

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
 Data File : BF121283.D
 Acq On : 13 Aug 2020 21:41
 Operator : JU/CG
 Sample : L3508-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081120

Manual Integrations
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Quant Time: Aug 14 11:43:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	117173	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	449231	40.00	ng	0.00
39) Acenaphthene-d10	9.75	164	226985	40.00	ng	0.00
64) Phenanthrene-d10	11.23	188	417870	40.00	ng	0.00
76) Chrysene-d12	13.87	240	280316	40.00	ng	0.00
86) Perylene-d12	15.29	264	282651	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	288868	74.75	ng	0.01
7) Phenol-d6	6.35	99	352829	70.85	ng	0.00
23) Nitrobenzene-d5	7.28	82	223034	54.27	ng	0.00
42) 2,4,6-Tribromophenol	10.54	330	97141	69.52	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	448292	54.64	ng	0.00
79) Terphenyl-d14	12.82	244	412630	57.39	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.03	128	61057	4.832	ng	98
37) 2-Methylnaphthalene	8.72	142	45840	5.512	ng	98
38) 1-Methylnaphthalene	8.82	142	22135	2.811	ng	99
50) Dimethylphthalate	9.47	163	49615	5.810	ng	99
52) Acenaphthene	9.79	154	32342	4.556	ng	97
55) Dibenzofuran	9.96	168	40651	3.596	ng	98
58) Fluorene	10.30	166	36306	4.243	ng	97
71) Phenanthrene	11.26	178	208121	17.412	ng	99
72) Anthracene	11.31	178	76313	6.362	ng	100
73) Carbazole	11.47	167	25908	2.209	ng	# 97
75) Fluoranthene	12.44	202	394270	29.623	ng	98
78) Pvrene	12.67	202	382636	36.661	ng	98
81) Benzo(a)anthracene	13.86	228	173587	18.260	ng	97
83) Chrysene	13.90	228	159475	16.431	ng	98
87) Indeno(1,2,3-cd)pyrene	16.66	276	97215	9.252	ng	96
88) Benzo(b)fluoranthene	14.89	252	211897m	22.377	ng	
89) Benzo(k)fluoranthene	14.91	252	55327m	6.292	ng	
90) Benzo(a)pyrene	15.23	252	156560	18.318	ng	97
91) Dibenzo(a,h)anthracene	16.67	278	26247	2.915	ng	# 81
92) Benzo(a,h,i)perylene	17.07	276	93865	10.564	ng	96

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

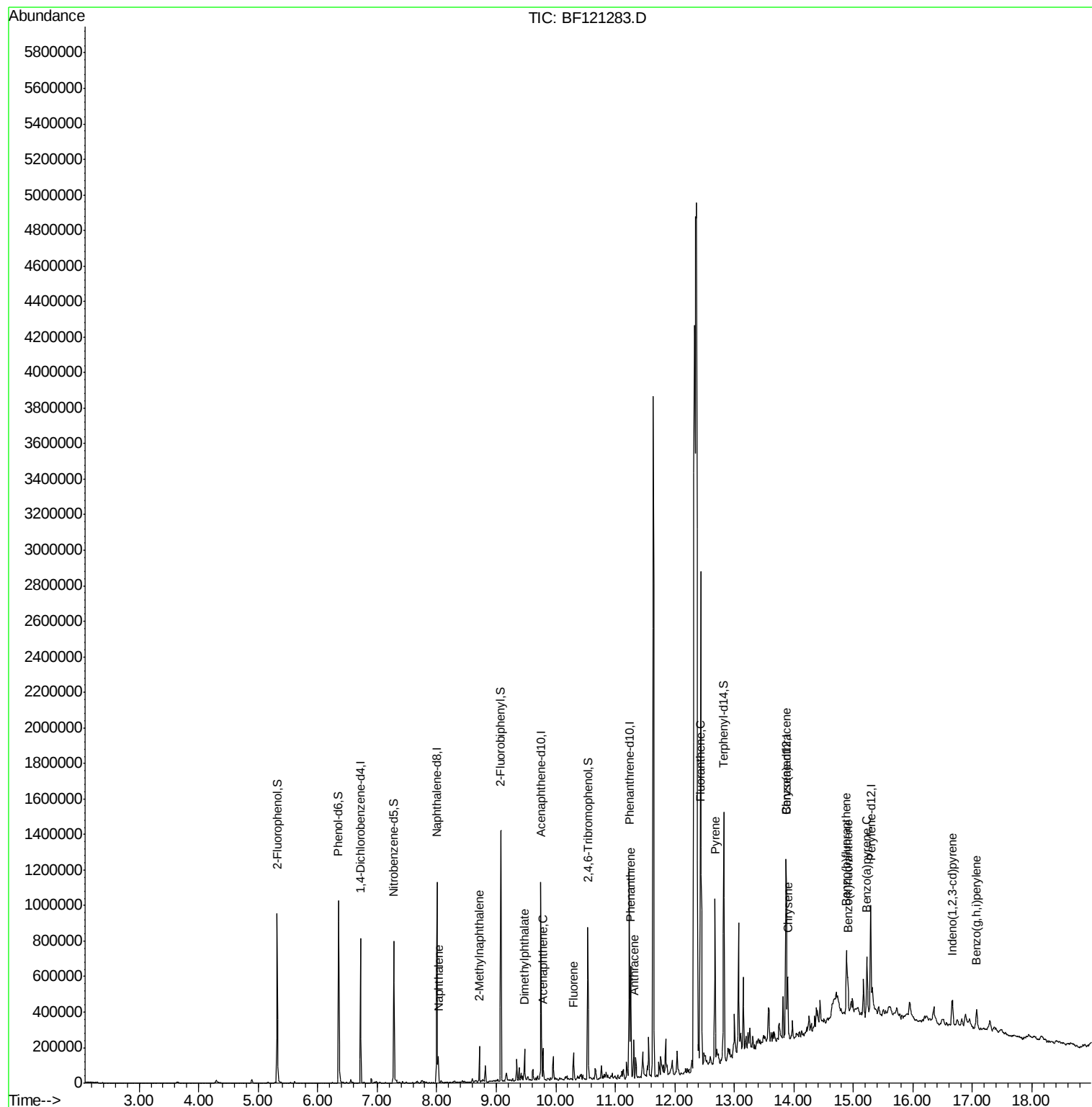
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081320\
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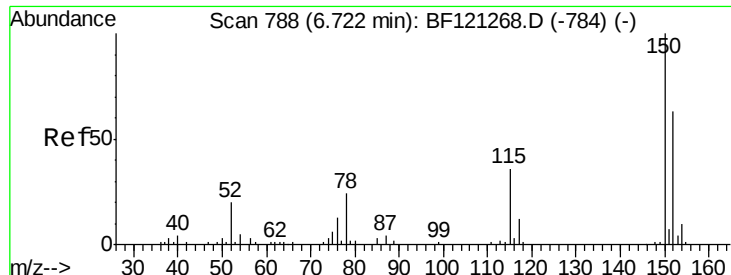
Instrument :
BNA_F
ClientSampleId :
TR-05-081120

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Quant Time: Aug 14 11:43:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

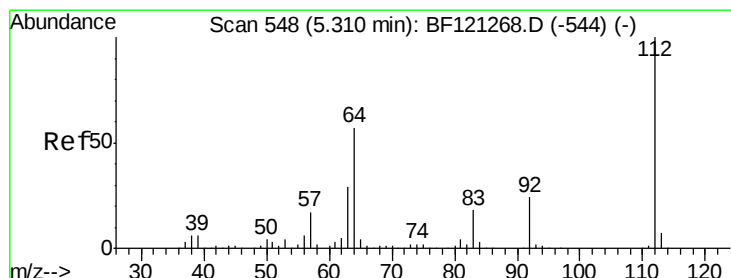
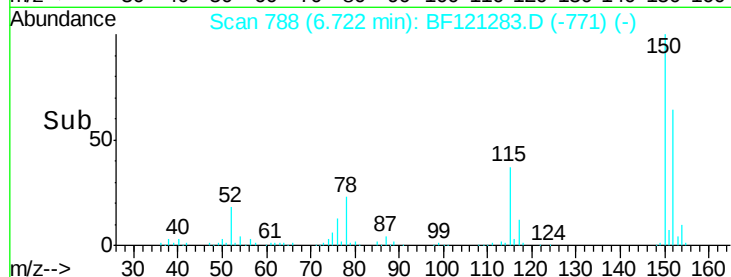
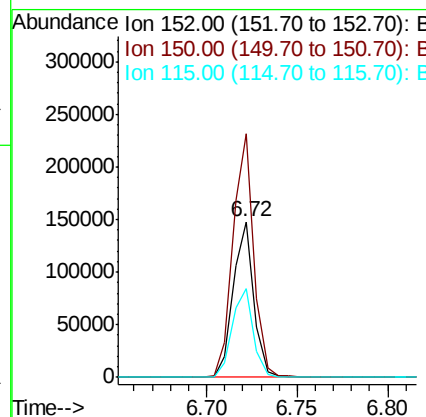
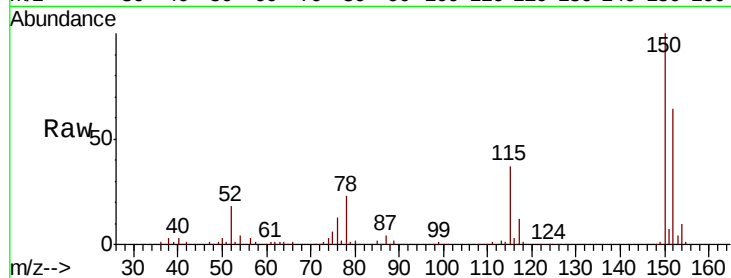
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	129.0	193.6
115	57.3	49.0	73.4

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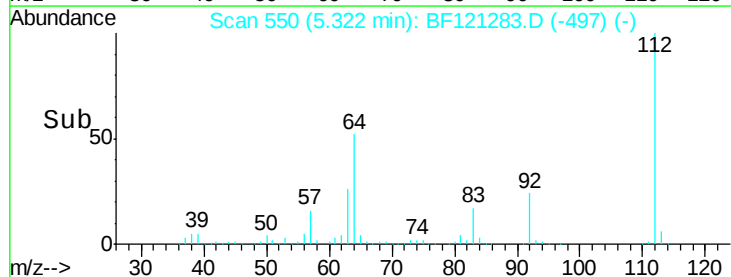
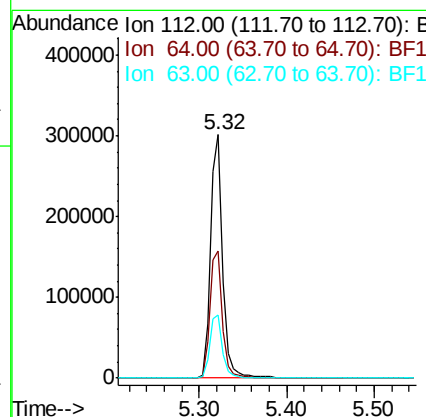
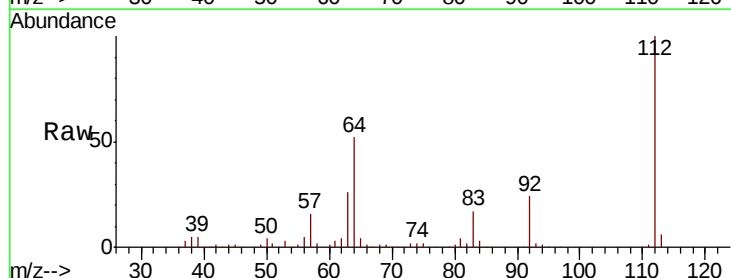
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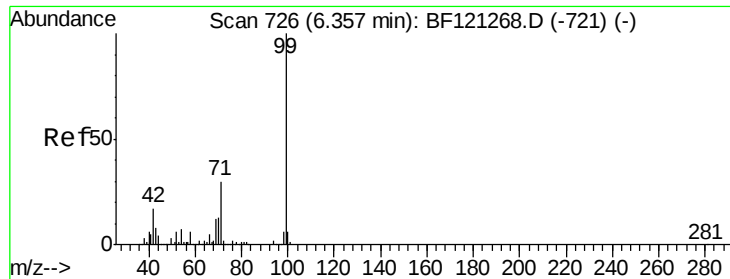


#5

2-Fluorophenol
Concen: 74.751 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	45.4	68.2
63	26.1	23.0	34.6





#7

Phenol-d6

Concen: 70.852 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF121283.D

Acq: 13 Aug 2020 21:41

Instrument :

BNA_F

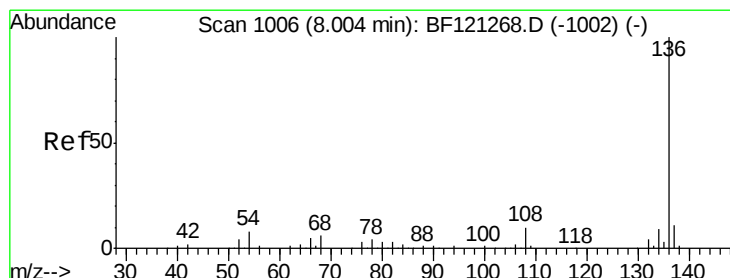
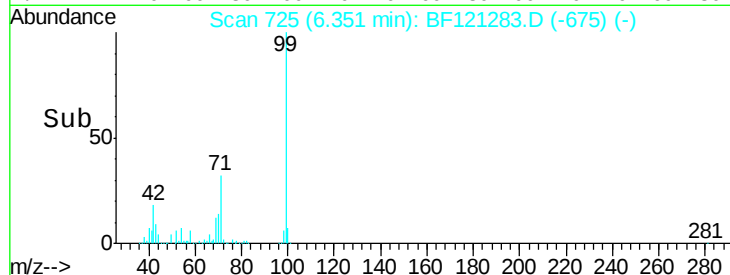
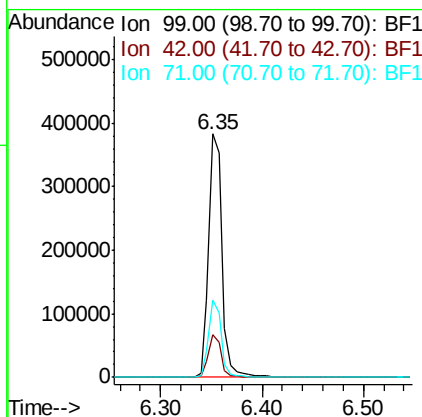
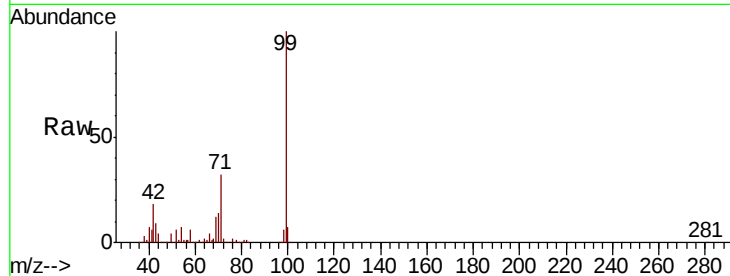
ClientSampled :

TR-05-081120

Tot Ion:	99	Resp:	352829
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.1	19.7
71	31.7	23.7	35.5

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#21

Naphthalene-d8

Concen: 40.000 ng

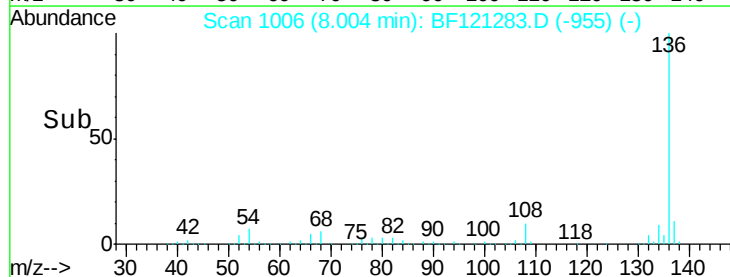
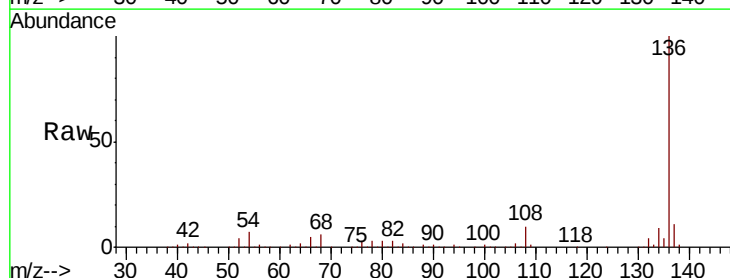
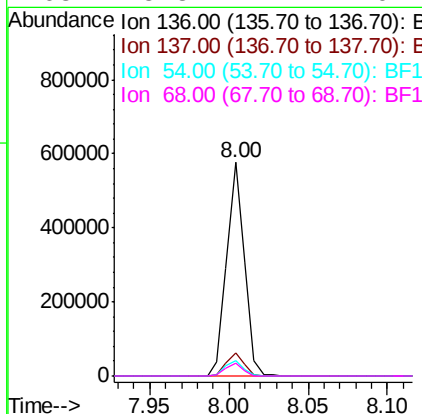
RT: 8.00 min Scan# 1006

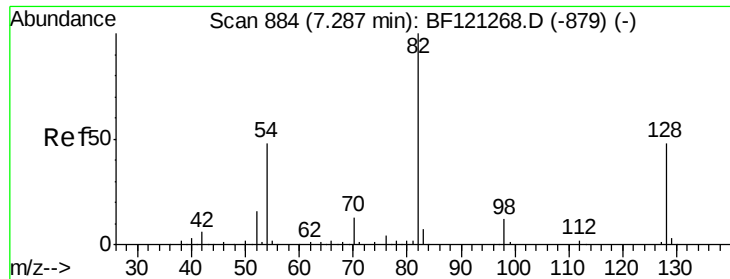
Delta R.T. -0.00 min

Lab File: BF121283.D

Acq: 13 Aug 2020 21:41

Tgt Ion:	136	Resp:	449231
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	7.4	5.3	7.9
68	5.8	4.2	6.2





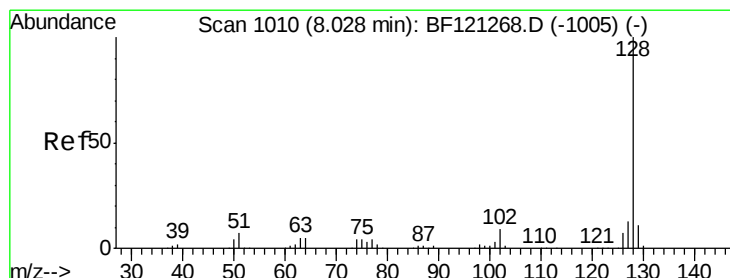
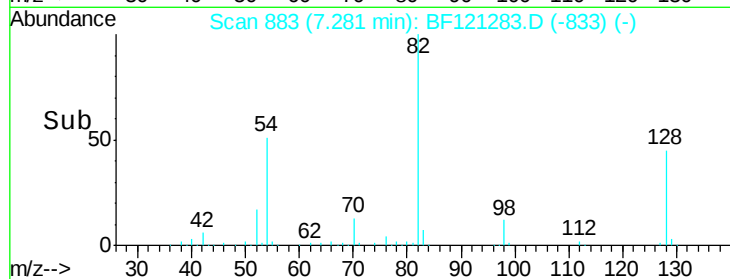
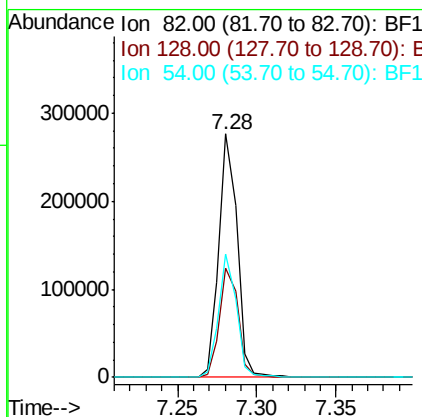
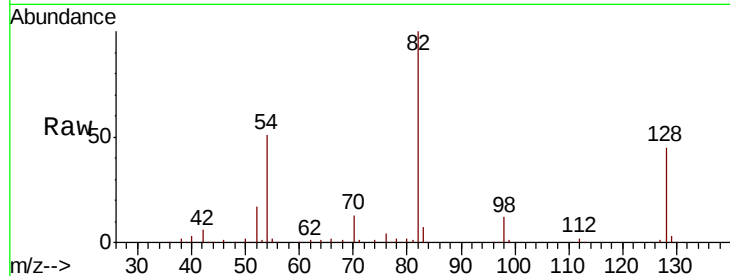
#23
Nitrobenzene-d5
Concen: 54.268 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	39.8	59.8
54	50.7	37.7	56.5

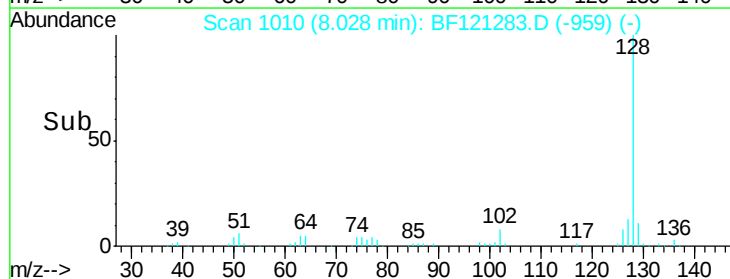
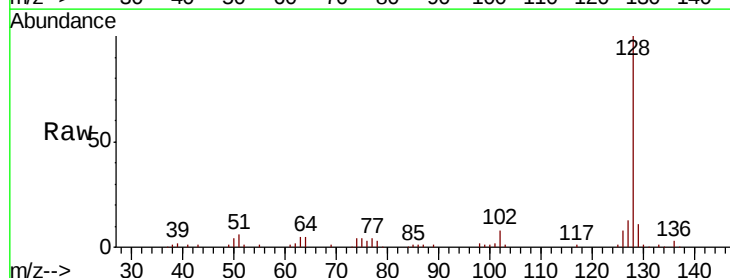
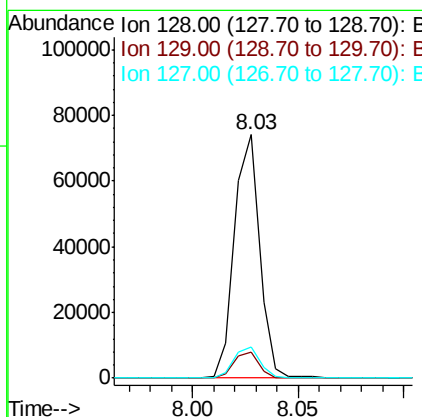
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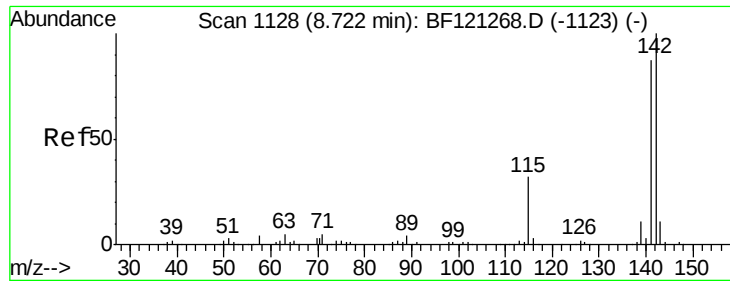
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#31
Naphthalene
Concen: 4.832 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.3	13.9
127	12.6	10.6	16.0





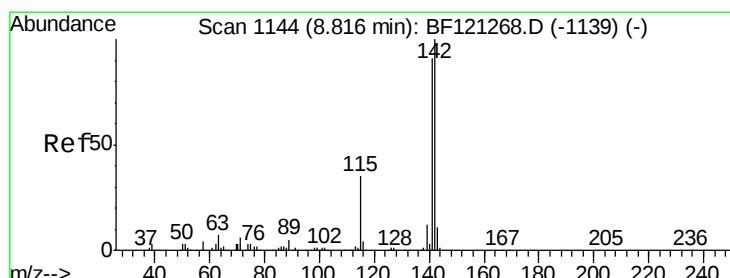
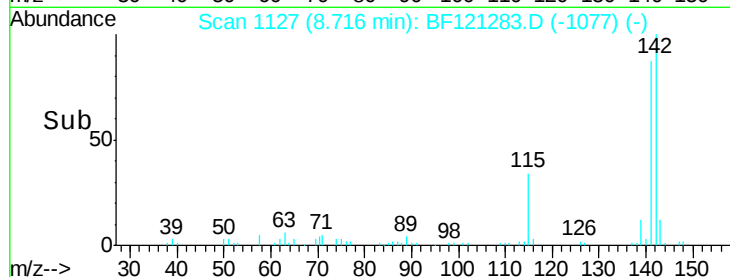
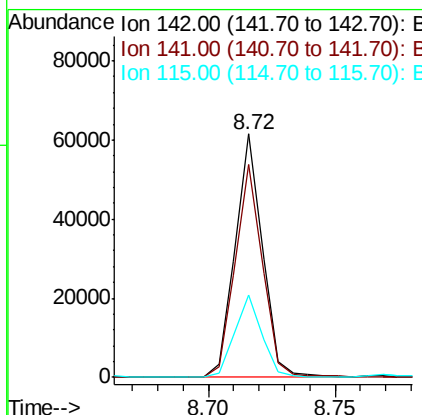
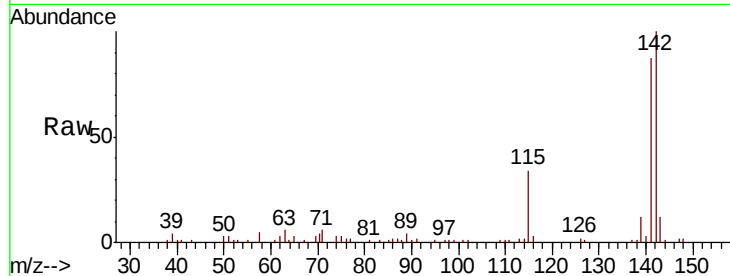
#37
2-Methylnaphthalene
Concen: 5.512 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.3	106.9
115	34.0	25.9	38.9

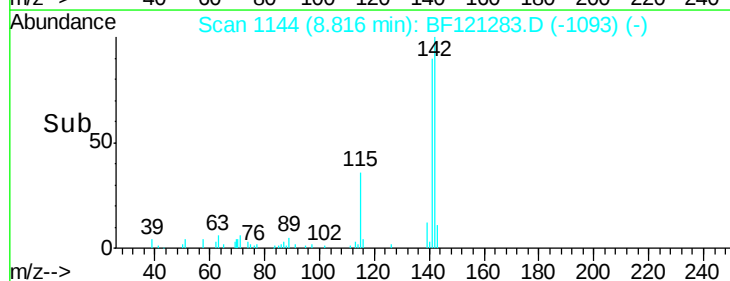
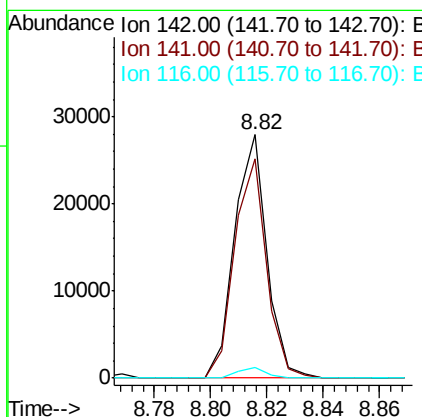
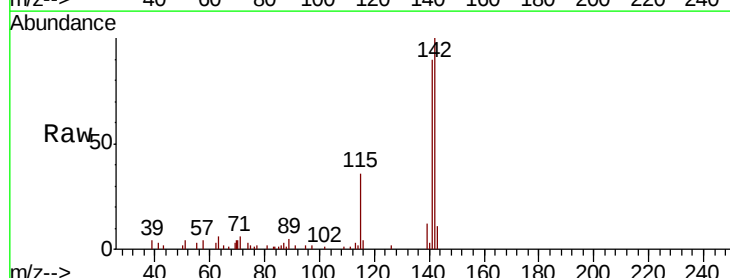
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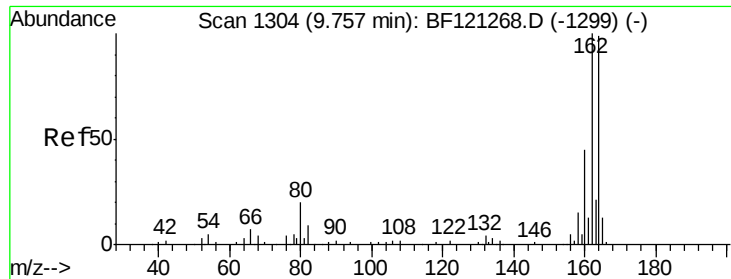
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#38
1-Methylnaphthalene
Concen: 2.811 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	73.0	109.4
116	4.3	3.0	4.6





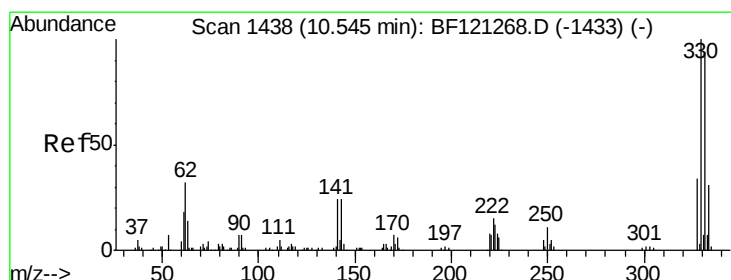
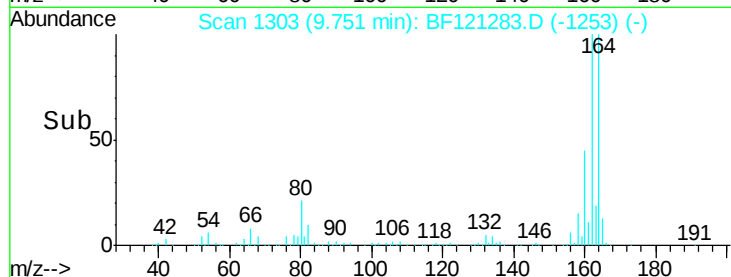
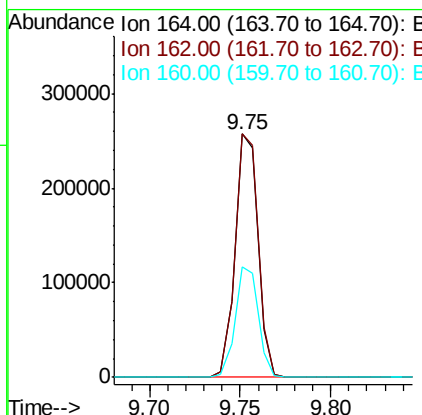
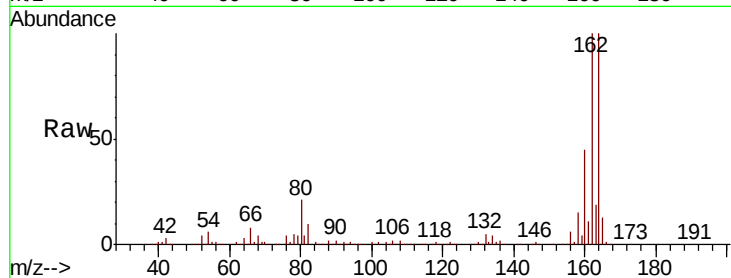
#39
Acenaphthene-d10
Concen: 40.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.9	81.2	121.8	
160	45.5	36.9	55.3	

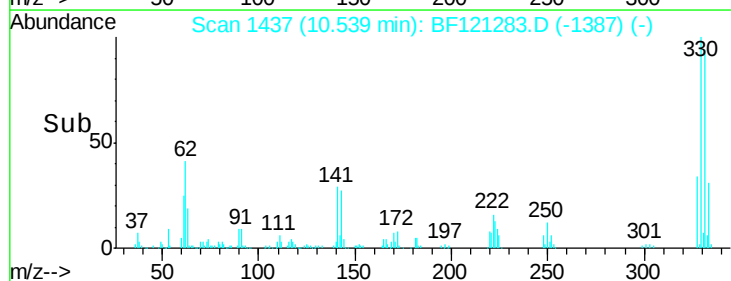
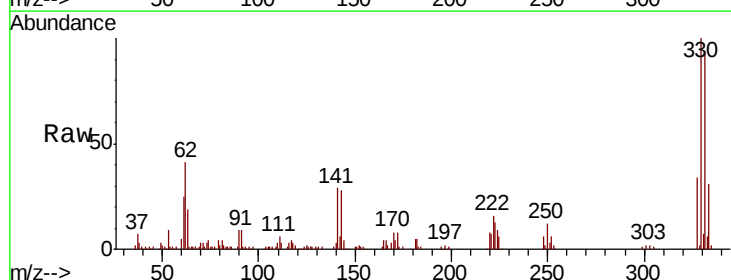
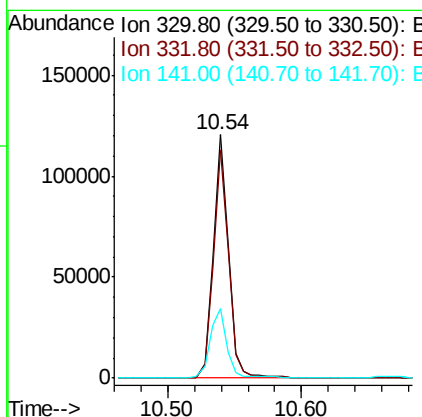
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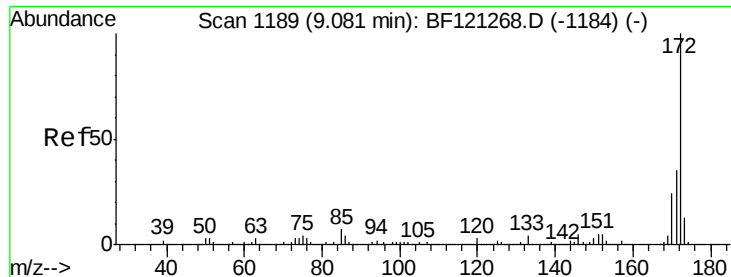
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#42
2,4,6-Tribromophenol
Concen: 69.520 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.1	75.4	113.0	
141	31.8	23.4	35.2	





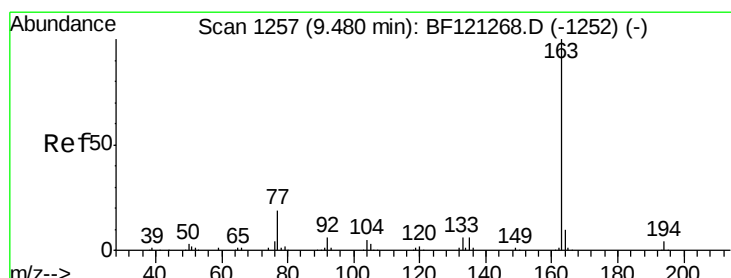
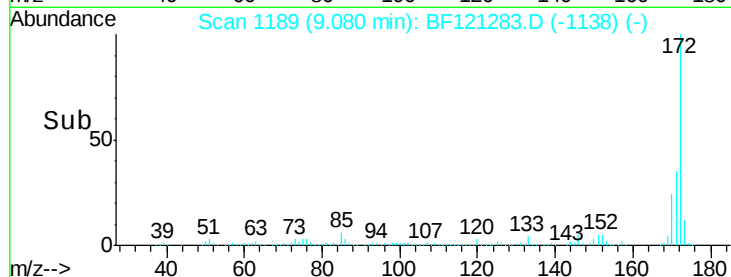
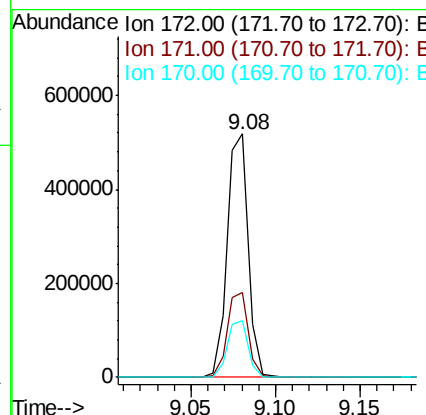
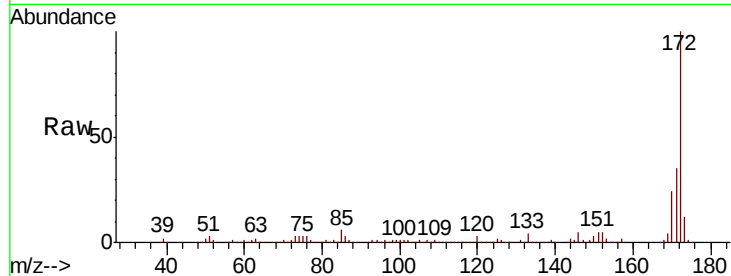
#45
2-Fluorobiphenyl
Concen: 54.640 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Resp	Lower	Upper
172	100	448292		
171	34.8		28.3	42.5
170	23.5		19.3	28.9

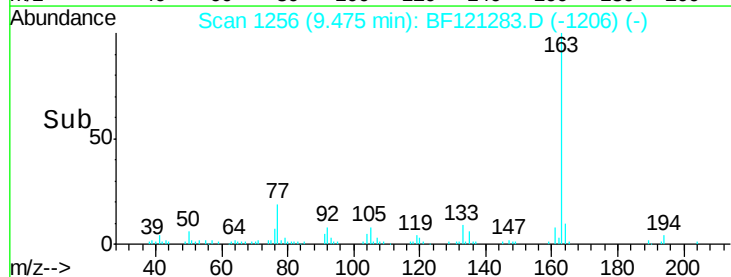
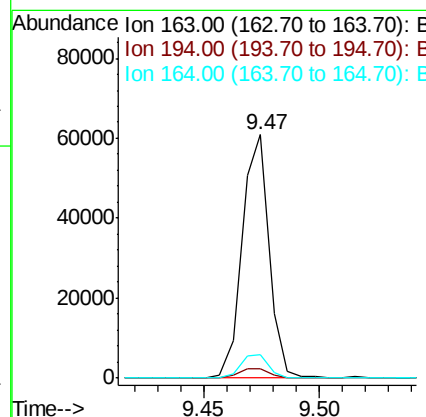
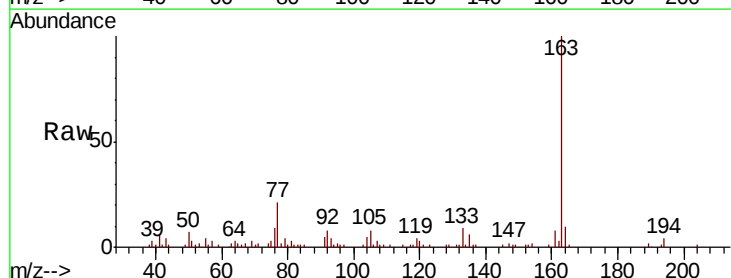
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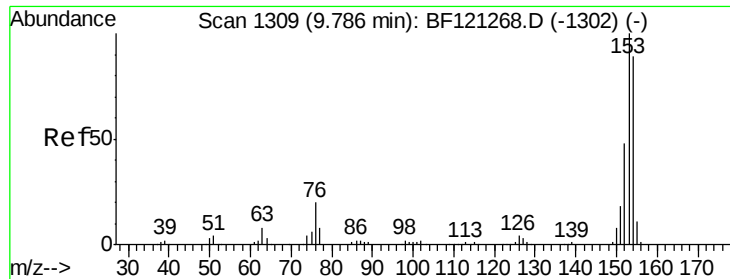
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#50
Dimethylphthalate
Concen: 5.810 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	49615		
194	3.7		3.0	4.6
164	9.6		8.1	12.1





#52

Acenaphthene

Concen: 4.556 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF121283.D

Acq: 13 Aug 2020 21:41

Instrument :

BNA_F

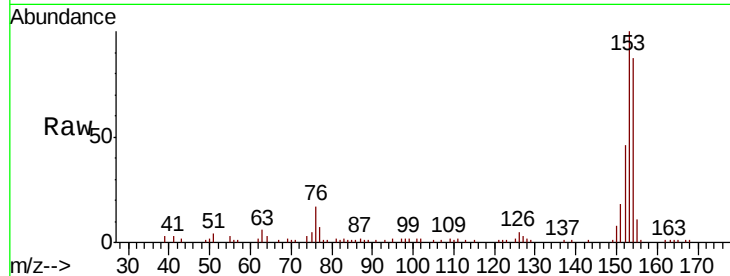
ClientSampleId :

TR-05-081120

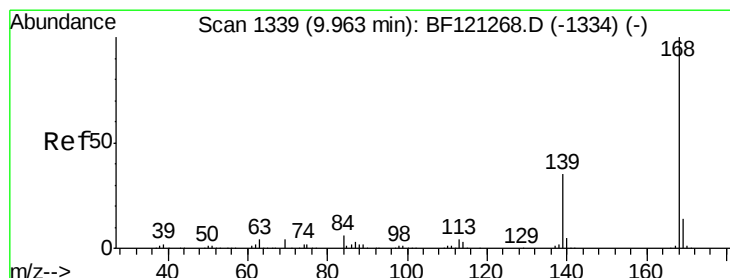
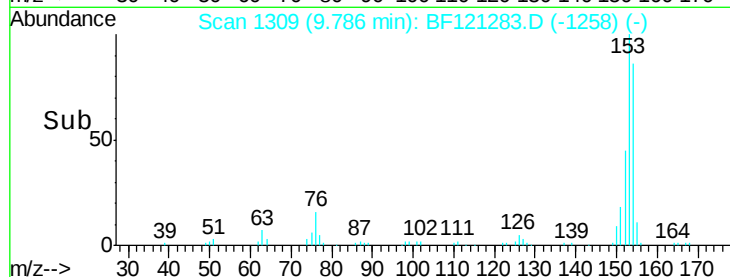
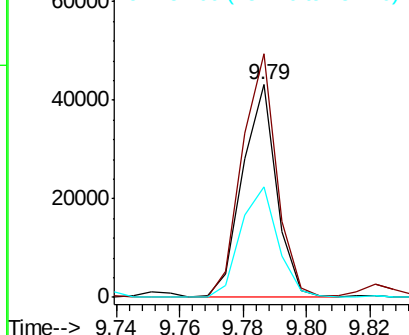
Tot Ion:	154	Resp:	32342
Ion Ratio	Lower	Upper	
154	100		
153	114.7	89.3	133.9
152	52.2	42.9	64.3

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: 3.596 ng

RT: 9.96 min Scan# 1338

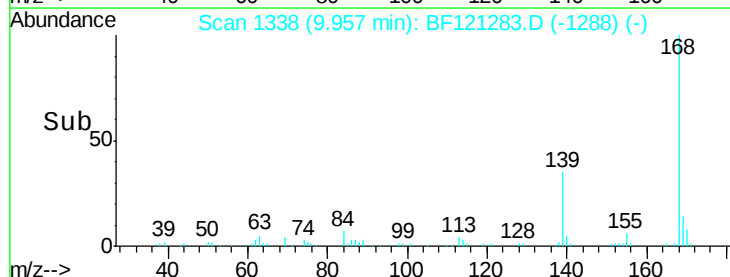
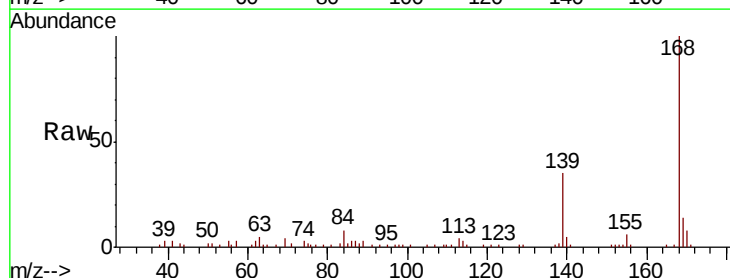
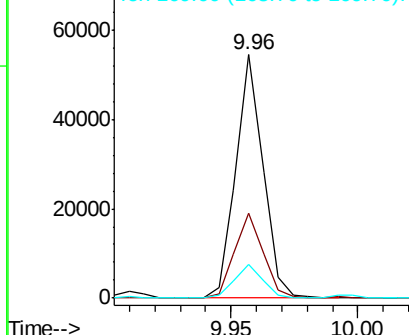
Delta R.T. -0.01 min

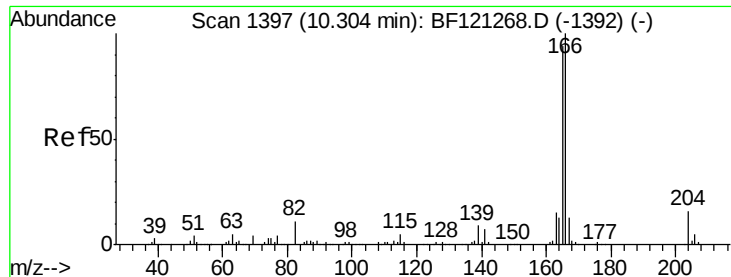
Lab File: BF121283.D

Acq: 13 Aug 2020 21:41

Tgt Ion:	168	Resp:	40651
Ion Ratio	Lower	Upper	
168	100		
139	34.6	29.0	43.6
169	13.8	11.0	16.4

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





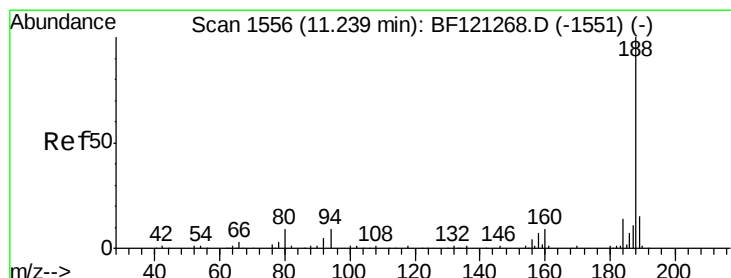
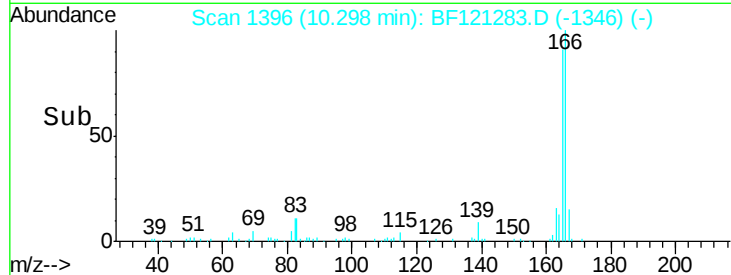
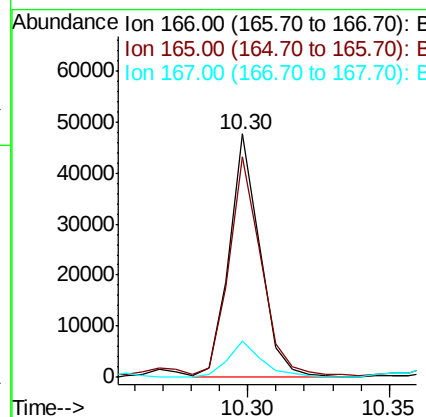
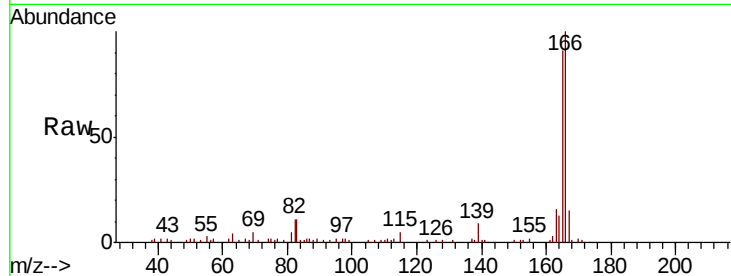
#58
 Fluorene
 Concen: 4.243 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081120

Tot Ion	Ratio	Lower	Upper
166	100		
165	90.8	75.0	112.6
167	14.9	10.6	16.0

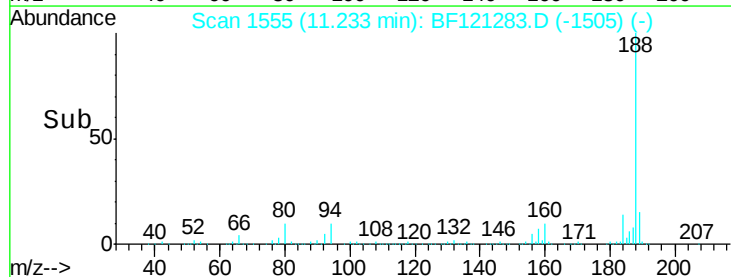
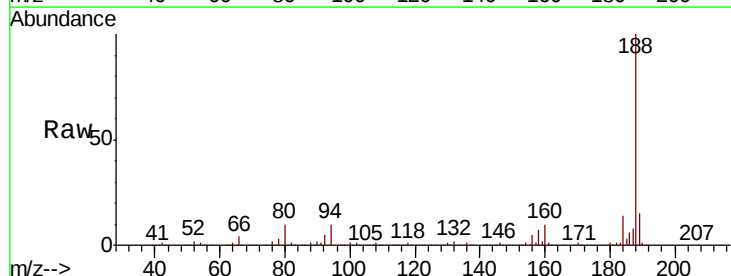
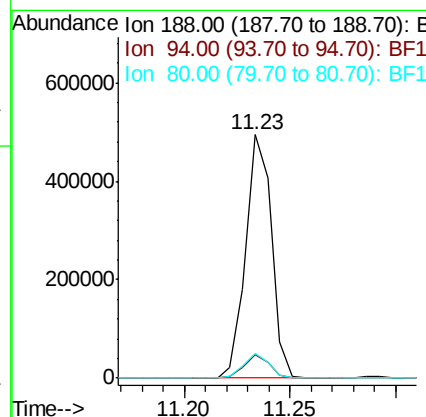
Manual Integrations
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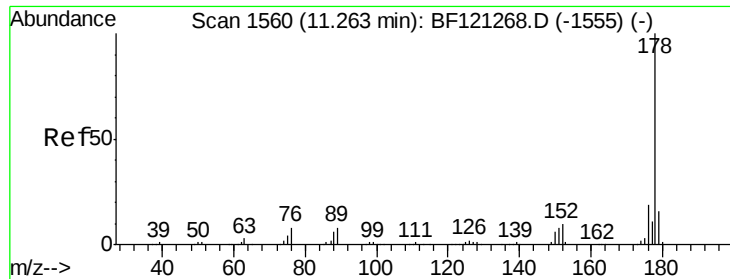
Sohil
 8/14/2020 2:53:29 PM



#64
 Phenanthrene-d10
 Concen: 40.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.0	10.6
80	10.3	7.4	11.0





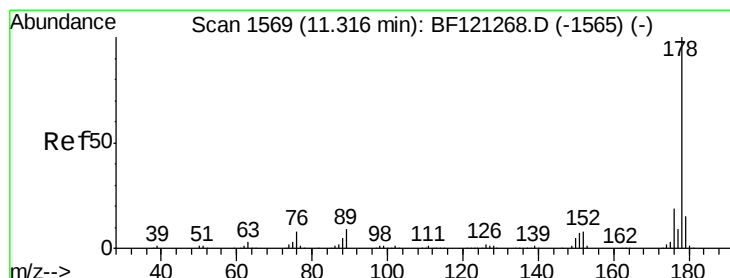
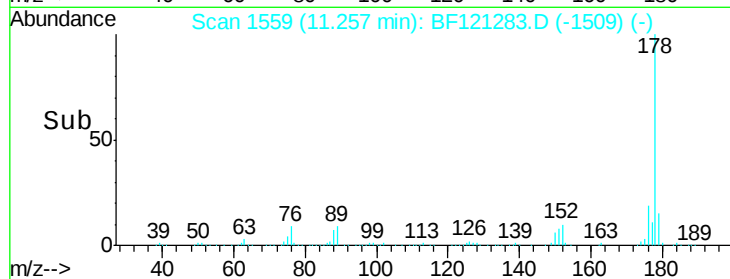
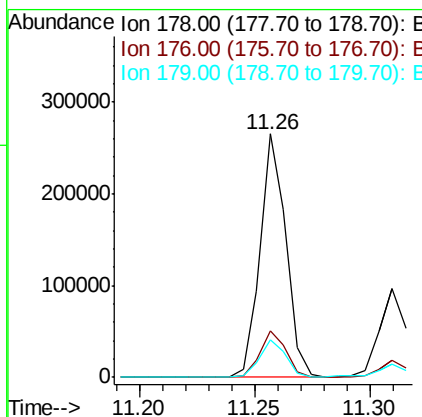
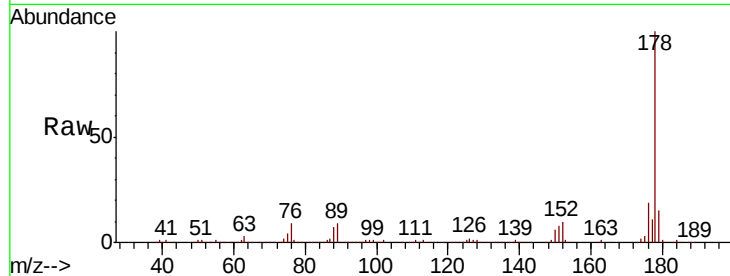
#71
Phenanthrene
Concen: 17.412 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.4	12.6	19.0

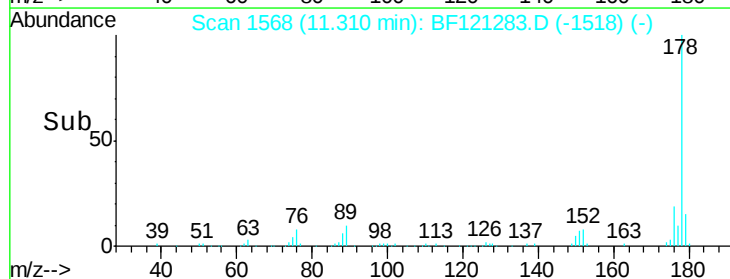
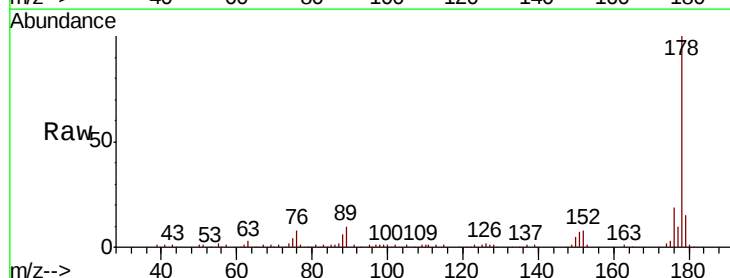
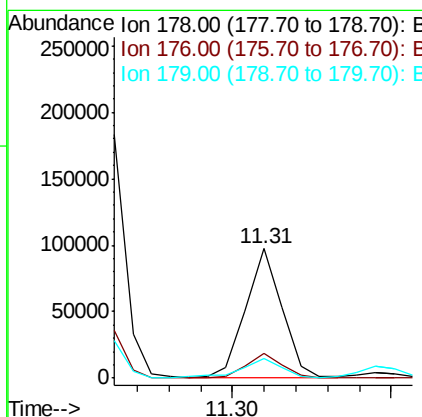
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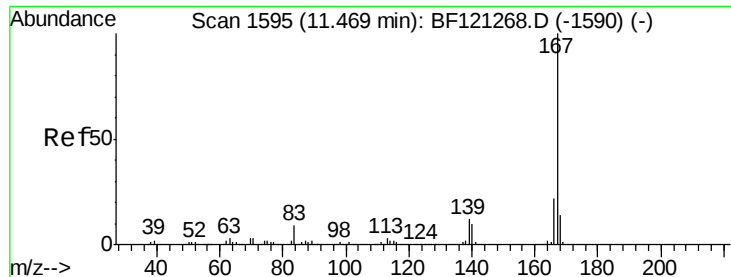
Sohil
8/14/2020 2:53:29 PM



#72
Anthracene
Concen: 6.362 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.2	12.4	18.6





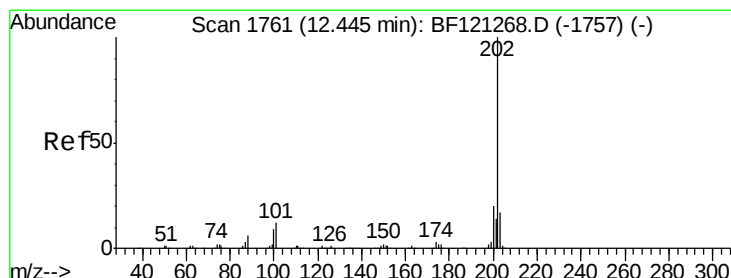
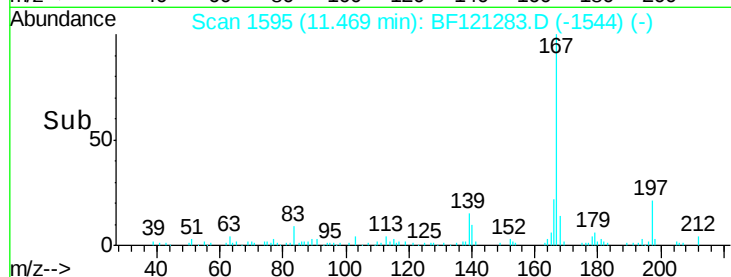
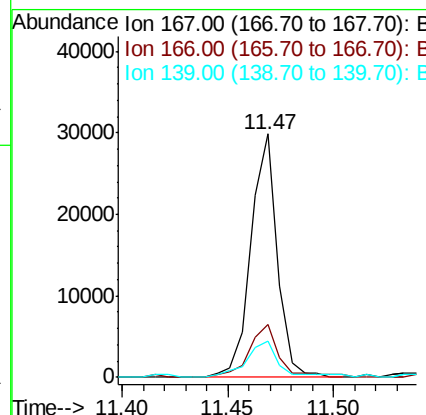
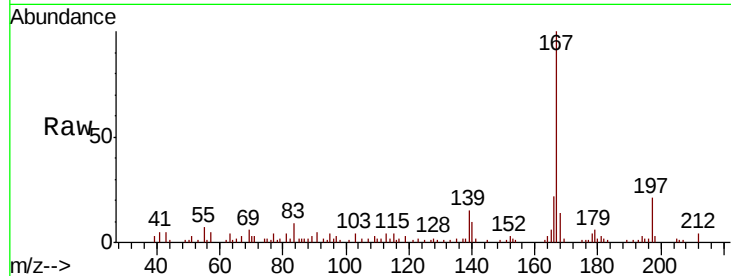
#73
 Carbazole
 Concen: 2.209 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081120

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	15.2	9.8	14.6

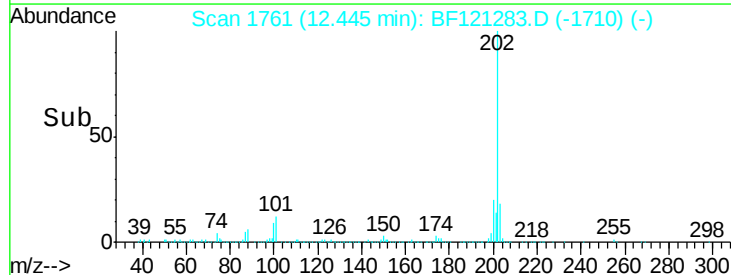
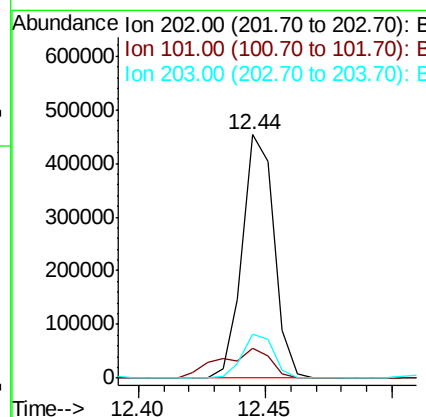
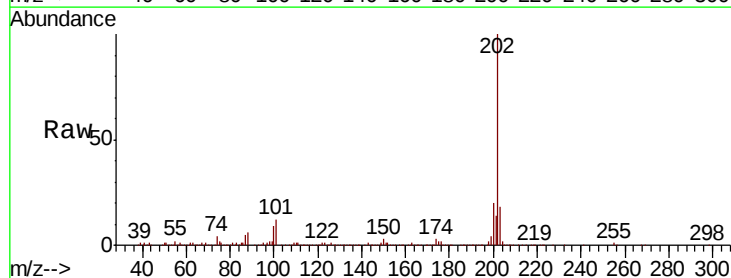
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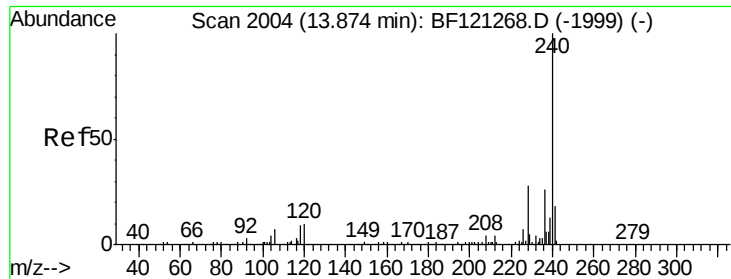
Sohil
 8/14/2020 2:53:29 PM



#75
 Fluoranthene
 Concen: 29.623 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	30.6
203	18.0	0.0	38.0





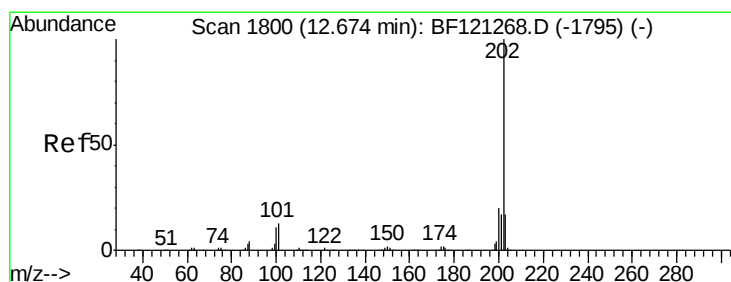
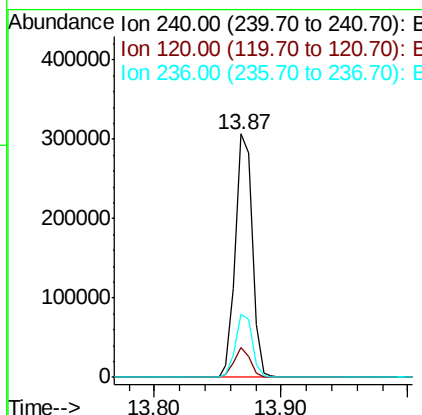
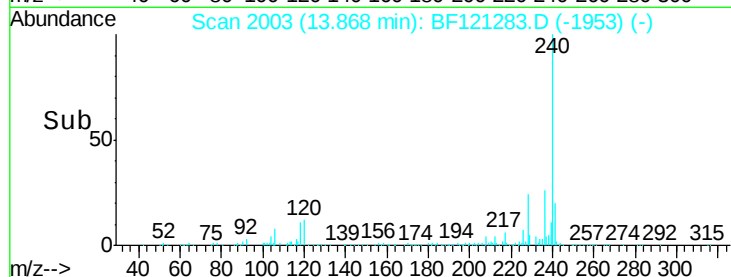
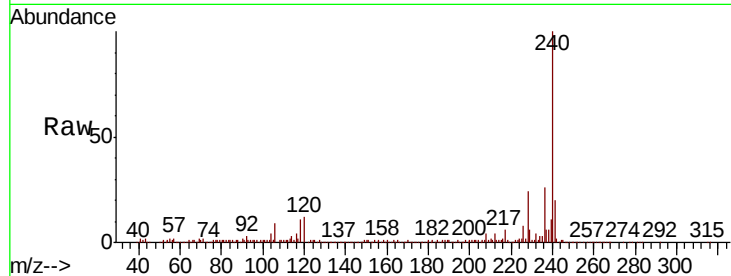
#76
Chrysene-d12
Concen: 40.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Resp	Lower	Upper
240	100	280316		
120	12.4	9.2	13.8	
236	26.0	21.0	31.4	

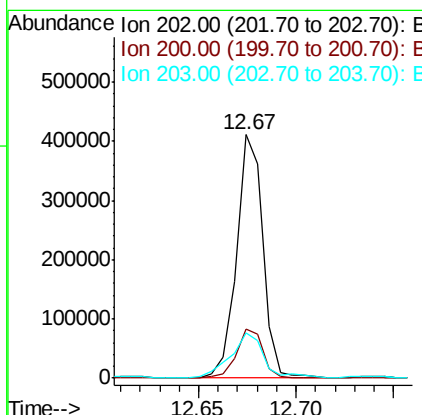
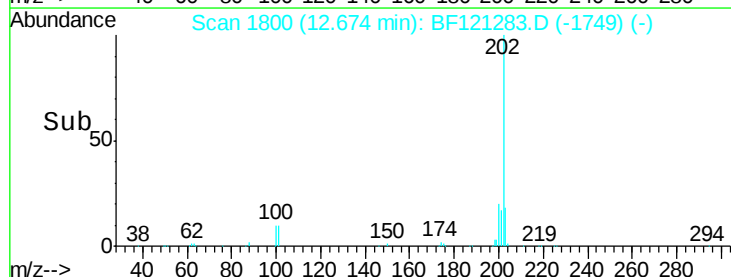
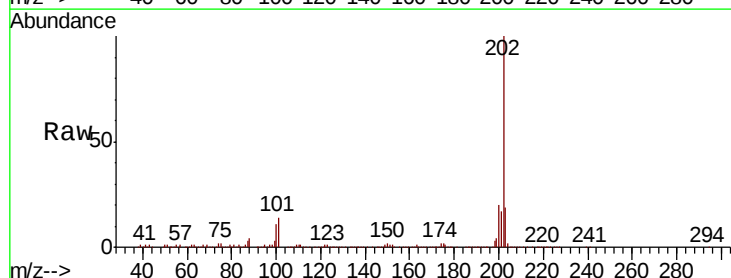
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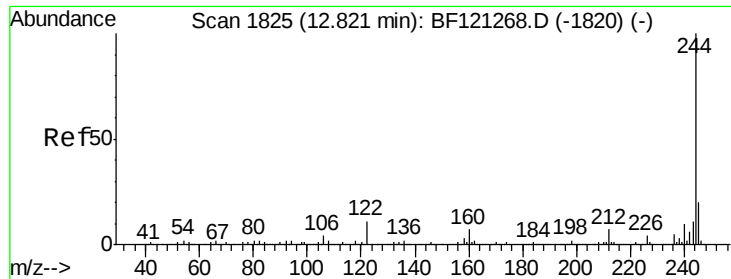
Sohil
8/14/2020 2:53:29 PM



#78
Pyrene
Concen: 36.661 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	382636		
200	20.1	16.3	24.5	
203	18.5	13.8	20.8	





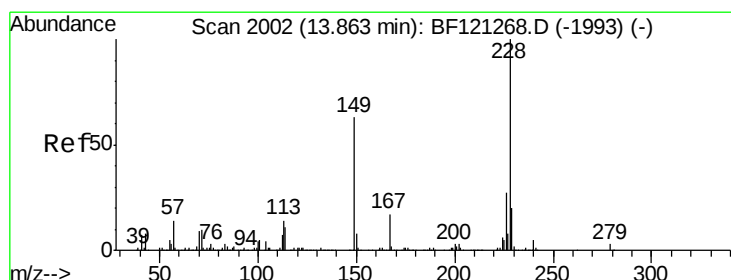
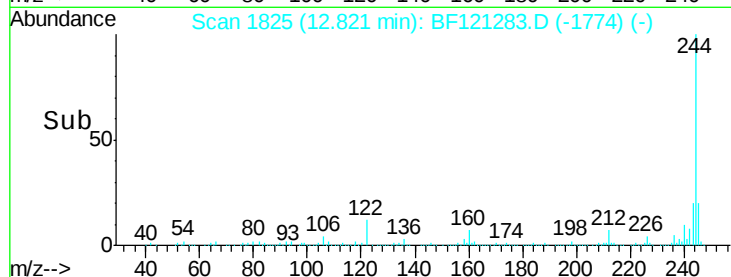
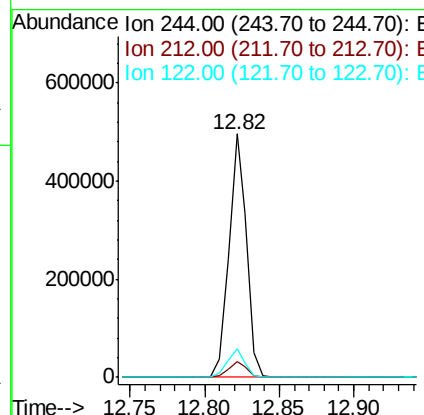
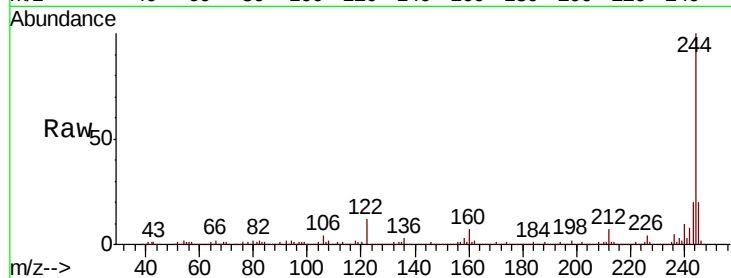
#79
 Terphenyl-d14
 Concen: 57.389 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081120

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.7	9.1	13.7

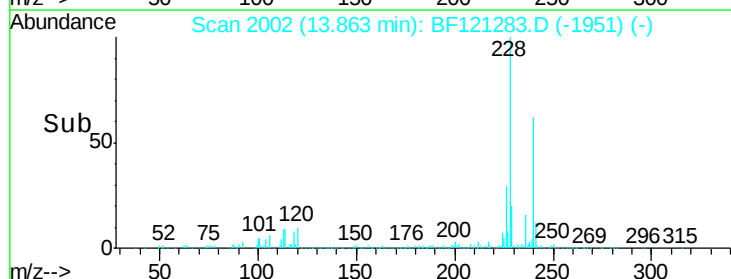
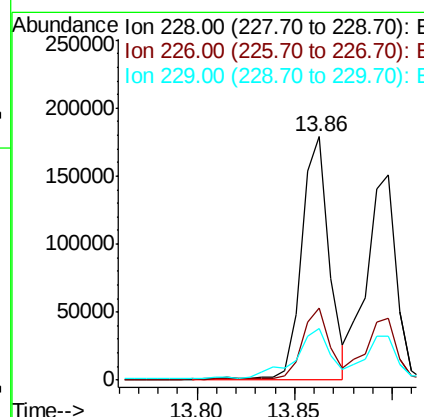
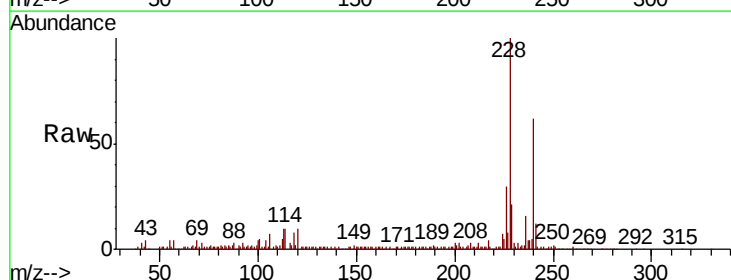
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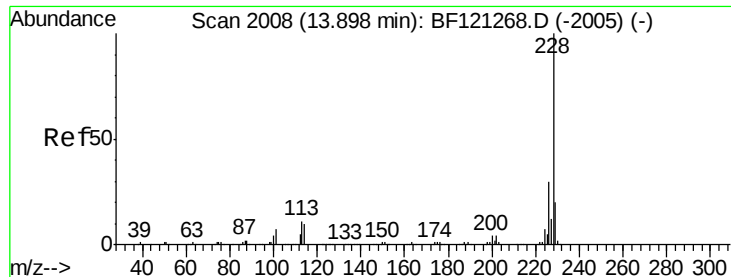
Sohil
 8/14/2020 2:53:29 PM



#81
 Benzo(a)anthracene
 Concen: 18.260 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.0	33.0
229	21.0	16.0	24.0





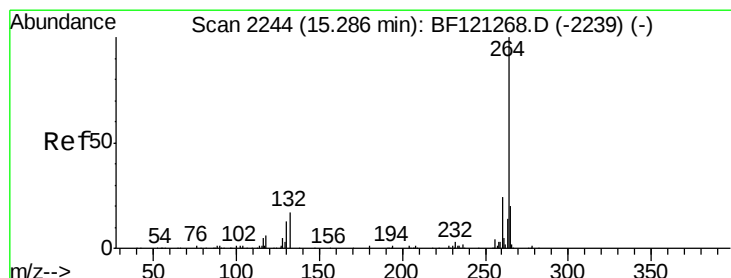
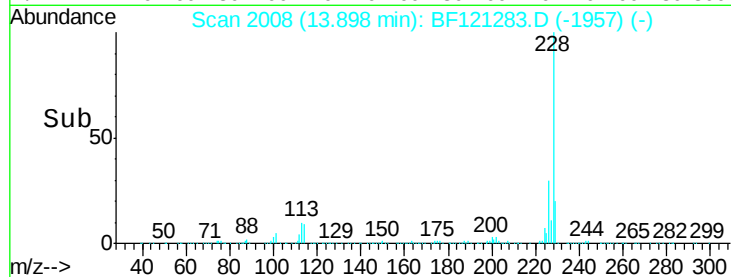
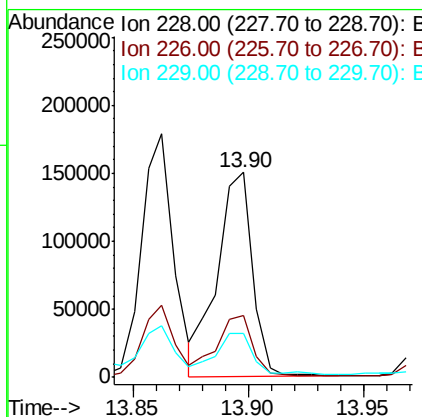
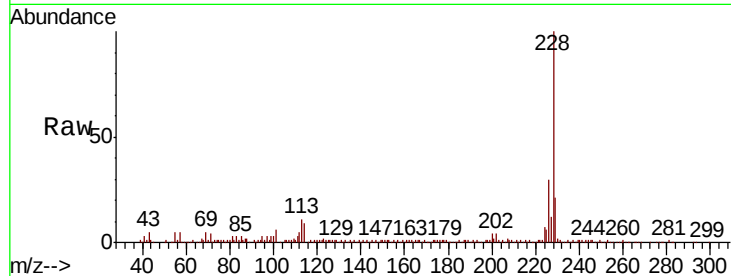
#83
Chrysene
Concen: 16.431 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion:	228	Resp:	159475
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.8	37.2
229	21.3	16.2	24.2

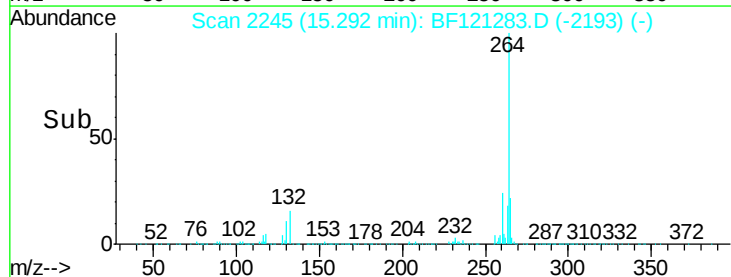
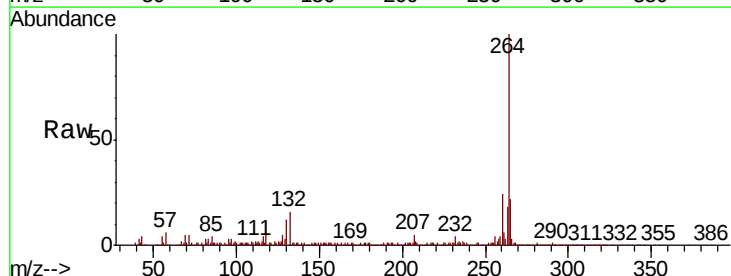
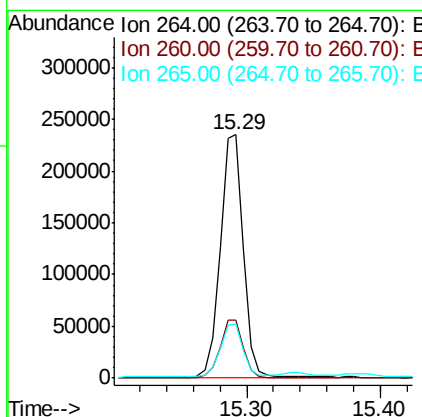
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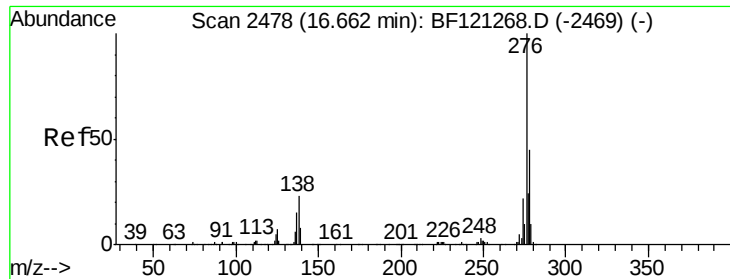
Sohil
8/14/2020 2:53:29 PM



#86
Perylene-d12
Concen: 40.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion:	264	Resp:	282651
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	22.1	17.1	25.7





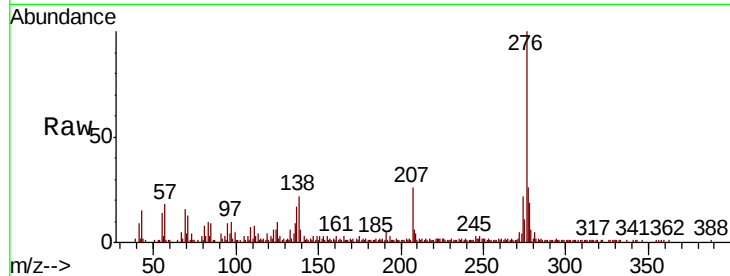
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.252 ng
 RT: 16.66 min Scan# 2477
 Delta R.T. -0.01 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081120

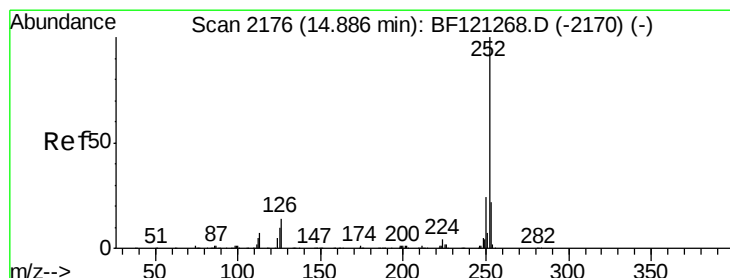
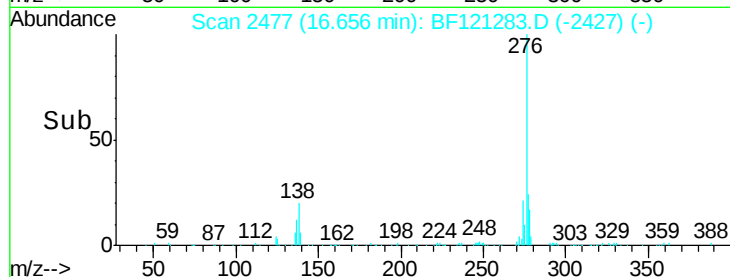
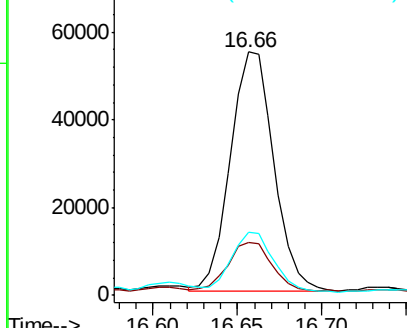
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.6	29.4
277	24.2	20.0	30.0

Manual Integrations
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 8/14/2020 2:53:29 PM



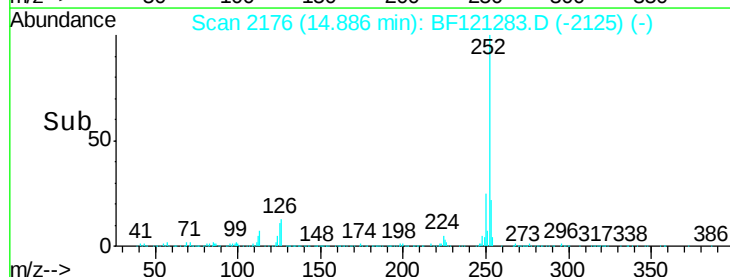
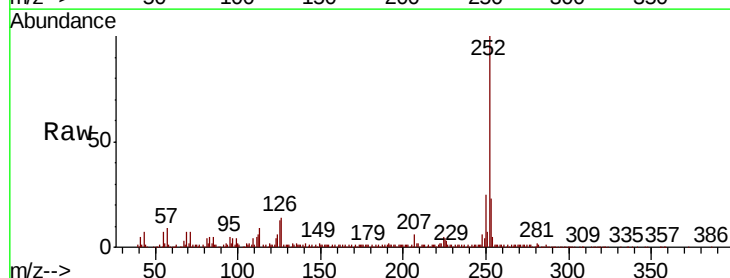
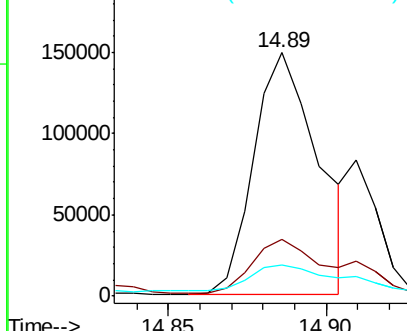
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

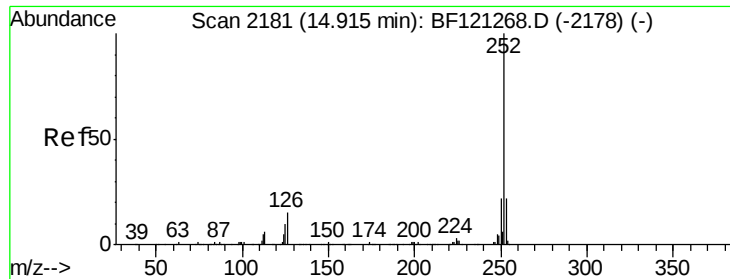


#88
 Benzo(b)fluoranthene
 Concen: 22.377 ng m
 RT: 14.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: BF121283.D
 Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.6	7.6	11.4#

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





#89

Benzo(k)fluoranthene

Concen: 6.292 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF121283.D

Acq: 13 Aug 2020 21:41

Instrument :

BNA_F

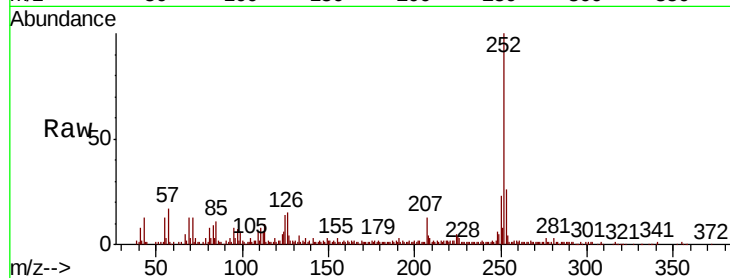
ClientSampleId :

TR-05-081120

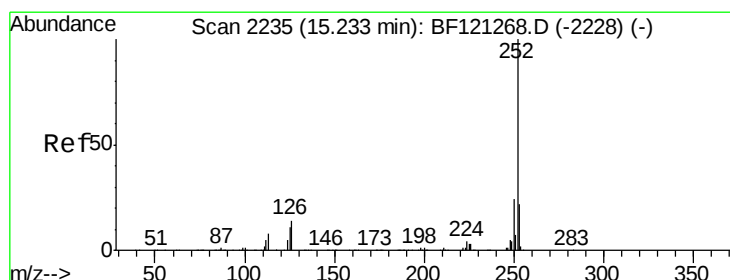
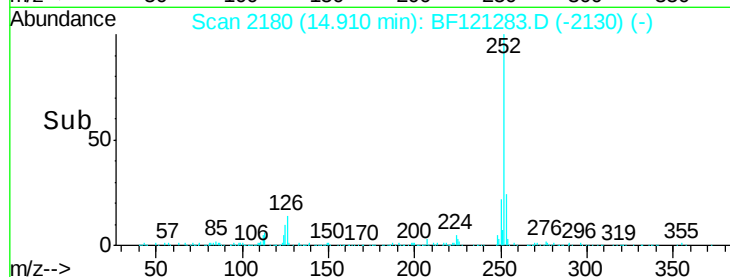
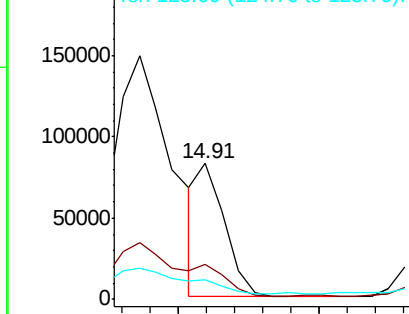
Tot Ion:	252	Resp:	55327
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.0	27.0
125	14.2	8.8	13.2

Manual Integrations
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8/14/2020 2:53:29 PM



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



#90

Benzo(a)pyrene

Concen: 18.318 ng

RT: 15.23 min Scan# 2234

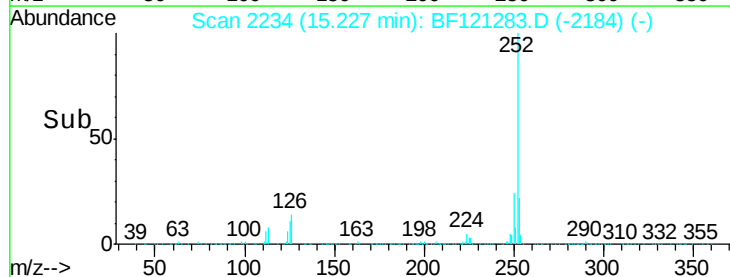
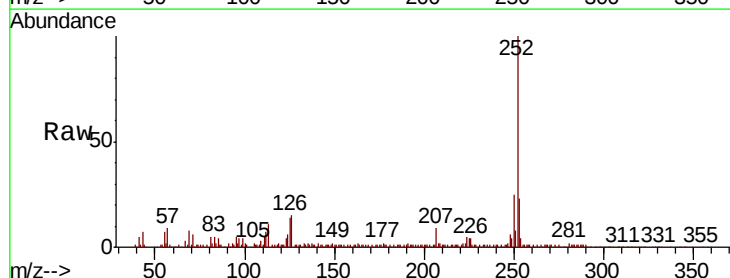
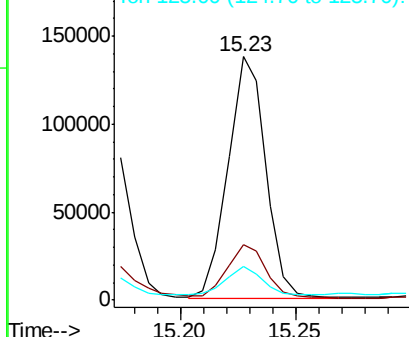
Delta R.T. -0.01 min

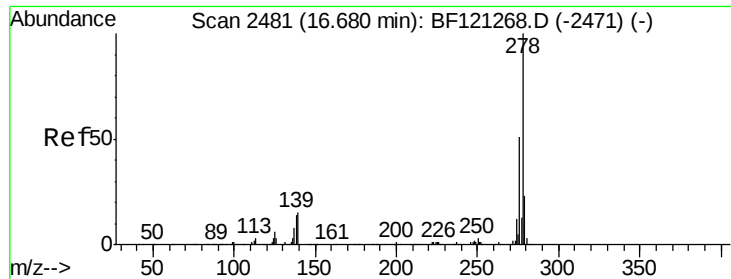
Lab File: BF121283.D

Acq: 13 Aug 2020 21:41

Tgt Ion:	252	Resp:	156560
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	13.7	9.3	13.9

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





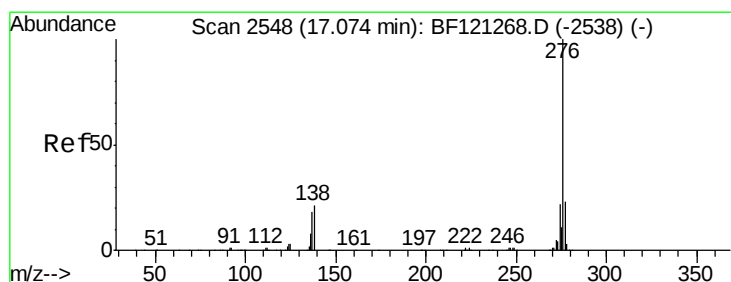
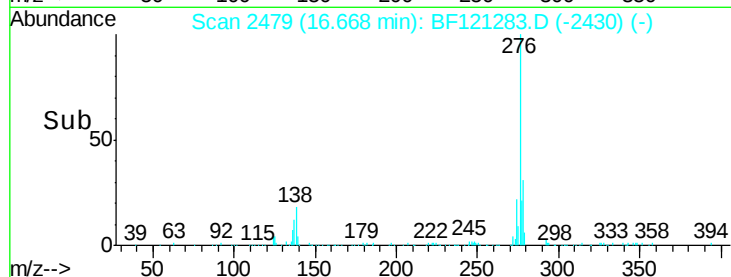
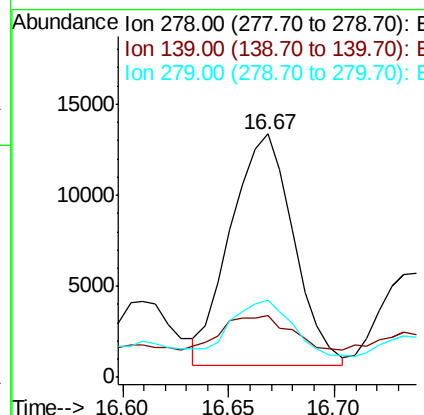
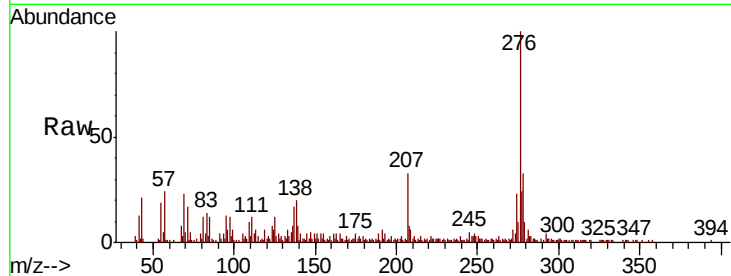
#91
Dibenzo(a,h)anthracene
Concen: 2.915 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Instrument :
BNA_F
ClientSampleId :
TR-05-081120

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.5	12.6	19.0#
279	31.8	18.8	28.2#

Manual Integrations
APPROVED

Sohil
8/14/2020 2:53:29 PM



#92
Benzo(g,h,i)perylene
Concen: 10.564 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF121283.D
Acq: 13 Aug 2020 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	23.1	16.2	24.2

