

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120846.D
 Acq On : 10 Jul 2020 22:32
 Operator : JU/CG
 Sample : L3256-04 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 24465

Manual Integrations
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Quant Time: Jul 11 06:52:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	197620	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	728456	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	344116	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	543865	20.00	ng	0.00
76) Chrysene-d12	14.06	240	130838	20.00	ng	0.05
86) Perylene-d12	15.54	264	313143	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	481801	37.63	ng	0.00
7) Phenol-d6	6.46	99	604342	36.97	ng	-0.01
23) Nitrobenzene-d5	7.40	82	370619	29.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	131278	37.97	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	702236	30.87	ng	0.00
79) Terphenyl-d14	12.99	244	202999	30.38	ng	0.02
Target Compounds						
31) Naphthalene	8.15	128	94395	2.425	ng	98
49) Acenaphthylene	9.75	152	128174	3.676	ng	98
50) Dimethylphthalate	9.60	163	124808	4.972	ng	98
52) Acenaphthene	9.92	154	73500	3.398	ng	99
55) Dibenzofuran	10.09	168	79051	2.536	ng	98
58) Fluorene	10.43	166	102375	4.412	ng	100
71) Phenanthrene	11.40	178	1086349	36.814	ng	100
72) Anthracene	11.45	178	336275	11.277	ng	99
73) Carbazole	11.60	167	95655	3.338	ng	# 93
75) Fluoranthene	12.61	202	495507	15.763	ng	95
78) Pyrene	12.84	202	423200	40.500	ng	97
81) Benzo(a)anthracene	14.06	228	227643	27.143	ng	95
83) Chrysene	14.09	228	211185	24.686	ng	96
84) Bis(2-ethylhexyl)phthalate	14.04	149	62027	10.485	ng	# 75
87) Indeno(1,2,3-cd)pyrene	16.99	276	562075	27.984	ng	95
88) Benzo(b)fluoranthene	15.12	252	510622m	24.803	ng	
89) Benzo(k)fluoranthene	15.14	252	144863m	7.232	ng	
90) Benzo(a)pyrene	15.48	252	489044	26.630	ng	# 82
91) Dibenzo(a,h)anthracene	17.00	278	136372	8.146	ng	# 82
92) Benzo(a,h,i)perylene	17.43	276	542728	35.473	ng	96

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

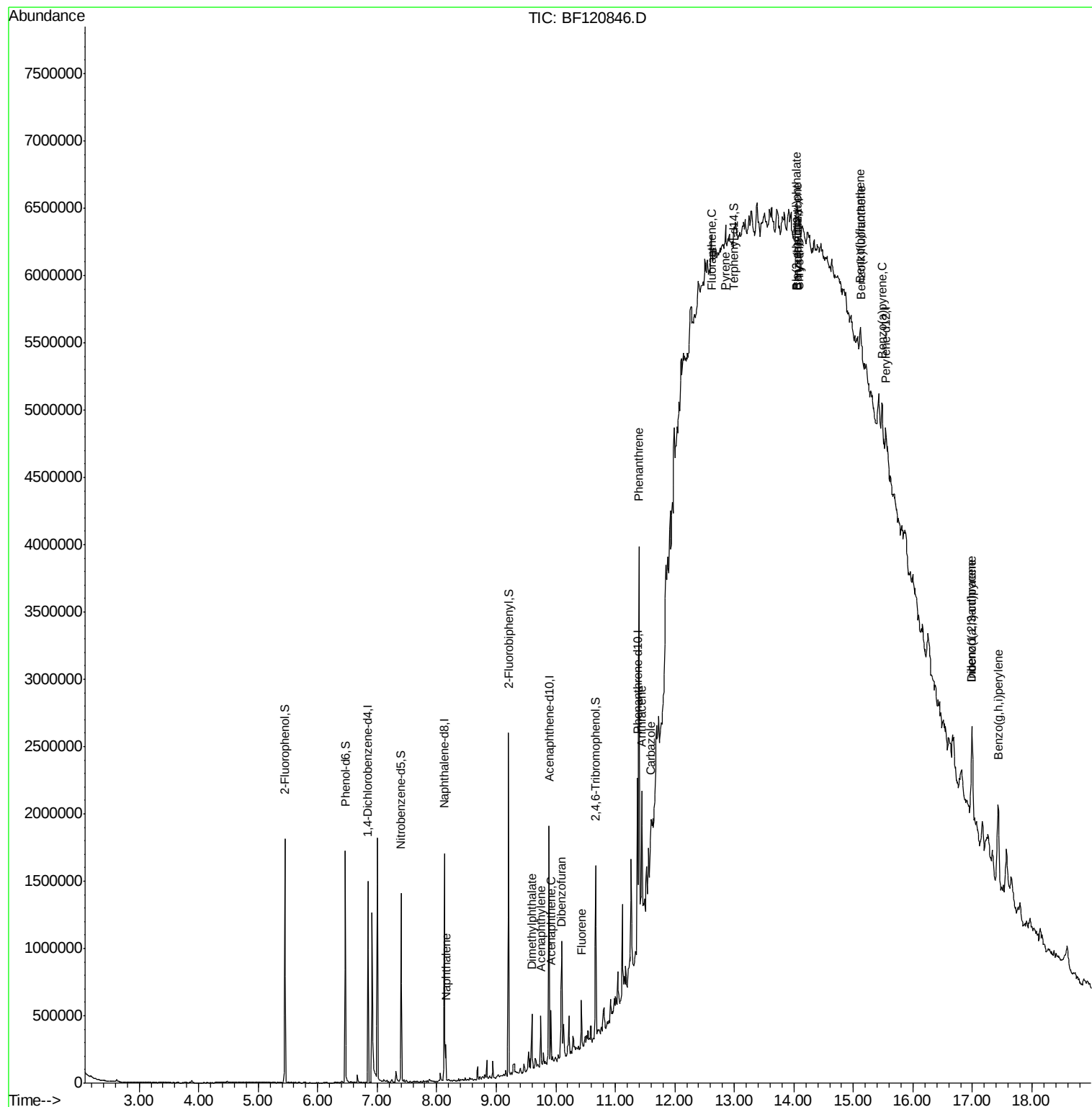
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120846.D
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Operator : JU/CG
Sample : L3256-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

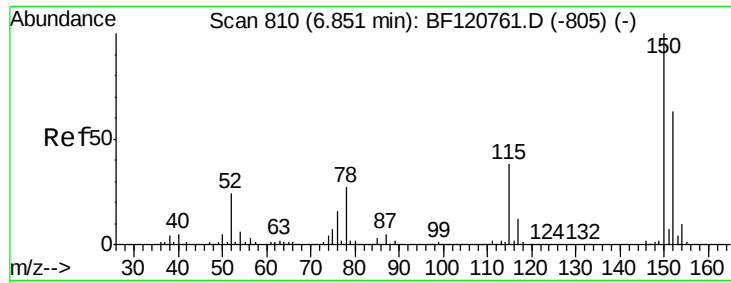
Instrument :
BNA_F
ClientSampled :
24465

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Quant Time: Jul 11 06:52:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration





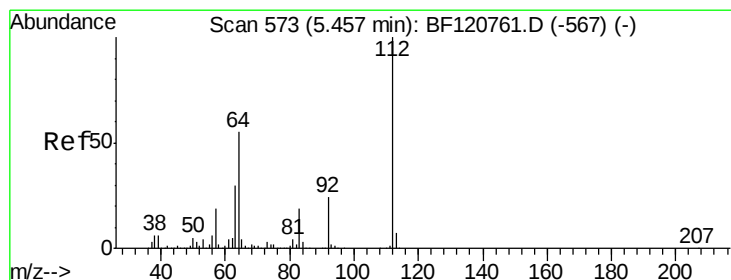
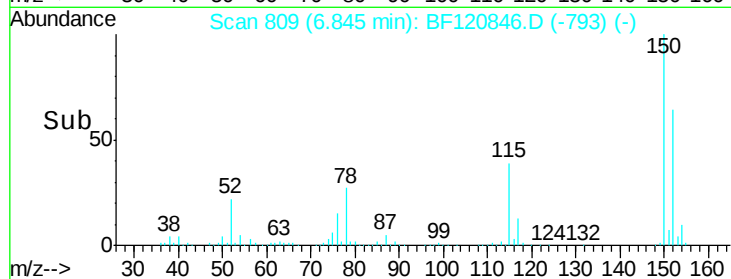
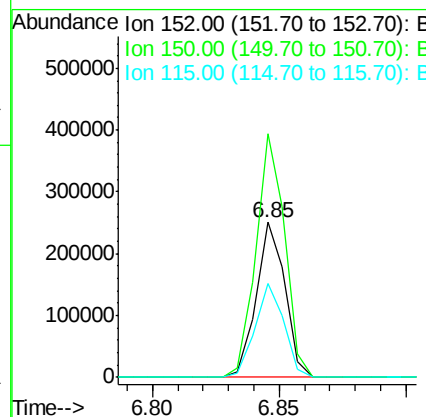
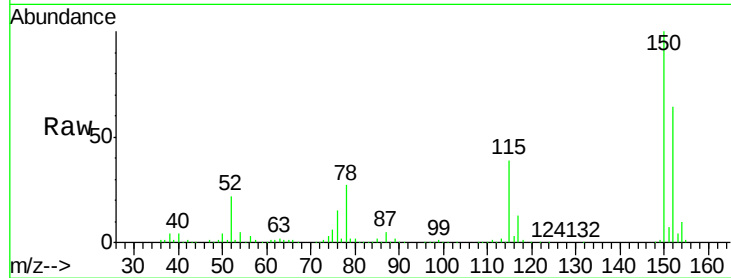
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120846.D
 Acq: 10 Jul 2020 22:32

Instrument :
 BNA_F
 ClientSampled :
 24465

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.1	189.1
115	60.7	48.5	72.7

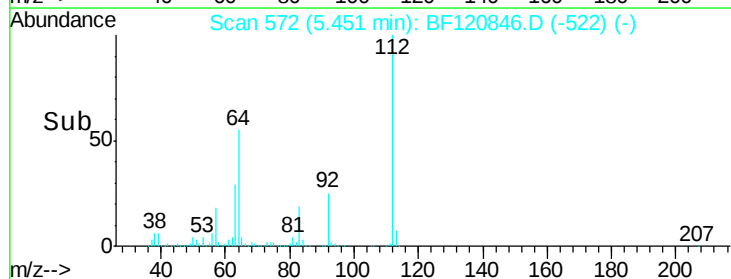
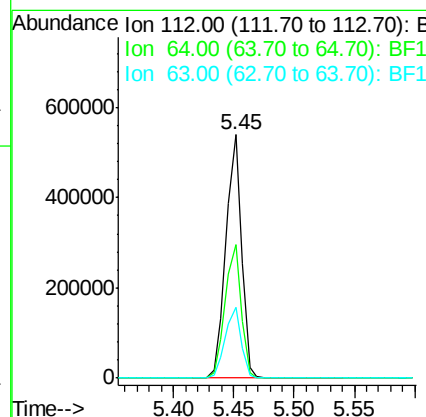
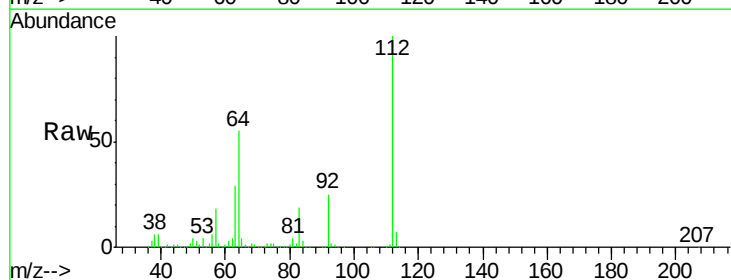
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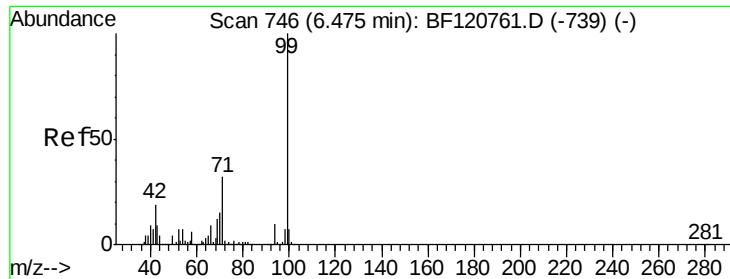
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#5
 2-Fluorophenol
 Concen: 37.634 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF120846.D
 Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.8	65.6
63	29.0	23.6	35.4





#7

Phenol-d6

Concen: 36.965 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

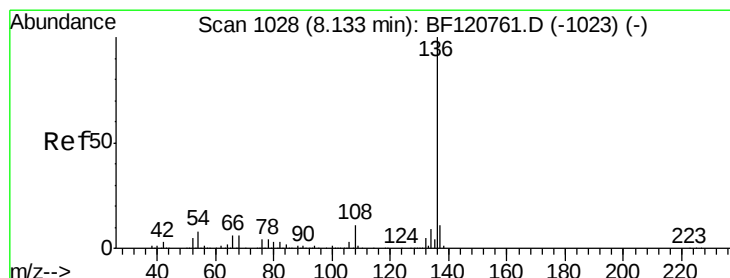
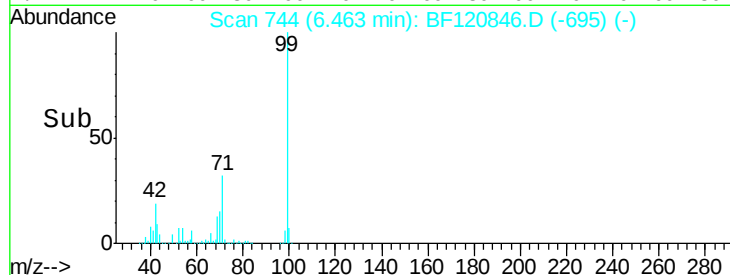
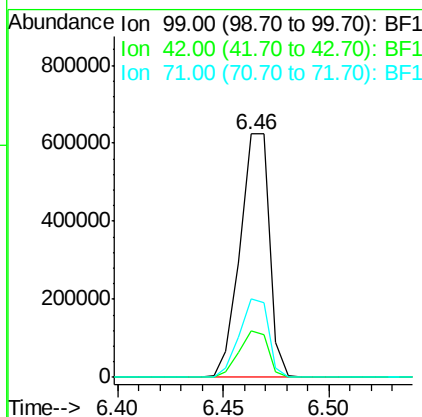
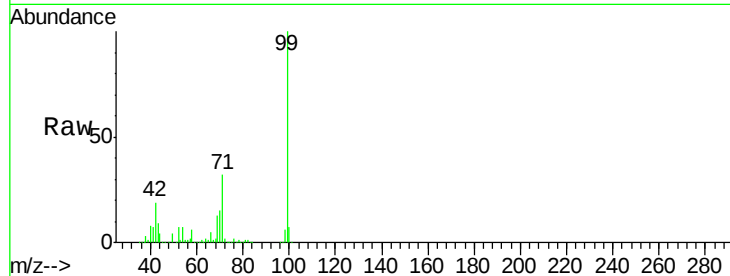
ClientSampleId :

24465

Tot Ion:	99	Resp:	604342
Ion Ratio	Lower	Upper	
99	100		
42	18.9	15.4	23.0
71	32.4	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.000 ng

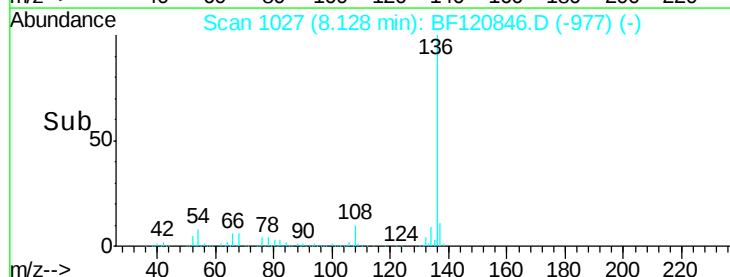
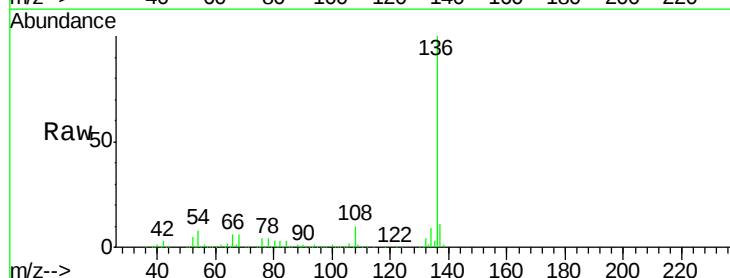
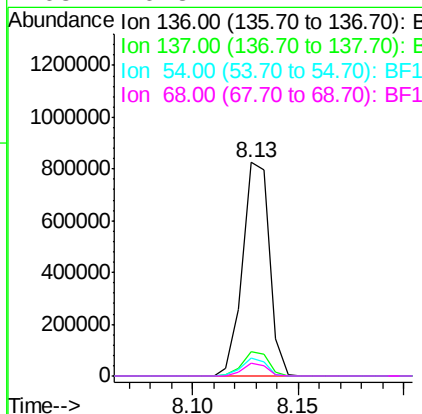
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Tgt Ion:	136	Resp:	728456
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	8.3	6.2	9.4
68	6.3	4.7	7.1





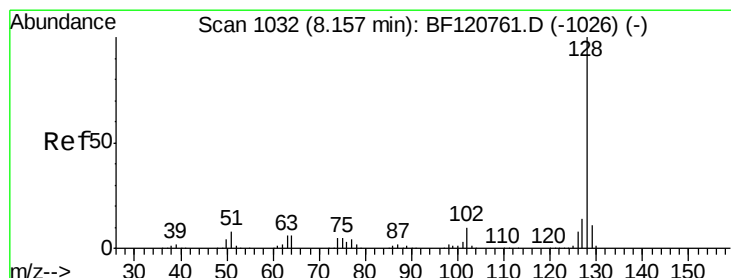
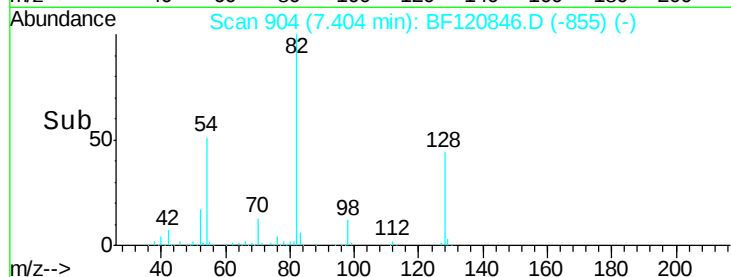
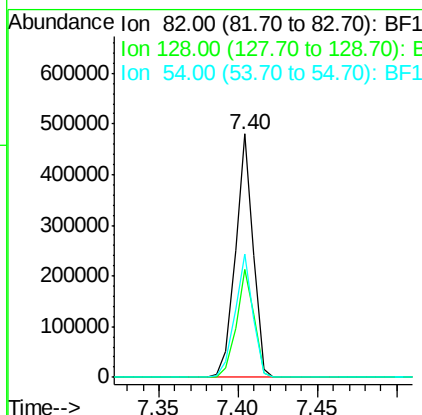
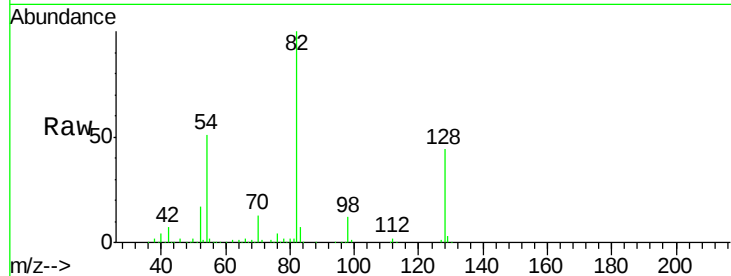
#23
Nitrobenzene-d5
Concen: 29.477 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampleId :
24465

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	50.9	40.9	61.3

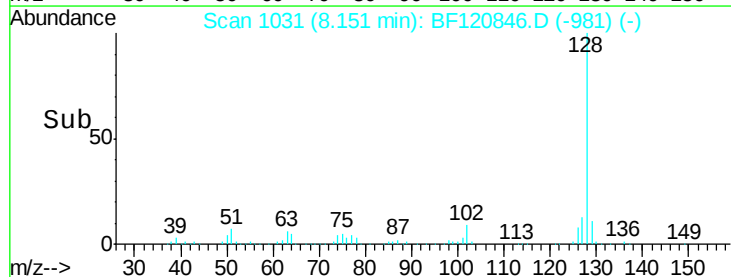
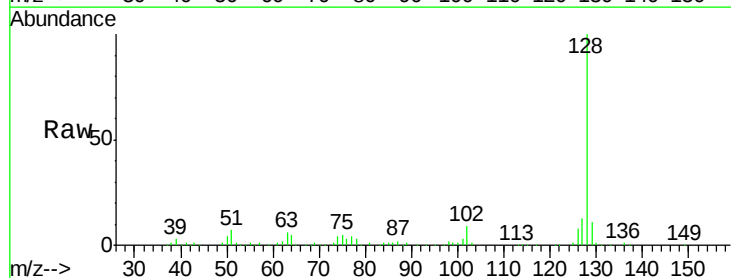
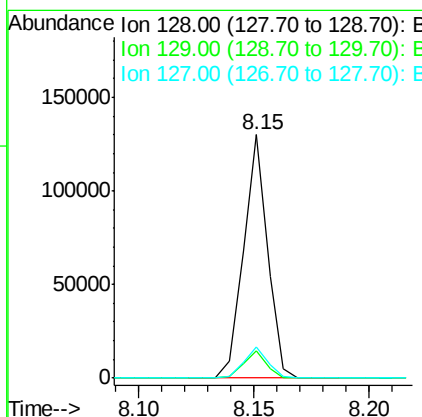
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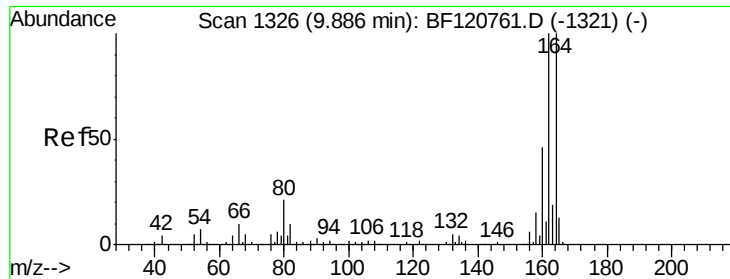
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#31
Naphthalene
Concen: 2.425 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	12.6	11.1	16.7





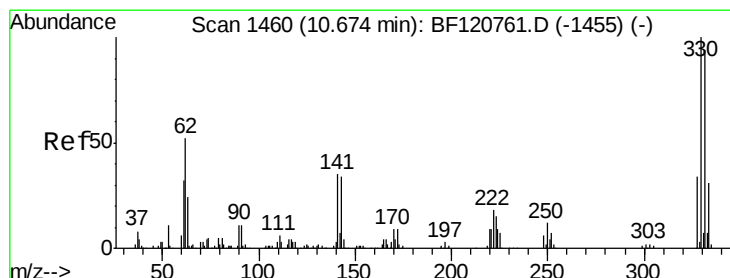
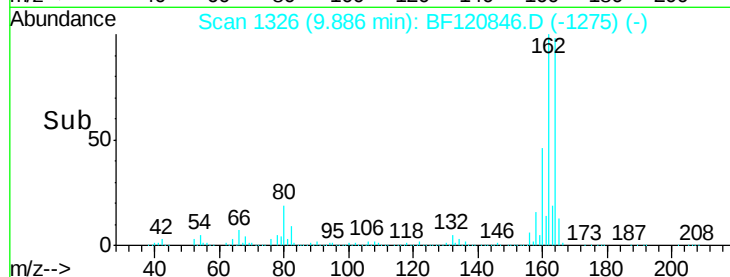
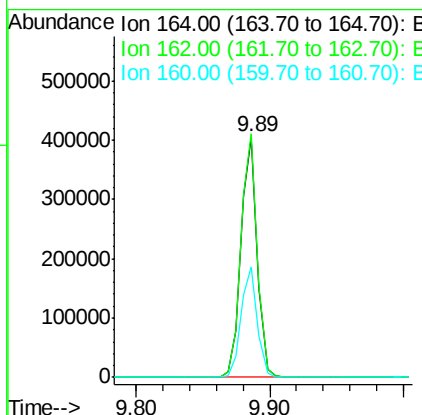
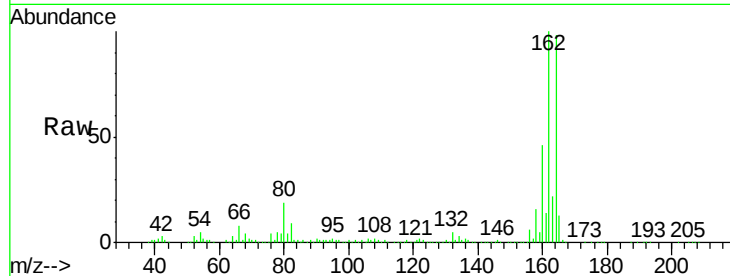
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampleId :
24465

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	80.2	120.2	
160	46.2	36.9	55.3	

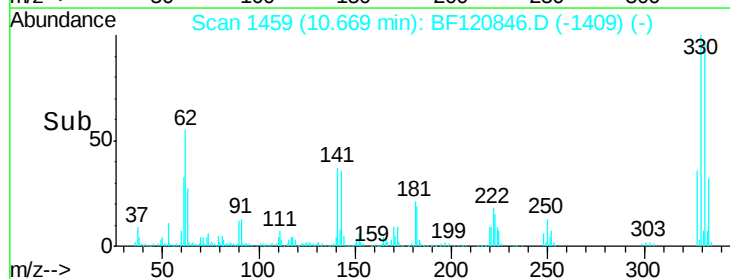
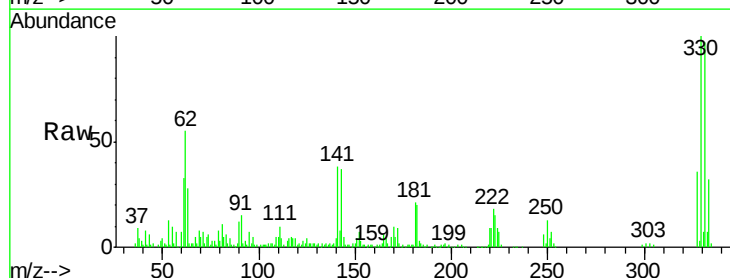
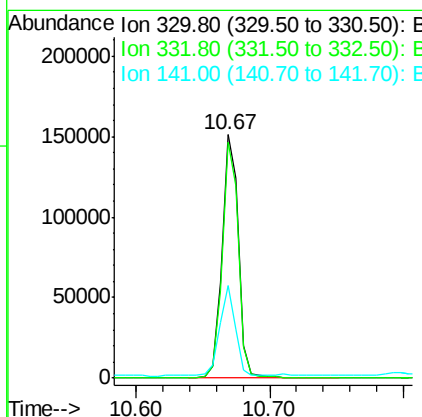
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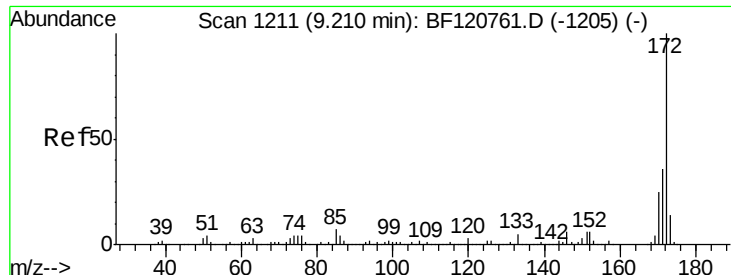
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#42
2,4,6-Tribromophenol
Concen: 37.973 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	75.8	113.6	
141	36.4	29.7	44.5	





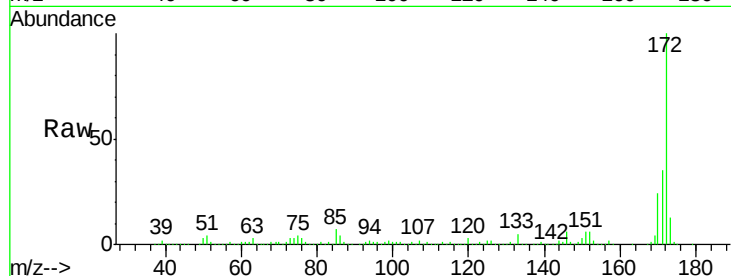
#45
2-Fluorobiphenyl
Concen: 30.875 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampleId :
24465

Tot Ion	Ratio	Resp	Lower	Upper
172	100	702236		
171	35.5		29.1	43.7
170	24.3		19.8	29.6

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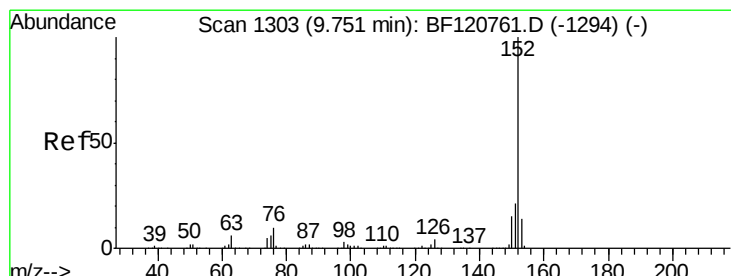
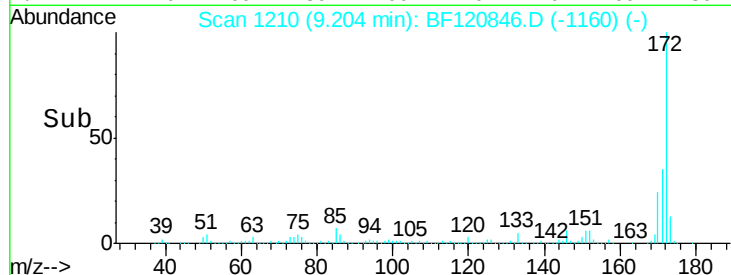
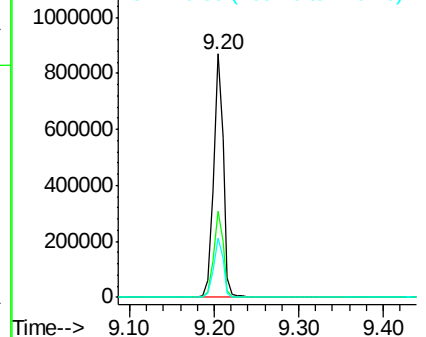


Abundance

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: 3.676 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

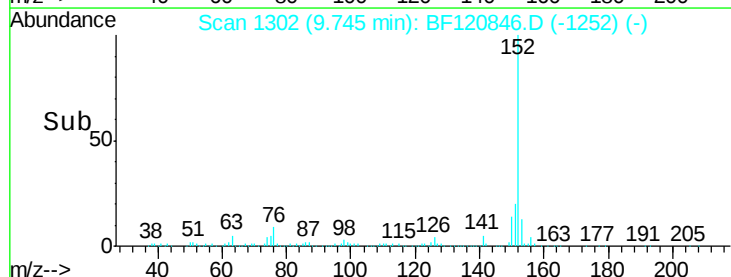
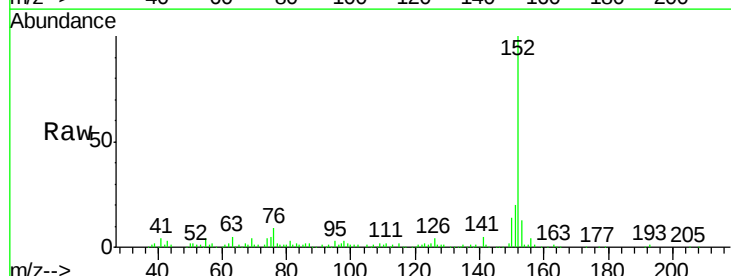
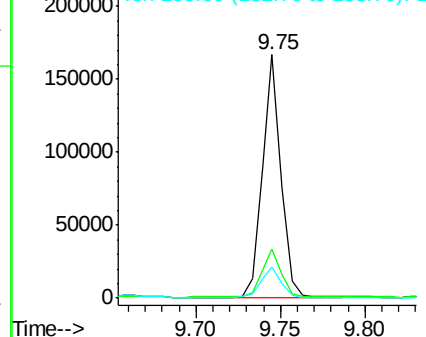
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128174		
151	20.4		16.9	25.3
153	12.9		10.8	16.2

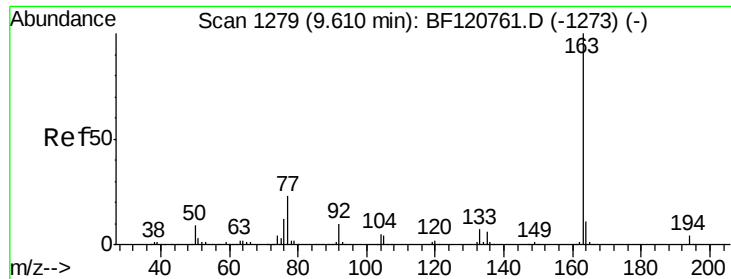
Abundance

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: 4.972 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

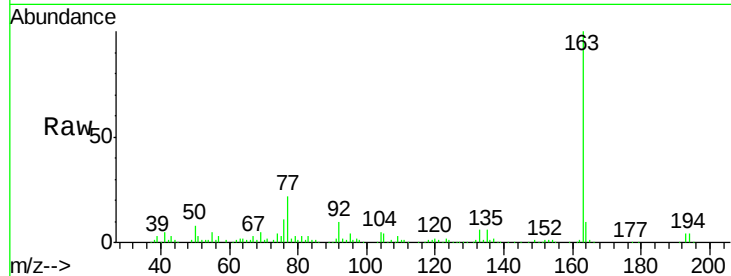
ClientSampleId :

24465

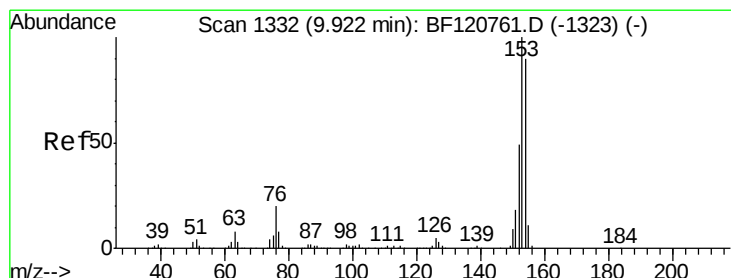
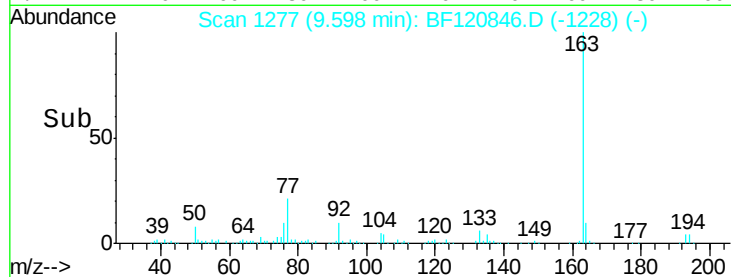
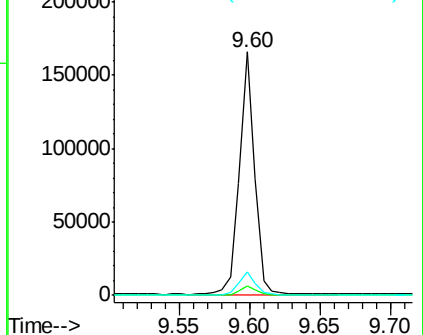
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.9	4.3	
164	9.7	8.5	12.7	

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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: 3.398 ng

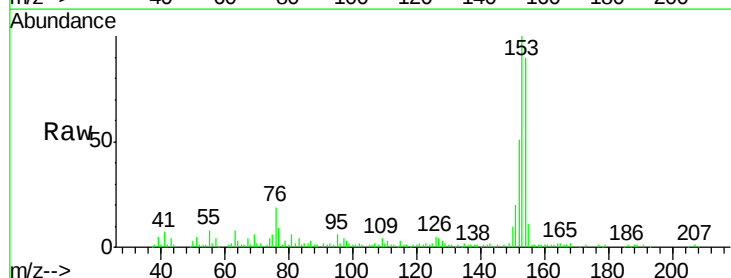
RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

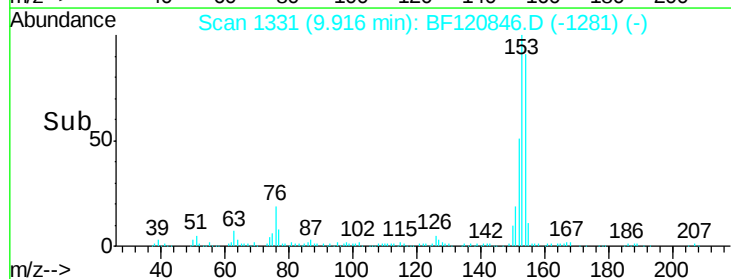
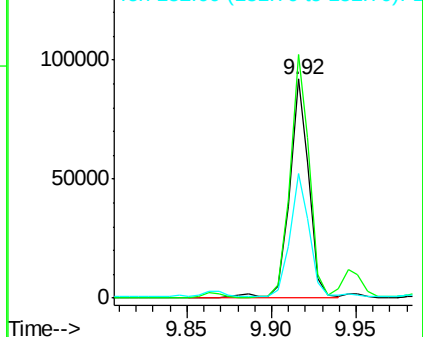
Lab File: BF120846.D

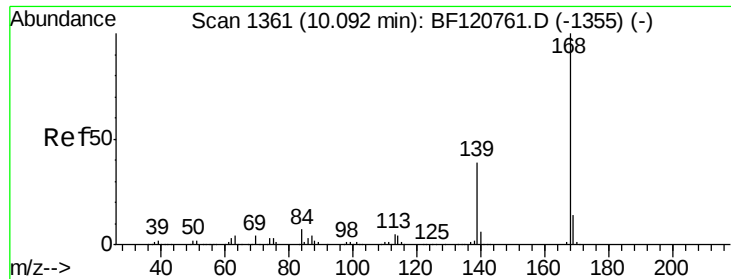
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.1	88.6	132.8	
152	56.8	43.6	65.4	



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





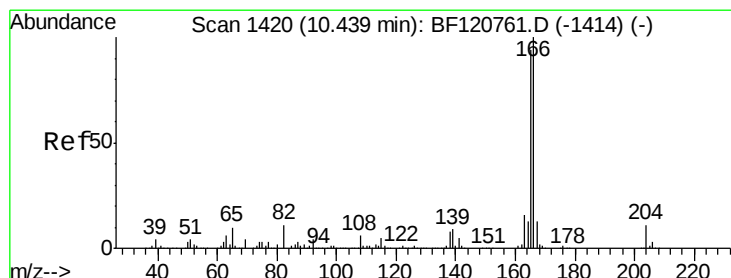
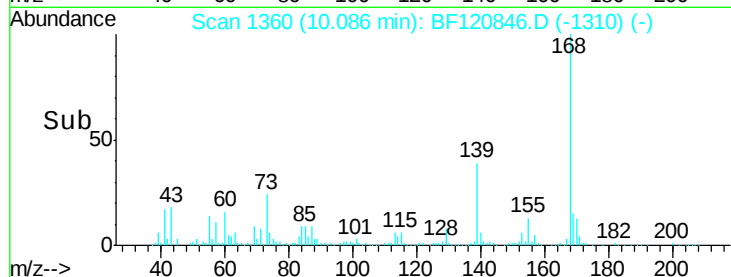
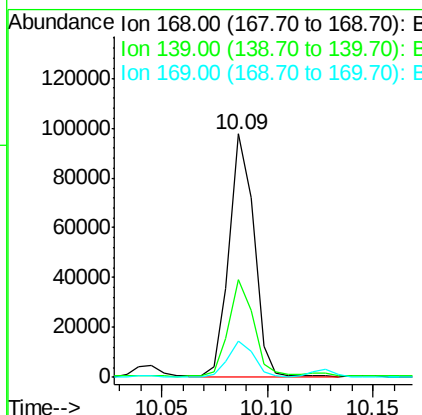
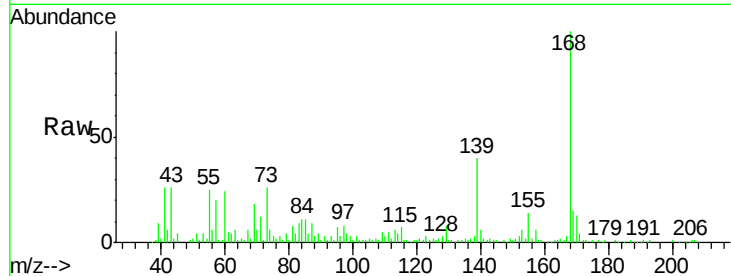
#55
Dibenzofuran
Concen: 2.536 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampleId :
24465

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.3	46.9
169	14.9	11.2	16.8

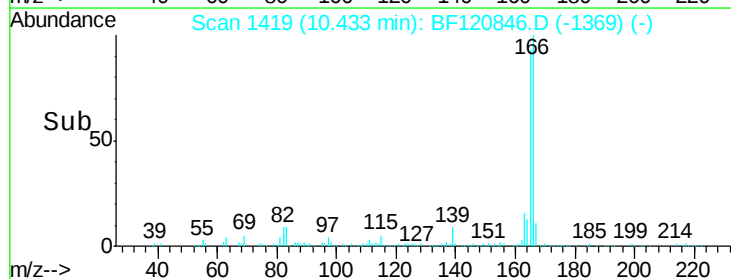
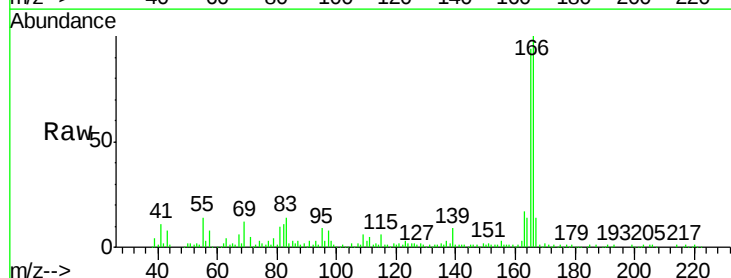
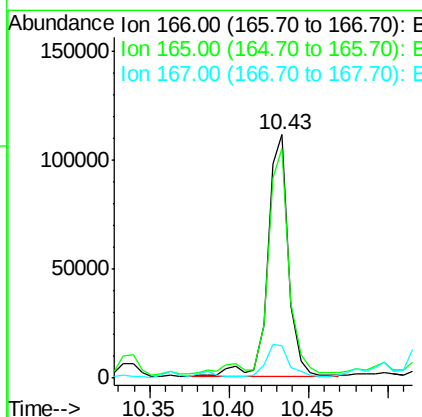
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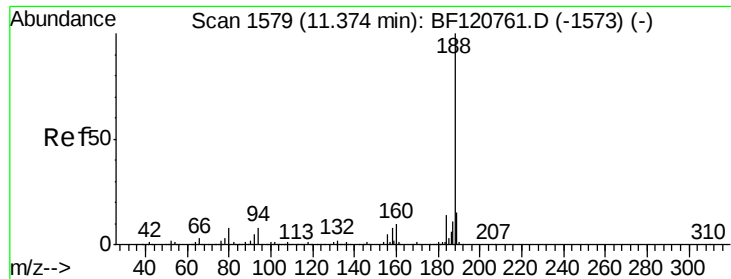
mohammad
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#58
Fluorene
Concen: 4.412 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.2	75.5	113.3
167	13.5	10.6	16.0





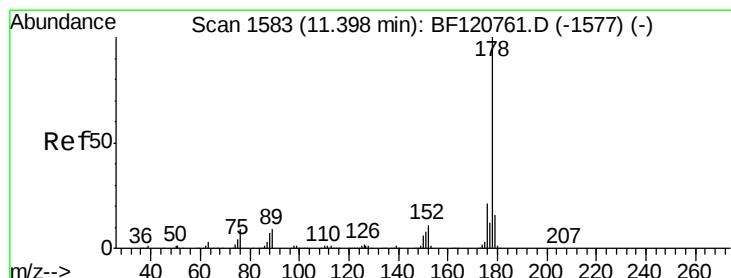
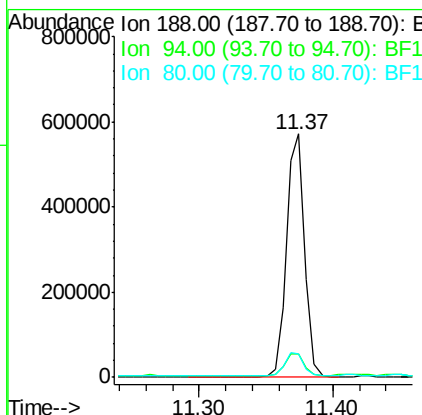
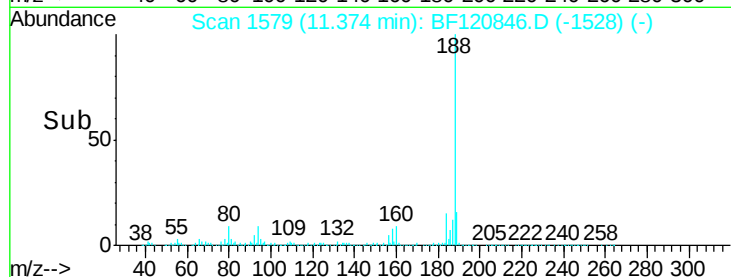
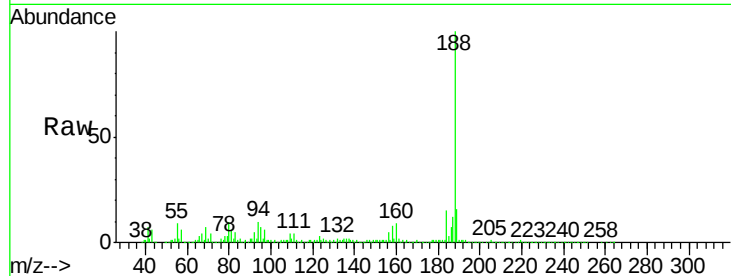
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampled :
24465

Tot Ion	Ratio	Resp	Lower	Upper
188	100	543865		
94	9.7	6.6	9.8	
80	9.7	6.6	10.0	

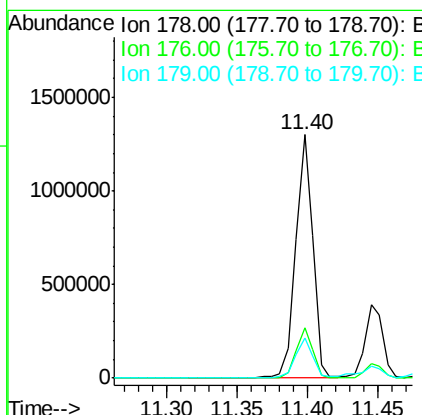
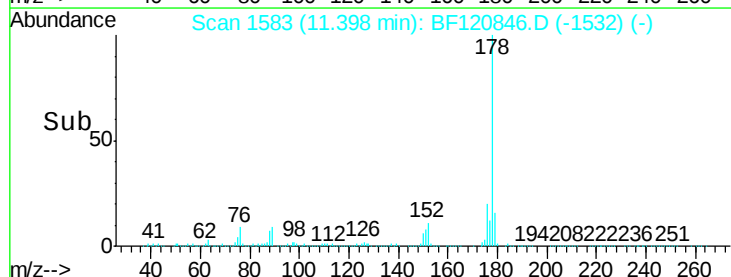
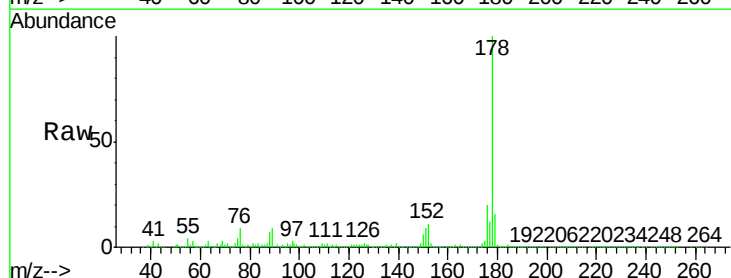
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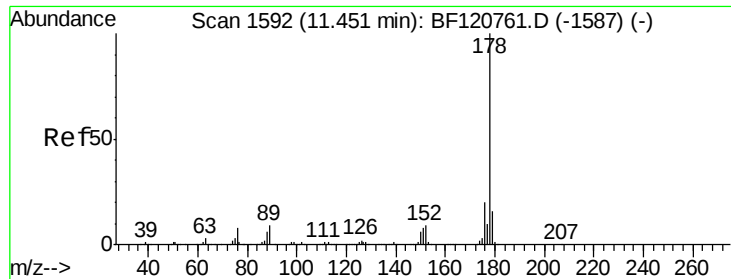
mohammad
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#71
Phenanthrene
Concen: 36.814 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1086349		
176	20.5	16.4	24.6	
179	16.2	12.9	19.3	





#72

Anthracene

Concen: 11.277 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

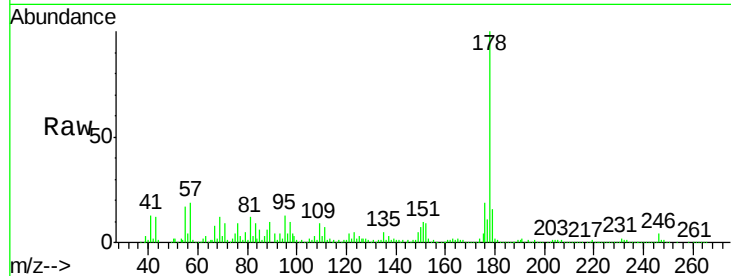
ClientSampleId :

24465

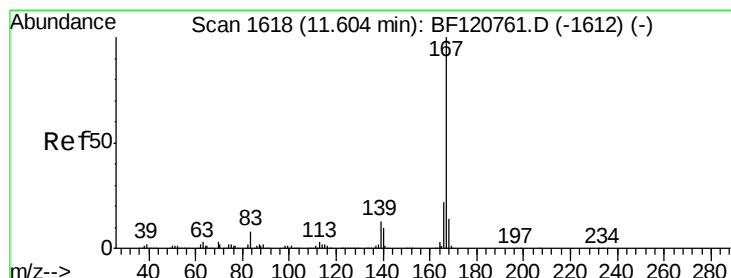
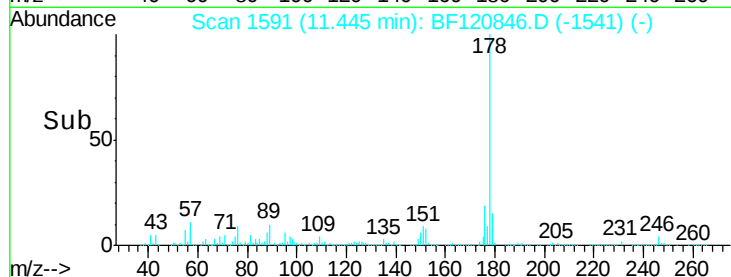
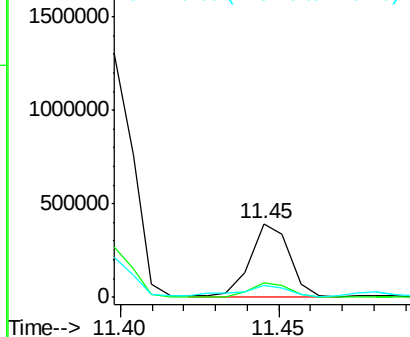
Tot Ion:	178	Resp:	336275
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.2
179	15.9	12.7	19.1

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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: 3.338 ng

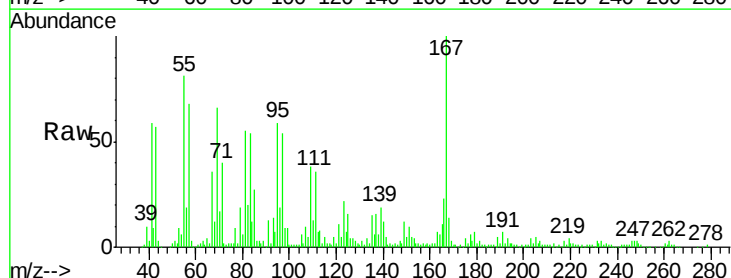
RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

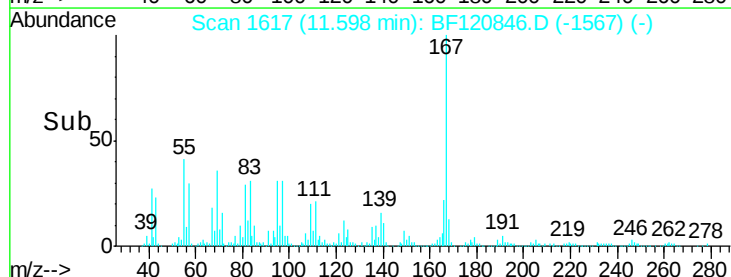
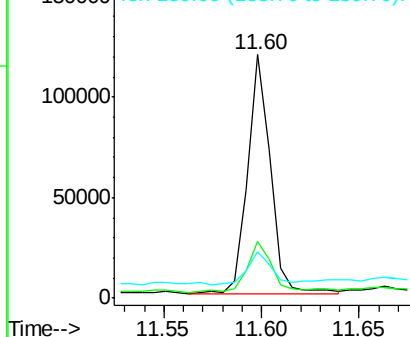
Lab File: BF120846.D

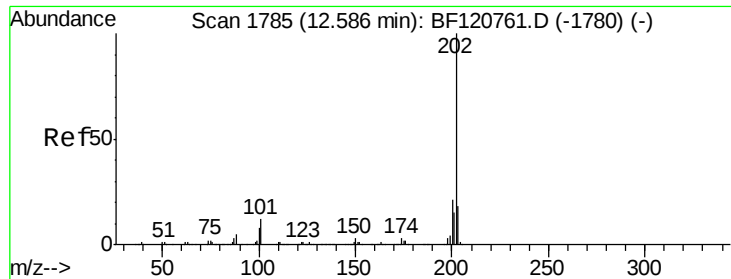
Acq: 10 Jul 2020 22:32

Tgt Ion:	167	Resp:	95655
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.8	26.8
139	19.1	10.7	16.1#



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: 15.763 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.02 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

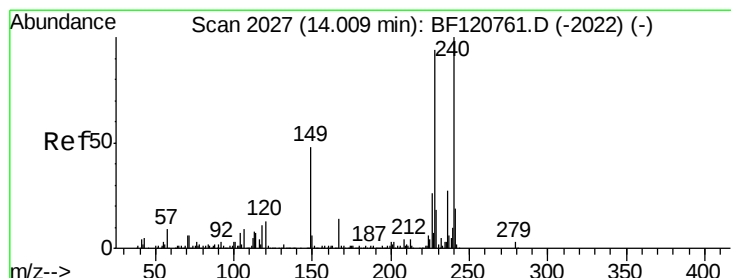
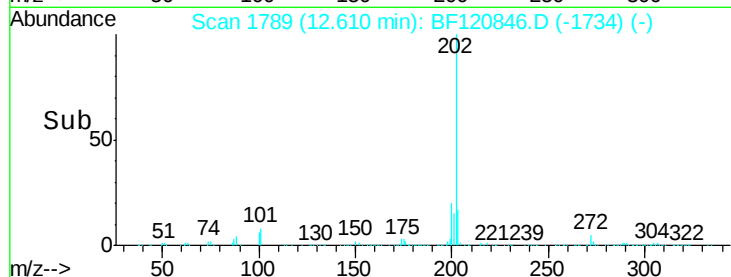
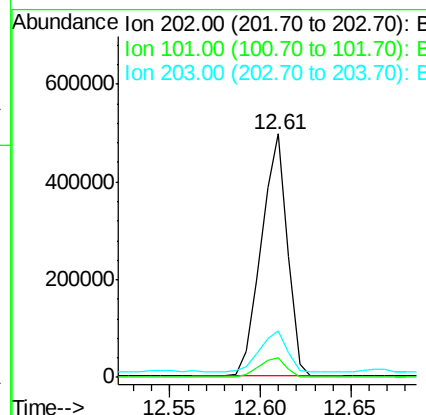
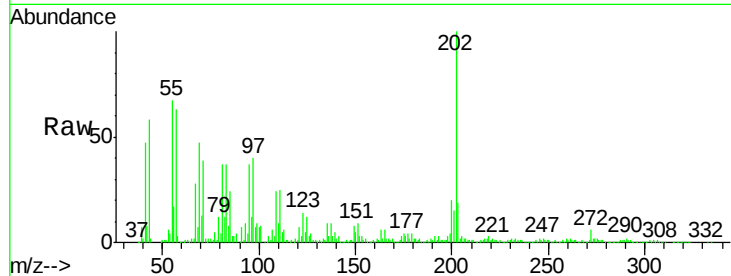
ClientSampleId :

24465

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.9	0.0	31.6
203	19.2	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

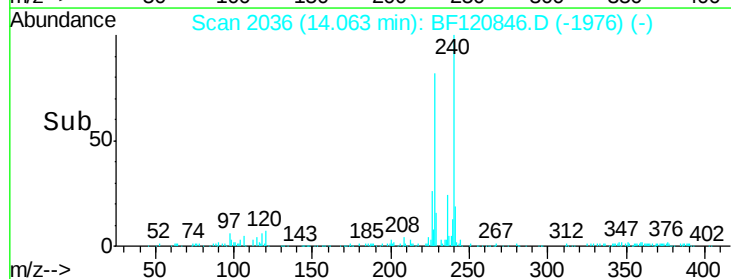
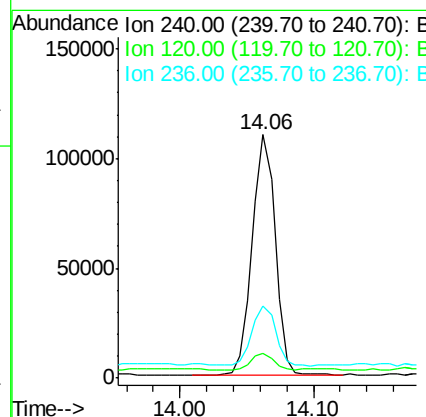
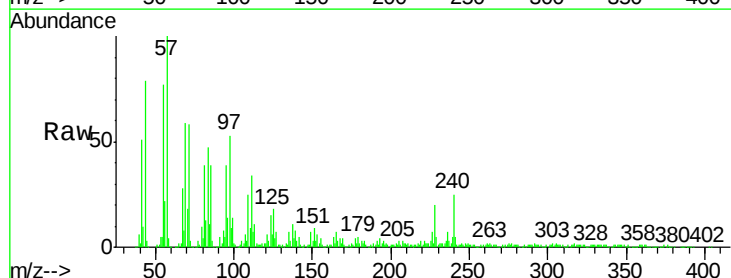
RT: 14.06 min Scan# 2036

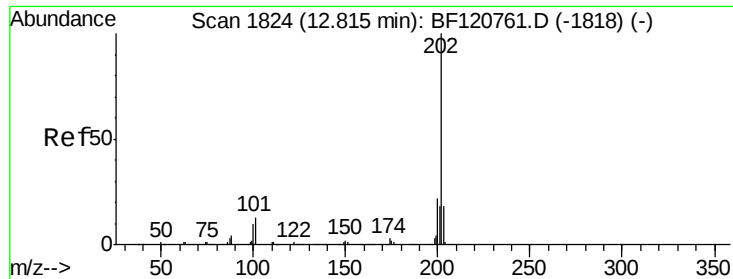
Delta R.T. 0.05 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	10.3	15.5#
236	29.8	21.4	32.2





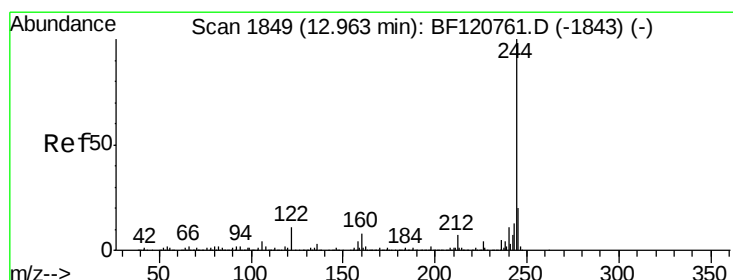
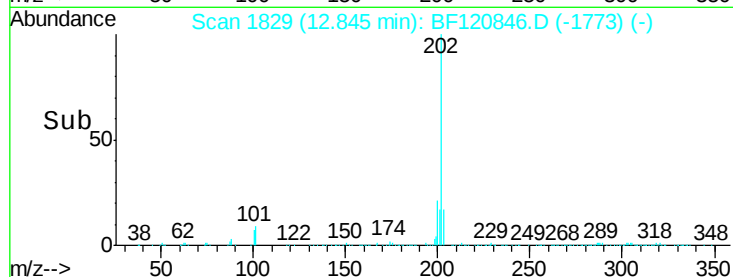
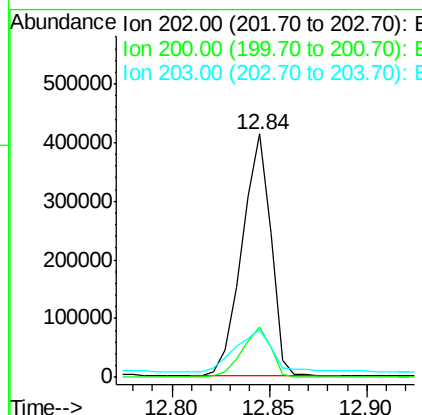
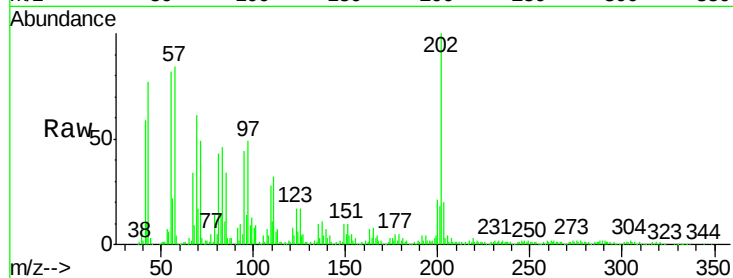
#78
Pvrene
Concen: 40.500 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.03 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampleId :
24465

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.3	25.9
203	19.7	14.6	22.0

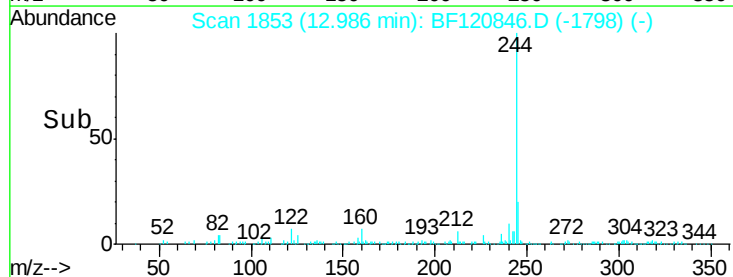
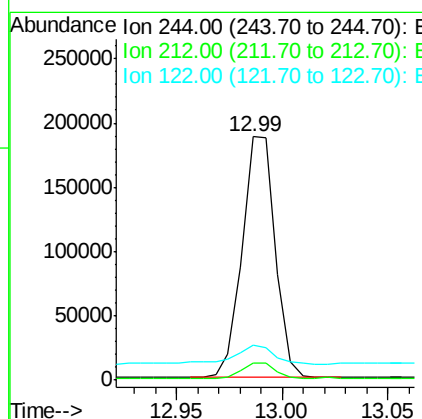
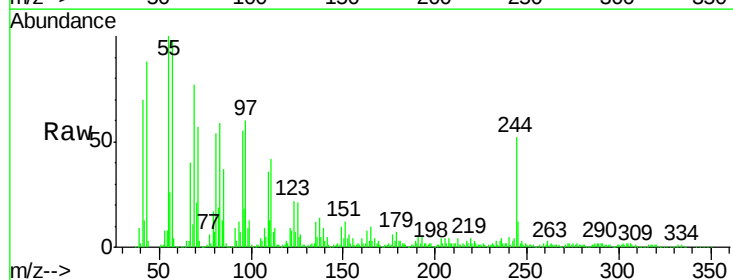
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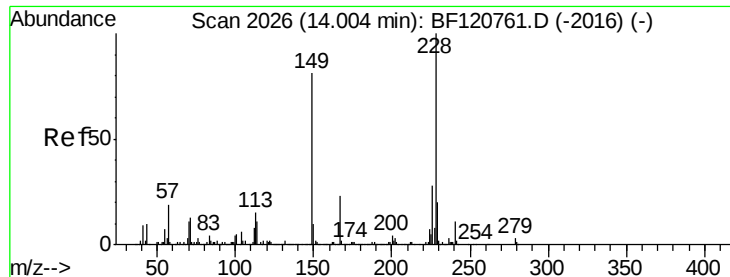
mohammad
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#79
Terphenyl-d14
Concen: 30.377 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.02 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.6	8.4
122	14.5	9.0	13.4#





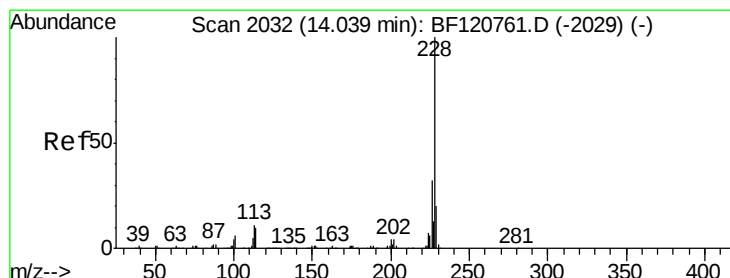
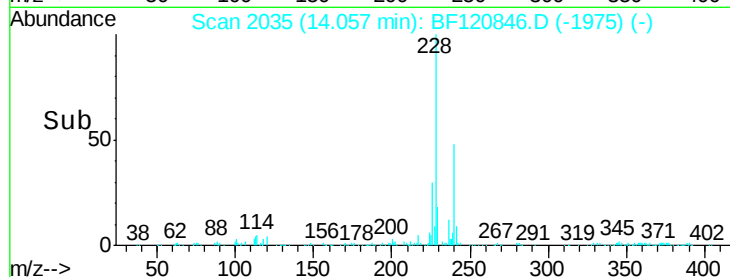
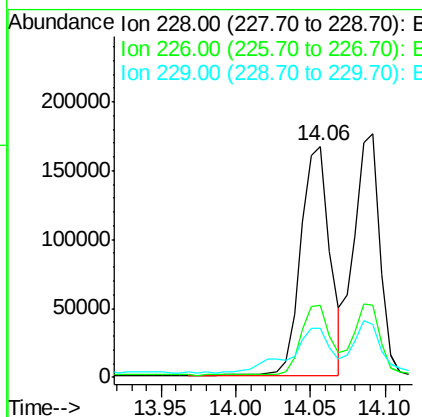
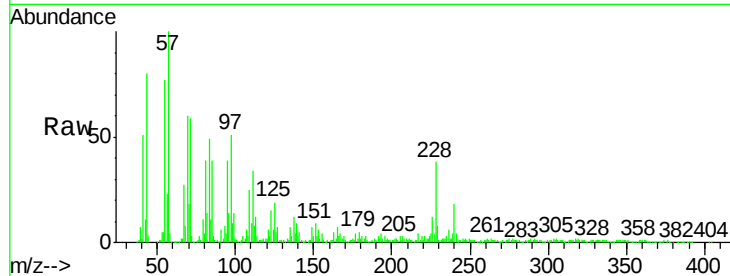
#81
Benzo(a)anthracene
Concen: 27.143 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.05 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Instrument :
BNA_F
ClientSampleId :
24465

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	21.3	15.8	23.6

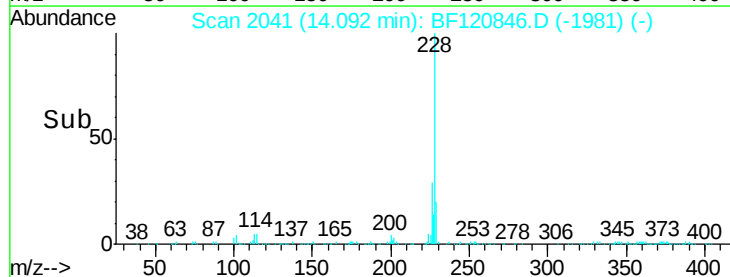
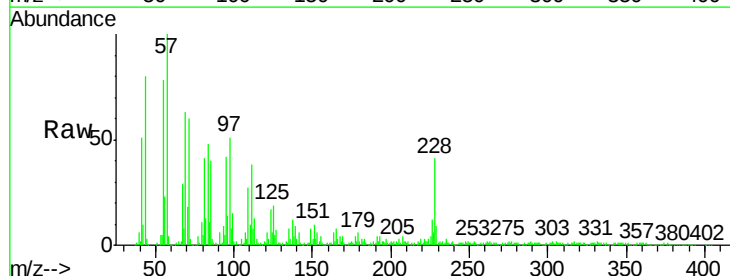
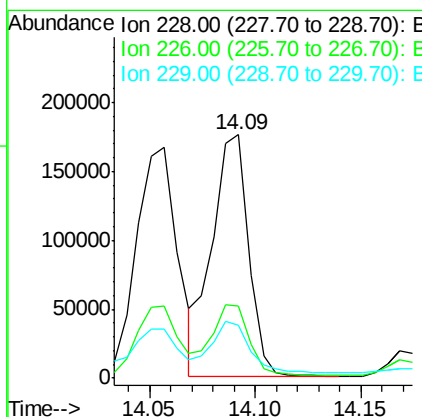
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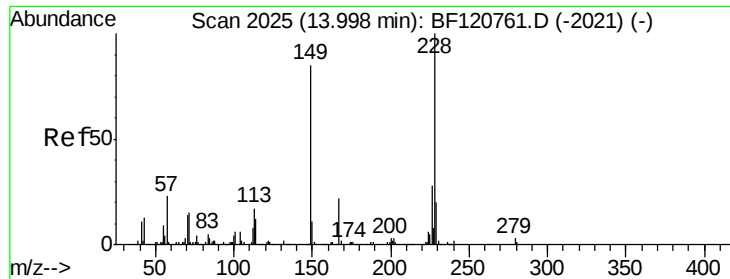
mohammad
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#83
Chrysene
Concen: 24.686 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.05 min
Lab File: BF120846.D
Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.7	38.5
229	22.0	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.485 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.04 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

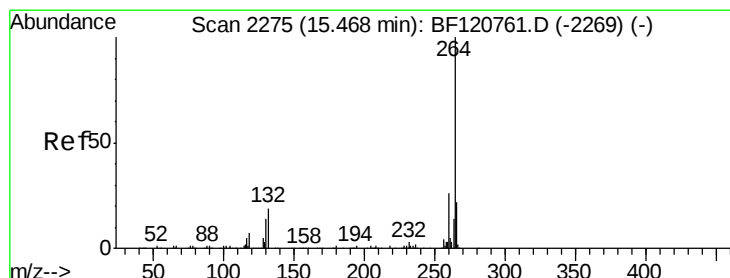
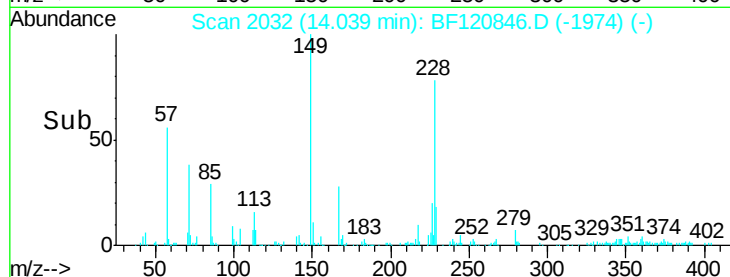
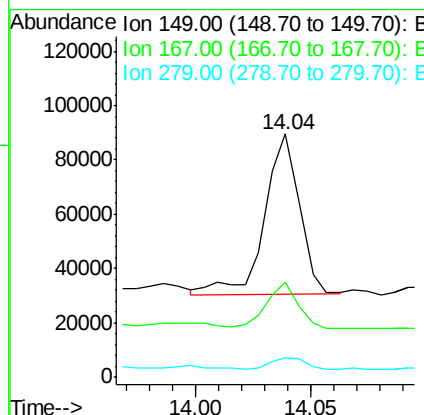
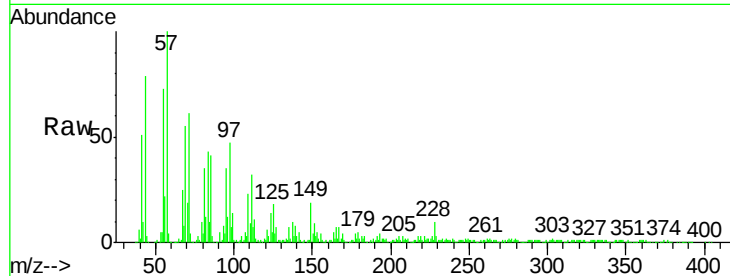
ClientSampleId :

24465

Tot Ion	Ratio	Lower	Upper
149	100		
167	39.3	20.9	31.3#
279	8.1	2.6	4.0#

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#86

Perylene-d12

Concen: 20.000 ng

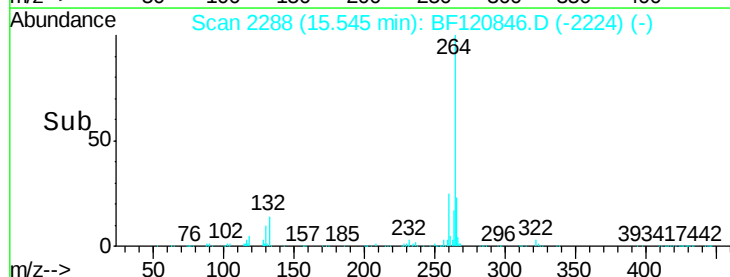
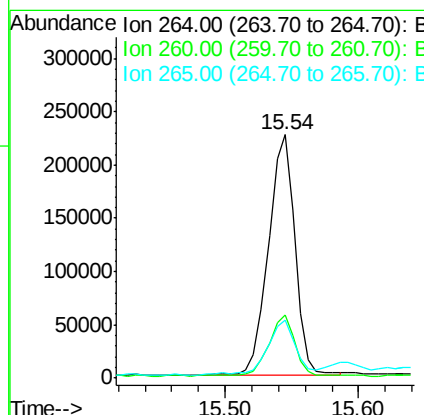
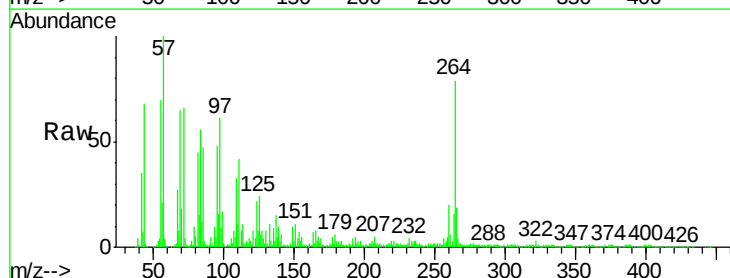
RT: 15.54 min Scan# 2288

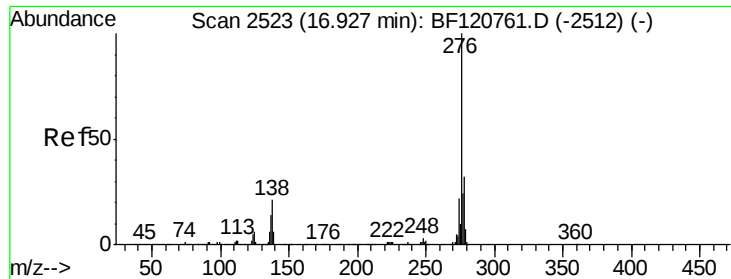
Delta R.T. 0.08 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.6	30.8
265	23.6	17.6	26.4





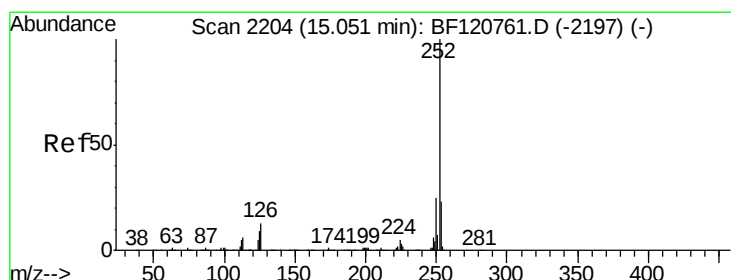
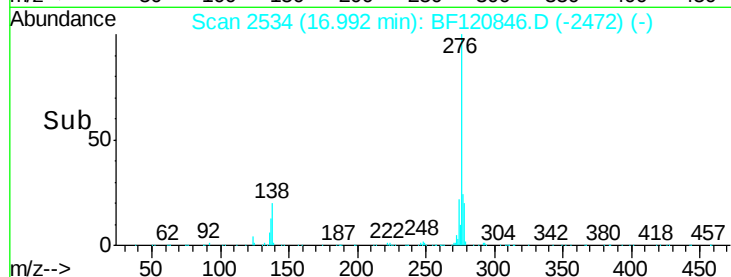
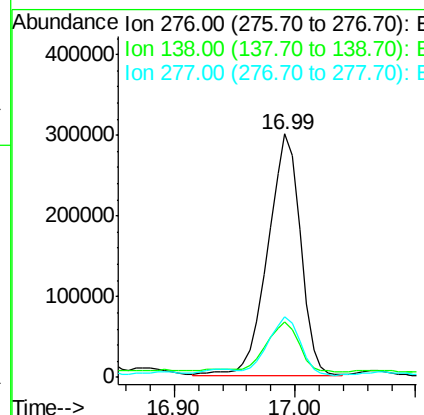
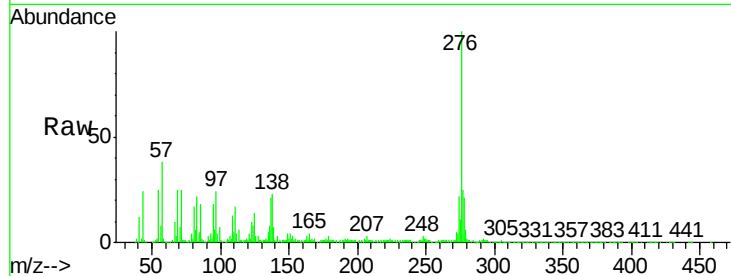
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 27.984 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. 0.06 min
 Lab File: BF120846.D
 Acq: 10 Jul 2020 22:32

Instrument :
 BNA_F
 ClientSampleId :
 24465

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.8	29.8
277	23.6	19.9	29.9

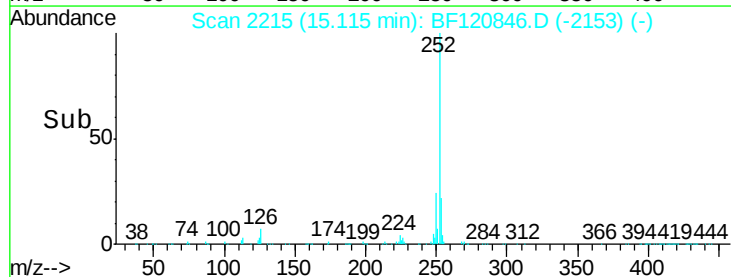
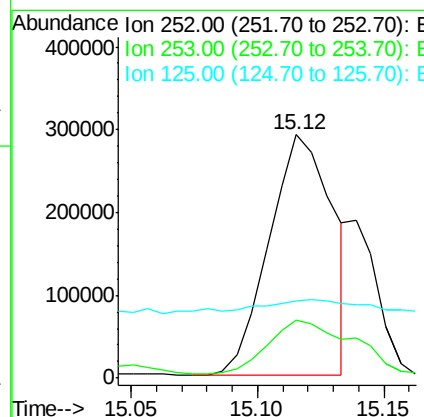
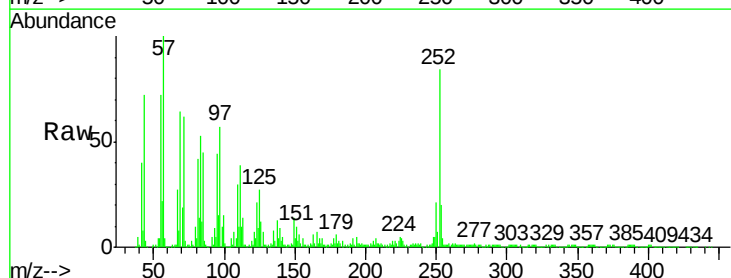
Manual Integrations
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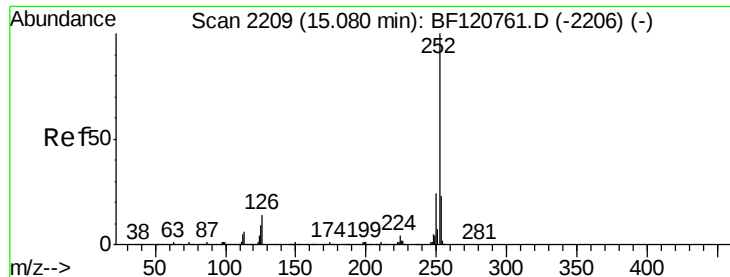
mohammad
 7/13/2020 1:05:07 PM



#88
 Benzo(b)fluoranthene
 Concen: 24.803 ng m
 RT: 15.12 min Scan# 2215
 Delta R.T. 0.06 min
 Lab File: BF120846.D
 Acq: 10 Jul 2020 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	31.8	7.5	11.3#





#89

Benzo(k)fluoranthene

Concen: 7.232 ng/mL

RT: 15.14 min Scan# 2219

Delta R.T. 0.06 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

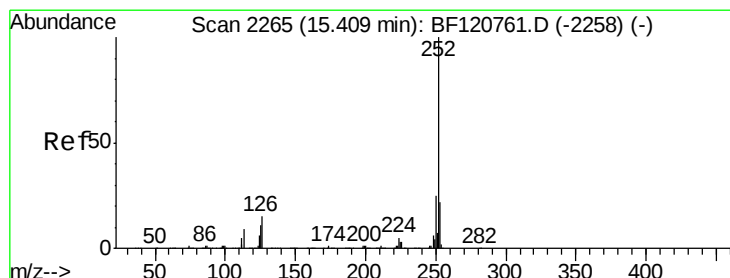
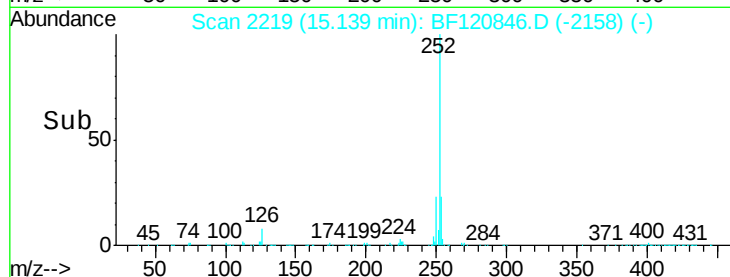
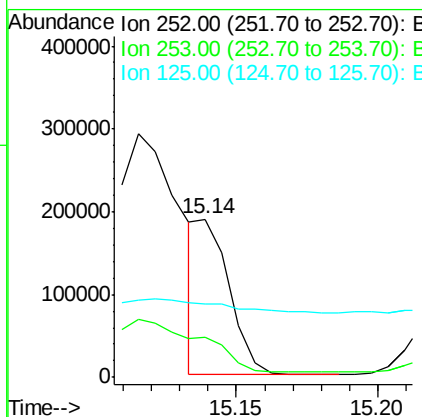
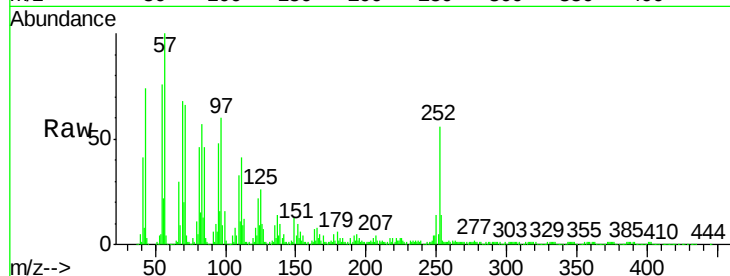
ClientSampleId :

24465

Tot Ion:	252	Resp:	144863
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	46.8	7.6	11.4

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 26.630 ng/mL

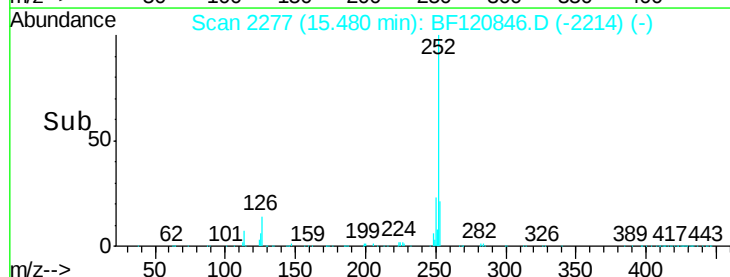
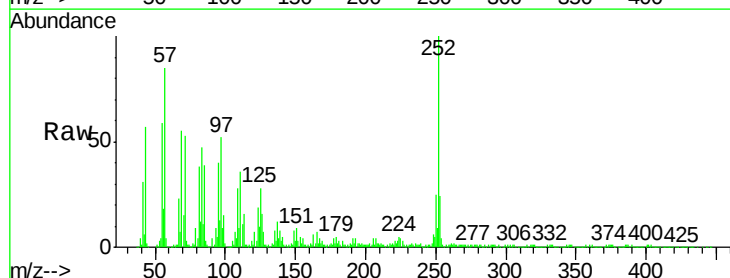
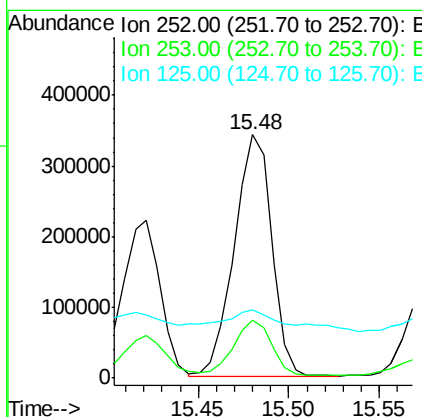
RT: 15.48 min Scan# 2277

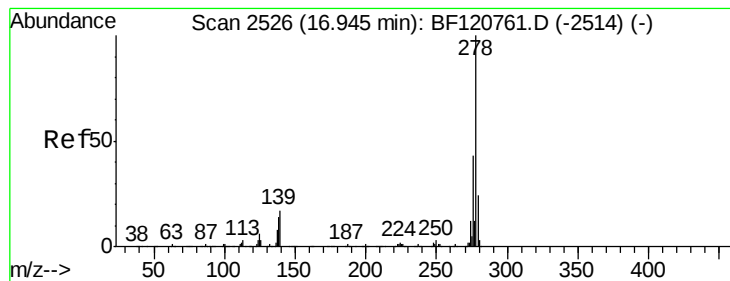
Delta R.T. 0.07 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Tgt Ion:	252	Resp:	489044
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.0
125	28.1	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 8.146 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.05 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Instrument :

BNA_F

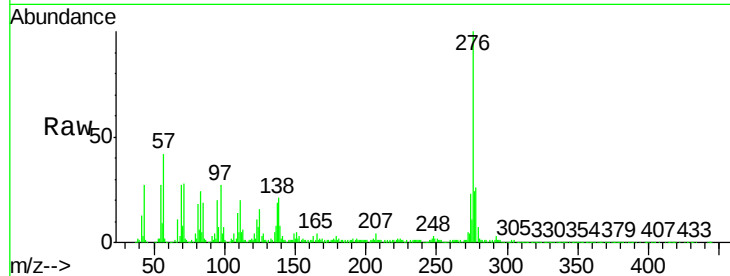
ClientSampleId :

24465

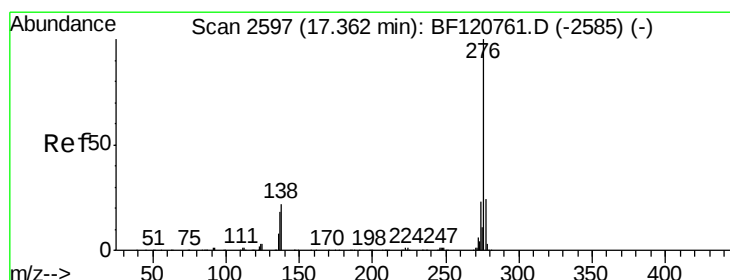
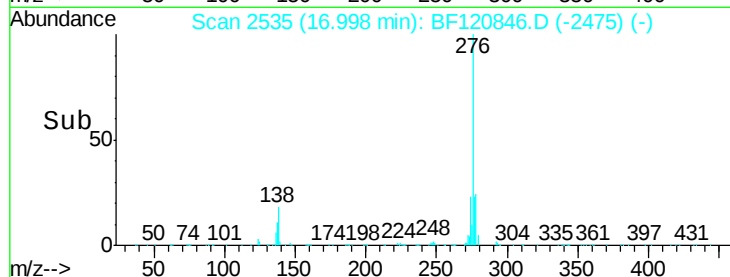
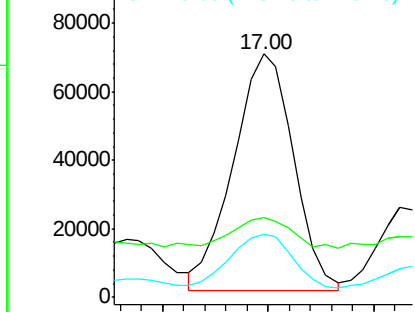
Tot Ion:	278	Resp:	136372
Ion Ratio	Lower	Upper	
278	100		
139	32.8	13.3	19.9#
279	26.1	19.0	28.6

Manual Integrations
APPROVED

mohammad
7/13/2020 1:05:07 PM



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: 35.473 ng

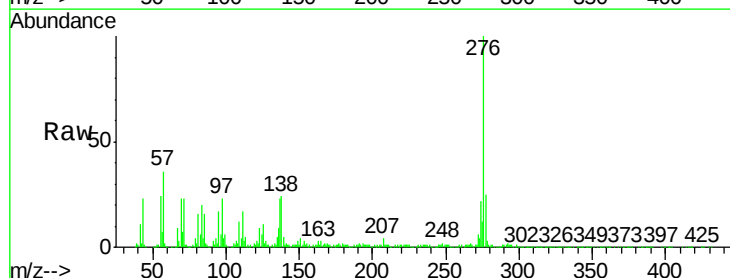
RT: 17.43 min Scan# 2609

Delta R.T. 0.07 min

Lab File: BF120846.D

Acq: 10 Jul 2020 22:32

Tgt Ion:	276	Resp:	542728
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.8	28.2
138	23.7	17.4	26.2



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

