

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121768.D
 Acq On : 1 Oct 2020 15:39
 Operator : JU/CG
 Sample : L4172-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7-9)DL

Manual Integrations
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Quant Time: Oct 01 16:12:21 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	156484	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	599766	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	291633	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	505806	20.00	ng	0.00
76) Chrysene-d12	13.93	240	337416	20.00	ng	0.00
86) Perylene-d12	15.36	264	335184	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	195619	18.58	ng	0.00
7) Phenol-d6	6.40	99	247872	17.94	ng	-0.01
23) Nitrobenzene-d5	7.33	82	158825	14.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	58524	16.15	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	276009	14.33	ng	0.00
79) Terphenyl-d14	12.87	244	206453	12.40	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.07	128	70712	2.233	ng	98
50) Dimethylphthalate	9.52	163	46196	2.186	ng	98
52) Acenaphthene	9.83	154	57819	3.238	ng	98
55) Dibenzofuran	10.01	168	57375	2.282	ng	96
58) Fluorene	10.35	166	71995	3.744	ng	99
71) Phenanthrene	11.32	178	751959	27.286	ng	99
72) Anthracene	11.36	178	195965	6.891	ng	99
73) Carbazole	11.52	167	99539	3.879	ng	98
75) Fluoranthene	12.50	202	845905	28.754	ng	98
78) Pyrene	12.73	202	665385	26.990	ng	99
81) Benzo(a)anthracene	13.92	228	347767	16.291	ng	100
83) Chrysene	13.95	228	273572	12.656	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	175789	8.053	ng	96
88) Benzo(b)fluoranthene	14.95	252	366070m	16.337	ng	
89) Benzo(k)fluoranthene	14.97	252	106019m	5.167	ng	
90) Benzo(a)pyrene	15.30	252	253264	13.297	ng	96
91) Dibenzo(a,h)anthracene	16.78	278	50320	2.769	ng	# 90
92) Benzo(g,h,i)perylene	17.20	276	162658	9.107	ng	100

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

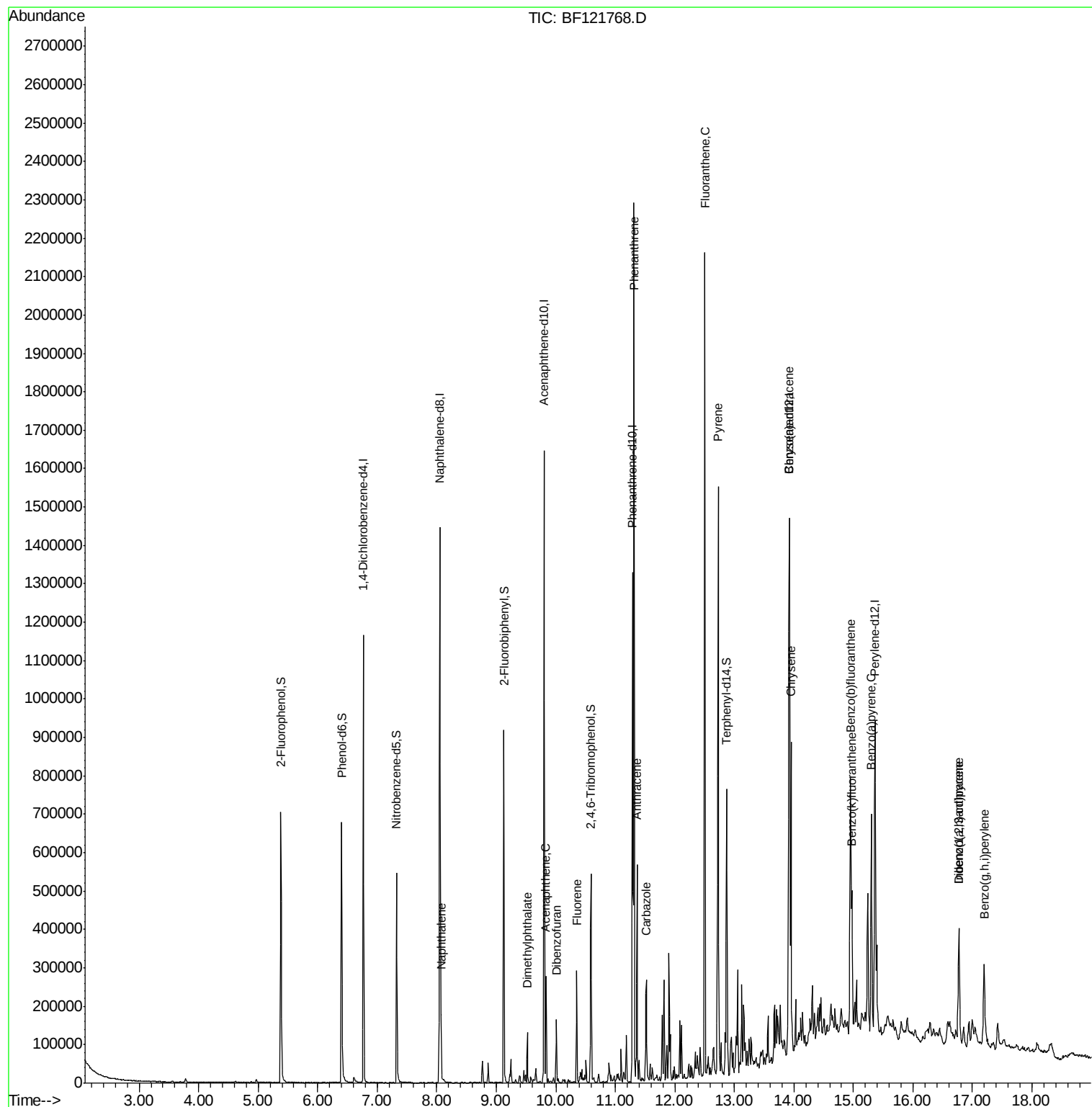
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
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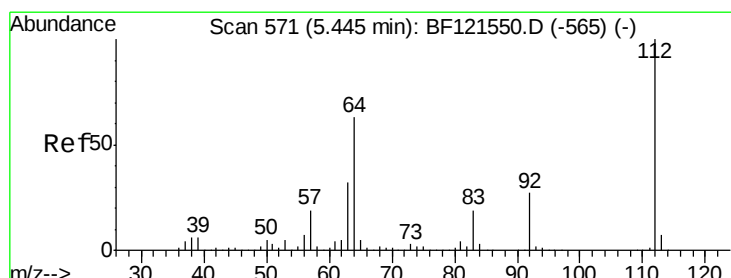
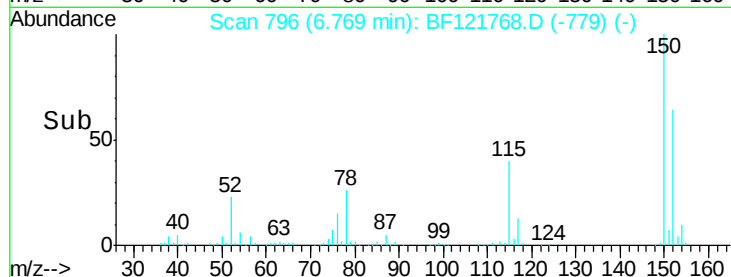
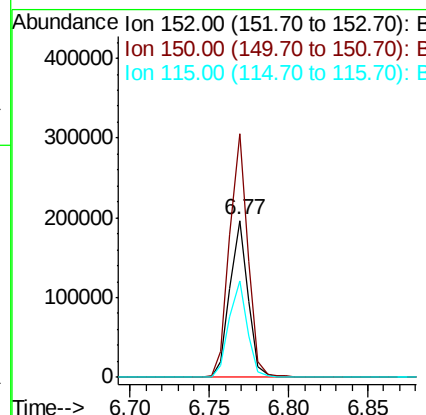
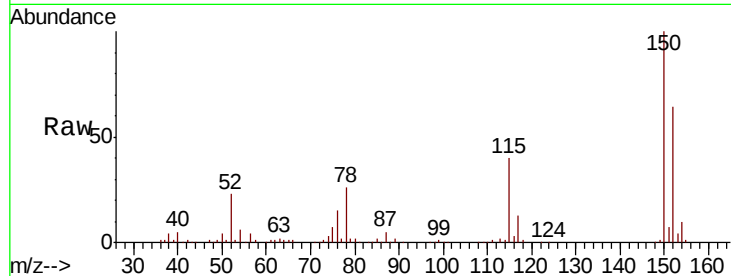
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.3	187.9
115	61.7	51.9	77.9

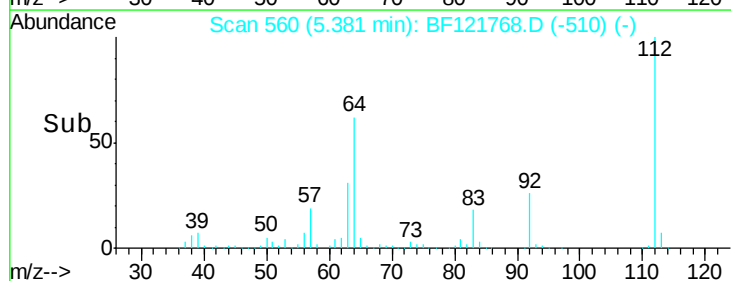
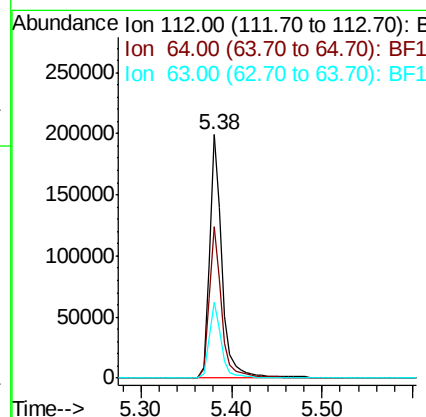
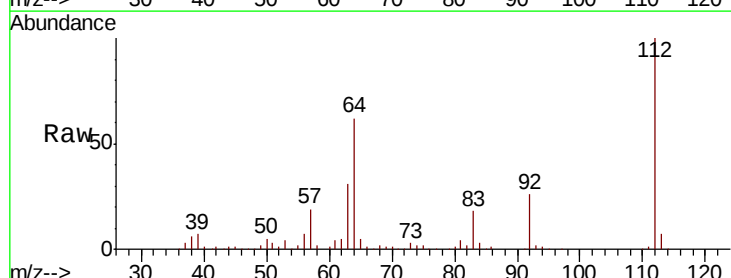
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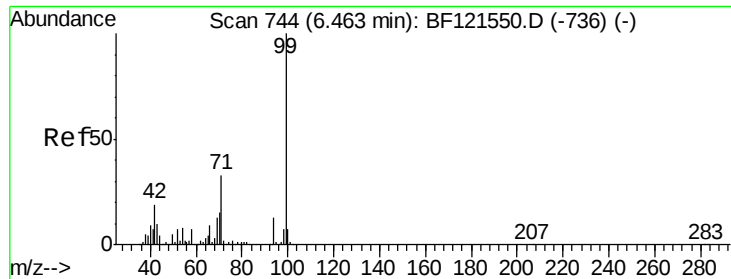
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#5
 2-Fluorophenol
 Concen: 18.578 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.4	75.6
63	31.4	25.8	38.6





#7

Phenol-d6

Concen: 17.943 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA_F

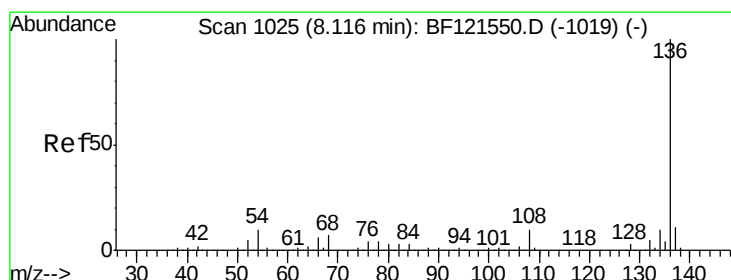
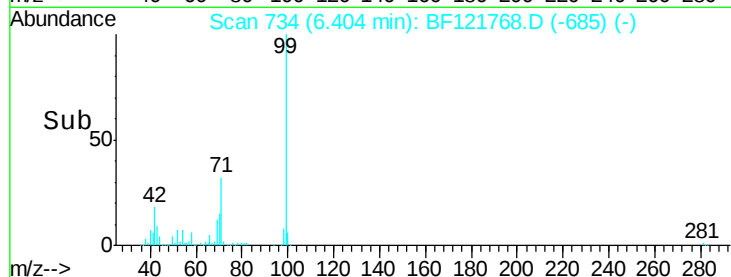
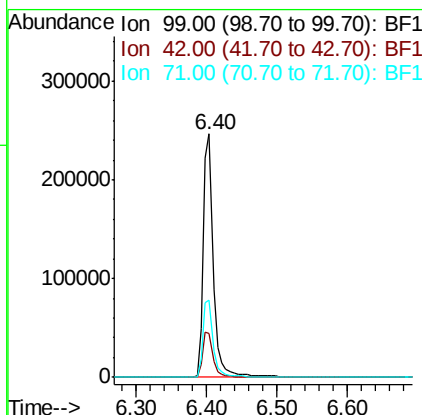
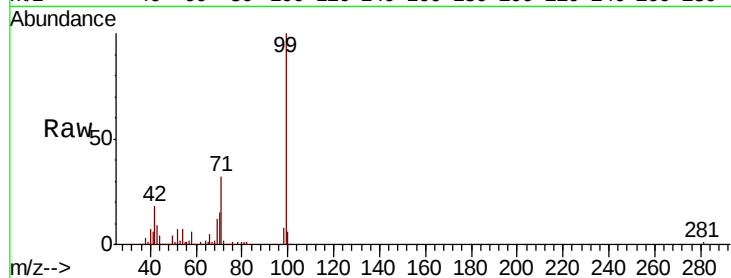
ClientSampleId :

B-6(7-9)DL

Tot Ion:	99	Resp:	247872
Ion Ratio	Lower	Upper	
99	100		
42	17.9	15.9	23.9
71	31.7	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

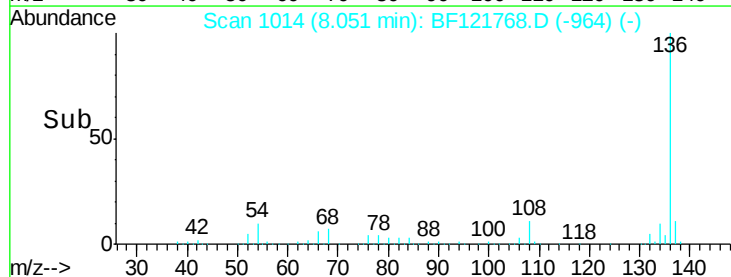
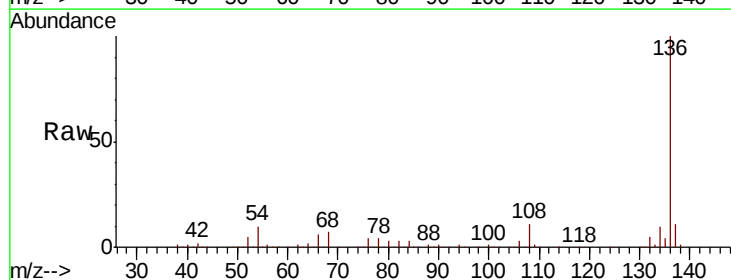
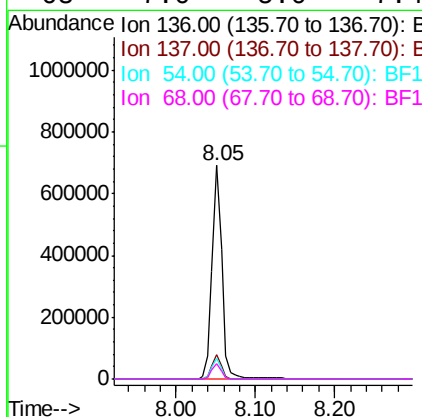
RT: 8.05 min Scan# 1014

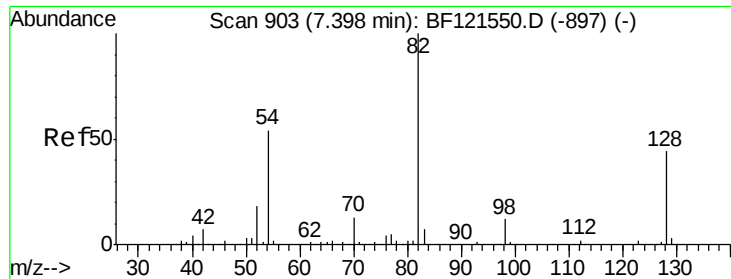
Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Tgt Ion:	136	Resp:	599766
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.6	13.0
54	9.6	7.1	10.7
68	7.0	5.0	7.4





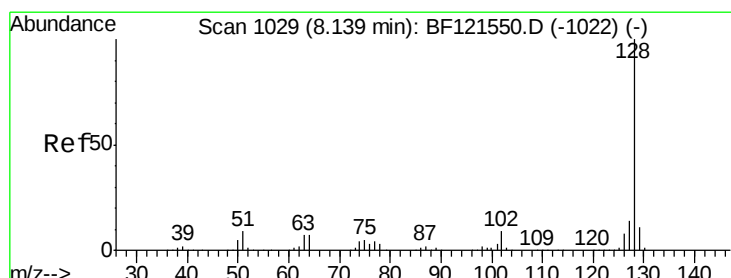
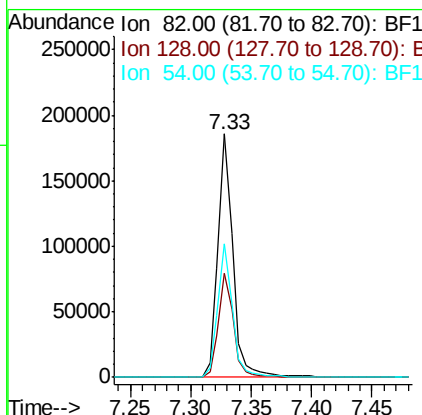
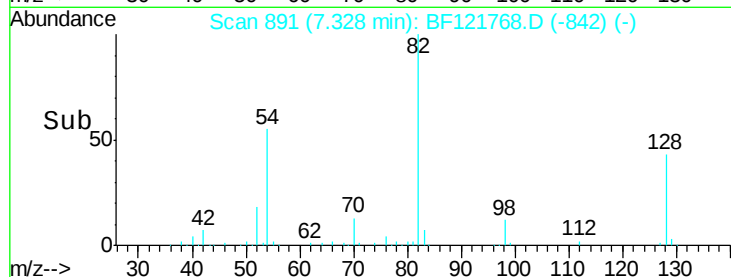
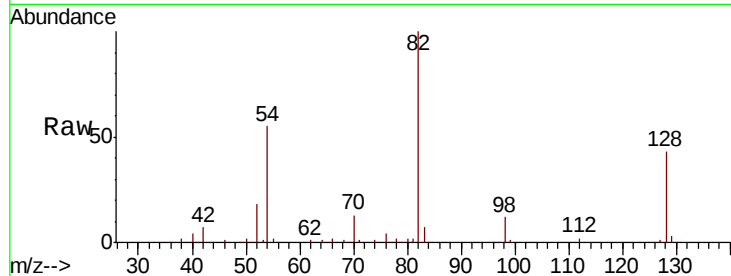
#23
Nitrobenzene-d5
Concen: 14.218 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Instrument :
BNA_F
ClientSampled :
B-6(7-9)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	158825		
128	42.7	35.0	52.4	
54	54.9	43.9	65.9	

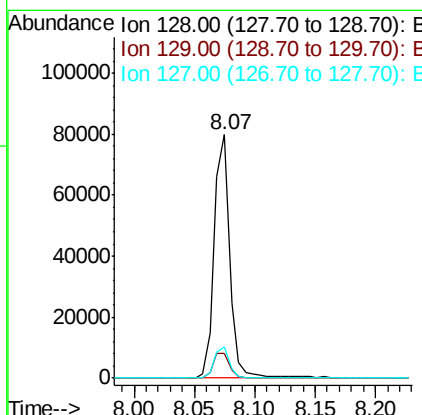
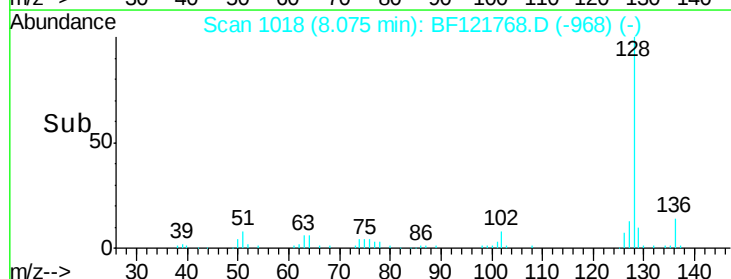
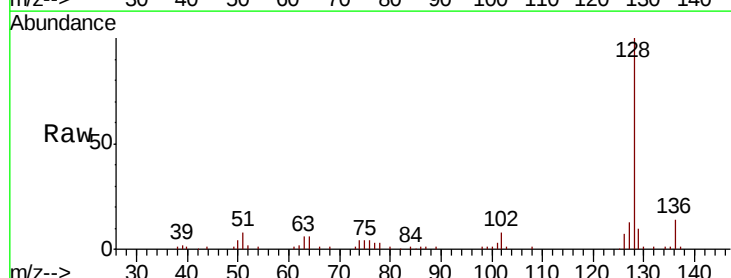
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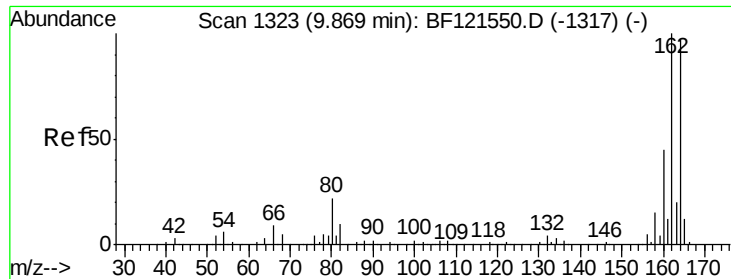
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#31
Naphthalene
Concen: 2.233 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	70712		
129	10.4	8.7	13.1	
127	12.8	10.8	16.2	





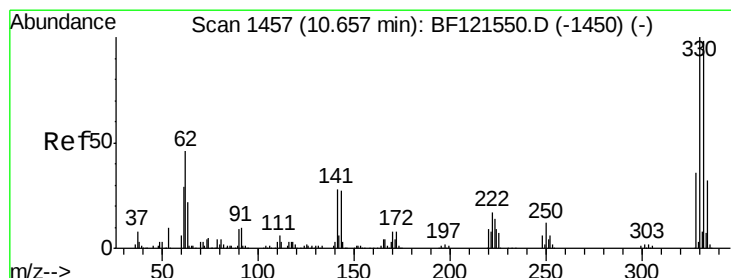
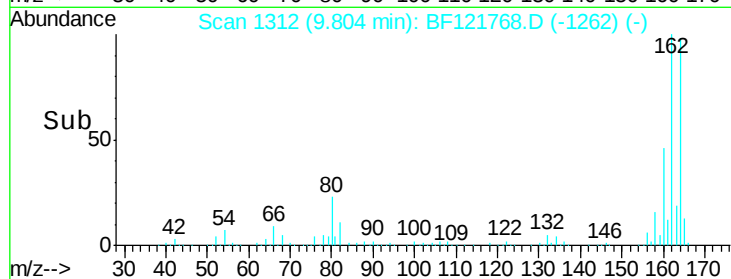
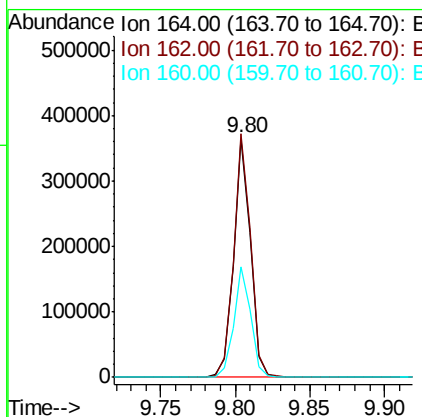
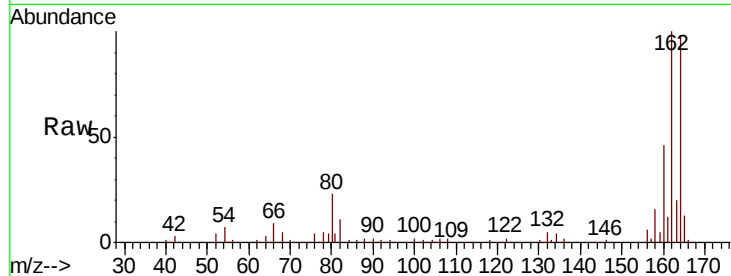
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Instrument :
BNA_F
ClientSampleId :
B-6(7-9)DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	83.2	124.8	
160	46.4	37.5	56.3	

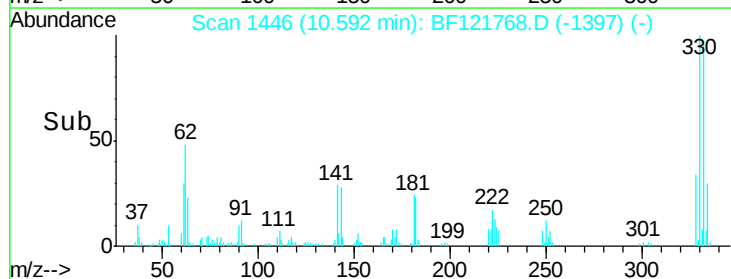
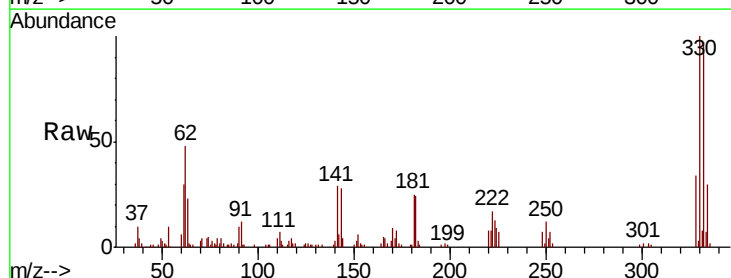
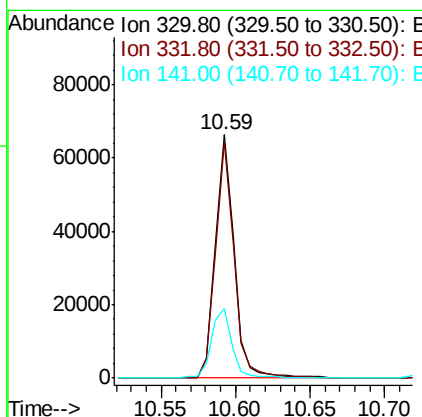
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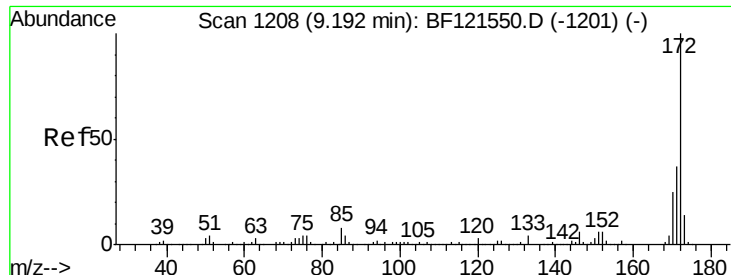
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#42
2,4,6-Tribromophenol
Concen: 16.146 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.3	115.9	
141	31.2	22.3	33.5	





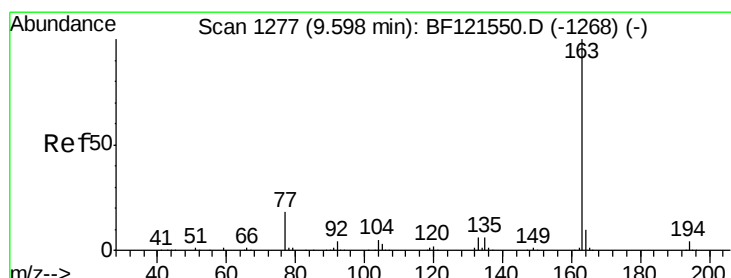
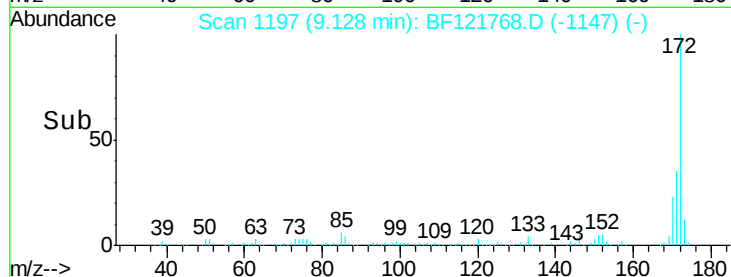
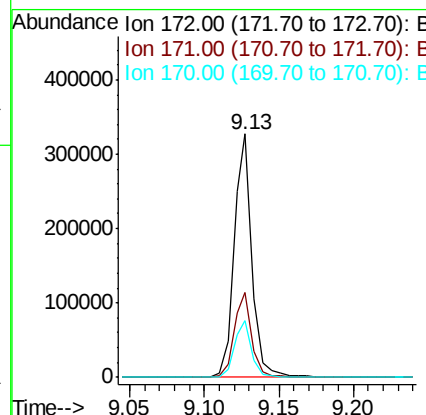
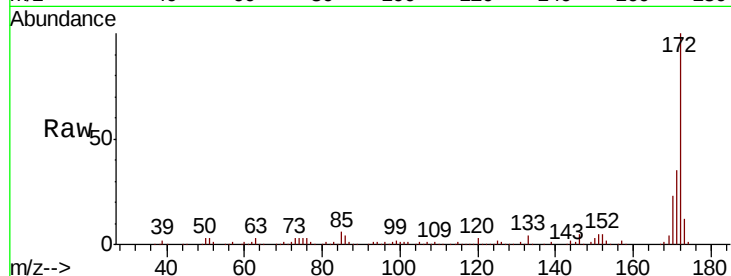
#45
2-Fluorobiphenyl
Concen: 14.334 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Instrument :
BNA_F
ClientSampleId :
B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.1	43.7
170	23.1	19.8	29.6

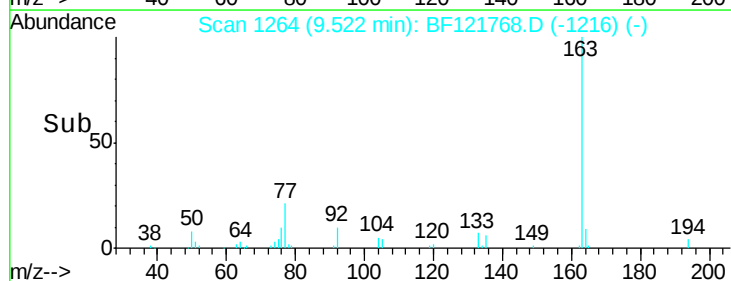
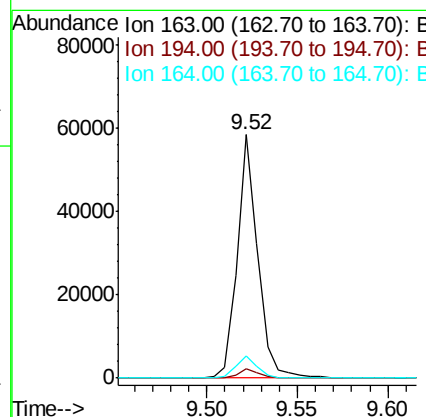
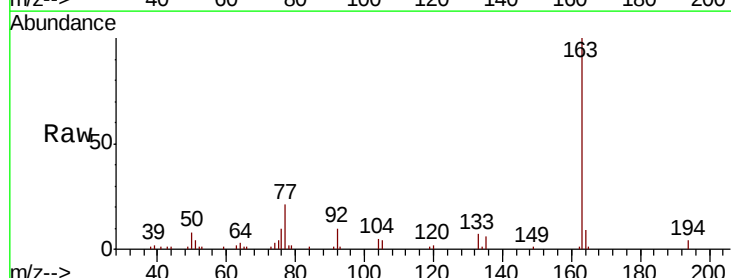
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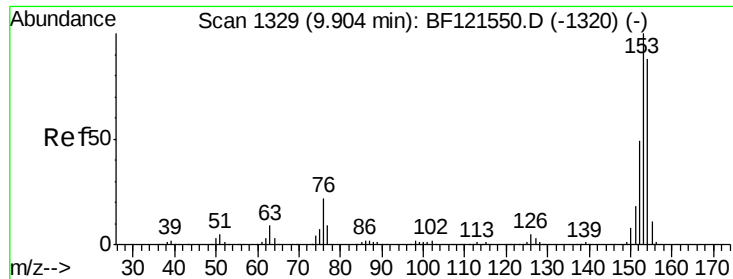
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#50
Dimethylphthalate
Concen: 2.186 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.3	8.2	12.4





#52

Acenaphthene

Concen: 3.238 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA_F

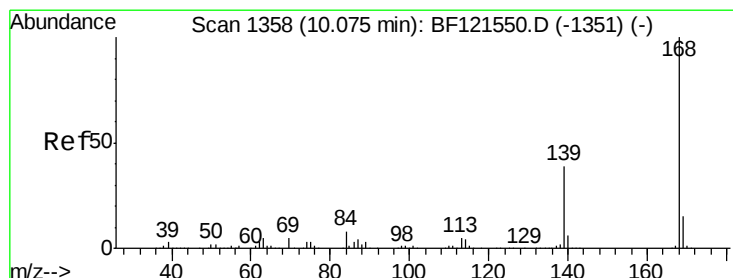
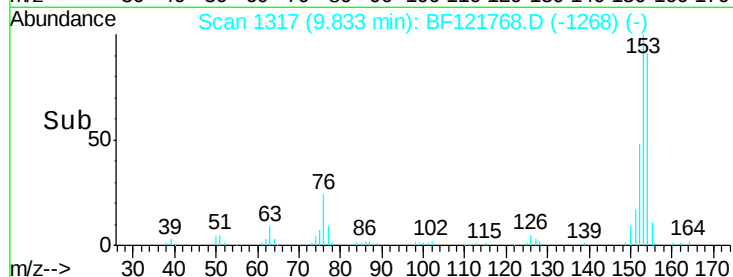
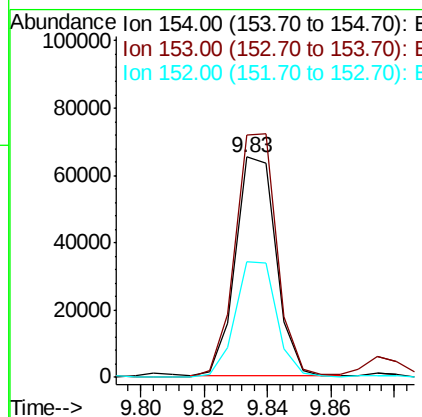
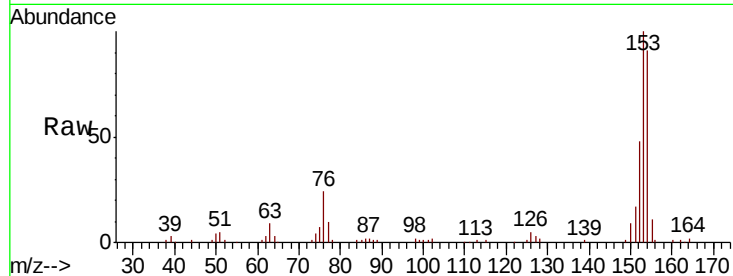
ClientSampleID :

B-6(7-9)DL

Tot Ion:	154	Resp:	57819
Ion Ratio	Lower	Upper	
154	100		
153	109.8	89.8	134.8
152	52.3	43.2	64.8

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#55

Dibenzofuran

Concen: 2.282 ng

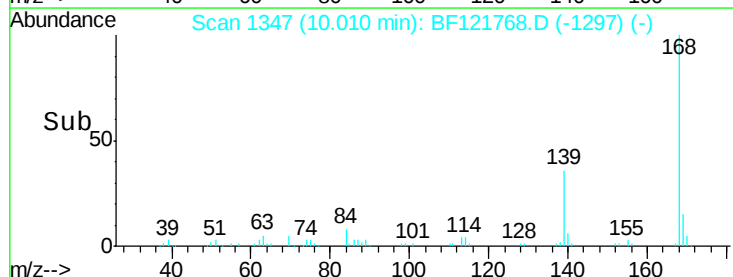
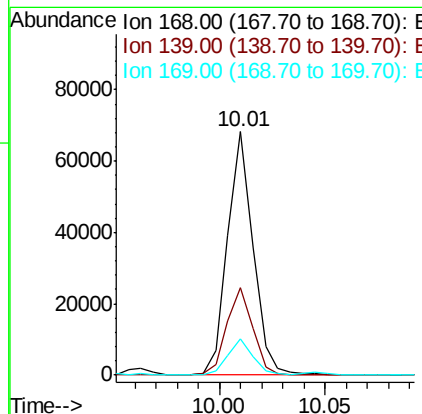
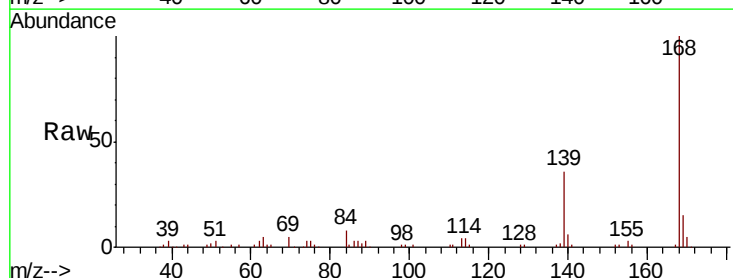
RT: 10.01 min Scan# 1347

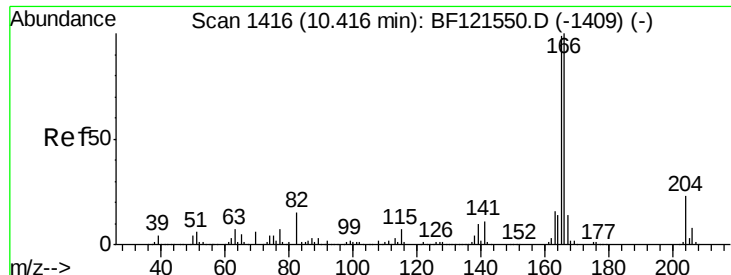
Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Tgt Ion:	168	Resp:	57375
Ion Ratio	Lower	Upper	
168	100		
139	35.9	31.0	46.6
169	15.1	11.3	16.9





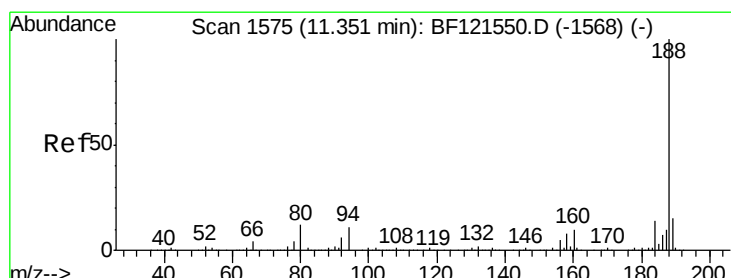
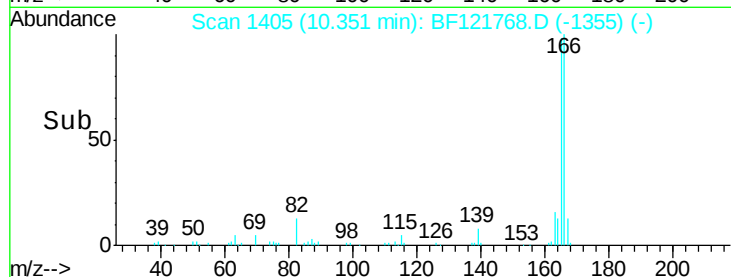
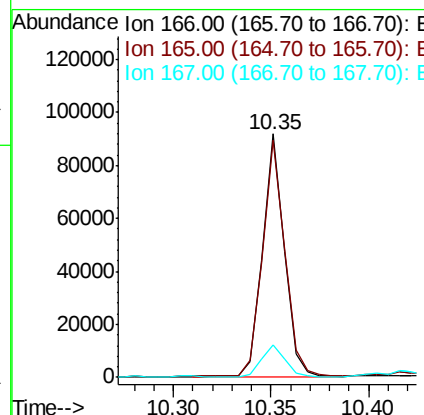
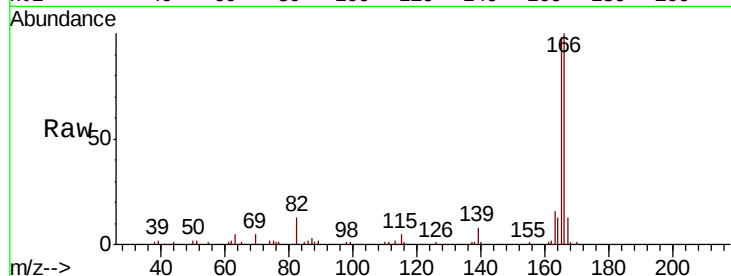
#58
Fluorene
 Concen: 3.744 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.1	118.7
167	13.4	11.0	16.6

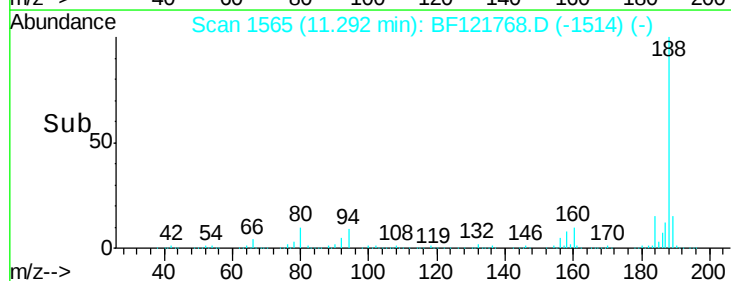
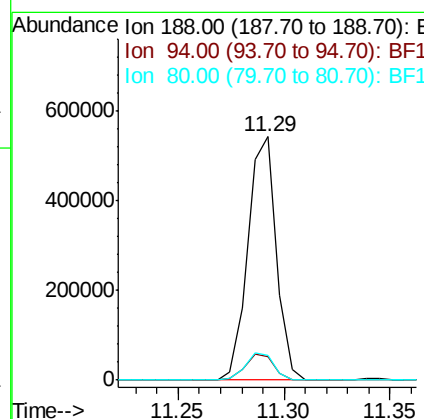
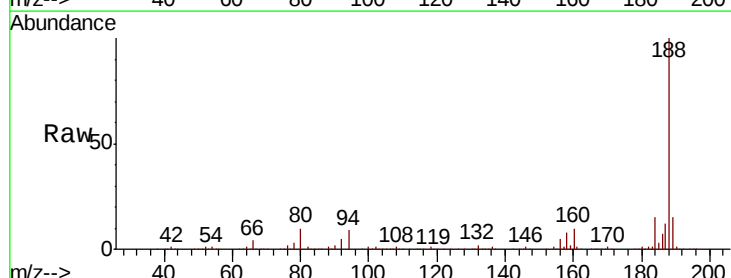
Manual Integrations
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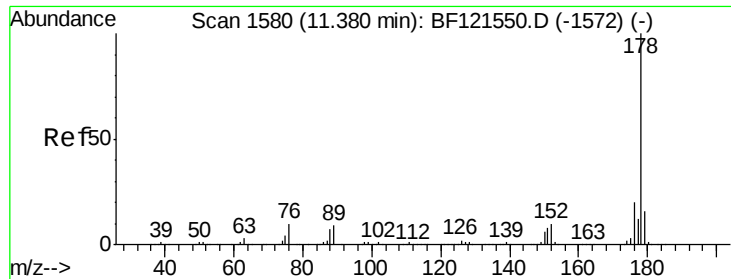
mohammad
 10/2/2020 12:13:18 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.3	12.5
80	10.3	9.1	13.7





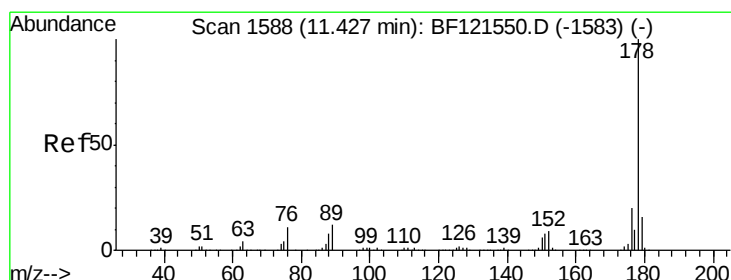
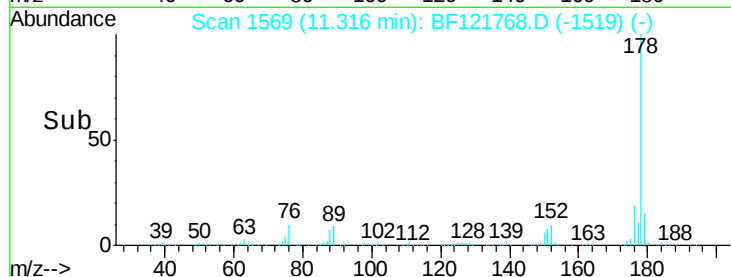
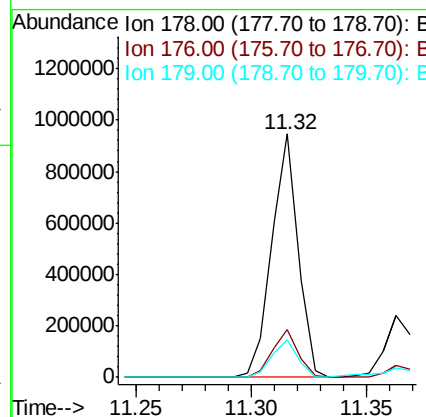
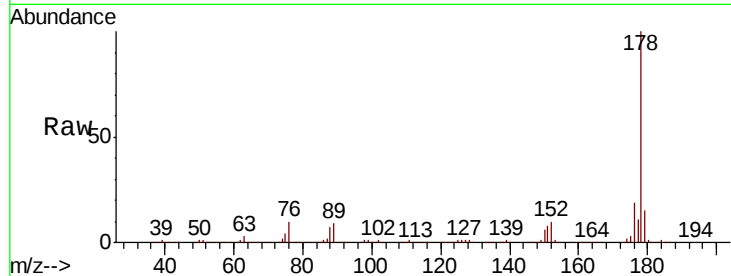
#71
Phenanthrene
Concen: 27.286 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Instrument :
BNA_F
ClientSampleId :
B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.5	12.2	18.4

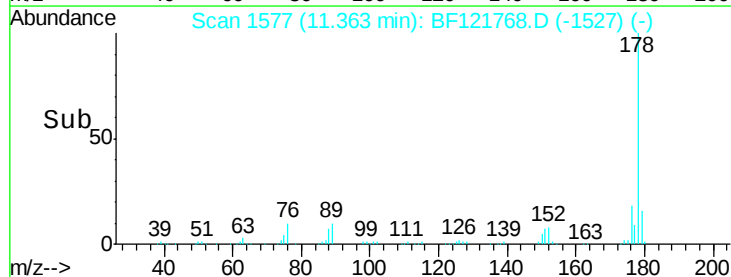
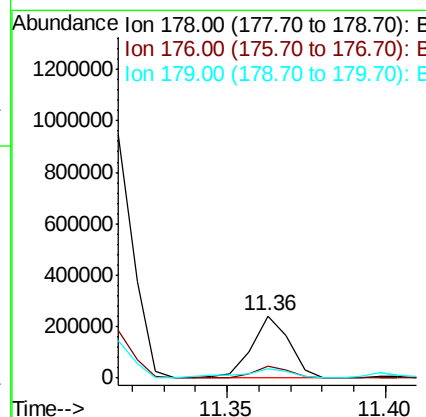
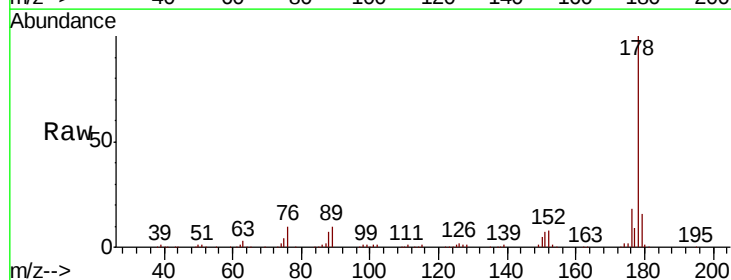
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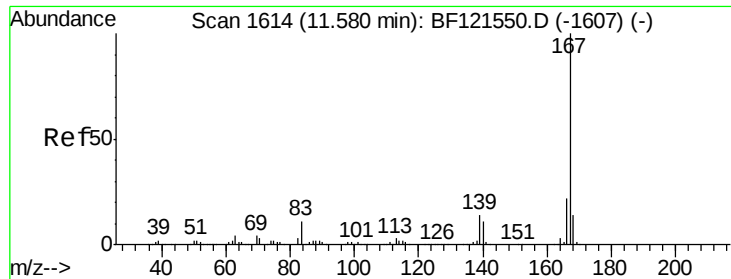
mohammad
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#72
Anthracene
Concen: 6.891 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.7	23.5
179	15.8	12.7	19.1





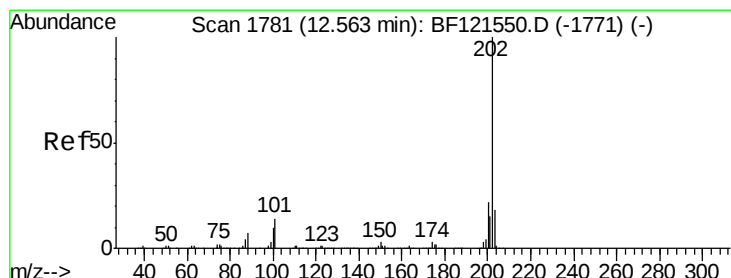
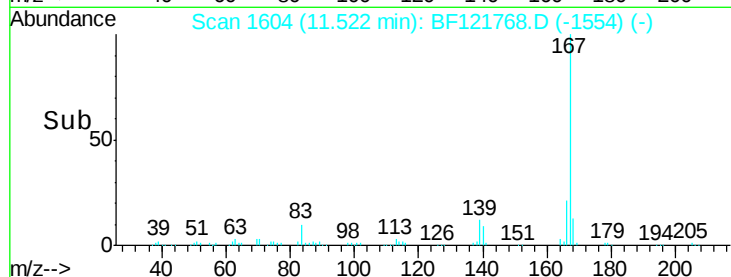
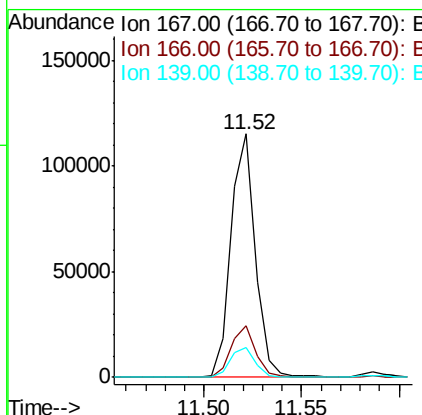
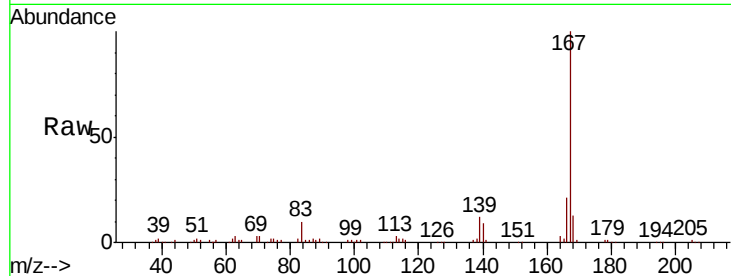
#73
 Carbazole
 Concen: 3.879 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.8	26.6
139	12.5	10.8	16.2

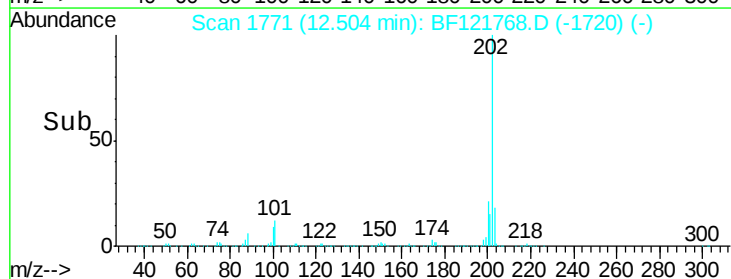
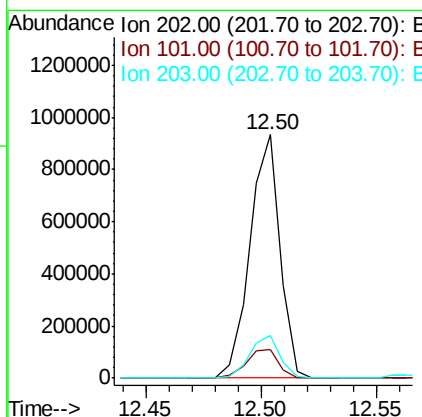
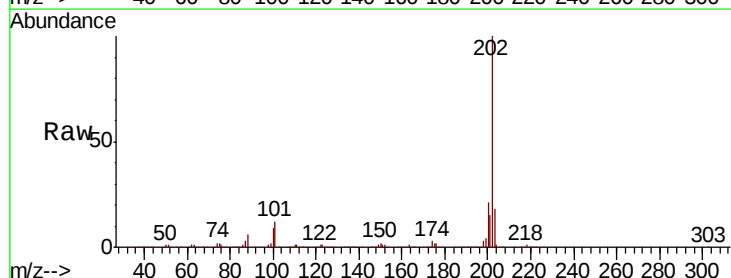
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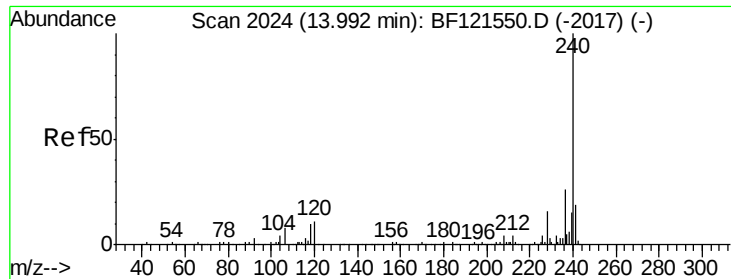
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#75
 Fluoranthene
 Concen: 28.754 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.4
203	17.7	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA_F

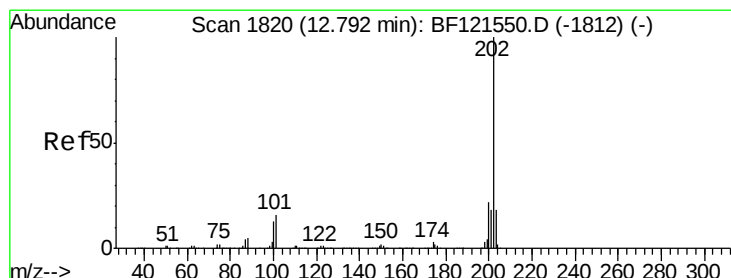
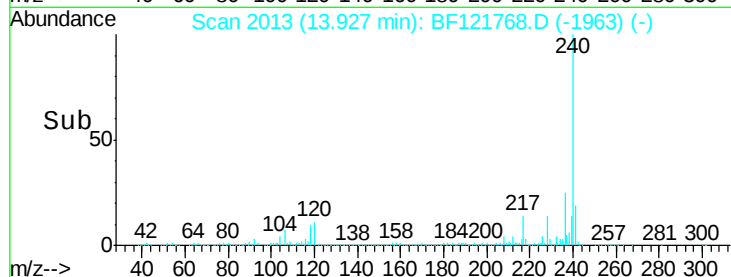
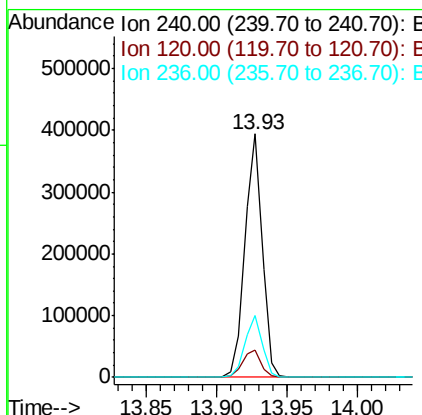
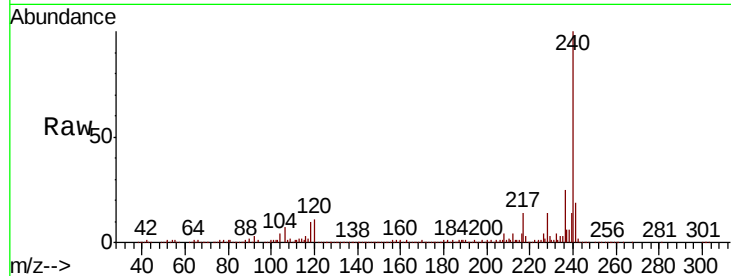
ClientSampleID :

B-6(7-9)DL

Tot Ion:	240	Resp:	337416
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.2	13.8
236	25.5	20.9	31.3

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#78

Pyrene

Concen: 26.990 ng

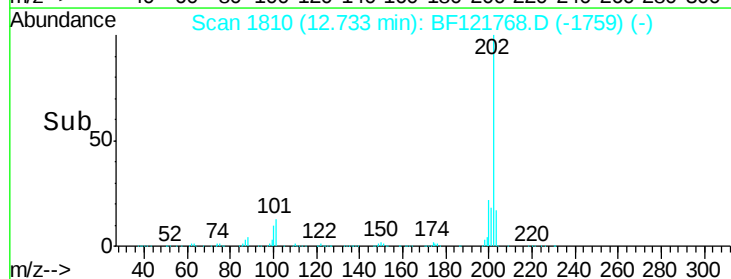
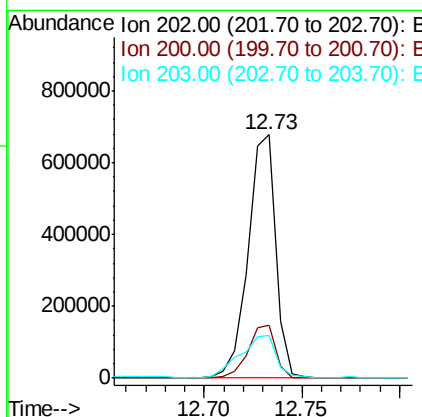
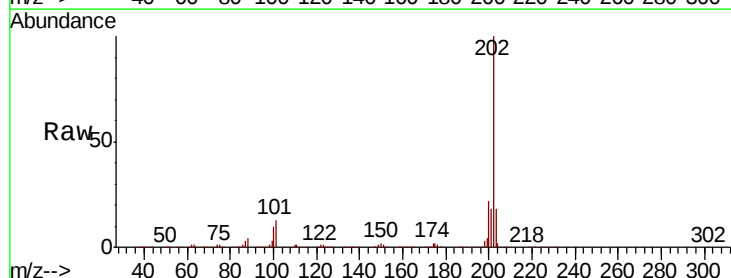
RT: 12.73 min Scan# 1810

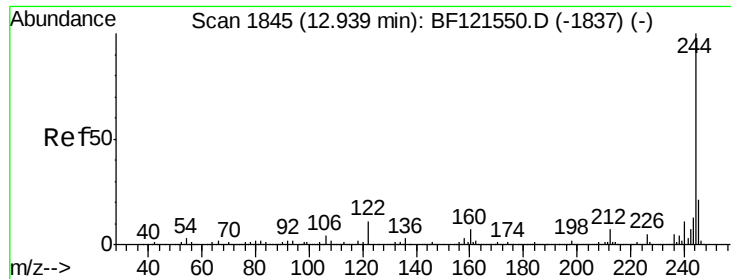
Delta R.T. 0.00 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Tgt Ion:	202	Resp:	665385
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.8	14.6	21.8





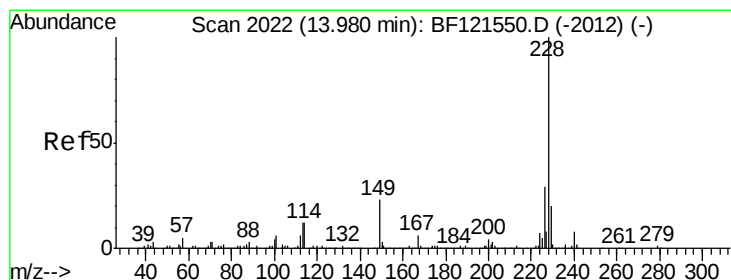
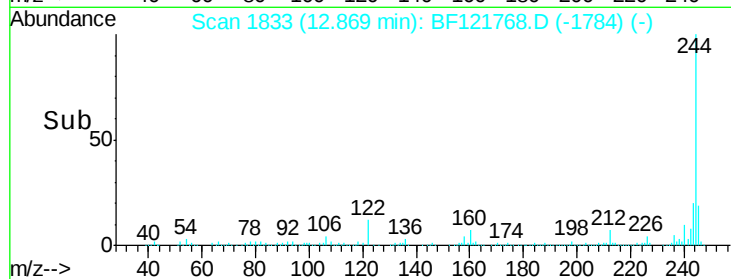
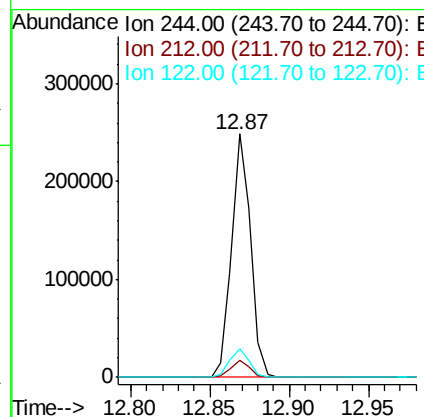
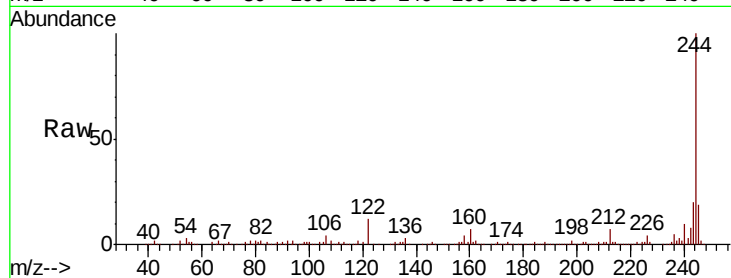
#79
 Terphenyl-d14
 Concen: 12.396 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.9	8.1	12.1

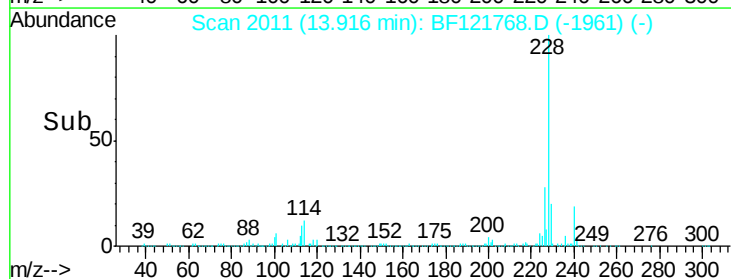
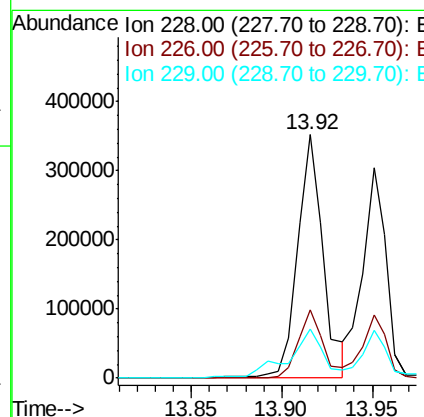
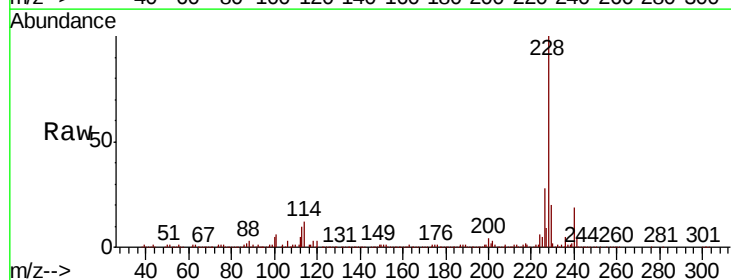
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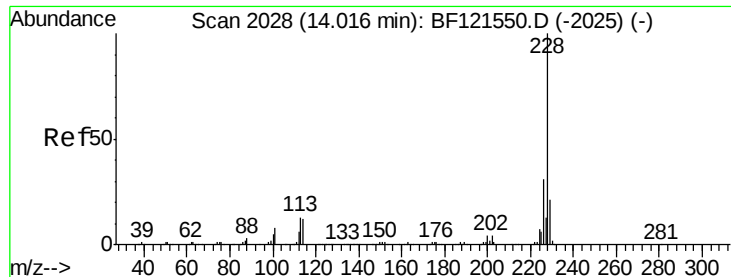
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#81
 Benzo(a)anthracene
 Concen: 16.291 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.3	33.5
229	19.9	16.2	24.4





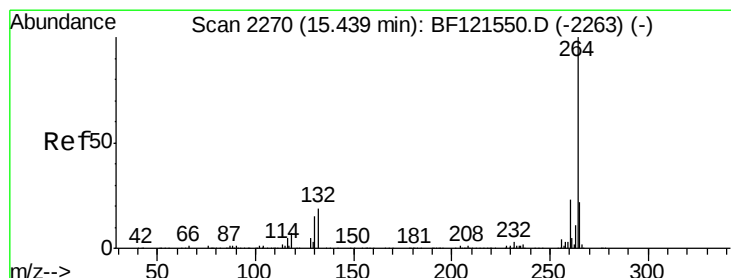
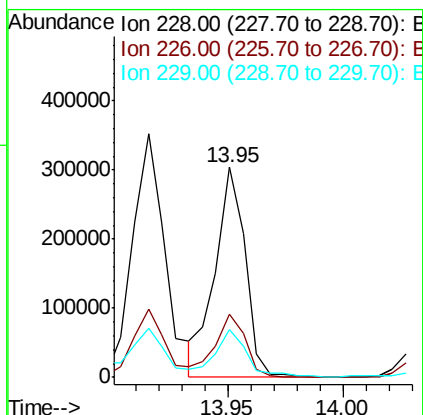
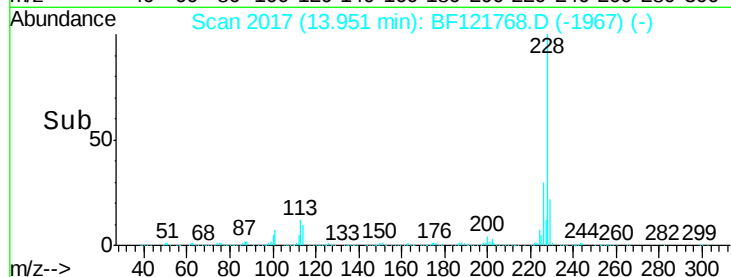
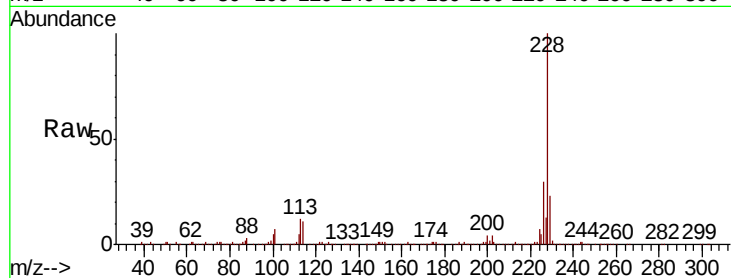
#83
Chrysene
Concen: 12.656 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Instrument :
BNA_F
ClientSampleID :
B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	22.7	15.9	23.9

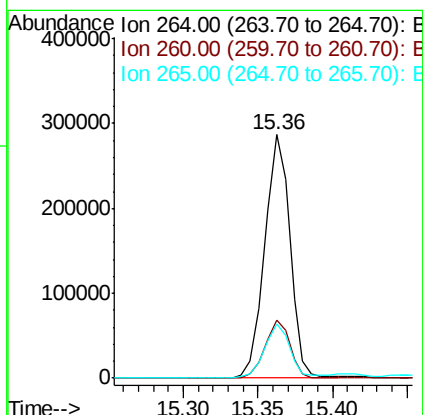
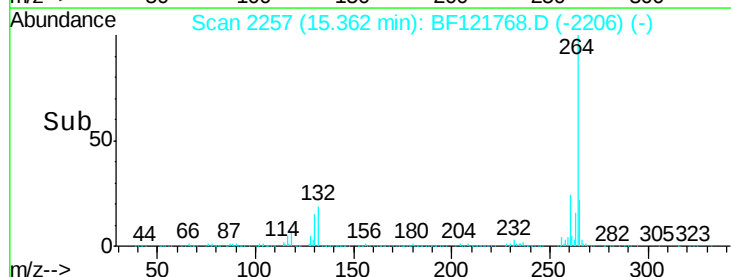
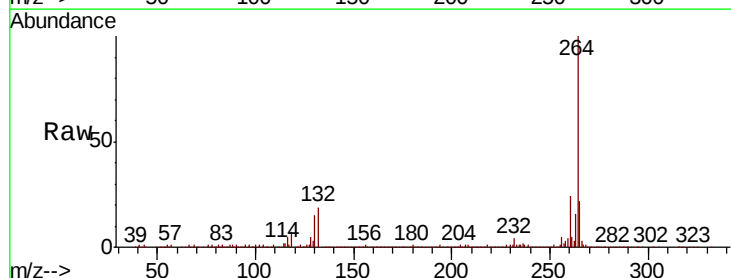
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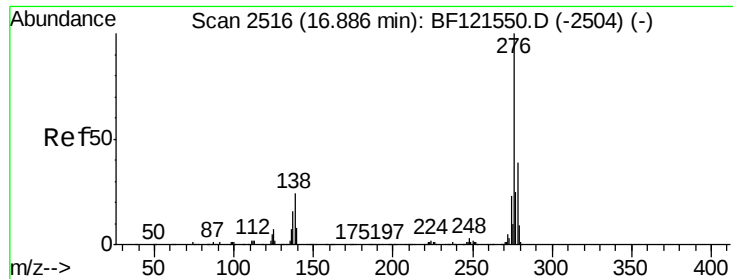
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.2	17.3	25.9





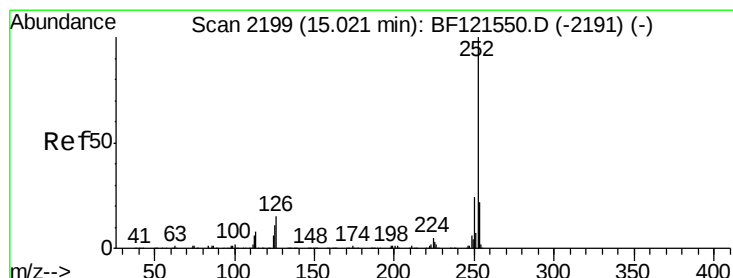
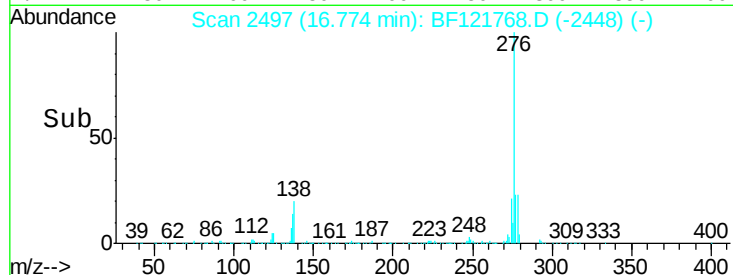
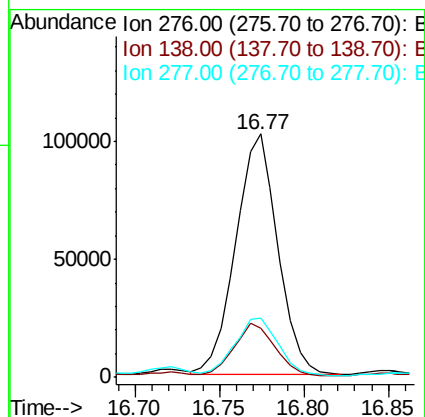
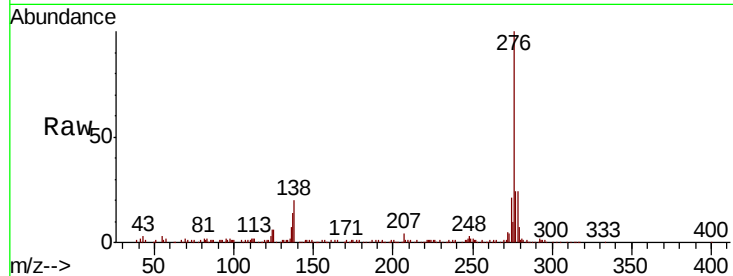
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.053 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Instrument :
 BNA_F
 ClientSampleId :
 B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.9	29.9
277	24.6	20.4	30.6

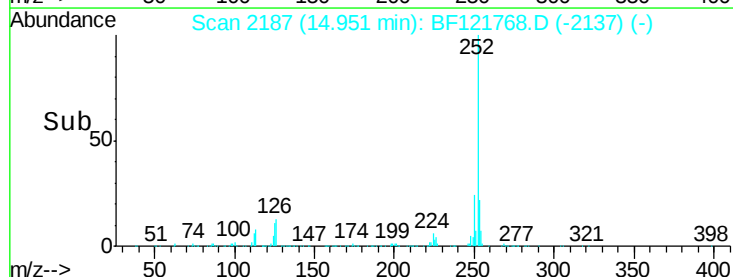
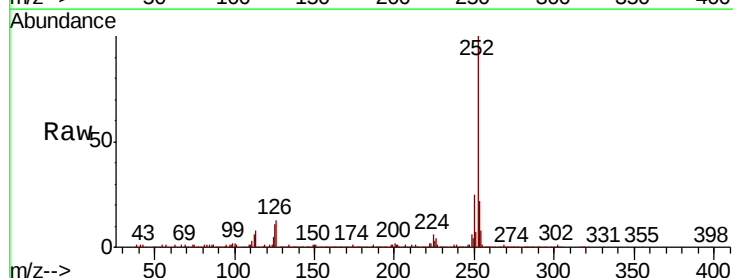
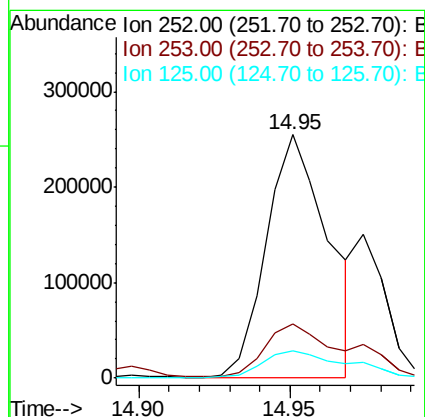
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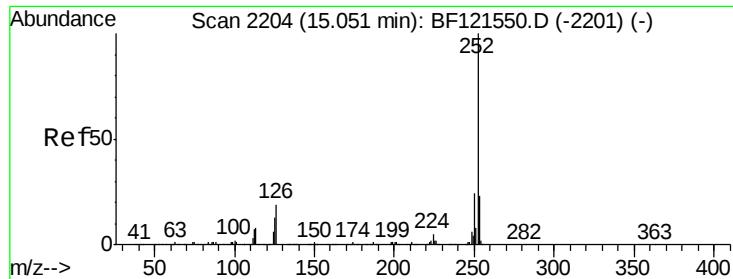
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 16.337 ng m
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BF121768.D
 Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.4	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 5.167 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA_F

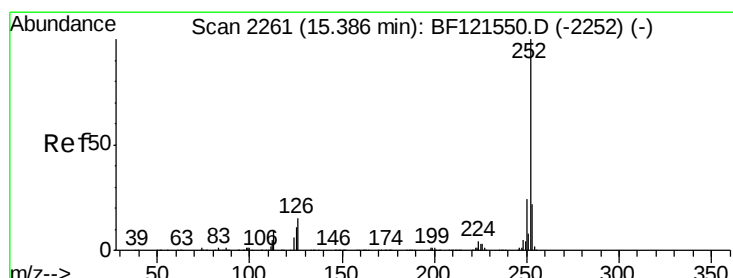
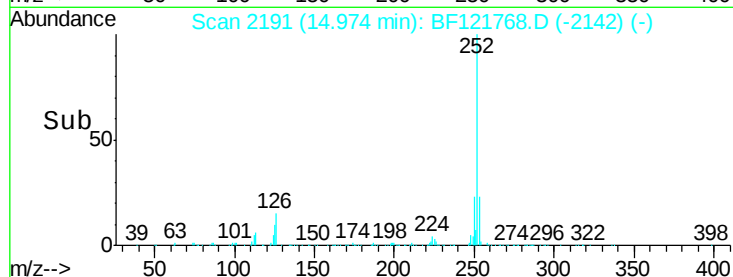
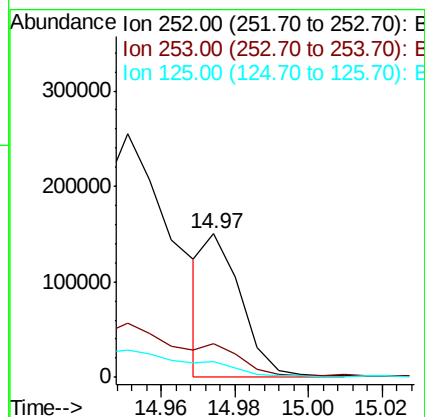
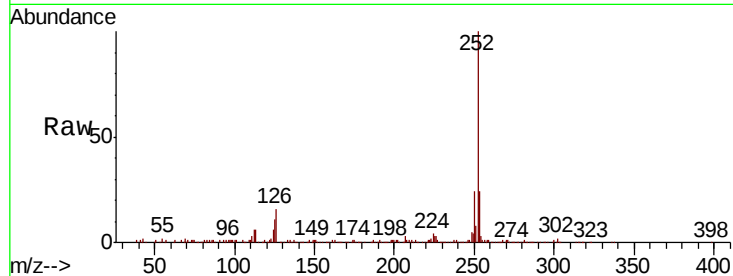
ClientSampleId :

B-6(7-9)DL

Tot Ion:	252	Resp:	106019
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	11.0	7.7	11.5

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#90

Benzo(a)pyrene

Concen: 13.297 ng

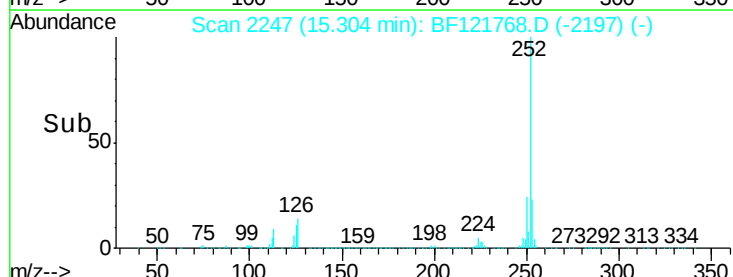
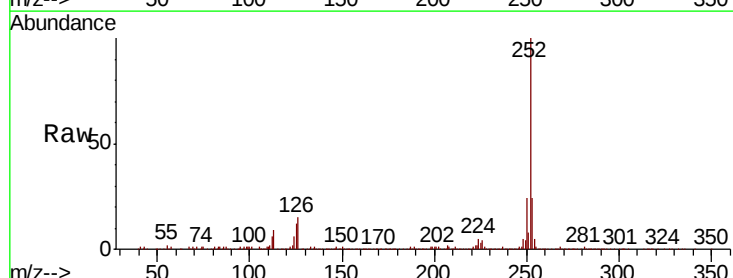
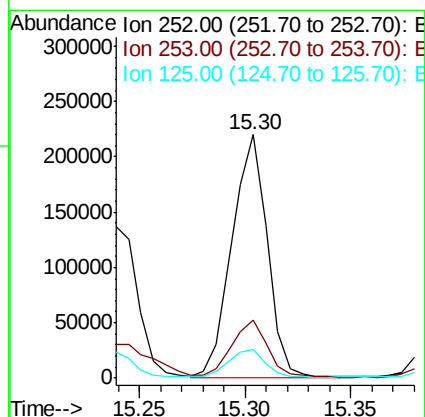
RT: 15.30 min Scan# 2247

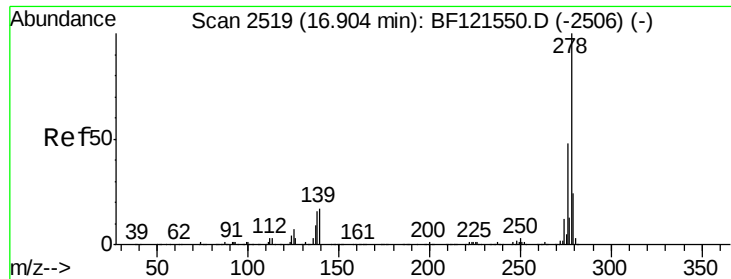
Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Tgt Ion:	252	Resp:	253264
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.3	25.9
125	11.6	8.6	13.0





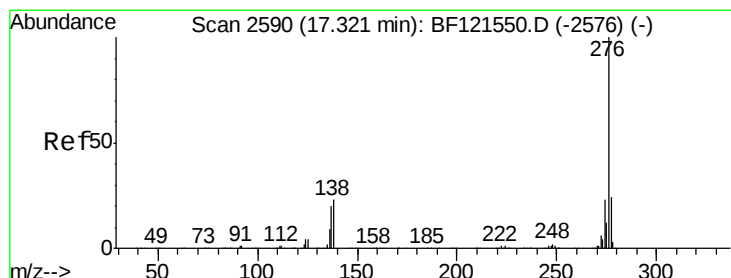
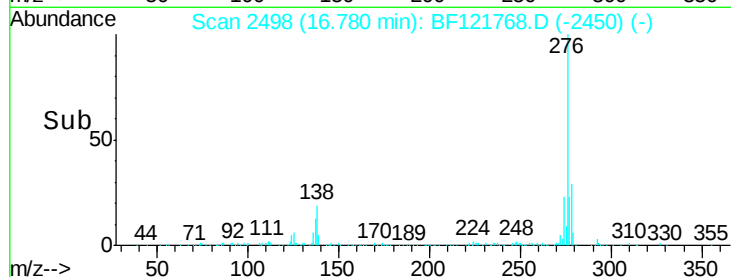
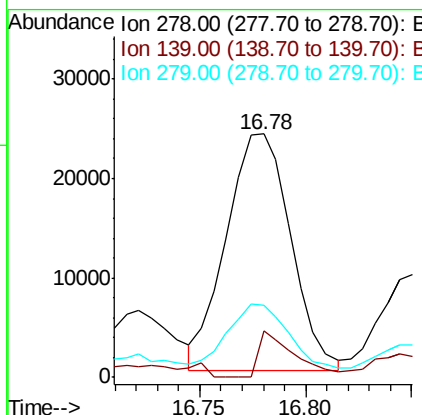
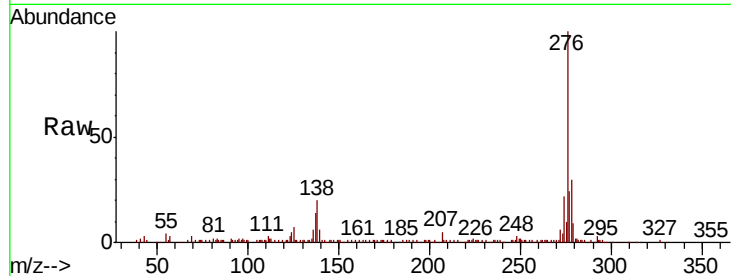
#91
Dibenzo(a,h)anthracene
Concen: 2.769 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Instrument :
BNA_F
ClientSampleId :
B-6(7-9)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.2	13.0	19.4
279	29.8	19.0	28.4

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#92
Benzo(g,h,i)perylene
Concen: 9.107 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.01 min
Lab File: BF121768.D
Acq: 1 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	22.0	17.8	26.6

