

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120841.D
 Acq On : 10 Jul 2020 20:05
 Operator : JU/CG
 Sample : L3257-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH2

Manual Integrations
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Quant Time: Jul 11 06:41:54 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	204083	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	752485	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	375781	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	680491	20.00	ng	0.00
76) Chrysene-d12	14.01	240	432345	20.00	ng	0.00
86) Perylene-d12	15.47	264	395263	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	958442	72.49	ng	0.00
7) Phenol-d6	6.47	99	1184164	70.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	758662	58.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	299809	79.41	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1354917	54.55	ng	0.00
79) Terphenyl-d14	12.96	244	1415292	64.09	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.74	152	82271	2.161	ng	99
50) Dimethylphthalate	9.60	163	114134	4.164	ng	98
71) Phenanthrene	11.39	178	431381	11.683	ng	98
72) Anthracene	11.44	178	94600	2.535	ng	98
75) Fluoranthene	12.59	202	923751	23.486	ng	98
78) Pyrene	12.81	202	877566	25.415	ng	99
81) Benzo(a)anthracene	14.00	228	350066m	12.631	ng	
83) Chrysene	14.03	228	390071	13.799	ng	96
87) Indeno(1,2,3-cd)pyrene	16.92	276	274647	10.833	ng	97
88) Benzo(b)fluoranthene	15.04	252	456493m	17.567	ng	
89) Benzo(k)fluoranthene	15.07	252	148184m	5.860	ng	
90) Benzo(a)pyrene	15.41	252	315336	13.603	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	64887m	3.071	ng	
92) Benzo(a,h,i)perylene	17.36	276	267258	13.839	ng	99

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

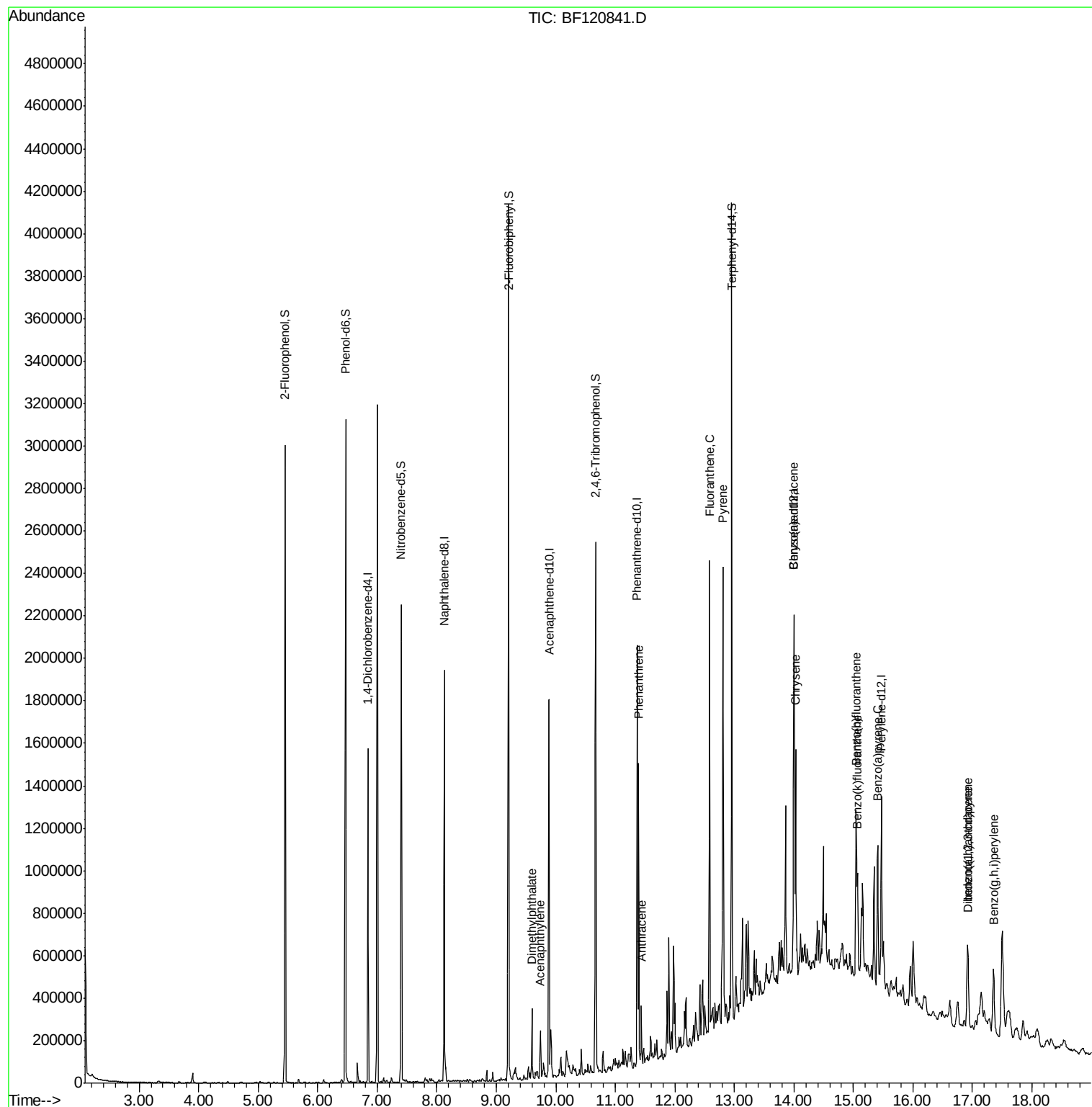
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120841.D
Acq On : 10 Jul 2020 20:05
Operator : JU/CG
Sample : L3257-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

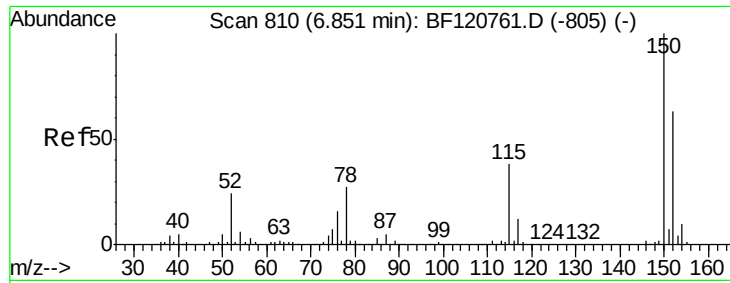
Instrument :
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MH2

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Quant Time: Jul 11 06:41:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





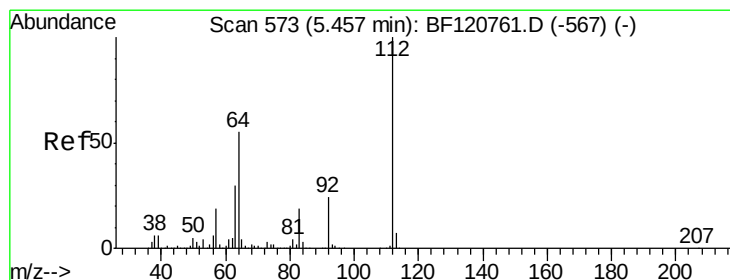
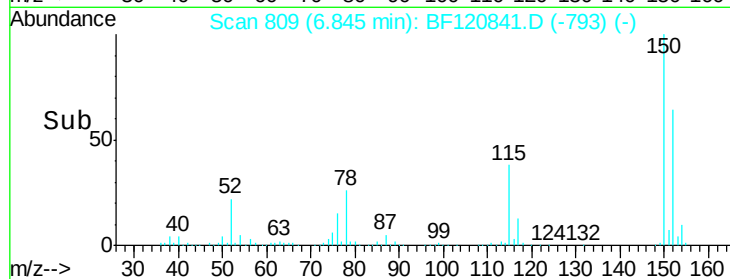
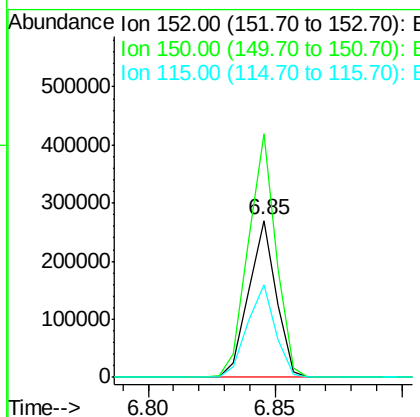
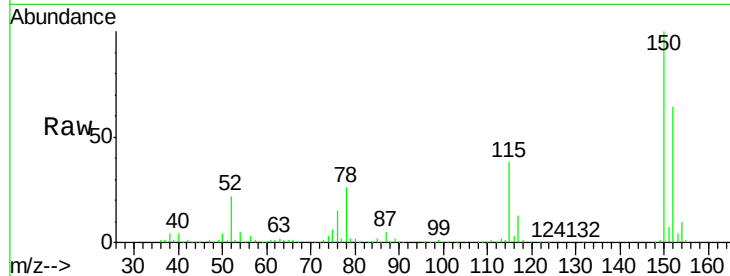
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120841.D
 Acq: 10 Jul 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 MH2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.1	189.1
115	59.2	48.5	72.7

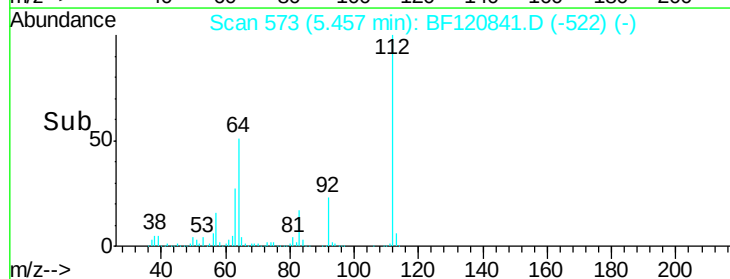
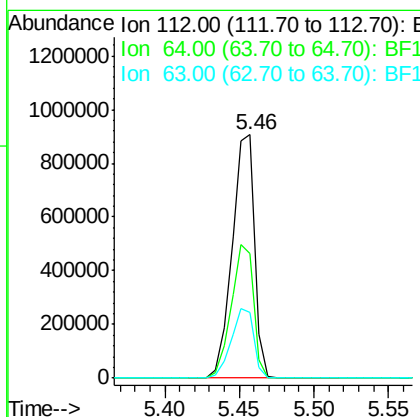
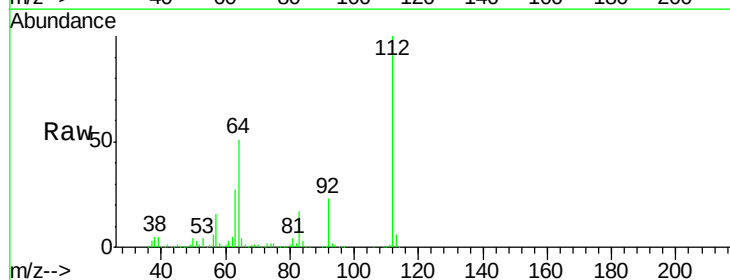
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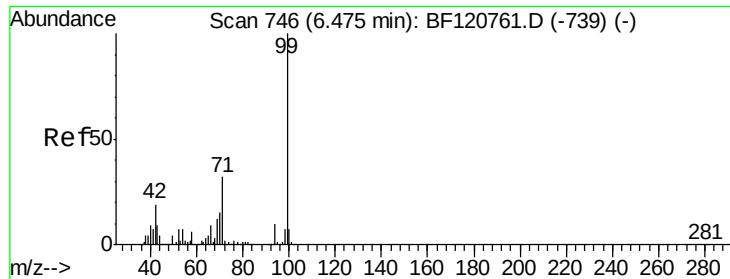
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#5
 2-Fluorophenol
 Concen: 72.495 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: BF120841.D
 Acq: 10 Jul 2020 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	43.8	65.6
63	26.9	23.6	35.4





#7

Phenol-d6

Concen: 70.137 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Instrument :

BNA_F

ClientSampleId :

MH2

Tot Ion: 99 Resp: 1184164

Ion Ratio Lower Upper

99 100

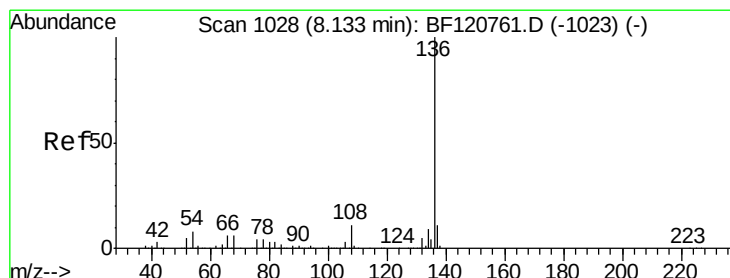
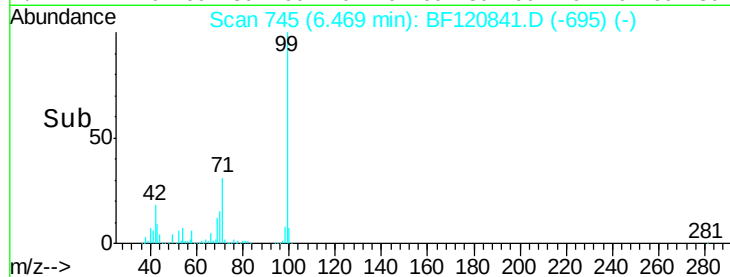
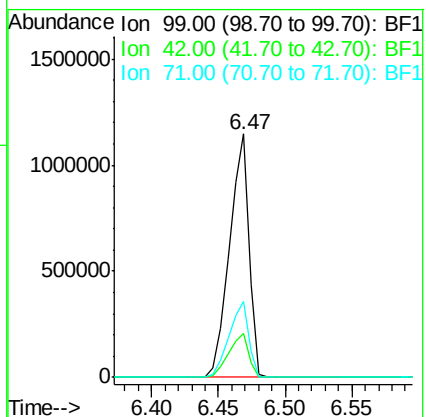
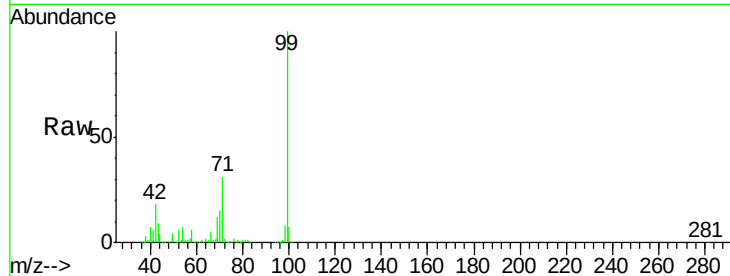
42 17.9 15.4 23.0

71 31.3 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: BF120841.D

Acq: 10 Jul 2020 20:05

Tgt Ion: 136 Resp: 752485

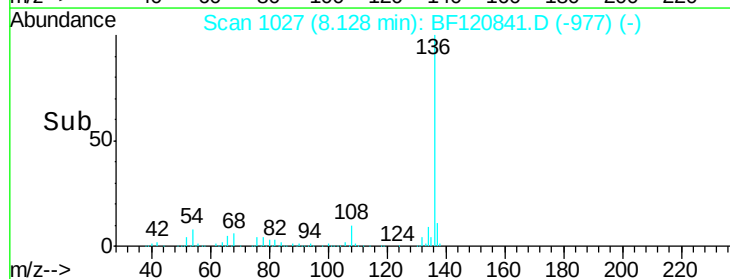
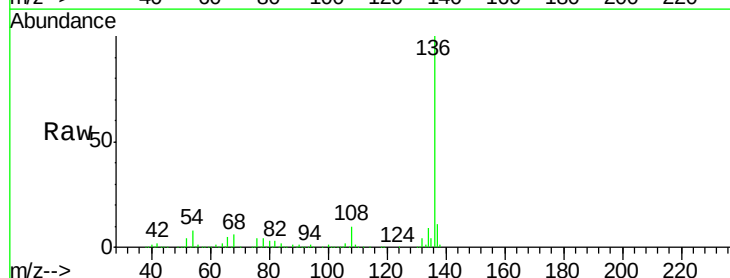
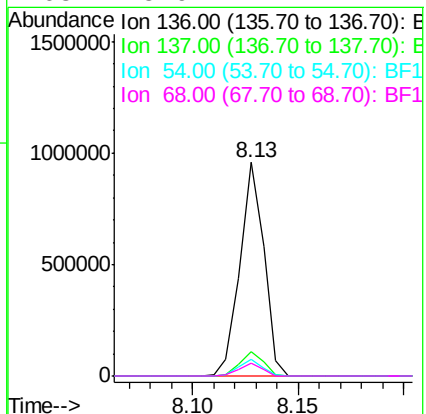
Ion Ratio Lower Upper

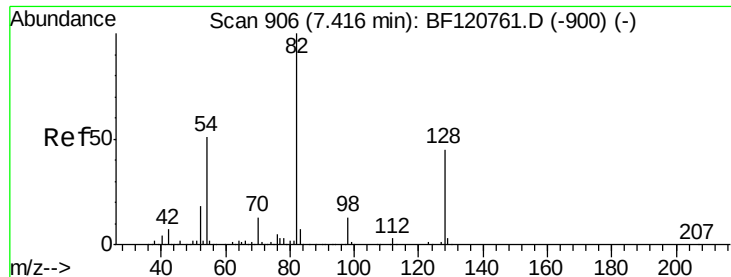
136 100

137 11.3 9.0 13.6

54 7.8 6.2 9.4

68 5.9 4.7 7.1





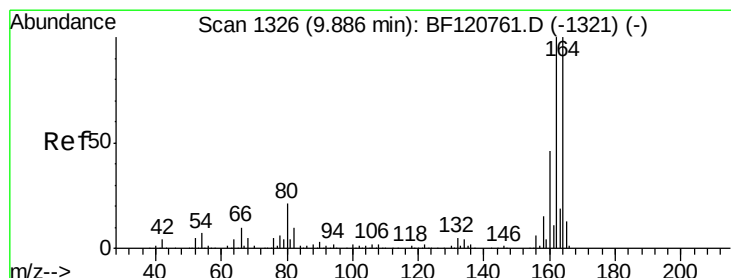
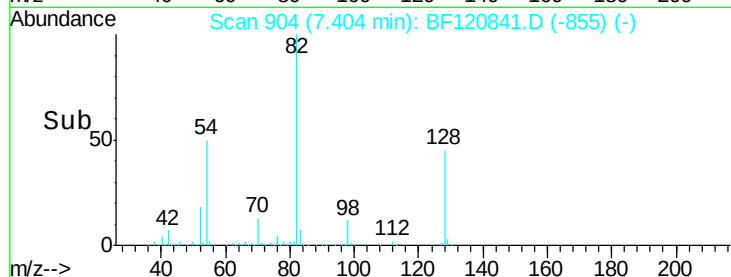
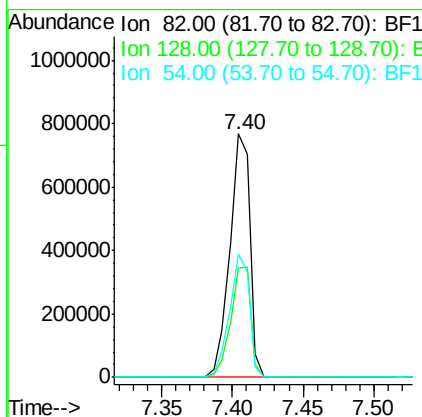
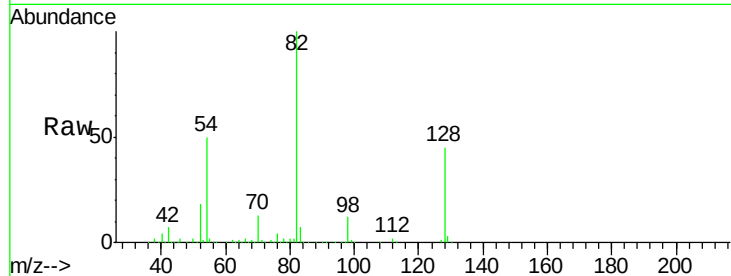
#23
Nitrobenzene-d5
Concen: 58.413 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Instrument :
BNA_F
ClientSampled :
MH2

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.7	53.5
54	50.4	40.9	61.3

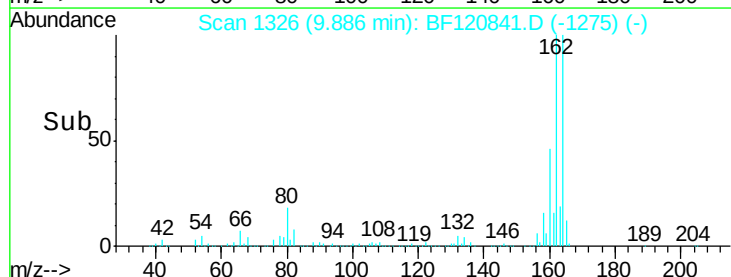
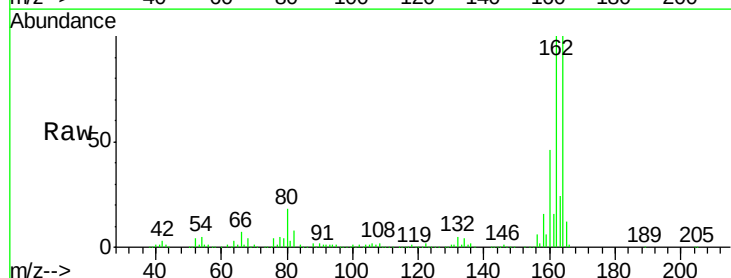
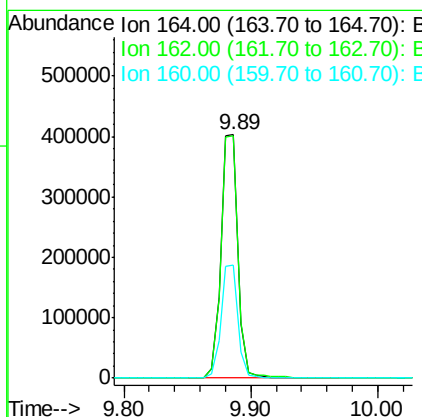
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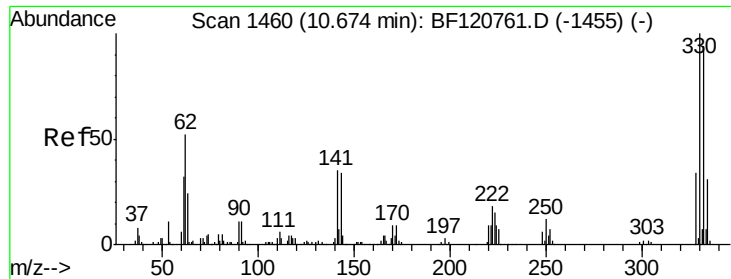
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.2	120.2
160	46.2	36.9	55.3





#42

2,4,6-Tribromophenol

Concen: 79.414 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Instrument :

BNA_F

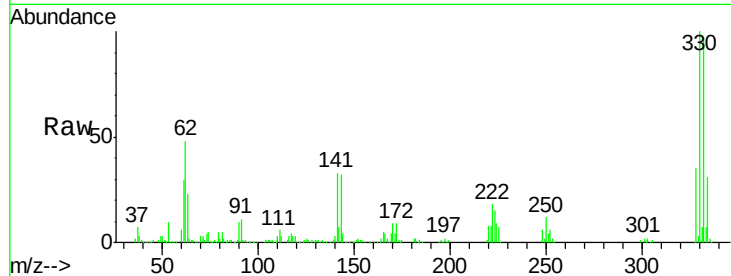
ClientSampled :

MH2

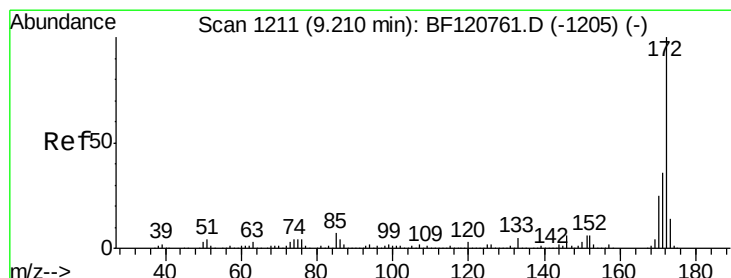
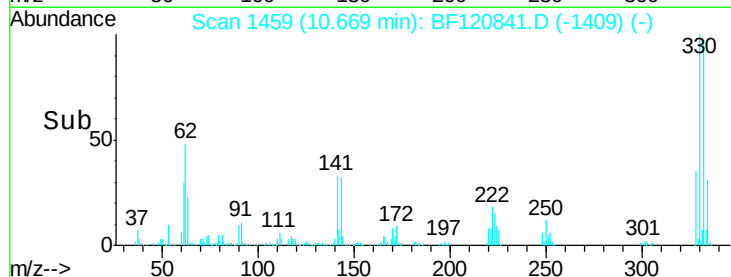
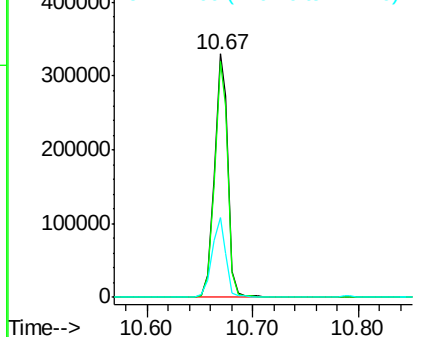
Tot Ion:	330	Resp:	299809
Ion Ratio	Lower	Upper	
330	100		
332	95.6	75.8	113.6
141	33.0	29.7	44.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 54.551 ng

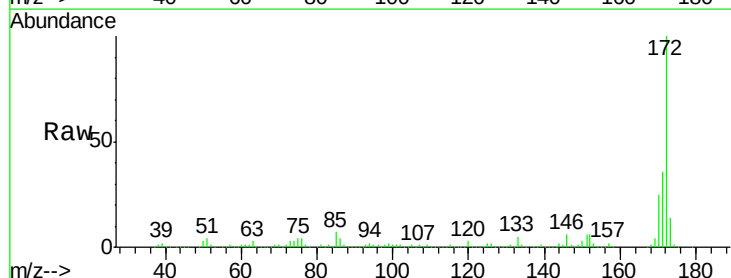
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

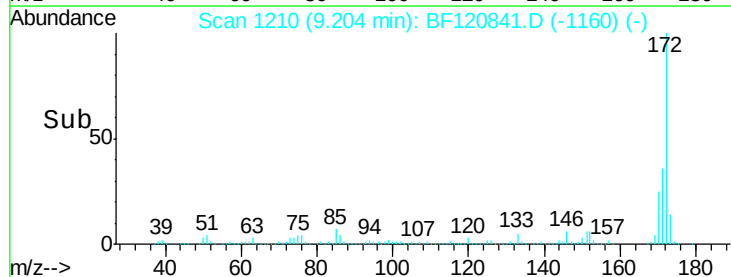
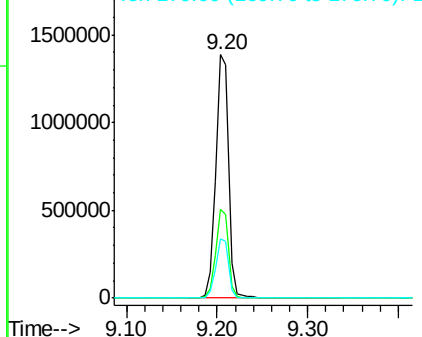
Lab File: BF120841.D

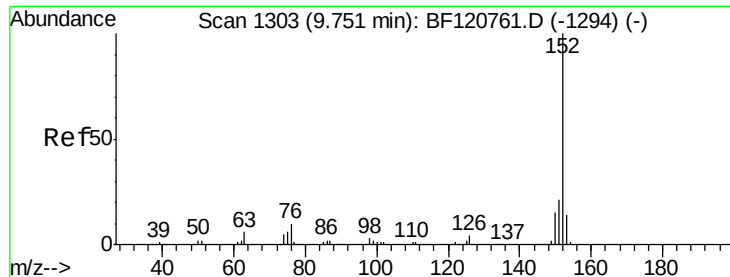
Acq: 10 Jul 2020 20:05

Tgt Ion:	172	Resp:	1354917
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.1	43.7
170	24.6	19.8	29.6



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





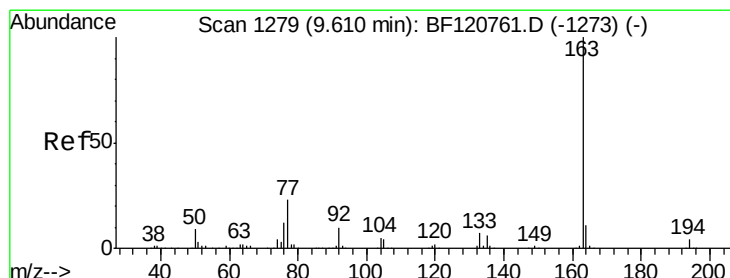
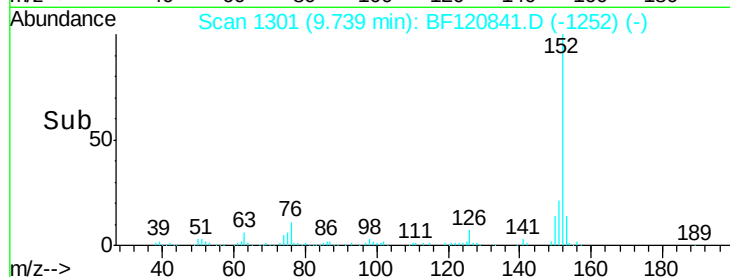
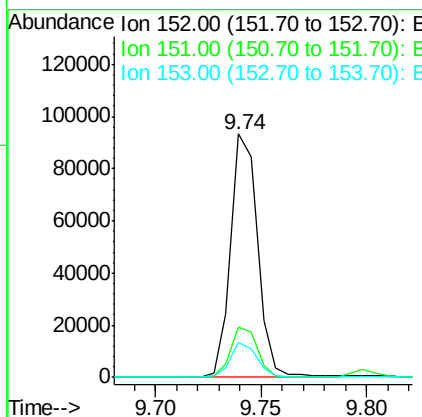
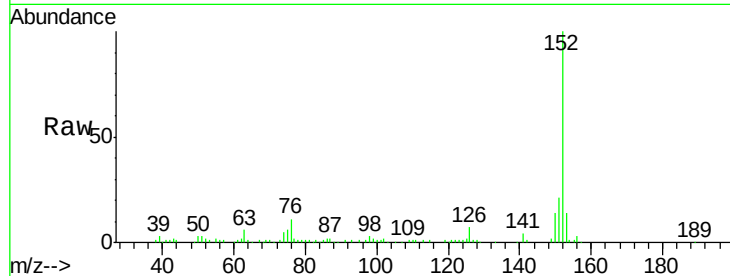
#49
Acenaphthylene
Concen: 2.161 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Instrument :
BNA_F
ClientSampleId :
MH2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.9	25.3
153	14.2	10.8	16.2

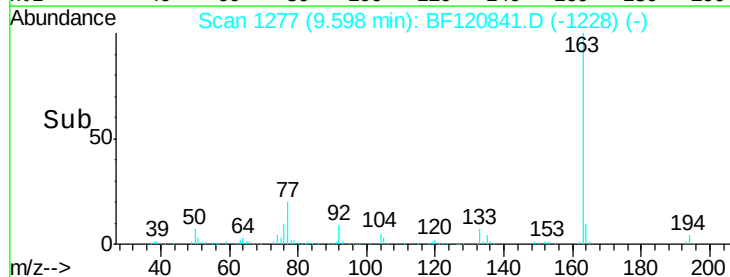
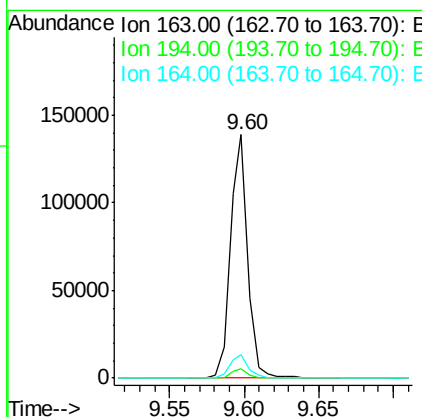
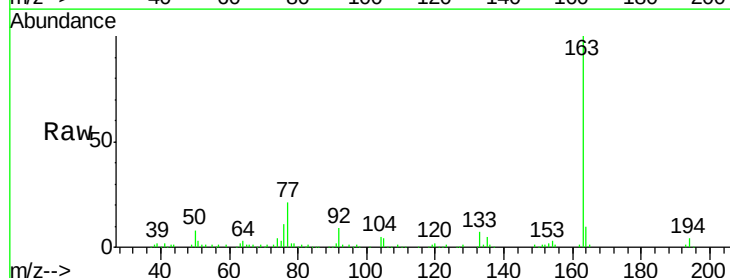
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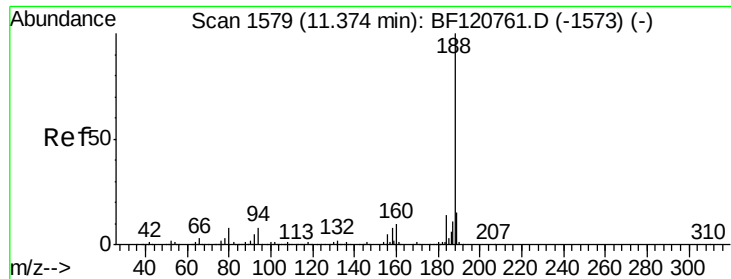
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#50
Dimethylphthalate
Concen: 4.164 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.9	4.3
164	9.9	8.5	12.7





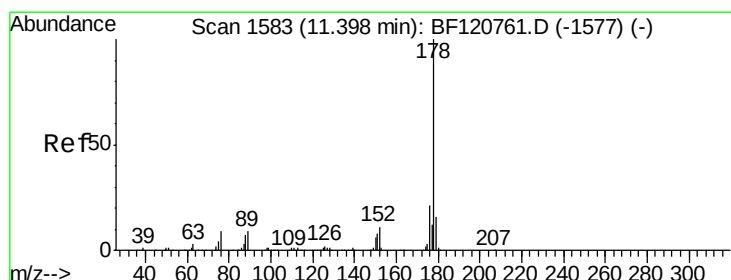
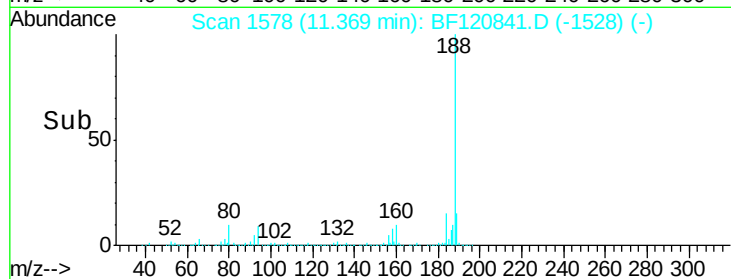
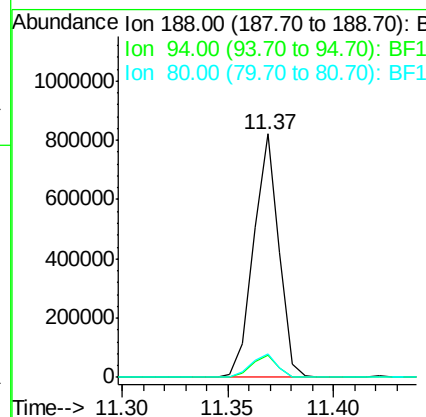
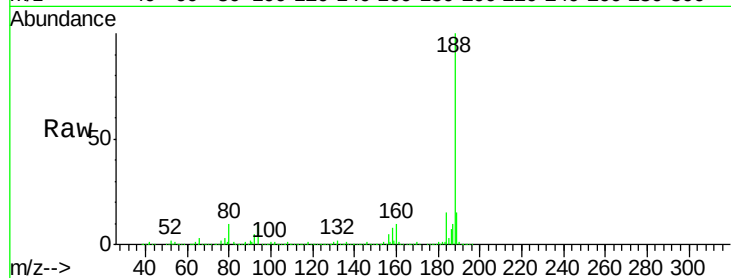
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Instrument :
BNA_F
ClientSampled :
MH2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	6.6	9.8
80	9.7	6.6	10.0

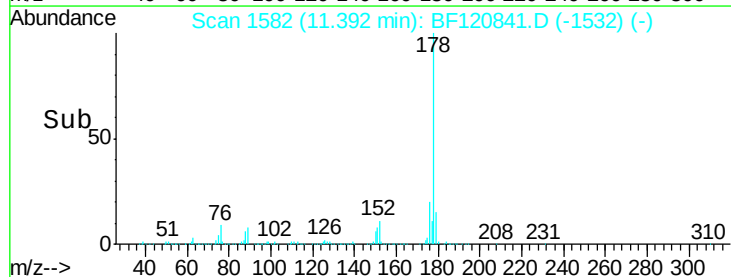
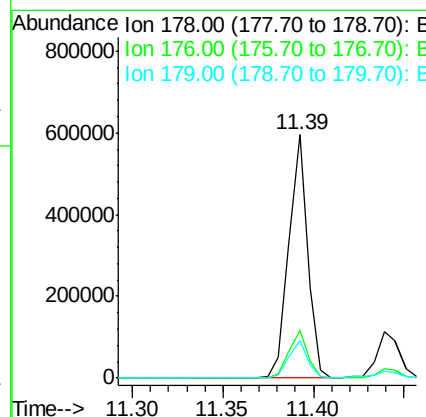
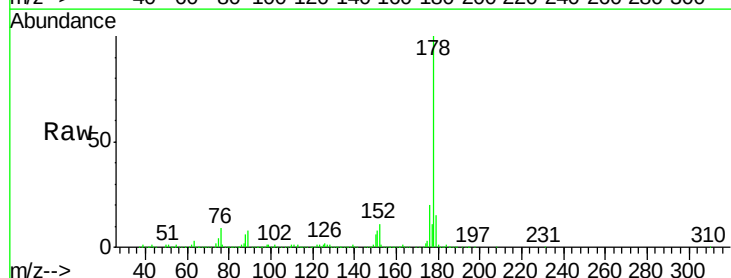
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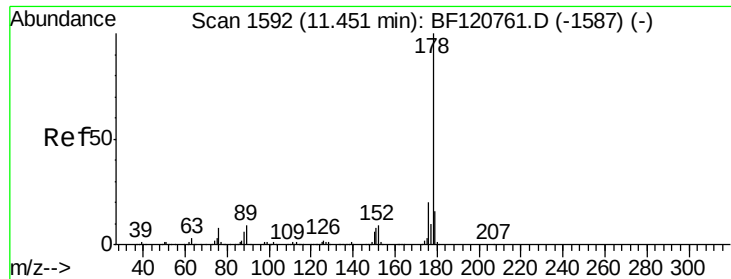
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#71
Phenanthrene
Concen: 11.683 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	16.4	24.6
179	15.4	12.9	19.3





#72

Anthracene

Concen: 2.535 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Instrument :

BNA_F

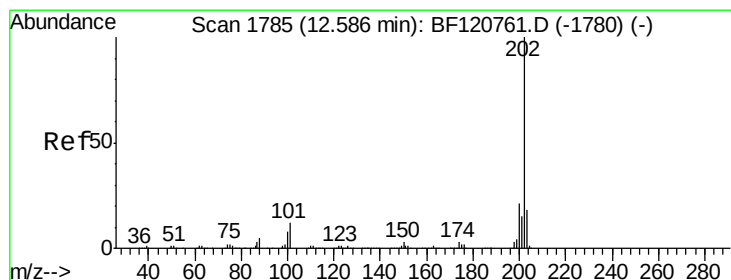
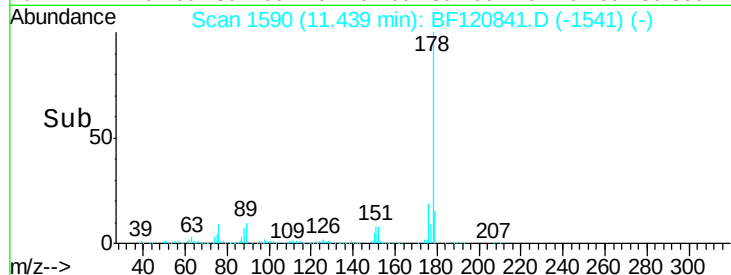
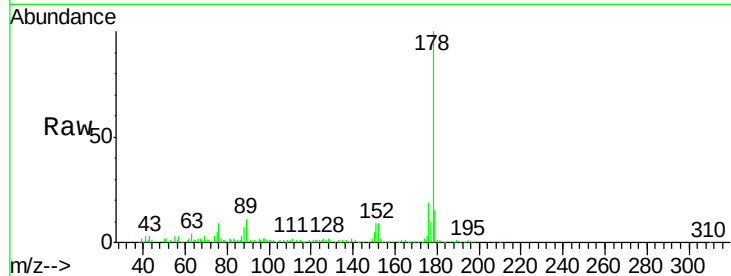
ClientSampleId :

MH2

Tot Ion:	178	Resp:	94600
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.2
179	15.3	12.7	19.1

Manual Integrations
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#75

Fluoranthene

Concen: 23.486 ng

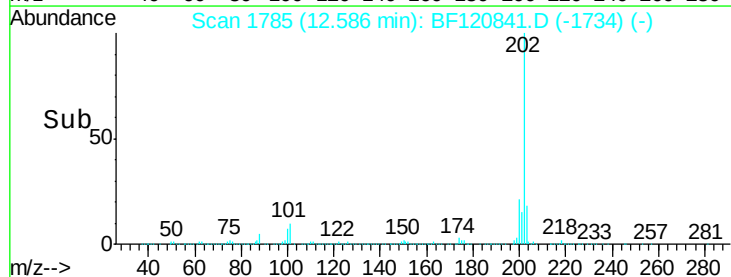
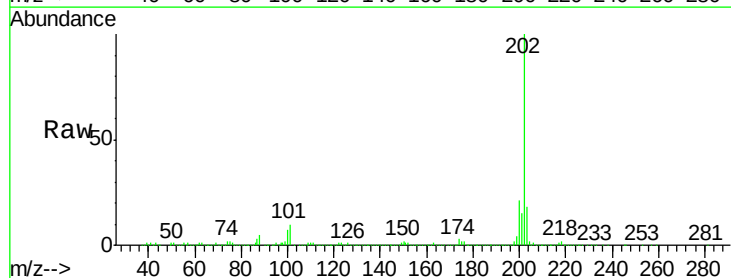
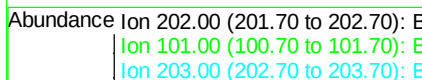
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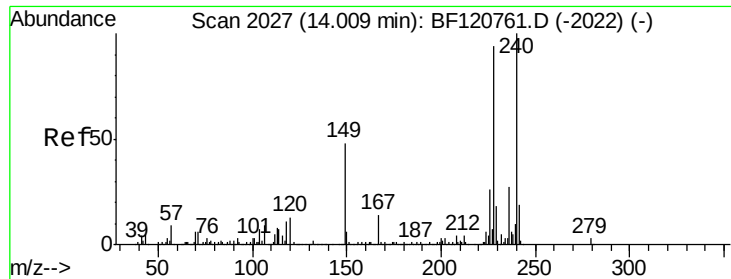
Delta R.T. 0.00 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Tgt Ion:	202	Resp:	923751
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	31.6
203	18.1	0.0	38.2





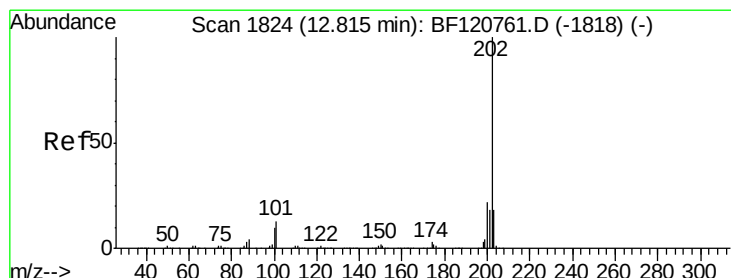
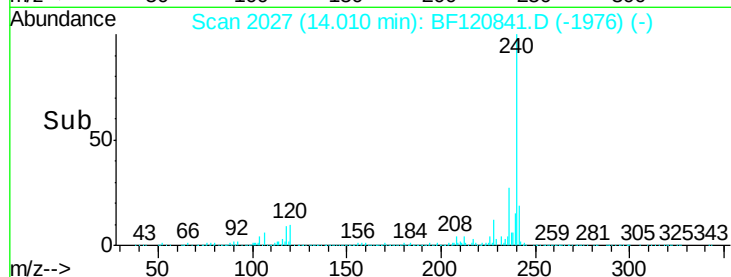
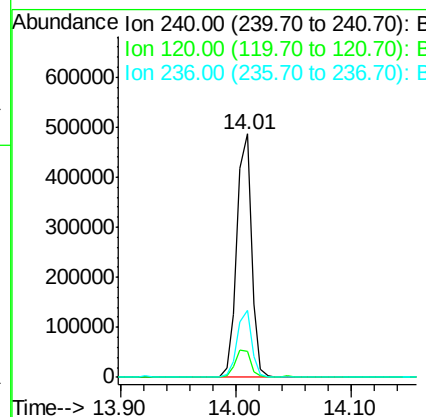
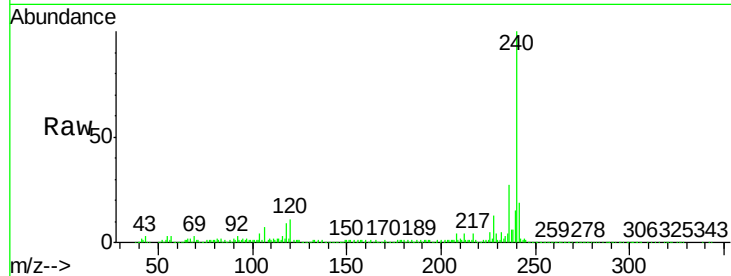
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Instrument :
BNA_F
ClientSampled :
MH2

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.3	15.5
236	27.3	21.4	32.2

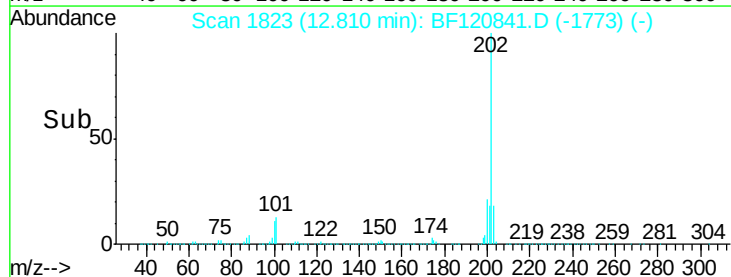
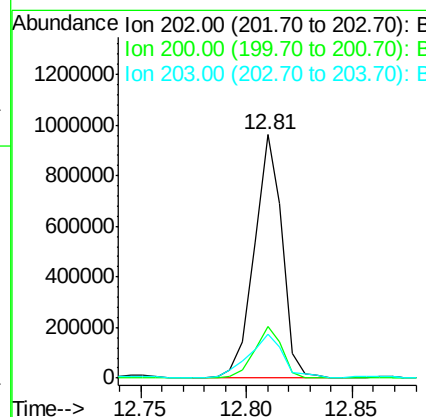
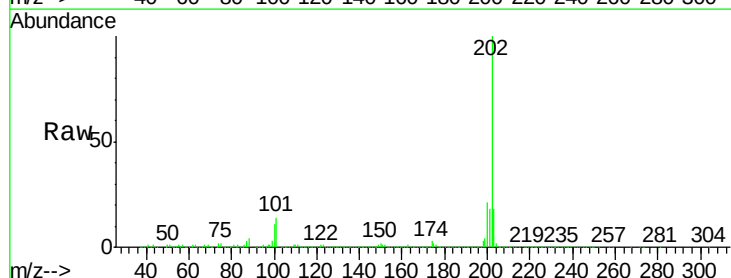
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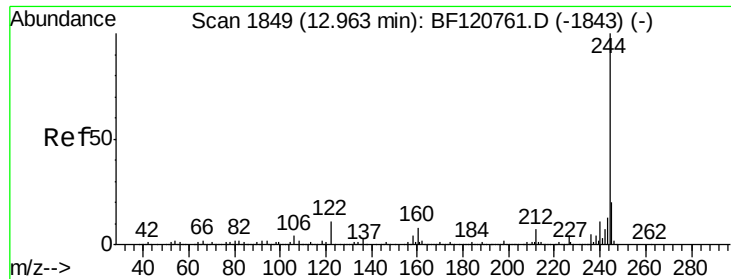
mohammad
7/13/2020 1:04:57 PM



#78
Pyrene
Concen: 25.415 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	18.3	14.6	22.0





#79

Terphenyl-d14

Concen: 64.092 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Instrument :

BNA_F

ClientSampleId :

MH2

Tot Ion:244 Resp: 1415292

Ion Ratio Lower Upper

244 100

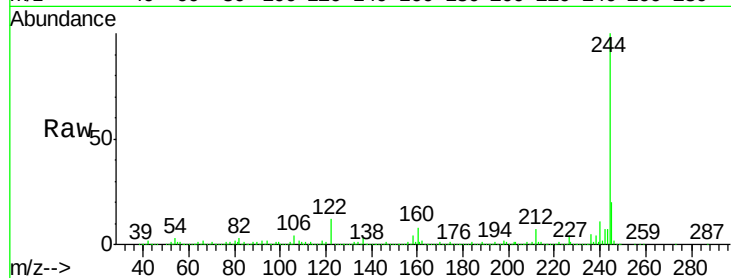
212 7.0 5.6 8.4

122 11.7 9.0 13.4

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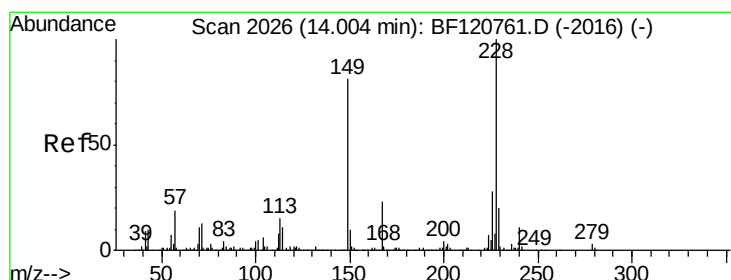
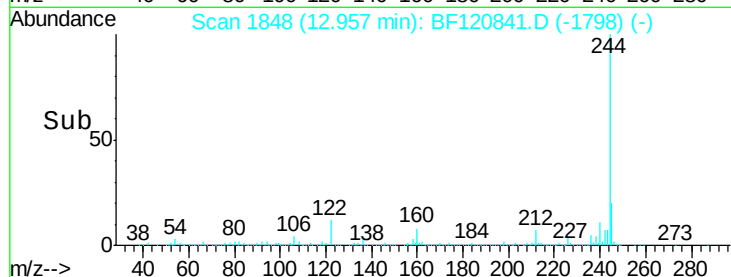
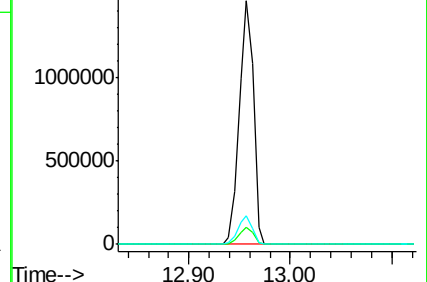
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 12.631 ng m

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

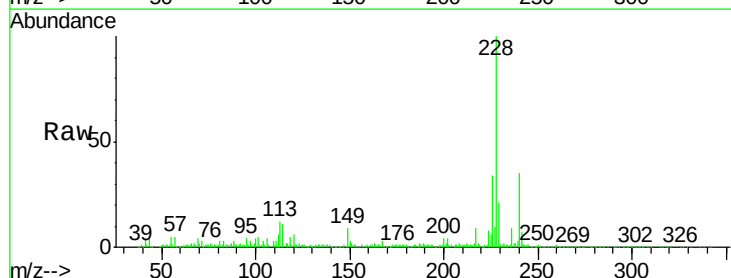
Tgt Ion:228 Resp: 350066

Ion Ratio Lower Upper

228 100

226 34.2 22.6 33.8#

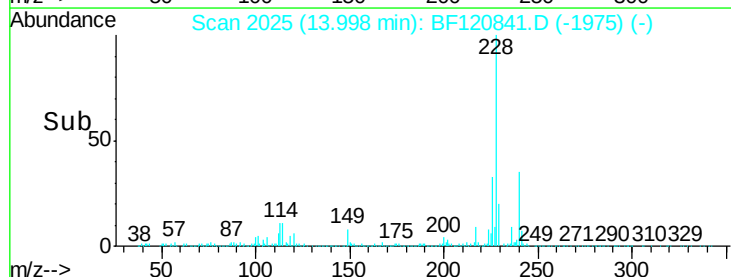
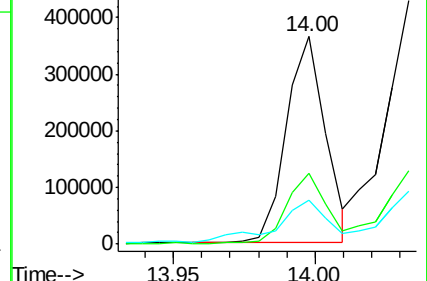
229 21.0 15.8 23.6

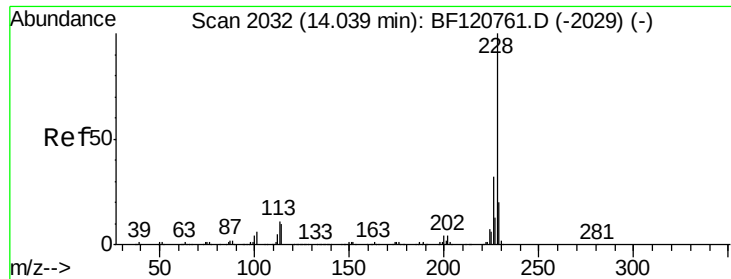


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





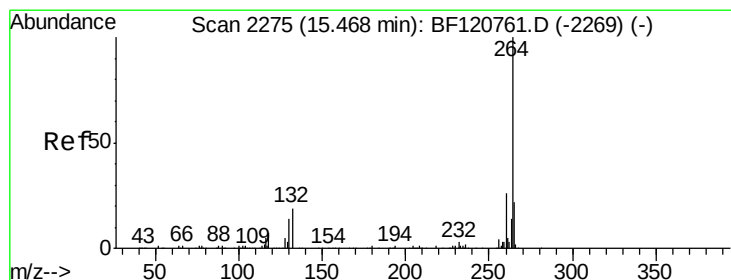
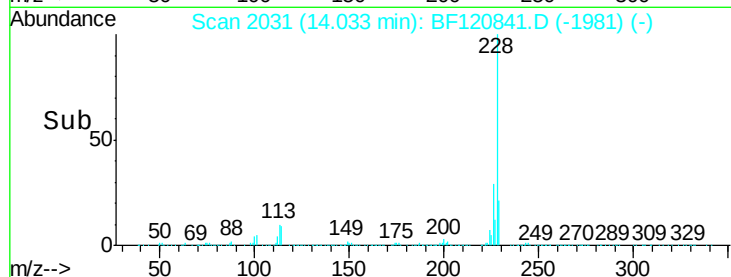
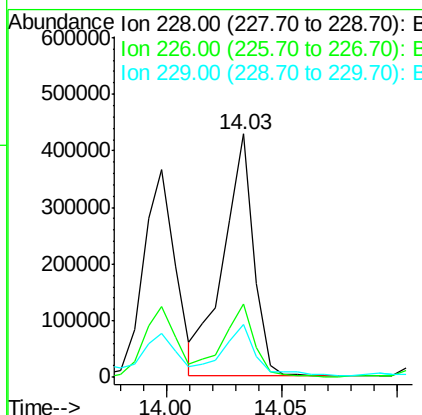
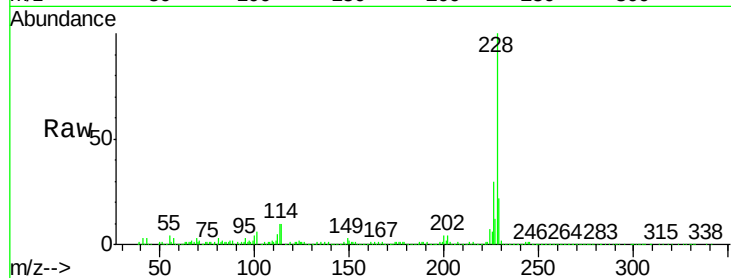
#83
Chrysene
Concen: 13.799 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Instrument :
BNA_F
ClientSampleId :
MH2

Tot Ion:	228	Resp:	390071
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.7	38.5
229	21.9	16.3	24.5

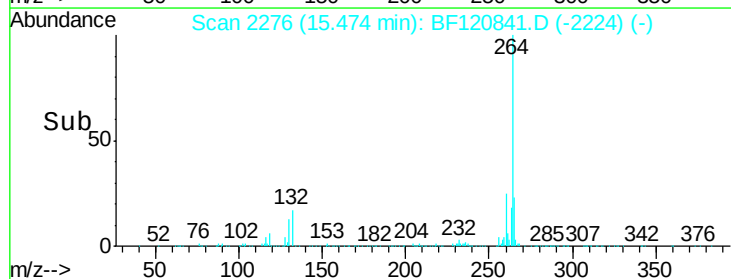
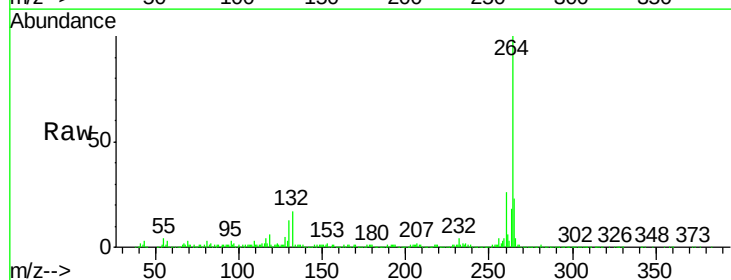
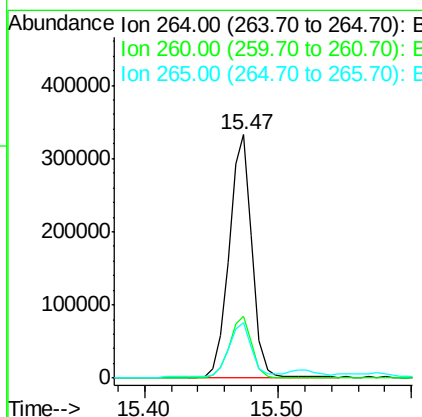
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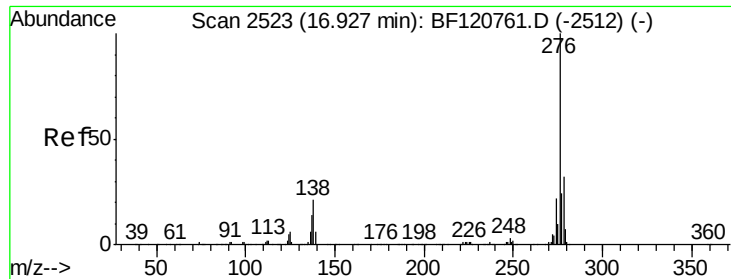
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Tgt Ion:	264	Resp:	395263
Ion Ratio	Lower	Upper	
264	100		
260	25.6	20.6	30.8
265	23.0	17.6	26.4





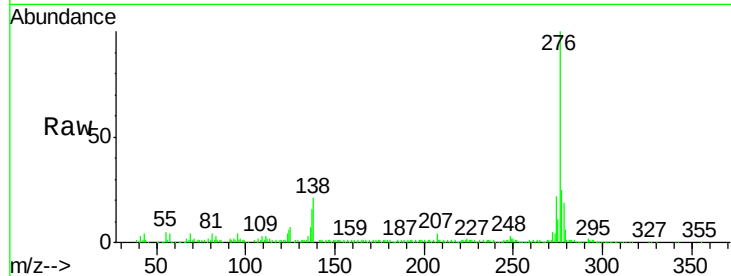
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.833 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BF120841.D
 Acq: 10 Jul 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 MH2

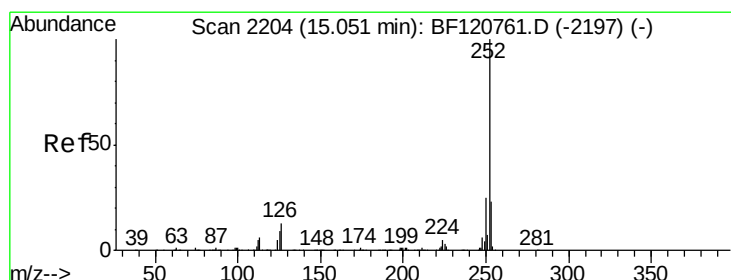
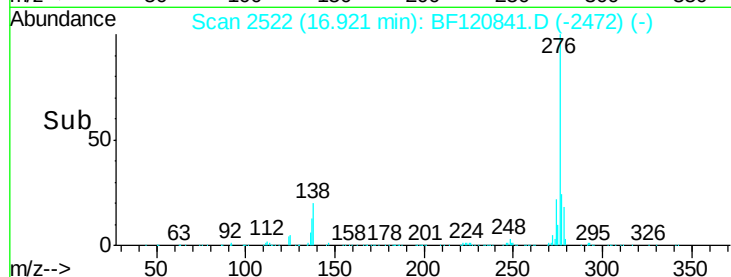
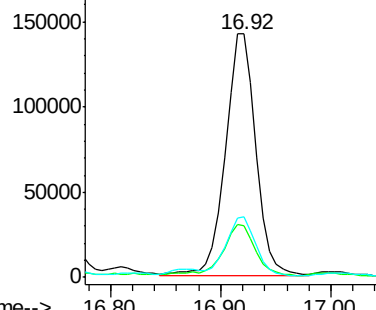
Tot Ion:	276	Resp:	274647
Ion Ratio		Lower	Upper
276	100		
138	22.7	19.8	29.8
277	23.9	19.9	29.9

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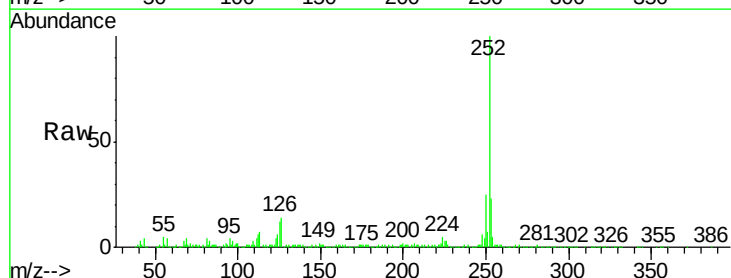


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

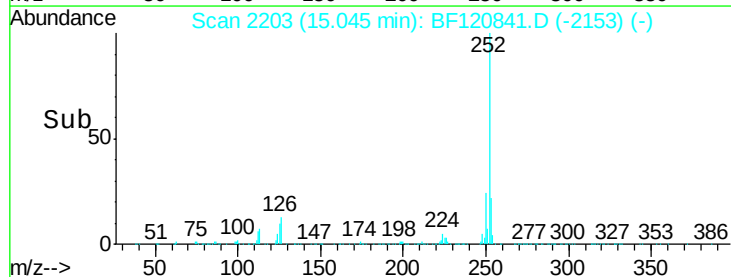
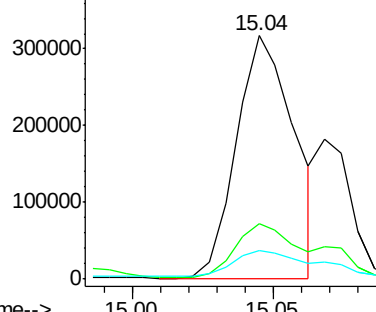


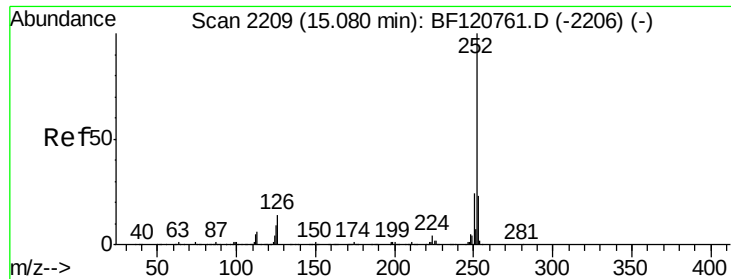
#88
 Benzo(b)fluoranthene
 Concen: 17.567 ng m
 RT: 15.04 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BF120841.D
 Acq: 10 Jul 2020 20:05

Tgt Ion:	252	Resp:	456493
Ion Ratio		Lower	Upper
252	100		
253	22.6	18.0	27.0
125	11.7	7.5	11.3#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





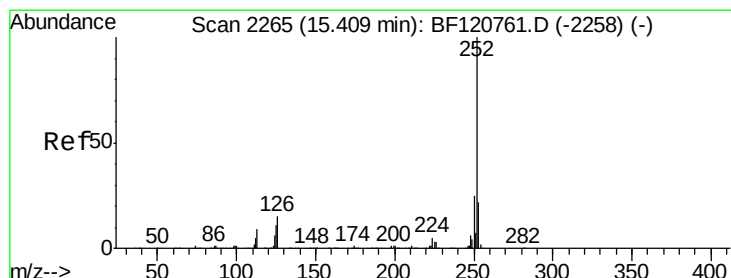
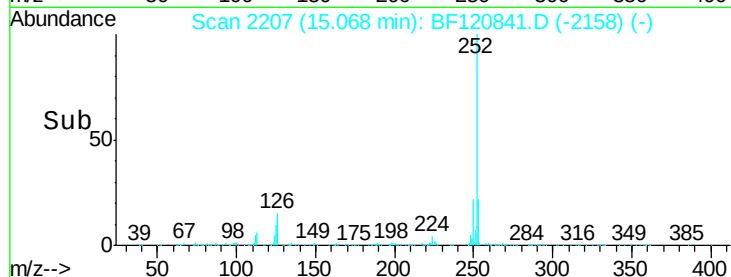
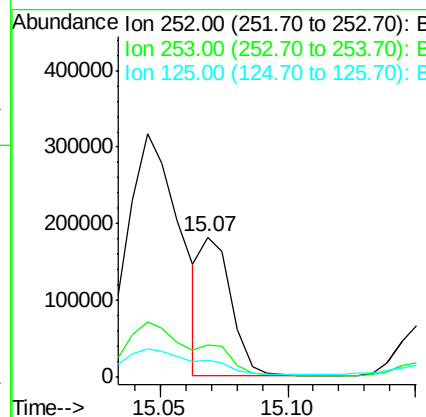
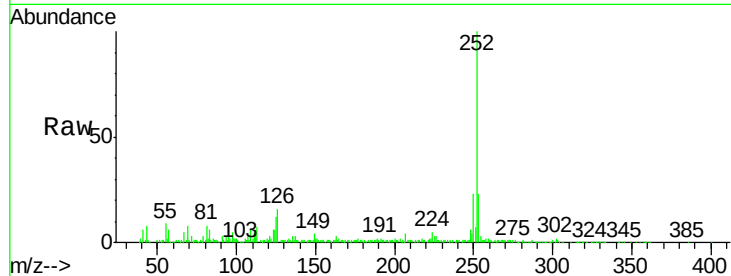
#89
Benzo(k)fluoranthene
Concen: 5.860 ng/mL
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Instrument :
BNA_F
ClientSampled :
MH2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.3	7.6	11.4

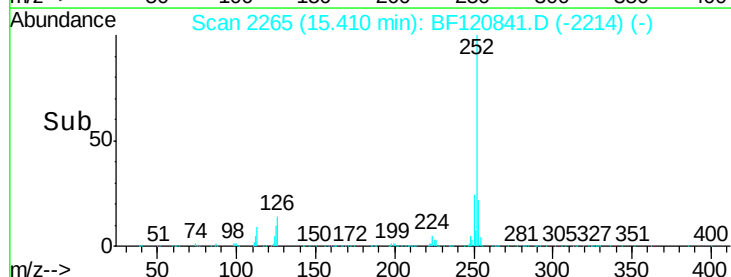
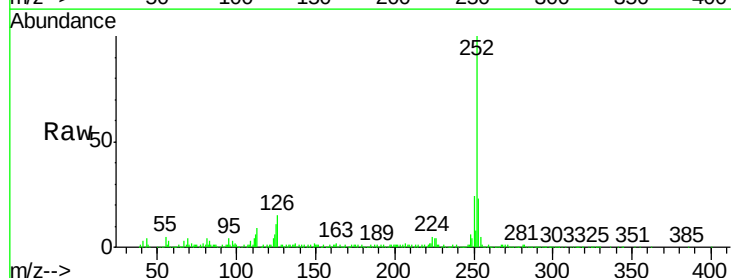
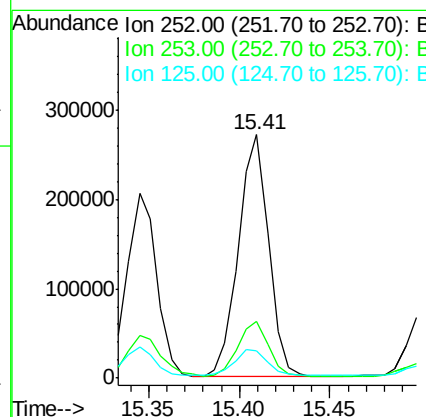
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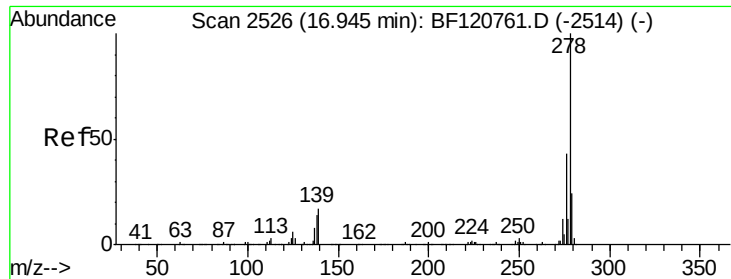
mohammad
7/13/2020 1:04:57 PM



#90
Benzo(a)pyrene
Concen: 13.603 ng/mL
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF120841.D
Acq: 10 Jul 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	11.4	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 3.071 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Instrument :

BNA_F

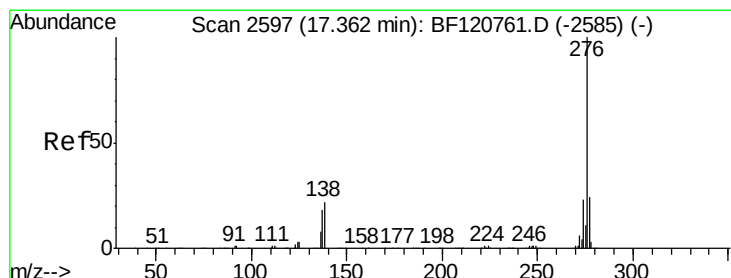
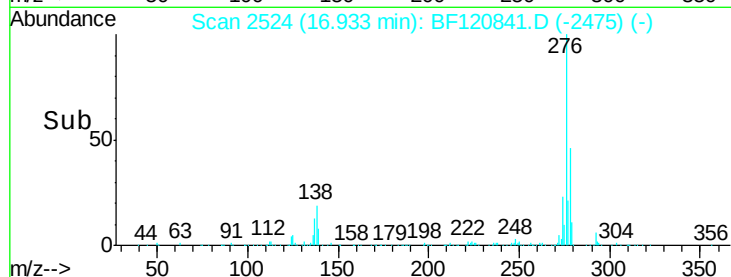
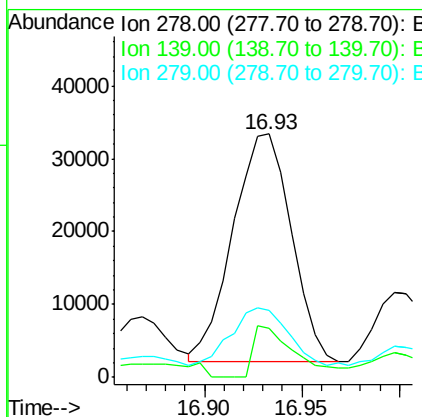
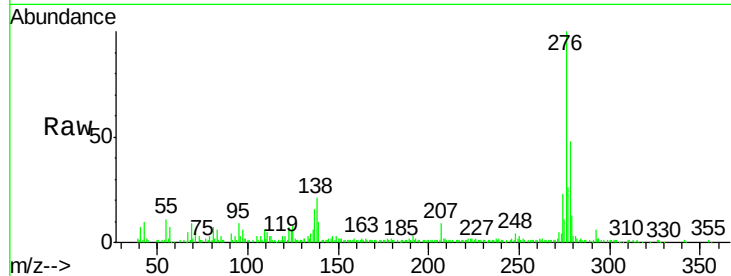
ClientSampleId :

MH2

Tot Ion:	278	Resp:	64887
Ion	Ratio	Lower	Upper
278	100		
139	20.3	13.3	19.9#
279	27.3	19.0	28.6

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 13.839 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.01 min

Lab File: BF120841.D

Acq: 10 Jul 2020 20:05

Tgt Ion:	276	Resp:	267258
Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	21.9	17.4	26.2

