

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120457.D
 Acq On : 29 May 2020 23:29
 Operator : MA/SJ
 Sample : L2773-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM58-COMP-2020-0-6

Manual Integrations
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Quant Time: May 30 05:13:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	251374	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	891489	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	406626	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	638269	20.00	ng	0.00
76) Chrysene-d12	14.00	240	521404	20.00	ng	0.00
86) Perylene-d12	15.45	264	538819	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1133278	85.92	ng	0.00
7) Phenol-d6	6.47	99	1475571	90.76	ng	0.00
23) Nitrobenzene-d5	7.40	82	963406	70.69	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	354454	94.08	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1755701	73.26	ng	0.00
79) Terphenyl-d14	12.94	244	1556067	66.41	ng	0.00
Target Compounds						
49) Acenaphthylene	9.73	152	122231	3.596	ng	98
50) Dimethylphthalate	9.59	163	282827	11.126	ng	99
71) Phenanthrene	11.38	178	614531	21.851	ng	98
72) Anthracene	11.43	178	139116	4.930	ng	97
75) Fluoranthene	12.57	202	1284694	42.453	ng	100
78) Pyrene	12.80	202	1094591	30.187	ng	99
81) Benzo(a)anthracene	13.99	228	642234	22.983	ng	97
83) Chrysene	14.02	228	532764	18.185	ng	96
87) Indeno(1,2,3-cd)pyrene	16.89	276	291466	9.890	ng	93
88) Benzo(b)fluoranthene	15.03	252	686329m	22.933	ng	
89) Benzo(k)fluoranthene	15.06	252	238342m	8.531	ng	
90) Benzo(a)pyrene	15.39	252	486952	18.602	ng	99
91) Dibenzo(a,h)anthracene	16.89	278	72476	3.016	ng	93
92) Benzo(a,h,i)perylene	17.32	276	255406	10.778	ng	98

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

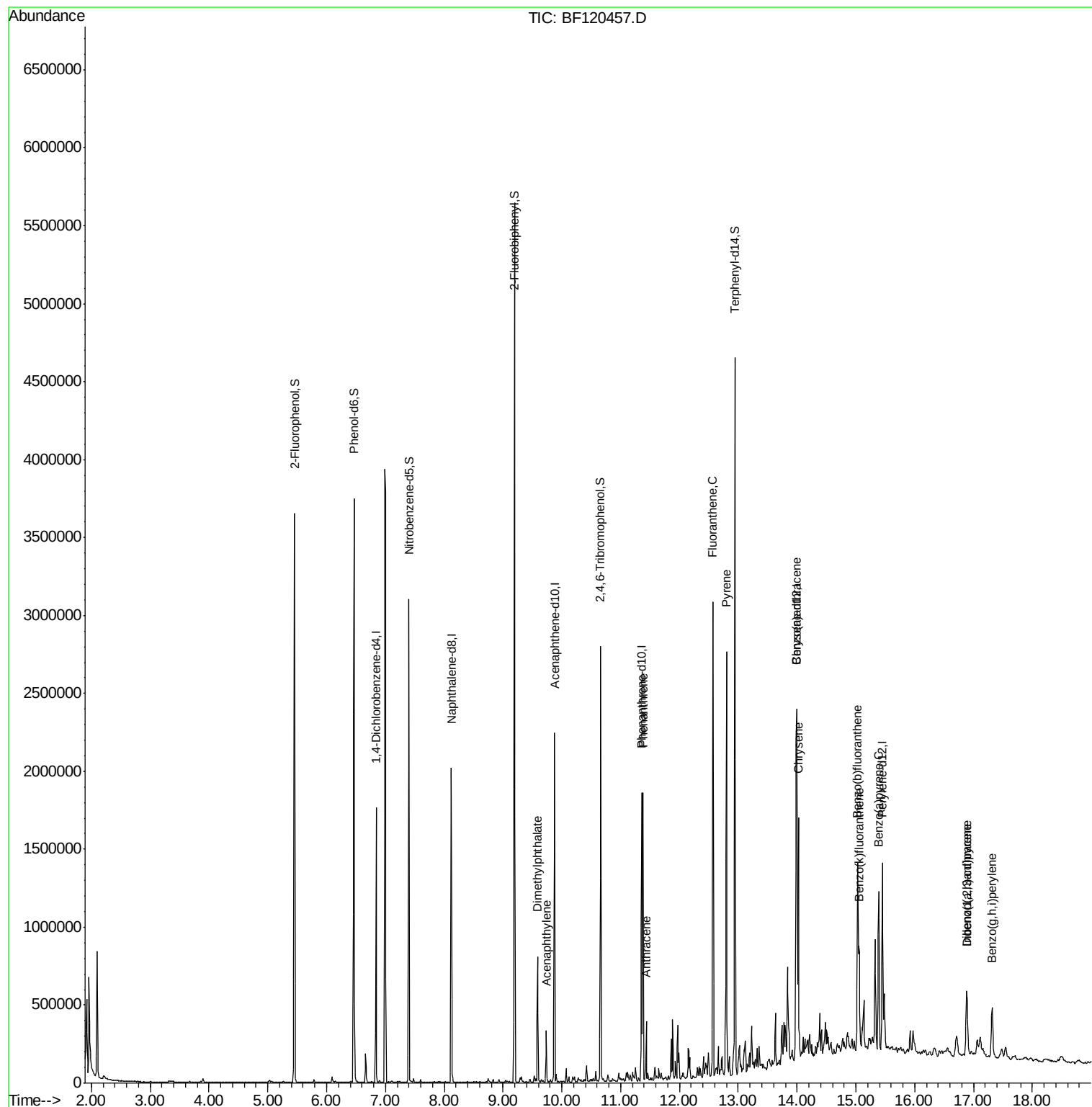
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
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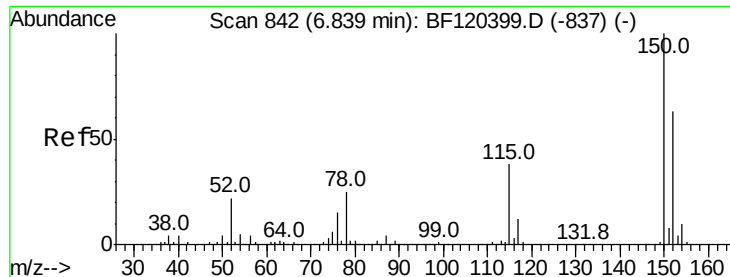
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#1

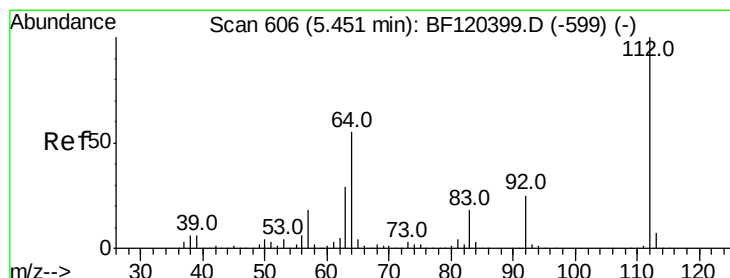
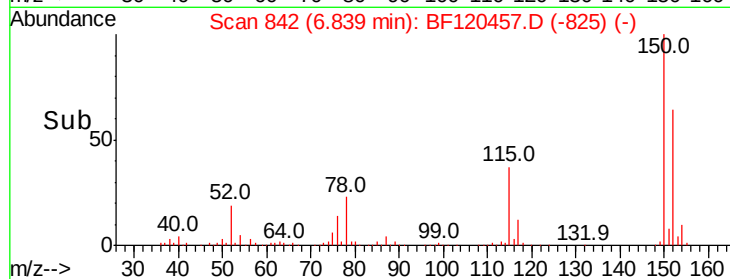
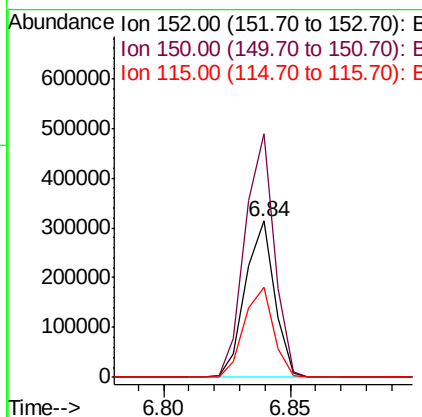
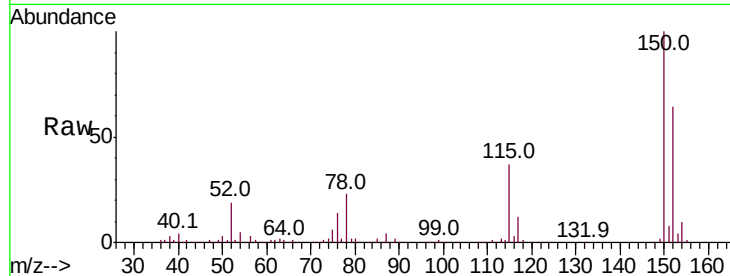
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :
NM58-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.5	189.7
115	57.1	47.6	71.4

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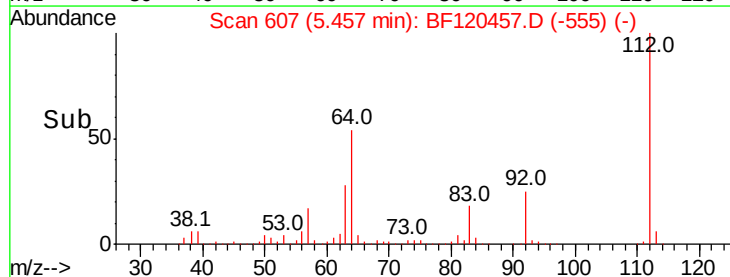
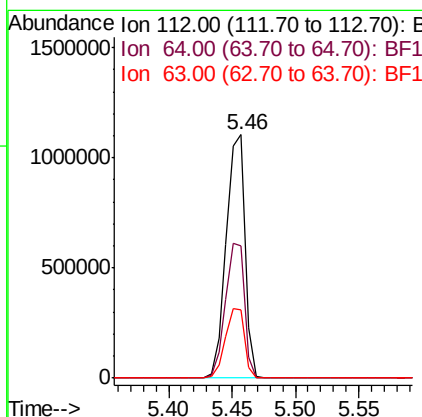
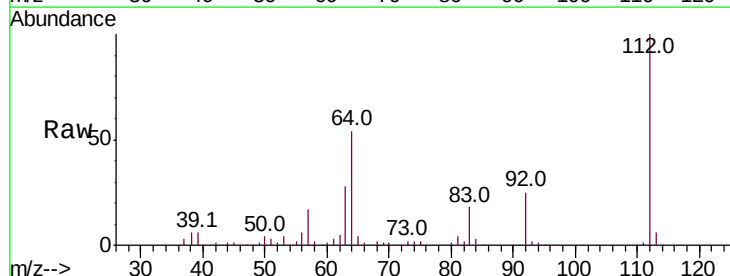
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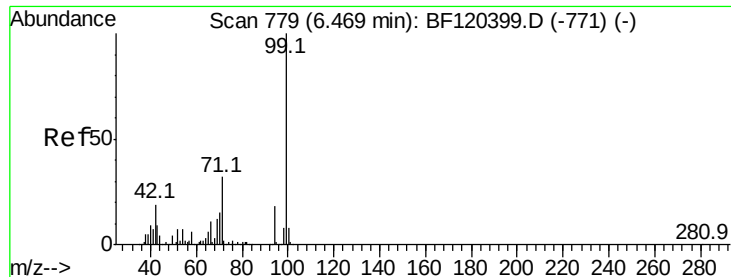


#5

2-Fluorophenol
Concen: 85.917 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.3	66.5
63	28.2	22.9	34.3





#7

Phenol-d6

Concen: 90.760 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

NM58-COMP-2020-0-6

Tot Ion: 99 Resp: 1475571

Ion Ratio Lower Upper

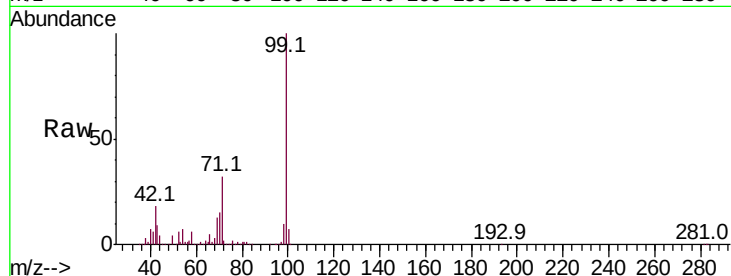
99 100

42 18.0 15.2 22.8

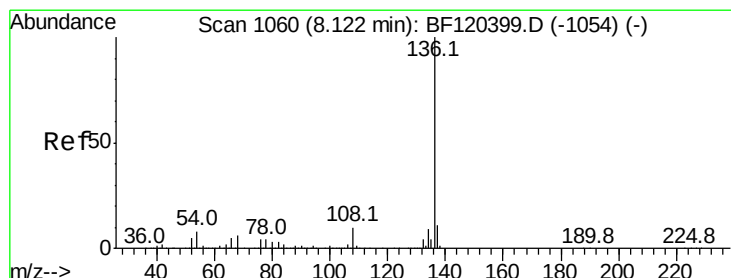
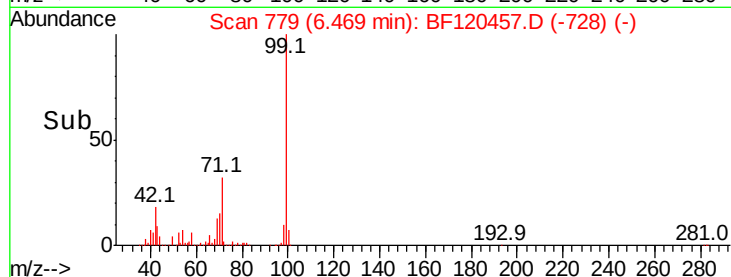
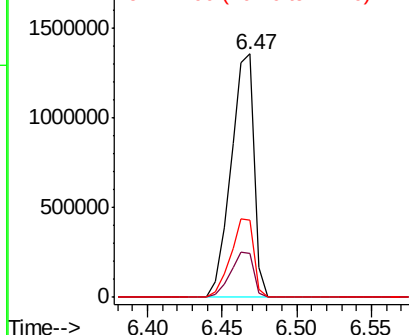
71 31.9 25.6 38.4

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Tgt Ion: 136 Resp: 891489

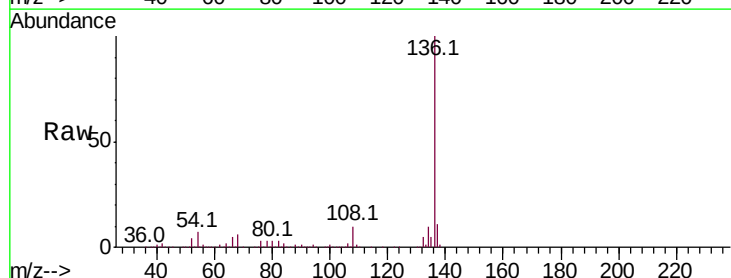
Ion Ratio Lower Upper

136 100

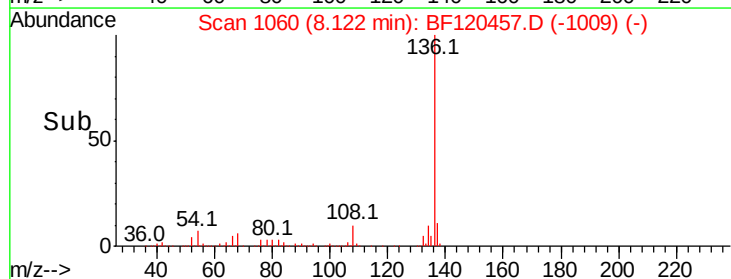
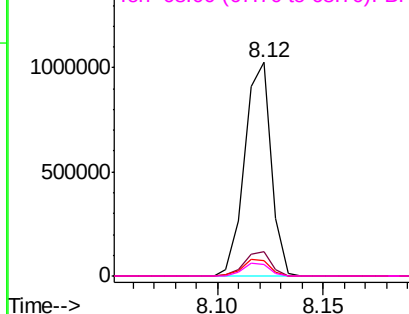
137 11.2 9.1 13.7

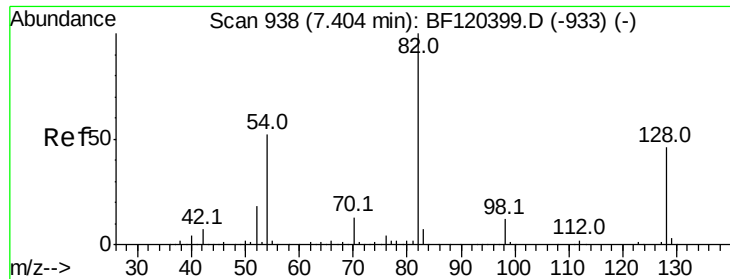
54 7.3 6.7 10.1

68 5.6 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





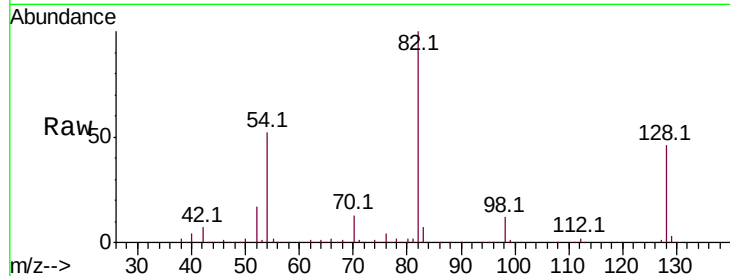
#23
 Nitrobenzene-d5
 Concen: 70.690 ng
 RT: 7.40 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :
 NM58-COMP-2020-0-6

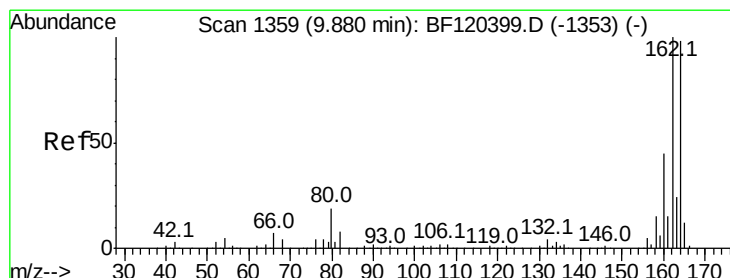
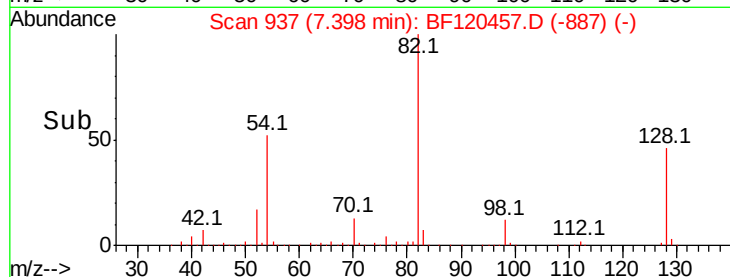
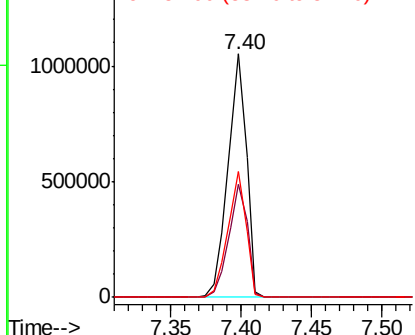
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.8	55.2
54	51.6	41.6	62.4

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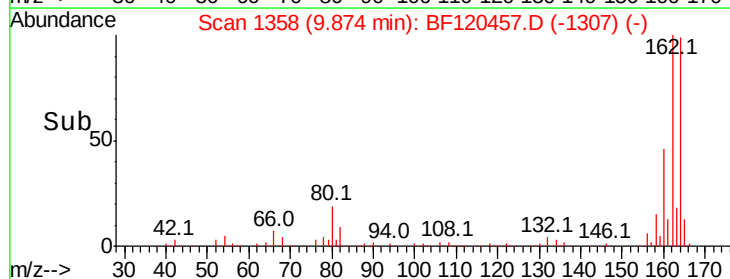
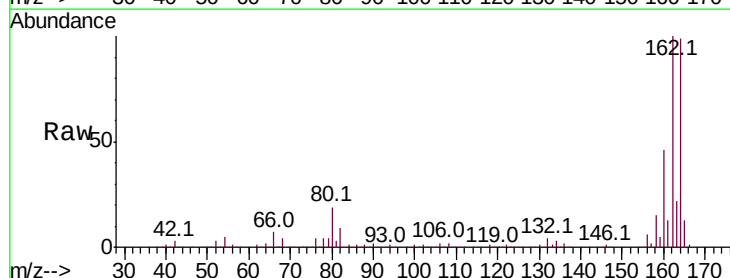
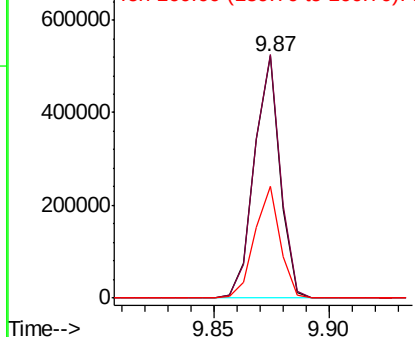
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

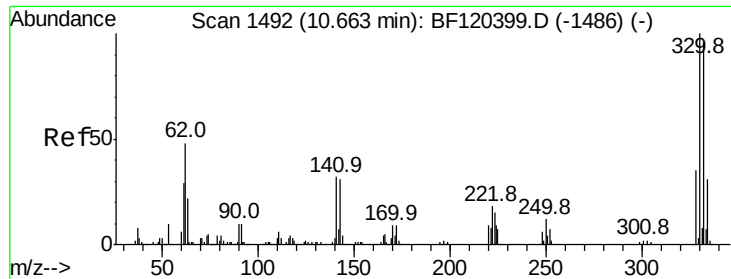


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.3	121.9
160	46.0	36.9	55.3

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





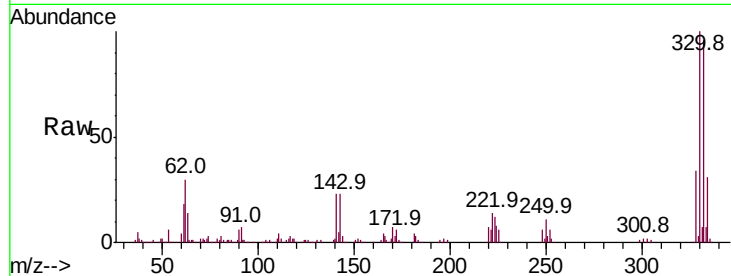
#42
 2,4,6-Tribromophenol
 Concen: 94.080 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :
 NM58-COMP-2020-0-6

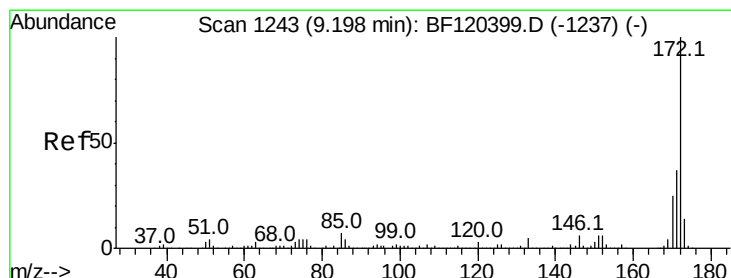
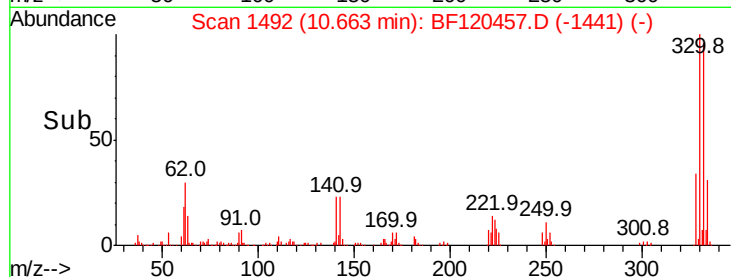
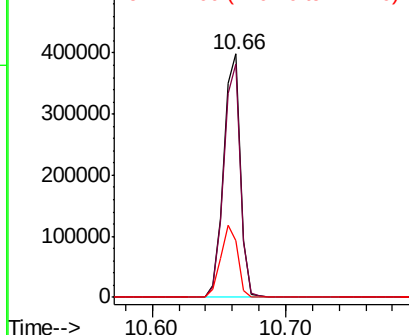
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.0	115.6	
141	30.3	25.3	37.9	

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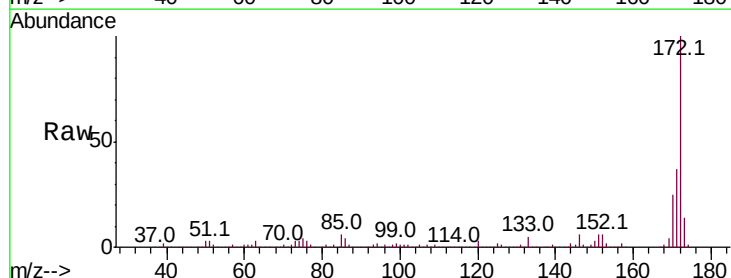


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

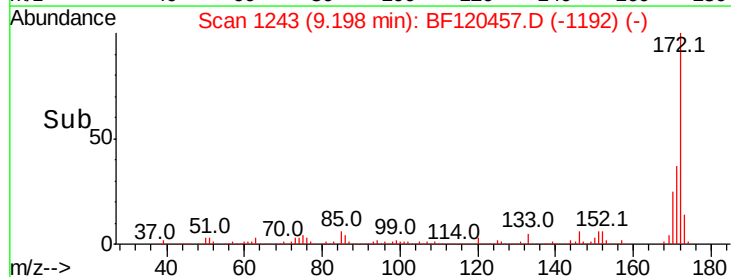
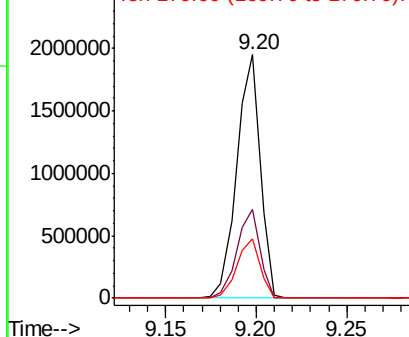


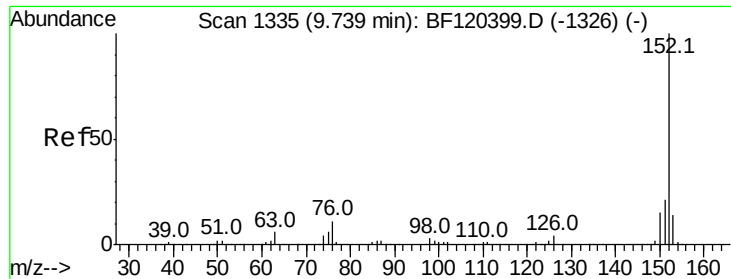
#45
 2-Fluorobiphenyl
 Concen: 73.259 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.7	29.7	44.5	
170	24.6	19.9	29.9	



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: 3.596 ng

RT: 9.73 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

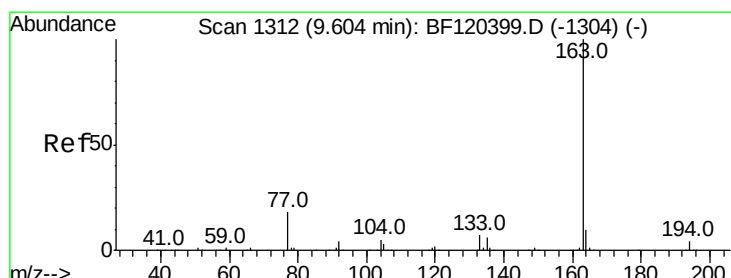
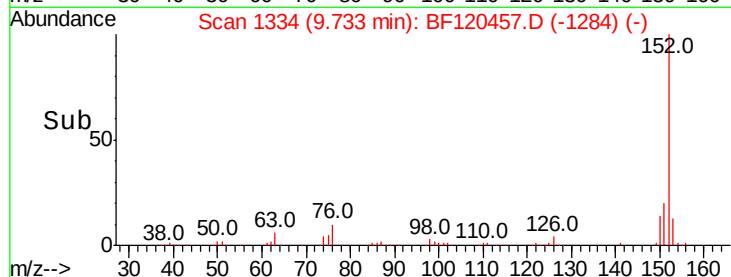
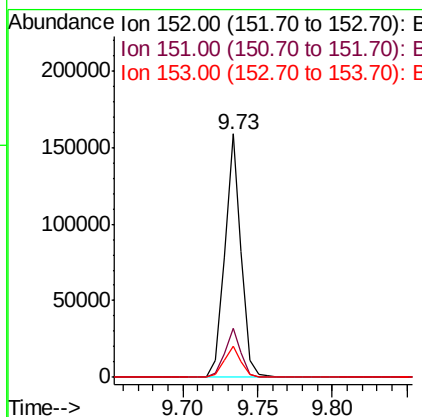
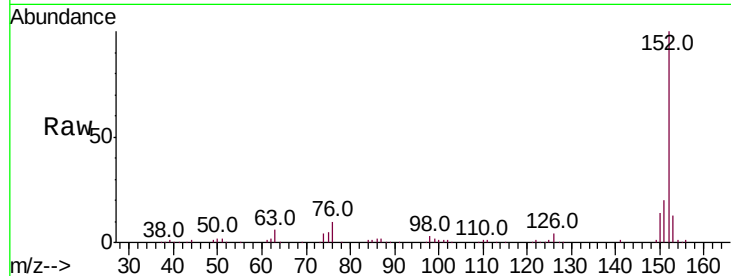
ClientSampleId :

NM58-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
152	100	122231		
151	19.9	16.8	25.2	
153	13.0	11.2	16.8	

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#50

Dimethylphthalate

Concen: 11.126 ng

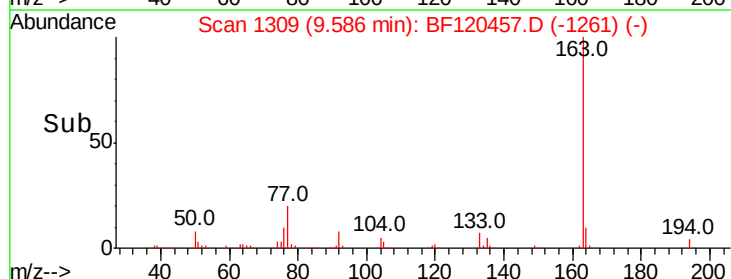
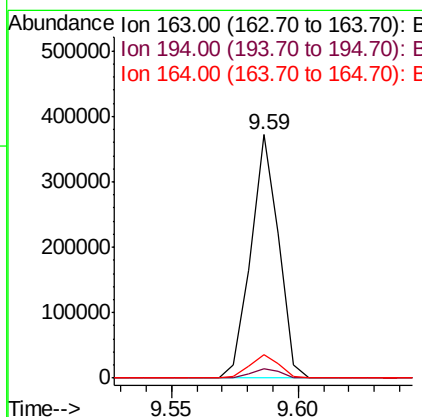
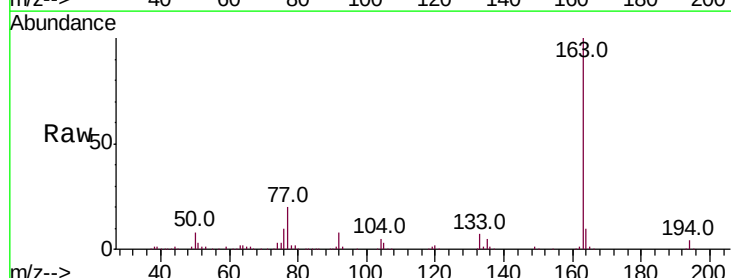
RT: 9.59 min Scan# 1309

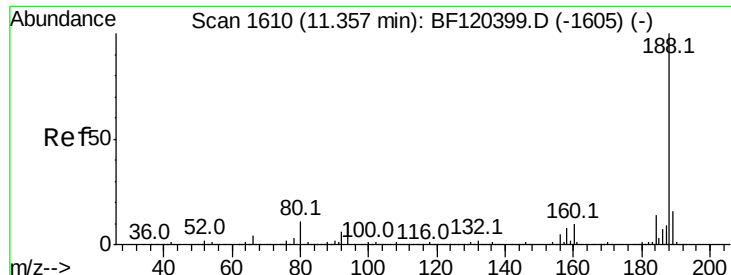
Delta R.T. -0.02 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	282827		
194	3.7	3.3	4.9	
164	9.9	8.3	12.5	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

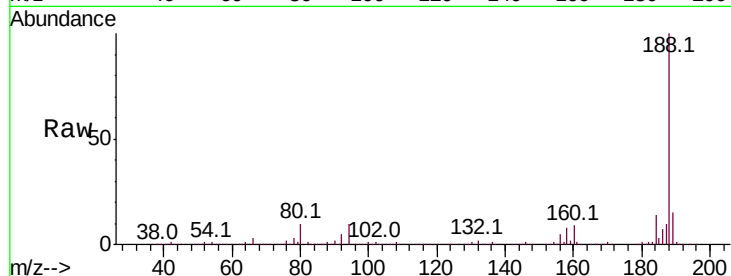
ClientSampleId :

NM58-COMP-2020-0-6

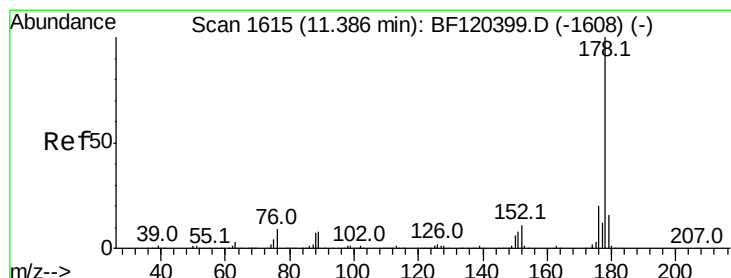
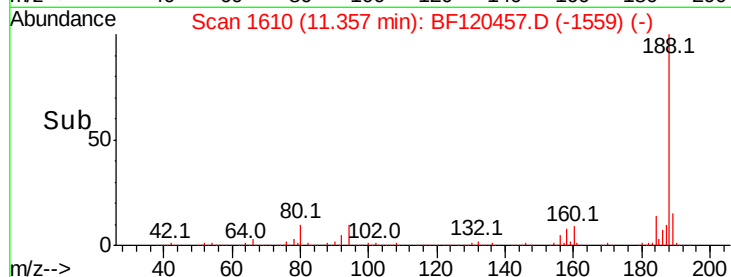
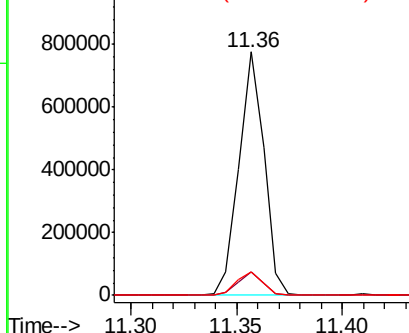
Tot Ion:	188	Resp:	638269
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.9	11.9
80	9.9	8.6	13.0

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 21.851 ng

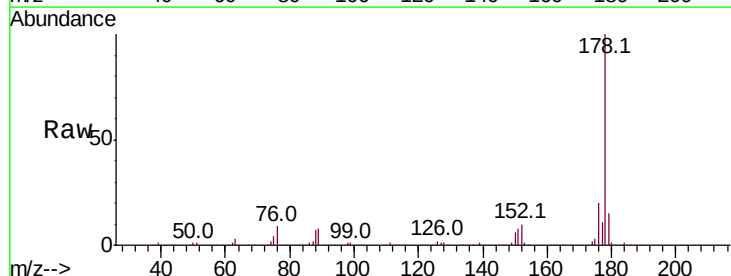
RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

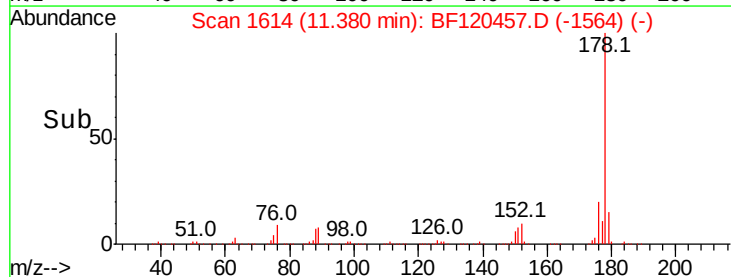
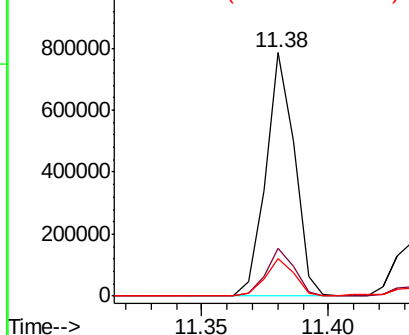
Lab File: BF120457.D

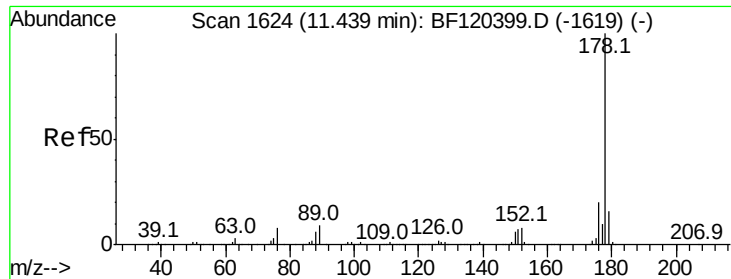
Acq: 29 May 2020 23:29

Tgt Ion:	178	Resp:	614531
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.4	24.6
179	15.4	13.0	19.4



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





#72

Anthracene

Concen: 4.930 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

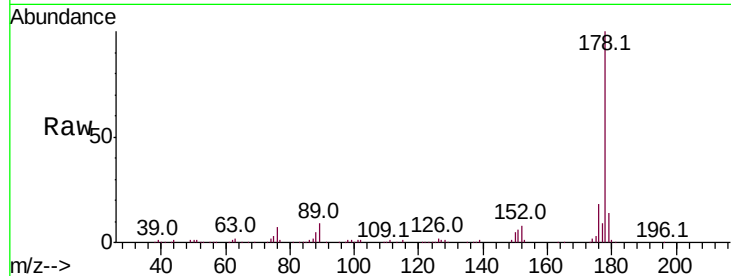
ClientSampleId :

NM58-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	14.3	12.8	19.2

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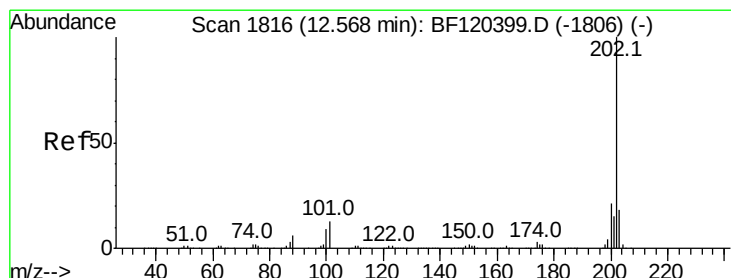
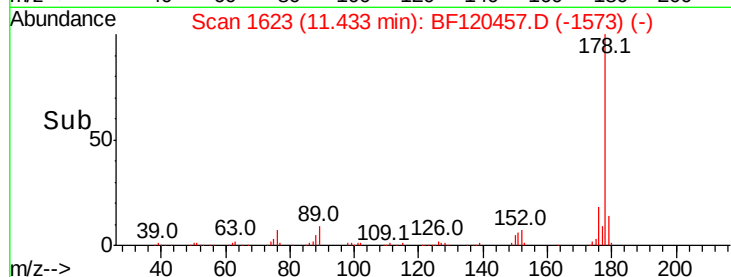
Abundance

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

Time-->



#75

Fluoranthene

Concen: 42.453 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.6
203	18.2	0.0	38.4

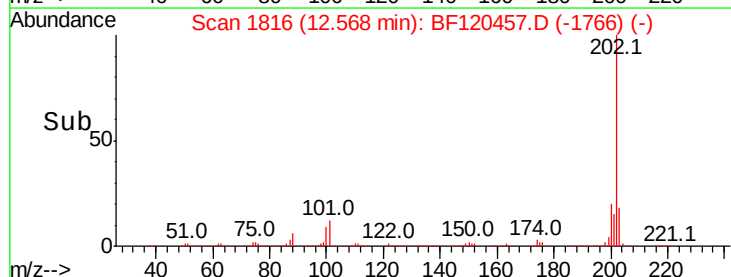
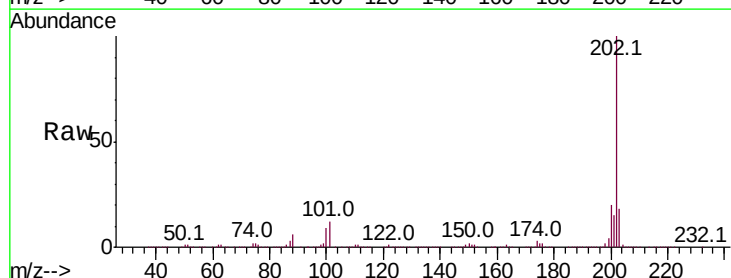
Abundance

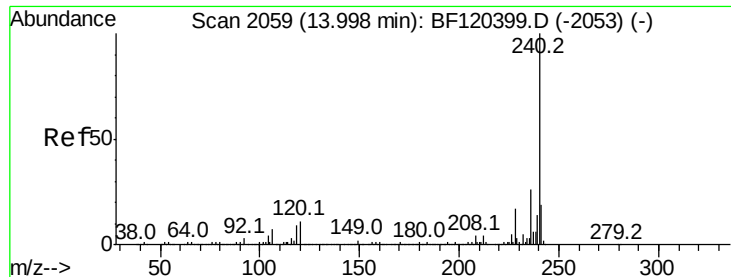
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





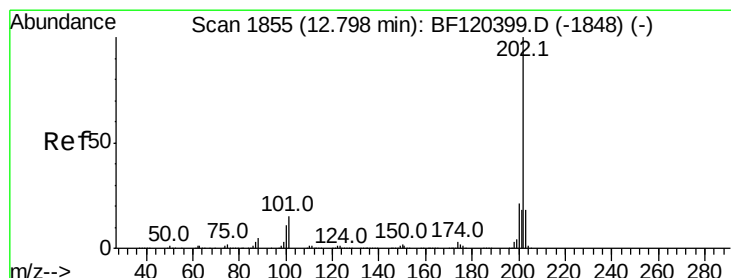
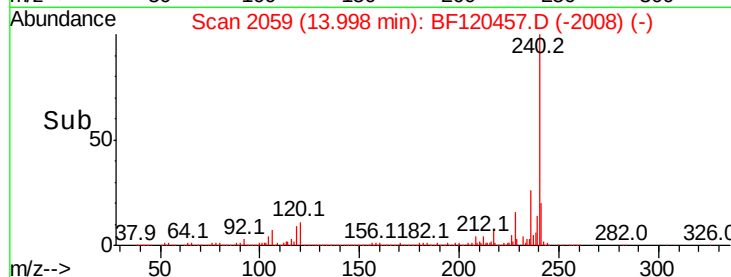
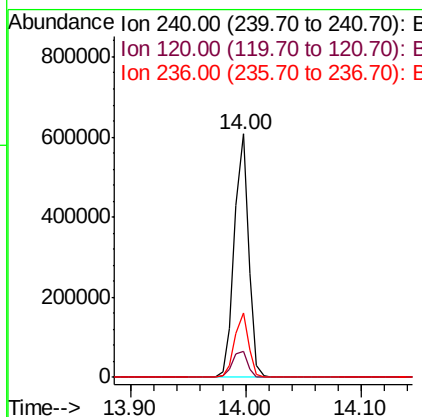
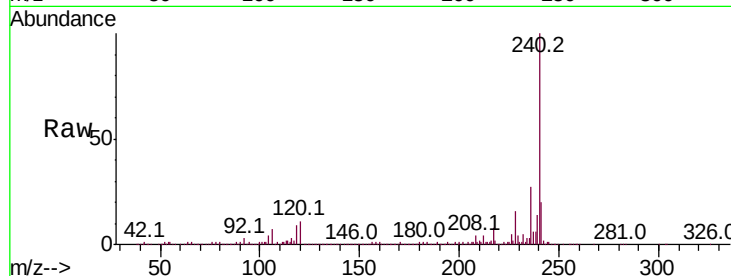
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :
NM58-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	26.6	21.0	31.4

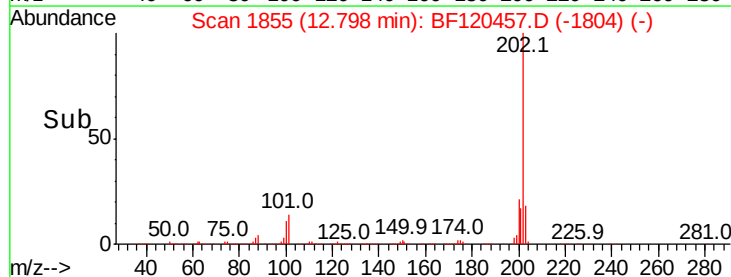
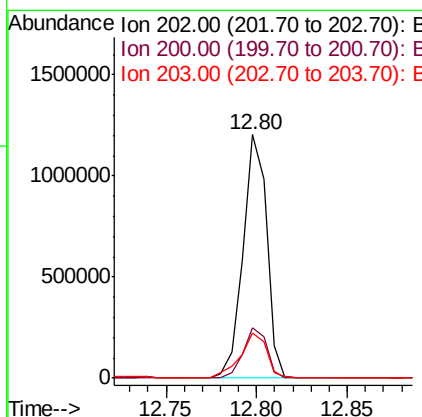
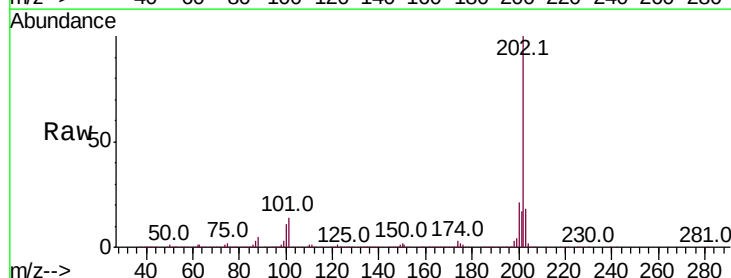
Manual Integrations
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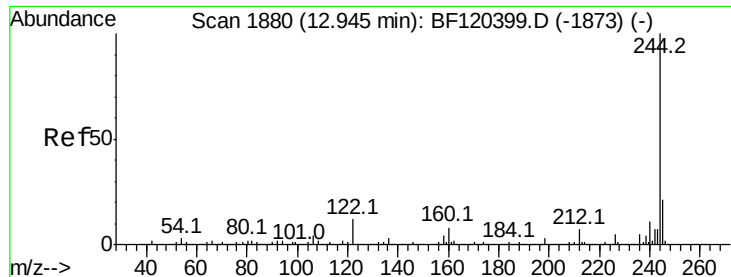
mohammad
6/1/2020 12:21:52 PM



#78
Pyrene
Concen: 30.187 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.3	14.7	22.1





#79

Terphenyl-d14

Concen: 66.410 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

Instrument :

BNA_F

ClientSampleId :

NM58-COMP-2020-0-6

Tot Ion:244 Resp: 1556067

Ion Ratio Lower Upper

244 100

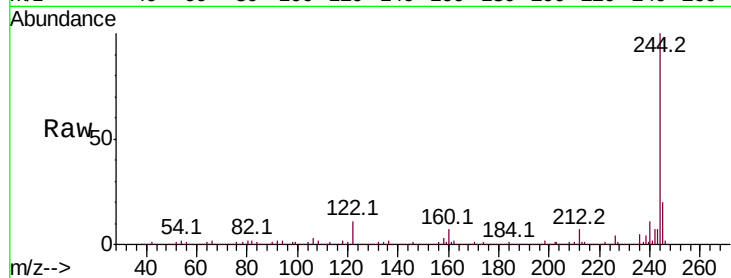
212 6.7 5.9 8.9

122 11.0 9.2 13.8

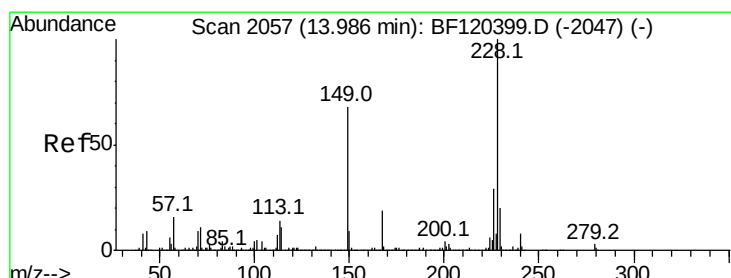
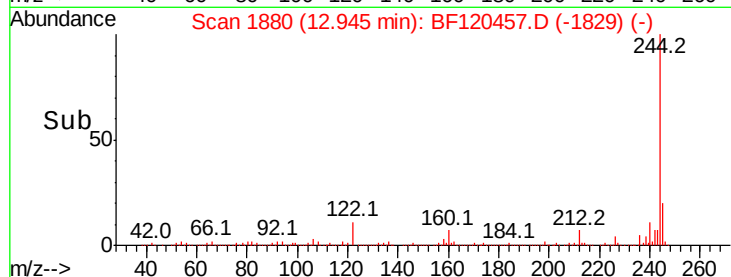
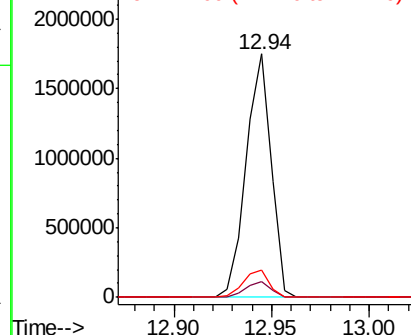
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 22.983 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF120457.D

Acq: 29 May 2020 23:29

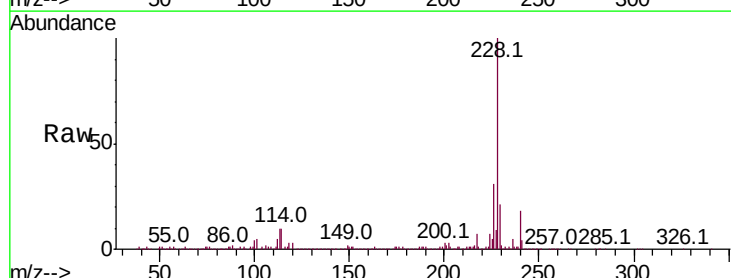
Tgt Ion:228 Resp: 642234

Ion Ratio Lower Upper

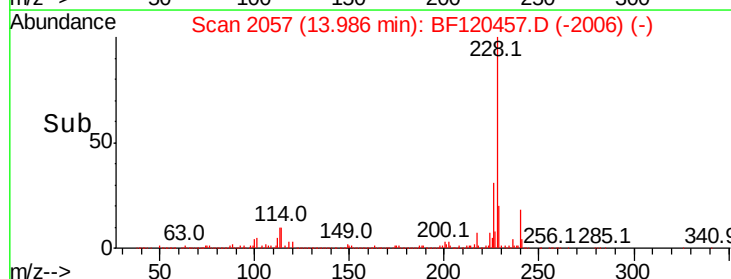
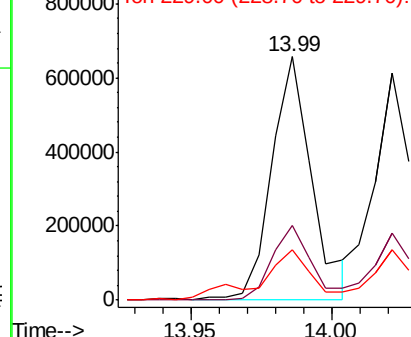
228 100

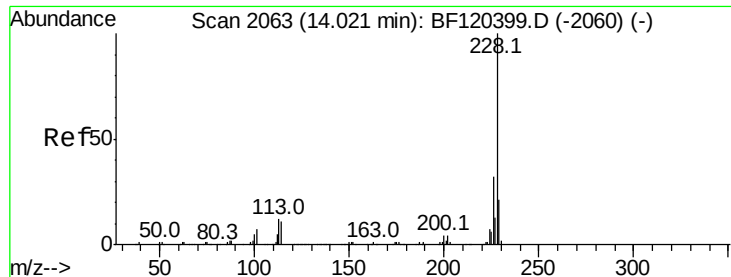
226 30.7 23.0 34.4

229 20.6 16.2 24.4



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





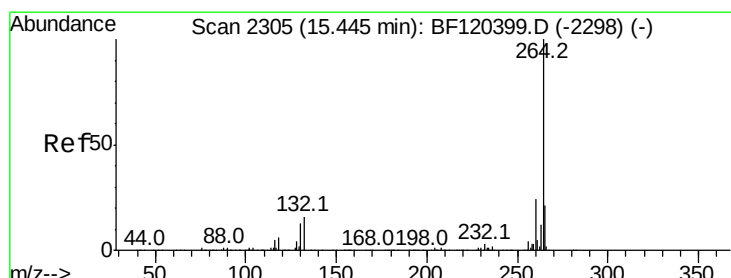
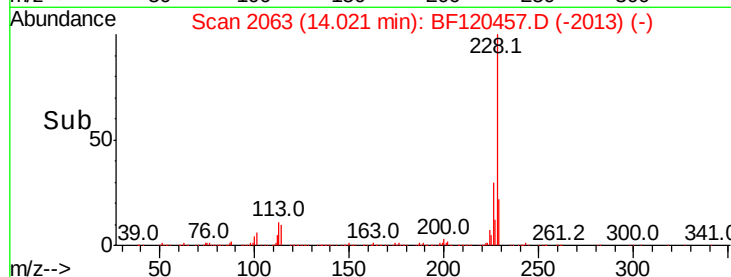
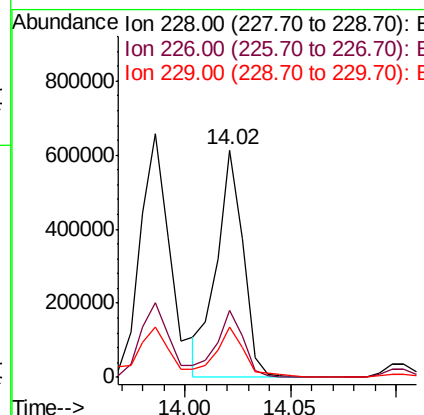
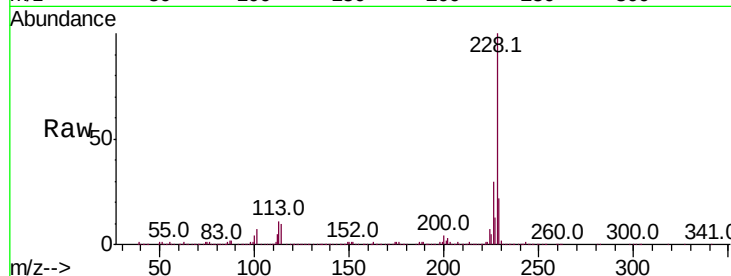
#83
Chrysene
Concen: 18.185 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :
NM58-COMP-2020-0-6

Tot Ion:	228	Resp:	532764
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.6	38.4
229	22.4	16.6	25.0

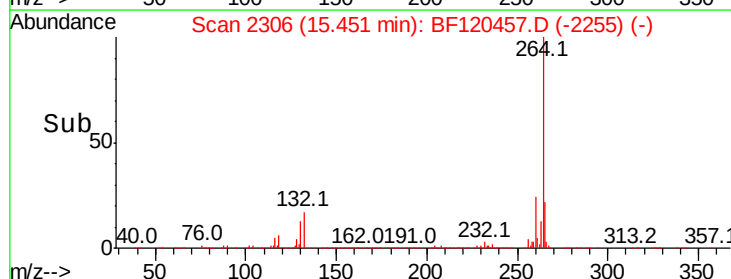
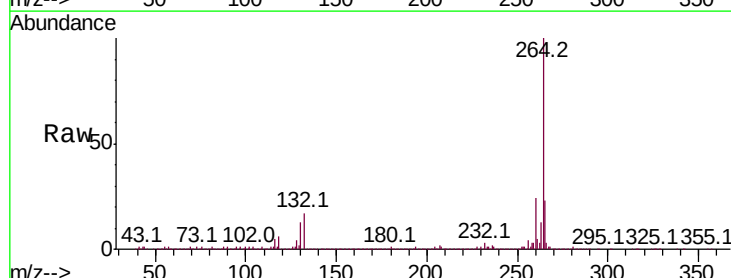
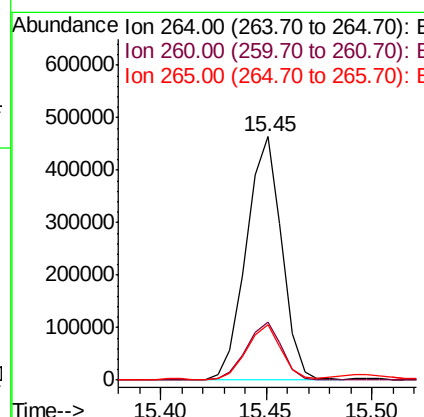
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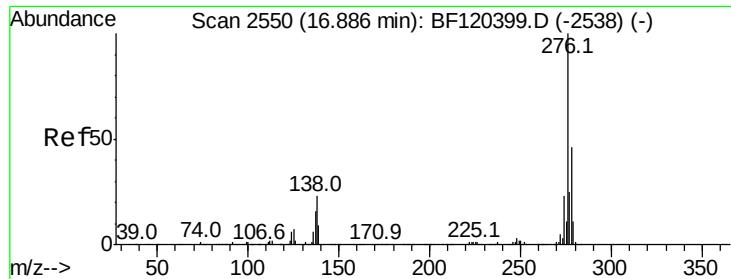
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion:	264	Resp:	538819
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.6	16.9	25.3





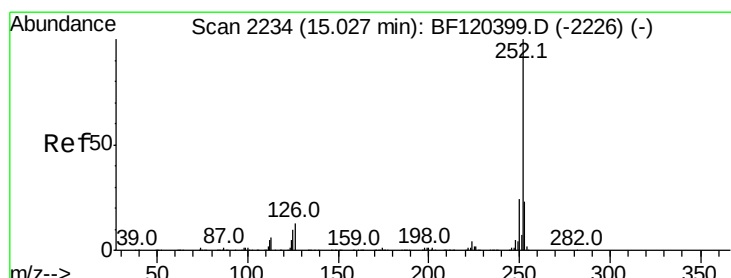
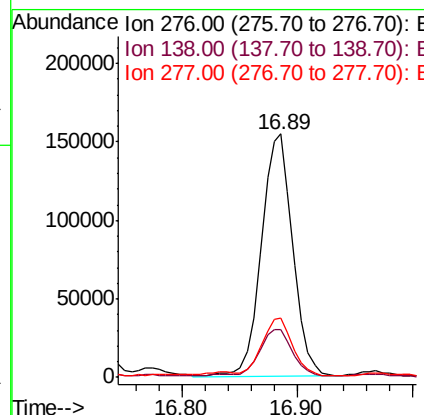
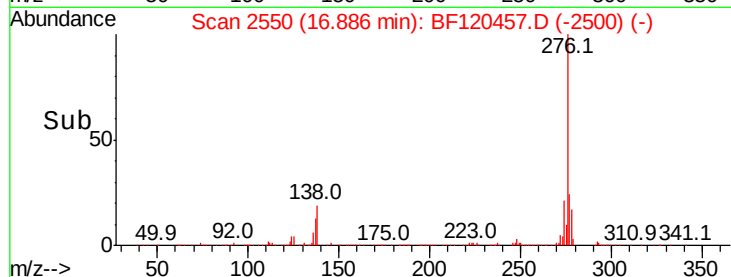
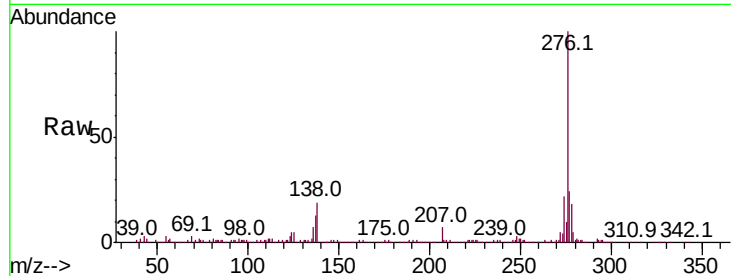
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.890 ng
 RT: 16.89 min Scan# 2550
 Delta R.T. -0.01 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Instrument :
 BNA_F
 ClientSampleId :
 NM58-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
276	100	291466		
138	20.7		20.4	30.6
277	23.5		20.4	30.6

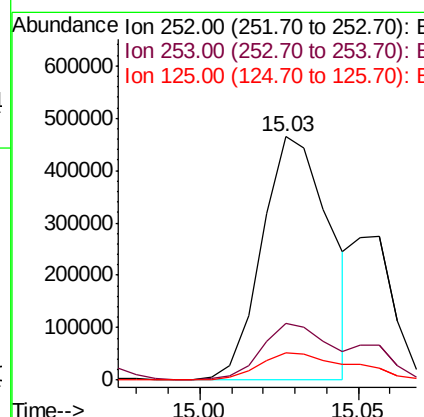
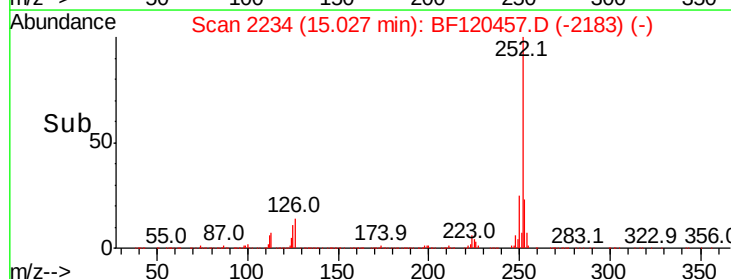
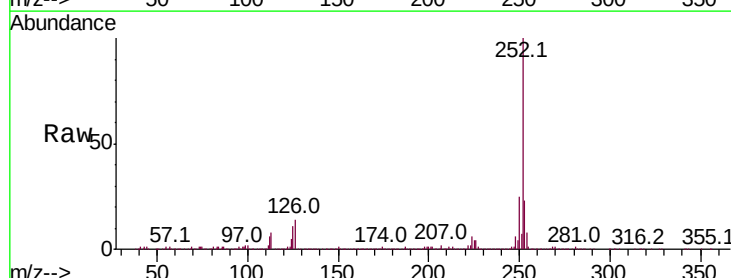
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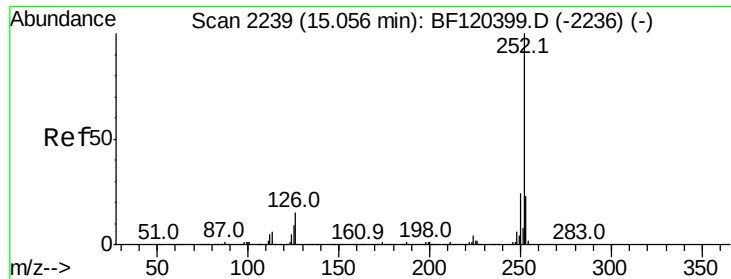
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 22.933 ng m
 RT: 15.03 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF120457.D
 Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	686329		
253	23.1		18.1	27.1
125	11.2		7.8	11.8





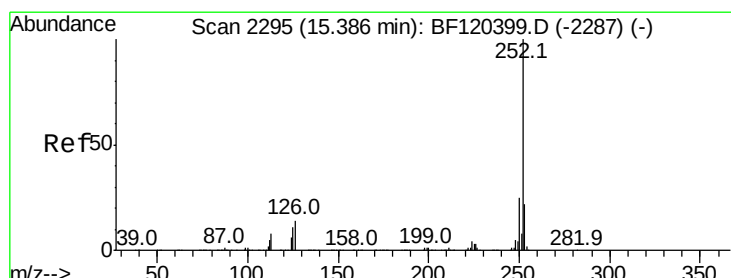
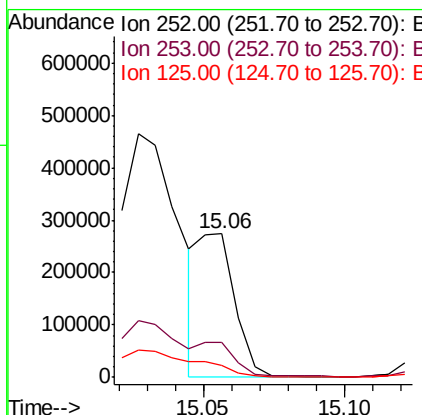
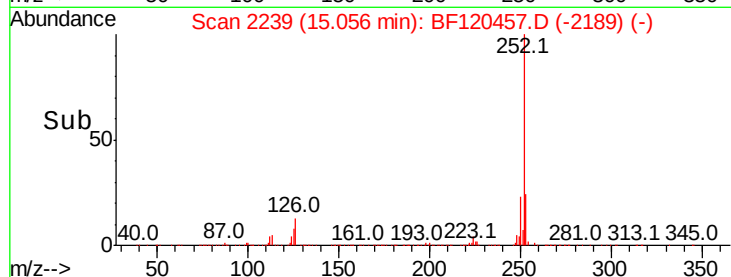
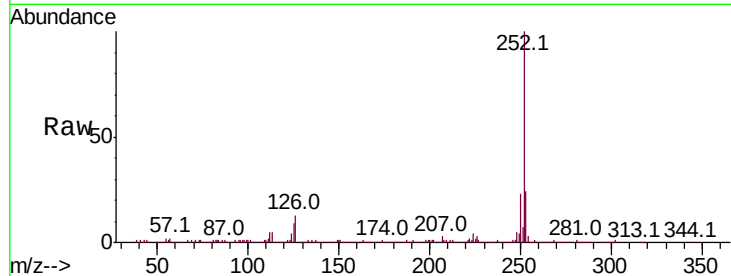
#89
Benzo(k)fluoranthene
Concen: 8.531 ng m
RT: 15.06 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :
NM58-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
252	100	238342		
253	24.0	18.5	27.7	
125	8.7	8.0	12.0	

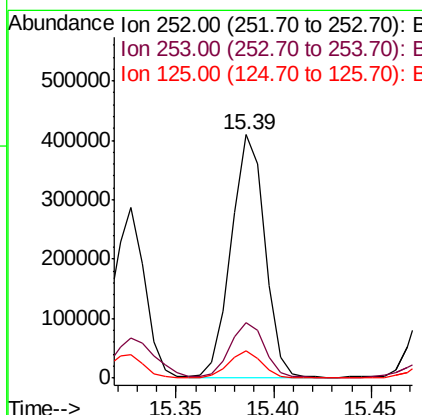
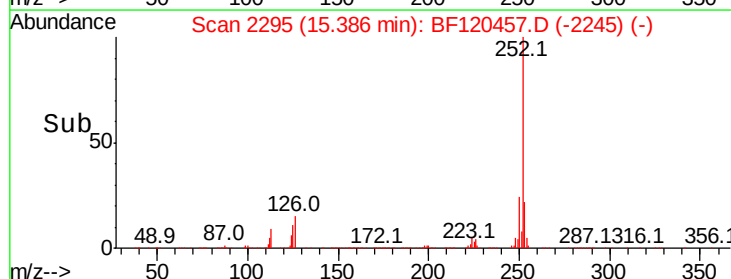
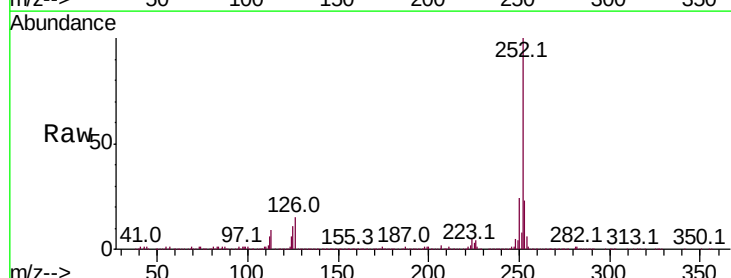
Manual Integrations
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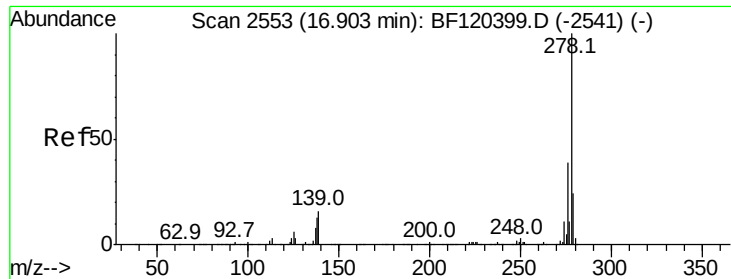
mohammad
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#90
Benzo(a)pyrene
Concen: 18.602 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	486952		
253	22.7	17.4	26.0	
125	11.0	8.7	13.1	





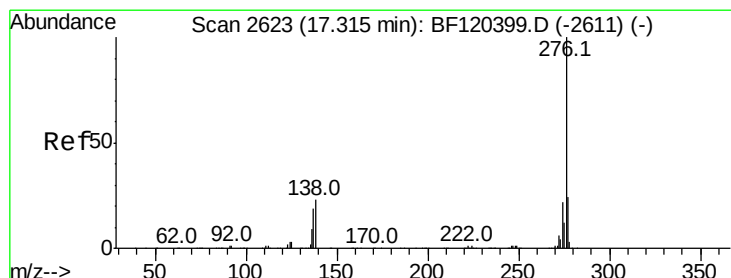
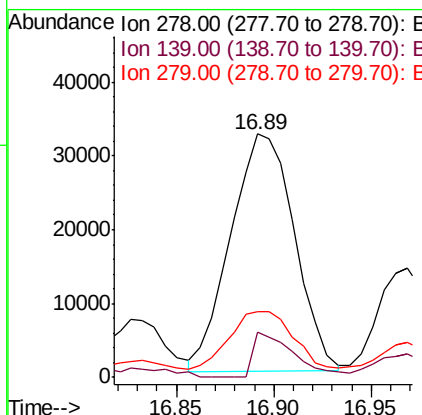
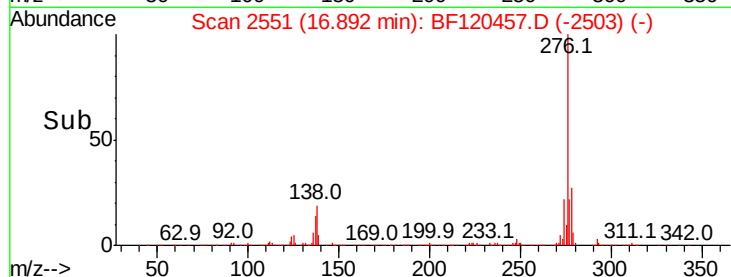
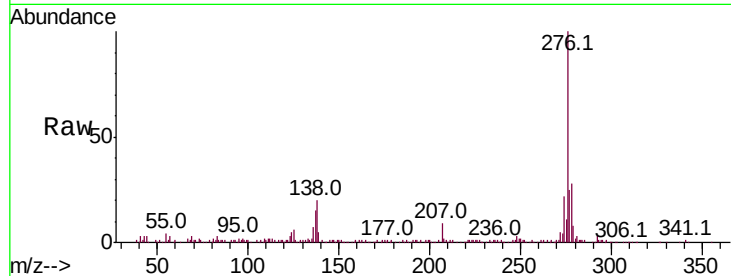
#91
Dibenzo(a,h)anthracene
Concen: 3.016 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.02 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Instrument :
BNA_F
ClientSampleId :
NM58-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	12.8	19.2
279	27.2	19.0	28.4

Manual Integrations
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6/1/2020 12:21:52 PM



#92
Benzo(g,h,i)perylene
Concen: 10.778 ng
RT: 17.32 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF120457.D
Acq: 29 May 2020 23:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	21.8	18.1	27.1

