

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121708.D
 Acq On : 28 Sep 2020 13:03
 Operator : JU/CG
 Sample : L4127-02DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Manual Integrations
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Quant Time: Sep 28 13:59:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	147350	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	580811	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	304902	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	581458	20.00	ng	0.00
76) Chrysene-d12	13.95	240	424500	20.00	ng	0.00
86) Perylene-d12	15.40	264	368010	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	94335	9.51	ng	-0.01
7) Phenol-d6	6.43	99	126006	9.69	ng	-0.01
23) Nitrobenzene-d5	7.35	82	80511	7.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	26673	7.04	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	174475	8.67	ng	0.00
79) Terphenyl-d14	12.89	244	192658	9.19	ng	-0.01
Target Compounds						
31) Naphthalene	8.10	128	135741	4.427	ng	98
37) 2-Methylnaphthalene	8.79	142	42513	2.116	ng	94
52) Acenaphthene	9.86	154	76562	4.101	ng	97
55) Dibenzofuran	10.03	168	102504	3.899	ng	94
58) Fluorene	10.37	166	128845	6.409	ng	99
71) Phenanthrene	11.34	178	1142033	36.049	ng	99
72) Anthracene	11.39	178	346258	10.591	ng	98
73) Carbazole	11.55	167	122646	4.157	ng	99
75) Fluoranthene	12.53	202	1378572	40.764	ng	98
78) Pyrene	12.76	202	1150678	37.100	ng	99
81) Benzo(a)anthracene	13.94	228	556476	20.721	ng	98
83) Chrysene	13.97	228	464849	17.093	ng	97
87) Indeno(1,2,3-cd)pyrene	16.82	276	230565	9.621	ng	96
88) Benzo(b)fluoranthene	14.98	252	540175m	21.957	ng	
89) Benzo(k)fluoranthene	15.00	252	125190m	5.557	ng	
90) Benzo(a)pyrene	15.33	252	354436	16.949	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	61935	3.105	ng	93
92) Benzo(g,h,i)perylene	17.24	276	219536	11.195	ng	97

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

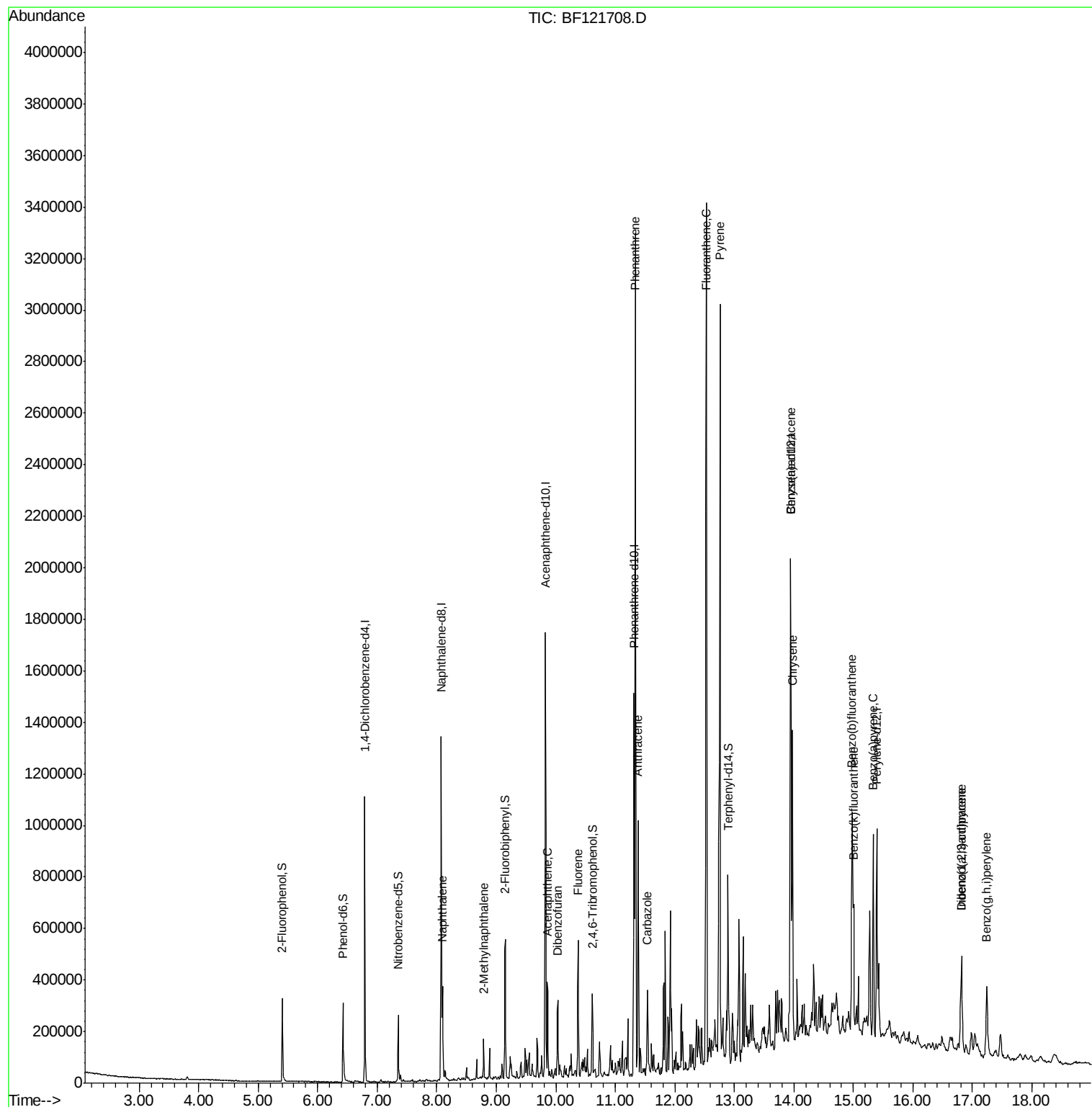
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
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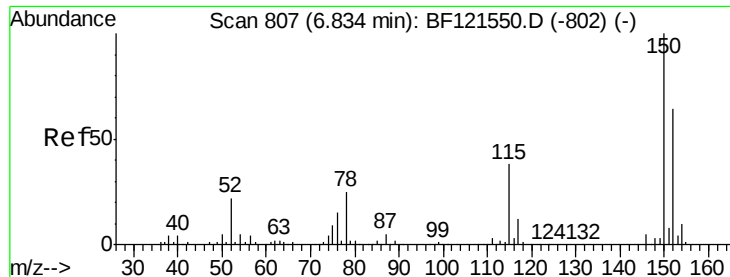
Instrument :
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Quant Time: Sep 28 13:59:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 11:40:42 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121708.D

Acq: 28 Sep 2020 13:03

Instrument :

BNA_F

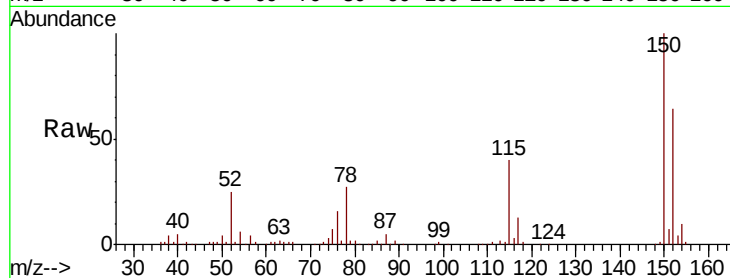
ClientSampleId :

B-3(13-15)DL

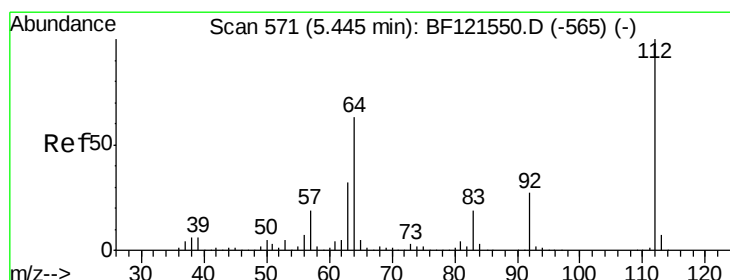
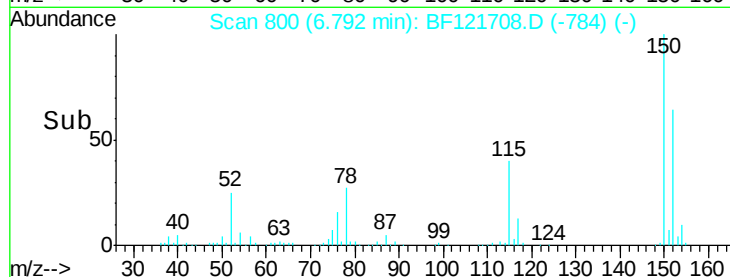
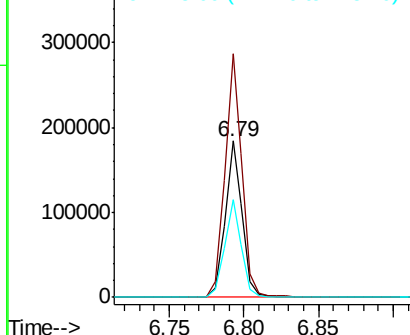
Tot Ion:	152	Resp:	147350
Ion Ratio	Lower	Upper	
152	100		
150	156.1	122.6	184.0
115	63.0	47.1	70.7

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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: 9.514 ng

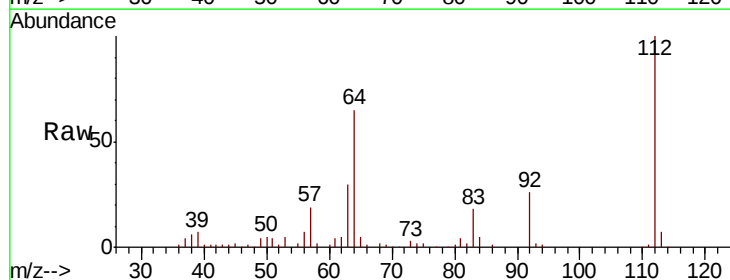
RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

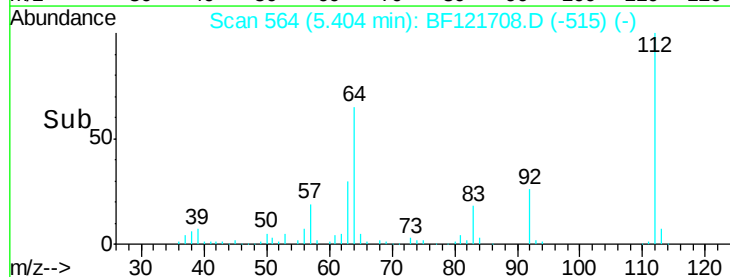
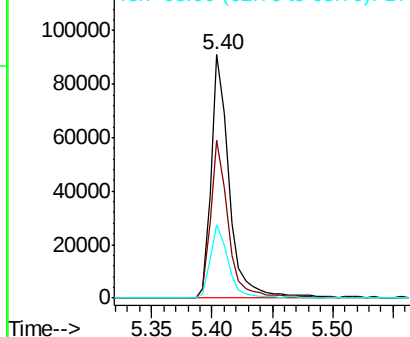
Lab File: BF121708.D

Acq: 28 Sep 2020 13:03

Tgt Ion:	112	Resp:	94335
Ion Ratio	Lower	Upper	
112	100		
64	64.9	49.5	74.3
63	30.1	25.4	38.0



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: 9.687 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121708.D

Acq: 28 Sep 2020 13:03

Instrument :

BNA_F

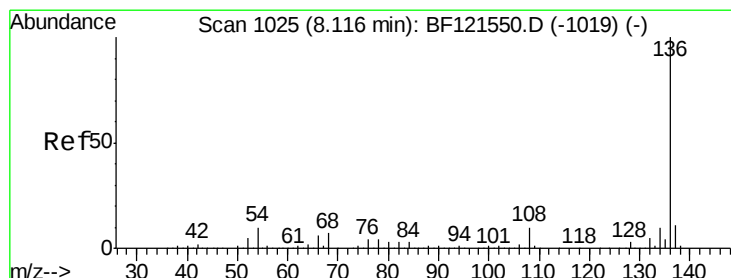
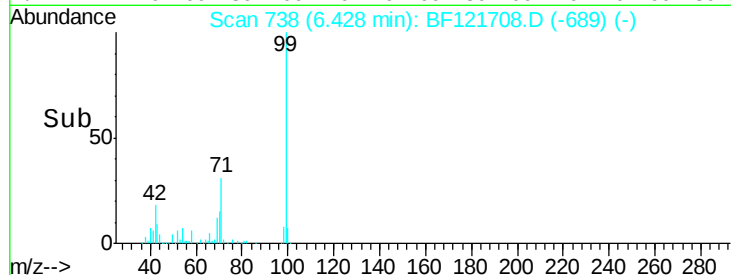
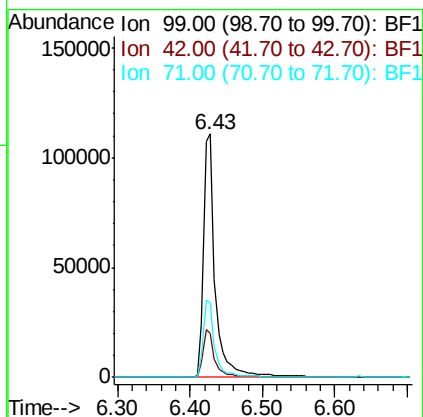
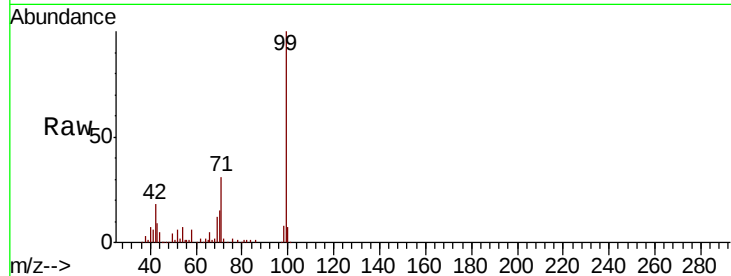
ClientSampled :

B-3(13-15)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		126006		
42	18.3	16.1	24.1		
71	30.9	27.6	41.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

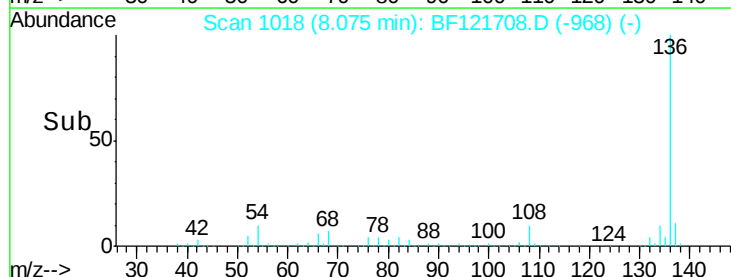
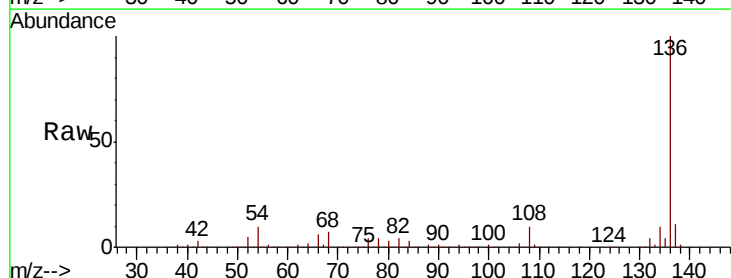
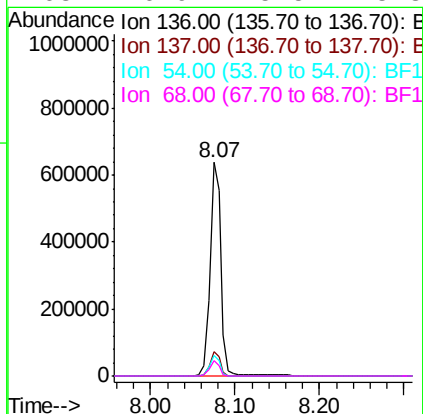
RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121708.D

Acq: 28 Sep 2020 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		580811		
137	11.2	8.8	13.2		
54	9.8	7.5	11.3		
68	6.9	5.5	8.3		





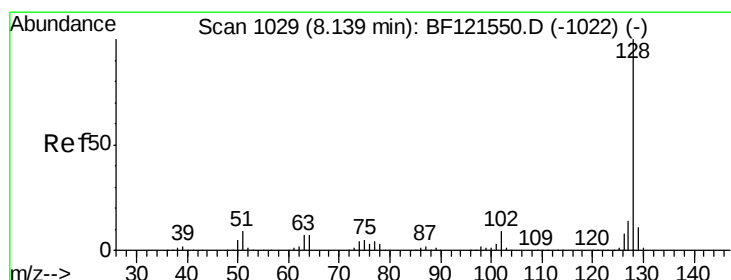
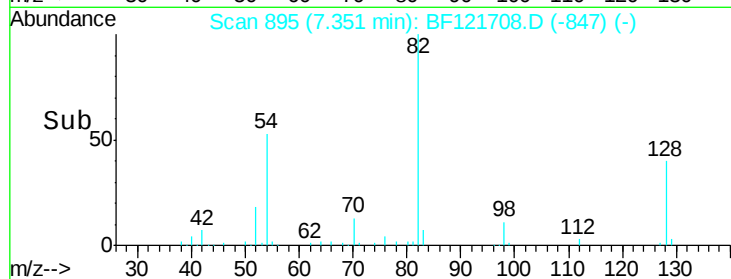
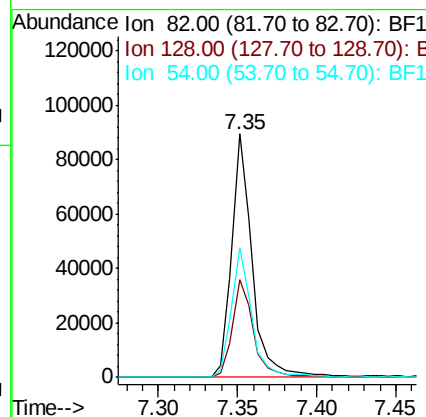
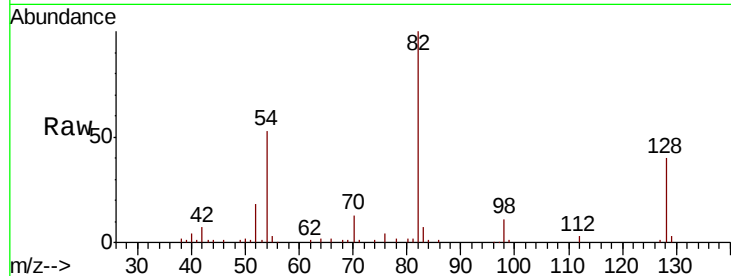
#23
Nitrobenzene-d5
Concen: 7.443 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Instrument :
BNA_F
ClientSampleId :
B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	35.8	53.6
54	53.1	42.6	63.8

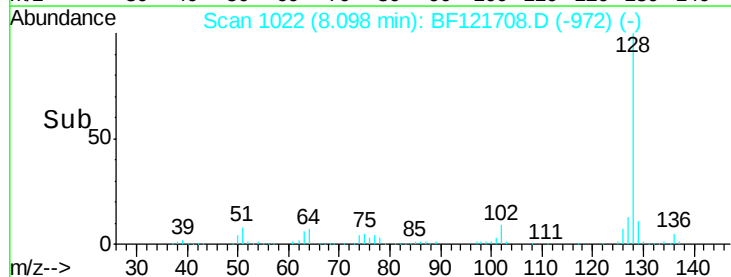
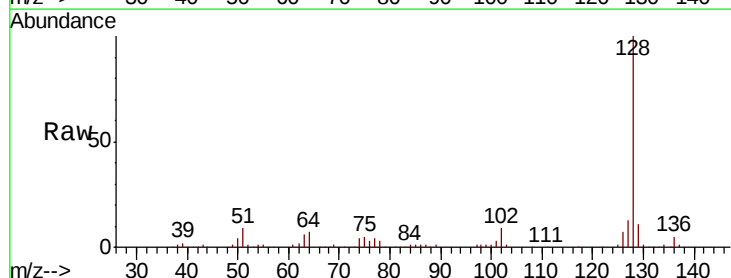
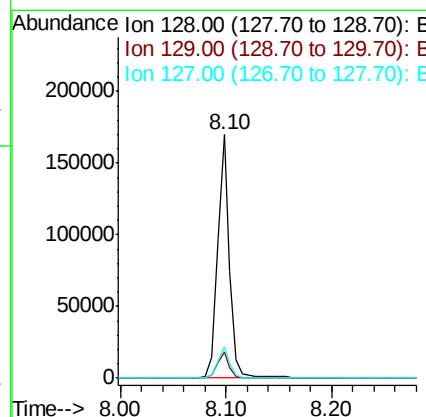
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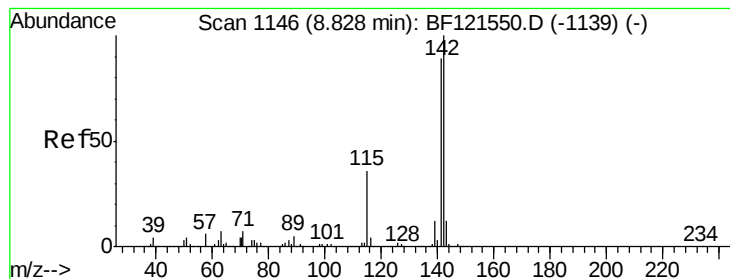
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#31
Naphthalene
Concen: 4.427 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	12.7	10.8	16.2





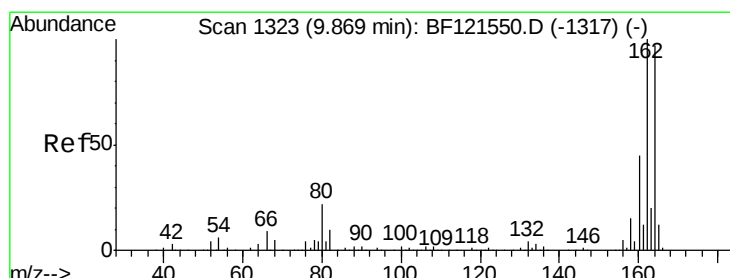
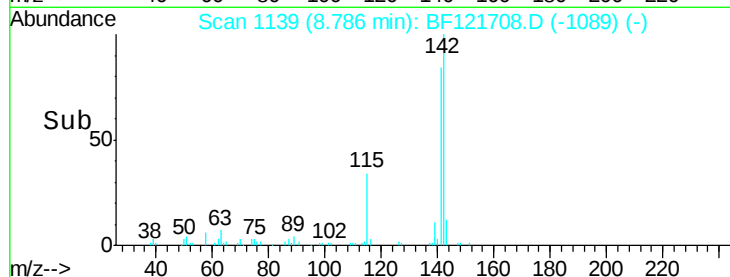
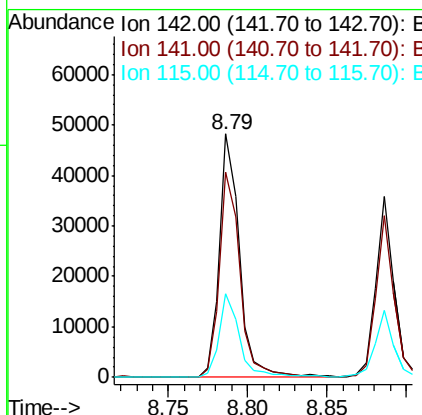
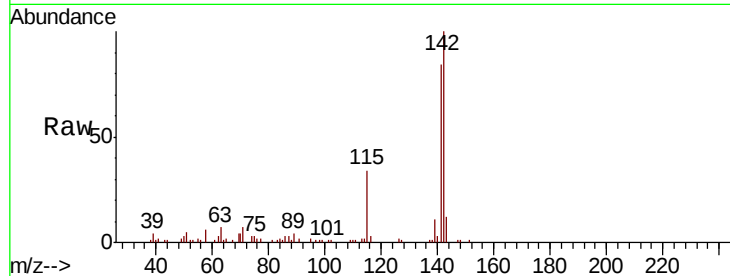
#37
 2-Methylnaphthalene
 Concen: 2.116 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.5	71.9	107.9
115	34.2	29.9	44.9

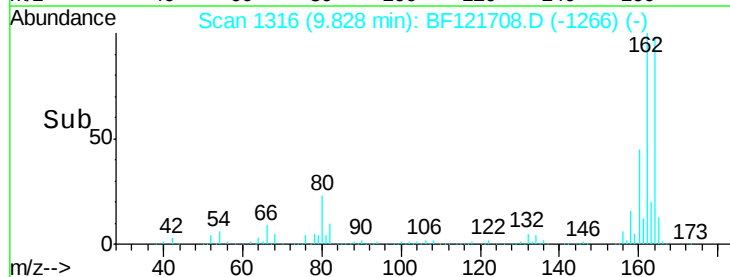
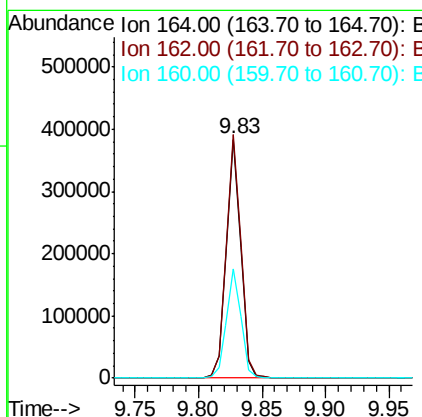
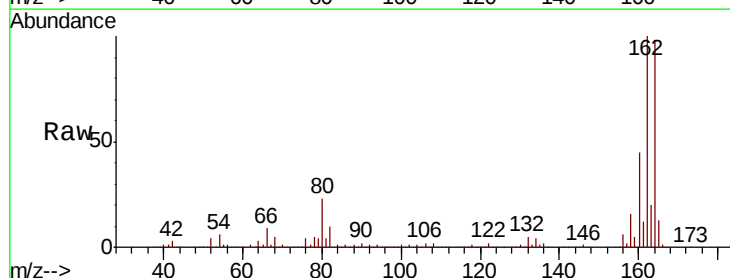
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.1	123.1
160	45.5	36.8	55.2





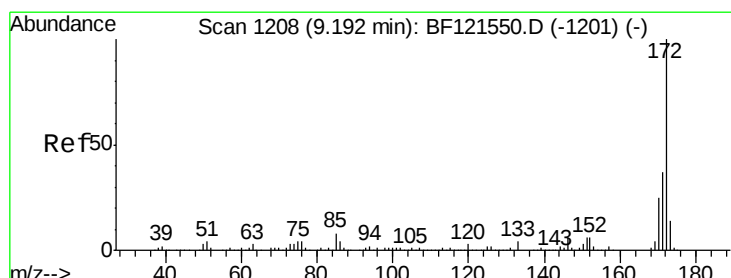
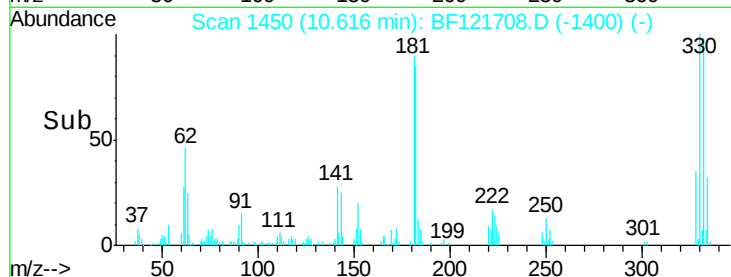
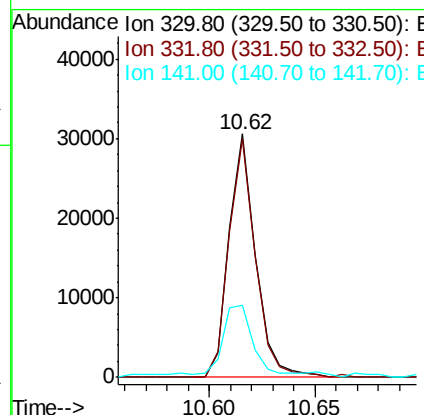
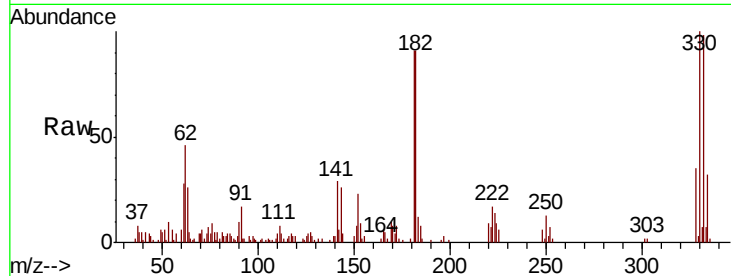
#42
 2,4,6-Tribromophenol
 Concen: 7.039 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	26673		
332	98.0	76.0	114.0	
141	36.9	22.2	33.4	

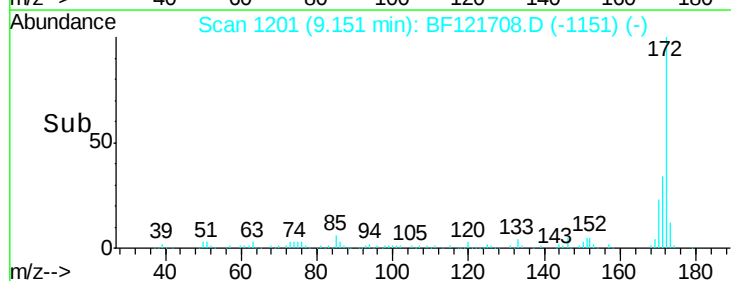
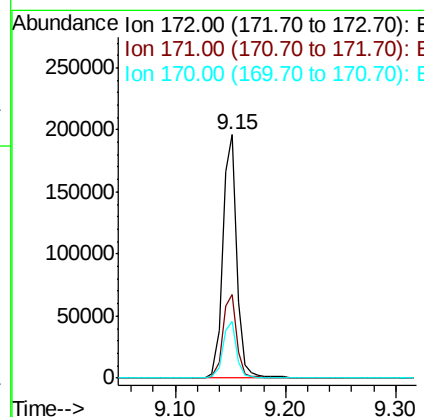
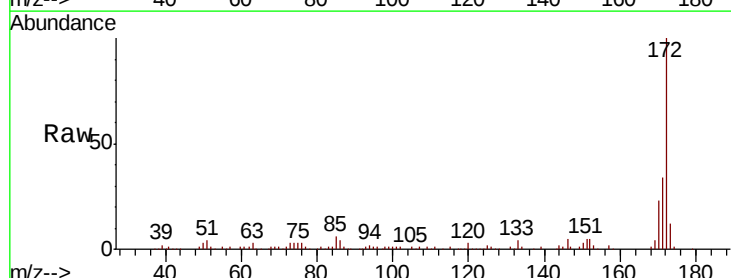
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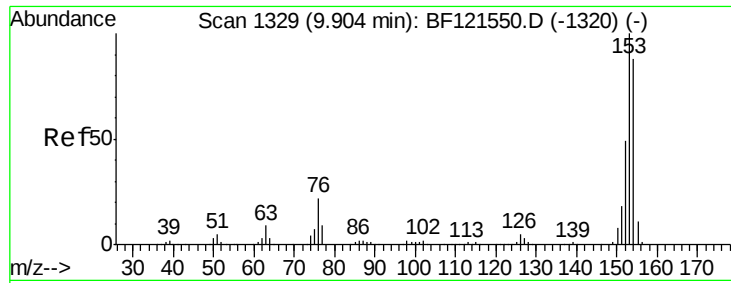
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#45
 2-Fluorobiphenyl
 Concen: 8.667 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	174475		
171	34.3	29.0	43.6	
170	23.2	19.5	29.3	





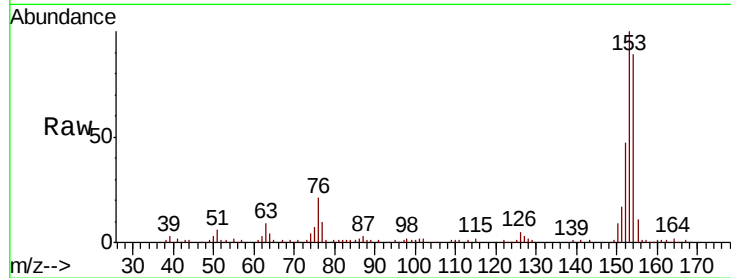
#52
Acenaphthene
Concen: 4.101 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Instrument :
BNA_F
ClientSampleId :
B-3(13-15)DL

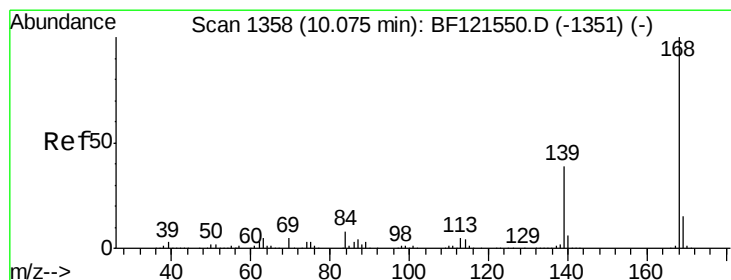
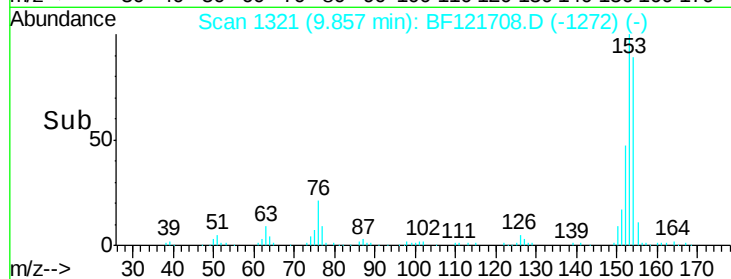
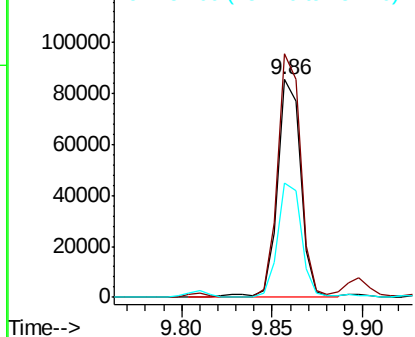
Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	91.7	137.5
152	52.6	44.0	66.0

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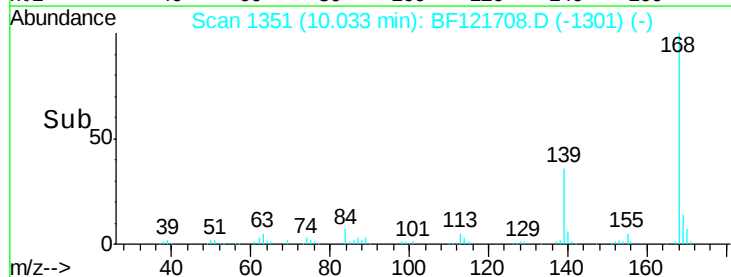
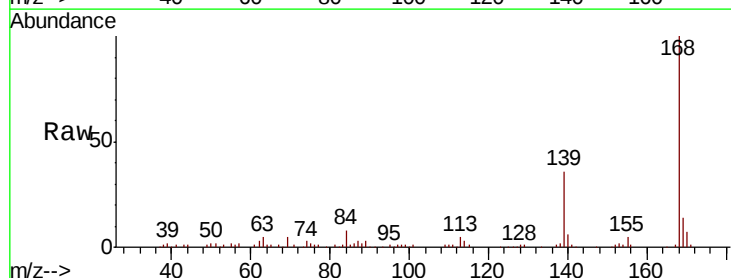
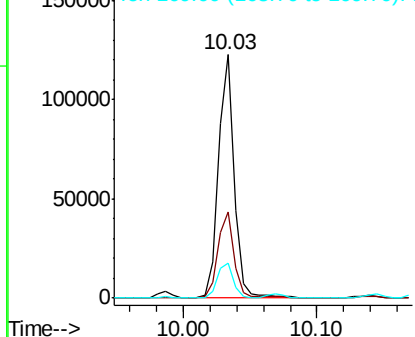
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

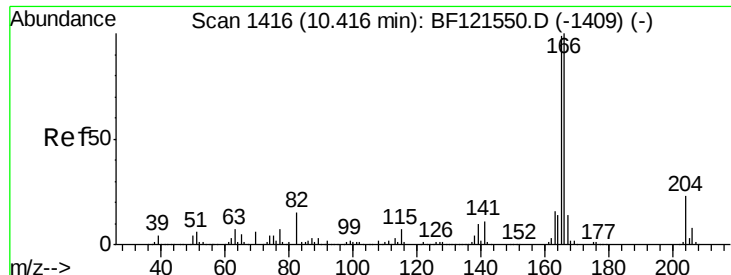


#55
Dibenzofuran
Concen: 3.899 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.5	32.6	49.0
169	14.3	11.7	17.5

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





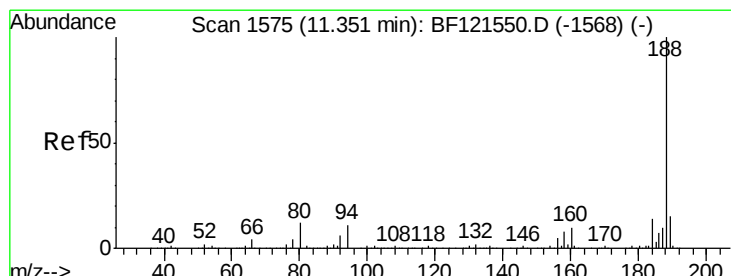
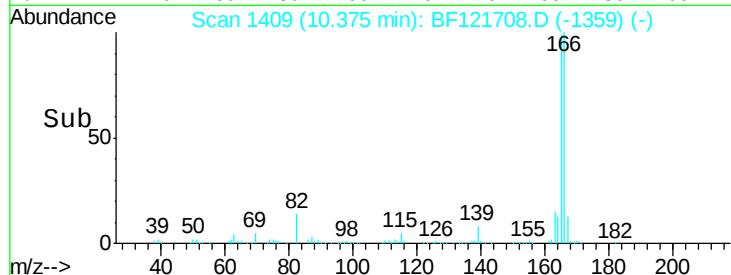
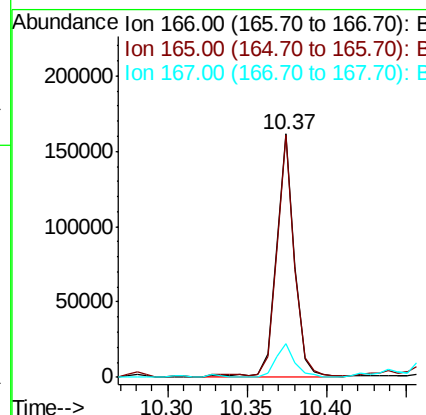
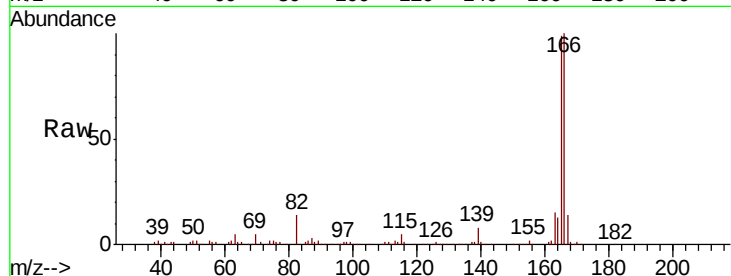
#58
 Fluorene
 Concen: 6.409 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		128845		
165	99.3	78.8	118.2		
167	13.6	11.0	16.4		

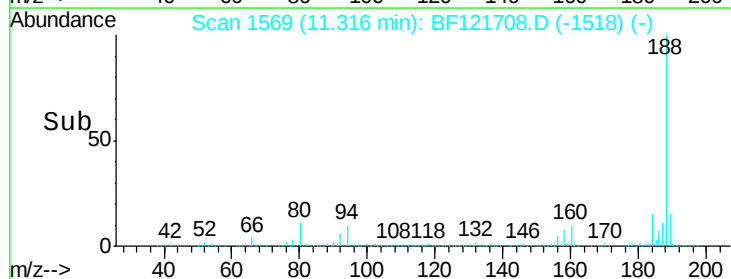
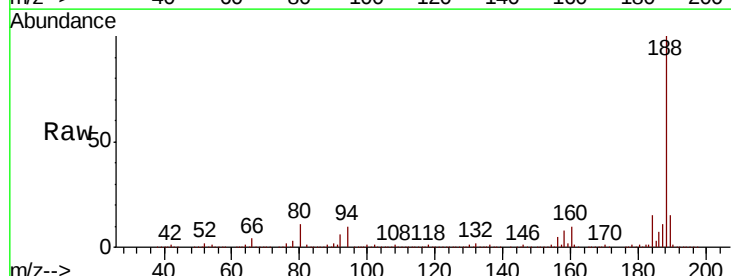
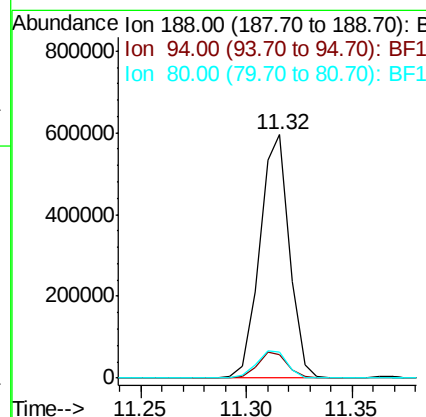
Manual Integrations
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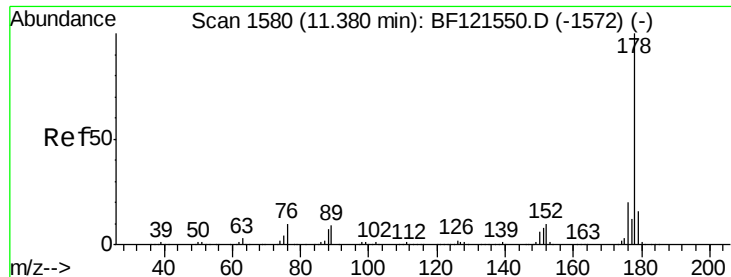
mohammad
 9/29/2020 3:24:17 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		581458		
94	9.8	8.4	12.6		
80	10.6	9.3	13.9		





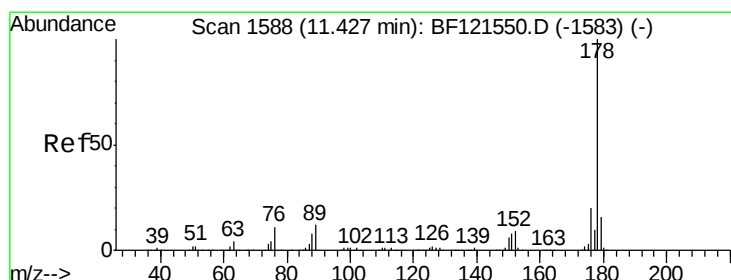
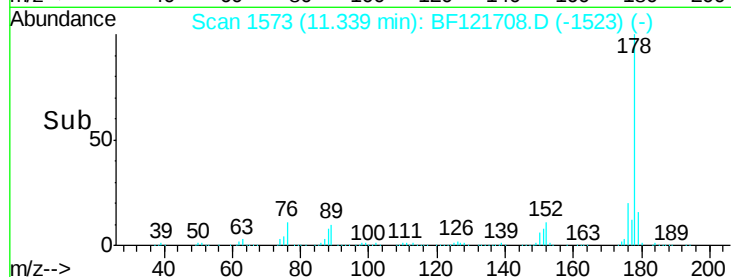
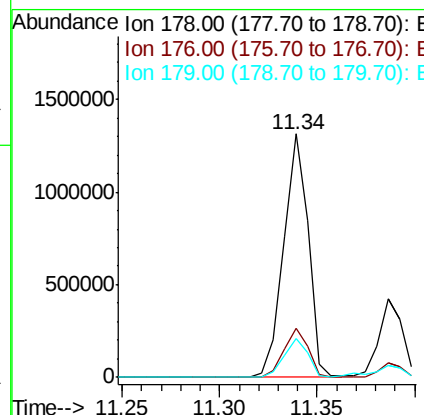
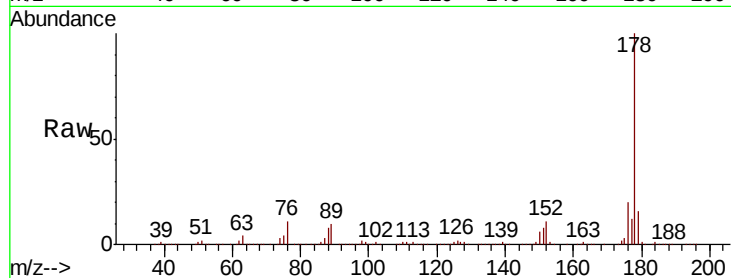
#71
 Phenanthrene
 Concen: 36.049 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	20.0	16.2	24.4	
179	15.9	12.5	18.7	

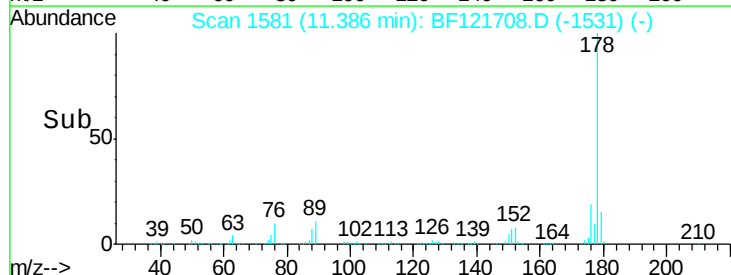
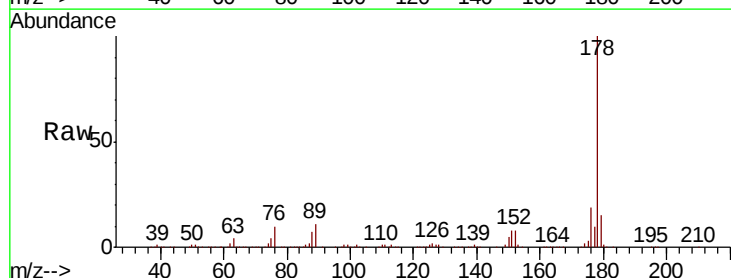
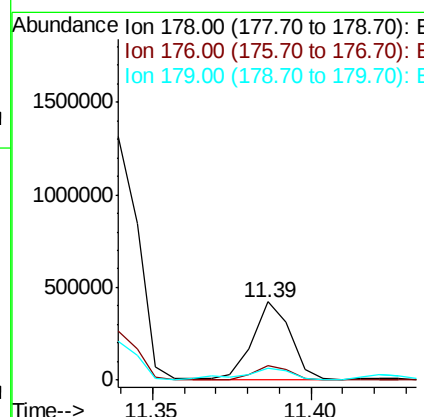
Manual Integrations
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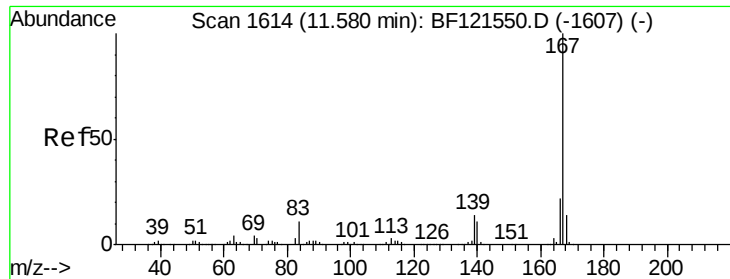
mohammad
 9/29/2020 3:24:17 PM



#72
 Anthracene
 Concen: 10.591 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.6	15.6	23.4	
179	15.4	12.7	19.1	





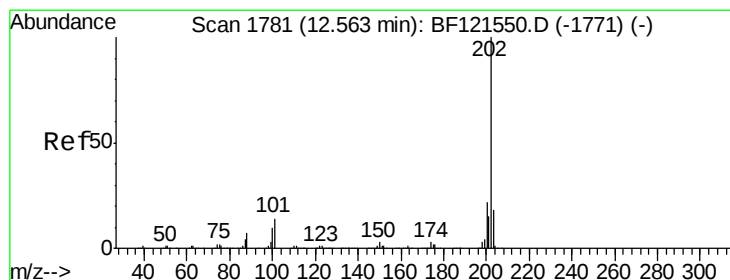
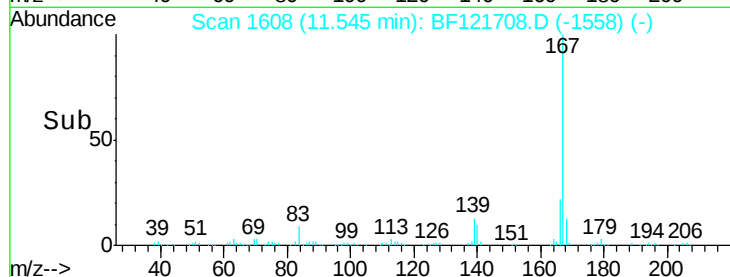
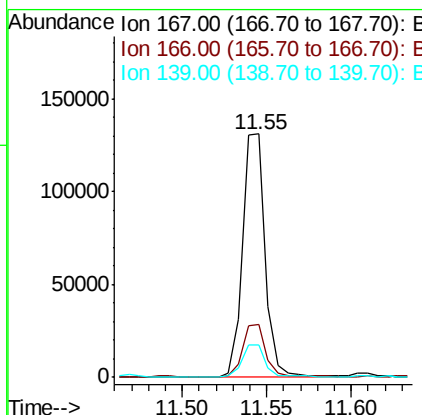
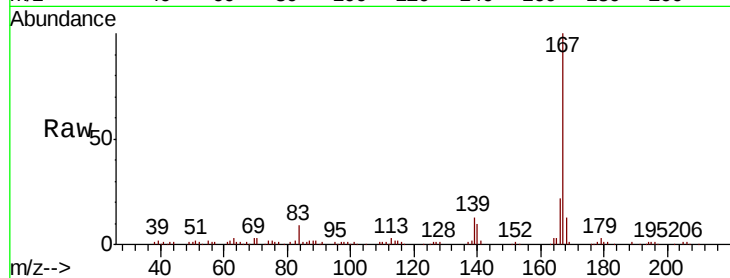
#73
 Carbazole
 Concen: 4.157 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	13.1	10.7	16.1

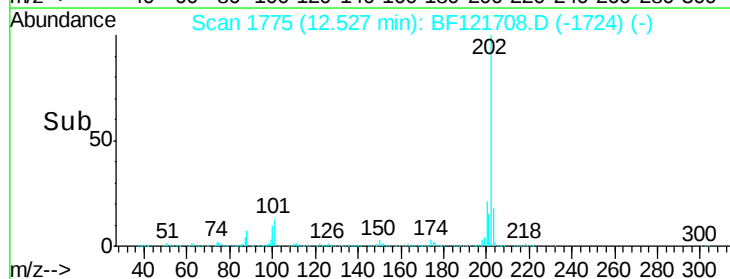
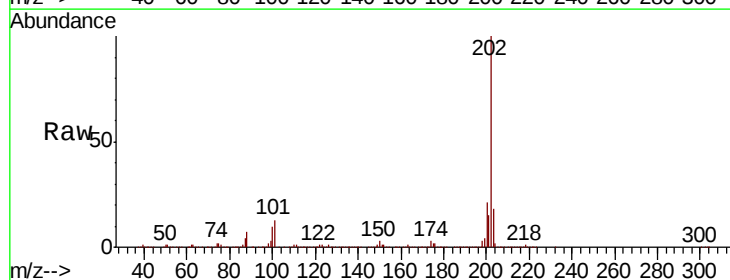
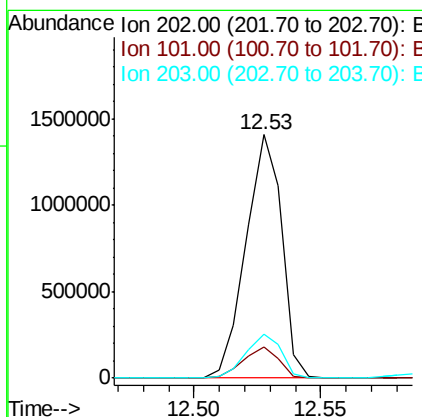
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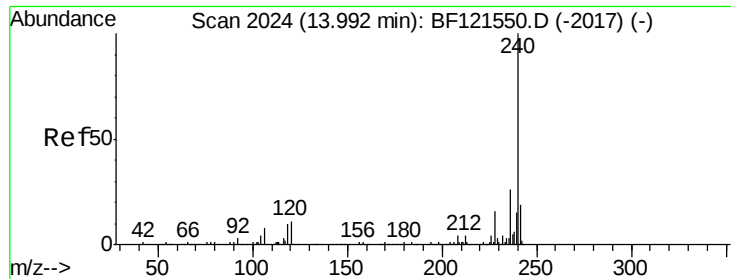
mohammad
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#75
 Fluoranthene
 Concen: 40.764 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.7
203	17.9	0.0	38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF121708.D

Acq: 28 Sep 2020 13:03

Instrument :

BNA_F

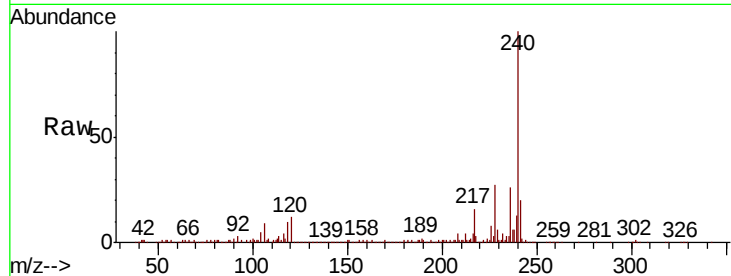
ClientSampleId :

B-3(13-15)DL

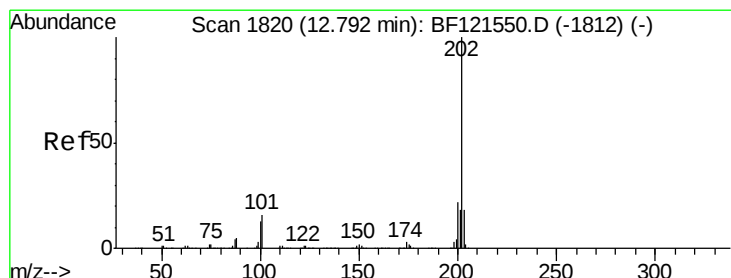
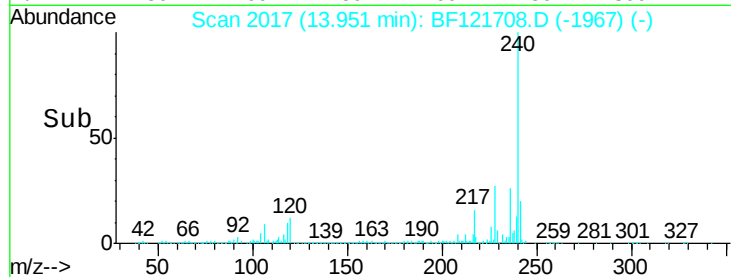
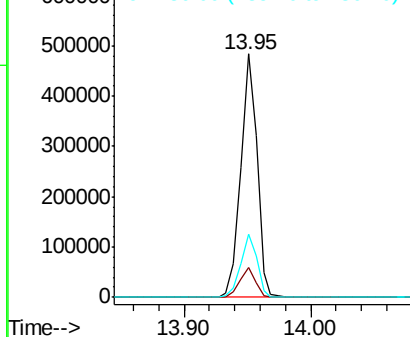
Tot Ion:	240	Resp:	424500
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.1	13.7
236	25.7	20.6	30.8

Manual Integrations
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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

Pyrene

Concen: 37.100 ng

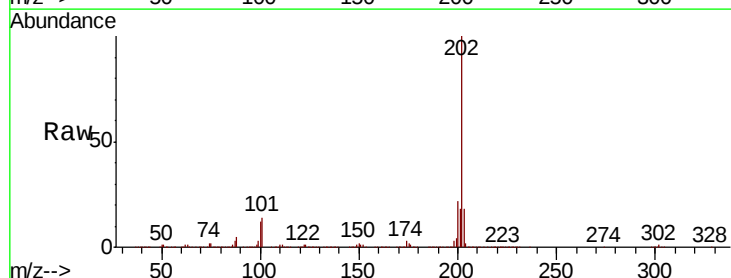
RT: 12.76 min Scan# 1814

Delta R.T. 0.00 min

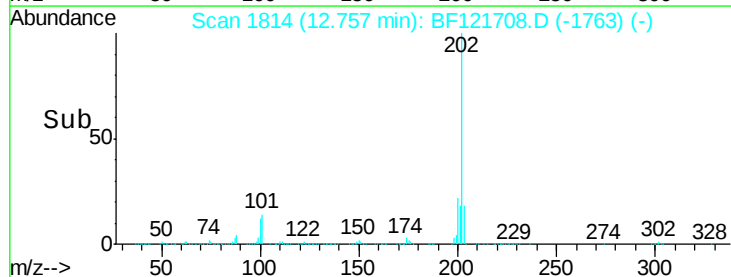
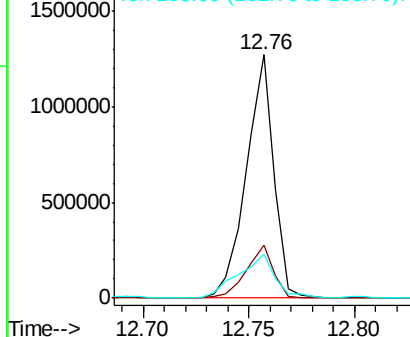
Lab File: BF121708.D

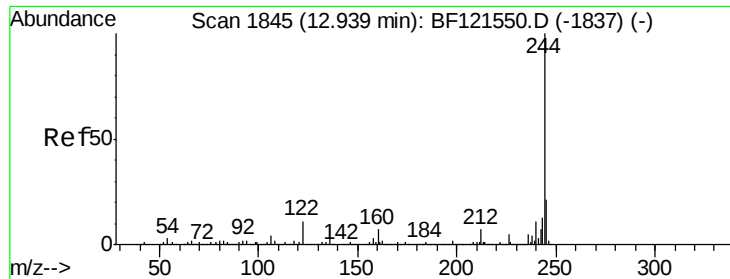
Acq: 28 Sep 2020 13:03

Tgt Ion:	202	Resp:	1150678
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.8	26.8
203	18.3	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





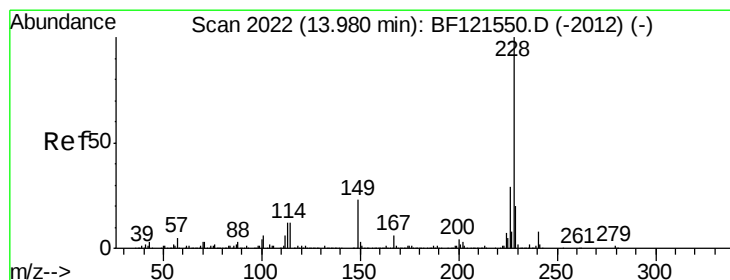
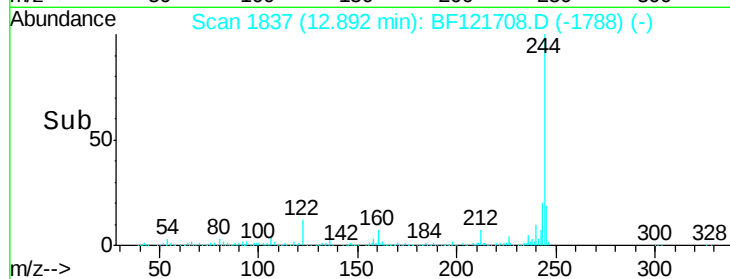
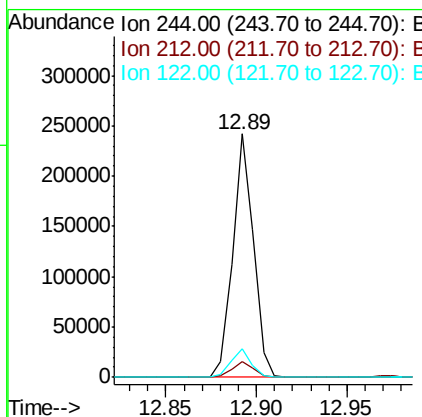
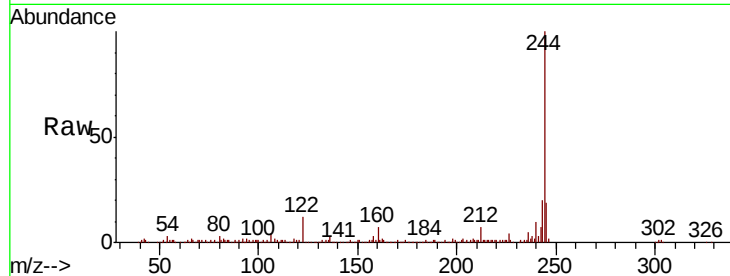
#79
 Terphenyl-d14
 Concen: 9.194 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.7	8.0	12.0

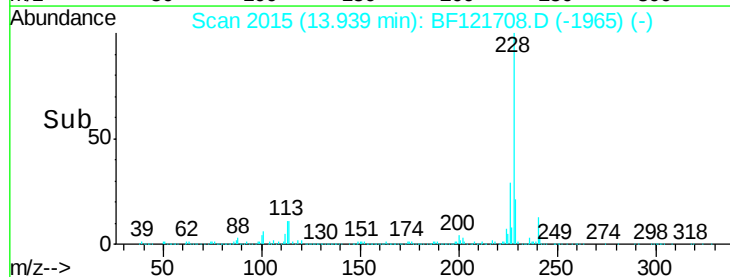
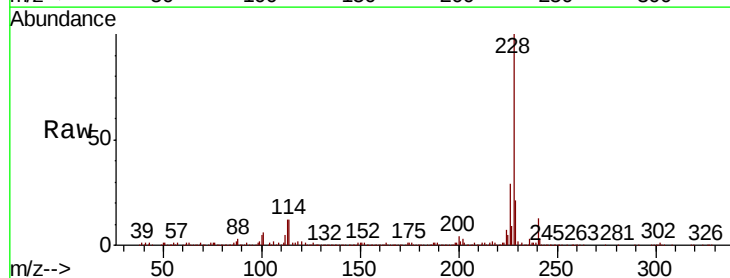
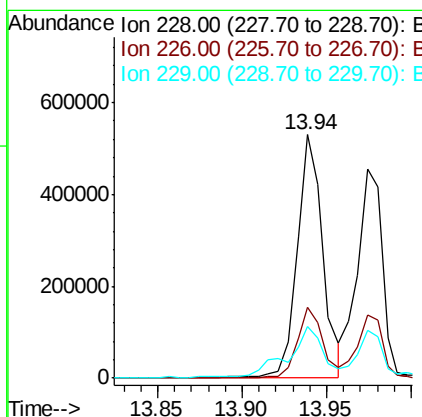
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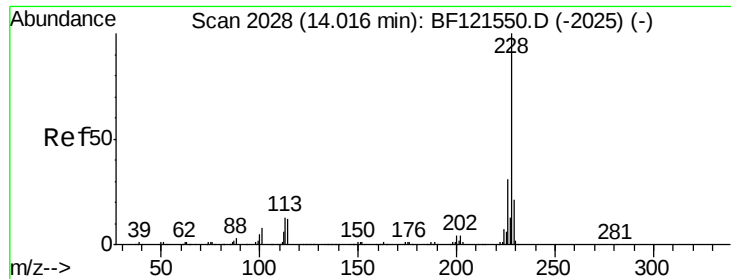
mohammad
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#81
 Benzo(a)anthracene
 Concen: 20.721 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.5	33.7
229	21.1	16.2	24.4





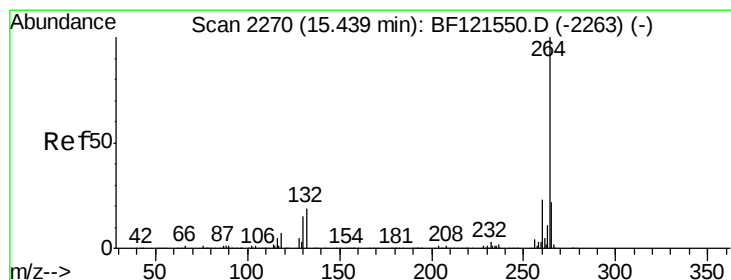
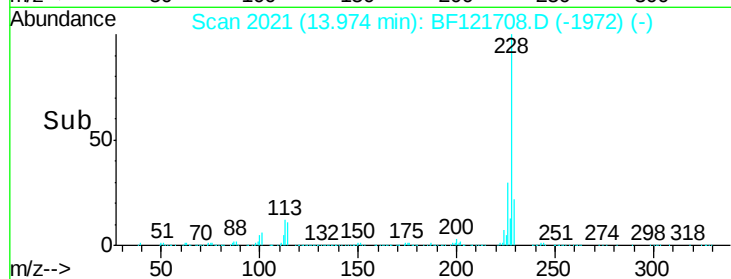
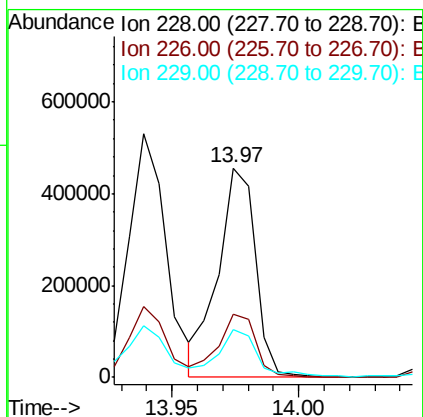
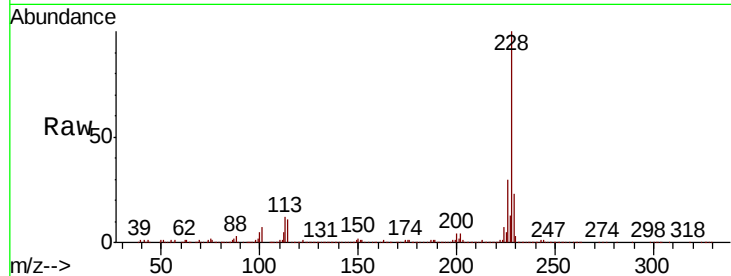
#83
Chrysene
Concen: 17.093 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Instrument :
BNA_F
ClientSampleId :
B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.4
229	22.7	16.0	24.0

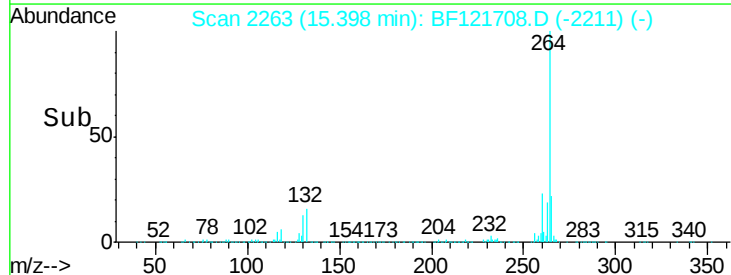
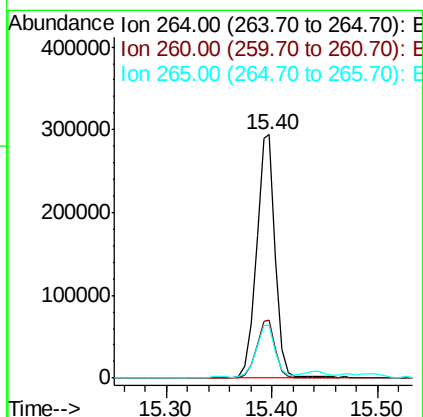
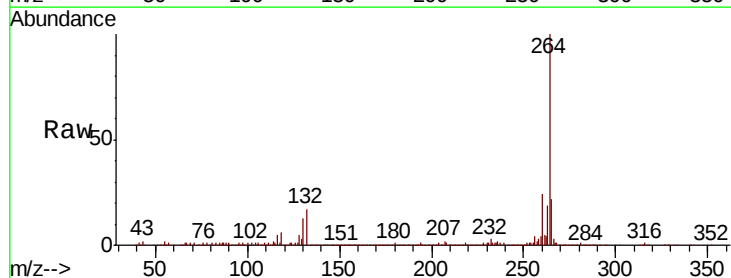
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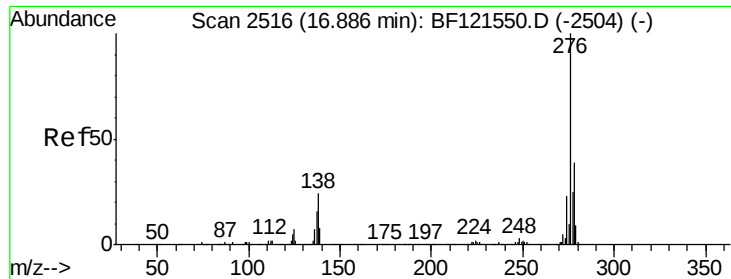
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.9	17.2	25.8





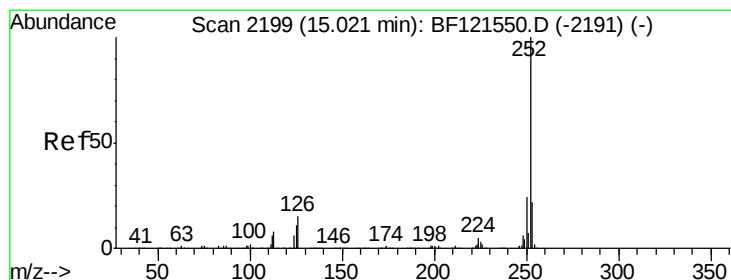
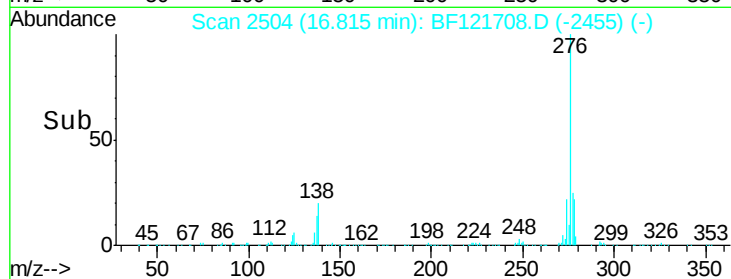
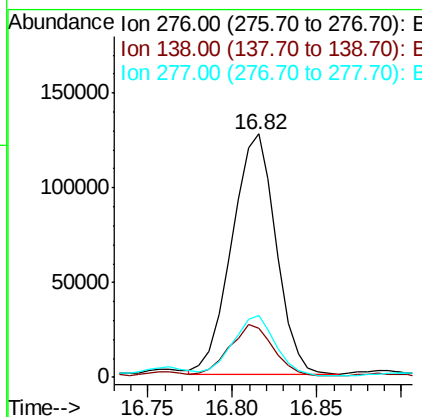
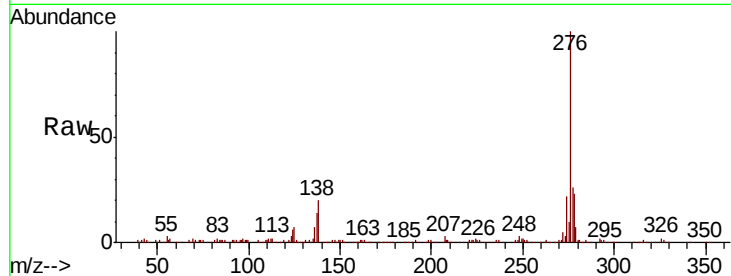
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.621 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Instrument :
 BNA_F
 ClientSampleId :
 B-3(13-15)DL

Tot Ion:	276	Resp:	230565
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.5	29.3
277	24.5	20.2	30.4

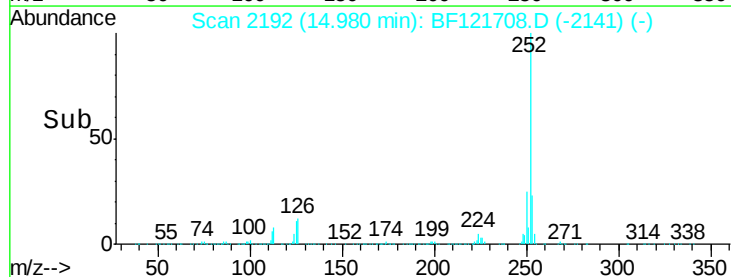
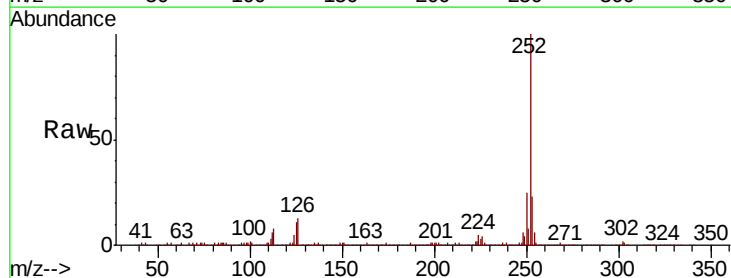
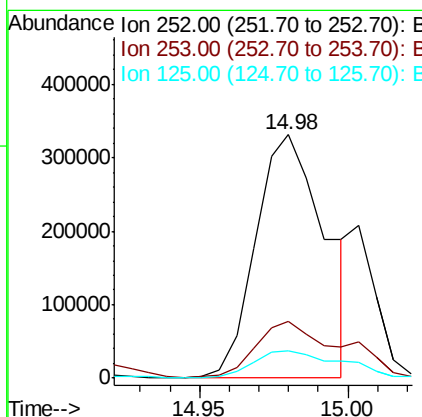
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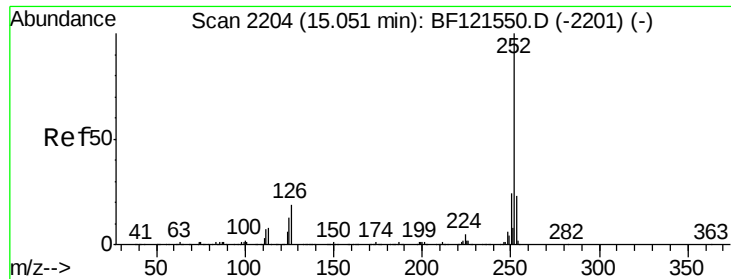
mohammad
 9/29/2020 3:24:17 PM



#88
 Benzo(b)fluoranthene
 Concen: 21.957 ng m
 RT: 14.98 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: BF121708.D
 Acq: 28 Sep 2020 13:03

Tgt Ion:	252	Resp:	540175
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	11.0	8.6	13.0





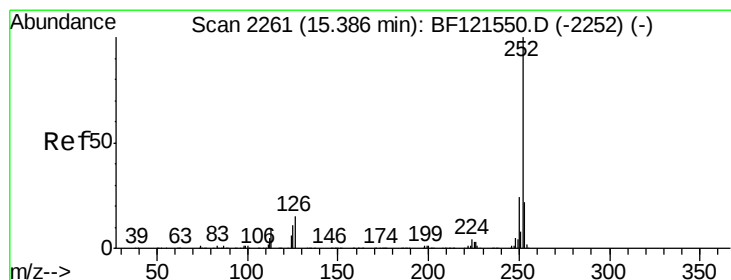
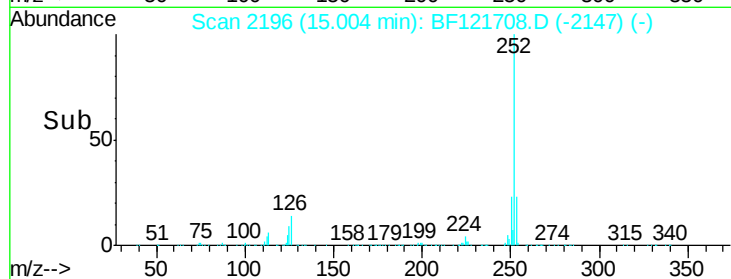
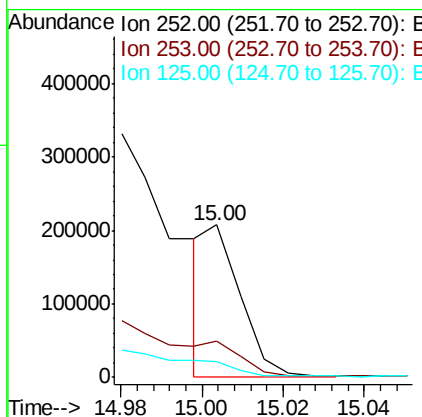
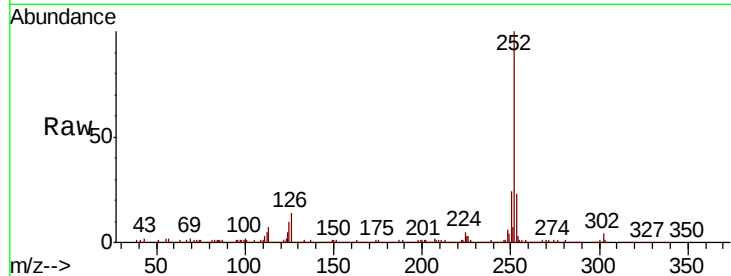
#89
Benzo(k)fluoranthene
Concen: 5.557 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Instrument :
BNA_F
ClientSampleId :
B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	10.1	7.1	10.7

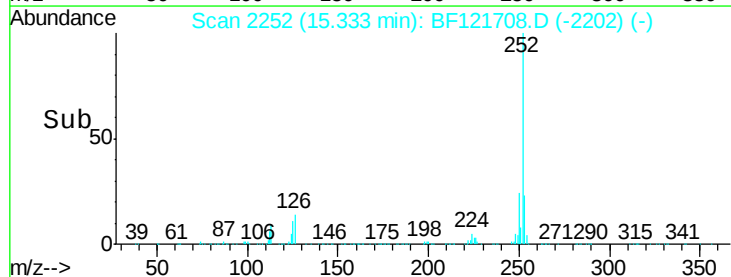
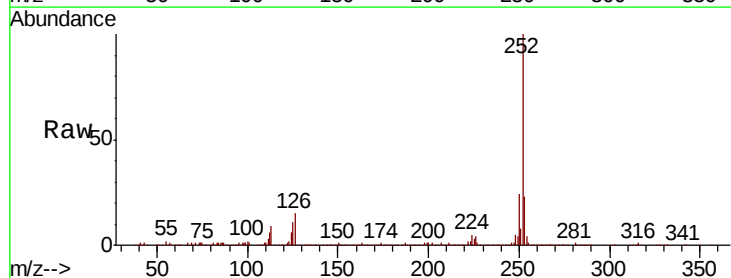
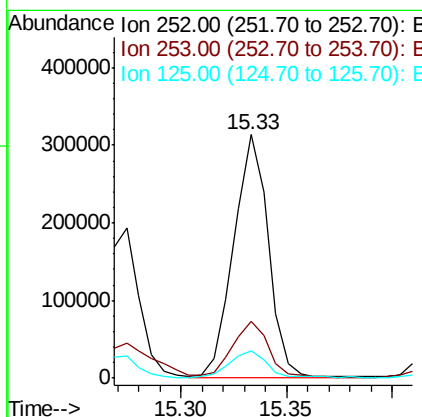
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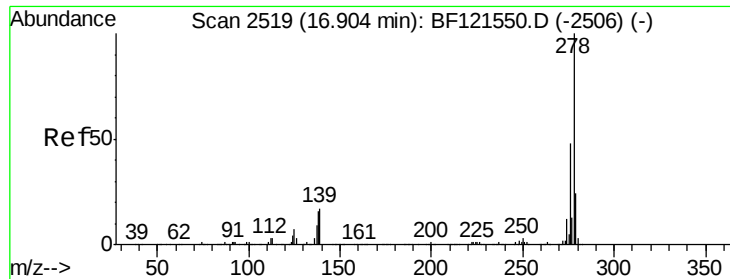
mohammad
9/29/2020 3:24:17 PM



#90
Benzo(a)pyrene
Concen: 16.949 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	11.3	9.2	13.8





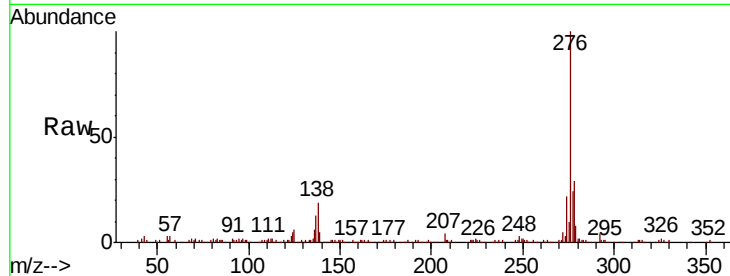
#91
Dibenzo(a,h)anthracene
Concen: 3.105 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Instrument :
BNA_F
ClientSampleId :
B-3(13-15)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.0	19.4
279	28.3	19.3	28.9

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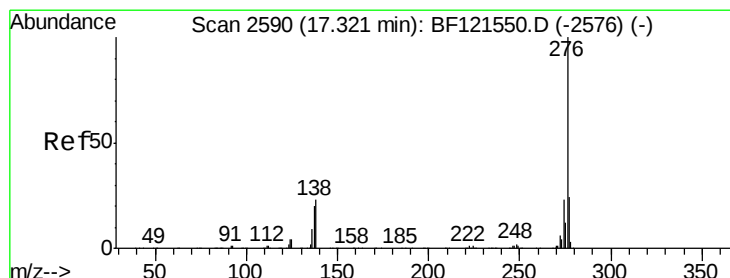
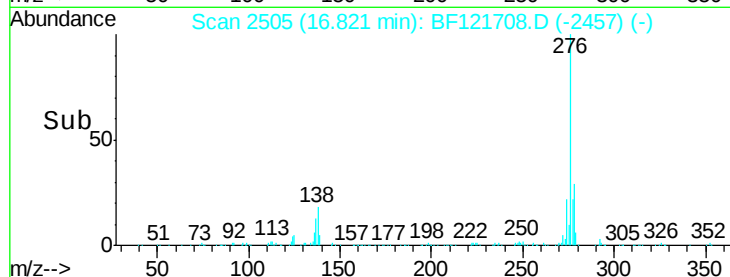
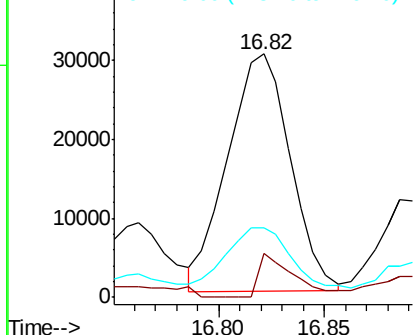


Abundance

Ion 278.00 (277.70 to 278.70): E

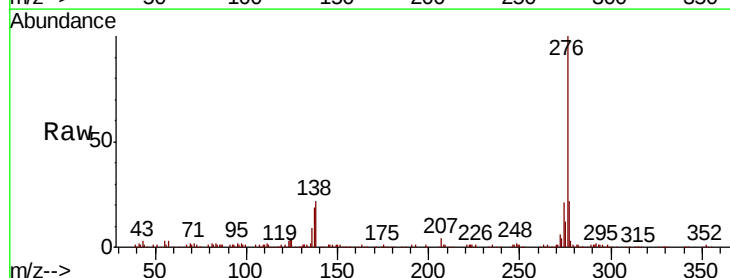
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 11.195 ng
RT: 17.24 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF121708.D
Acq: 28 Sep 2020 13:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.8	28.2
138	22.1	16.6	25.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

