

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121825.D
 Acq On : 5 Oct 2020 19:18
 Operator : JU/CG
 Sample : L4247-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(5-7)

Manual Integrations
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mohammad
 10/7/2020 10:36:10 AM

Quant Time: Oct 06 00:42:39 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	6.76	152	101963	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	378251	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	176612	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	278814	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	221680	20.00	ng	-0.01
86) Perylene-d12	15.37	264	248213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	578373	84.30	ng	0.00
7) Phenol-d6	6.40	99	722252	80.24	ng	-0.01
23) Nitrobenzene-d5	7.33	82	477666	67.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	164628	75.00	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	789258	67.68	ng	-0.01
79) Terphenyl-d14	12.87	244	625217	57.14	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.66	152	60845	3.554	ng	Qvalue
50) Dimethylphthalate	9.52	163	90272	7.052	ng	# 94
52) Acenaphthene	9.83	154	53074	4.909	ng	98
55) Dibenzofuran	10.00	168	54099	3.553	ng	99
58) Fluorene	10.35	166	56255	4.831	ng	97
71) Phenanthrene	11.31	178	616654	40.594	ng	98
72) Anthracene	11.36	178	218514	13.939	ng	99
73) Carbazole	11.52	167	54014	3.818	ng	98
75) Fluoranthene	12.50	202	1096550	67.621	ng	99
78) Pyrene	12.73	202	940812	58.087	ng	100
81) Benzo(a)anthracene	13.92	228	556168	39.657	ng	97
83) Chrysene	13.95	228	474408m	33.405	ng	
87) Indeno(1,2,3-cd)pyrene	16.79	276	318133	19.681	ng	94
88) Benzo(b)fluoranthene	14.96	252	661528m	39.867	ng	
89) Benzo(k)fluoranthene	14.98	252	259633m	17.087	ng	
90) Benzo(a)pyrene	15.31	252	501437	35.551	ng	96
91) Dibenzo(a,h)anthracene	16.79	278	85872	6.382	ng	# 78
92) Benzo(g,h,i)perylene	17.22	276	286337	21.648	ng	100

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

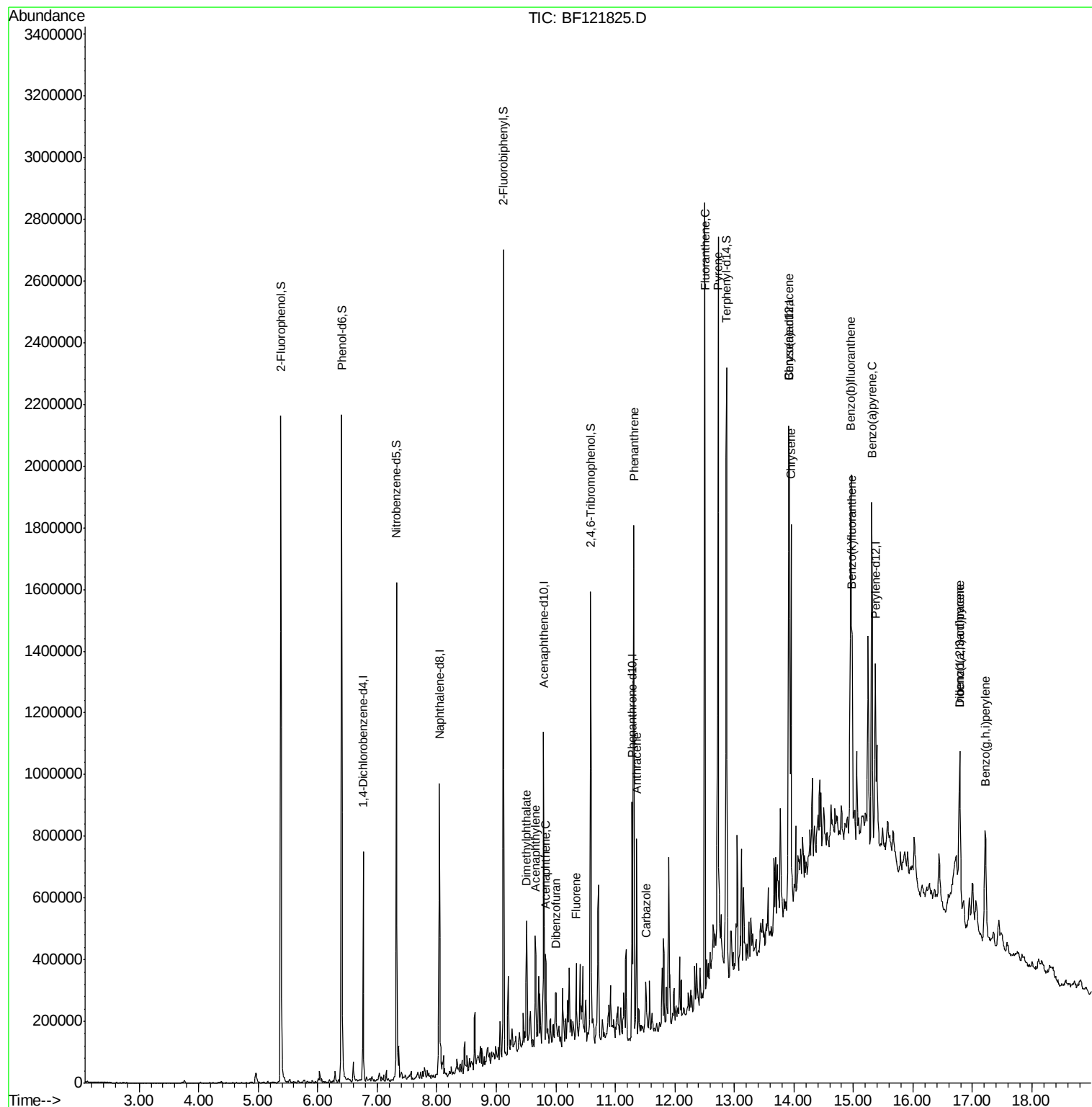
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121825.D
Acq On : 5 Oct 2020 19:18
Operator : JU/CG
Sample : L4247-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

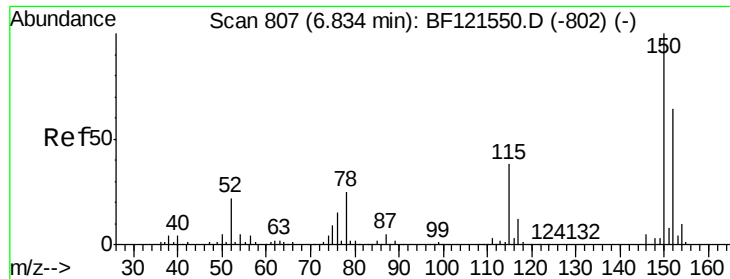
Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

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Quant Time: Oct 06 00:42:39 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

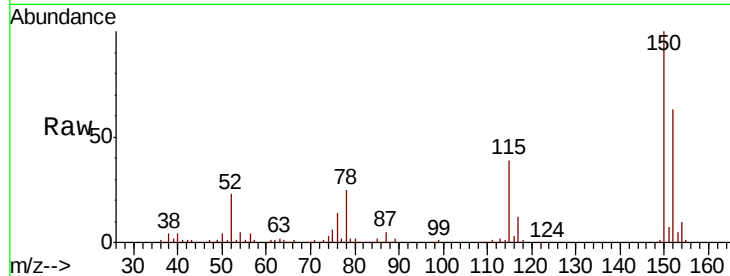
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampled :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.3	187.9
115	61.5	51.9	77.9

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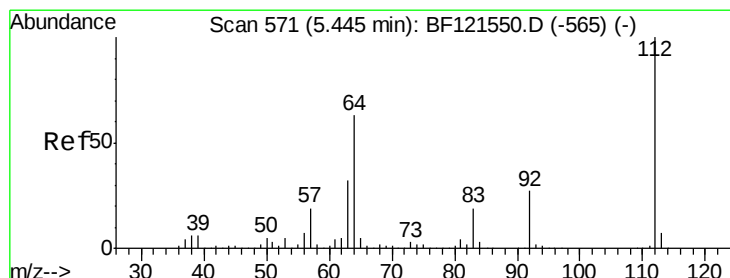
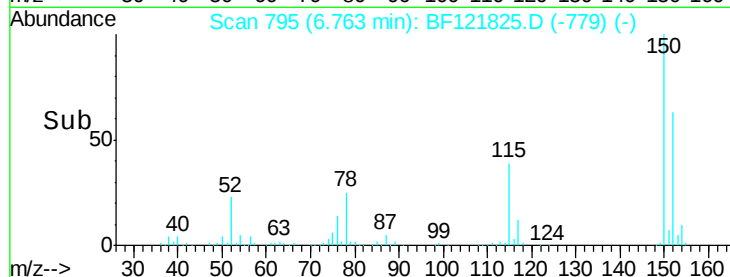
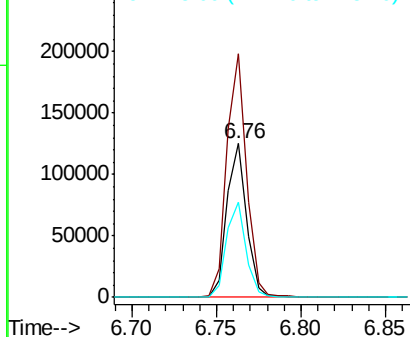


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

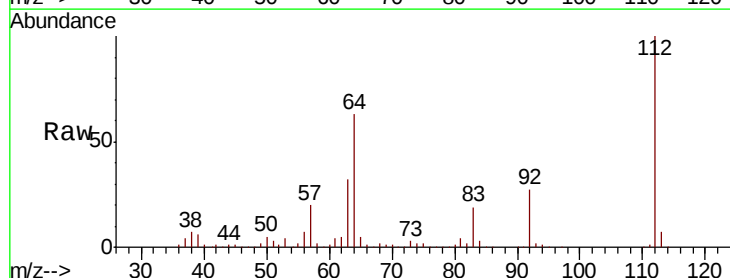
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.299 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	50.4	75.6
63	32.5	25.8	38.6

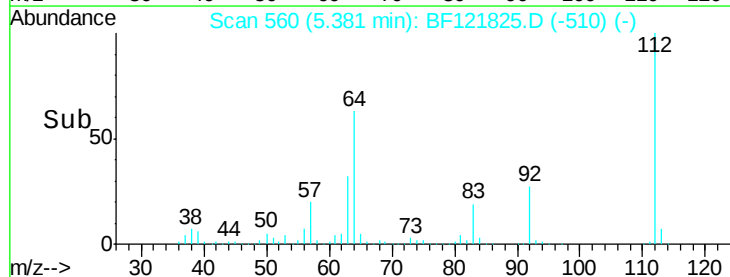
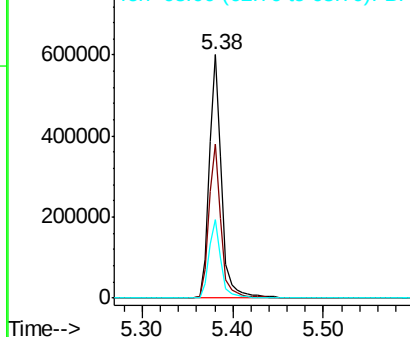


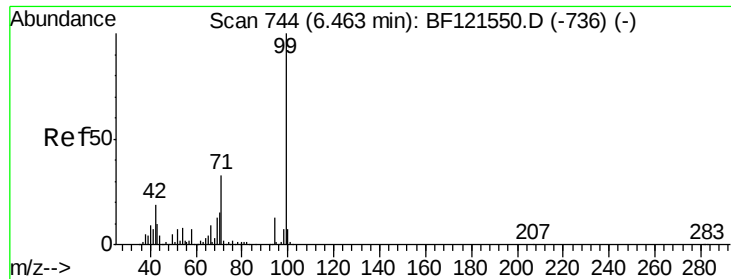
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 80.239 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

Instrument :

BNA_F

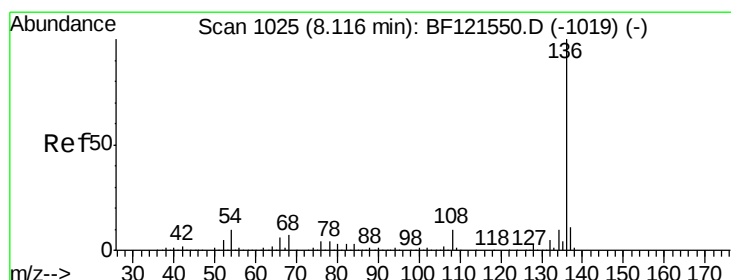
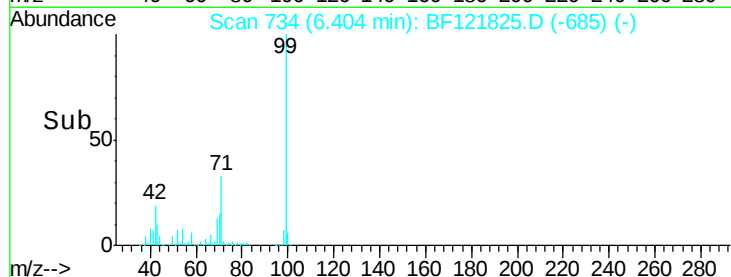
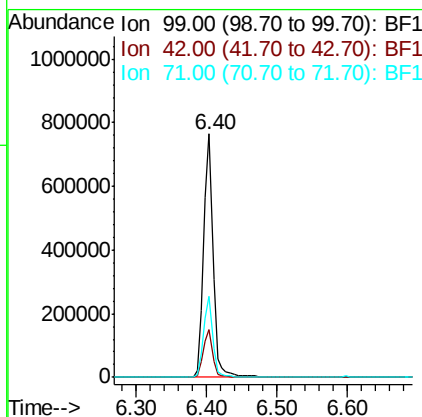
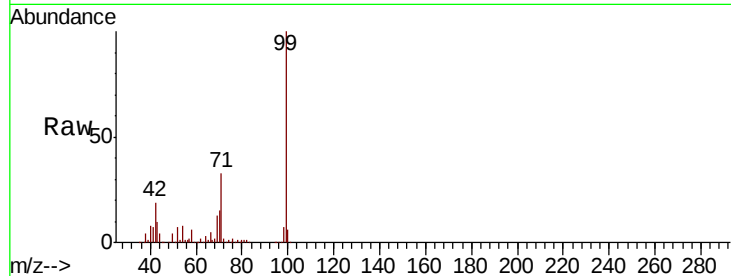
ClientSampled :

B-19(5-7)

Tot Ion:	99	Resp:	722252
Ion Ratio	Lower	Upper	
99	100		
42	19.5	15.9	23.9
71	33.1	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

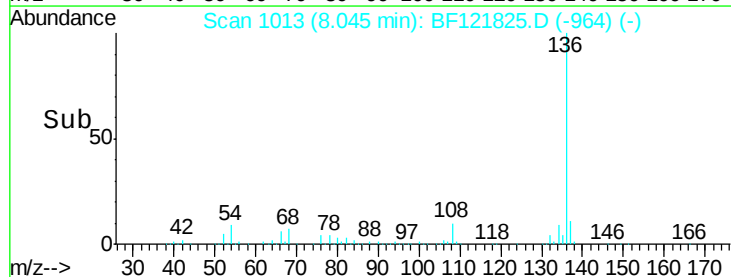
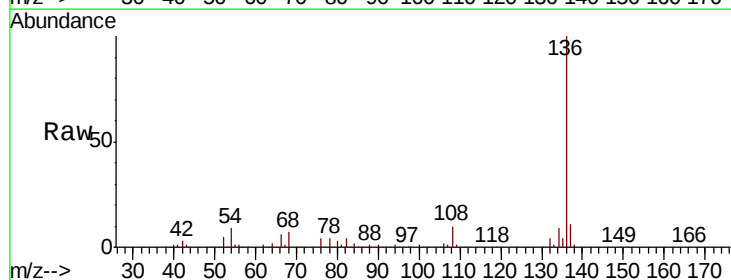
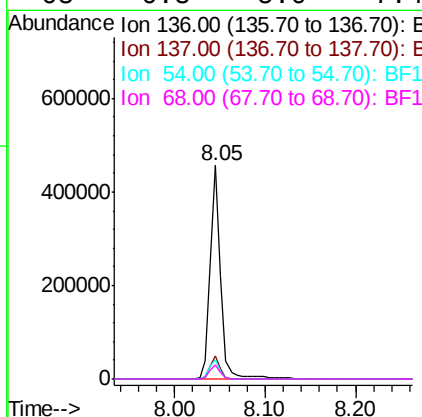
RT: 8.05 min Scan# 1013

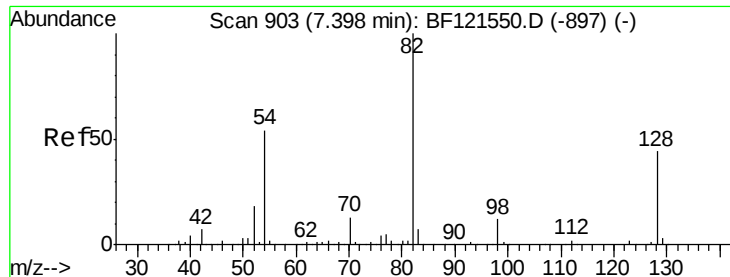
Delta R.T. -0.01 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

Tgt Ion:	136	Resp:	378251
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	9.1	7.1	10.7
68	6.8	5.0	7.4





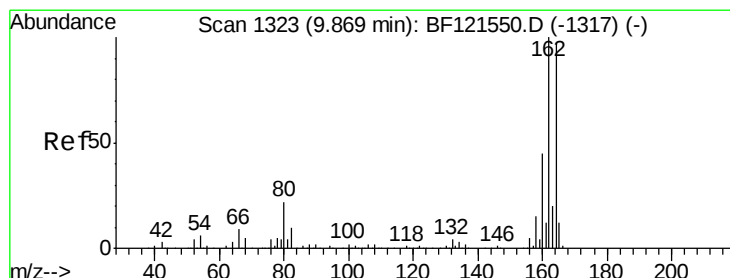
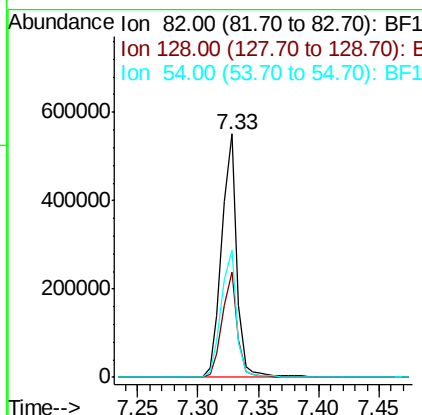
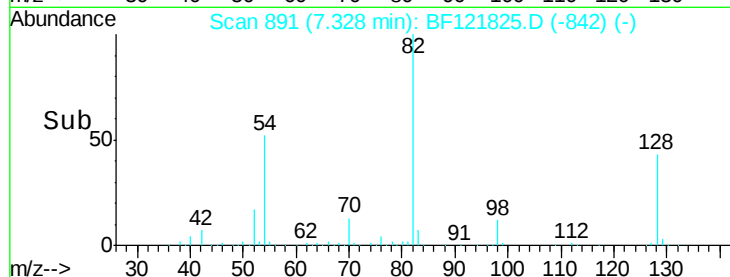
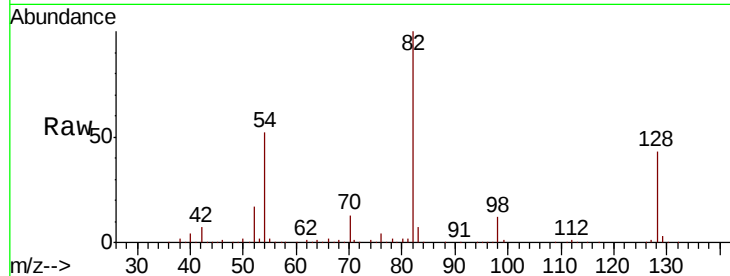
#23
Nitrobenzene-d5
Concen: 67.804 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.0	52.4
54	52.3	43.9	65.9

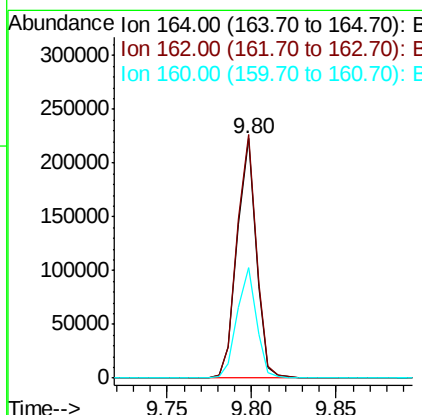
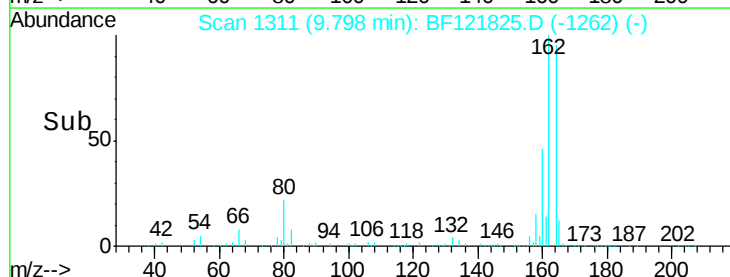
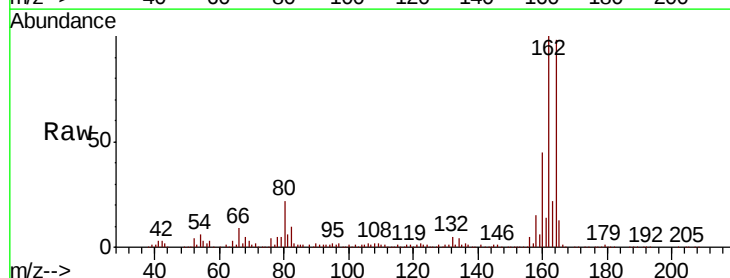
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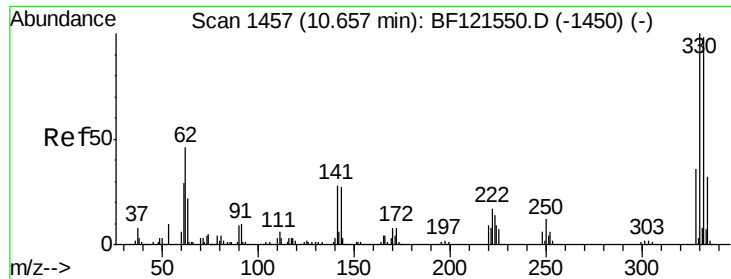
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.2	124.8
160	46.1	37.5	56.3





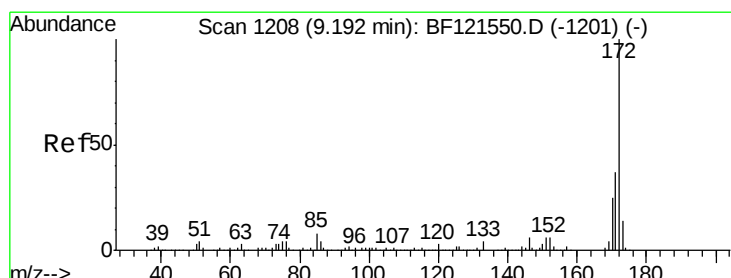
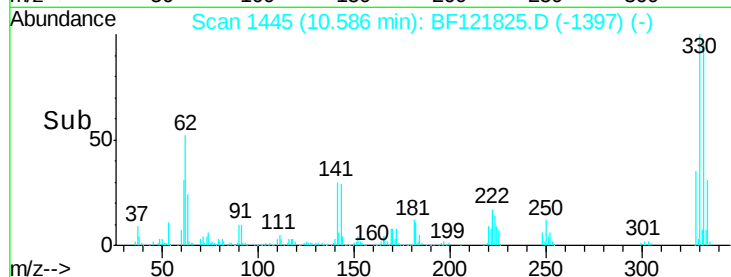
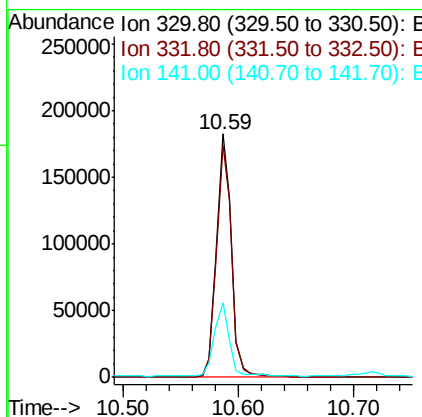
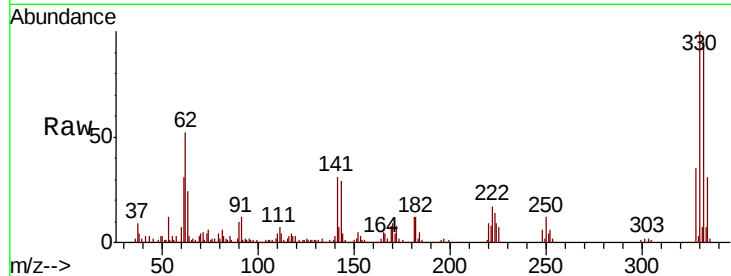
#42
 2,4,6-Tribromophenol
 Concen: 75.000 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121825.D
 Acq: 5 Oct 2020 19:18

Instrument :
 BNA_F
 ClientSampled :
 B-19(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	164628		
332	96.5	77.3	115.9	
141	30.3	22.3	33.5	

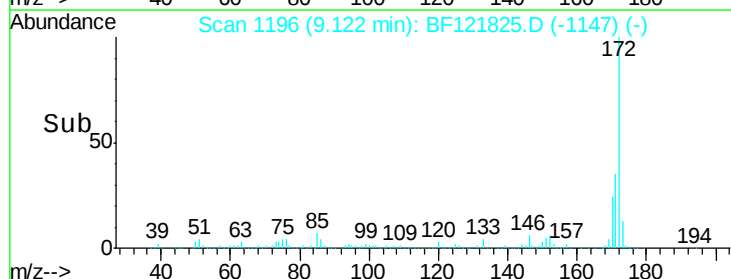
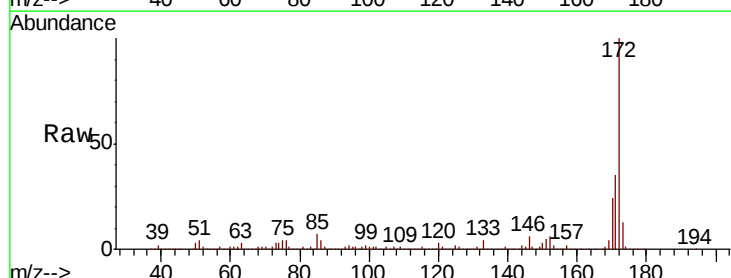
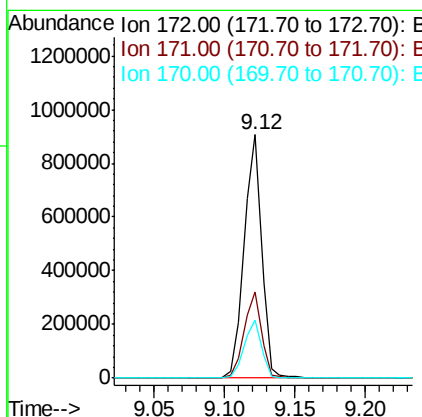
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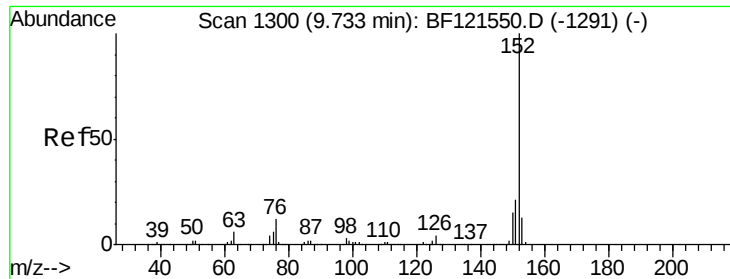
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#45
 2-Fluorobiphenyl
 Concen: 67.683 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121825.D
 Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	789258		
171	35.4	29.1	43.7	
170	23.7	19.8	29.6	





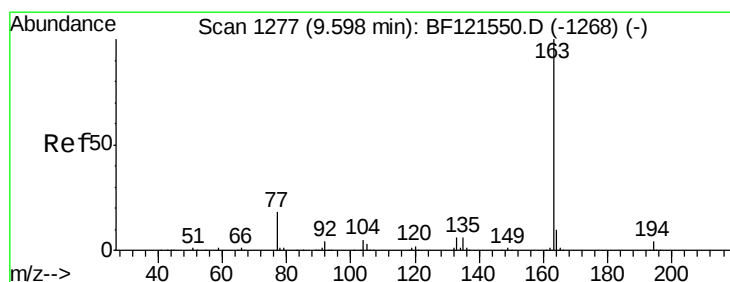
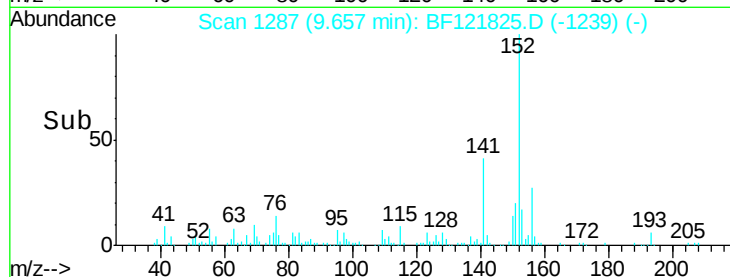
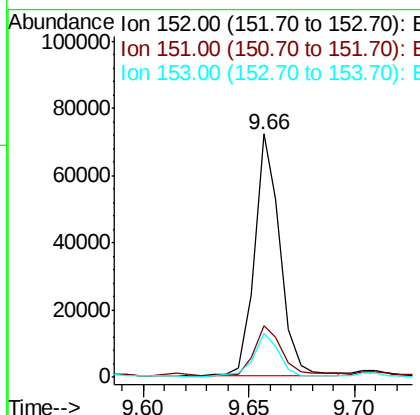
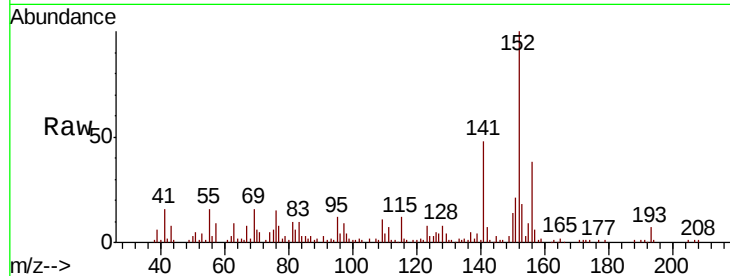
#49
Acenaphthylene
Concen: 3.554 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.4	24.6
153	18.2	10.6	15.8

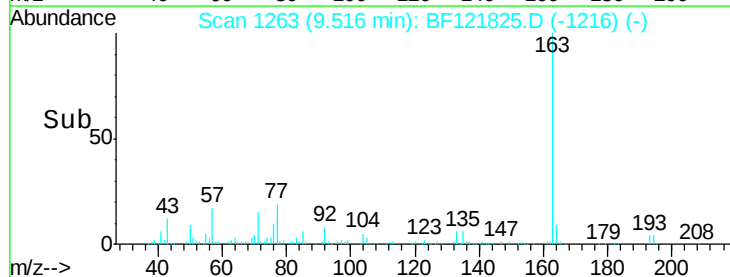
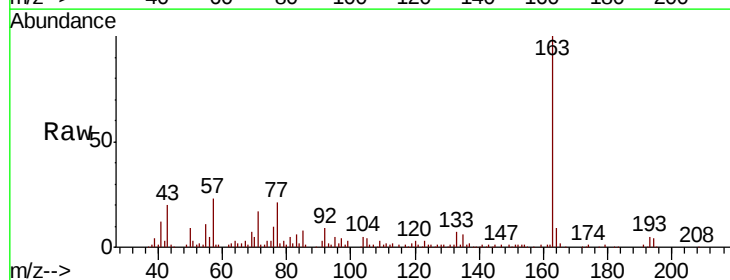
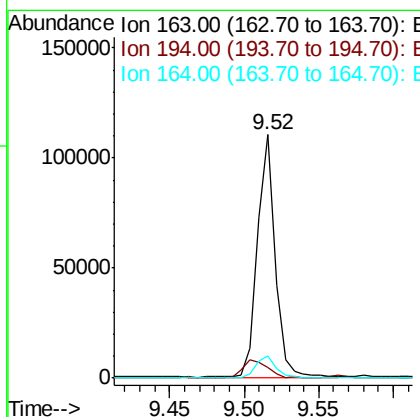
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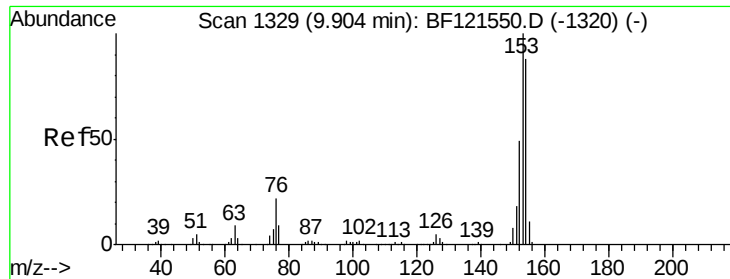
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#50
Dimethylphthalate
Concen: 7.052 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.3	8.2	12.4





#52

Acenaphthene

Concen: 4.909 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

B-19(5-7)

Tot Ion:154 Resp: 53074

Ion Ratio Lower Upper

154 100

153 113.0 89.8 134.8

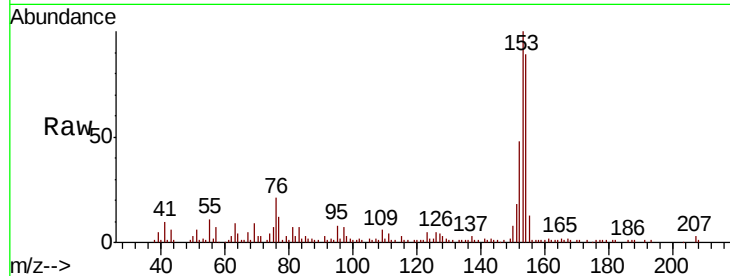
152 54.4 43.2 64.8

Manual Integrations

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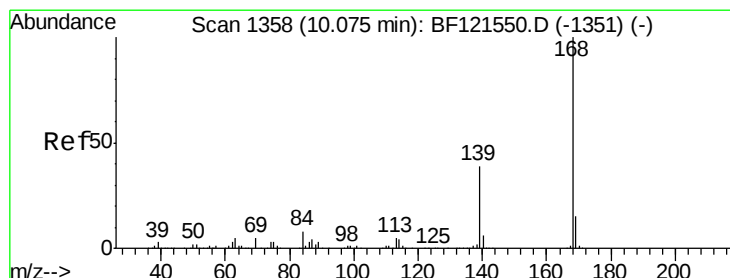
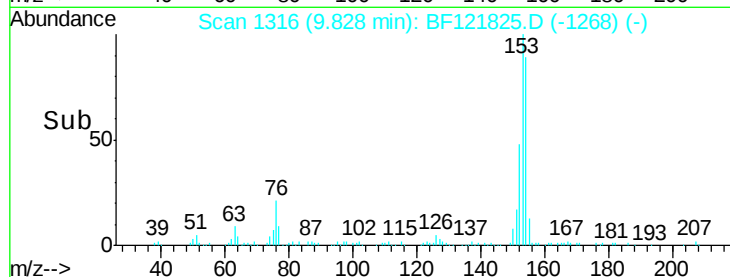
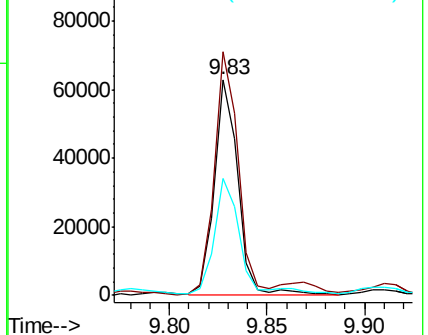
10/7/2020 10:36:10 AM



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: 3.553 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

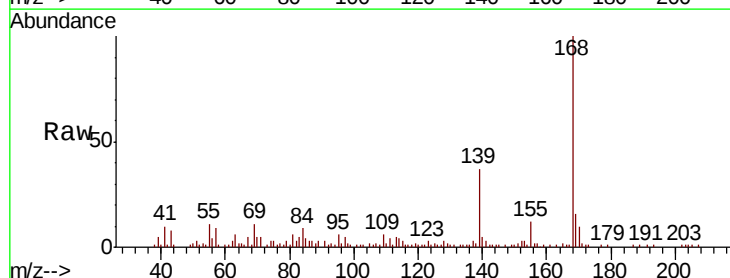
Tgt Ion:168 Resp: 54099

Ion Ratio Lower Upper

168 100

139 37.3 31.0 46.6

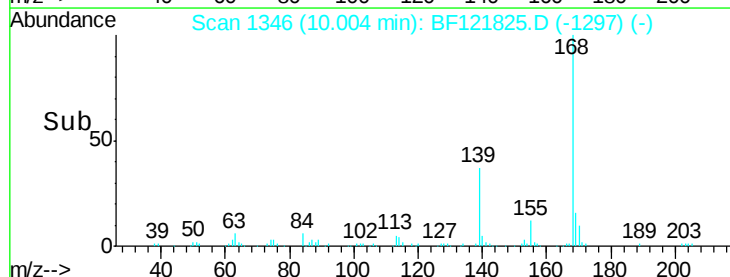
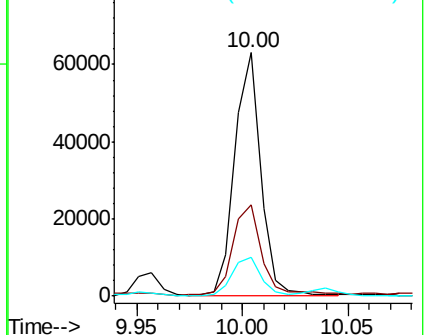
169 16.1 11.3 16.9

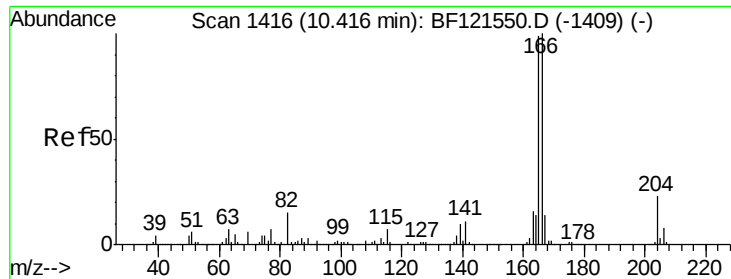


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





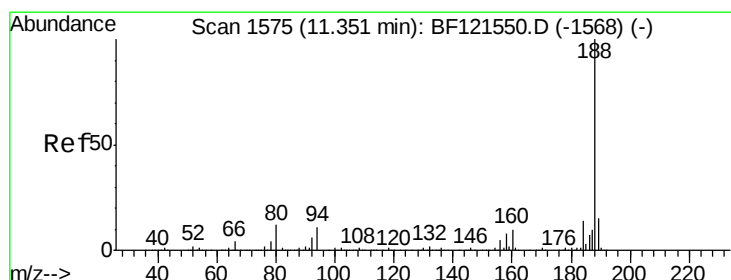
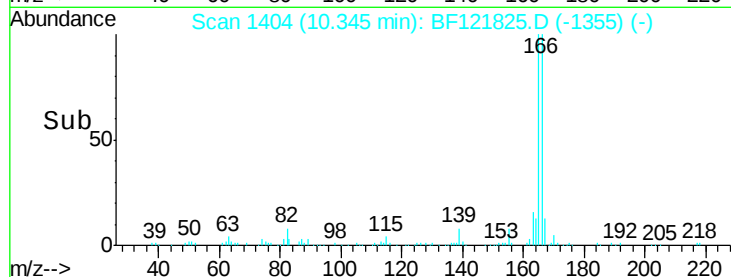
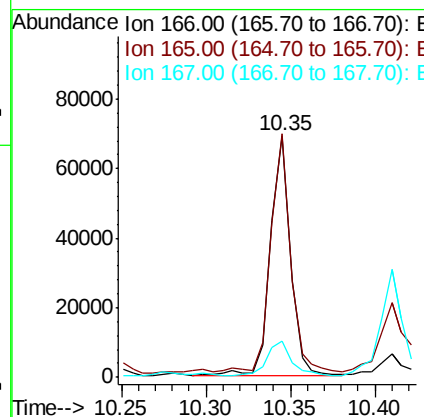
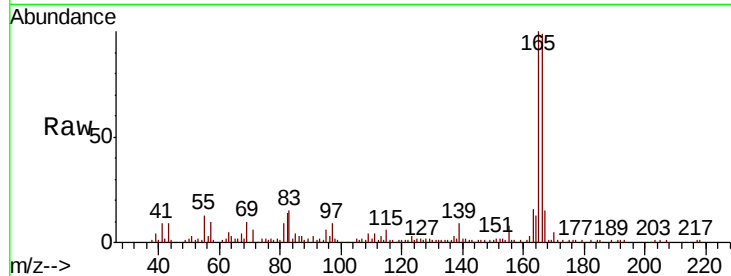
#58
 Fluorene
 Concen: 4.831 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF121825.D
 Acq: 5 Oct 2020 19:18

Instrument :
 BNA_F
 ClientSampleId :
 B-19(5-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	100.9	79.1	118.7		
167	15.3	11.0	16.6		

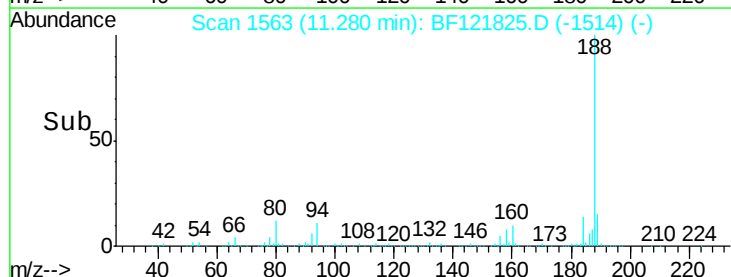
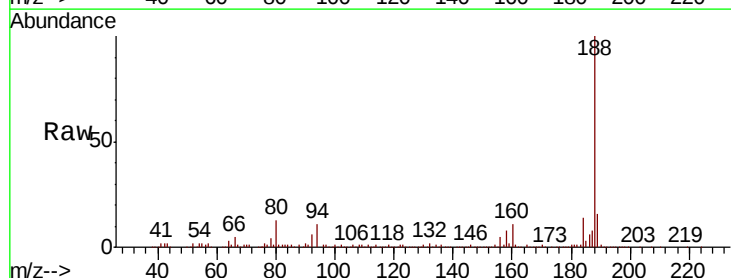
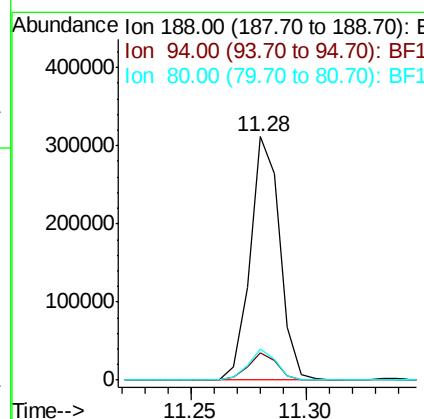
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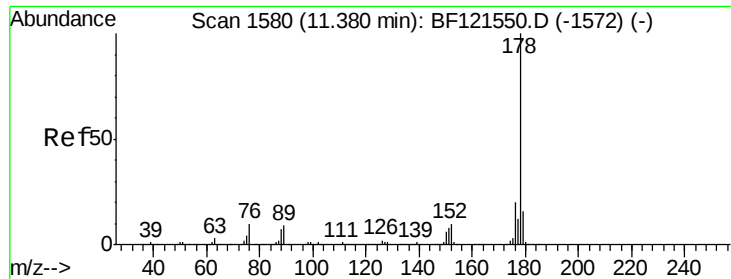
mohammad
 10/7/2020 10:36:10 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121825.D
 Acq: 5 Oct 2020 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.4	8.3	12.5		
80	12.5	9.1	13.7		





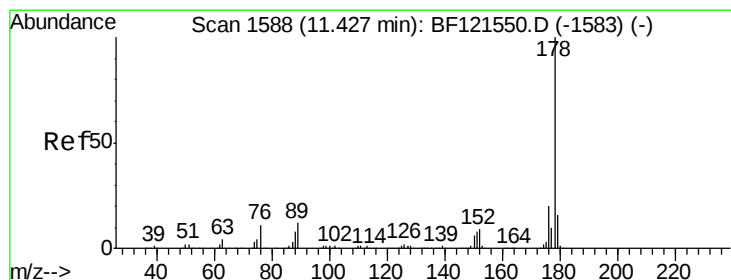
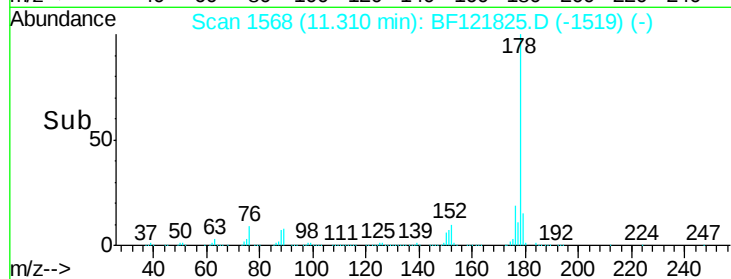
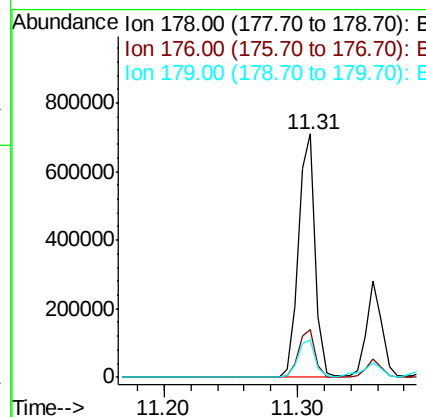
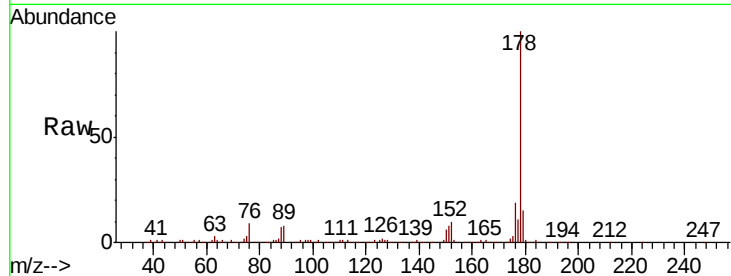
#71
Phenanthrene
Concen: 40.594 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.4	12.2	18.4

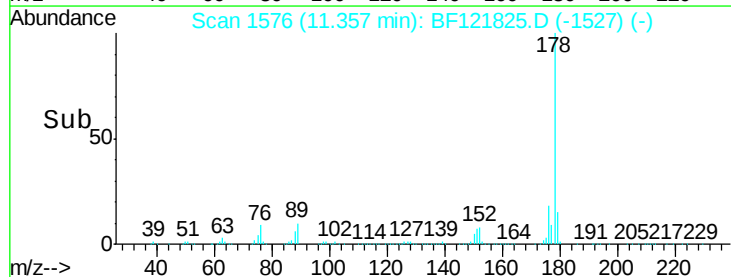
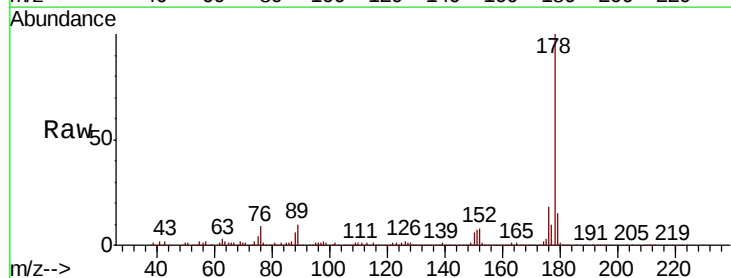
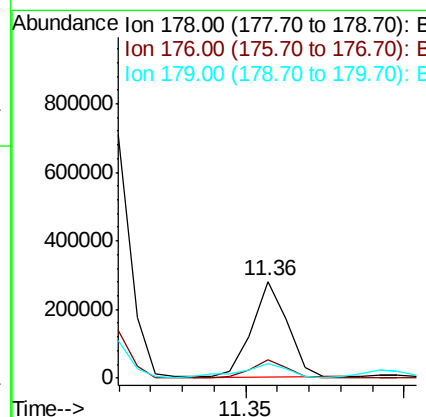
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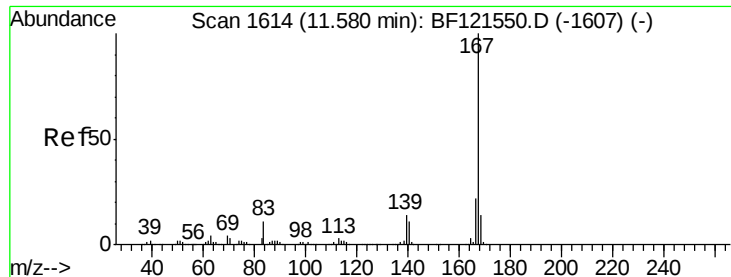
mohammad
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#72
Anthracene
Concen: 13.939 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	15.4	12.7	19.1





#73

Carbazole

Concen: 3.818 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

Instrument :

BNA_F

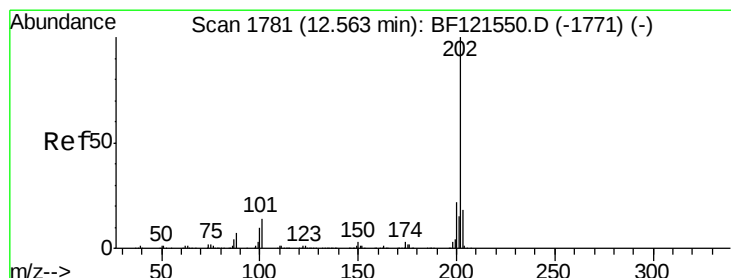
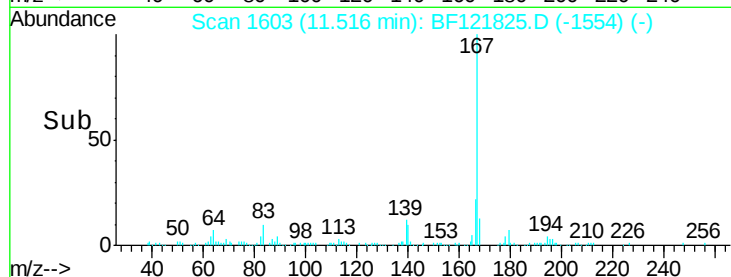
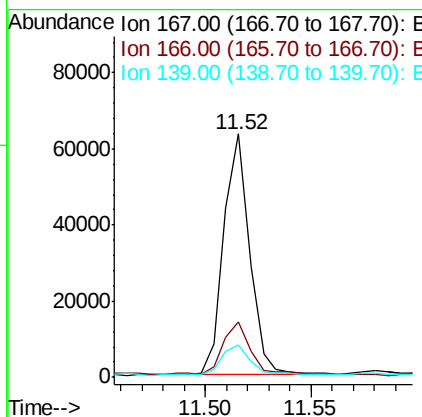
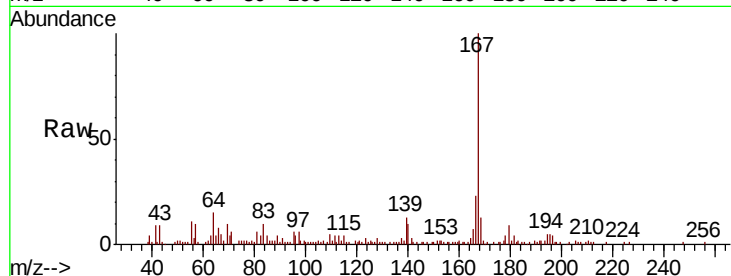
ClientSampleId :

B-19(5-7)

Tot Ion:	167	Resp:	54014
Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.6
139	13.2	10.8	16.2

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#75

Fluoranthene

Concen: 67.621 ng

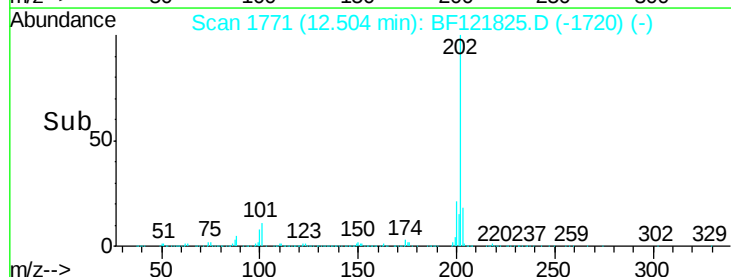
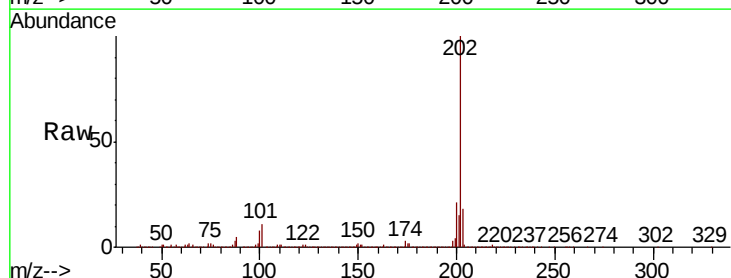
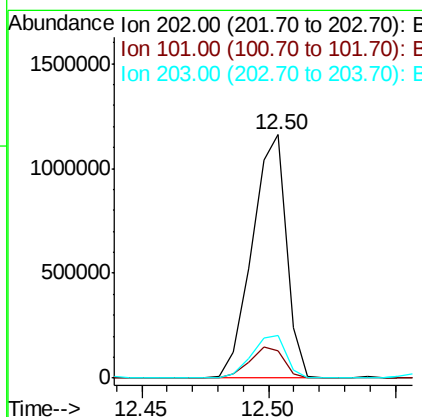
RT: 12.50 min Scan# 1771

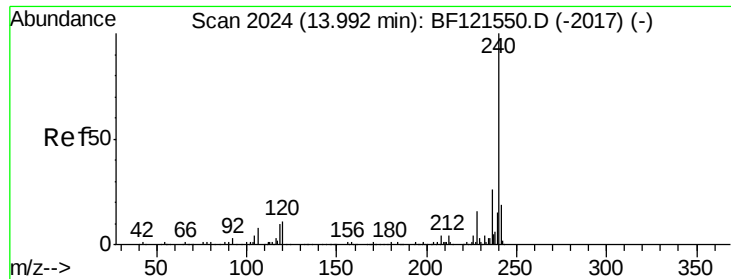
Delta R.T. 0.00 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

Tgt Ion:	202	Resp:	1096550
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.4
203	17.7	0.0	37.9





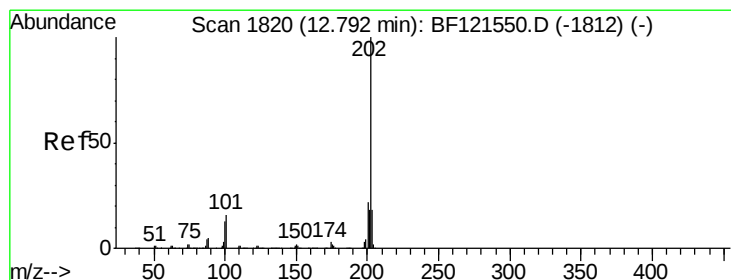
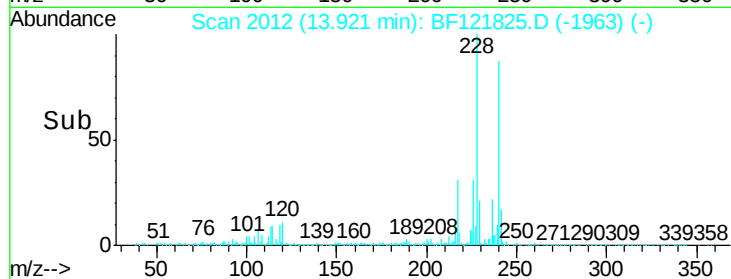
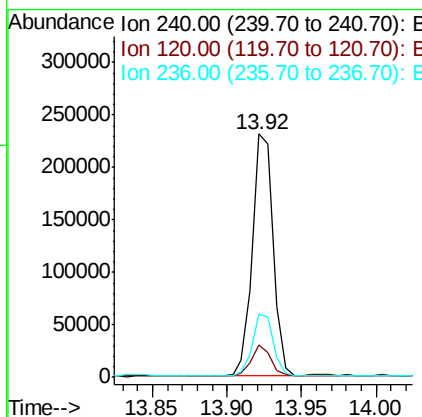
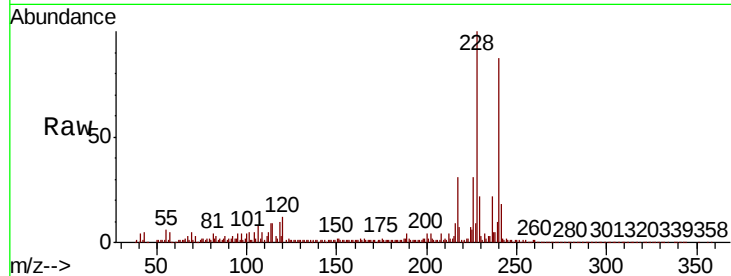
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.2	13.8
236	25.8	20.9	31.3

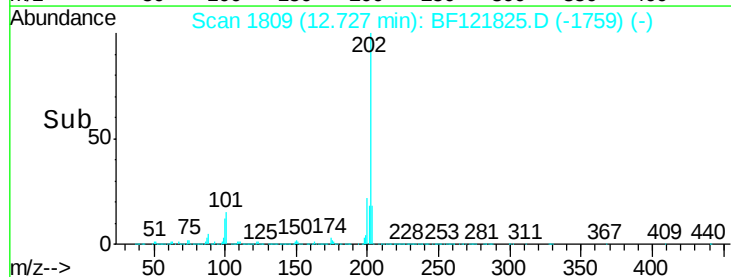
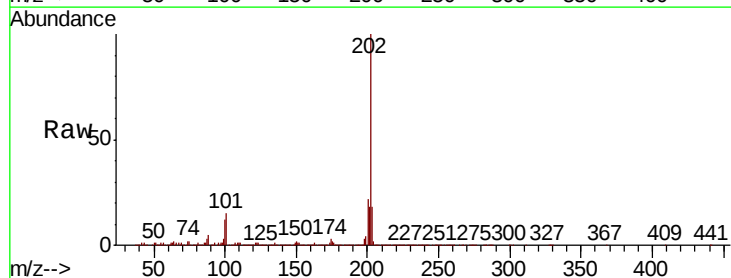
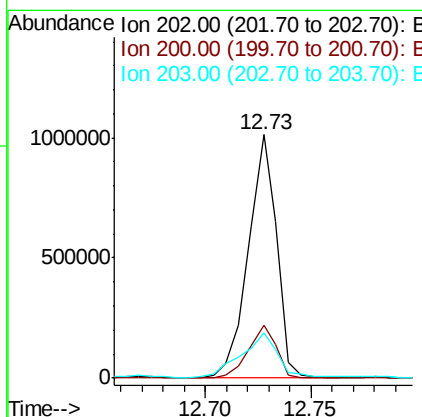
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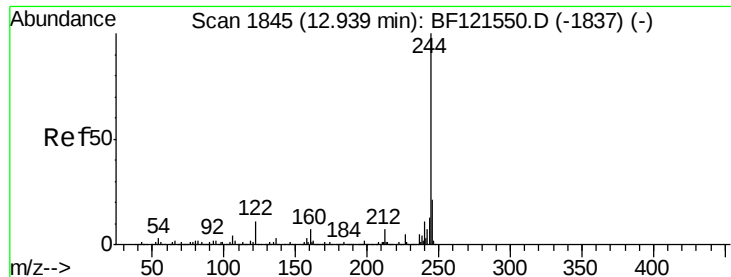
mohammad
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#78
Pyrene
Concen: 58.087 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.6	21.8





#79

Terphenyl-d14

Concen: 57.138 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121825.D

Acq: 5 Oct 2020 19:18

Instrument :

BNA_F

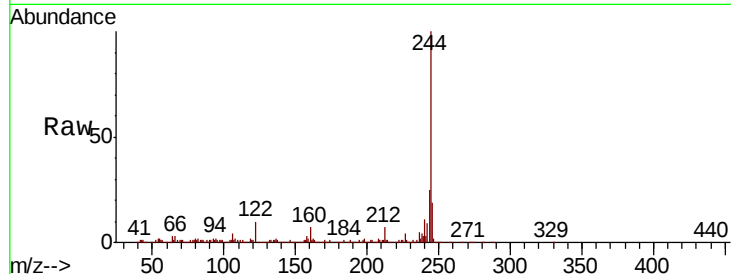
ClientSampleId :

B-19(5-7)

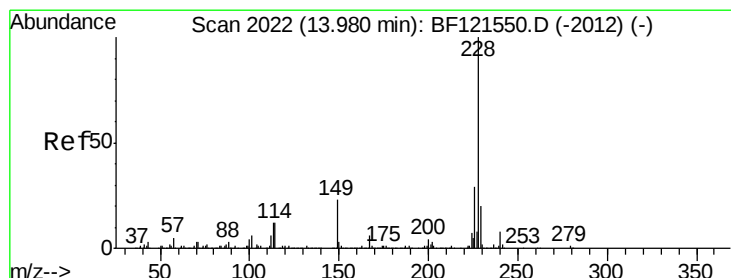
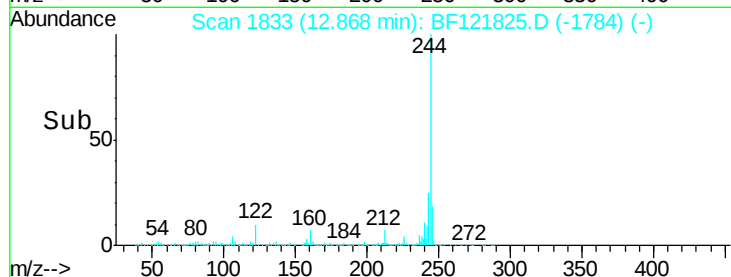
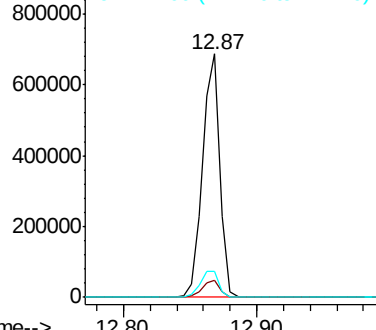
Tot Ion:	244	Resp:	625217
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.5	8.1	12.1

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 39.657 ng

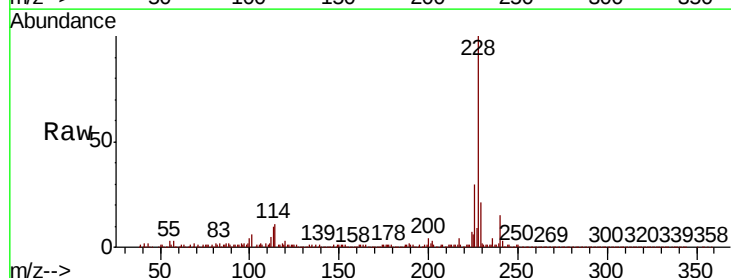
RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

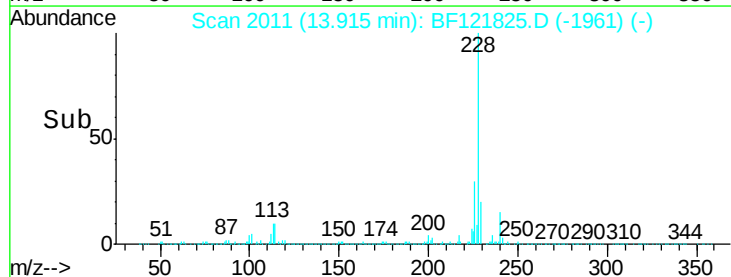
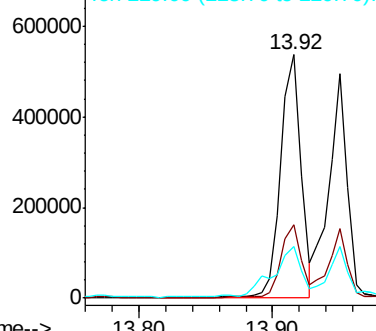
Lab File: BF121825.D

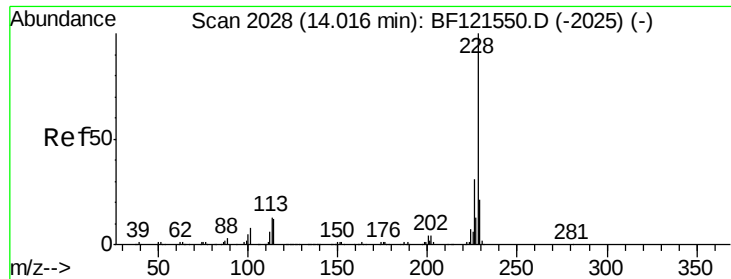
Acq: 5 Oct 2020 19:18

Tgt Ion:	228	Resp:	556168
Ion Ratio		Lower	Upper
228	100		
226	30.1	22.3	33.5
229	21.2	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





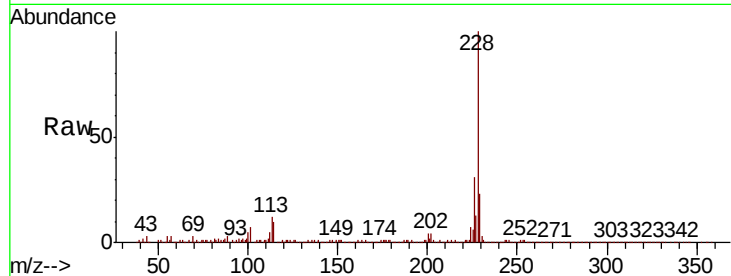
#83
Chrysene
Concen: 33.405 ng/mL
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	23.1	15.9	23.9

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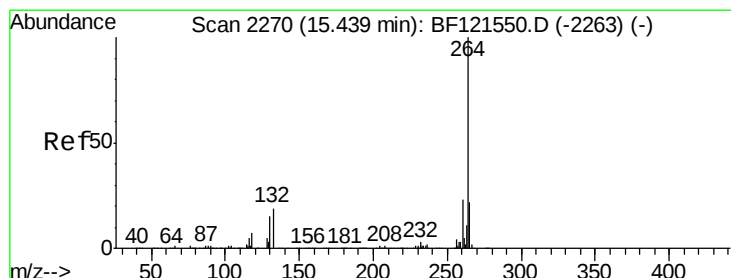
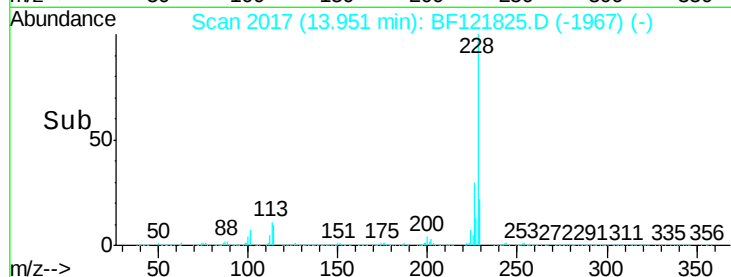
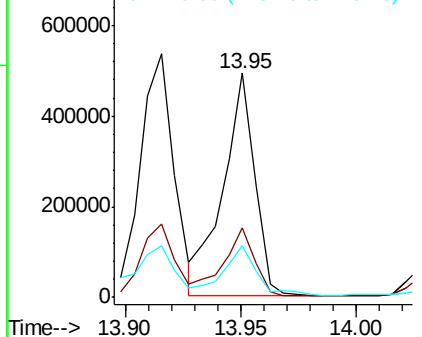


Abundance

Ion 228.00 (227.70 to 228.70): E

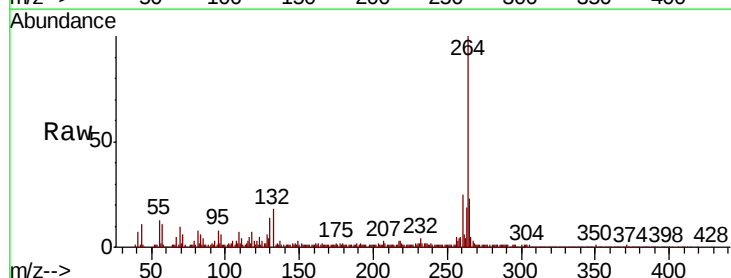
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.000 ng/mL
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	22.8	17.3	25.9

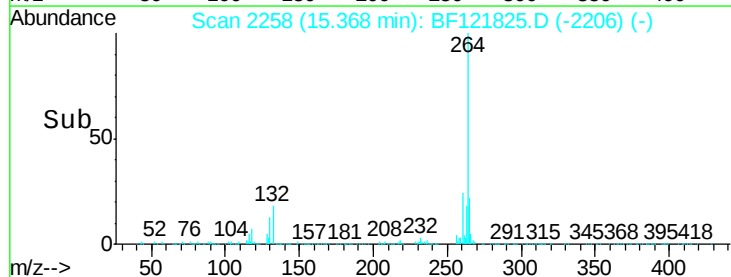
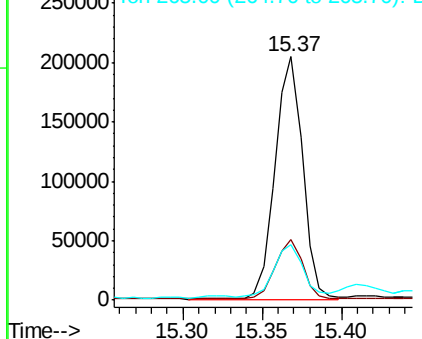


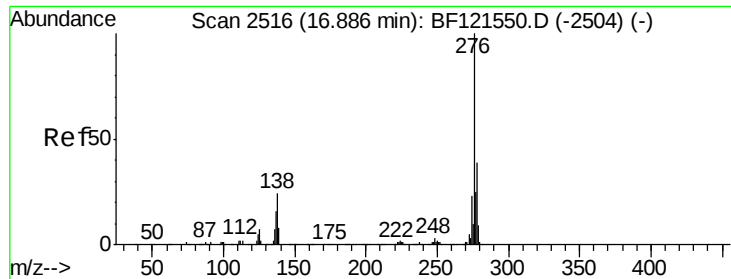
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





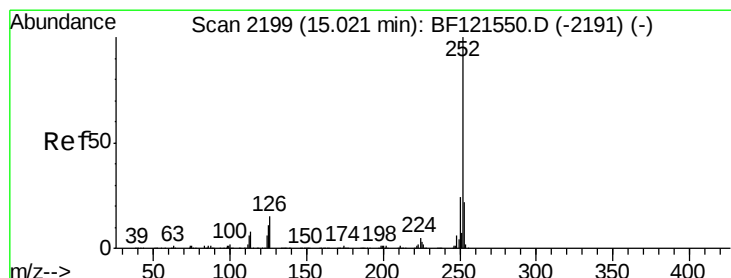
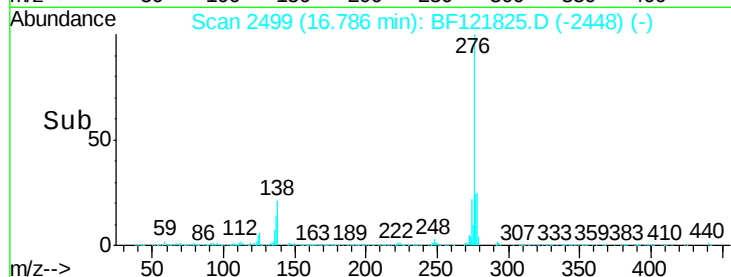
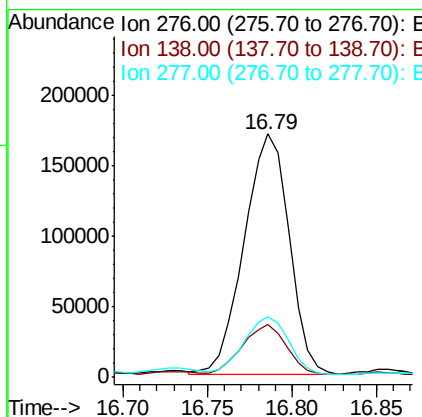
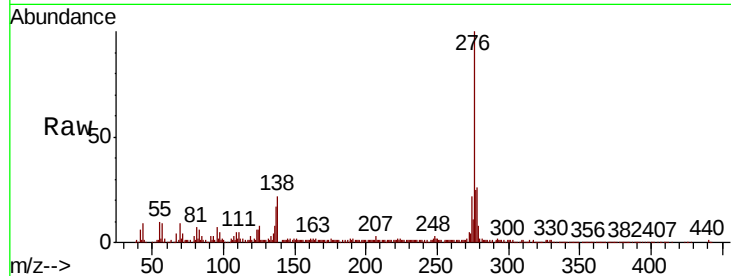
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.681 ng
 RT: 16.79 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: BF121825.D
 Acq: 5 Oct 2020 19:18

Instrument :
 BNA_F
 ClientSampleId :
 B-19(5-7)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.9	29.9
277	23.9	20.4	30.6

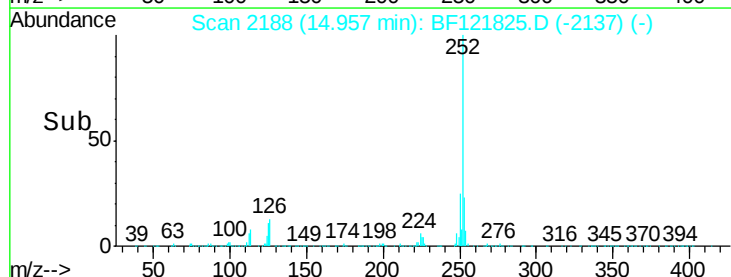
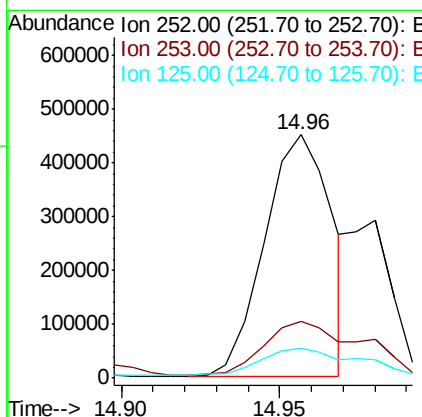
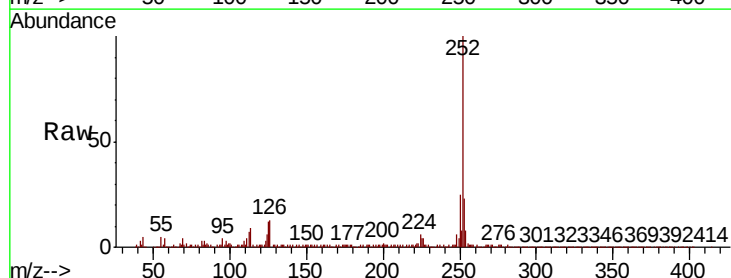
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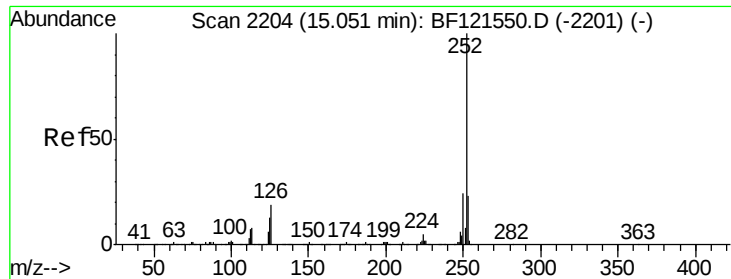
mohammad
 10/7/2020 10:36:10 AM



#88
 Benzo(b)fluoranthene
 Concen: 39.867 ng m
 RT: 14.96 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: BF121825.D
 Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	12.4	8.0	12.0





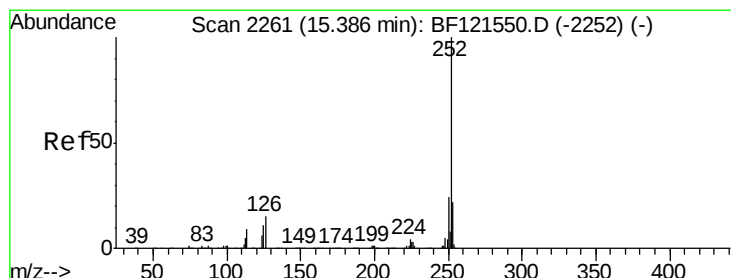
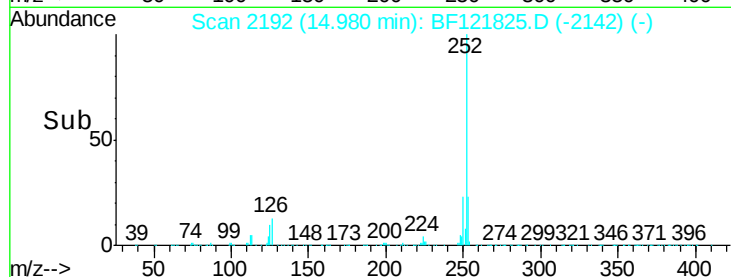
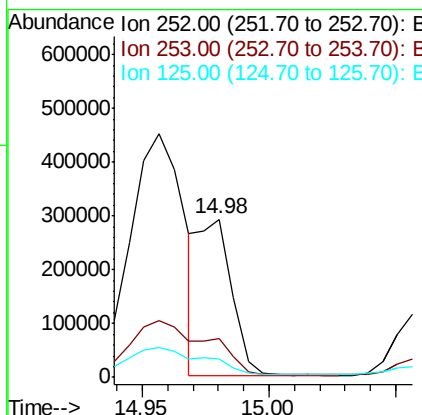
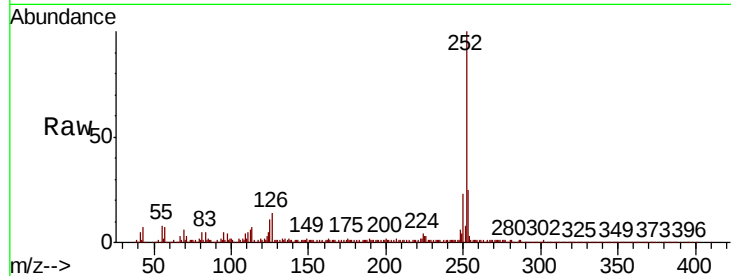
#89
Benzo(k)fluoranthene
Concen: 17.087 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	11.4	7.7	11.5

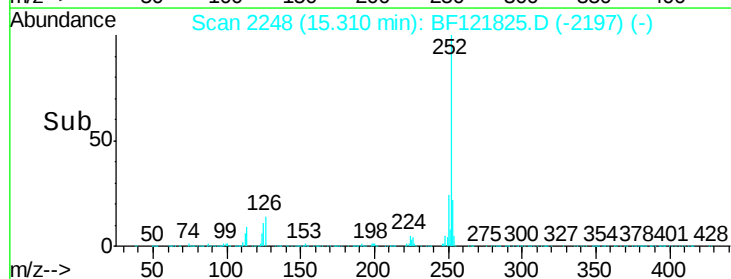
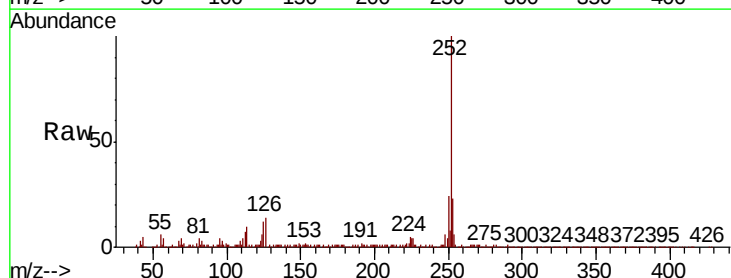
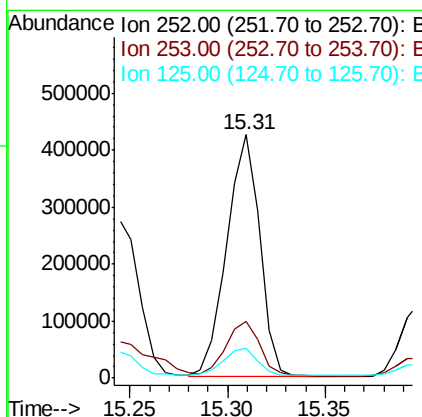
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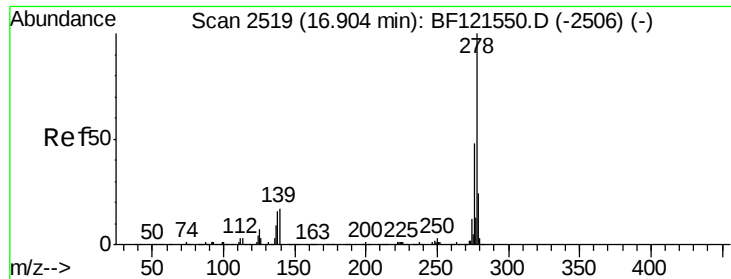
mohammad
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#90
Benzo(a)pyrene
Concen: 35.551 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.3	8.6	13.0





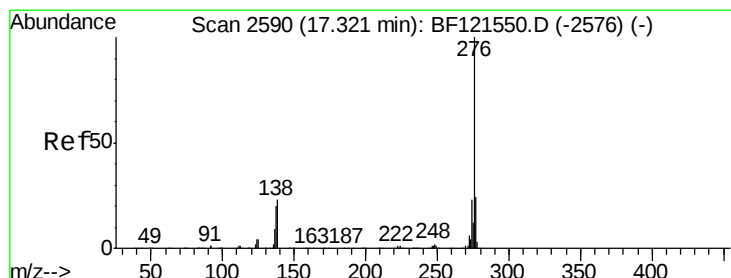
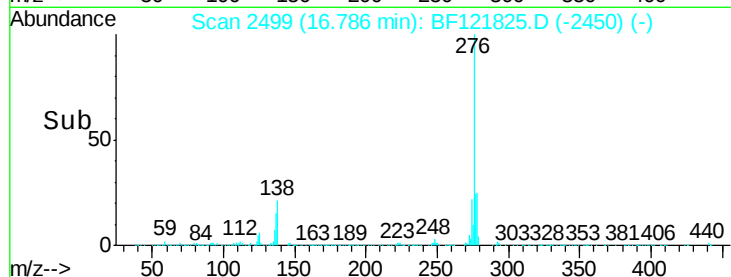
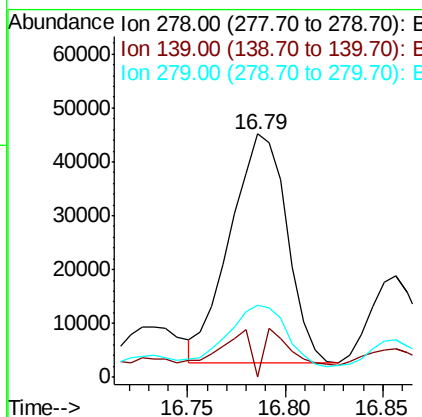
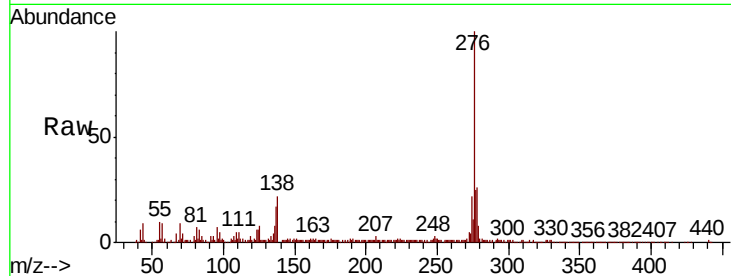
#91
Dibenzo(a,h)anthracene
Concen: 6.382 ng
RT: 16.79 min Scan# 2499
Delta R.T. -0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Instrument :
BNA_F
ClientSampleId :
B-19(5-7)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	29.4	19.0	28.4#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 21.648 ng
RT: 17.22 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BF121825.D
Acq: 5 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.2
138	22.4	17.8	26.6

