

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121118.D
 Acq On : 29 Jul 2020 23:33
 Operator : JU/CG
 Sample : L3436-17 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17

Manual Integrations
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Quant Time: Jul 30 03:30:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149987	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	523283	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	246873	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	429278	20.00	ng	0.00
76) Chrysene-d12	13.97	240	371933	20.00	ng	0.00
86) Perylene-d12	15.43	264	287826	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	162004	17.71	ng	0.00
7) Phenol-d6	6.44	99	190641	16.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	102775	11.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	41069	15.20	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	226109	13.67	ng	0.00
79) Terphenyl-d14	12.91	244	217759	12.73	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.11	128	77945	2.904	ng	99
49) Acenaphthylene	9.70	152	59528	2.496	ng	97
50) Dimethylphthalate	9.56	163	48620	2.730	ng	98
52) Acenaphthene	9.87	154	44524	2.936	ng	97
58) Fluorene	10.39	166	74826	4.575	ng	99
71) Phenanthrene	11.36	178	541651	24.534	ng	98
72) Anthracene	11.40	178	253025	11.413	ng	98
73) Carbazole	11.56	167	66507	3.023	ng	99
75) Fluoranthene	12.55	202	809172	33.066	ng	98
78) Pyrene	12.77	202	782461	29.756	ng	99
81) Benzo(a)anthracene	13.96	228	370083	16.432	ng	97
83) Chrysene	14.00	228	356585	15.066	ng	97
87) Indeno(1,2,3-cd)pyrene	16.86	276	113619	5.676	ng	97
88) Benzo(b)fluoranthene	15.00	252	324038m	18.625	ng	
89) Benzo(k)fluoranthene	15.03	252	98139m	6.185	ng	
90) Benzo(a)pyrene	15.36	252	223831	14.101	ng	96
92) Benzo(a,h,i)perylene	17.29	276	108877	6.753	ng	98

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

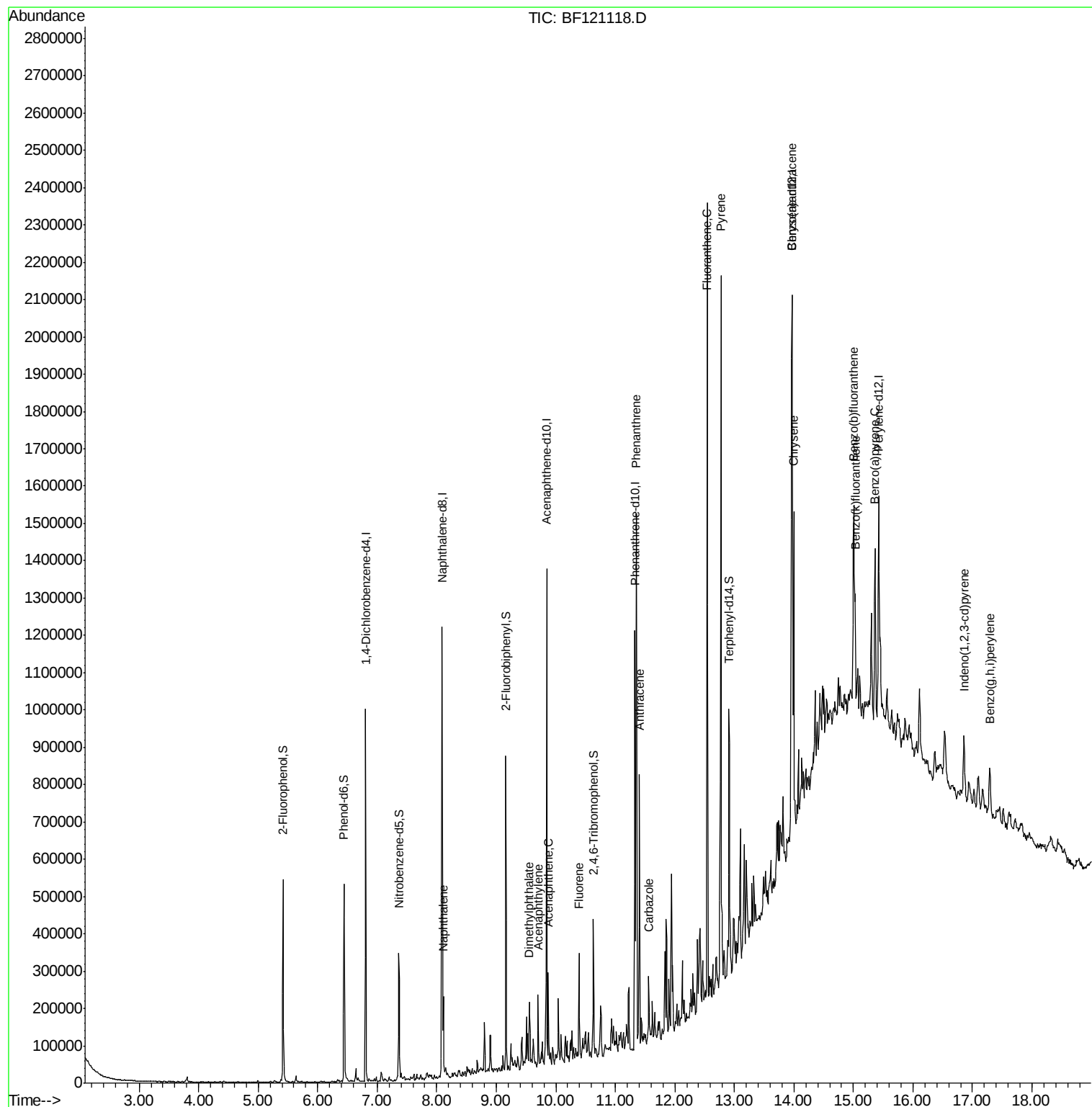
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121118.D
Acq On : 29 Jul 2020 23:33
Operator : JU/CG
Sample : L3436-17 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

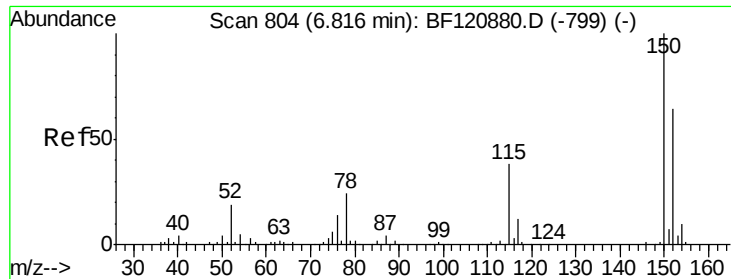
Instrument :
BNA_F
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17

Quant Time: Jul 30 03:30:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 14:55:43 2020
Response via : Initial Calibration

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#1

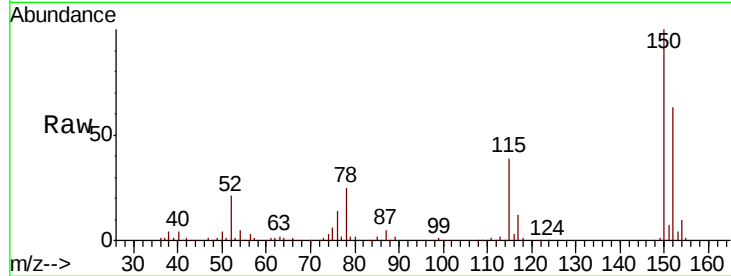
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampleId :
17

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.6	188.4
115	61.7	46.2	69.2

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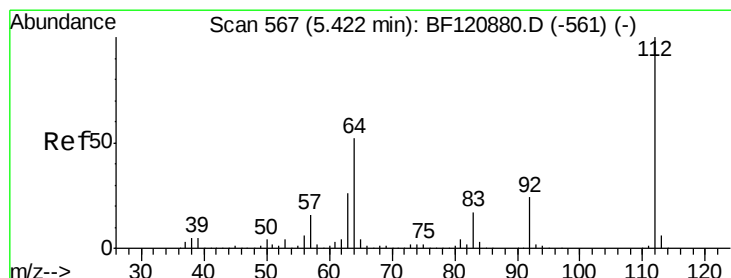
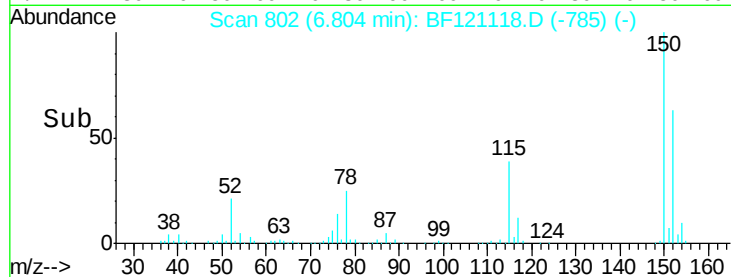
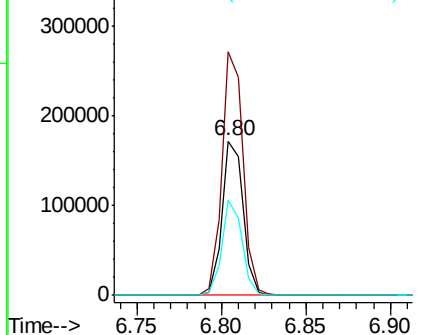


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

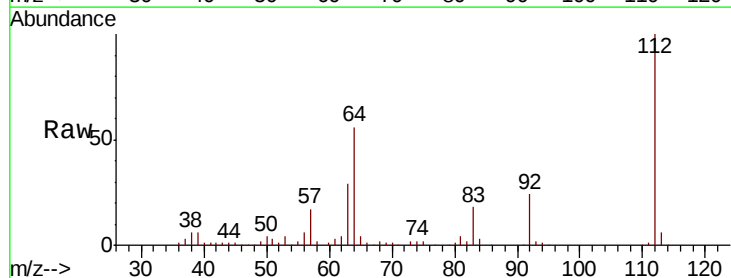
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.707 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	43.9	65.9
63	28.7	22.7	34.1

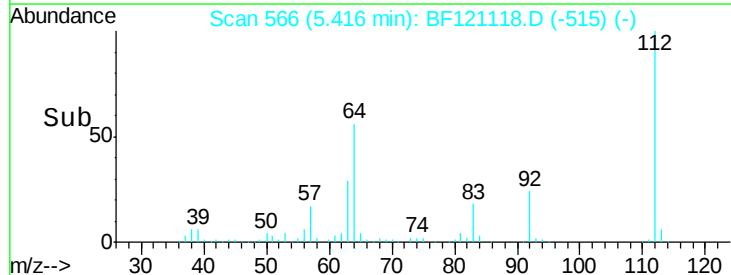
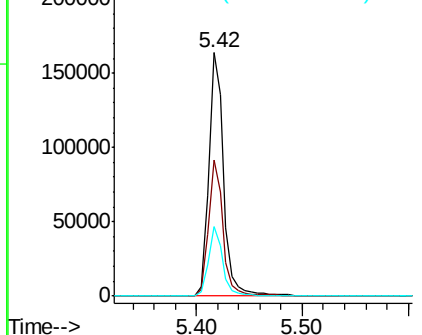


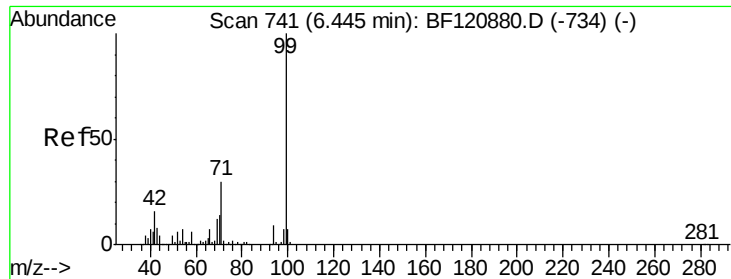
Abundance

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: 16.131 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121118.D

Acq: 29 Jul 2020 23:33

Instrument :

BNA_F

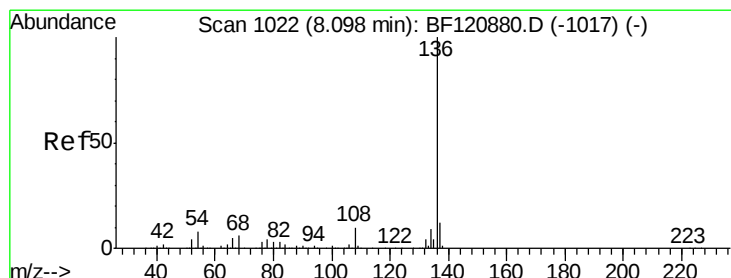
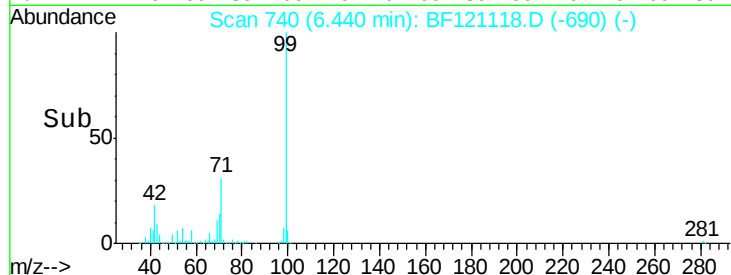
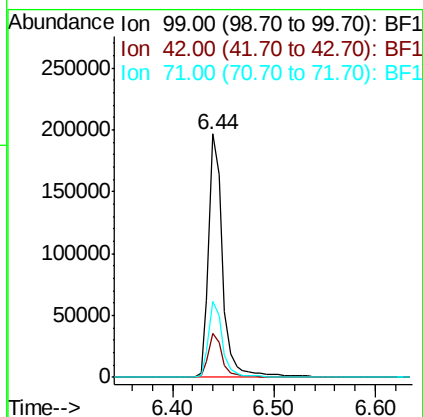
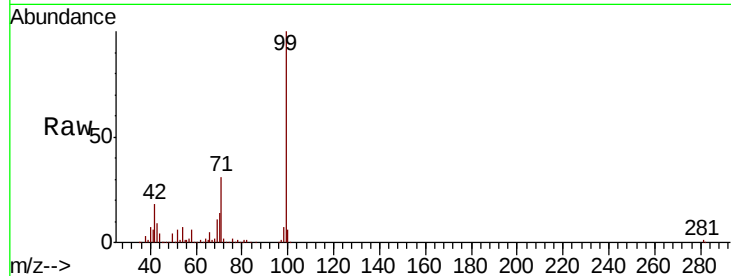
ClientSampled :

17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		190641		
42	17.9	13.5	20.3		
71	31.3	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

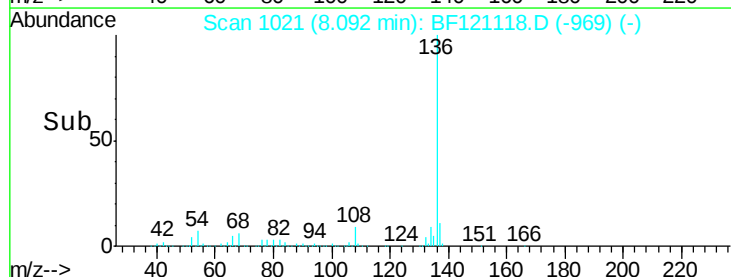
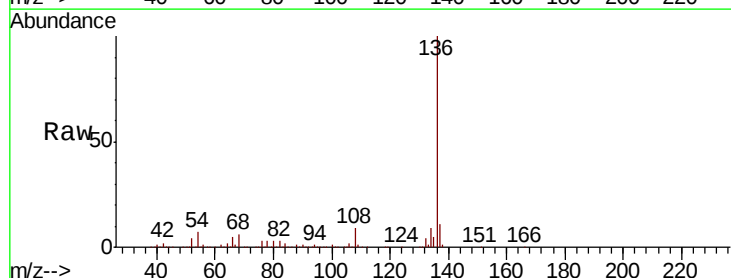
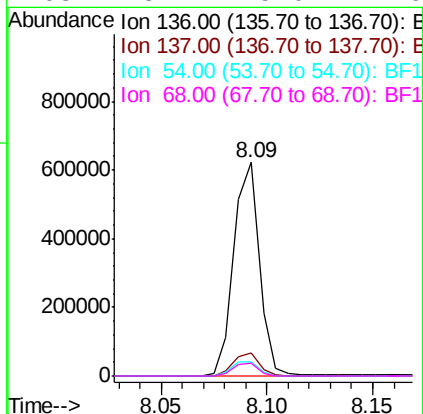
RT: 8.09 min Scan# 1021

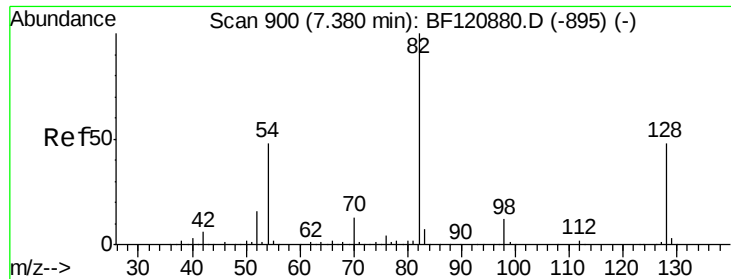
Delta R.T. 0.01 min

Lab File: BF121118.D

Acq: 29 Jul 2020 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		523283		
137	10.9	9.0	13.4		
54	6.7	6.1	9.1		
68	5.7	5.0	7.6		





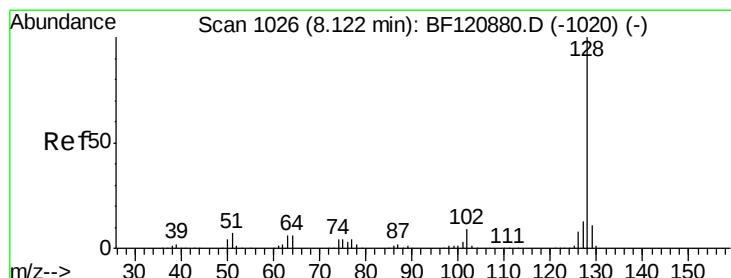
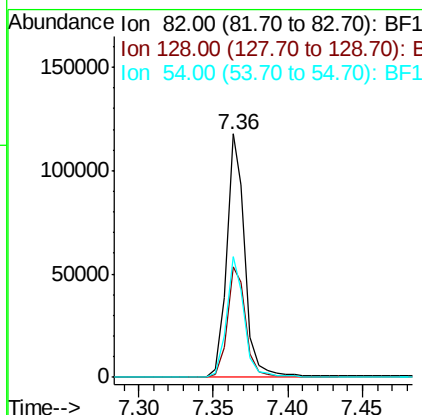
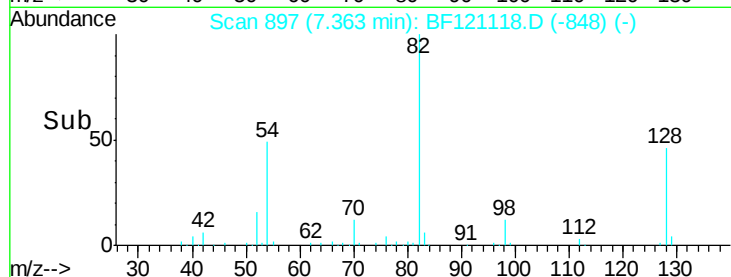
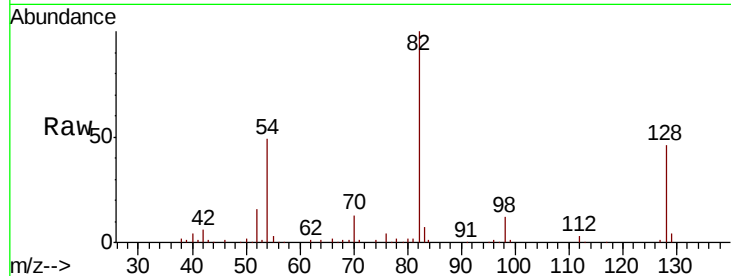
#23
Nitrobenzene-d5
Concen: 11.365 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampled :
17

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	39.2	58.8
54	49.4	37.8	56.8

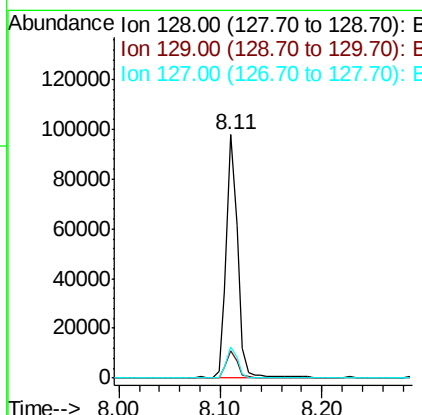
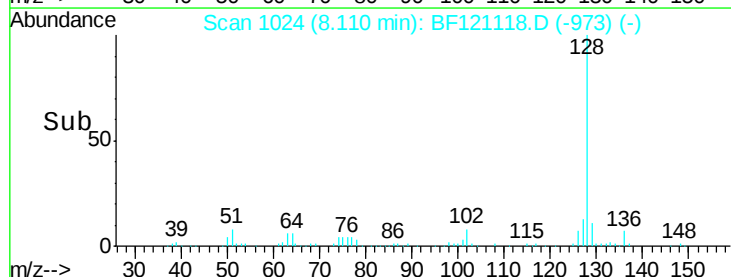
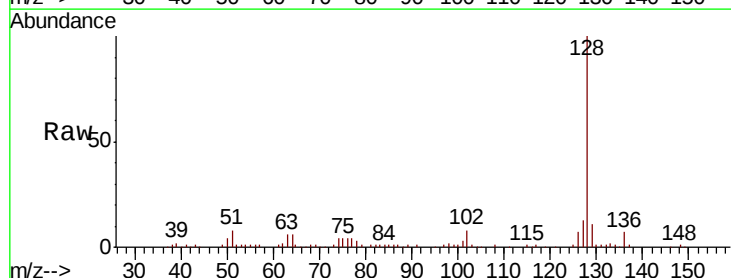
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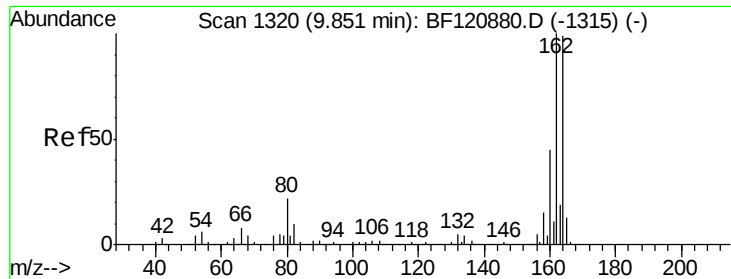
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#31
Naphthalene
Concen: 2.904 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	12.6	10.8	16.2





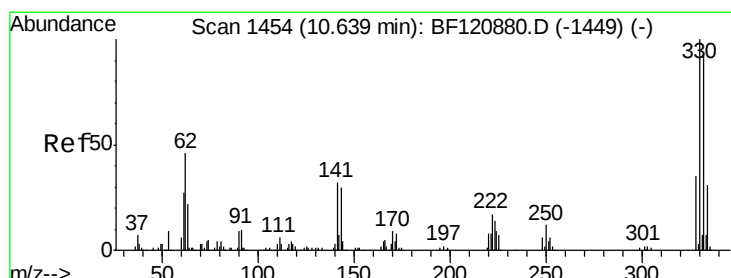
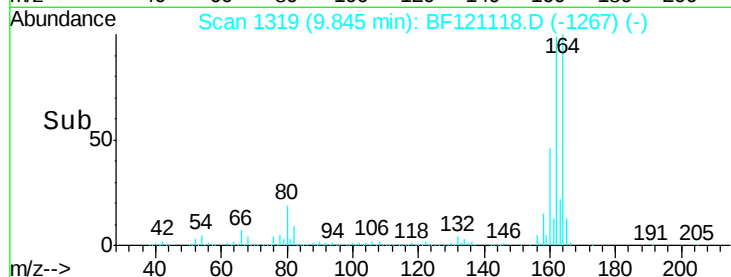
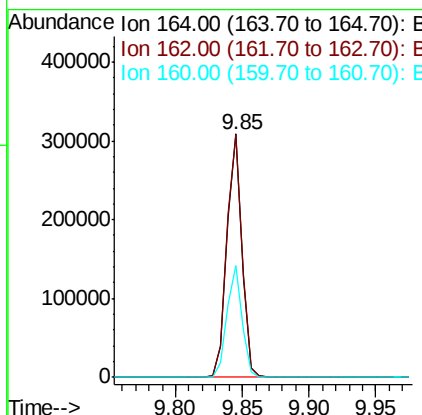
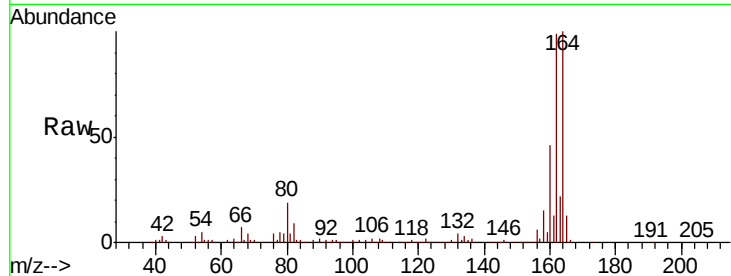
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampleId :
17

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.4	82.2	123.2	
160	45.7	37.2	55.8	

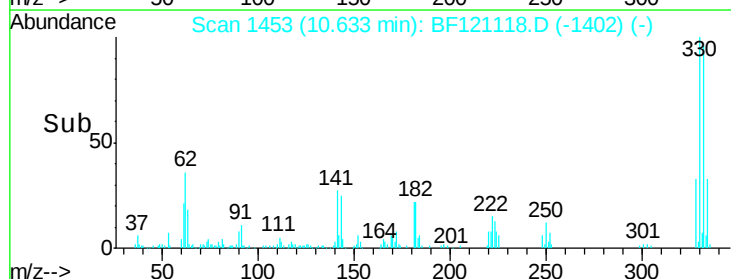
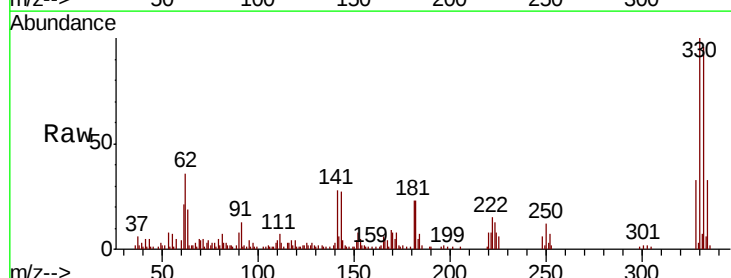
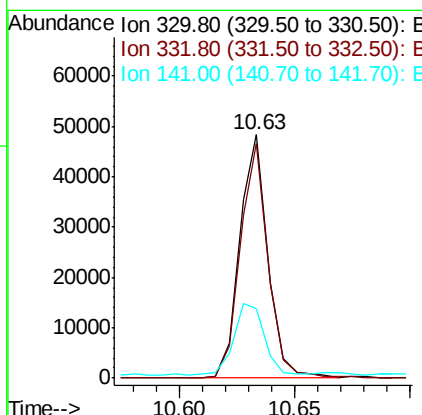
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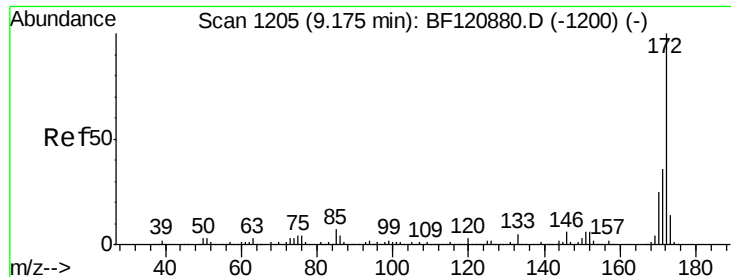
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#42
2,4,6-Tribromophenol
Concen: 15.198 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	76.1	114.1	
141	32.3	24.1	36.1	





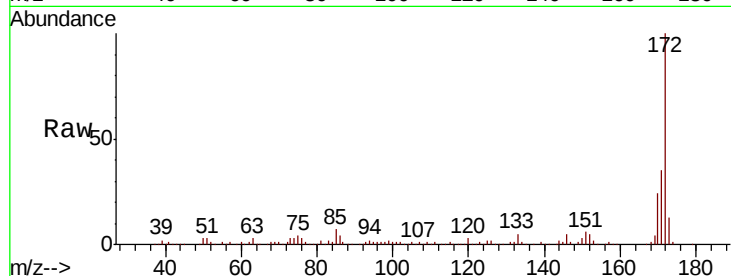
#45
2-Fluorobiphenyl
Concen: 13.675 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampleId :
17

Tot Ion	Ratio	Resp	Lower	Upper
172	100	226109		
171	34.6		29.0	43.4
170	24.1		19.6	29.4

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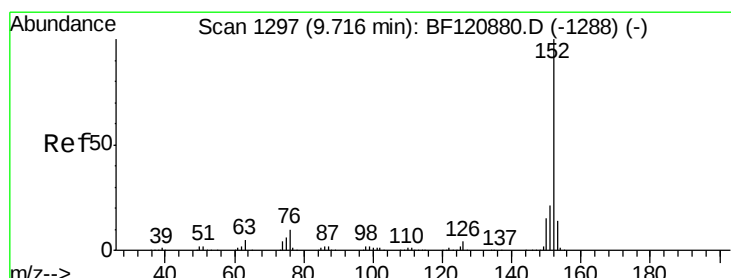
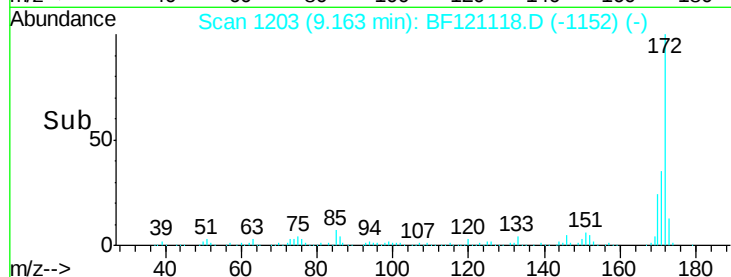
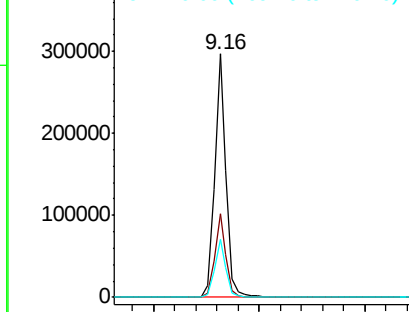


Abundance

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: 2.496 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

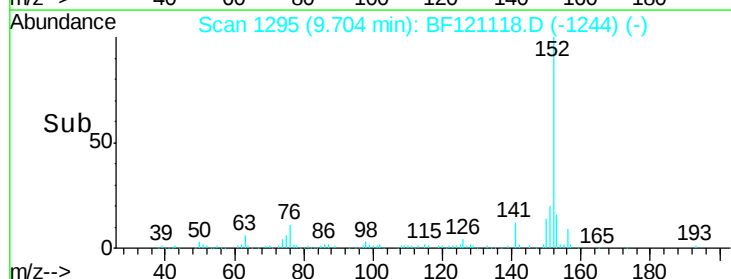
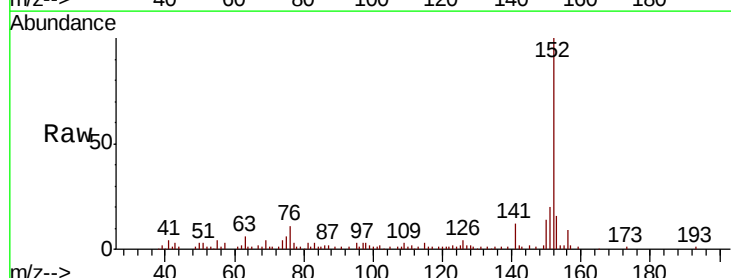
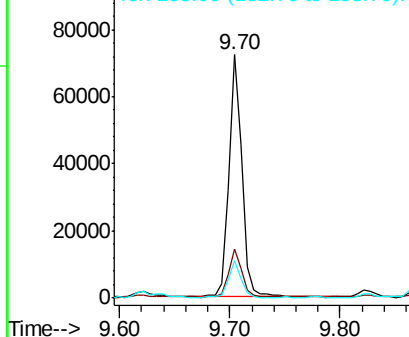
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	59528		
151	20.0		16.6	25.0
153	15.7		11.0	16.4

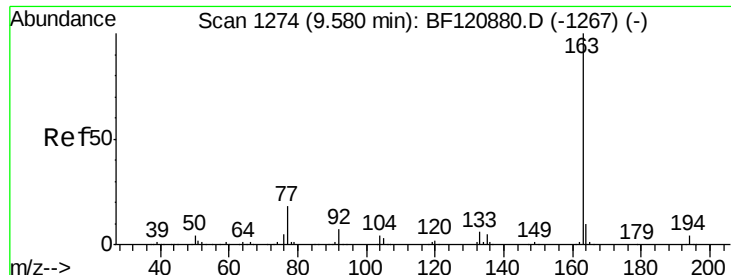
Abundance

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





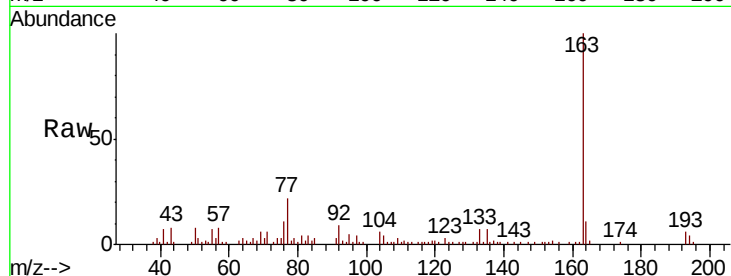
#50
Dimethylphthalate
Concen: 2.730 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampleId :
17

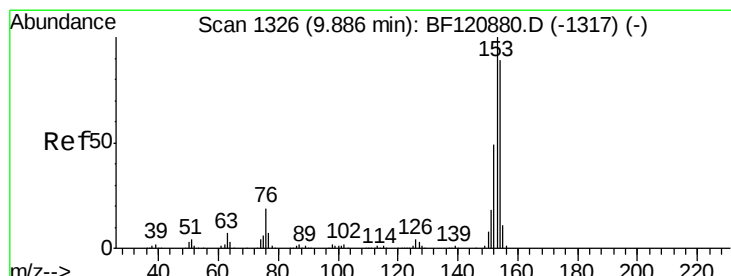
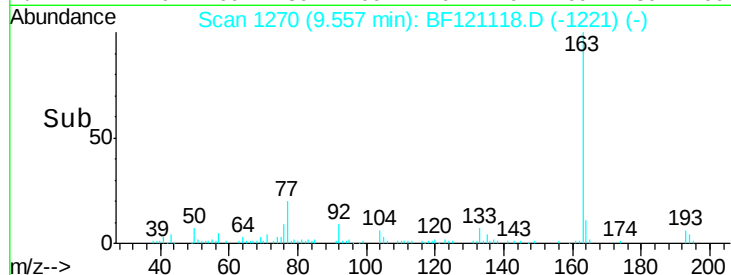
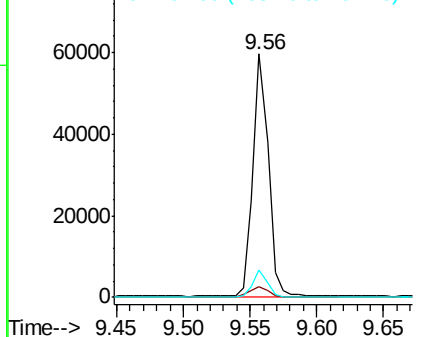
Tot Ion	Ratio	Resp	Lower	Upper
163	100	48620		
194	4.4		3.0	4.4
164	11.0		8.4	12.6

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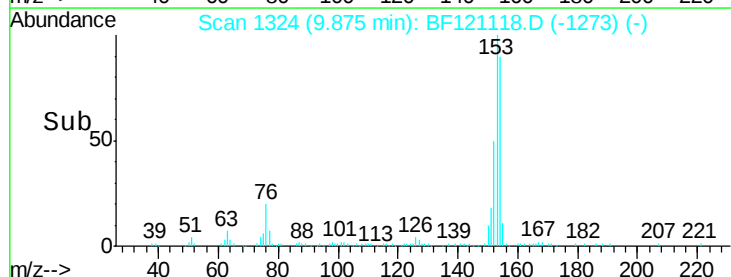
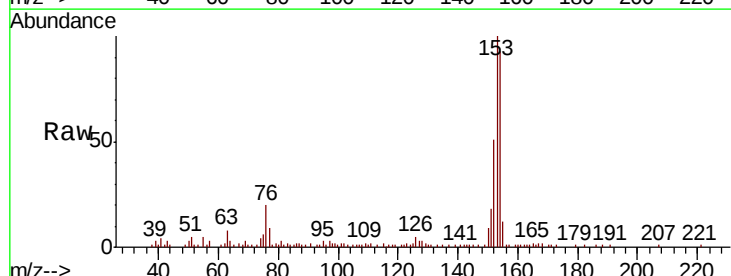
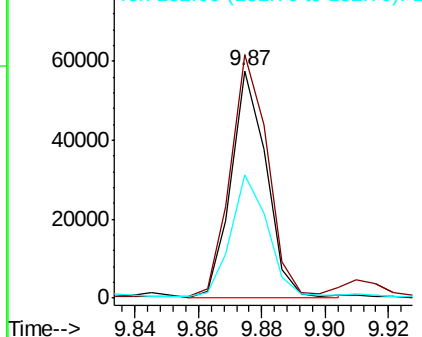
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

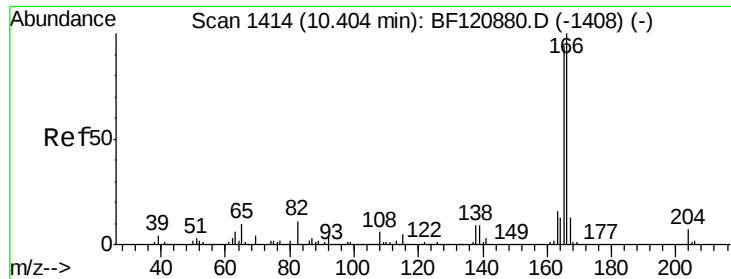


#52
Acenaphthene
Concen: 2.936 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	44524		
153	107.2		89.6	134.4
152	54.4		43.8	65.6

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





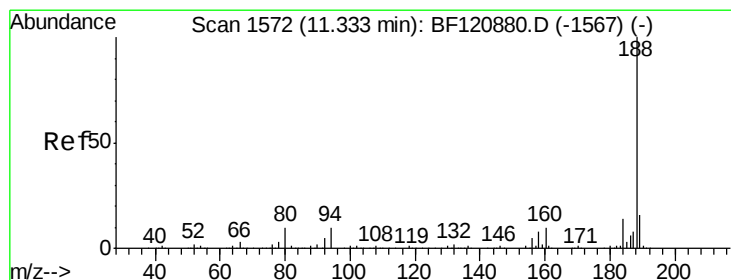
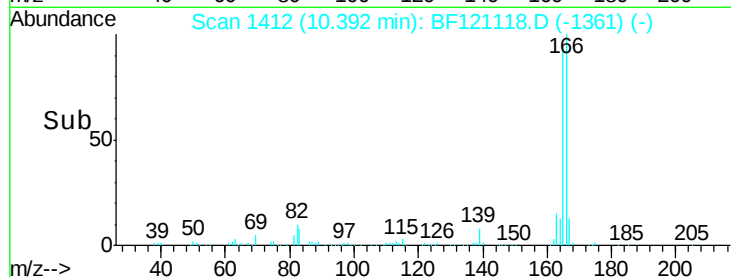
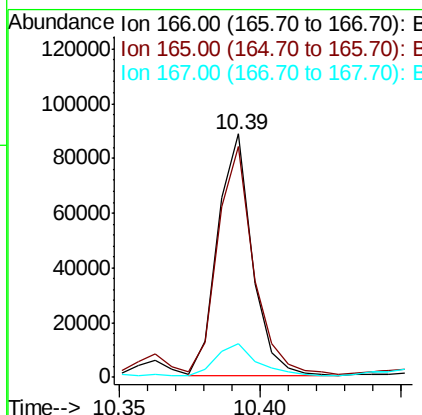
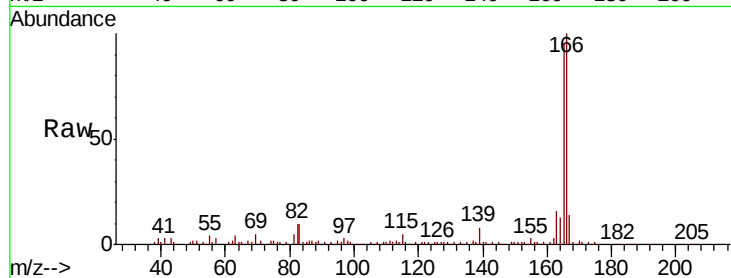
#58
 Fluorene
 Concen: 4.575 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Instrument :
 BNA_F
 ClientSampleId :
 17

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	94.7	76.4	114.6	
167	13.6	10.7	16.1	

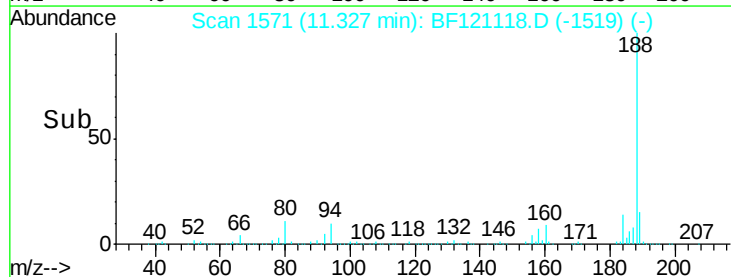
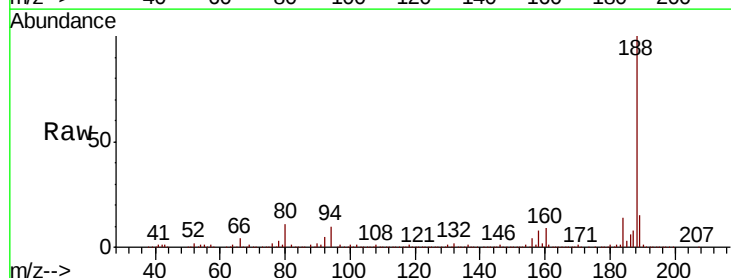
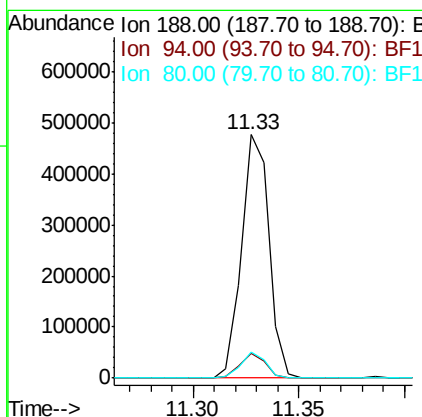
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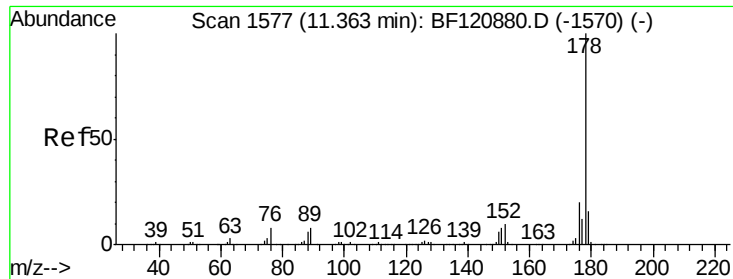
mohammad
 7/30/2020 3:34:10 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.0	8.0	12.0	
80	10.6	8.3	12.5	





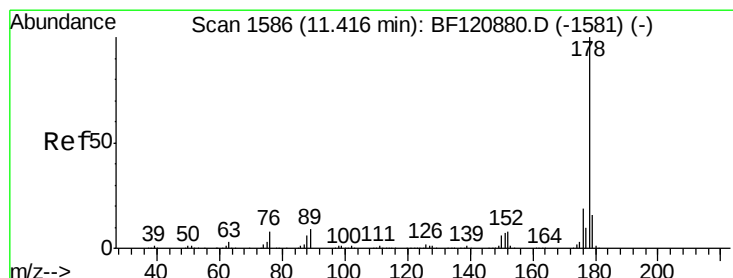
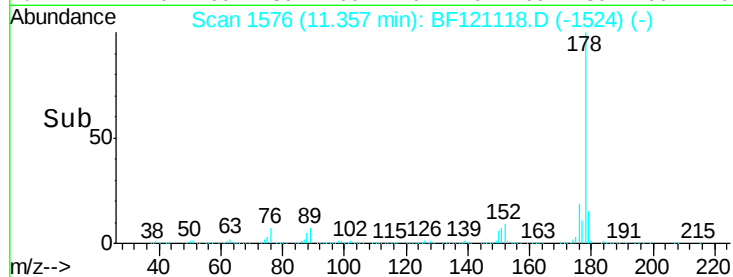
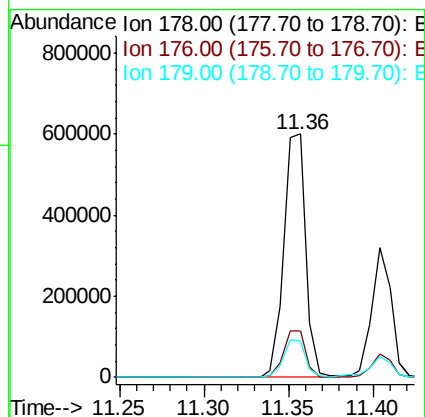
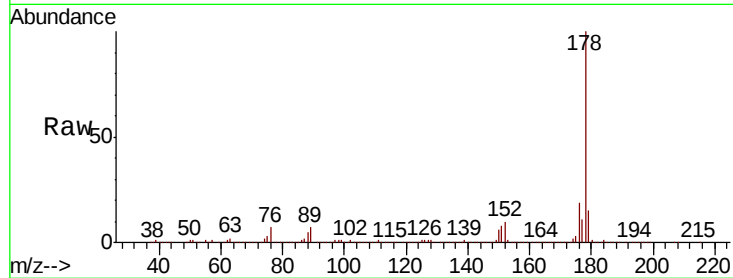
#71
Phenanthrene
Concen: 24.534 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampleId :
17

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	15.0	12.6	19.0

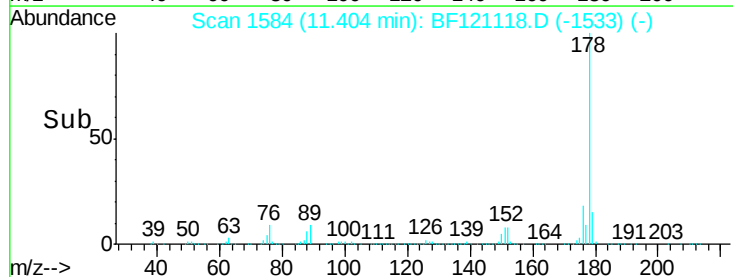
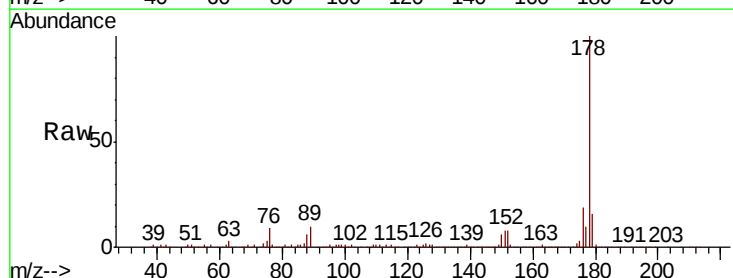
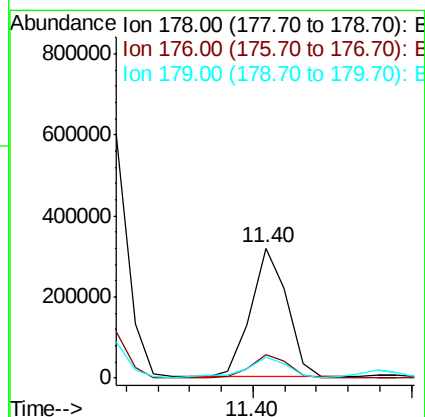
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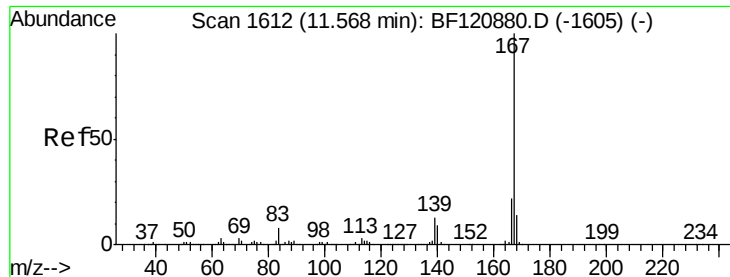
mohammad
7/30/2020 3:34:10 PM



#72
Anthracene
Concen: 11.413 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.7	12.6	19.0





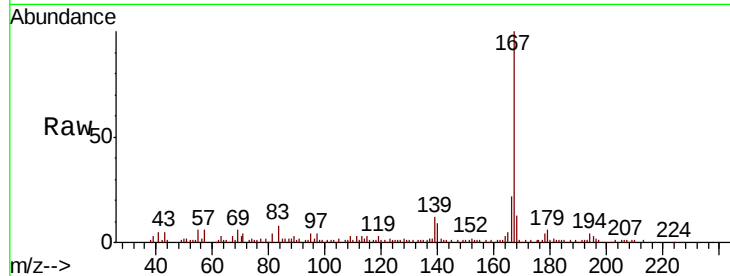
#73
 Carbazole
 Concen: 3.023 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Instrument :
 BNA_F
 ClientSampleId :
 17

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	12.3	10.5	15.7

Manual Integrations
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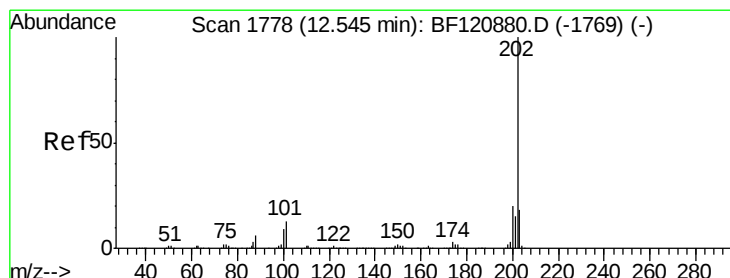
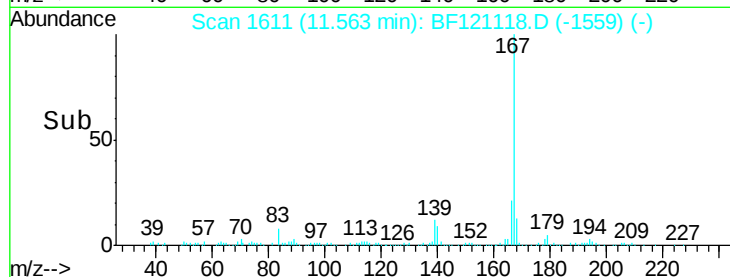
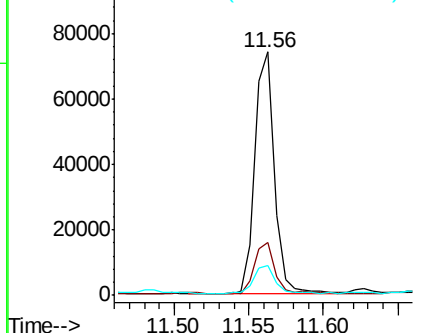


Abundance

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: 33.066 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

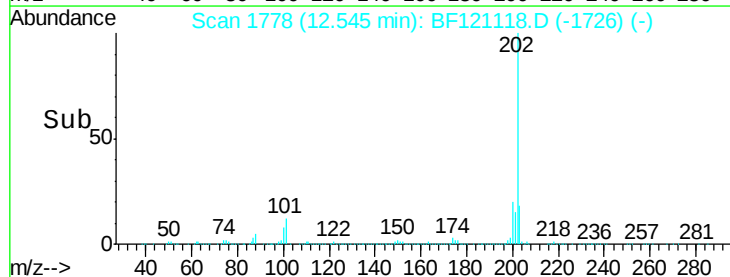
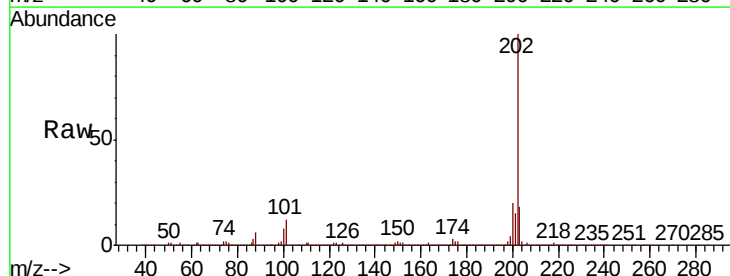
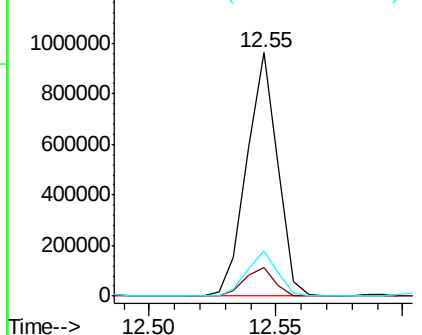
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	30.5
203	18.3	0.0	37.7

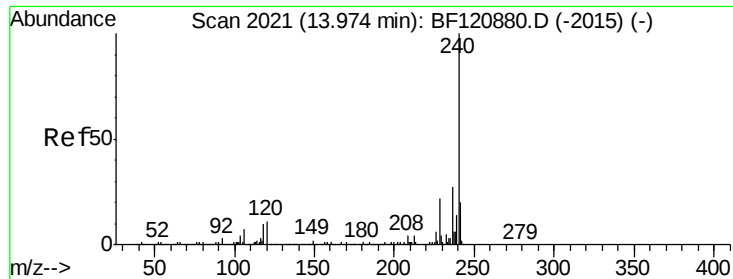
Abundance

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





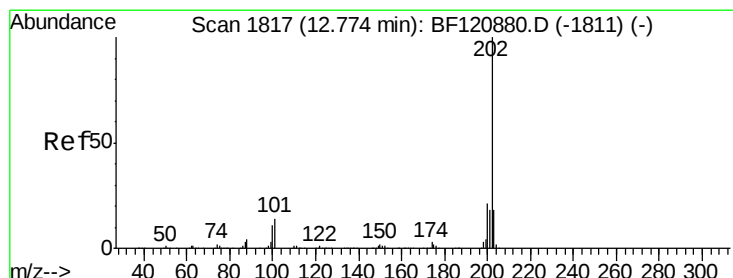
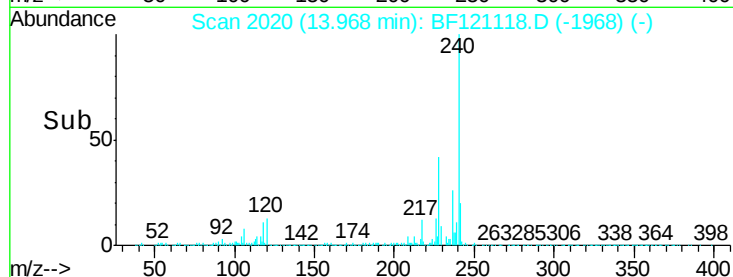
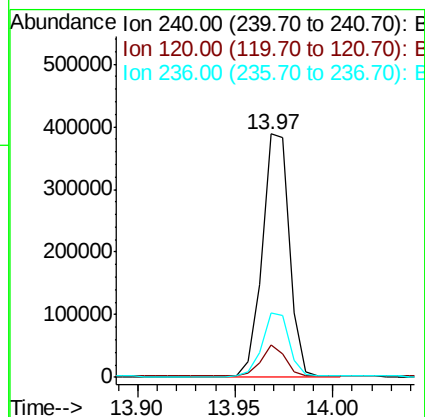
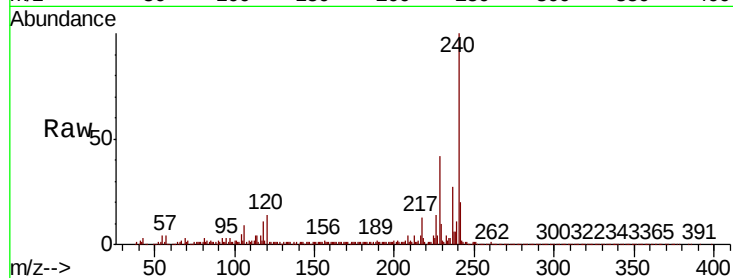
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampled :
17

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.3	13.9
236	26.7	21.1	31.7

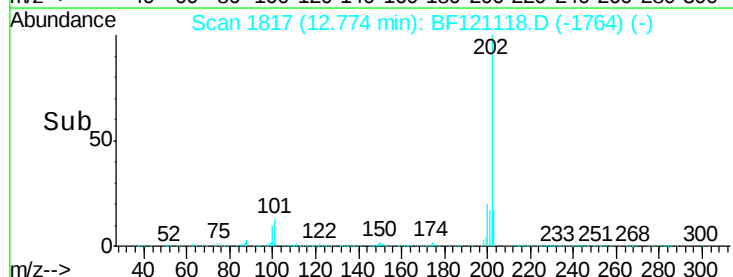
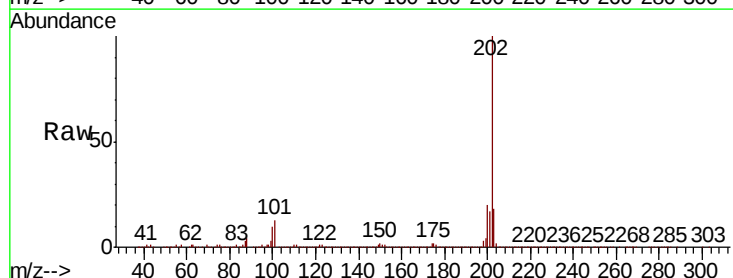
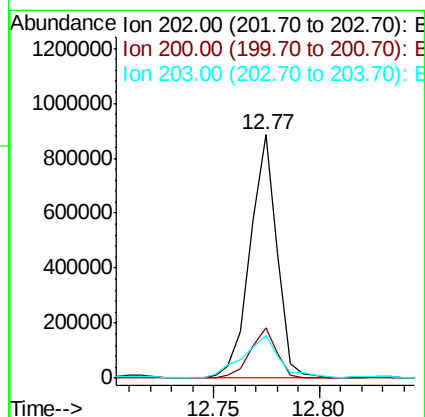
Manual Integrations
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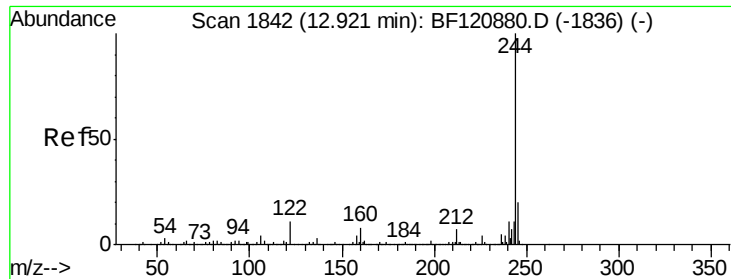
mohammad
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#78
Pyrene
Concen: 29.756 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	17.8	14.6	21.8





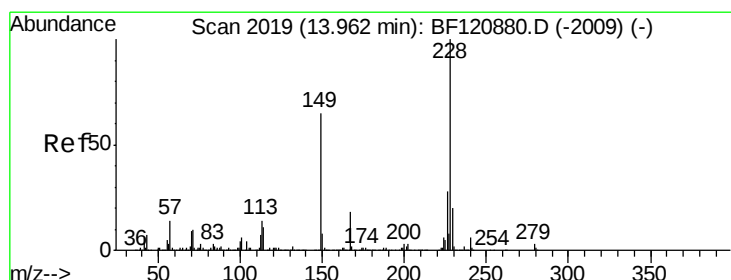
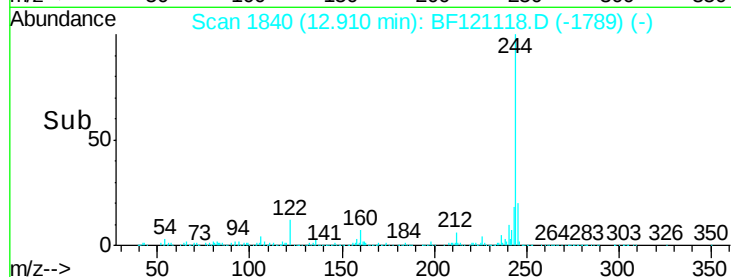
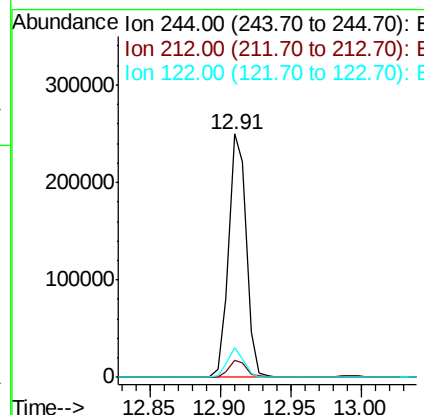
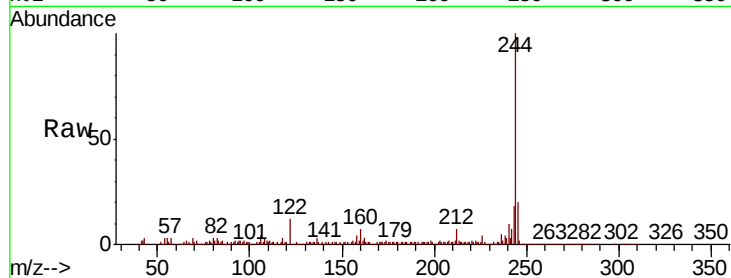
#79
 Terphenyl-d14
 Concen: 12.727 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Instrument :
 BNA_F
 ClientSampleId :
 17

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	12.1	8.3	12.5

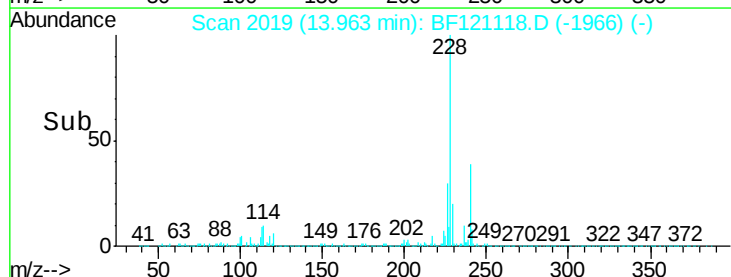
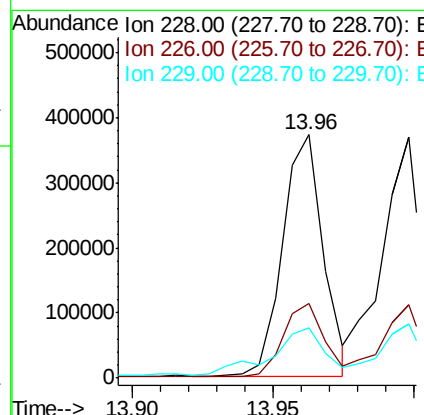
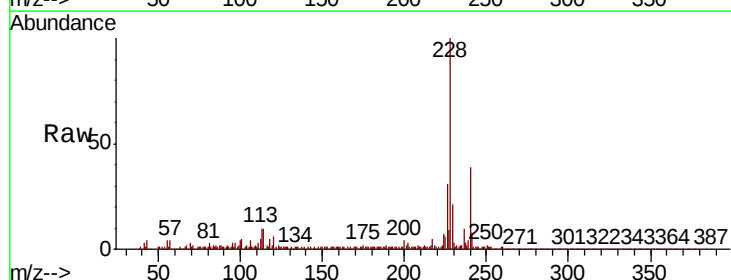
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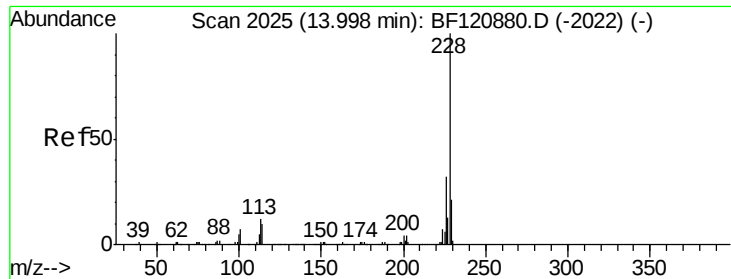
mohammad
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#81
 Benzo(a)anthracene
 Concen: 16.432 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	34.0
229	20.8	16.1	24.1





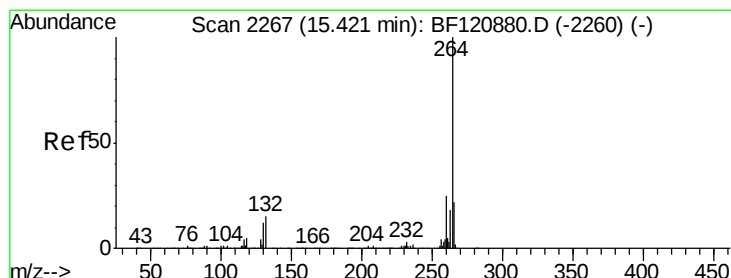
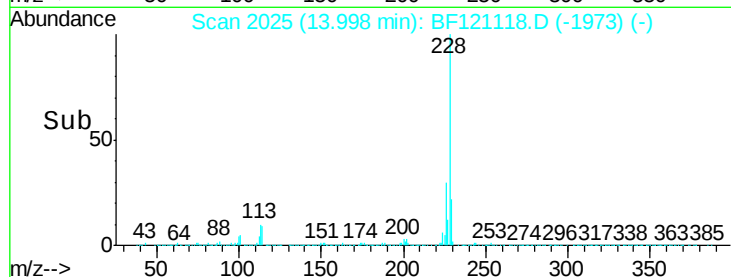
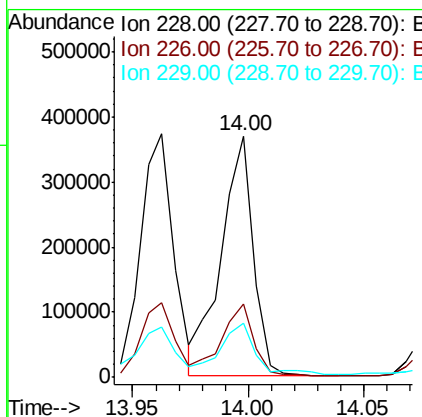
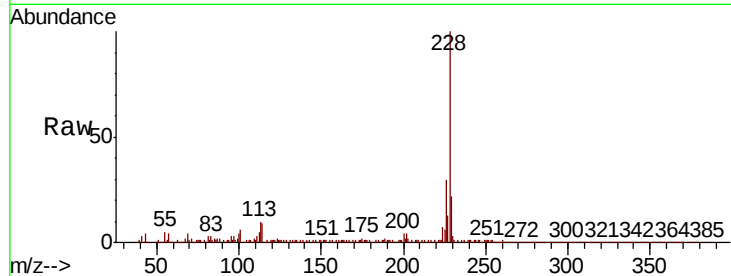
#83
Chrysene
Concen: 15.066 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampled :
17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		356585		
226	30.3		25.4	38.0	
229	22.2		16.2	24.4	

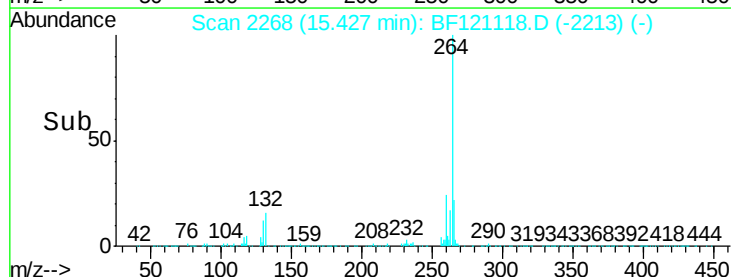
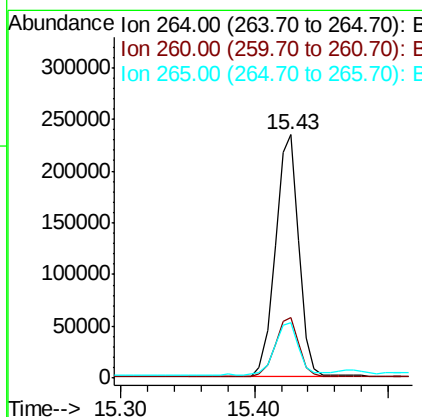
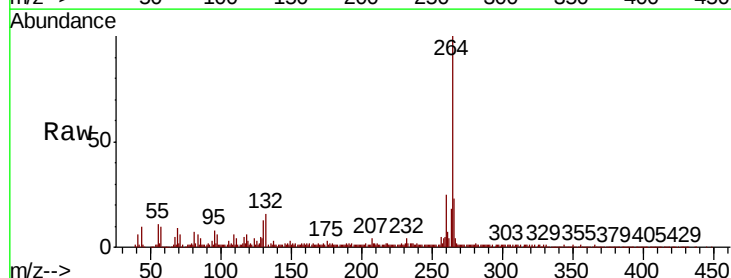
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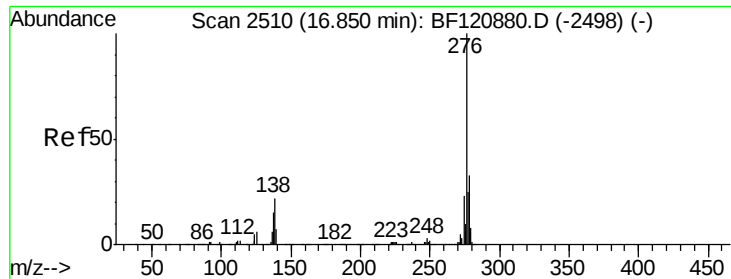
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		287826		
260	24.7		19.9	29.9	
265	22.7		17.8	26.8	





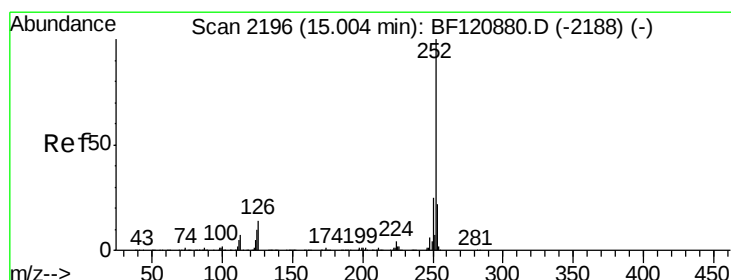
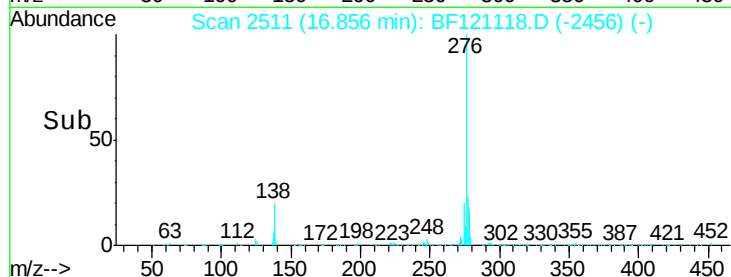
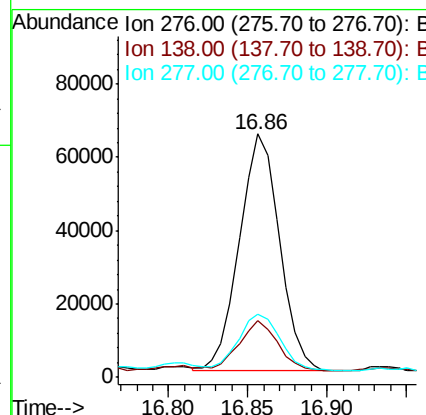
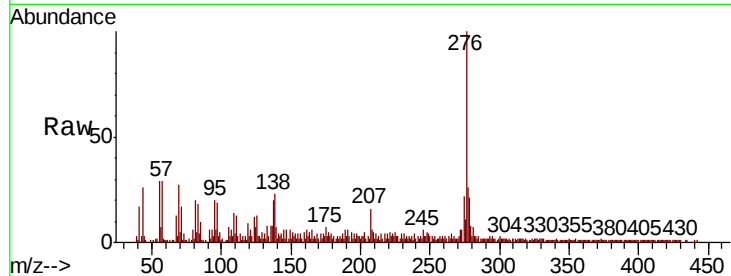
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.676 ng
 RT: 16.86 min Scan# 2511
 Delta R.T. 0.02 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Instrument :
 BNA_F
 ClientSampleId :
 17

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.3	28.9
277	24.9	20.1	30.1

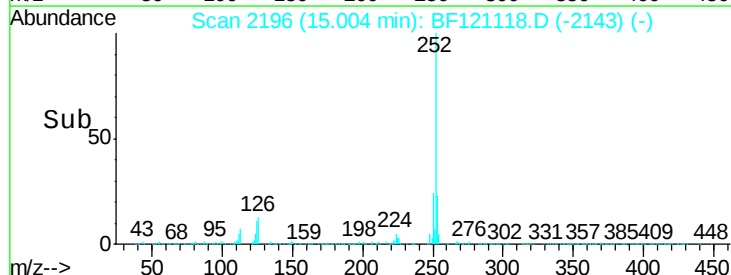
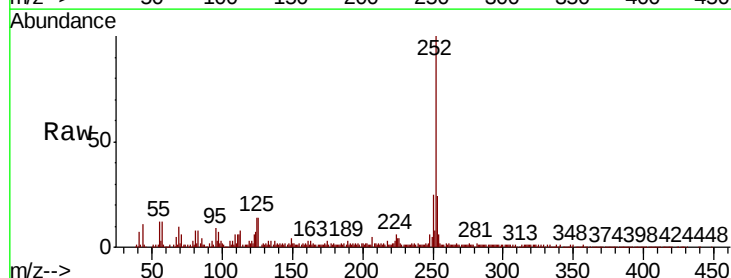
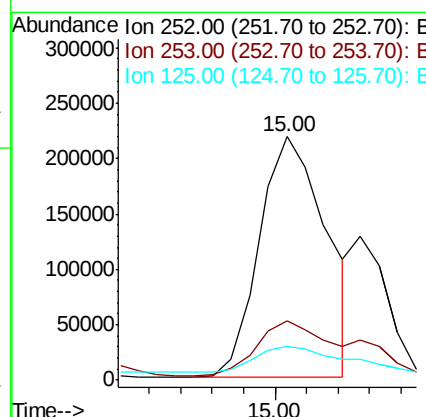
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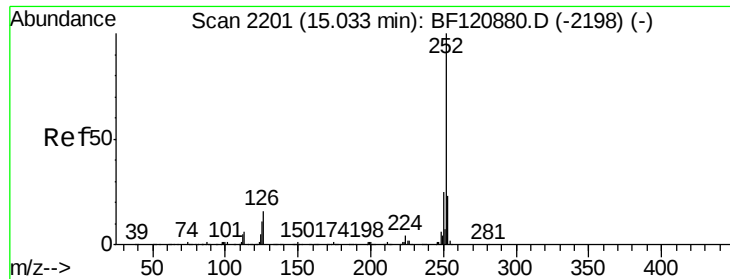
mohammad
 7/30/2020 3:34:10 PM



#88
 Benzo(b)fluoranthene
 Concen: 18.625 ng m
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.8	8.1	12.1





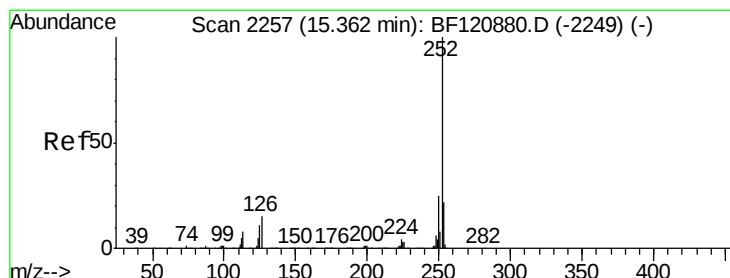
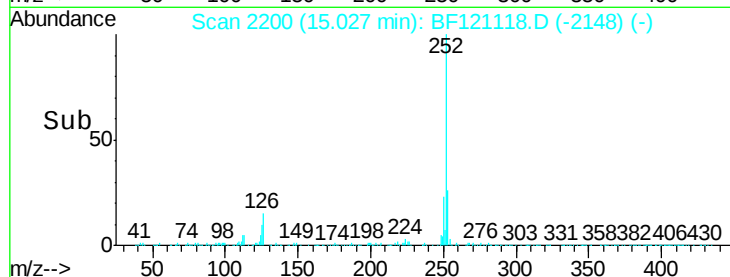
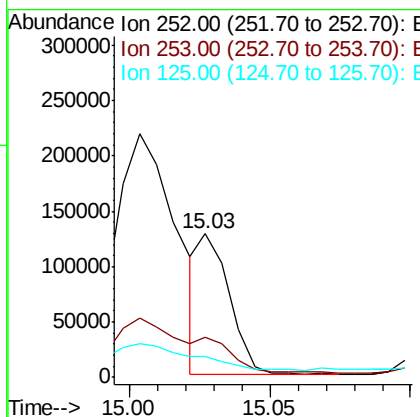
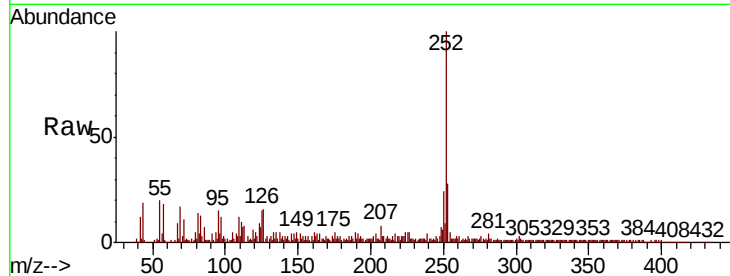
#89
Benzo(k)fluoranthene
Concen: 6.185 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Instrument :
BNA_F
ClientSampled :
17

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.1	27.1#
125	15.0	8.0	12.0#

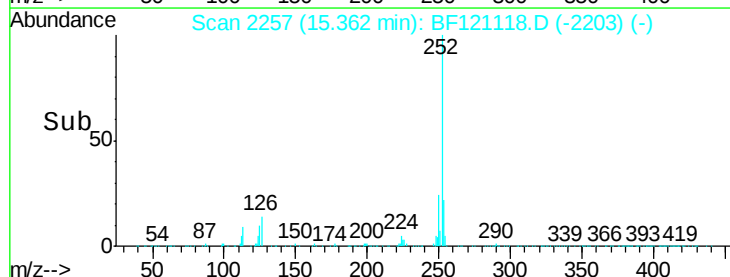
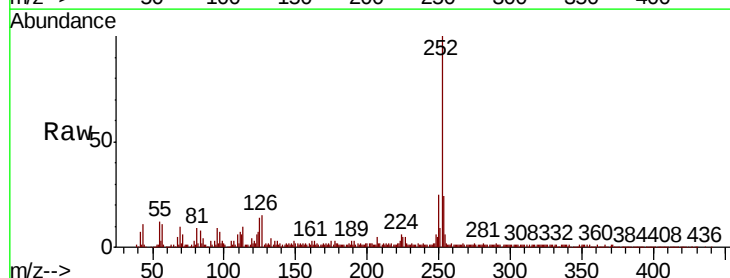
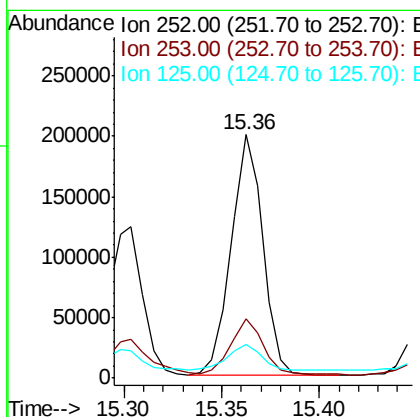
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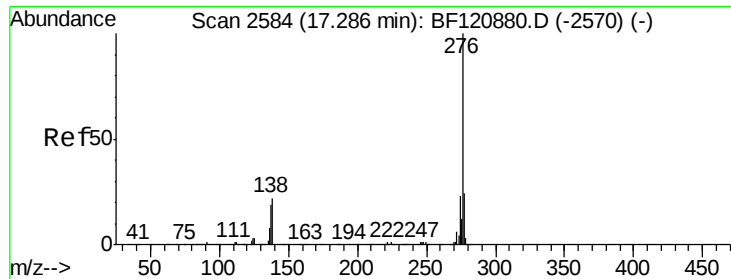
mohammad
7/30/2020 3:34:10 PM



#90
Benzo(a)pyrene
Concen: 14.101 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.02 min
Lab File: BF121118.D
Acq: 29 Jul 2020 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	13.8	9.5	14.3





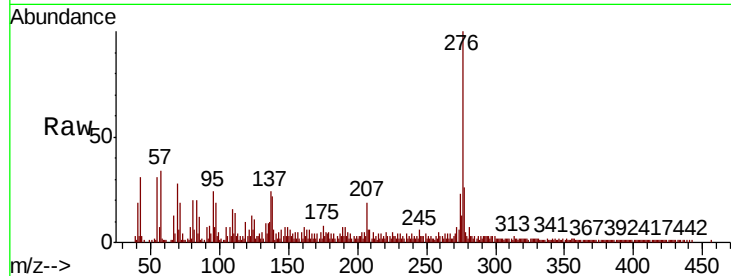
#92
 Benzo(a,h,i)perylene
 Concen: 6.753 ng
 RT: 17.29 min Scan# 2585
 Delta R.T. 0.03 min
 Lab File: BF121118.D
 Acq: 29 Jul 2020 23:33

Instrument :
 BNA_F
 ClientSampleId :
 17

Tot Ion:	276	Resp:	108877
Ion Ratio		Lower	Upper
276	100		
277	25.7	19.4	29.0
138	21.9	17.2	25.8

Manual Integrations
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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

