

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121805.D
 Acq On : 2 Oct 2020 20:52
 Operator : JU/CG
 Sample : L4213-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-17(5-7)

Manual Integrations
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 10/5/2020 10:27:49 AM

Quant Time: Oct 03 07:56:08 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	119570	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	434319	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	190480	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	301496	20.00	ng	0.00
76) Chrysene-d12	13.93	240	241275	20.00	ng	0.00
86) Perylene-d12	15.36	264	228254	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	628083	78.06	ng	0.00
7) Phenol-d6	6.40	99	806870	76.44	ng	-0.01
23) Nitrobenzene-d5	7.33	82	544211	67.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	156195	65.98	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	907932	72.19	ng	-0.01
79) Terphenyl-d14	12.87	244	726365	60.99	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.07	128	124569	5.433	ng	98
49) Acenaphthylene	9.66	152	71660	3.881	ng	99
50) Dimethylphthalate	9.52	163	102252	7.407	ng	98
52) Acenaphthene	9.83	154	81856	7.019	ng	99
55) Dibenzofuran	10.00	168	74922	4.562	ng	97
58) Fluorene	10.35	166	107773	8.581	ng	100
71) Phenanthrene	11.31	178	1065716	64.877	ng	99
72) Anthracene	11.36	178	320678	18.917	ng	98
73) Carbazole	11.52	167	147899	9.668	ng	98
75) Fluoranthene	12.50	202	1445951	82.459	ng	98
78) Pyrene	12.73	202	1228956	69.715	ng	100
81) Benzo(a)anthracene	13.92	228	783246	51.312	ng	98
83) Chrysene	13.95	228	604673	39.120	ng	97
87) Indeno(1,2,3-cd)pyrene	16.77	276	315599	21.232	ng	95
88) Benzo(b)fluoranthene	14.96	252	789147m	51.717	ng	
89) Benzo(k)fluoranthene	14.97	252	268493m	19.215	ng	
90) Benzo(a)pyrene	15.30	252	547912	42.242	ng	98
91) Dibenzo(a,h)anthracene	16.78	278	82446m	6.663	ng	
92) Benzo(a,h,i)perylene	17.20	276	280285	23.044	ng	99

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

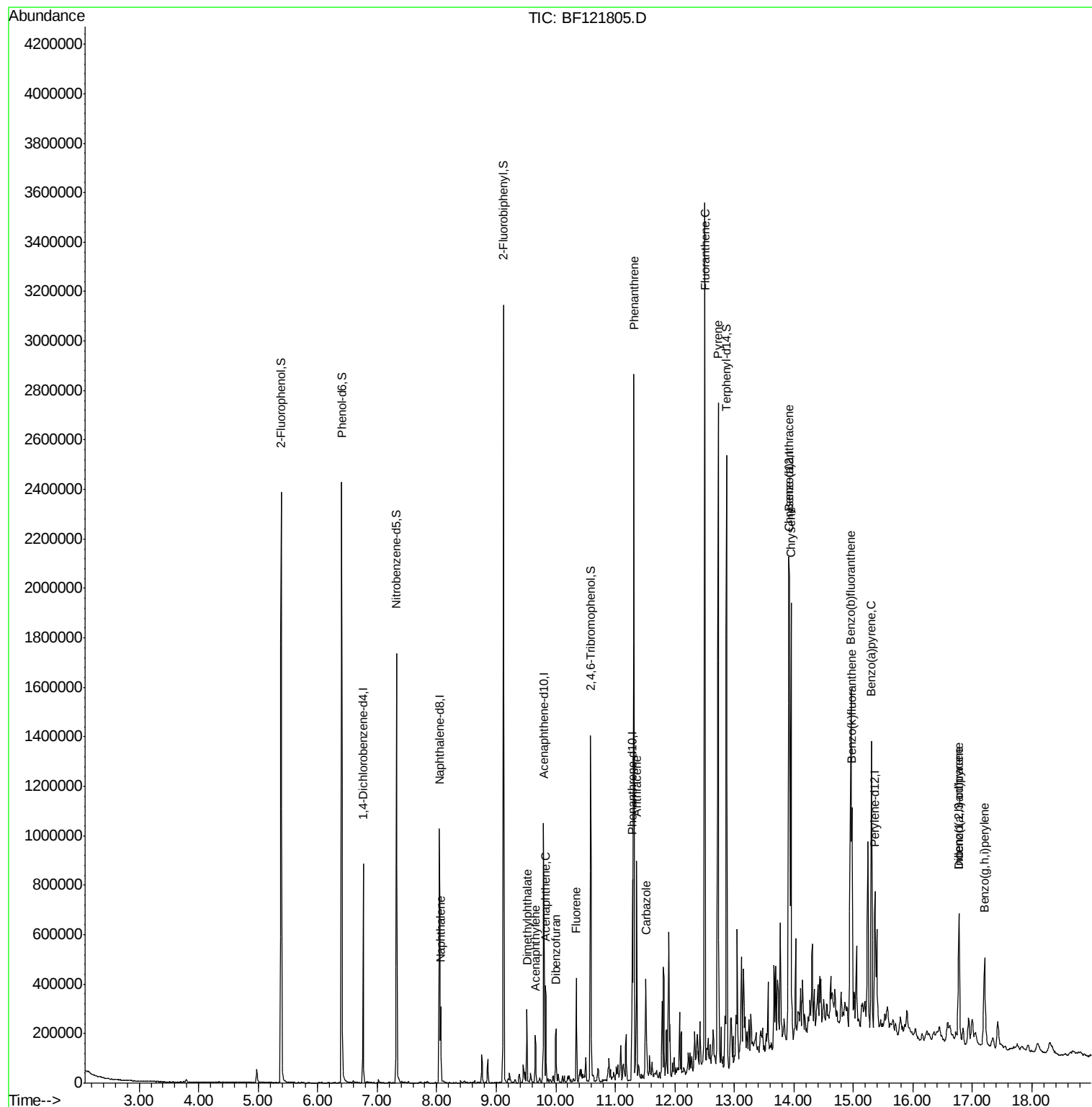
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
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ALS Vial : 20 Sample Multiplier: 1

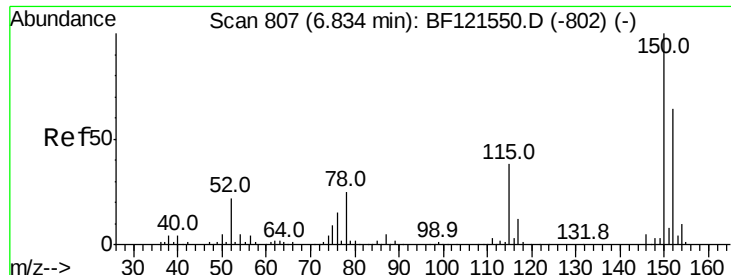
Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

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Quant Time: Oct 03 07:56:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration





#1

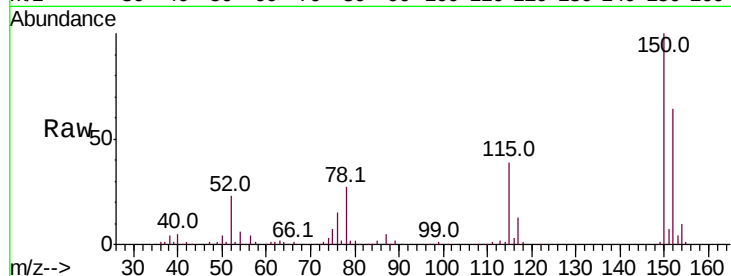
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.3	187.9
115	61.5	51.9	77.9

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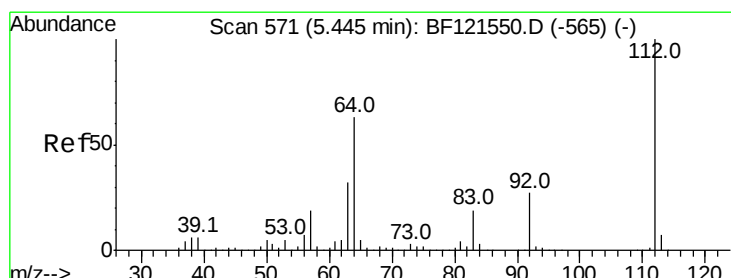
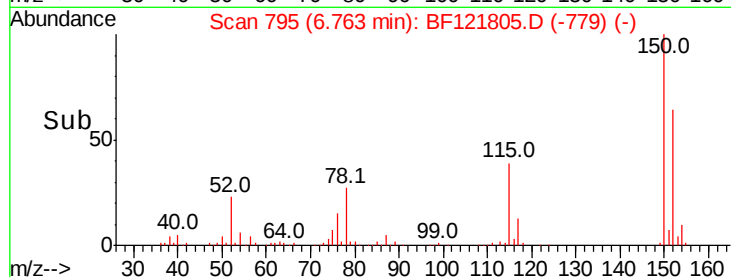
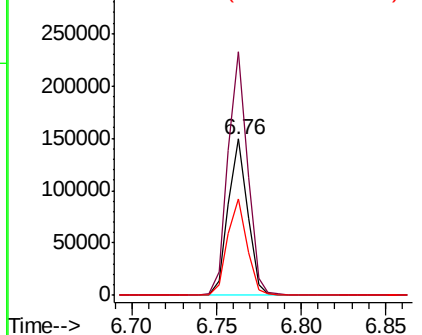


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

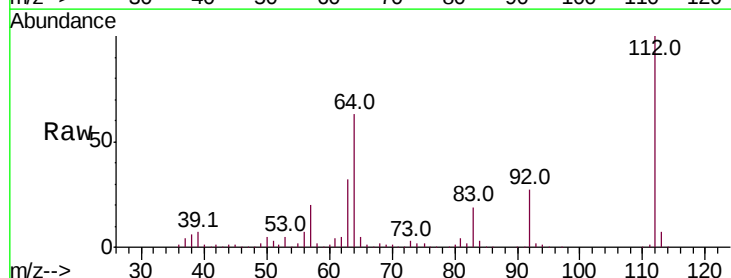
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.064 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	50.4	75.6
63	32.1	25.8	38.6

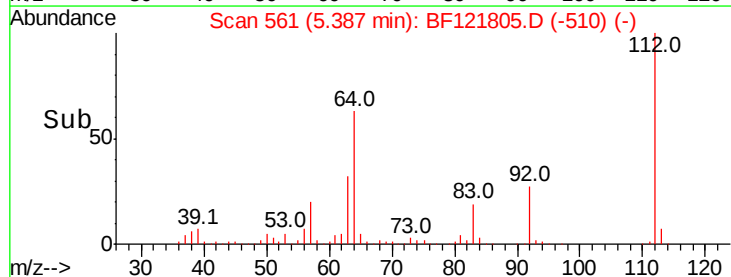
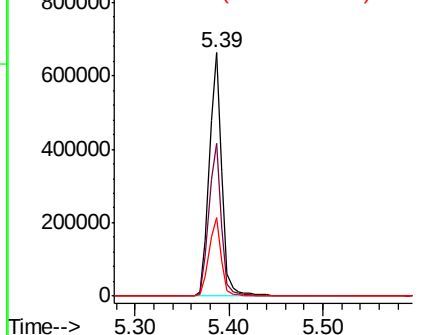


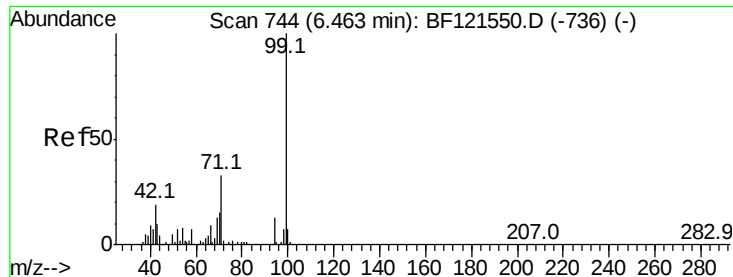
Abundance

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: 76.440 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Instrument :

BNA_F

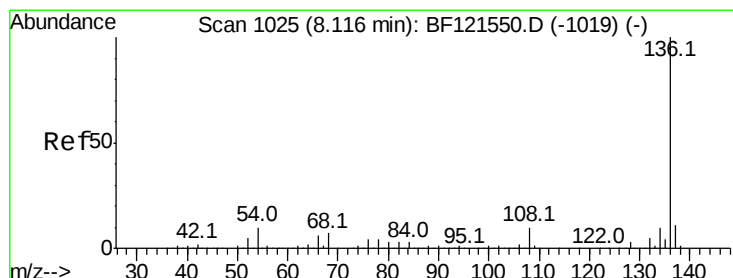
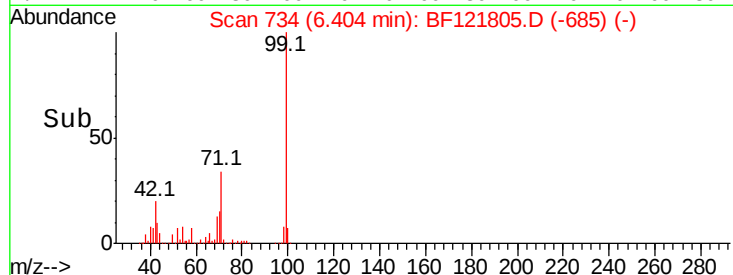
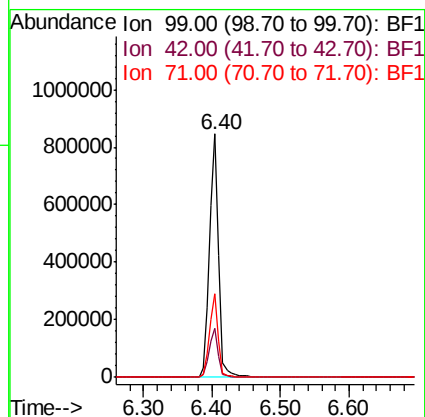
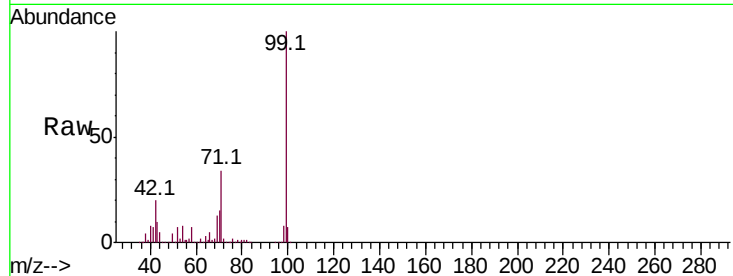
ClientSampleId :

B-17(5-7)

Tot Ion:	99	Resp:	806870
Ion Ratio	Lower	Upper	
99	100		
42	19.9	15.9	23.9
71	34.1	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

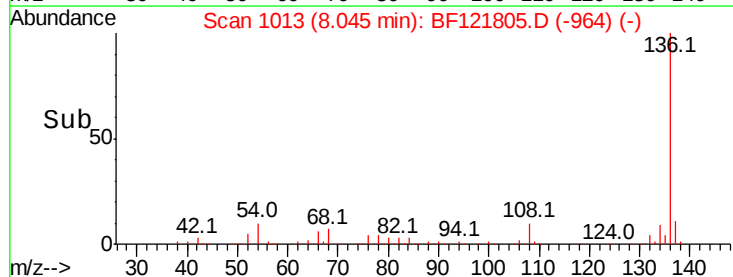
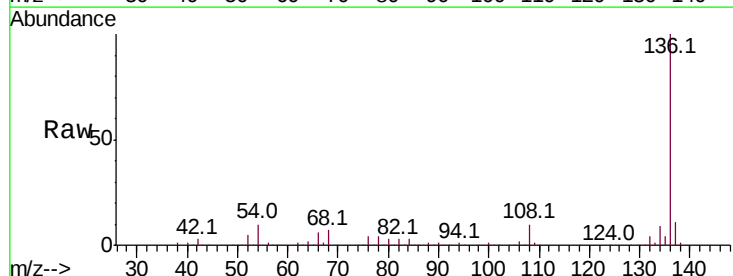
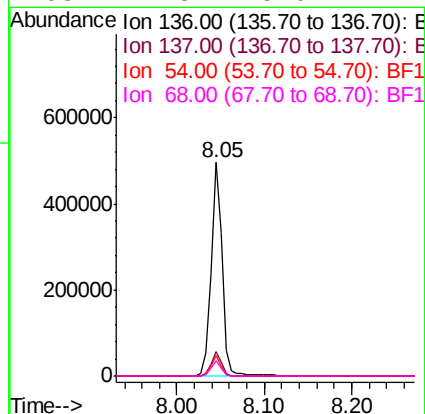
RT: 8.05 min Scan# 1013

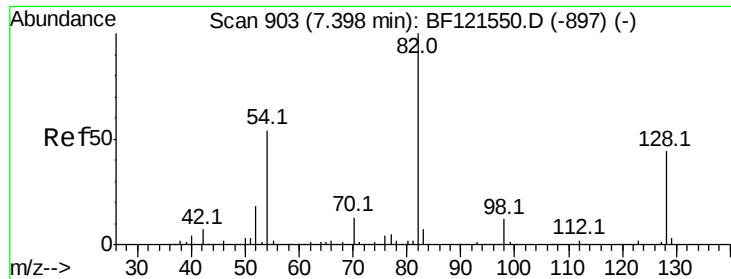
Delta R.T. -0.01 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Tgt Ion:	136	Resp:	434319
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	9.8	7.1	10.7
68	7.3	5.0	7.4





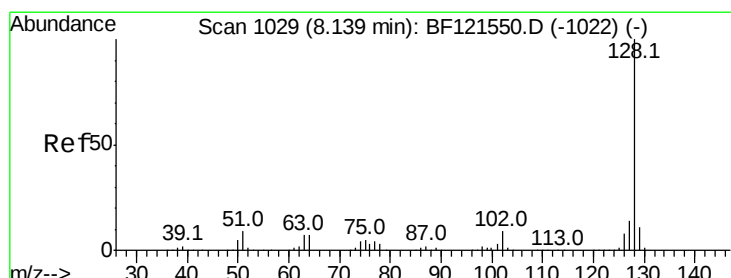
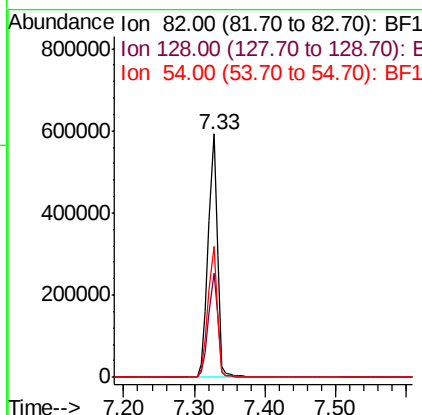
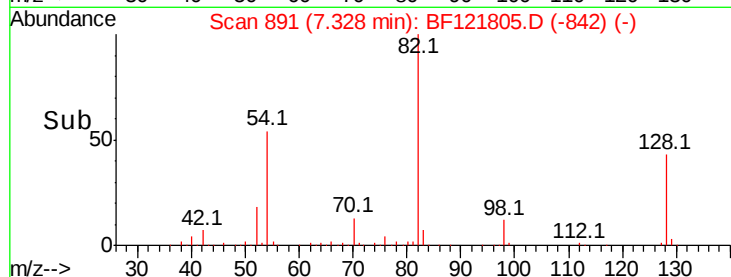
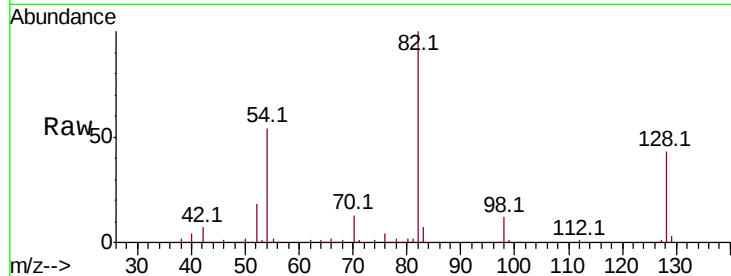
#23
Nitrobenzene-d5
Concen: 67.277 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.0	52.4
54	53.8	43.9	65.9

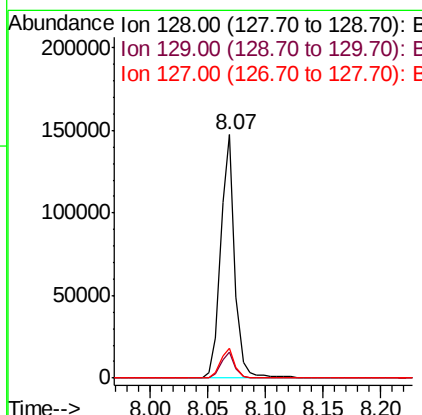
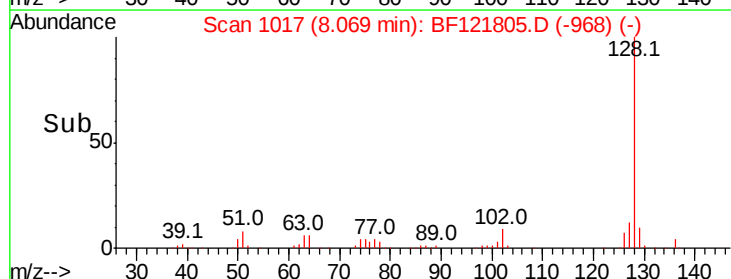
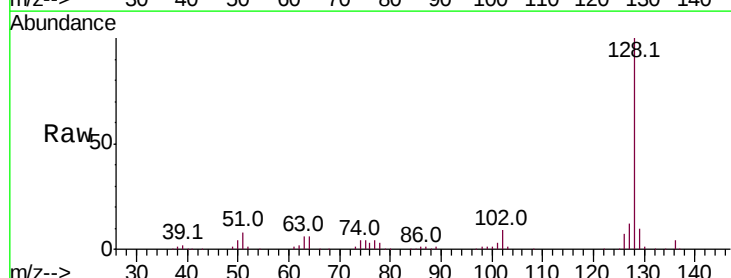
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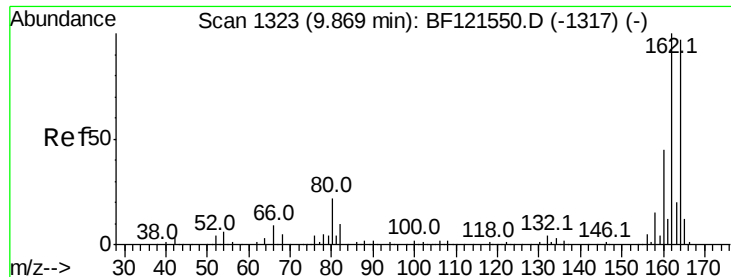
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#31
Naphthalene
Concen: 5.433 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	12.2	10.8	16.2





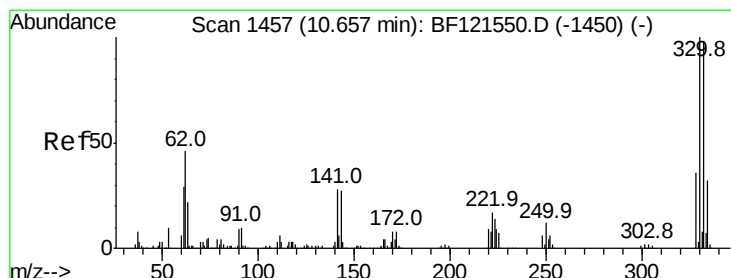
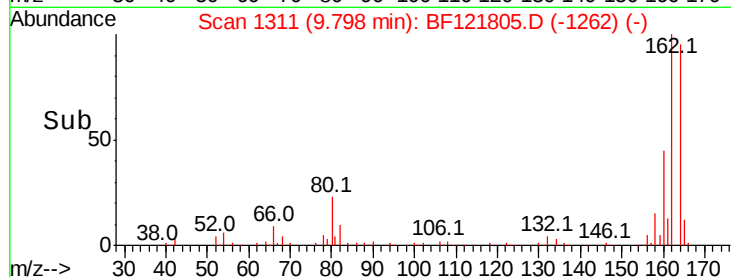
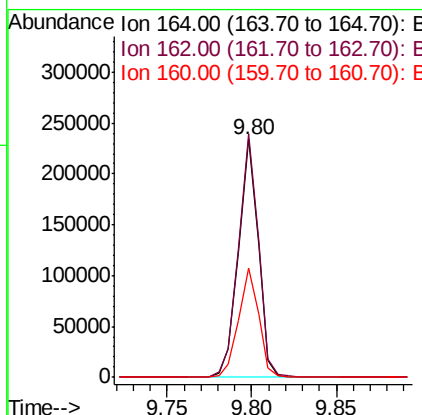
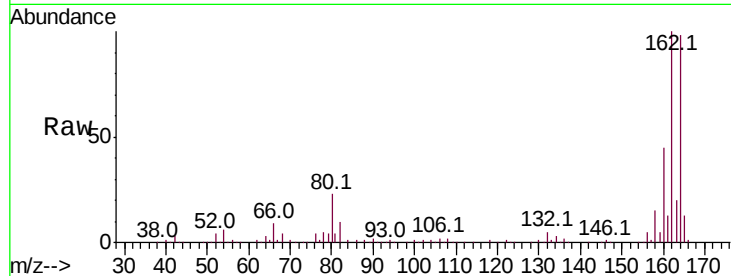
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.2	124.8
160	46.0	37.5	56.3

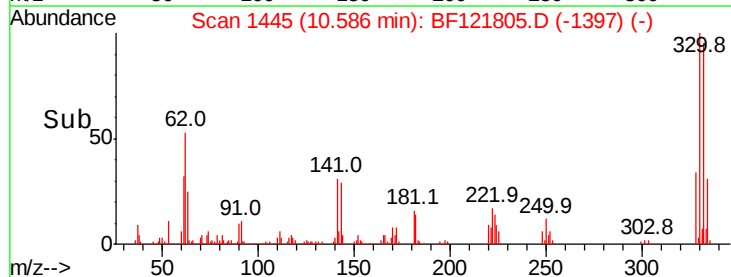
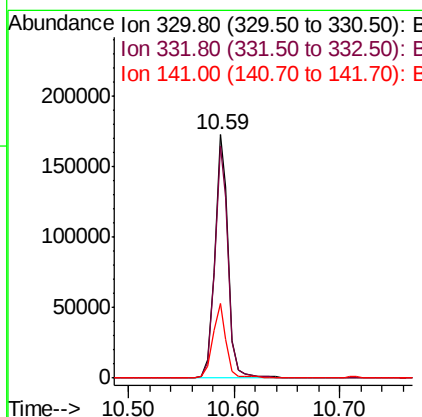
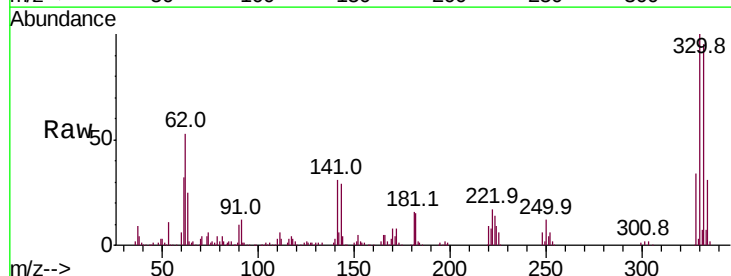
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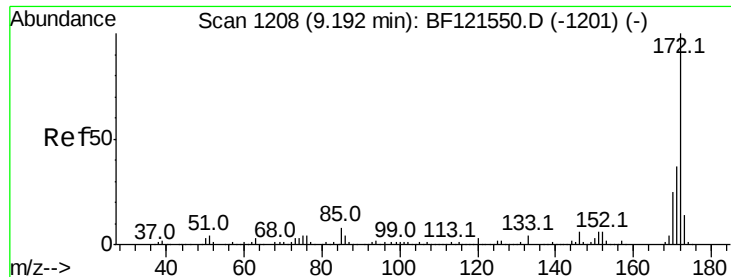
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#42
2,4,6-Tribromophenol
Concen: 65.977 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	30.7	22.3	33.5





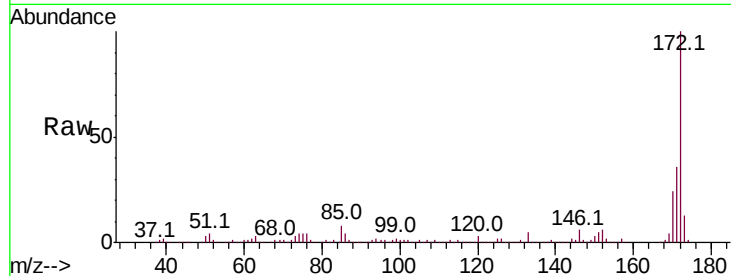
#45
2-Fluorobiphenyl
Concen: 72.191 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampled :
B-17(5-7)

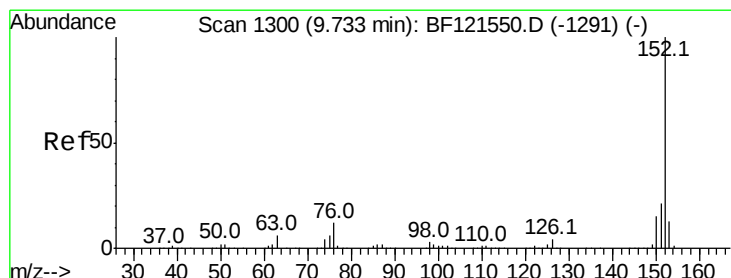
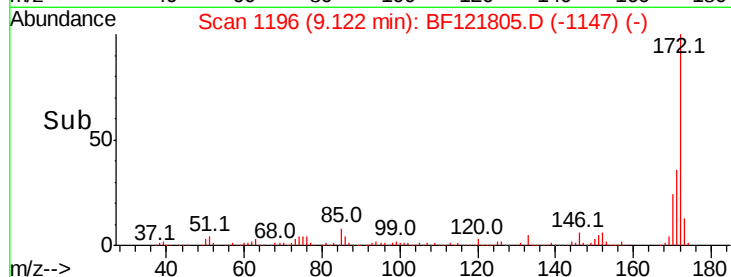
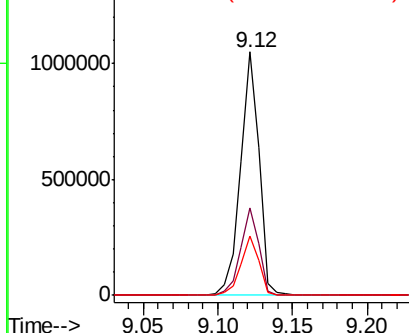
Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	29.1	43.7
170	24.2	19.8	29.6

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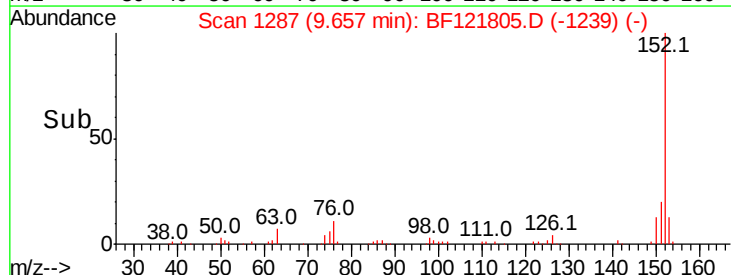
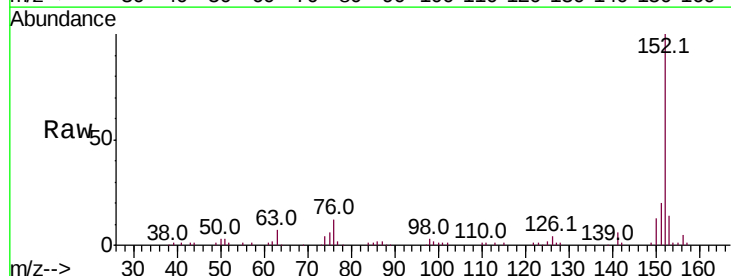
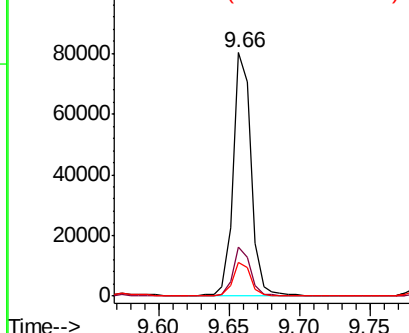
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

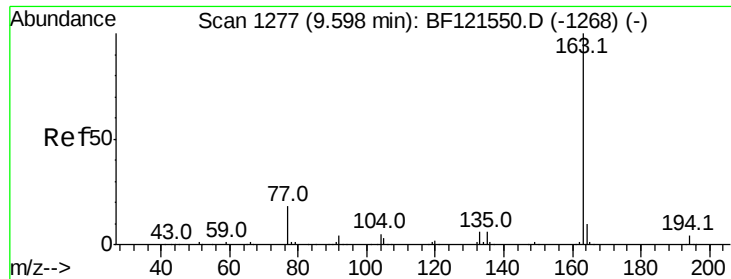


#49
Acenaphthylene
Concen: 3.881 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.0	16.4	24.6
153	14.0	10.6	15.8

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





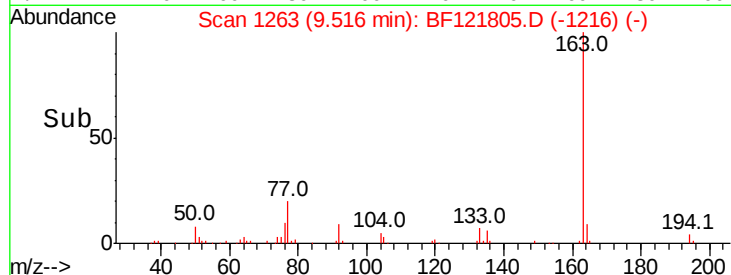
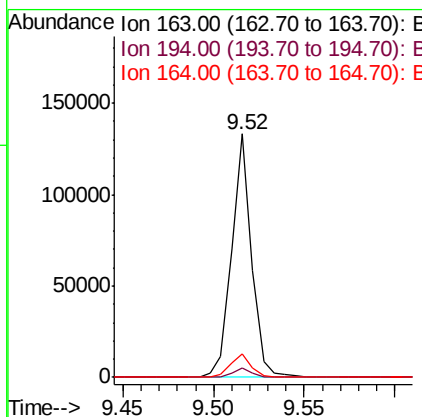
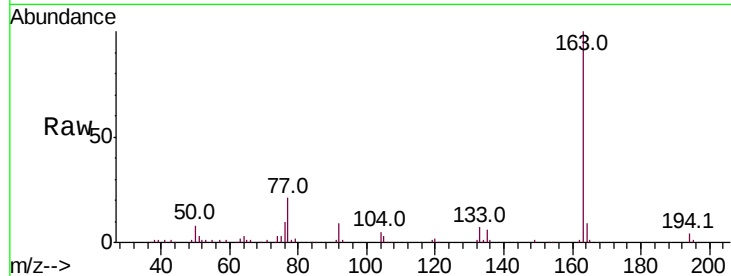
#50
Dimethylphthalate
Concen: 7.407 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	3.3	4.9	
164	9.5	8.2	12.4	

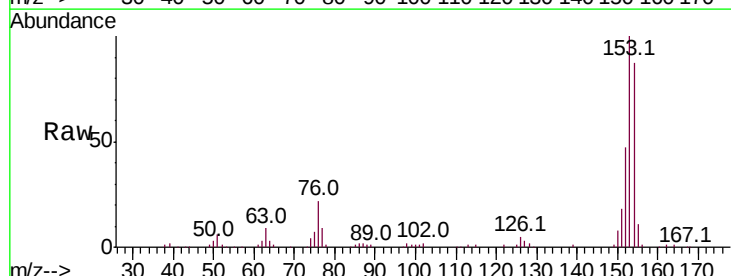
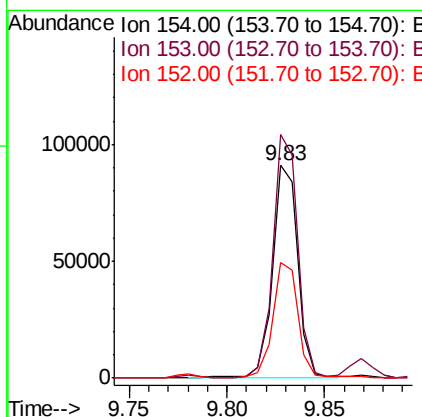
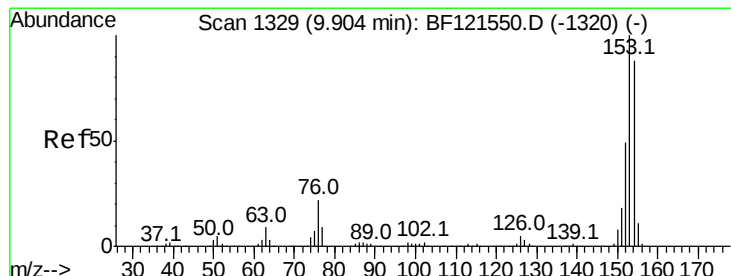
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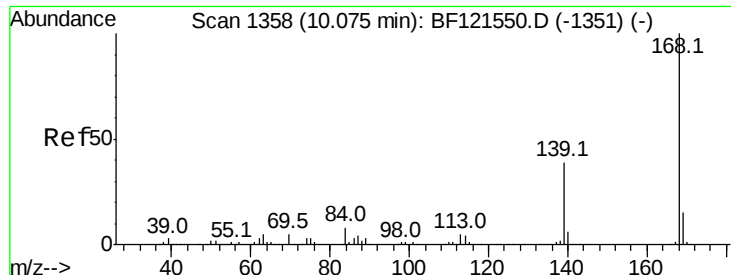
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#52
Acenaphthene
Concen: 7.019 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.5	89.8	134.8	
152	54.1	43.2	64.8	





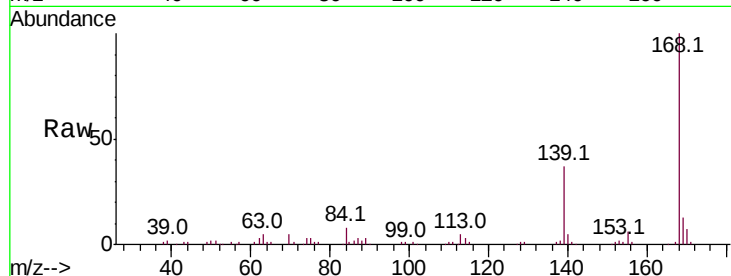
#55
Dibenzenofuran
Concen: 4.562 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	31.0	46.6
169	13.5	11.3	16.9

Manual Integrations
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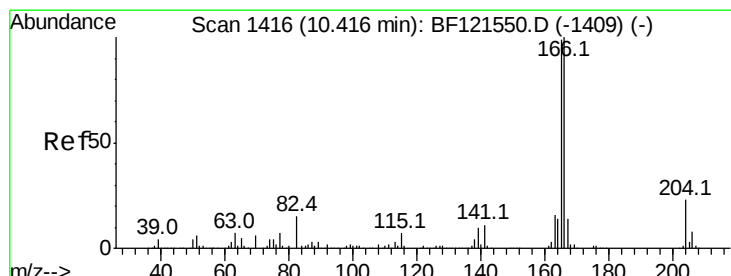
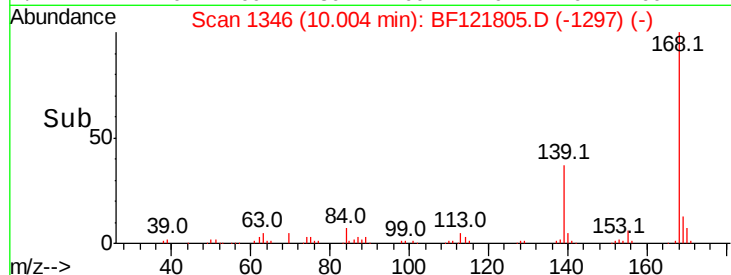
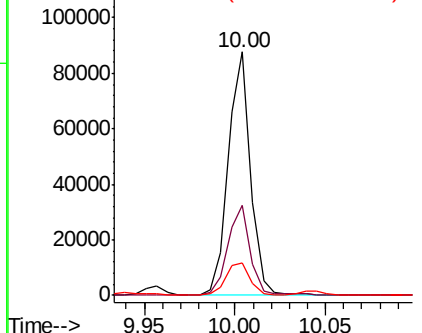


Abundance

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: 8.581 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

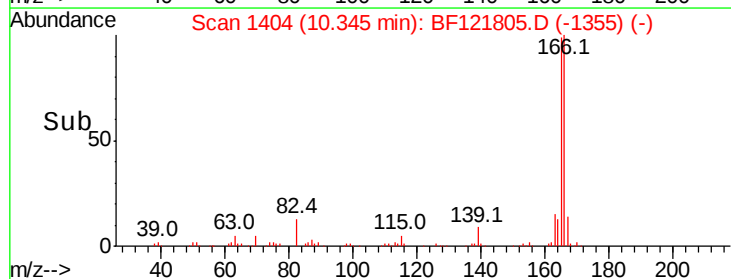
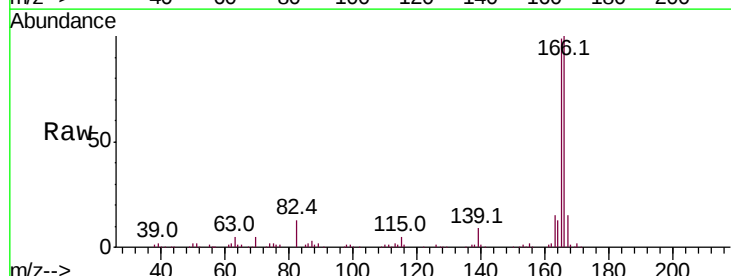
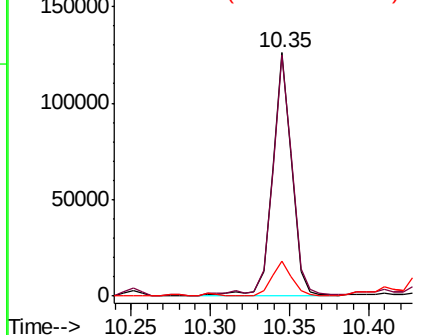
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.1	118.7
167	14.5	11.0	16.6

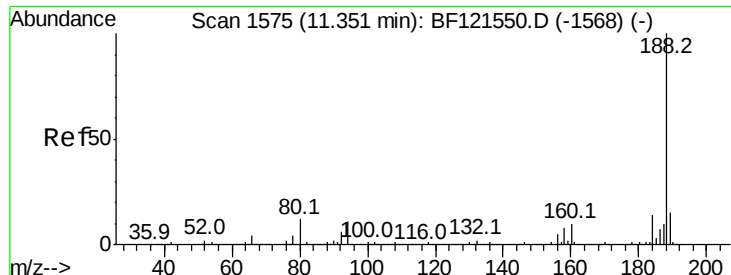
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





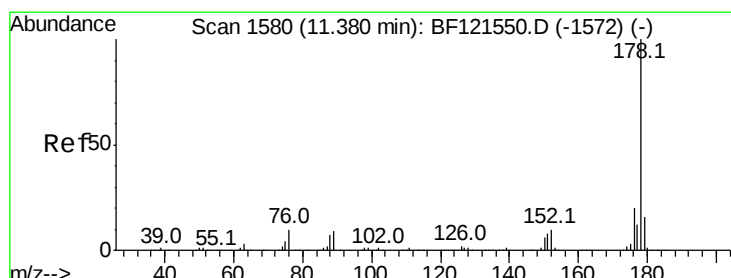
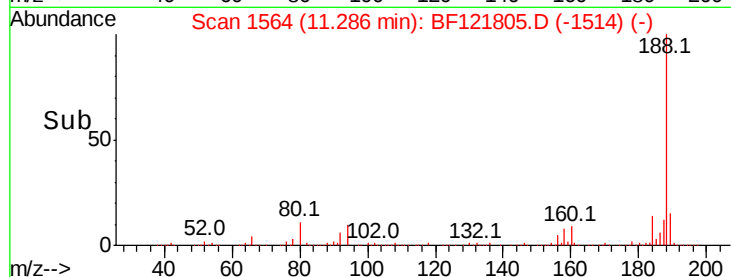
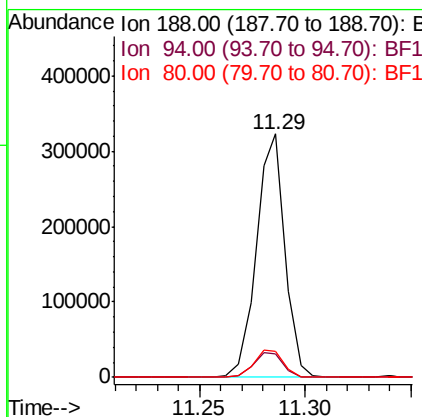
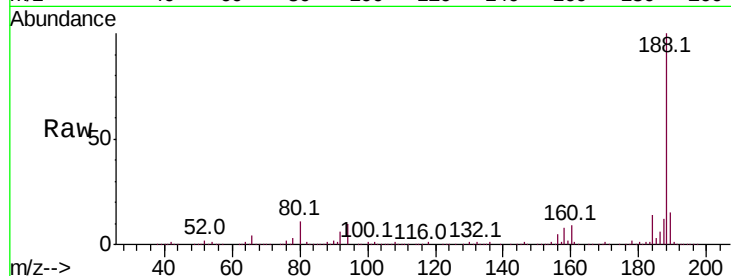
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	301496		
94	9.6	8.3	12.5	
80	10.7	9.1	13.7	

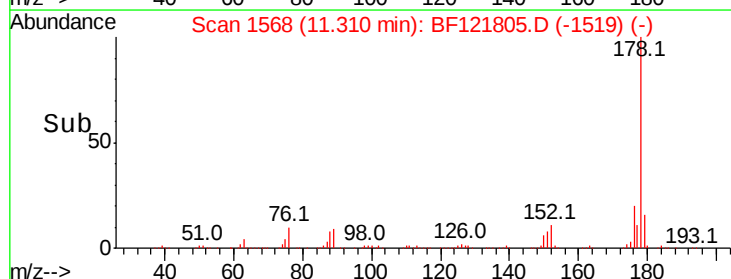
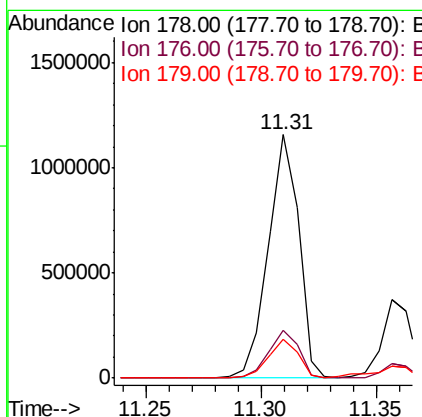
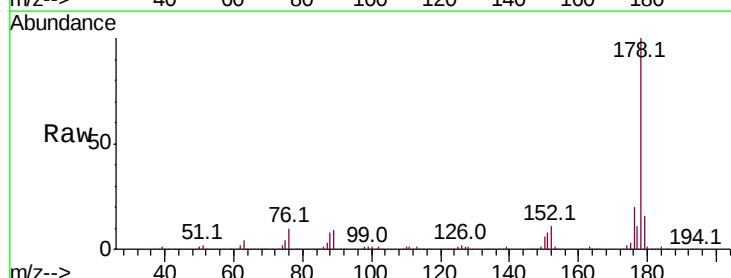
Manual Integrations
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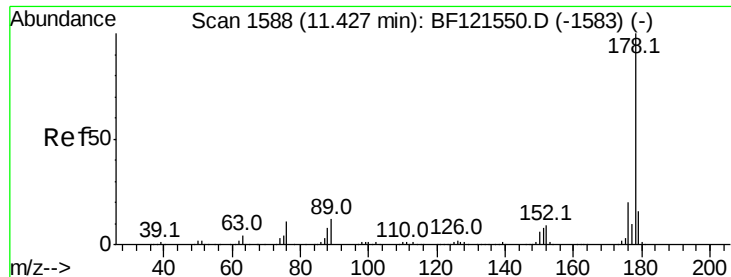
mohammad
10/5/2020 10:27:49 AM



#71
Phenanthrene
Concen: 64.877 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1065716		
176	19.6	15.9	23.9	
179	15.8	12.2	18.4	





#72

Anthracene

Concen: 18.917 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Instrument :

BNA_F

ClientSampleId :

B-17(5-7)

Tot Ion:178 Resp: 320678

Ion Ratio Lower Upper

178 100

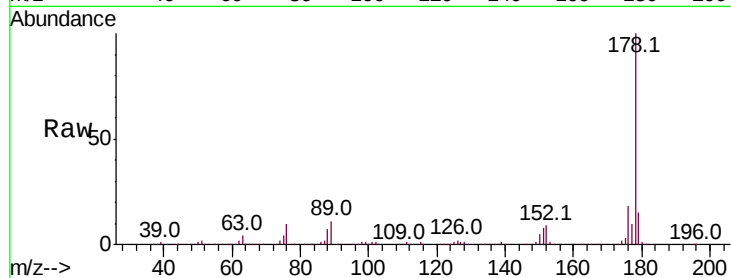
176 18.4 15.7 23.5

179 15.5 12.7 19.1

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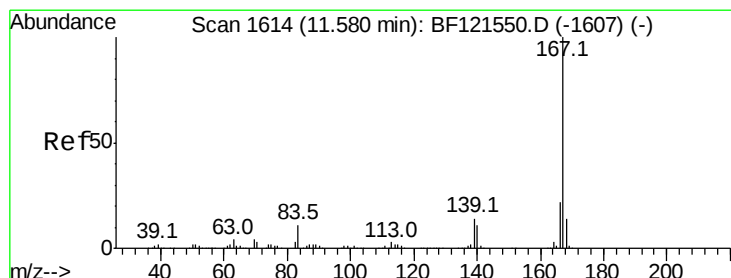
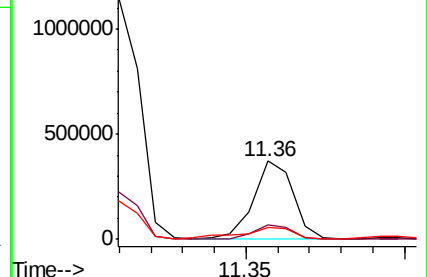
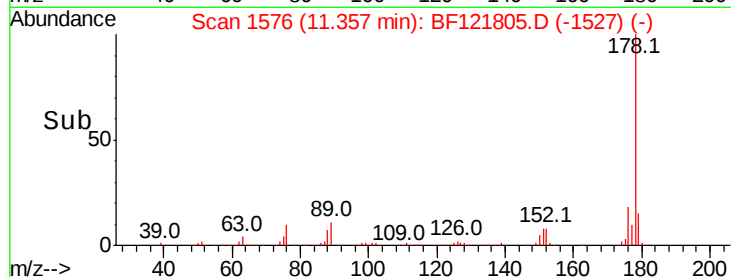
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 9.668 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

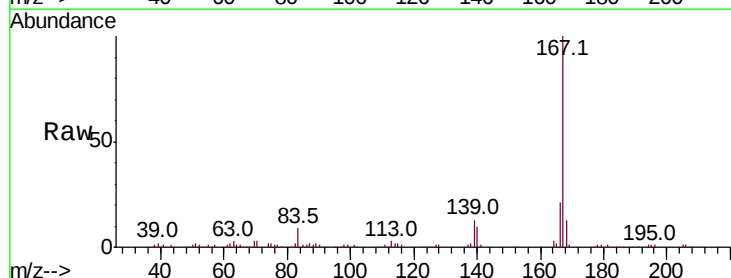
Tgt Ion:167 Resp: 147899

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.6

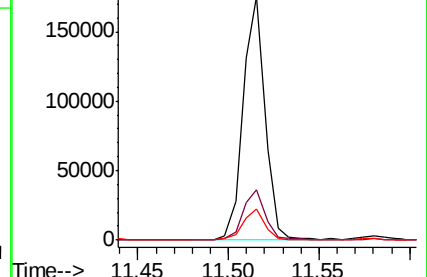
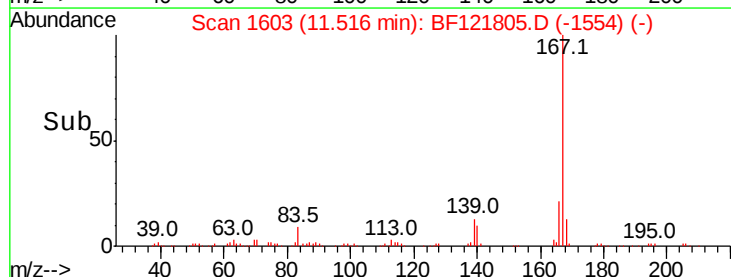
139 12.9 10.8 16.2

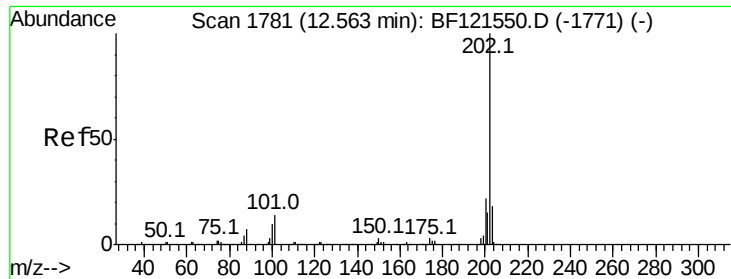


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 82.459 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Instrument :

BNA_F

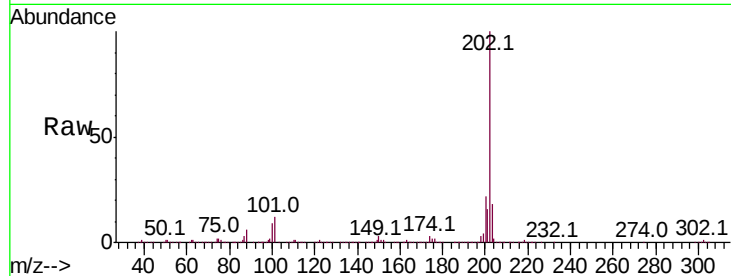
ClientSampleId :

B-17(5-7)

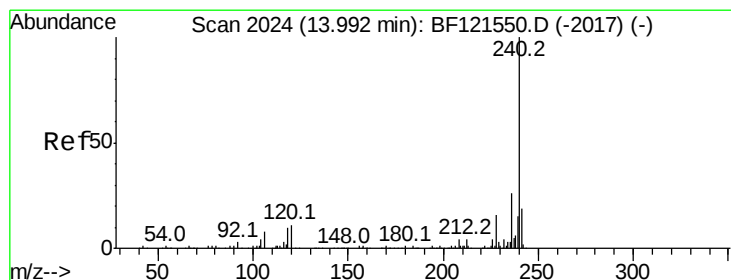
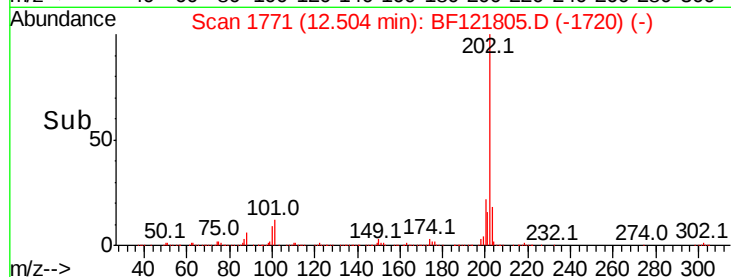
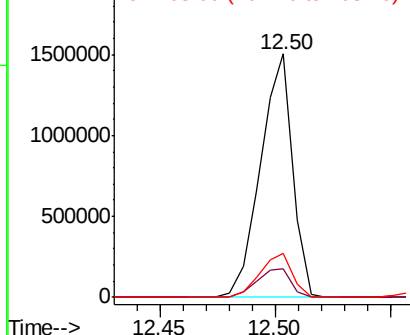
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.9	0.0	33.4		
203	18.0	0.0	37.9		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

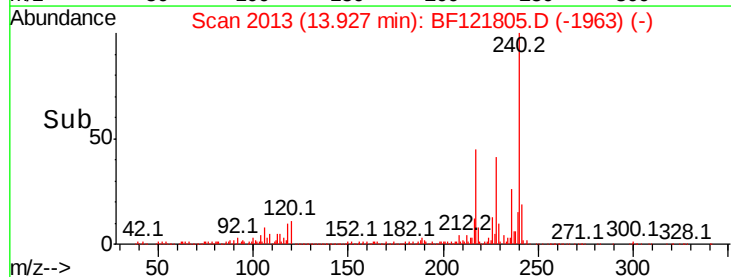
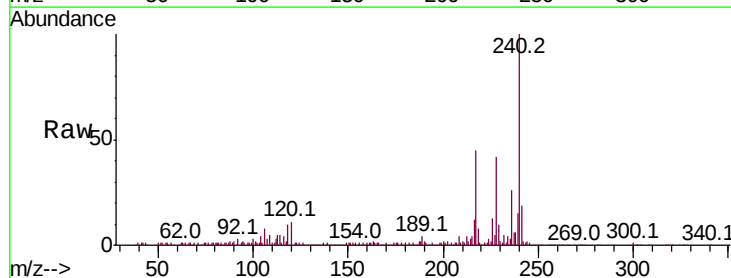
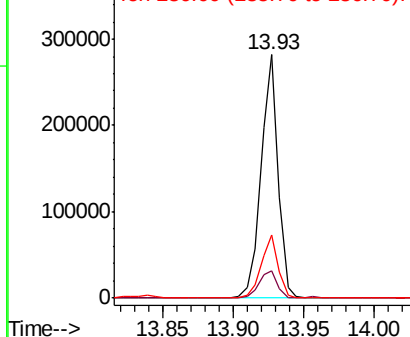
Delta R.T. -0.01 min

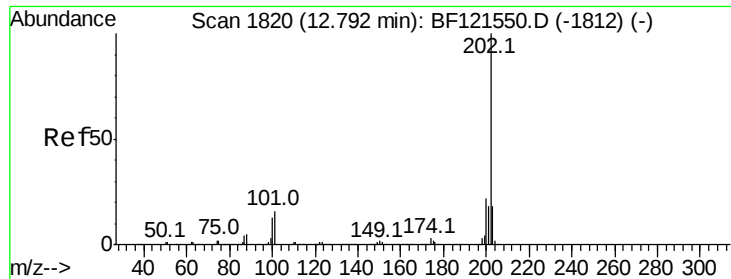
Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.0	9.2	13.8		
236	26.1	20.9	31.3		

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





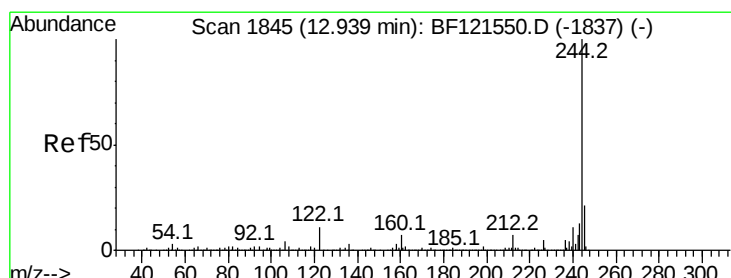
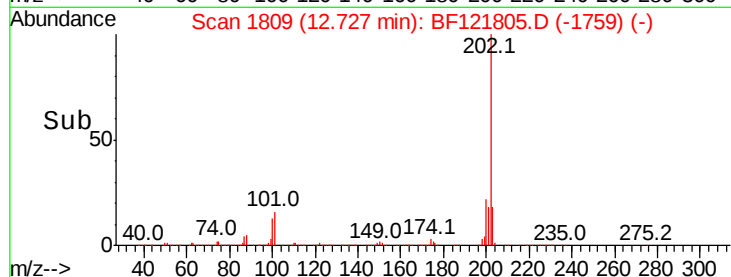
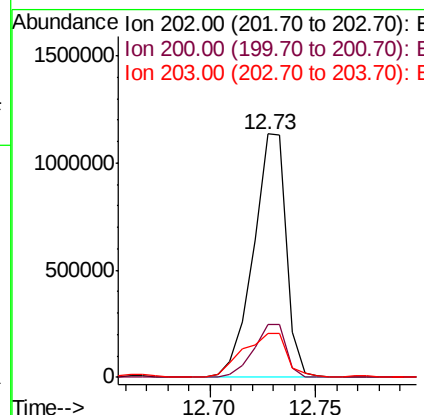
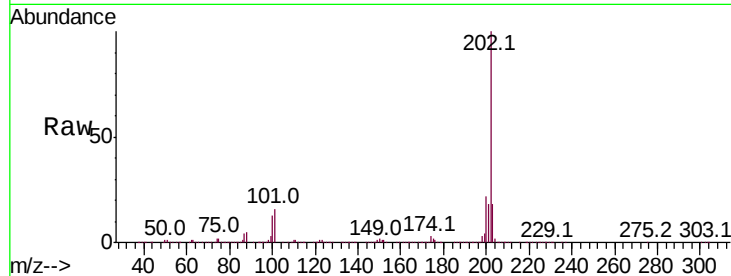
#78
Pvrene
Concen: 69.715 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.3	14.6	21.8

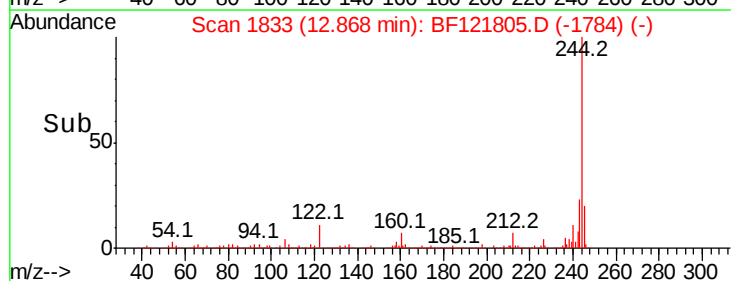
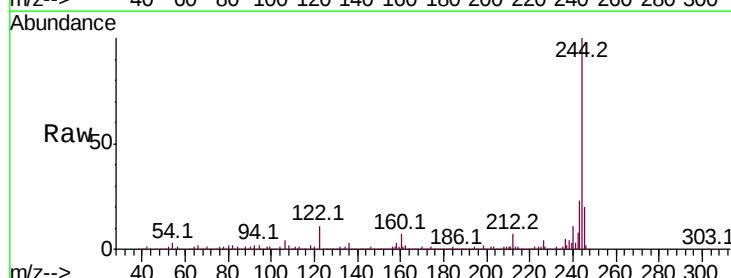
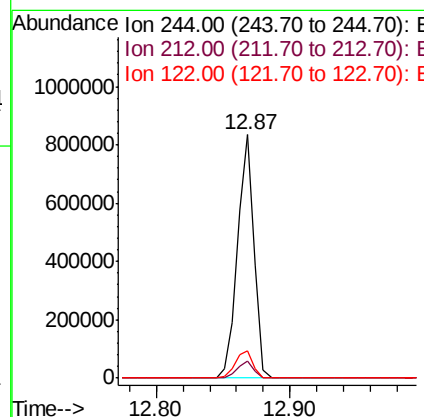
Manual Integrations
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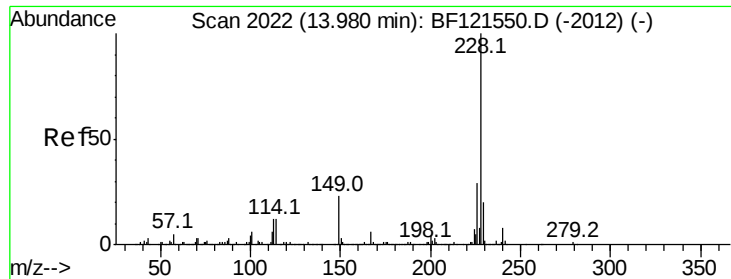
mohammad
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#79
Terphenyl-d14
Concen: 60.990 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.1	8.1	12.1





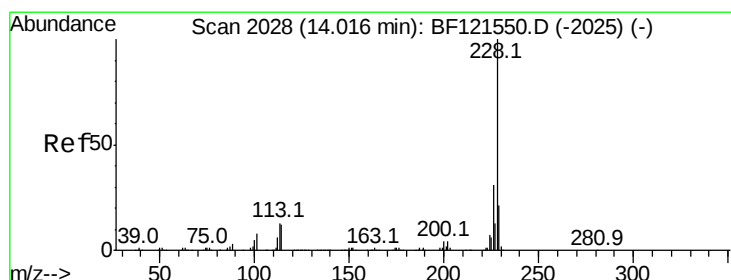
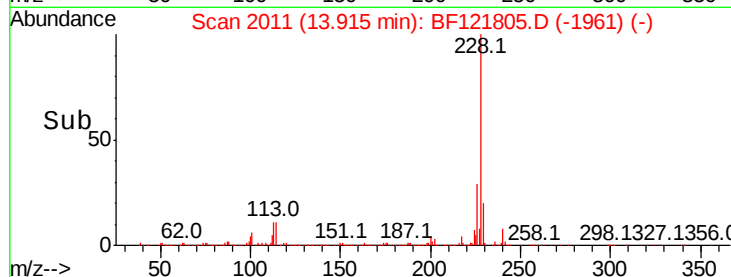
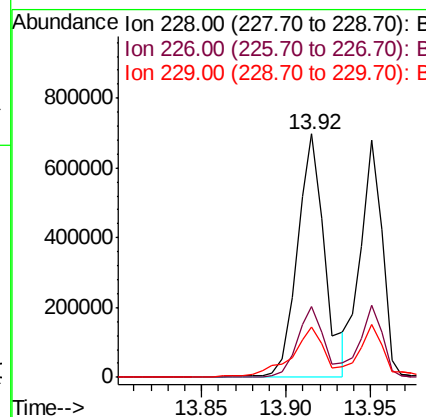
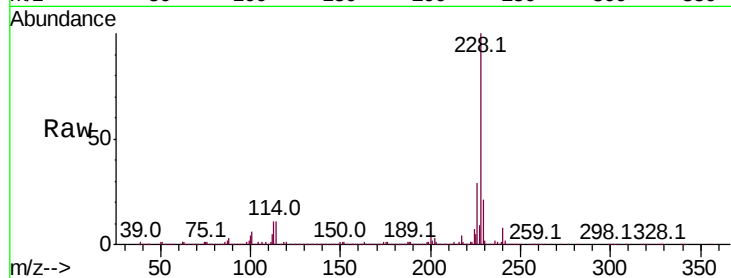
#81
Benzo(a)anthracene
Concen: 51.312 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.3	33.5
229	20.8	16.2	24.4

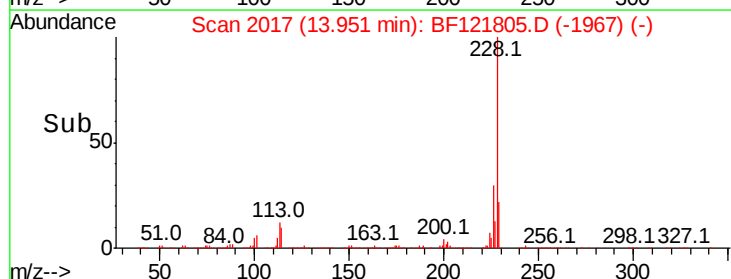
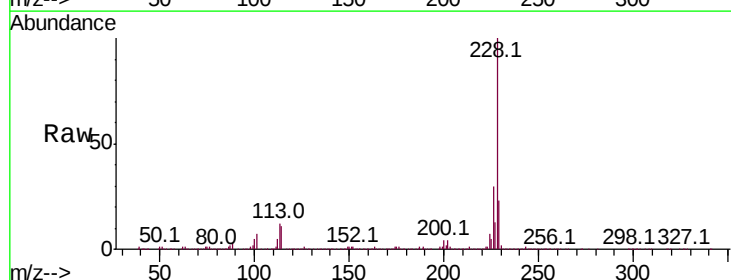
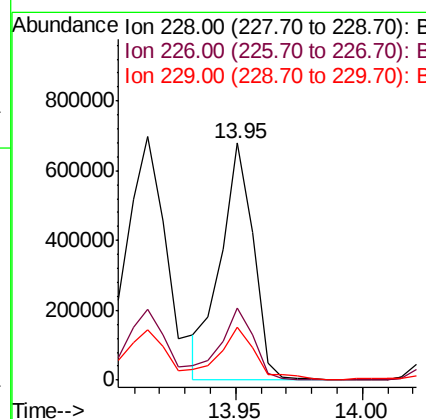
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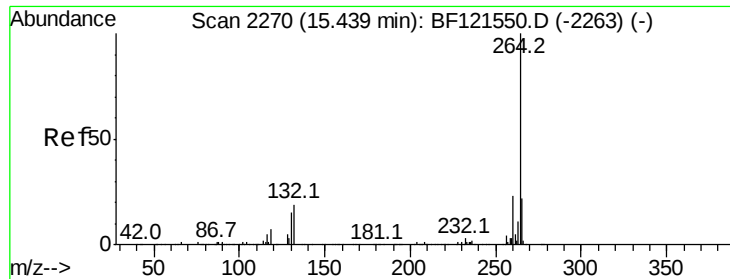
mohammad
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#83
Chrysene
Concen: 39.120 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	22.6	15.9	23.9





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Instrument :

BNA_F

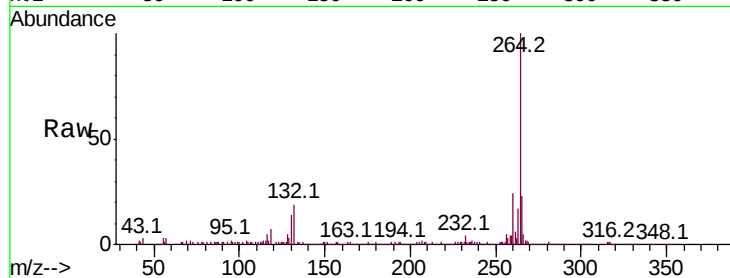
ClientSampleId :

B-17(5-7)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.7	17.3	25.9

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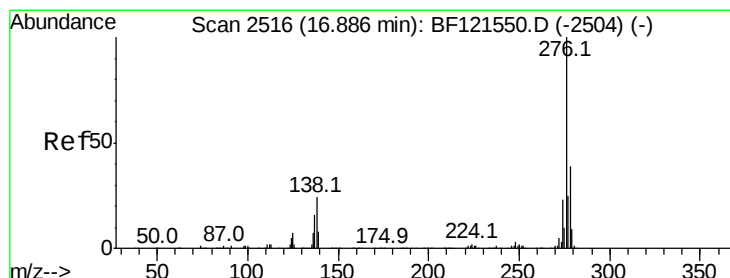
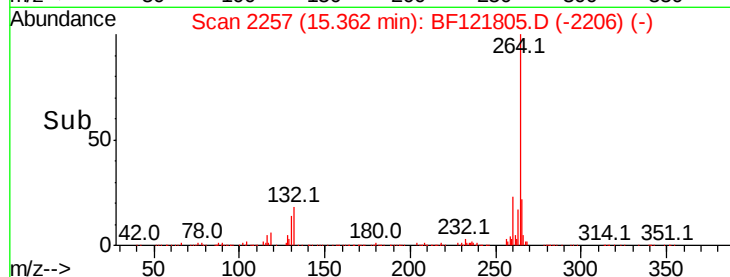
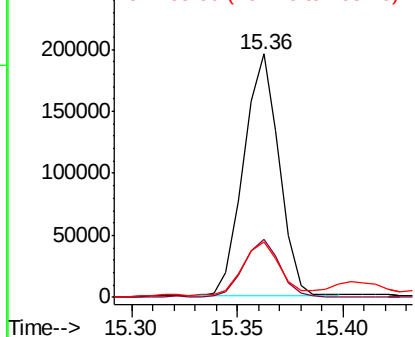


Abundance

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: 21.232 ng

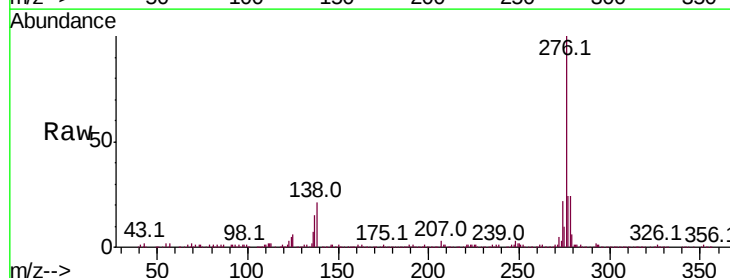
RT: 16.77 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BF121805.D

Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.9	29.9
277	24.1	20.4	30.6

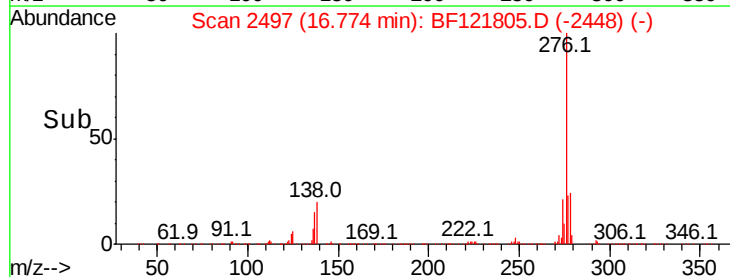
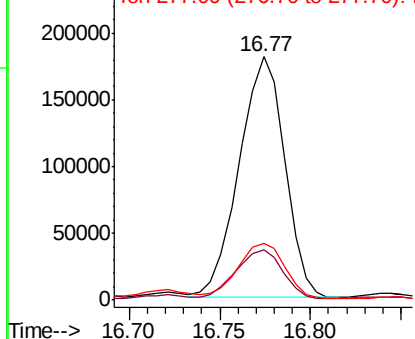


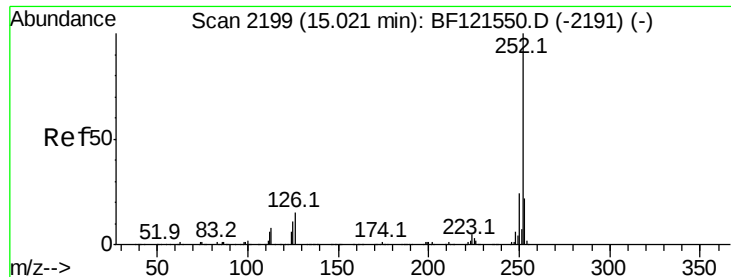
Abundance

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





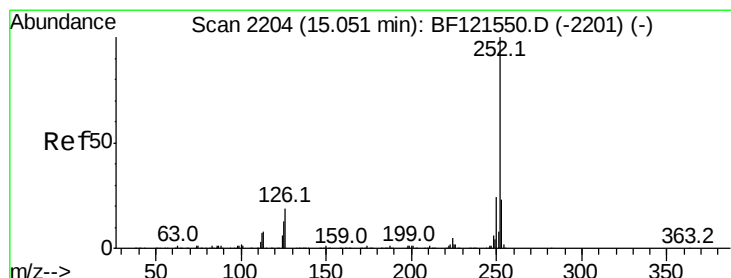
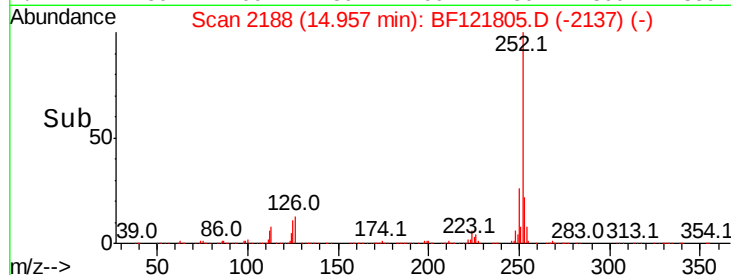
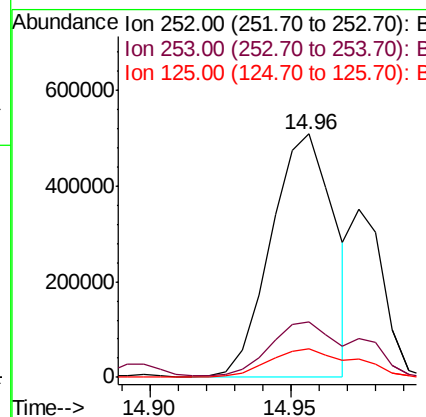
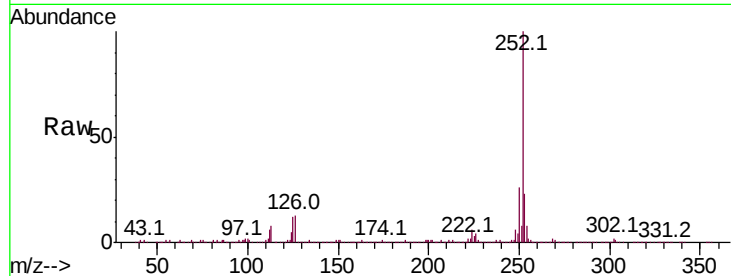
#88
Benzo(b)fluoranthene
Concen: 51.717 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

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

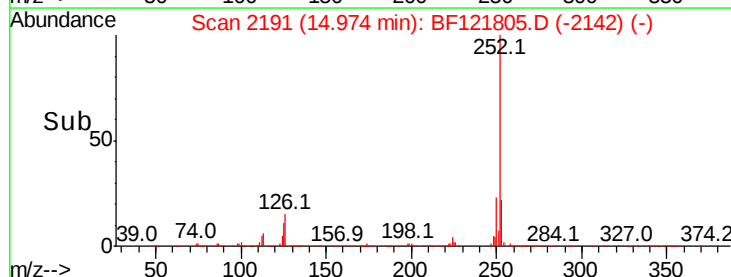
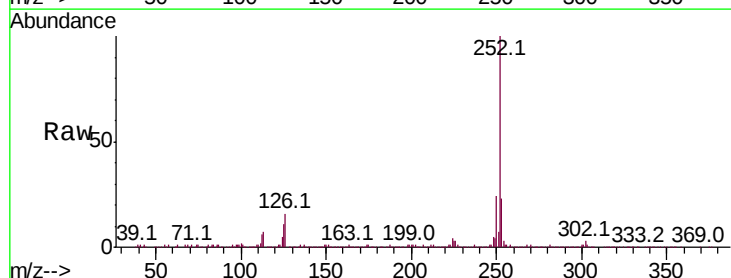
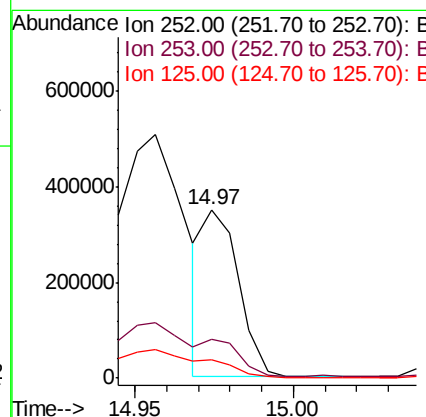
Manual Integrations
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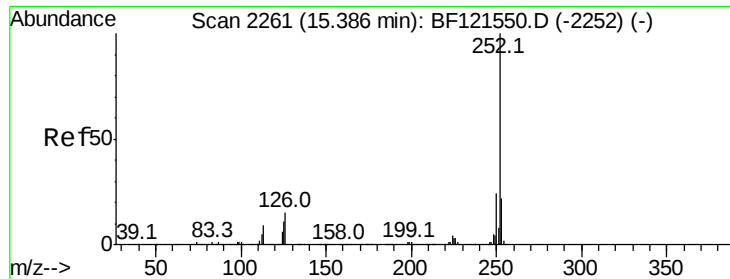
mohammad
10/5/2020 10:27:49 AM



#89
Benzo(k)fluoranthene
Concen: 19.215 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.2	7.7	11.5





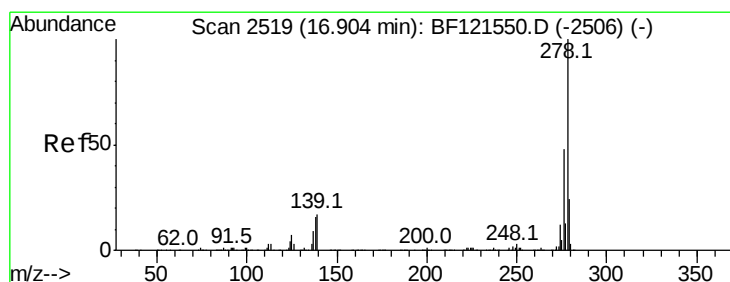
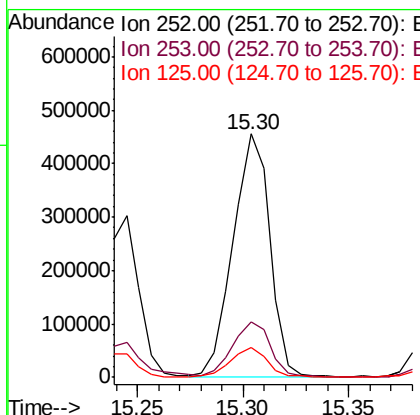
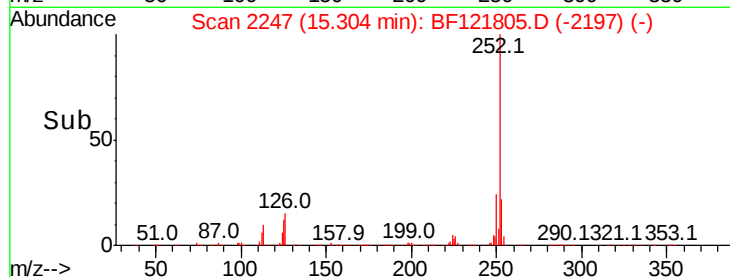
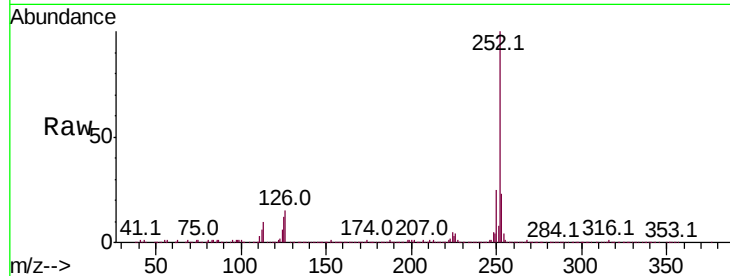
#90
Benzo(a)pyrene
Concen: 42.242 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Instrument :
BNA_F
ClientSampleId :
B-17(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	12.1	8.6	13.0

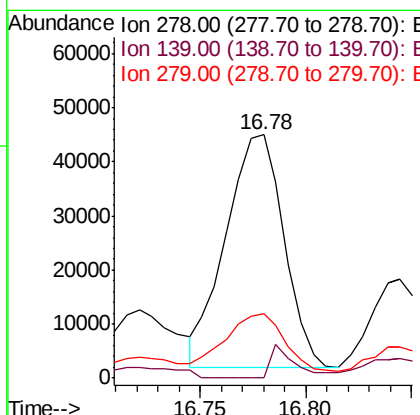
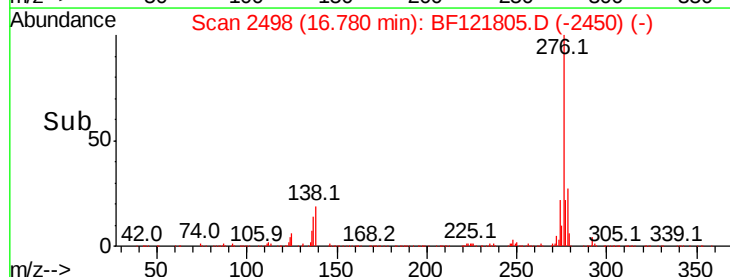
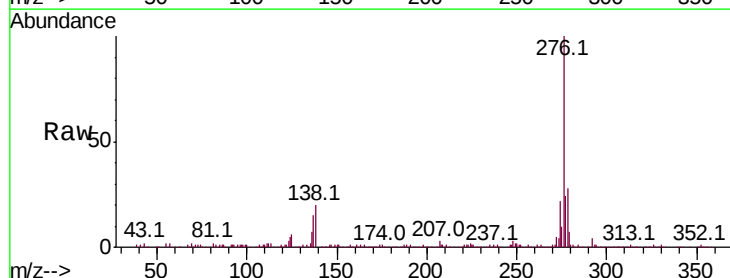
Manual Integrations
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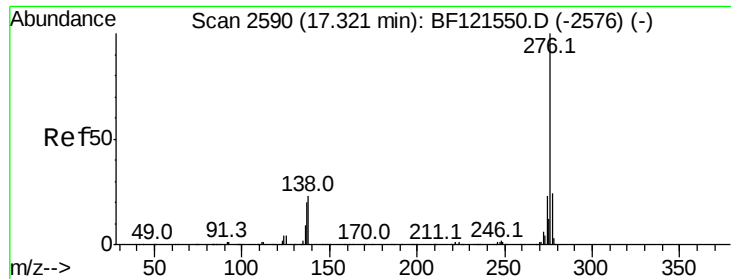
mohammad
10/5/2020 10:27:49 AM



#91
Dibenzo(a,h)anthracene
Concen: 6.663 ng m
RT: 16.78 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BF121805.D
Acq: 2 Oct 2020 20:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	26.5	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 23.044 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121805.D
 Acq: 2 Oct 2020 20:52

Instrument :
 BNA_F
 ClientSampleId :
 B-17(5-7)

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.5	19.4	29.2
138	21.3	17.8	26.6

Manual Integrations
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