

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120456.D
 Acq On : 29 May 2020 23:02
 Operator : MA/SJ
 Sample : L2792-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM96-COMP-2020-0-6

Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:21:49 PM

Quant Time: May 30 05:06:42 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	276483	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	975732	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	444747	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	683577	20.00	ng	0.00
76) Chrysene-d12	13.99	240	545642	20.00	ng	0.00
86) Perylene-d12	15.44	264	548891	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1529799	105.45	ng	0.00
7) Phenol-d6	6.47	99	1921638	107.46	ng	0.00
23) Nitrobenzene-d5	7.40	82	1240561	83.17	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	438929	106.52	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2127236	81.15	ng	0.00
79) Terphenyl-d14	12.94	244	1820788	74.26	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	277467	9.979	ng	99
71) Phenanthrene	11.38	178	297499	9.877	ng	98
72) Anthracene	11.43	178	86482	2.862	ng	96
75) Fluoranthene	12.57	202	468264	14.448	ng	97
78) Pyrene	12.80	202	429725	11.325	ng	98
81) Benzo(a)anthracene	13.98	228	233453	7.983	ng	99
83) Chrysene	14.02	228	217903	7.108	ng	96
87) Indeno(1,2,3-cd)pyrene	16.88	276	111059	3.699	ng	94
88) Benzo(b)fluoranthene	15.03	252	297933m	9.772	ng	
89) Benzo(k)fluoranthene	15.05	252	69711m	2.449	ng	
90) Benzo(a)pyrene	15.39	252	192051	7.202	ng	99
92) Benzo(a,h,i)perylene	17.32	276	104576	4.332	ng	97

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

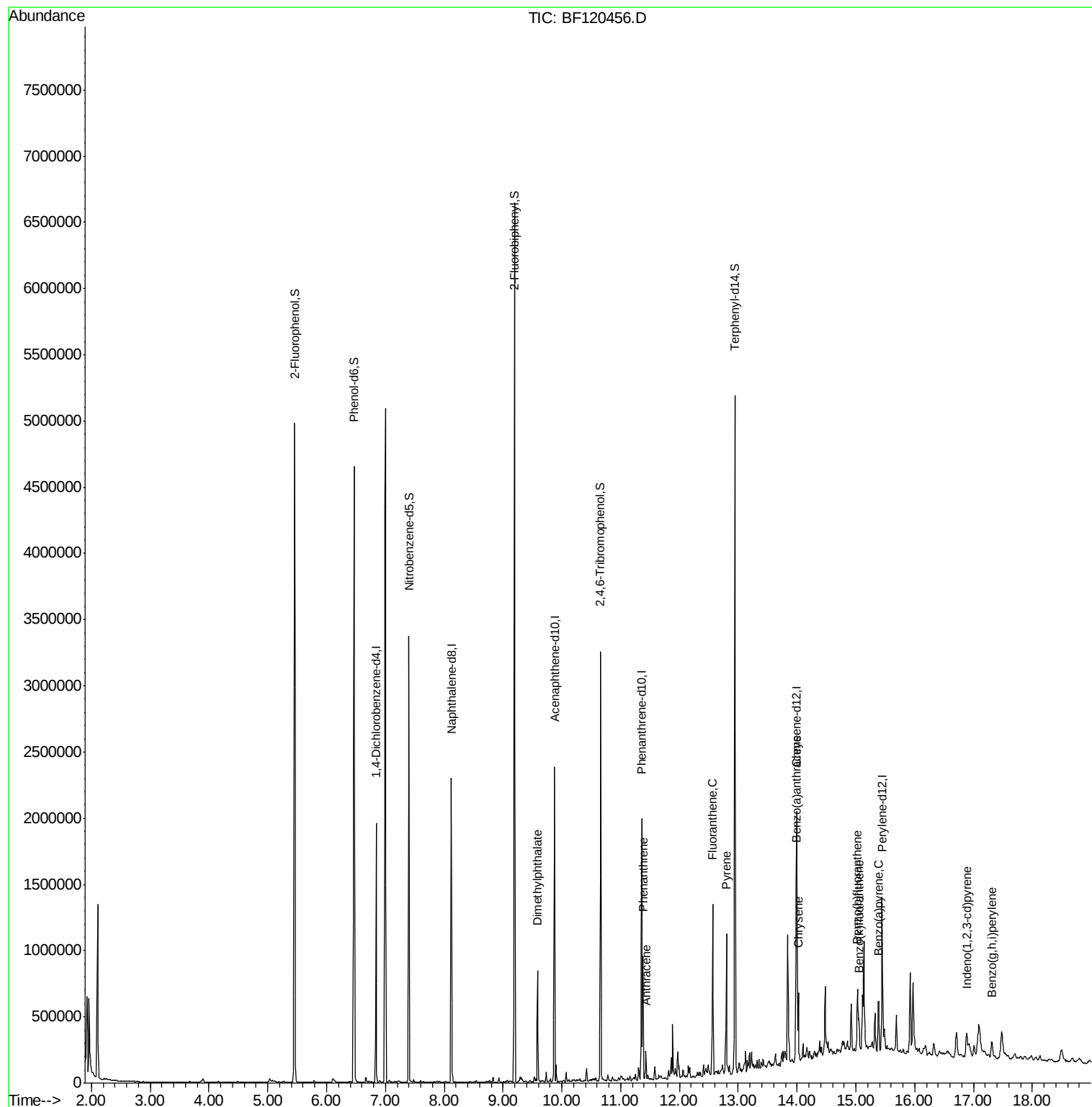
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
Data File : BF120456.D
Acq On : 29 May 2020 23:02
Operator : MA/SJ
Sample : L2792-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

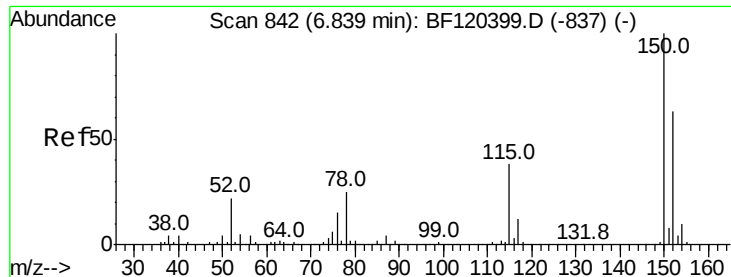
Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM

Quant Time: May 30 05:06:42 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





#1

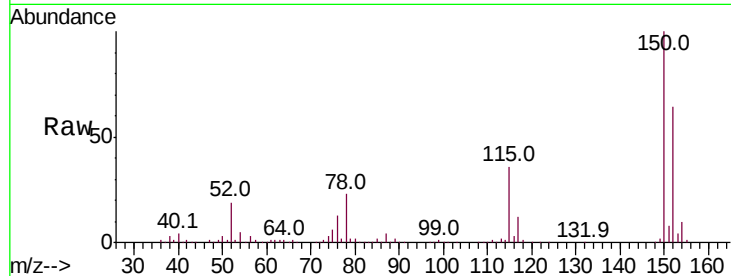
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. -0.00 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.5	189.7
115	55.6	47.6	71.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM

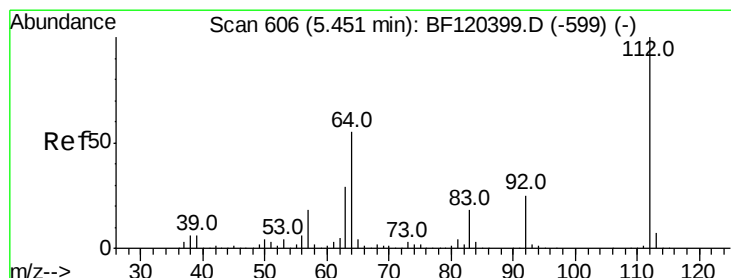
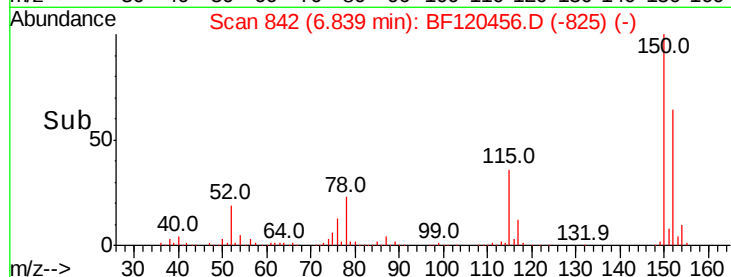
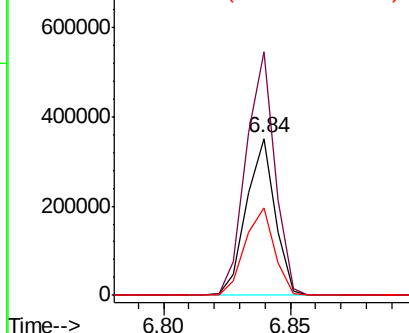


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

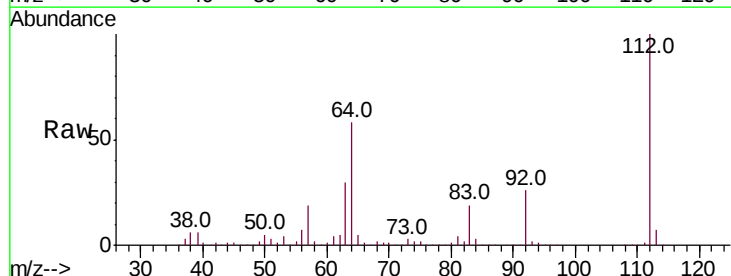
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.446 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.3	66.5
63	30.2	22.9	34.3

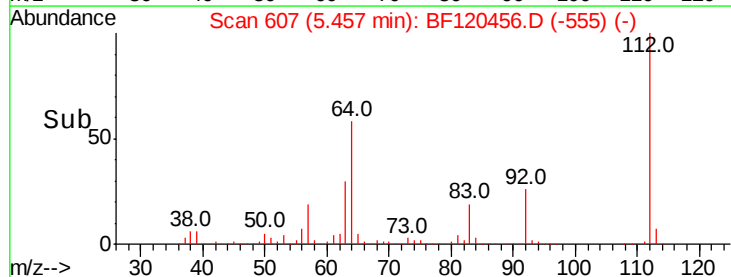
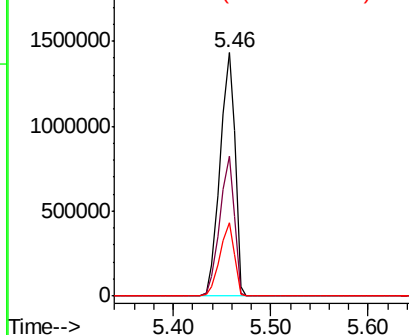


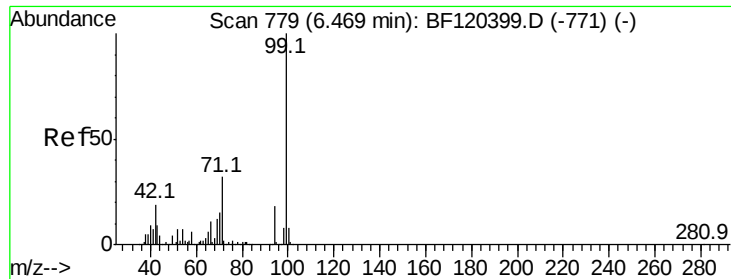
Abundance

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: 107.462 ng

RT: 6.47 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF120456.D

Acq: 29 May 2020 23:02

Instrument :

BNA_F

ClientSampleId :

NM96-COMP-2020-0-6

Tot Ion: 99 Resp: 1921638

Ion Ratio Lower Upper

99 100

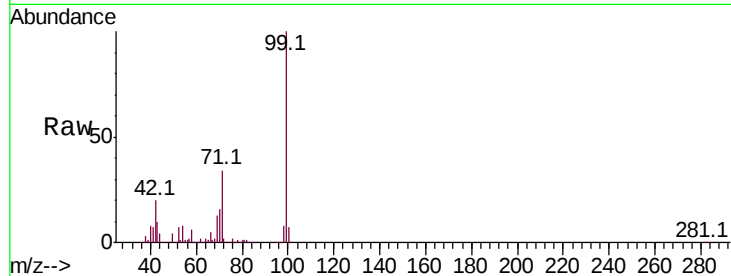
42 19.7 15.2 22.8

71 34.5 25.6 38.4

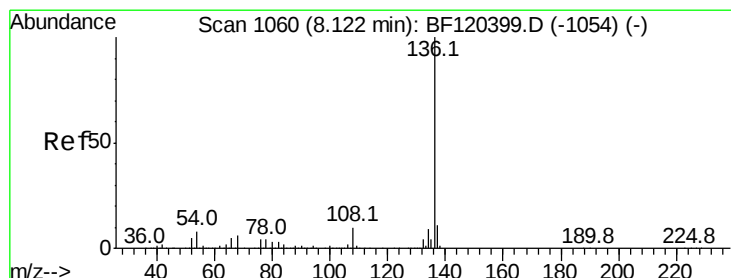
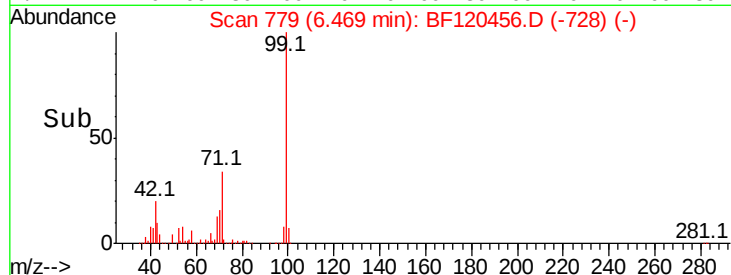
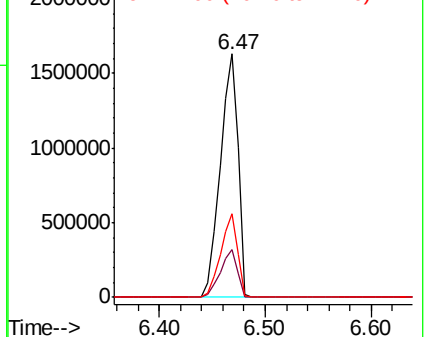
Manual Integrations
APPROVED

mohammad

6/1/2020 12:21:49 PM



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: BF120456.D

Acq: 29 May 2020 23:02

Tgt Ion: 136 Resp: 975732

Ion Ratio Lower Upper

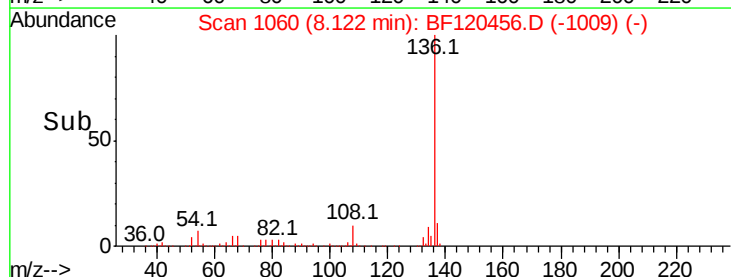
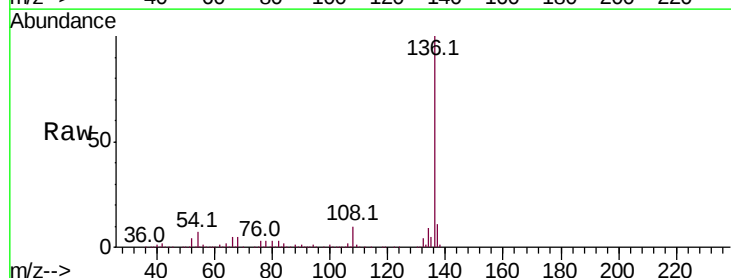
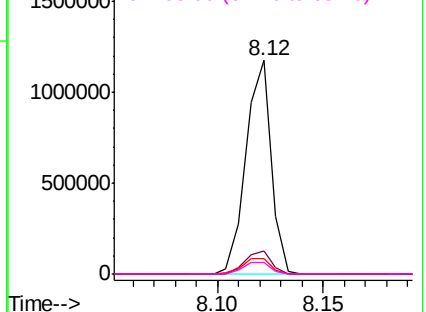
136 100

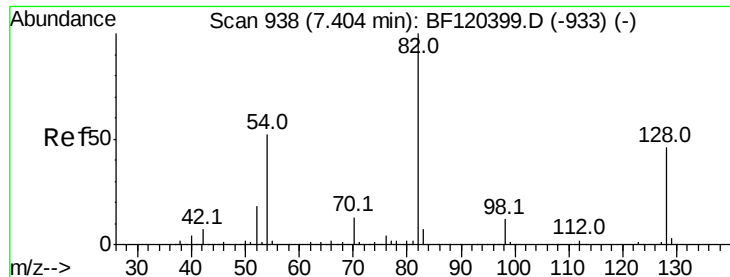
137 11.0 9.1 13.7

54 7.0 6.7 10.1

68 5.5 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





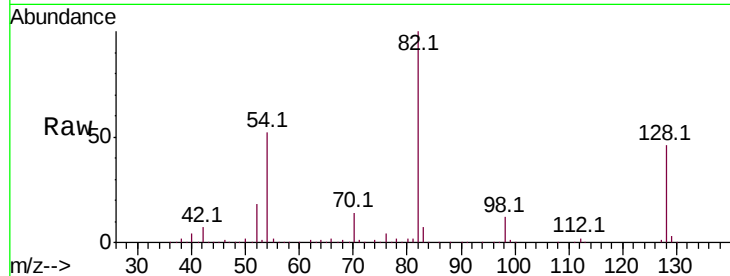
#23
Nitrobenzene-d5
Concen: 83.167 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

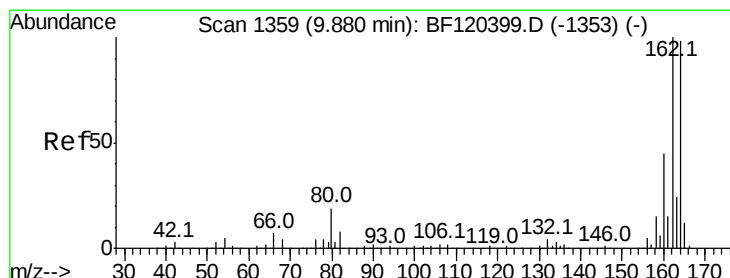
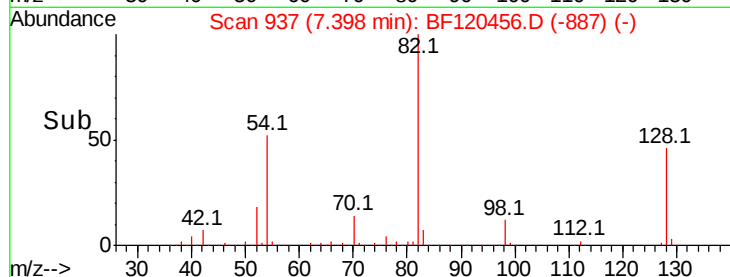
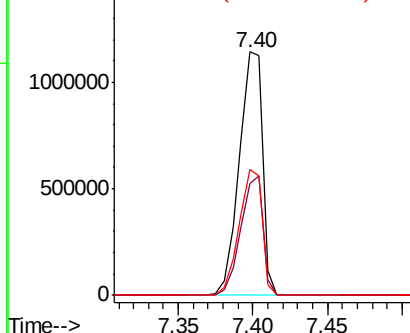
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.8	55.2
54	51.9	41.6	62.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM



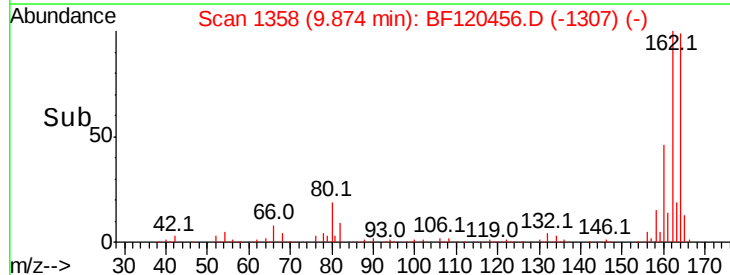
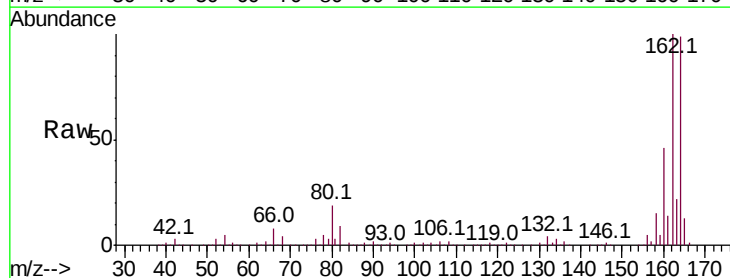
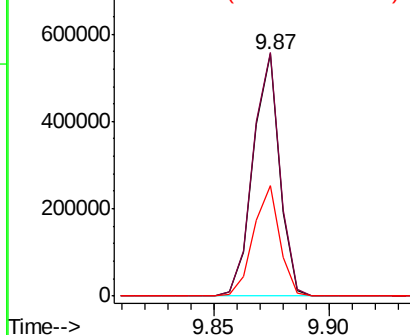
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

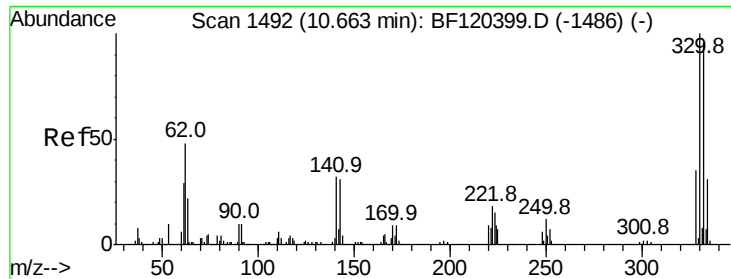


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.3	121.9
160	45.8	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





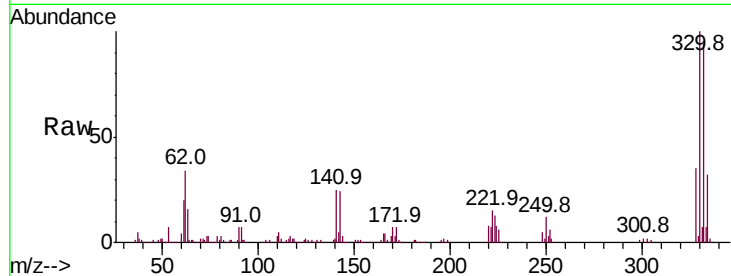
#42
 2,4,6-Tribromophenol
 Concen: 106.516 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: BF120456.D
 Acq: 29 May 2020 23:02

Instrument :
 BNA_F
 ClientSampleId :
 NM96-COMP-2020-0-6

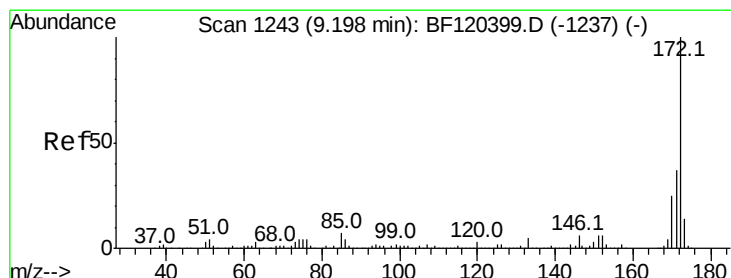
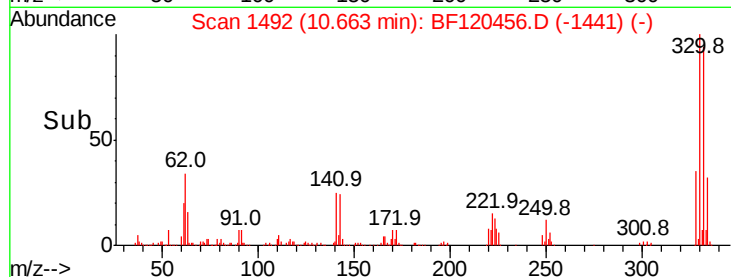
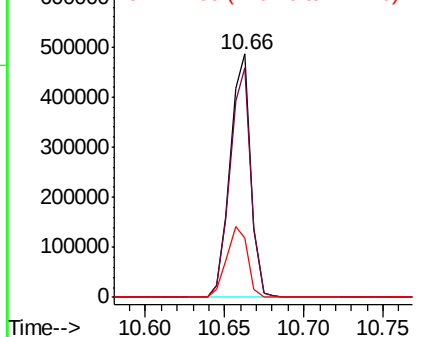
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	77.0	115.6	
141	30.0	25.3	37.9	

Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:21:49 PM



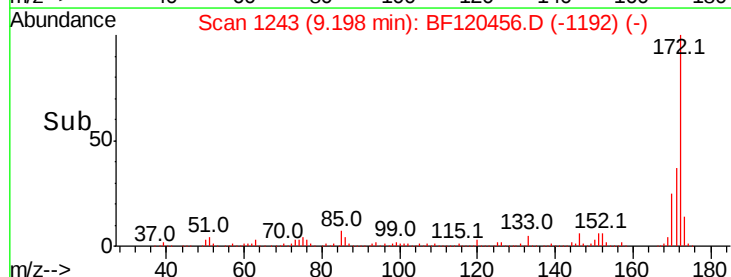
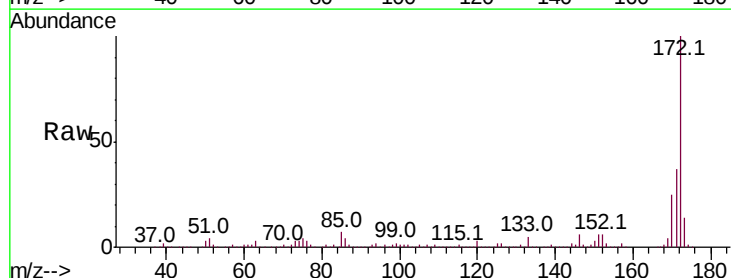
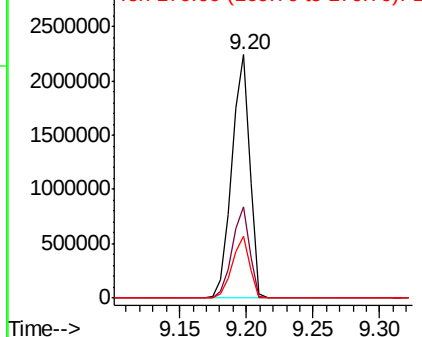
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

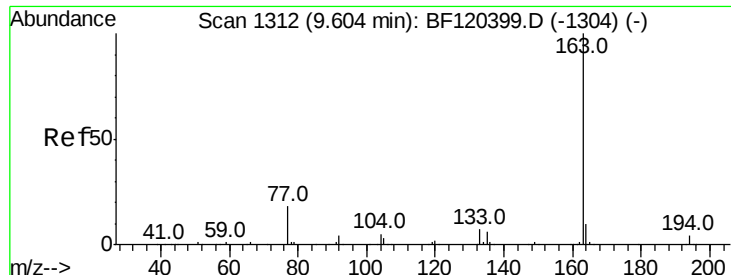


#45
 2-Fluorobiphenyl
 Concen: 81.153 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF120456.D
 Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.4	29.7	44.5	
170	25.1	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





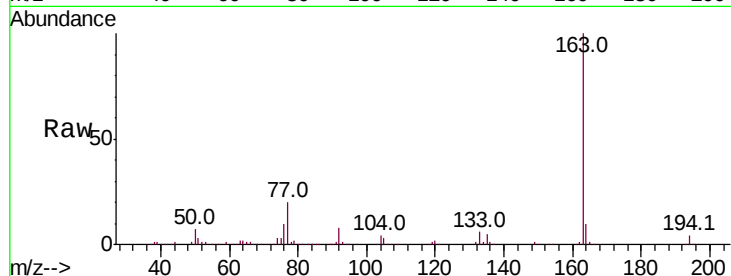
#50
Dimethylphthalate
Concen: 9.979 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

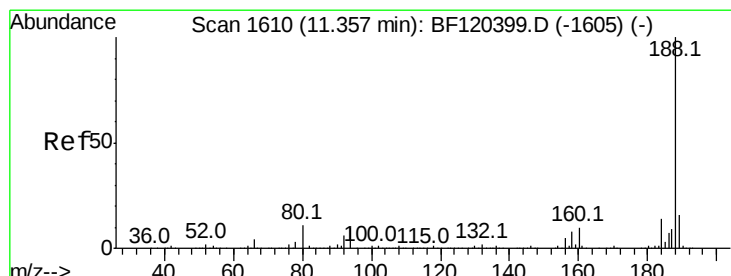
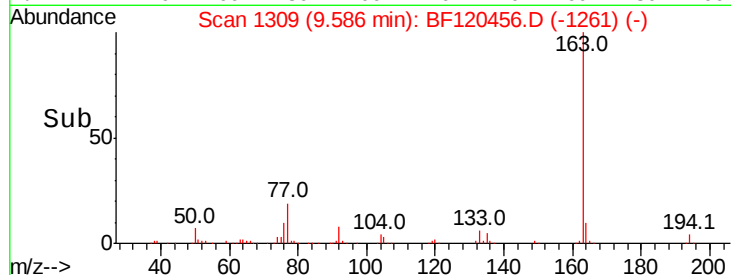
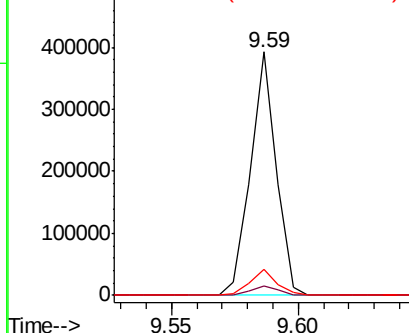
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.6	3.3	4.9		
164	10.5	8.3	12.5		

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM

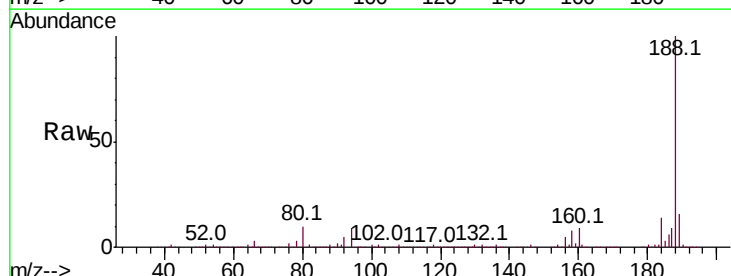


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

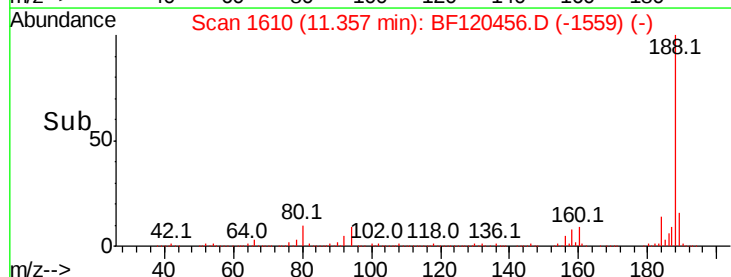
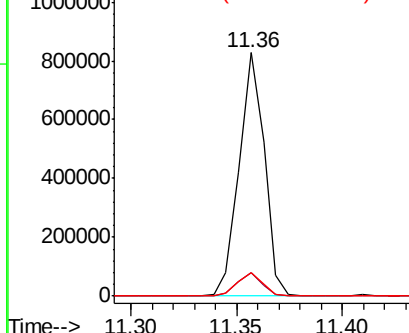


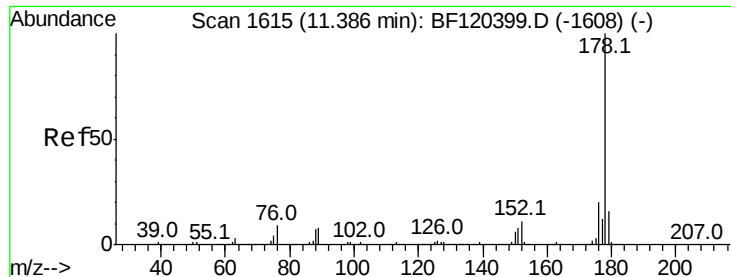
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.5	7.9	11.9		
80	9.9	8.6	13.0		



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: 9.877 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120456.D

Acq: 29 May 2020 23:02

Instrument :

BNA_F

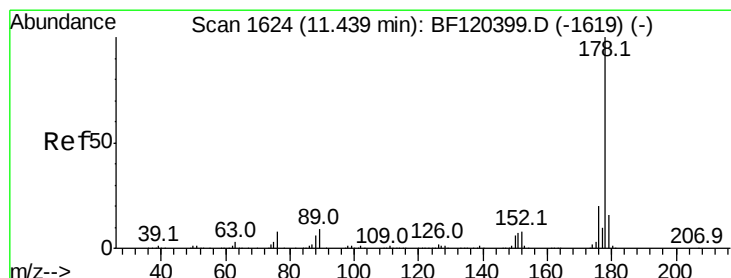
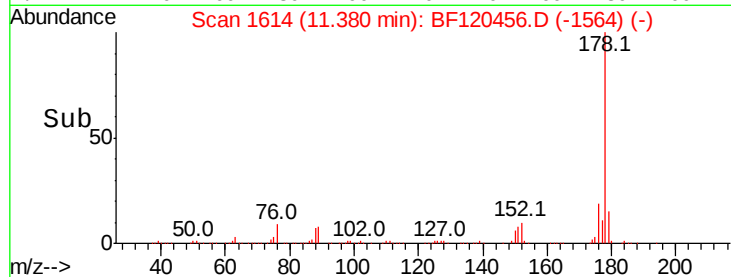
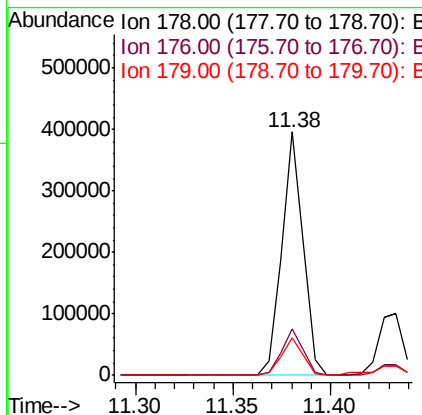
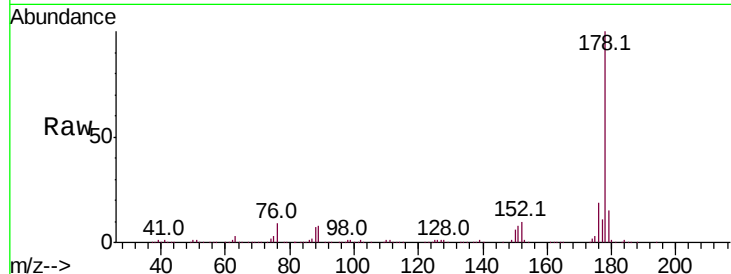
ClientSampleId :

NM96-COMP-2020-0-6

Tot Ion:	178	Resp:	297499
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.4	24.6
179	15.4	13.0	19.4

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM



#72

Anthracene

Concen: 2.862 ng

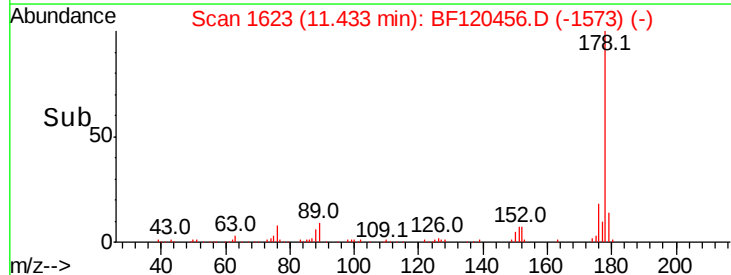
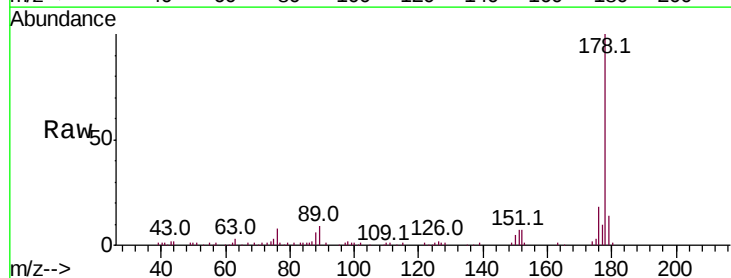
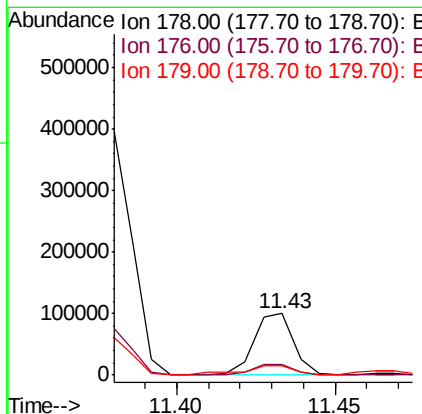
RT: 11.43 min Scan# 1623

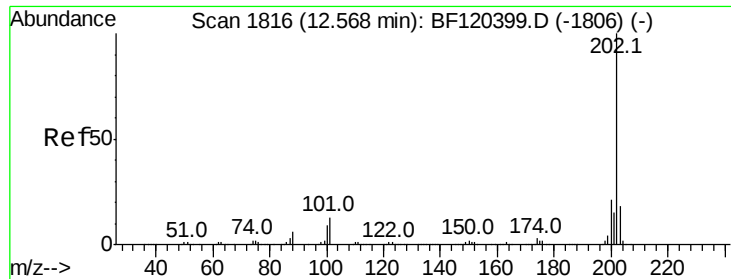
Delta R.T. -0.01 min

Lab File: BF120456.D

Acq: 29 May 2020 23:02

Tgt Ion:	178	Resp:	86482
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.8	23.6
179	14.4	12.8	19.2





#75

Fluoranthene

Concen: 14.448 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120456.D

Acq: 29 May 2020 23:02

Instrument :

BNA_F

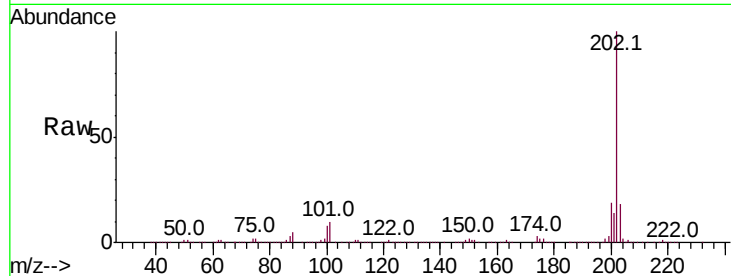
ClientSampleId :

NM96-COMP-2020-0-6

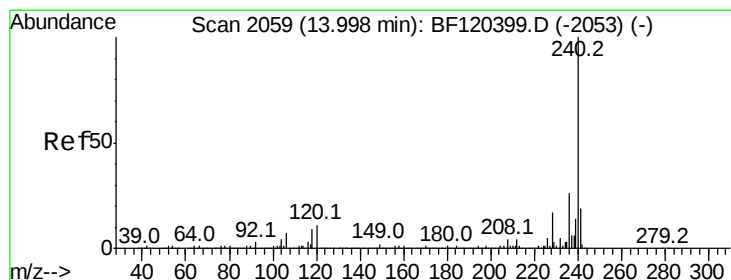
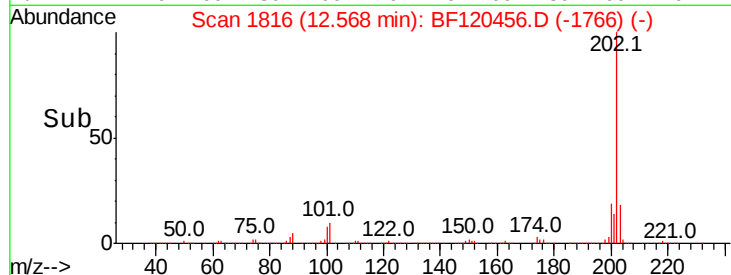
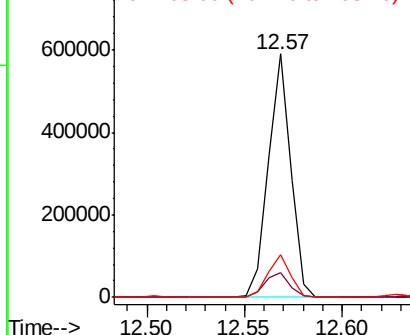
Tot Ion	Ratio	Resp	Lower	Upper
202	100	468264		
101	10.4	0.0	32.6	
203	17.7	0.0	38.4	

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM



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

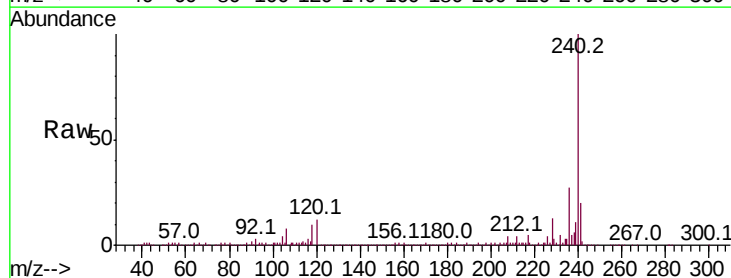
RT: 13.99 min Scan# 2058

Delta R.T. -0.01 min

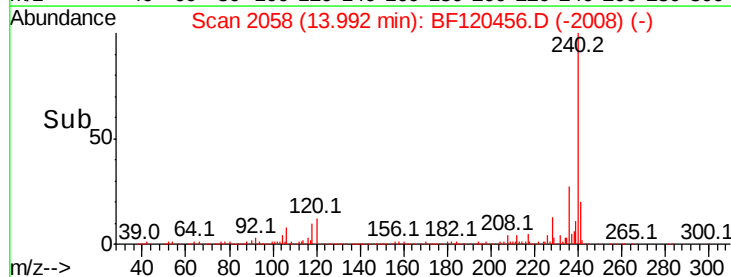
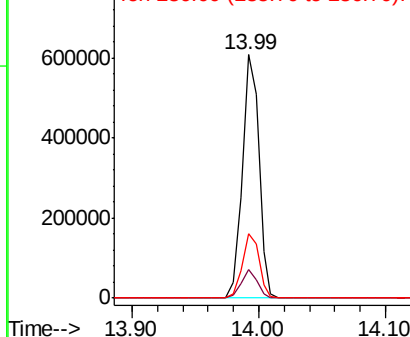
Lab File: BF120456.D

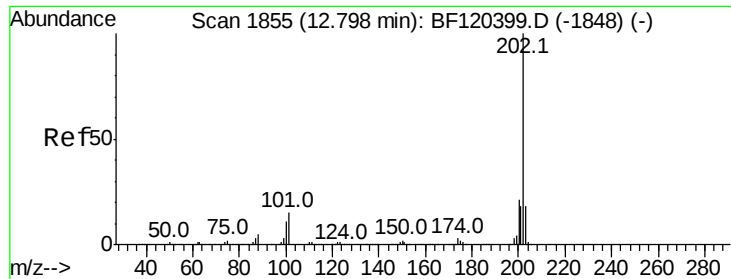
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	545642		
120	11.8	8.8	13.2	
236	26.6	21.0	31.4	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





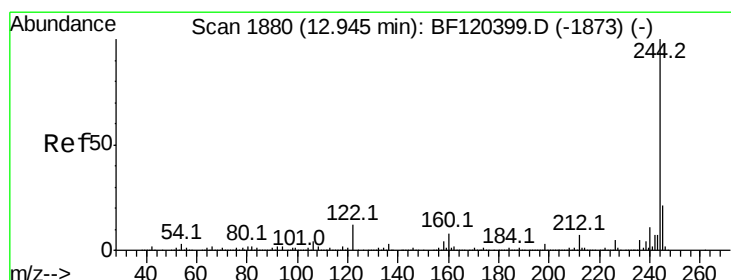
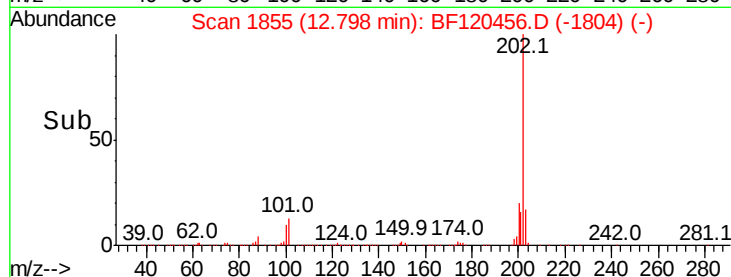
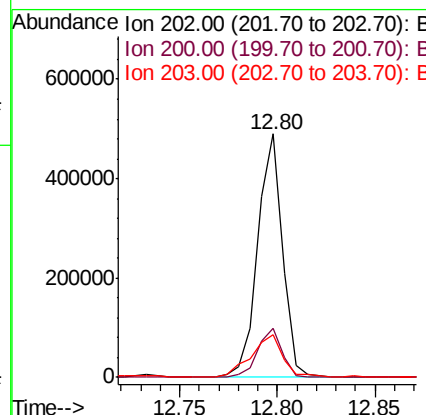
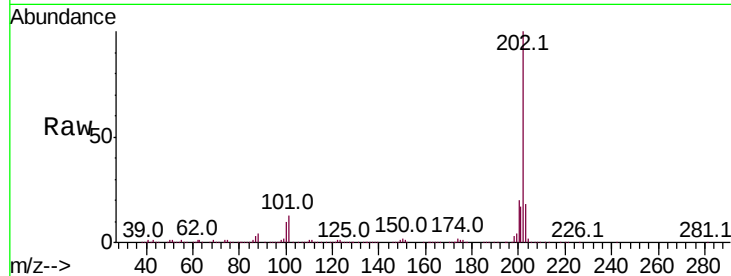
#78
Pvrene
Concen: 11.325 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.4
203	17.7	14.7	22.1

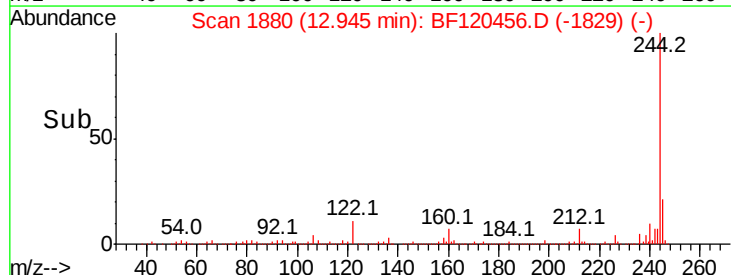
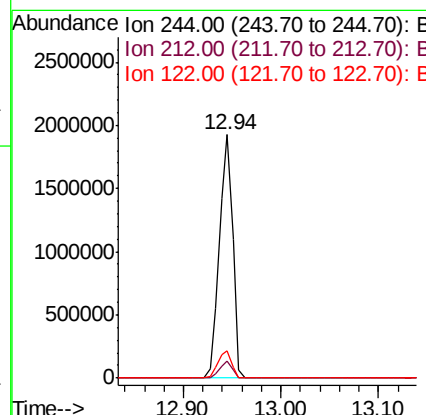
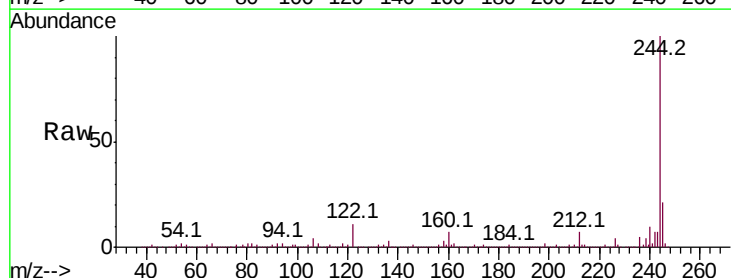
Manual Integrations
APPROVED

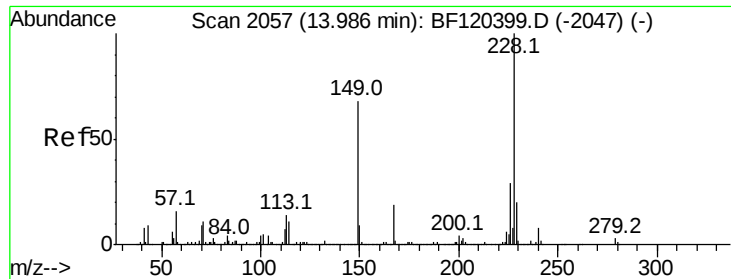
mohammad
6/1/2020 12:21:49 PM



#79
Terphenyl-d14
Concen: 74.255 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.00 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.3	9.2	13.8





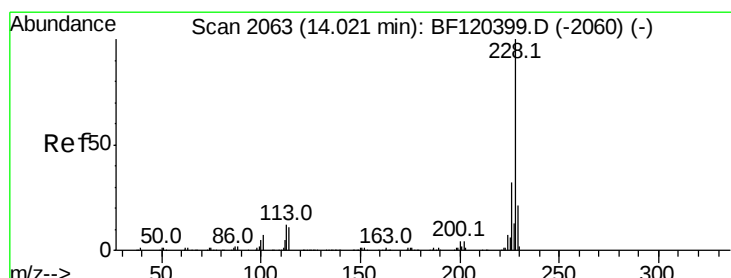
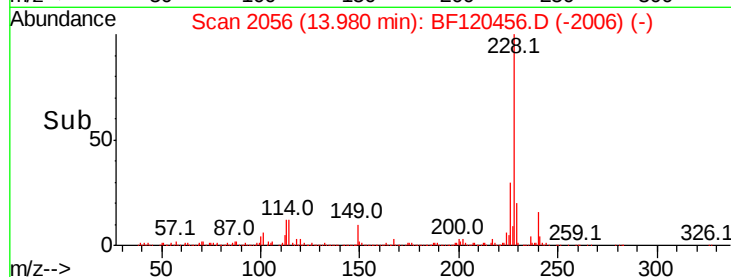
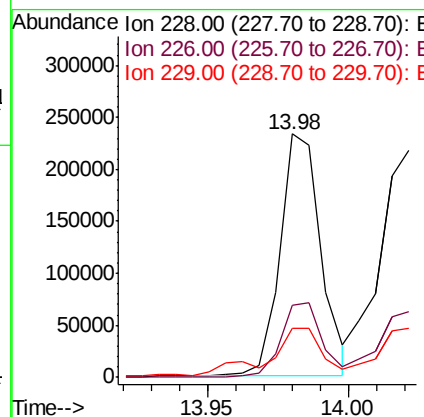
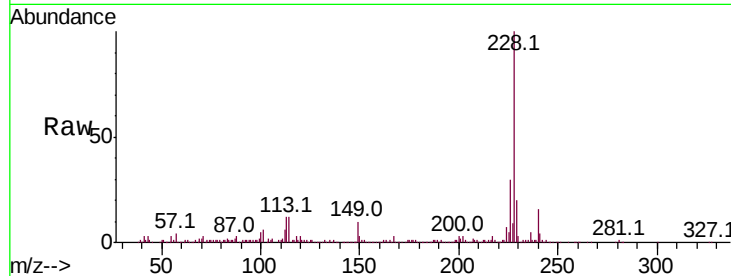
#81
Benzo(a)anthracene
Concen: 7.983 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.0	34.4
229	20.3	16.2	24.4

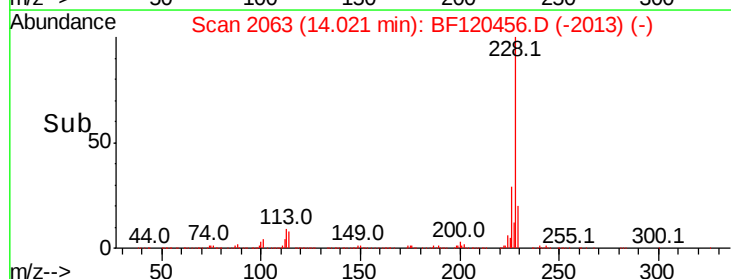
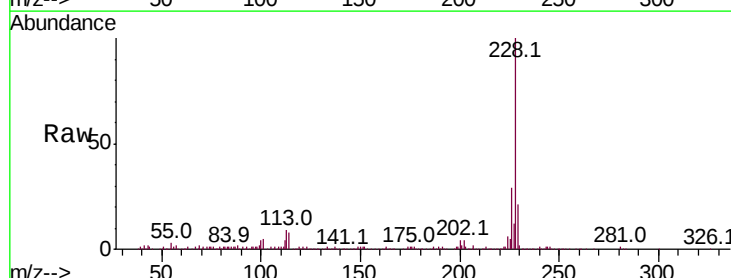
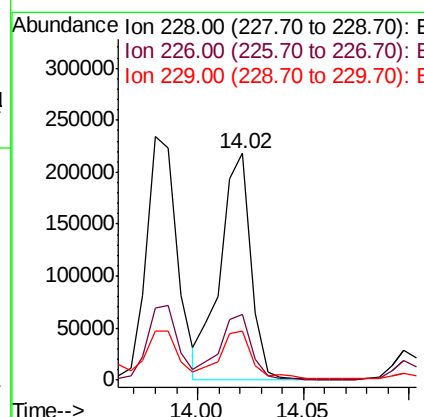
Manual Integrations
APPROVED

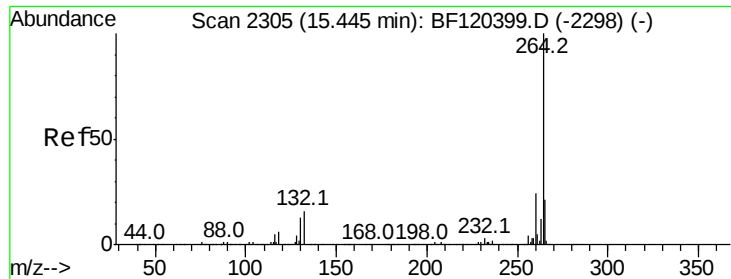
mohammad
6/1/2020 12:21:49 PM



#83
Chrysene
Concen: 7.108 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.6	38.4
229	21.5	16.6	25.0





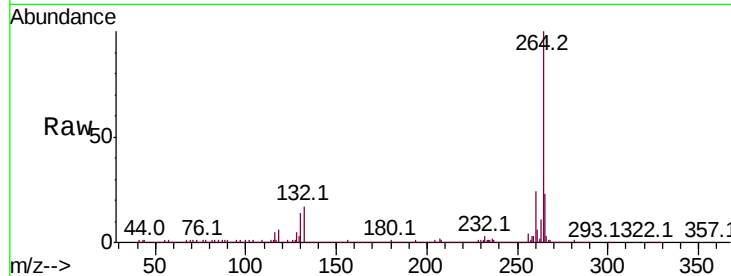
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.8	16.9	25.3

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM

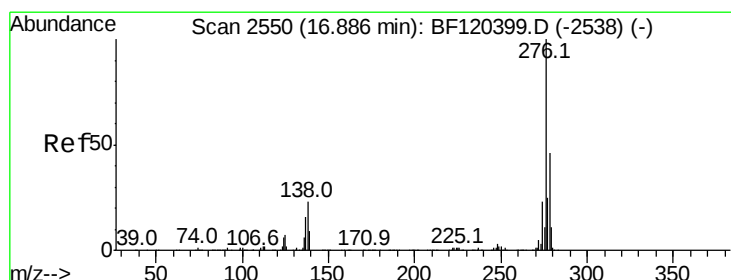
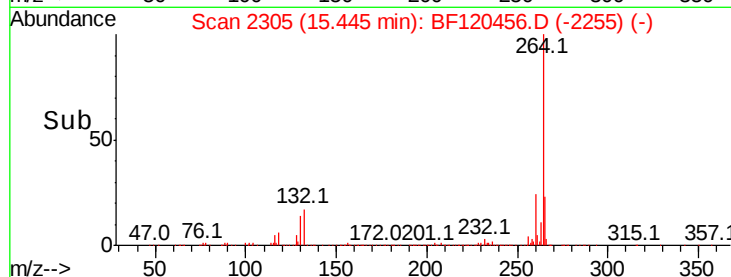
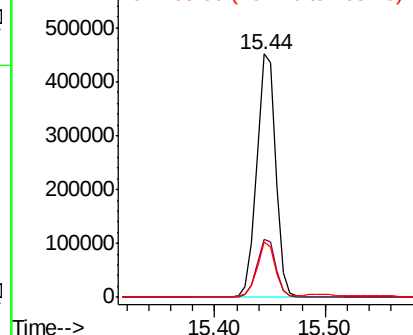


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.699 ng
RT: 16.88 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

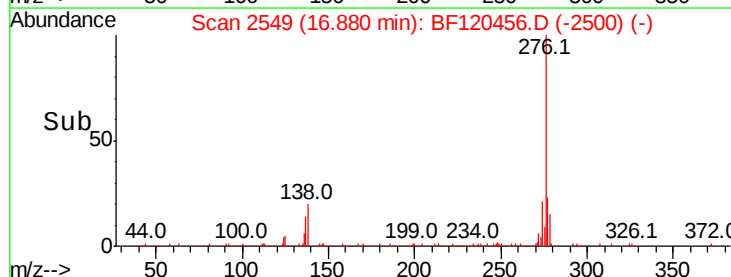
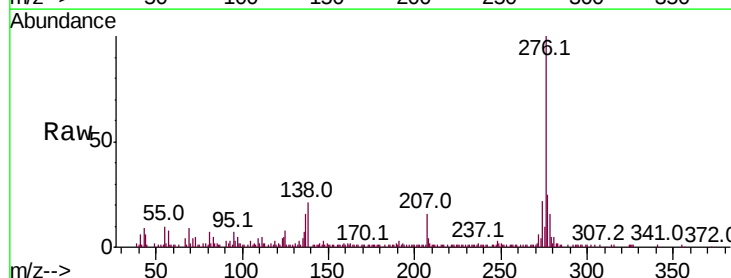
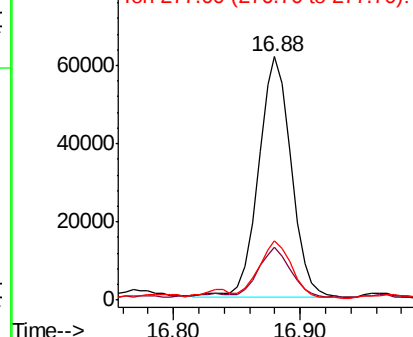
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	20.4	30.6
277	23.7	20.4	30.6

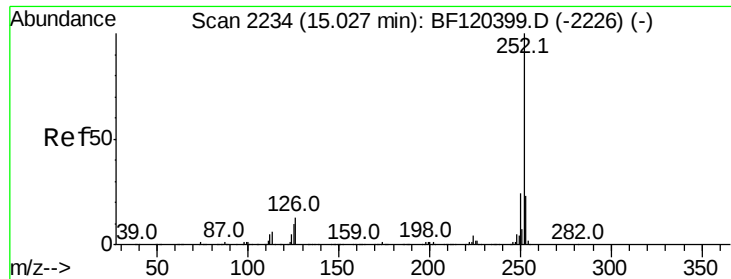
Abundance

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





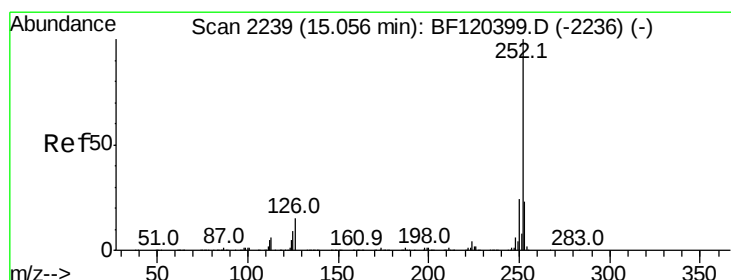
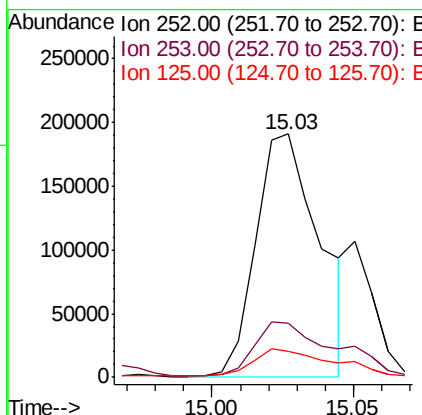
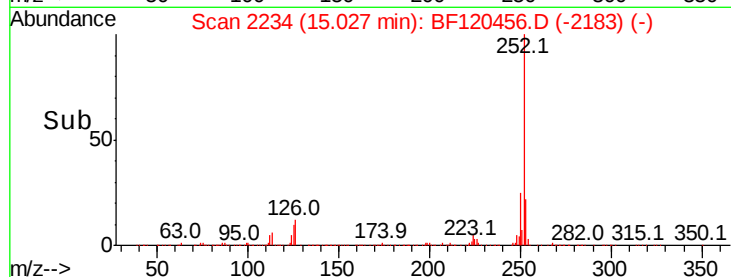
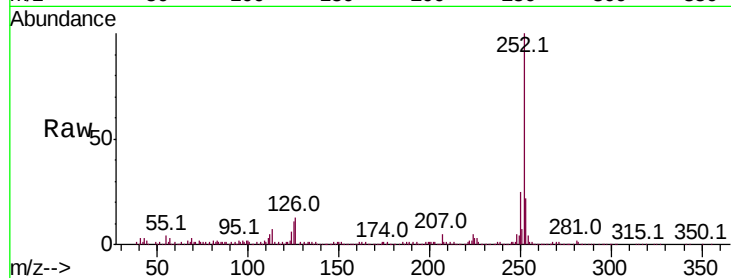
#88
Benzo(b)fluoranthene
Concen: 9.772 ng m
RT: 15.03 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	10.8	7.8	11.8

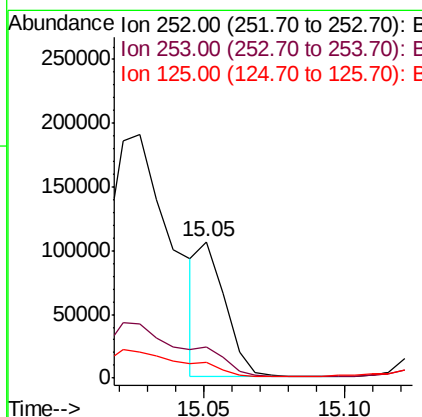
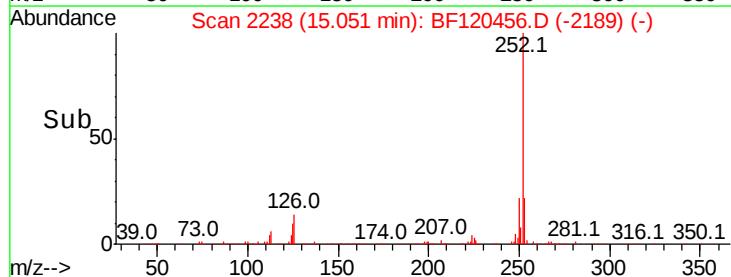
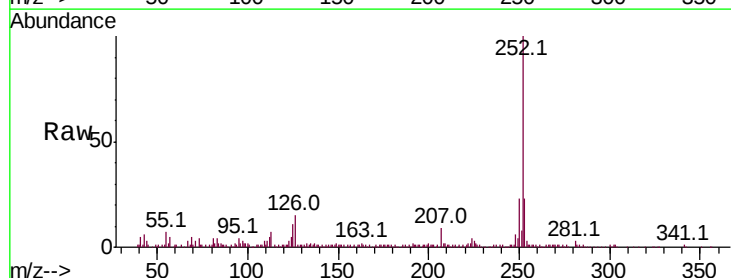
Manual Integrations
APPROVED

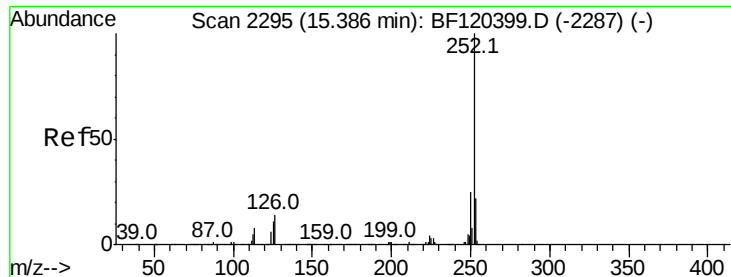
mohammad
6/1/2020 12:21:49 PM



#89
Benzo(k)fluoranthene
Concen: 2.449 ng m
RT: 15.05 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	11.1	8.0	12.0





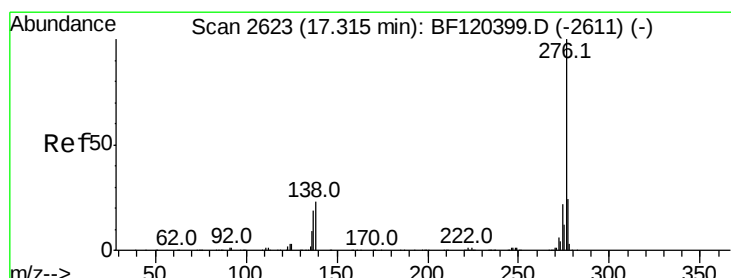
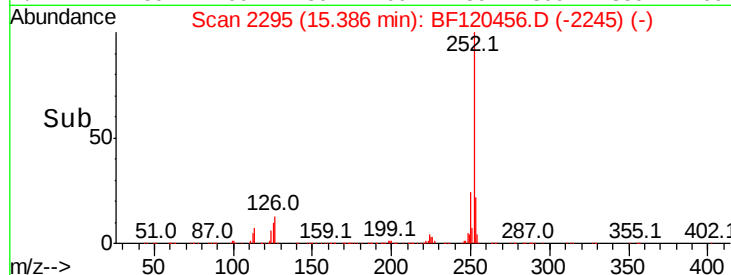
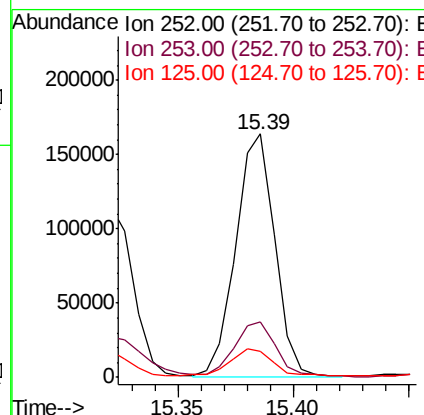
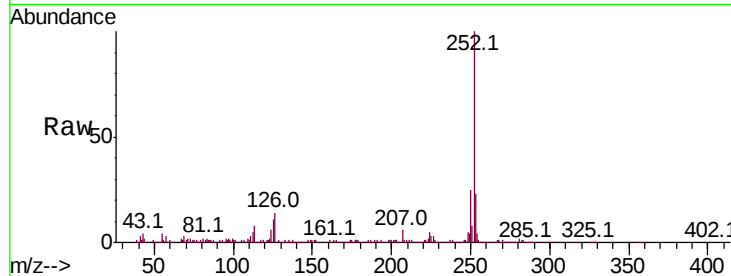
#90
Benzo(a)pyrene
Concen: 7.202 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Instrument :
BNA_F
ClientSampleId :
NM96-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	10.6	8.7	13.1

Manual Integrations
APPROVED

mohammad
6/1/2020 12:21:49 PM



#92
Benzo(g,h,i)perylene
Concen: 4.332 ng
RT: 17.32 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF120456.D
Acq: 29 May 2020 23:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	20.5	18.1	27.1

