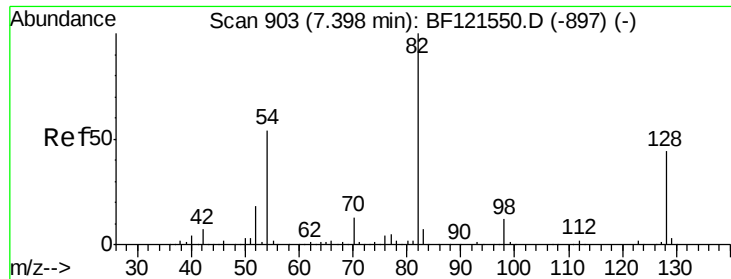
Delta R.T. -0.00 min

Lab File: BF121784.D

Acq: 1 Oct 2020 23:52

Tgt Ion:	136	Resp:	461132
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.3	7.1	10.7
68	6.6	5.0	7.4





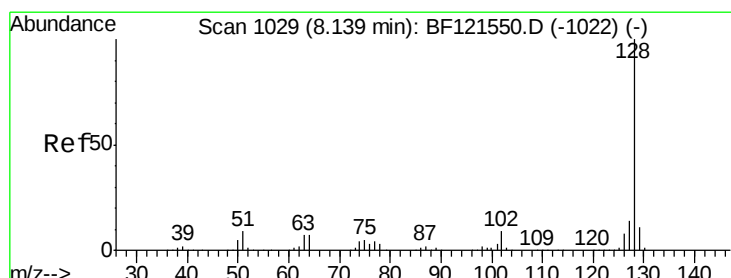
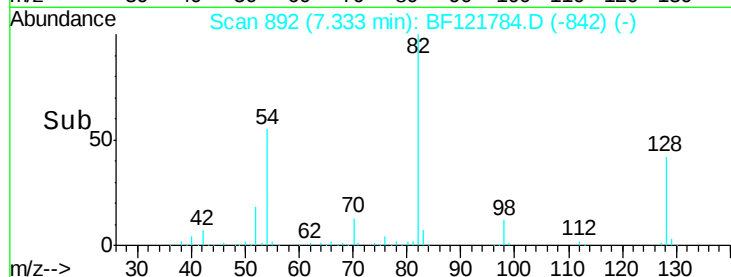
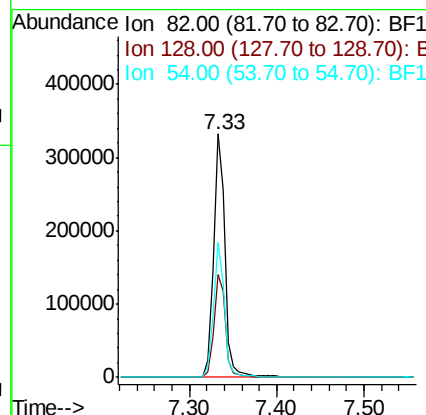
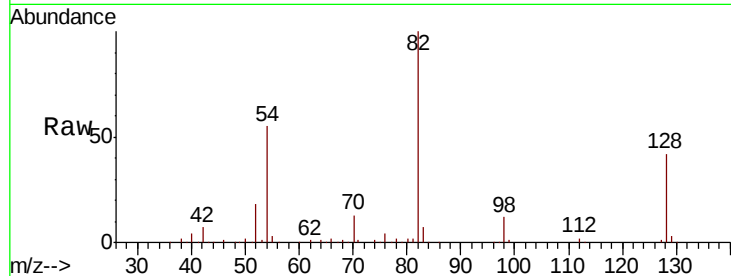
#23
Nitrobenzene-d5
Concen: 35.304 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.1	35.0	52.4
54	55.3	43.9	65.9

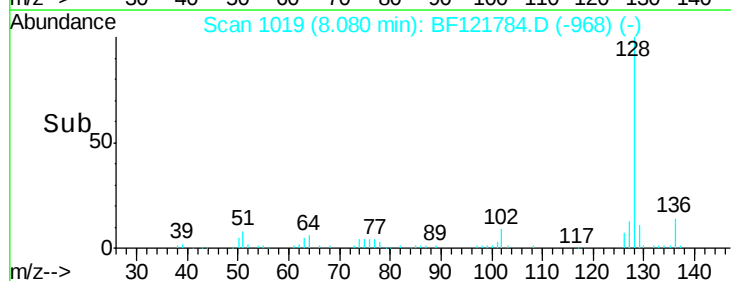
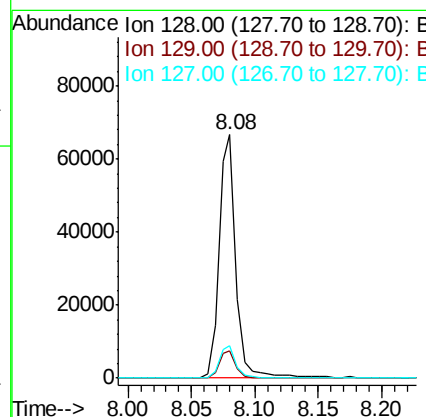
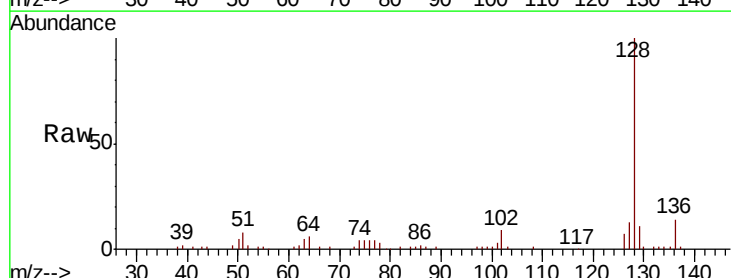
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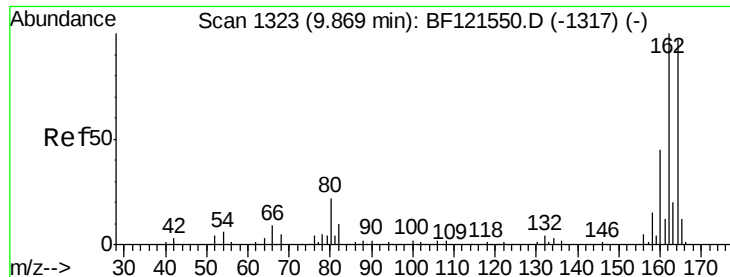
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#31
Naphthalene
Concen: 2.560 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.2	10.8	16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF121784.D

Acq: 1 Oct 2020 23:52

Instrument :

BNA_F

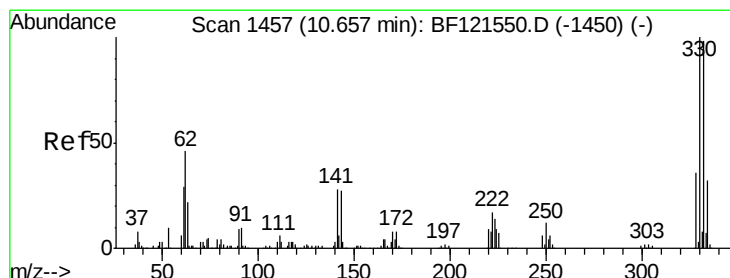
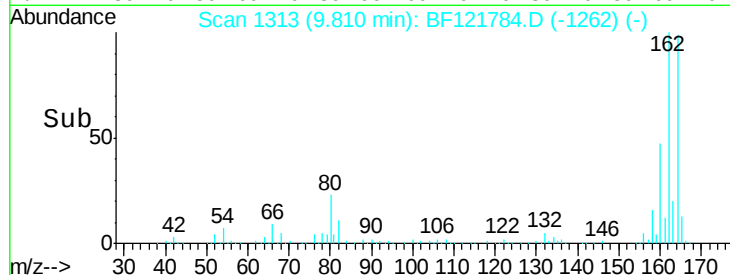
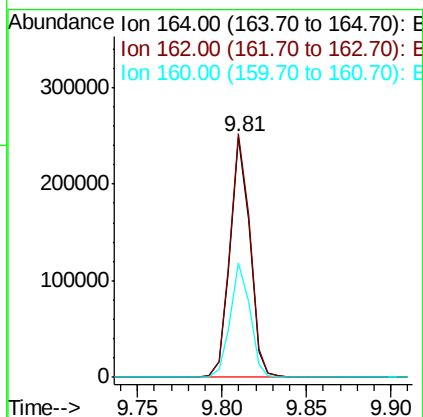
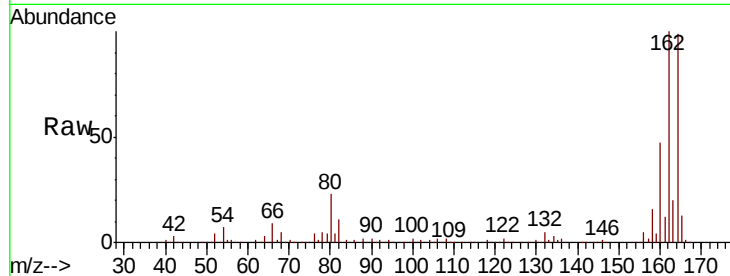
ClientSampleId :

B-14(11-13)DL

Tot Ion:	164	Resp:	201963
Ion Ratio	Lower	Upper	
164	100		
162	101.5	83.2	124.8
160	47.7	37.5	56.3

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#42

2,4,6-Tribromophenol

Concen: 36.213 ng

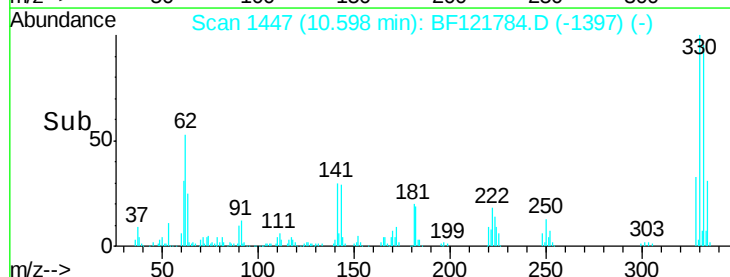
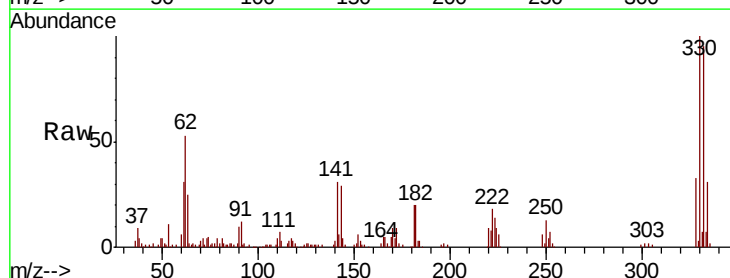
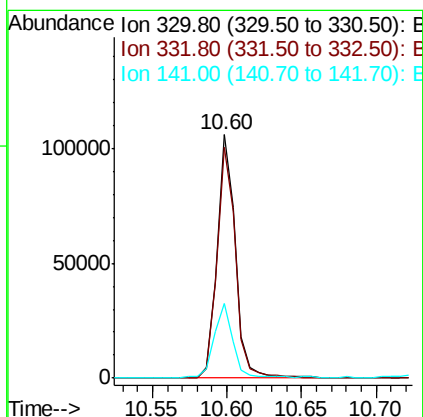
RT: 10.60 min Scan# 1447

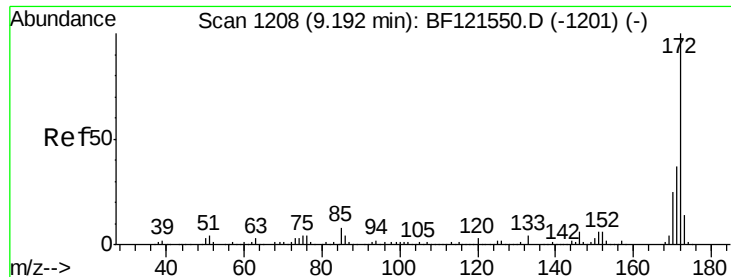
Delta R.T. -0.01 min

Lab File: BF121784.D

Acq: 1 Oct 2020 23:52

Tgt Ion:	330	Resp:	90900
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.3	115.9
141	32.9	22.3	33.5





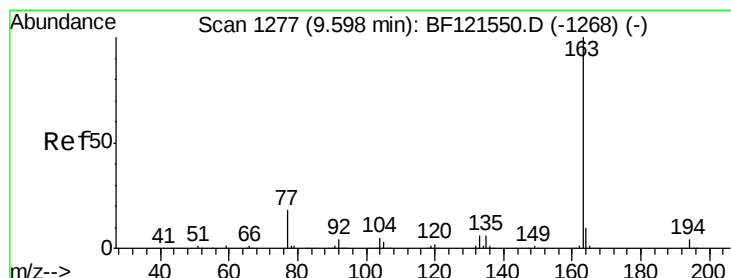
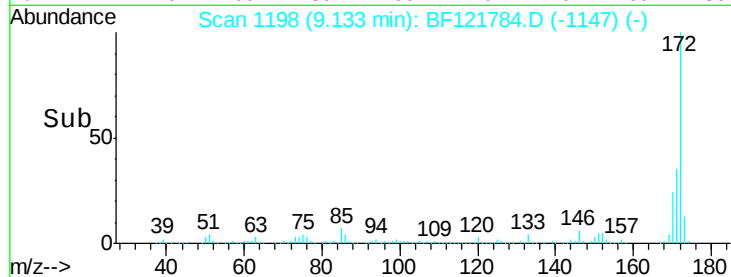
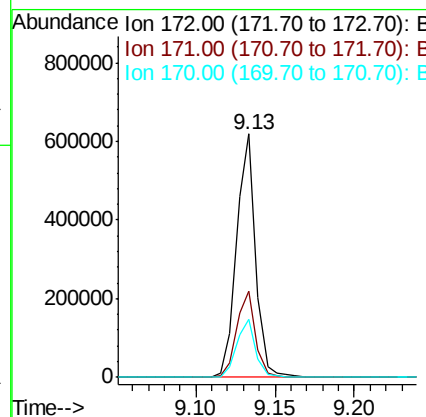
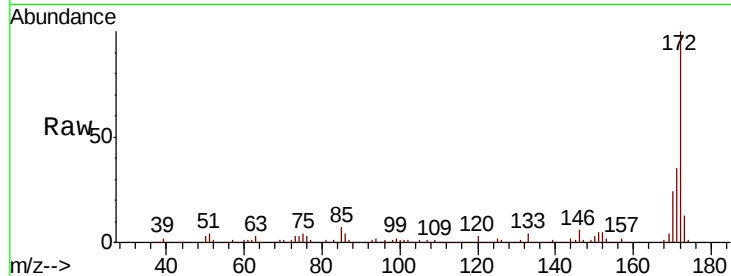
#45
2-Fluorobiphenyl
Concen: 38.799 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	517392		
171	35.2		29.1	43.7
170	23.8		19.8	29.6

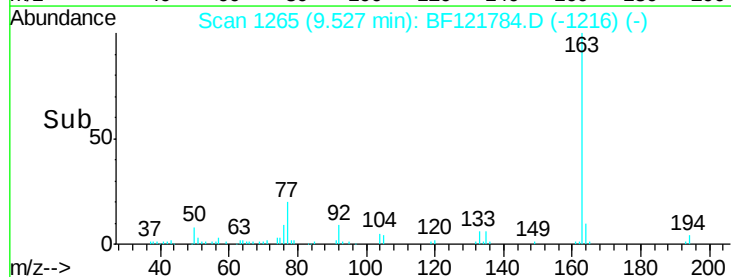
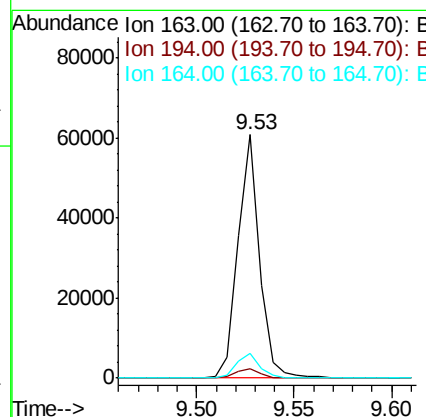
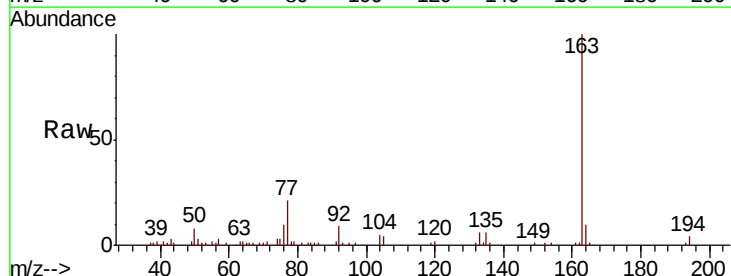
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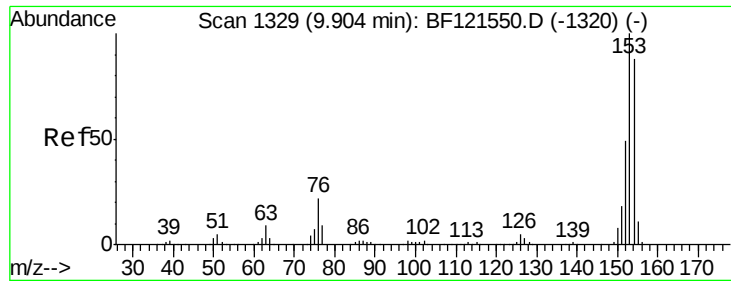
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#50
Dimethylphthalate
Concen: 3.192 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46721		
194	3.8		3.3	4.9
164	10.0		8.2	12.4





#52

Acenaphthene

Concen: 3.587 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF121784.D

Acq: 1 Oct 2020 23:52

Instrument :

BNA_F

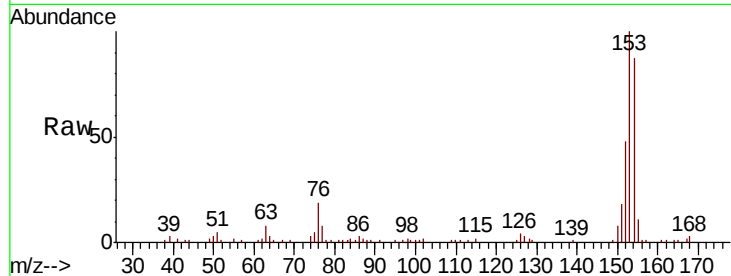
ClientSampleId :

B-14(11-13)DL

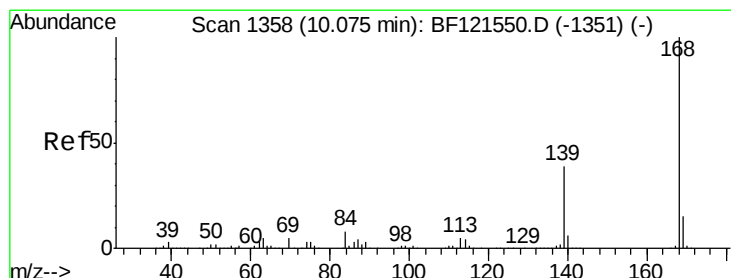
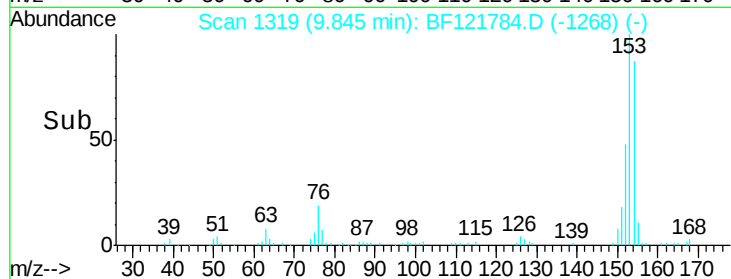
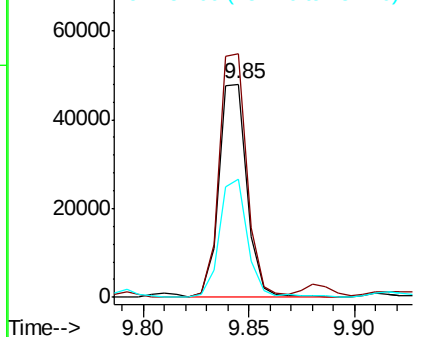
Tot Ion:	154	Resp:	44356
Ion Ratio	Lower	Upper	
154	100		
153	114.3	89.8	134.8
152	55.4	43.2	64.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.186 ng

RT: 10.02 min Scan# 1348

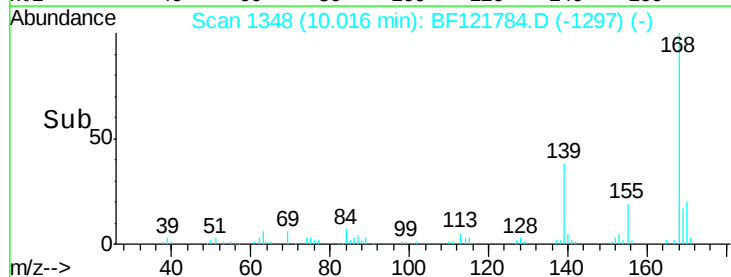
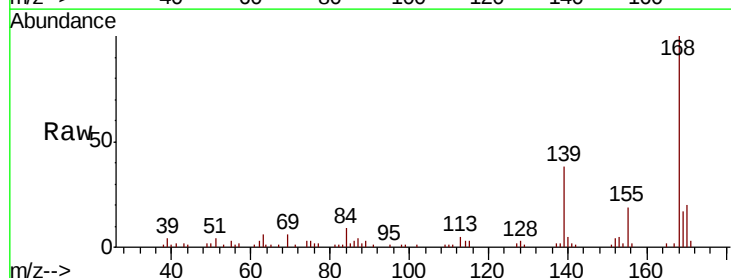
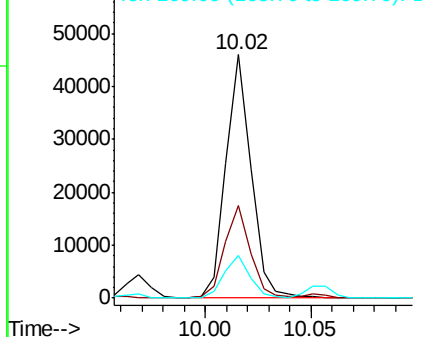
Delta R.T. -0.00 min

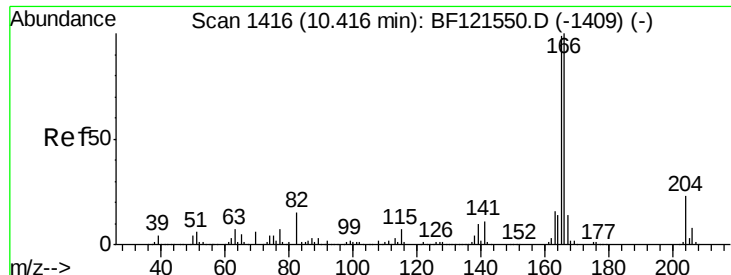
Lab File: BF121784.D

Acq: 1 Oct 2020 23:52

Tgt Ion:	168	Resp:	38065
Ion Ratio	Lower	Upper	
168	100		
139	37.9	31.0	46.6
169	17.4	11.3	16.9#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





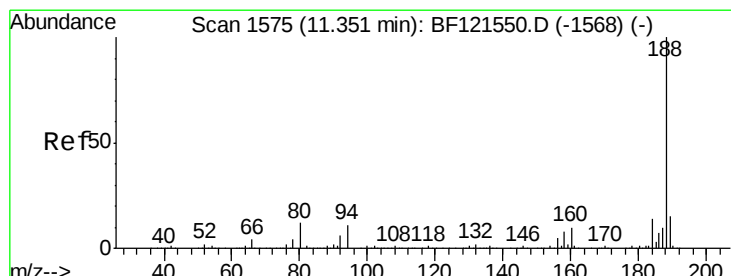
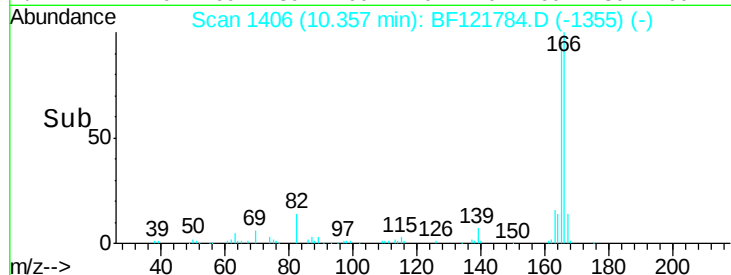
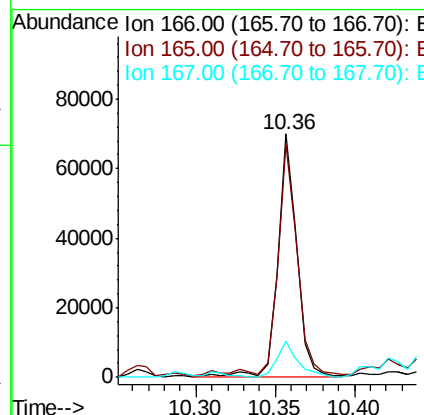
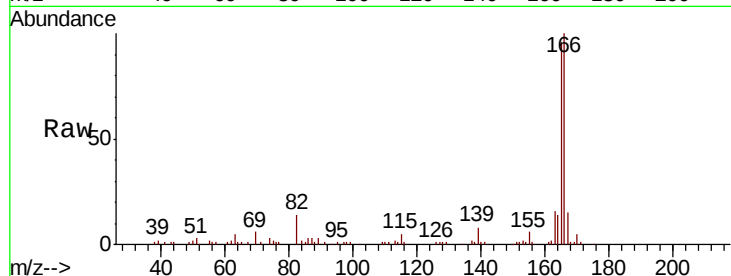
#58
 Fluorene
 Concen: 4.452 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.00 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Instrument :
 BNA_F
 ClientSampleId :
 B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.9	79.1	118.7
167	14.7	11.0	16.6

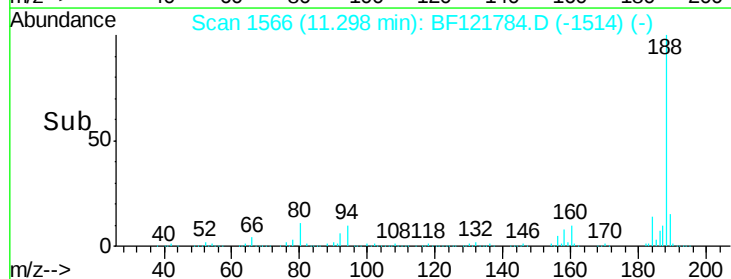
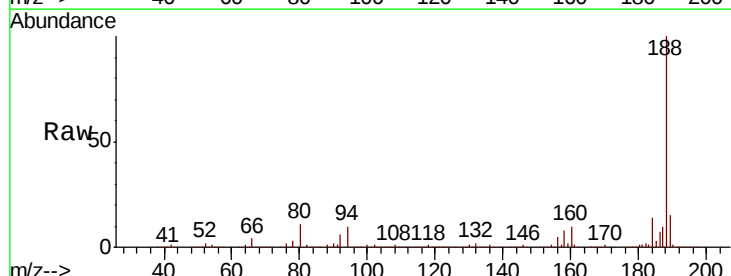
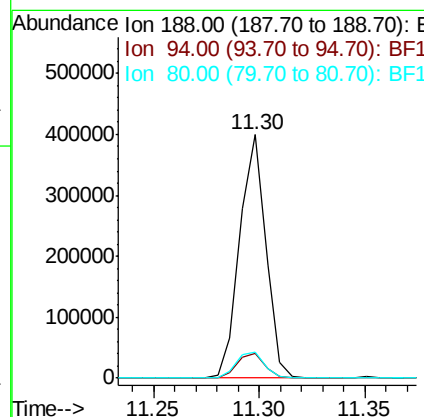
Manual Integrations
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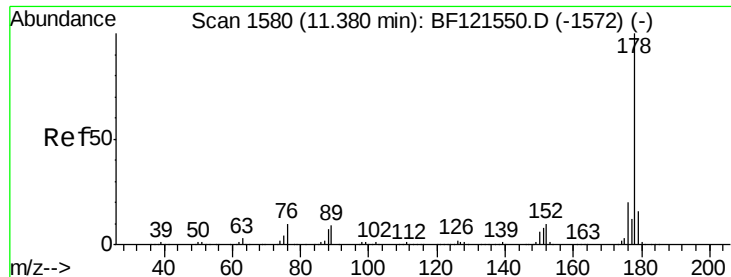
mohammad
 10/2/2020 12:14:06 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	10.7	9.1	13.7





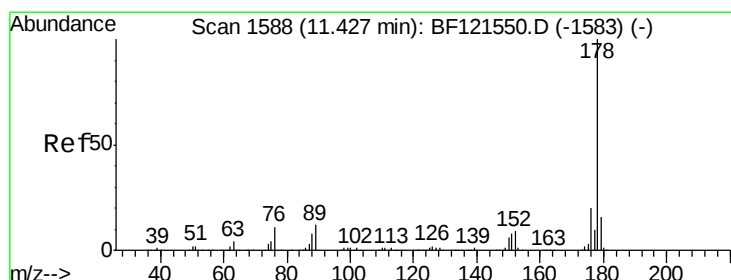
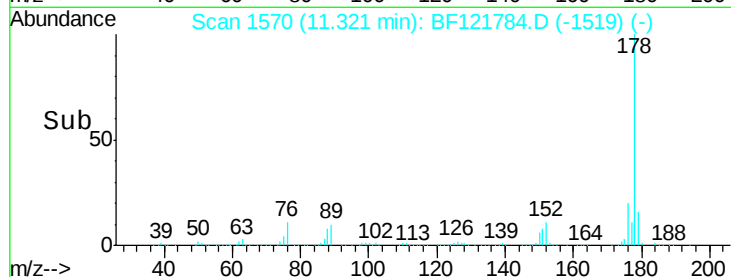
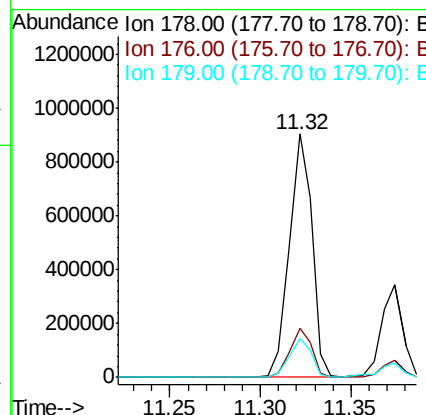
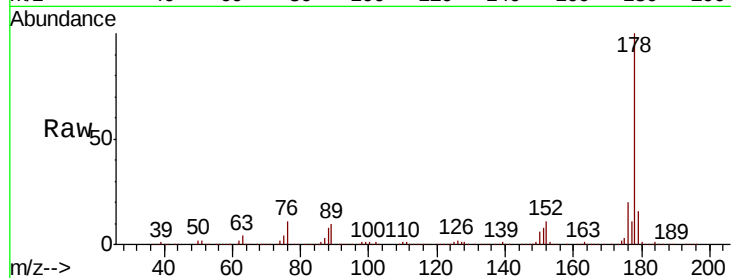
#71
Phenanthrene
Concen: 42.398 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	20.1	15.9	23.9	
179	15.8	12.2	18.4	

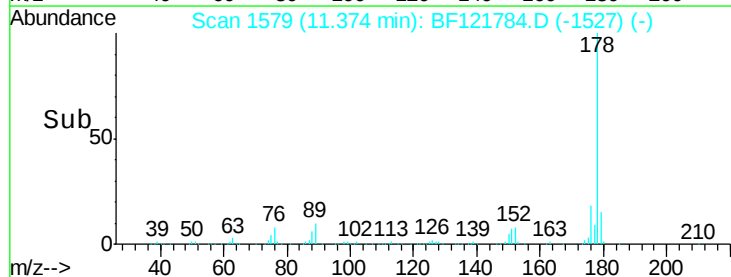
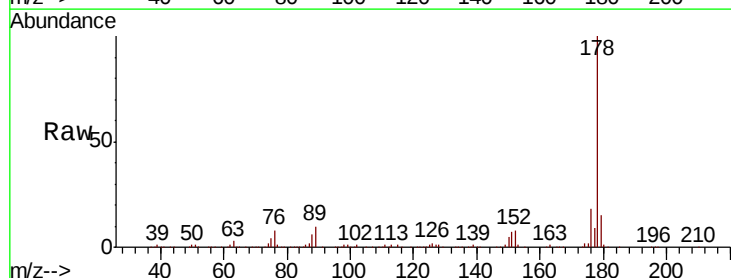
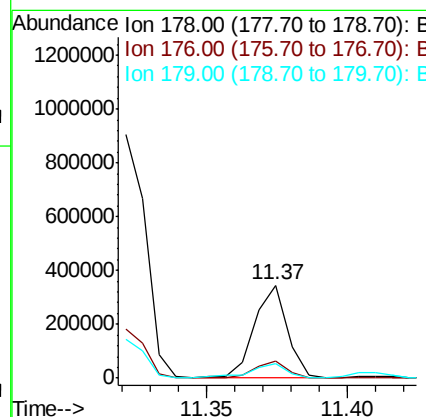
Manual Integrations
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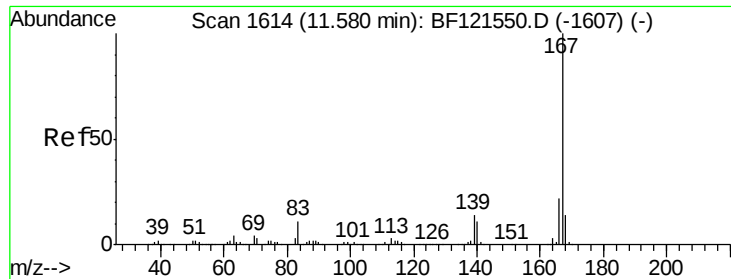
mohammad
10/2/2020 12:14:06 PM



#72
Anthracene
Concen: 14.352 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.3	15.7	23.5	
179	15.2	12.7	19.1	





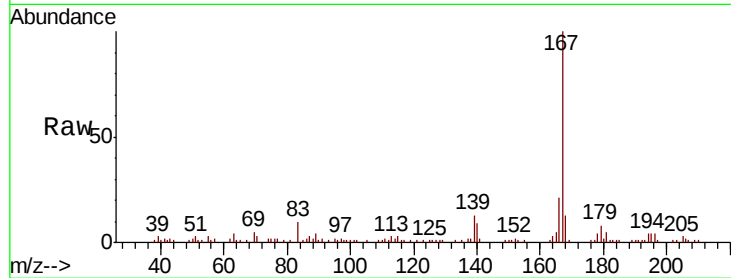
#73
 Carbazole
 Concen: 2.738 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Instrument :
 BNA_F
 ClientSampleId :
 B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.8	26.6
139	13.2	10.8	16.2

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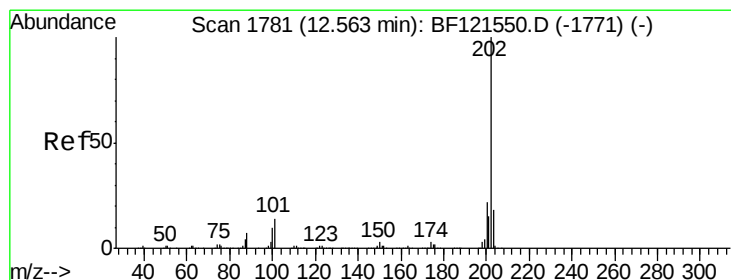
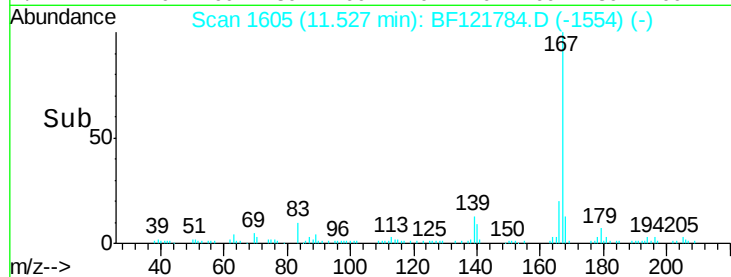
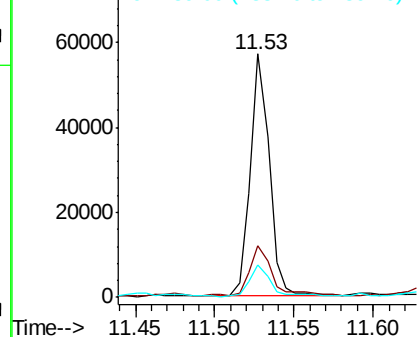


Abundance

Ion 167.00 (166.70 to 167.70): E

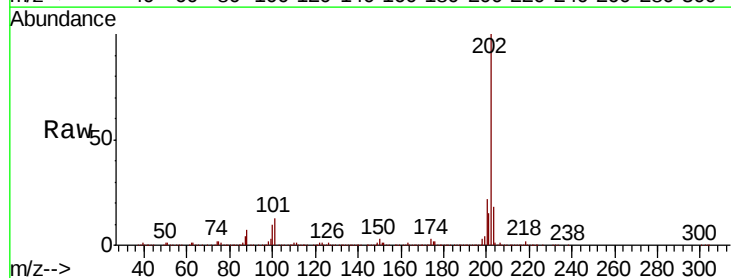
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75
 Fluoranthene
 Concen: 70.755 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.4
203	18.2	0.0	37.9

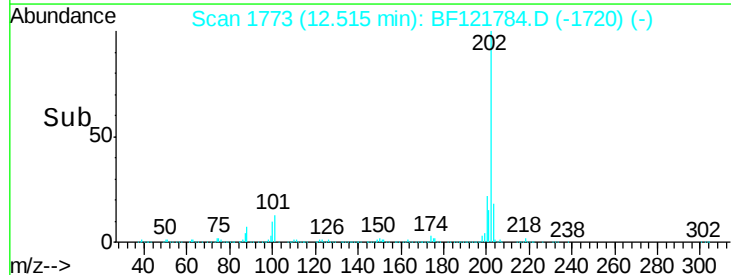
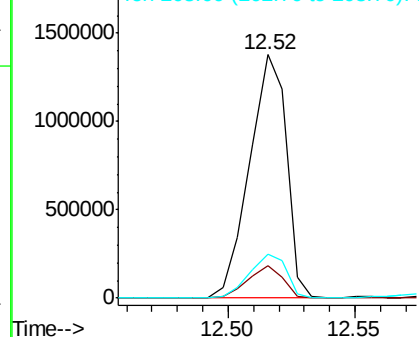


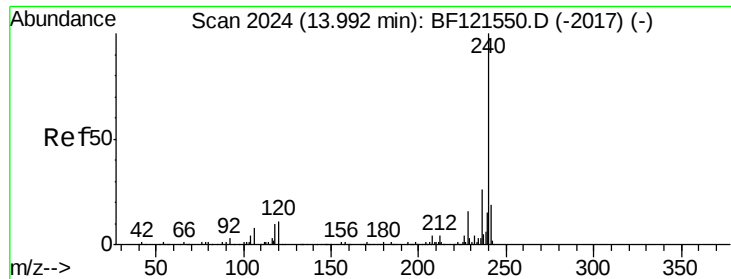
Abundance

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





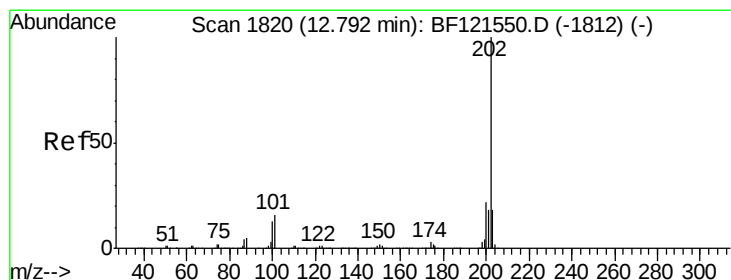
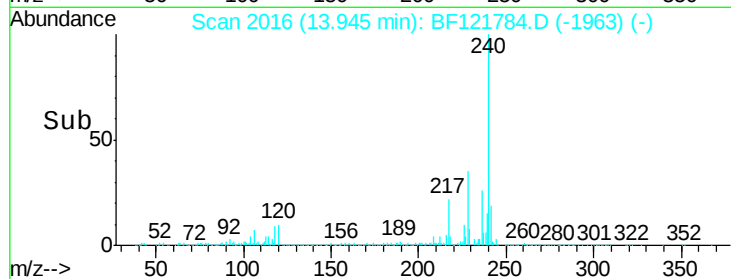
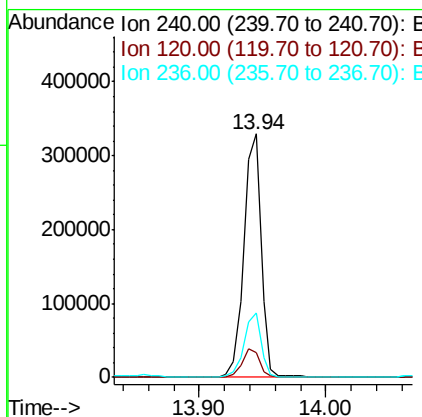
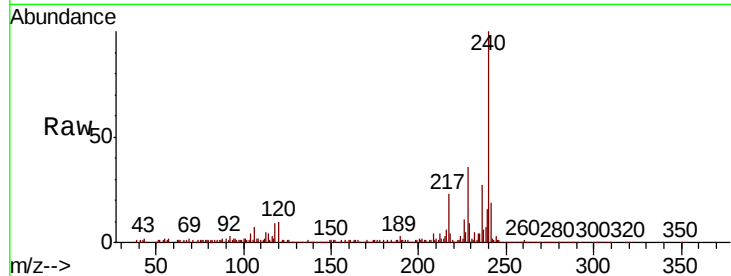
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.2	13.8
236	26.6	20.9	31.3

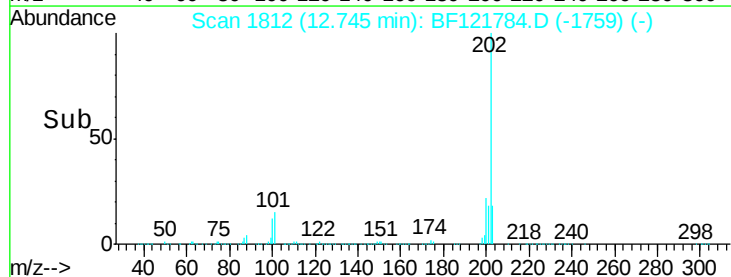
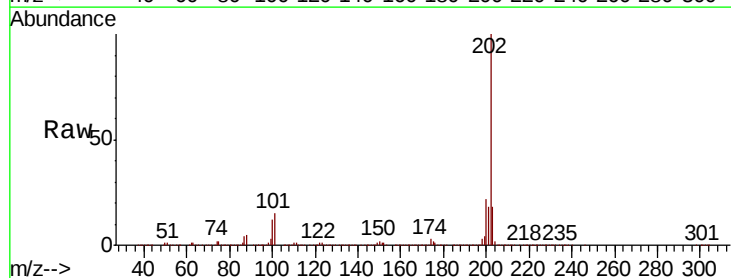
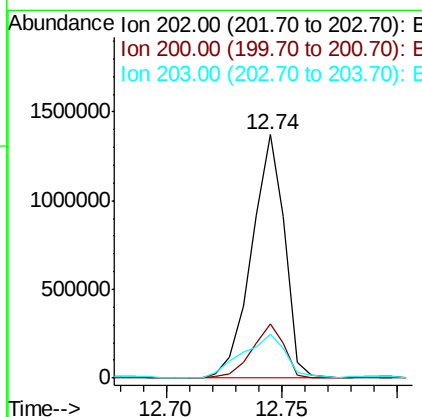
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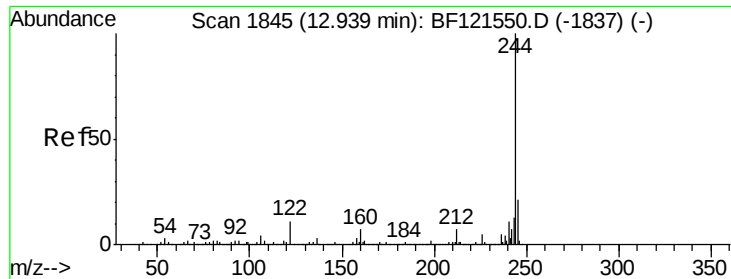
mohammad
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#78
Pyrene
Concen: 60.618 ng
RT: 12.74 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.2	14.6	21.8





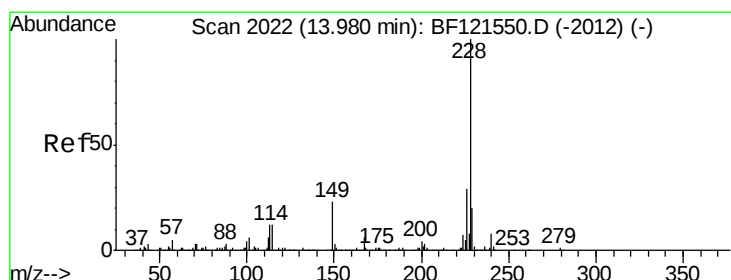
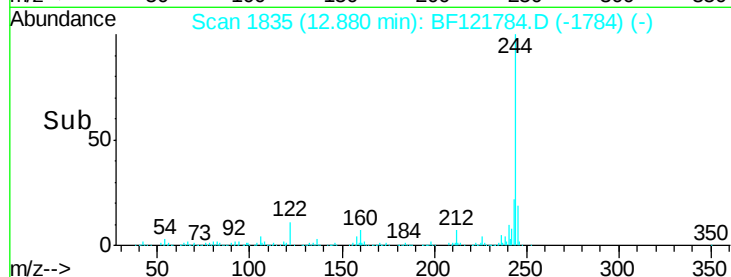
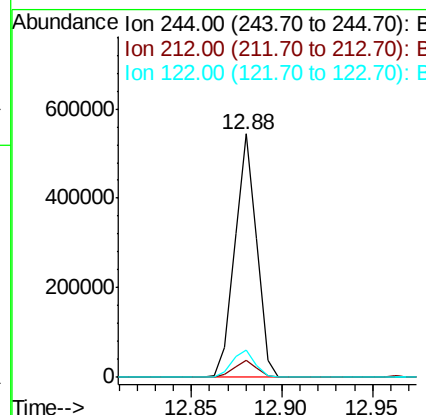
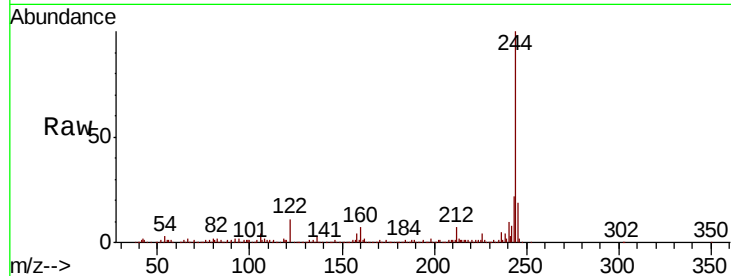
#79
 Terphenyl-d14
 Concen: 29.987 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Instrument :
 BNA_F
 ClientSampleId :
 B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.4	8.1	12.1

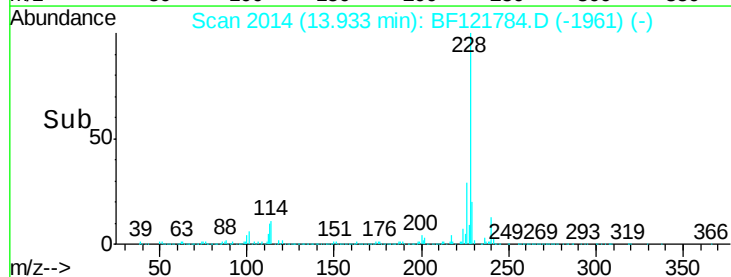
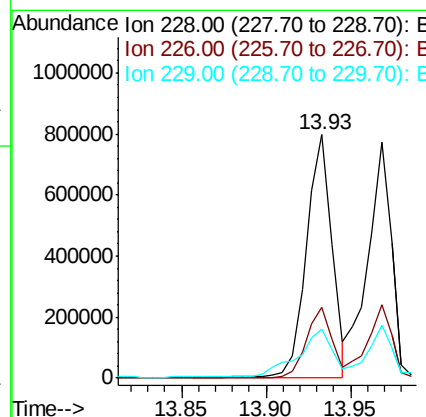
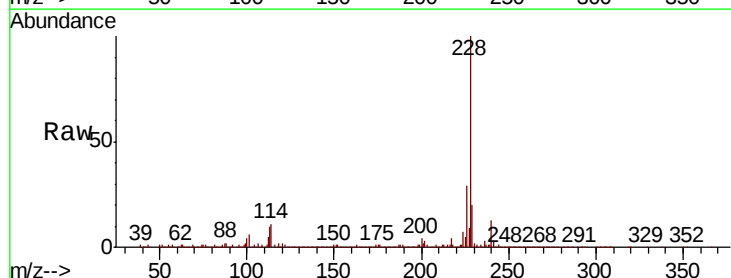
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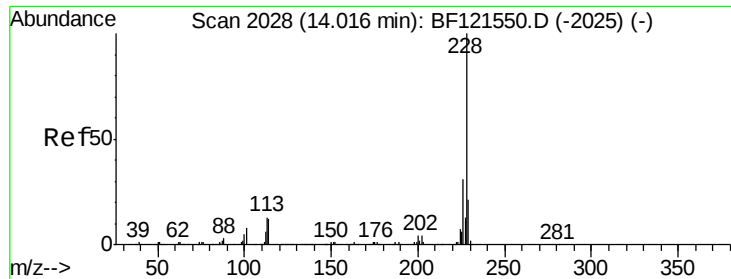
mohammad
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#81
 Benzo(a)anthracene
 Concen: 42.825 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. 0.01 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	20.3	16.2	24.4





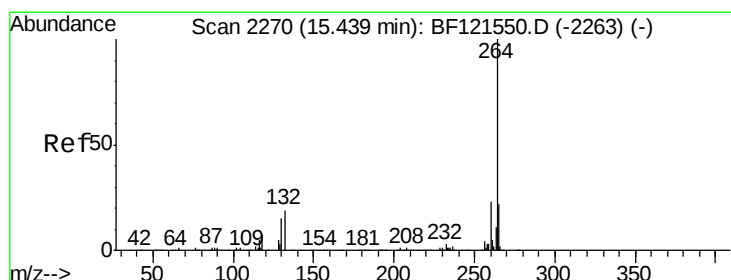
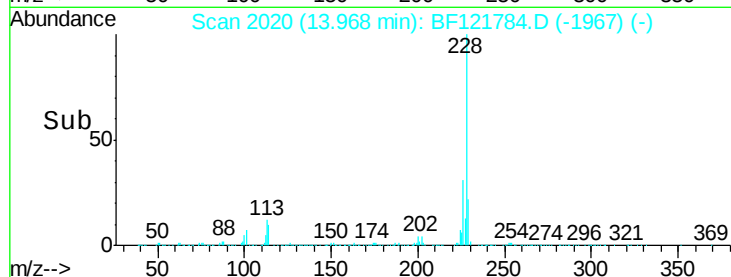
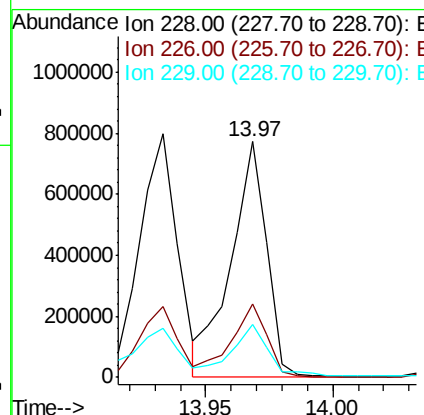
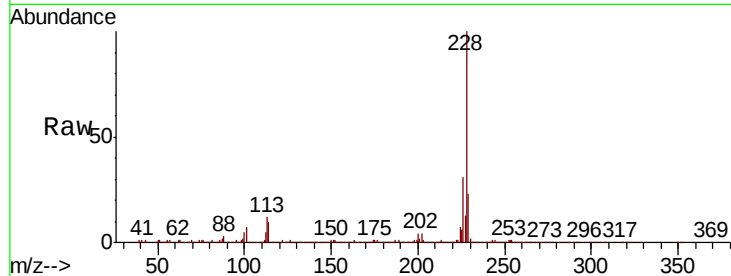
#83
Chrysene
Concen: 38.188 ng/ml
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleID :
B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	22.7	15.9	23.9

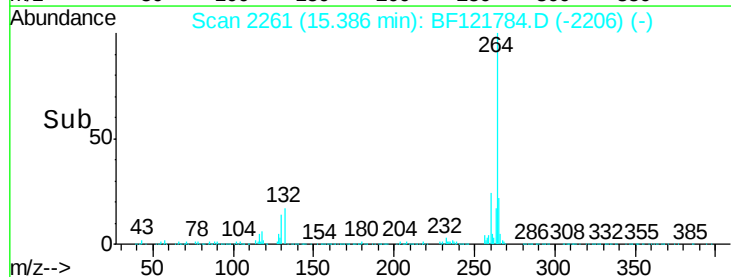
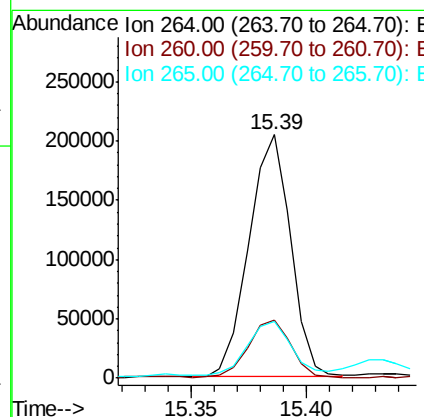
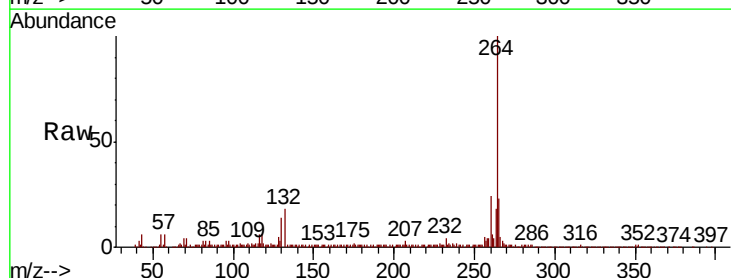
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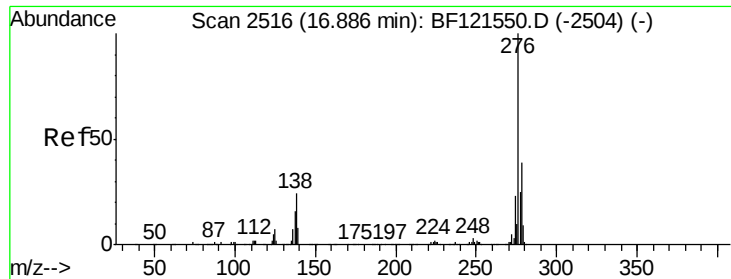
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.02 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	23.1	17.3	25.9





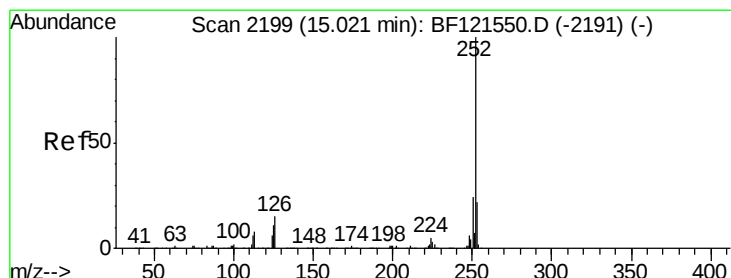
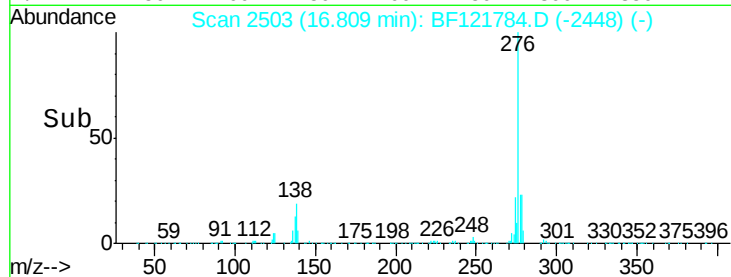
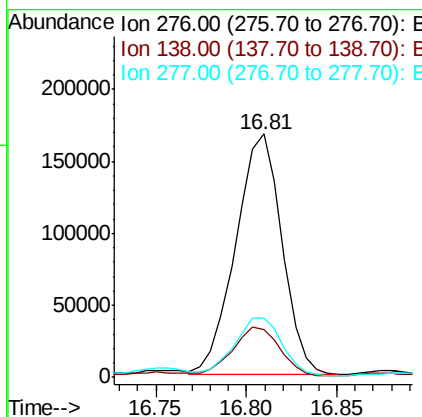
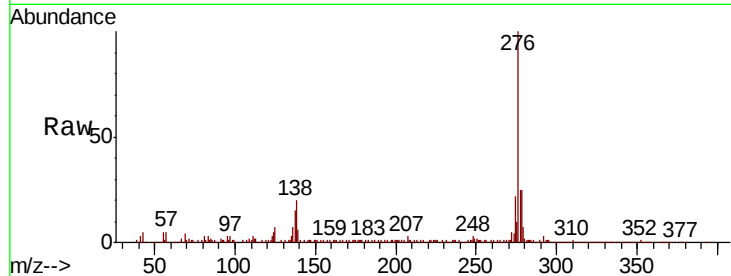
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 17.638 ng
 RT: 16.81 min Scan# 2503
 Delta R.T. 0.02 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Instrument :
 BNA_F
 ClientSampleId :
 B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.9	29.9
277	24.7	20.4	30.6

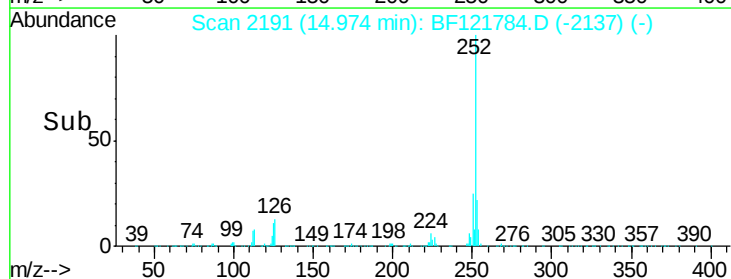
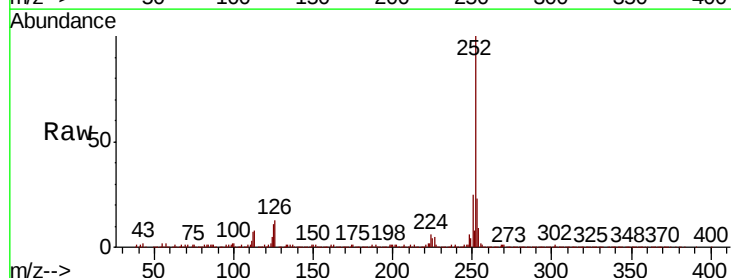
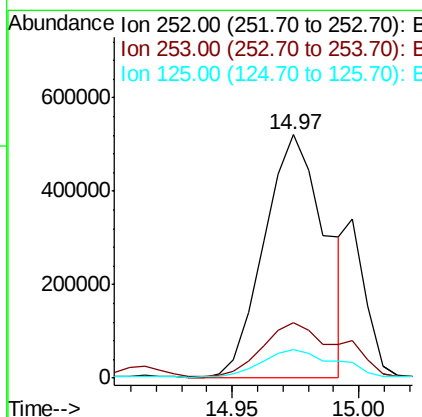
Manual Integrations
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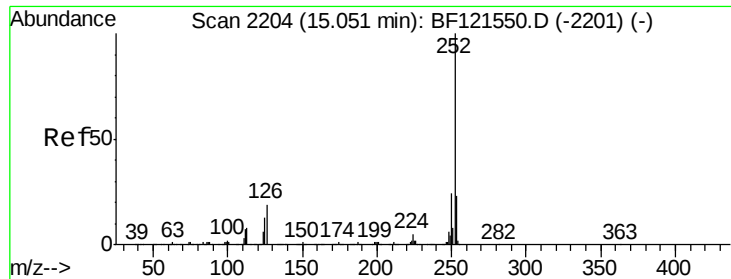
mohammad
 10/2/2020 12:14:06 PM



#88
 Benzo(b)fluoranthene
 Concen: 50.690 ng m
 RT: 14.97 min Scan# 2191
 Delta R.T. 0.02 min
 Lab File: BF121784.D
 Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.5	8.0	12.0





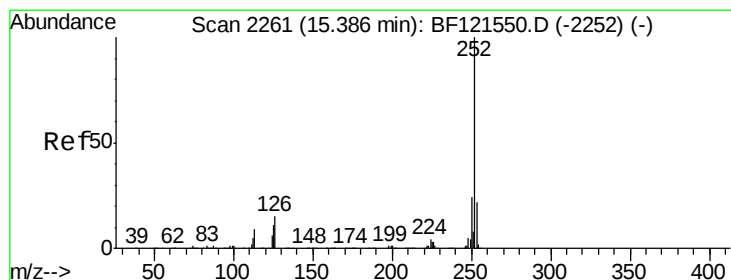
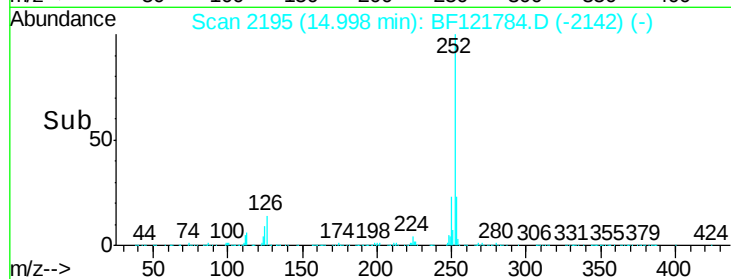
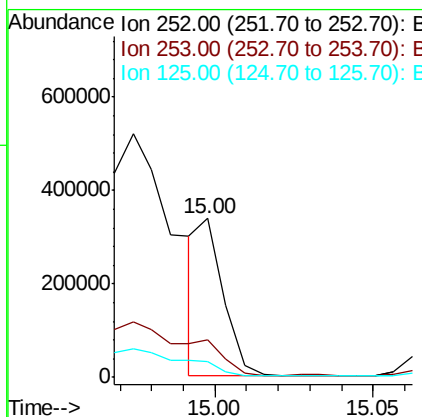
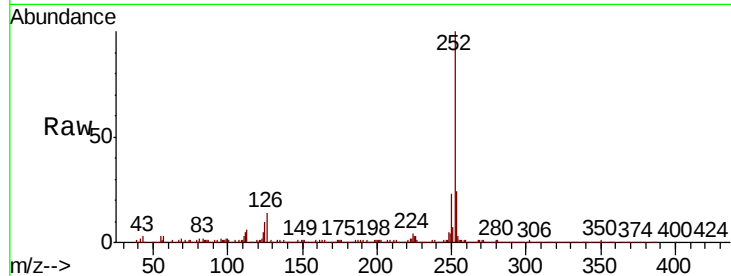
#89
Benzo(k)fluoranthene
Concen: 11.466 ng m
RT: 15.00 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	10.0	7.7	11.5

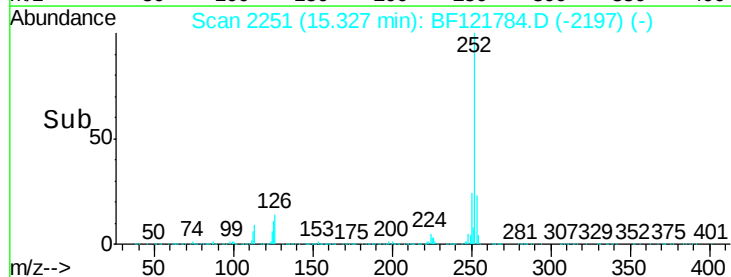
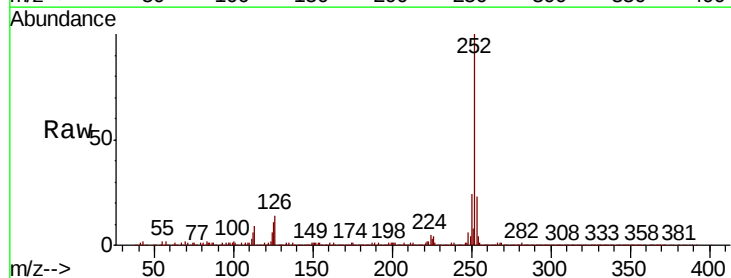
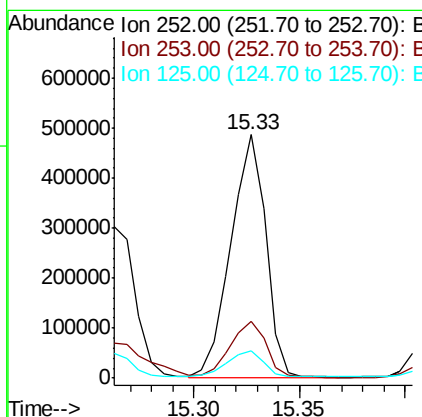
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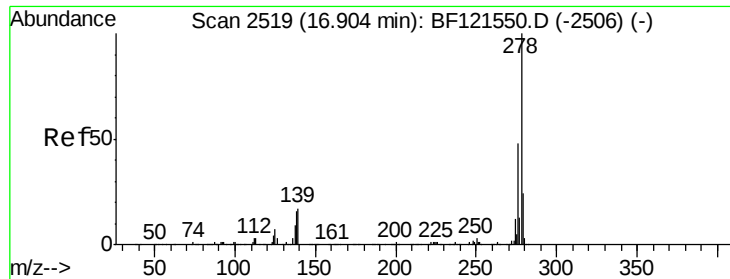
mohammad
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#90
Benzo(a)pyrene
Concen: 38.040 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	11.4	8.6	13.0





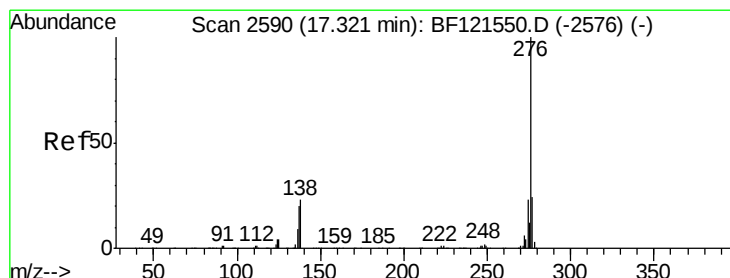
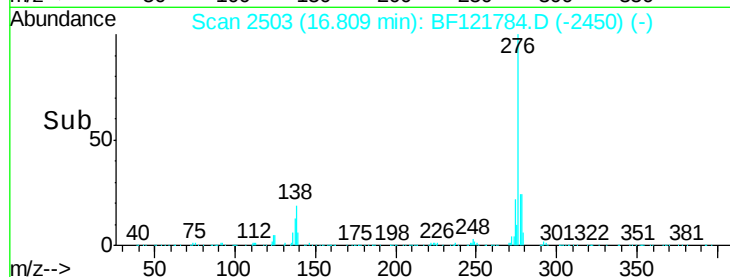
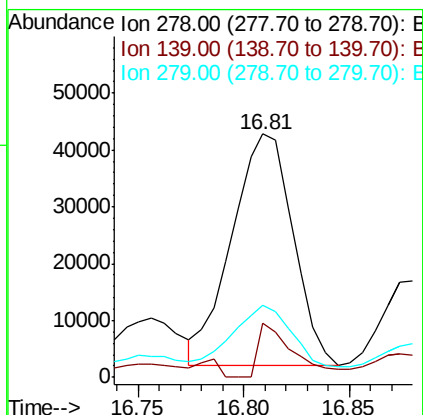
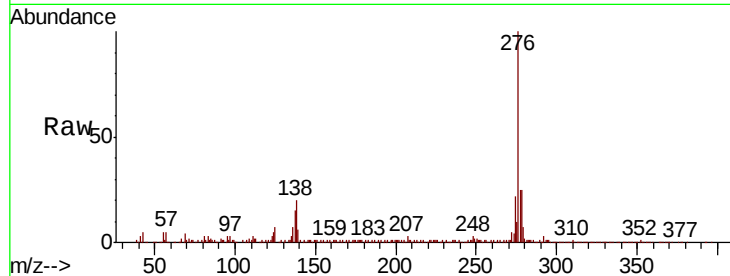
#91
Dibenzo(a,h)anthracene
Concen: 5.849 ng m
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Instrument :
BNA_F
ClientSampleId :
B-14(11-13)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.4	13.0	19.4#
279	29.5	19.0	28.4#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 19.623 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.03 min
Lab File: BF121784.D
Acq: 1 Oct 2020 23:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	21.5	17.8	26.6

