

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120521.D
 Acq On : 3 Jun 2020 20:37
 Operator : JU/CG
 Sample : L2839-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6

Manual Integrations
 APPROVED

mohammad
 6/4/2020 12:12:52 PM

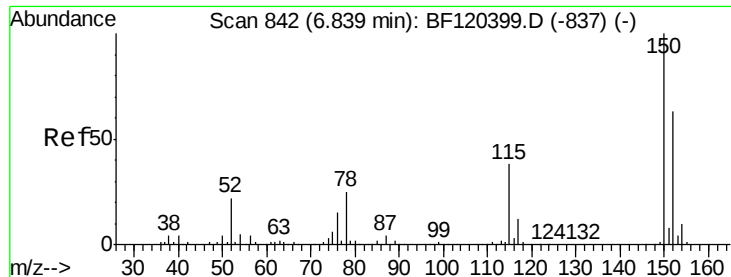
Quant Time: Jun 04 01:42:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	132901	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	480413	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	225846	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	360716	20.00	ng	0.00
76) Chrysene-d12	14.00	240	272059	20.00	ng	-0.01
86) Perylene-d12	15.46	264	234611	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	693358	99.42	ng	0.00
7) Phenol-d6	6.47	99	852149	99.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	556507	75.77	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	216029	103.24	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1058602	79.53	ng	0.00
79) Terphenyl-d14	12.94	244	916921	75.00	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.58	163	128002	9.066	ng	99
71) Phenanthrene	11.38	178	247741	15.587	ng	97
72) Anthracene	11.43	178	62542	3.922	ng	96
75) Fluoranthene	12.57	202	519670	30.386	ng	100
78) Pyrene	12.80	202	481424	25.445	ng	98
81) Benzo(a)anthracene	13.99	228	286345	19.638	ng	98
83) Chrysene	14.02	228	246519	16.127	ng	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	112191	8.743	ng	# 92
88) Benzo(b)fluoranthene	15.03	252	305673m	23.457	ng	
89) Benzo(k)fluoranthene	15.06	252	79376m	6.525	ng	
90) Benzo(a)pyrene	15.39	252	195845	17.182	ng	# 97
91) Dibenzo(a,h)anthracene	16.90	278	28834m	2.756	ng	
92) Benzo(a,h,i)perylene	17.34	276	103039	9.986	ng	97

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



#1

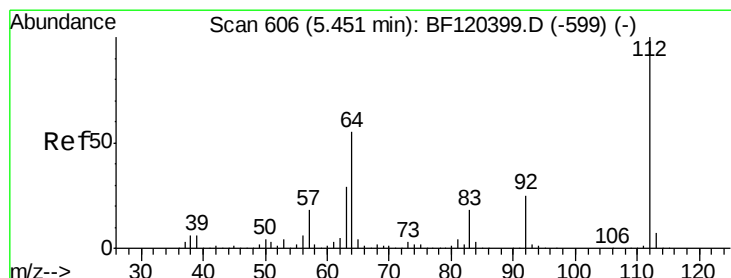
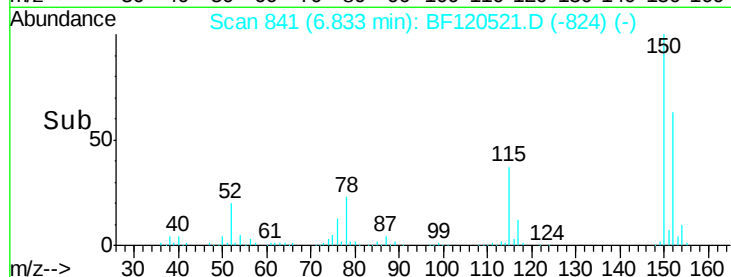
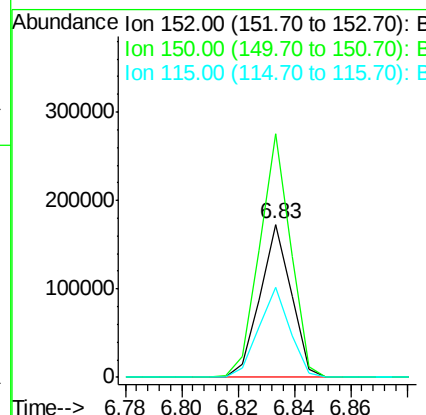
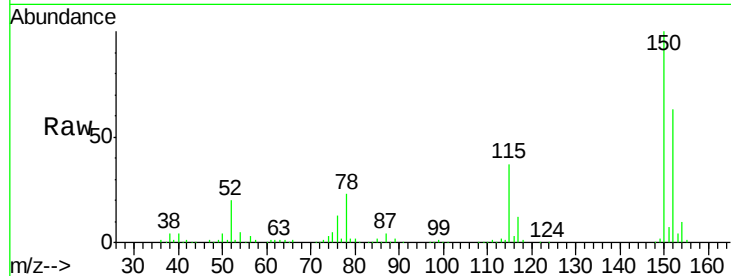
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.1	190.7
115	58.5	48.7	73.1

Manual Integrations
APPROVED

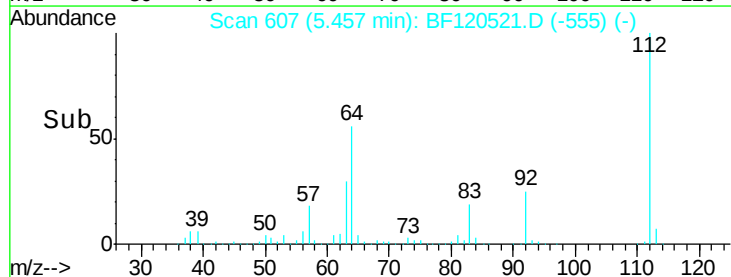
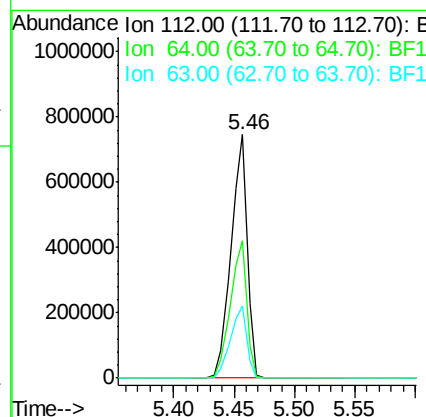
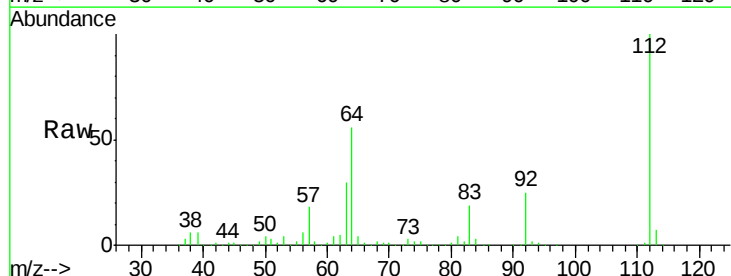
mohammad
6/4/2020 12:12:52 PM



#5

2-Fluorophenol
Concen: 99.425 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.8	68.8
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 99.138 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.00 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

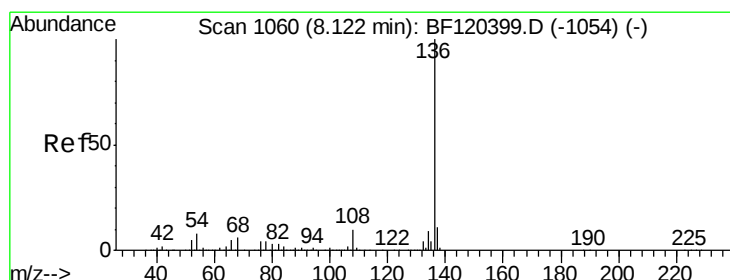
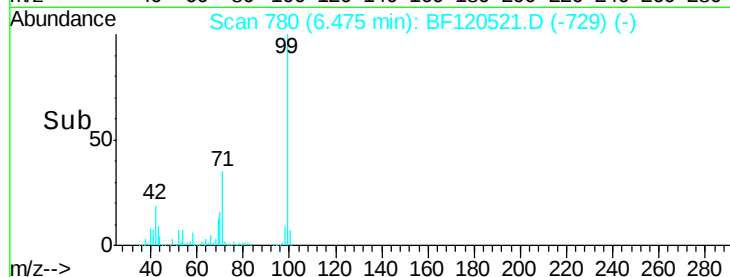
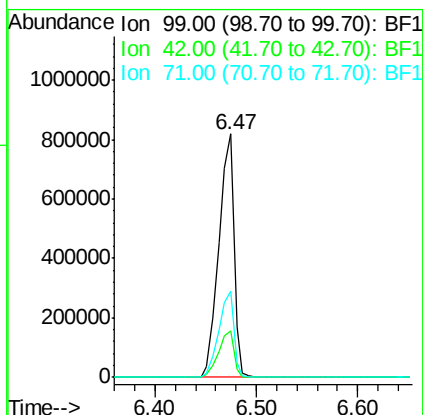
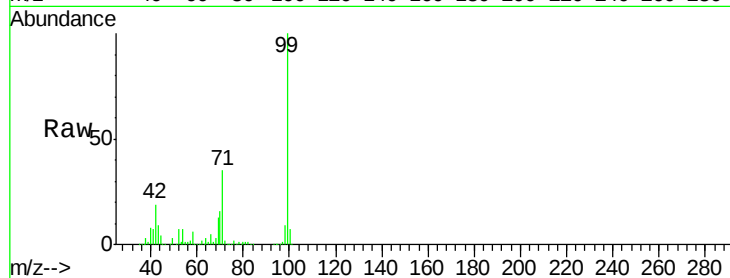
ClientSampleId :

NM24-COMP-2020-0-6

Tot Ion:	99	Resp:	852149
Ion Ratio	Lower	Upper	
99	100		
42	19.1	15.0	22.4
71	35.3	26.3	39.5

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:52 PM



#21

Naphthalene-d8

Concen: 20.000 ng

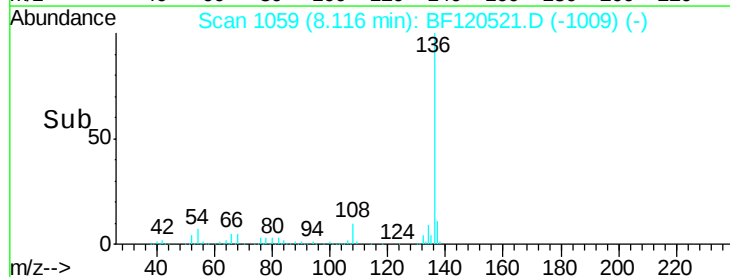
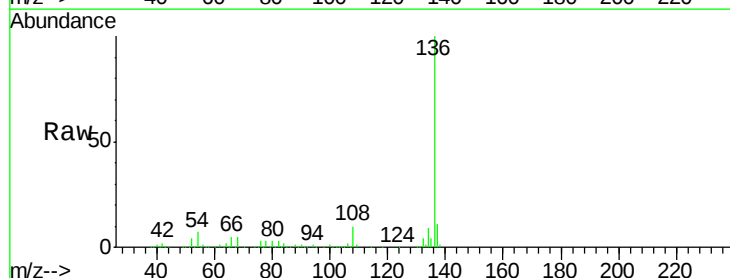
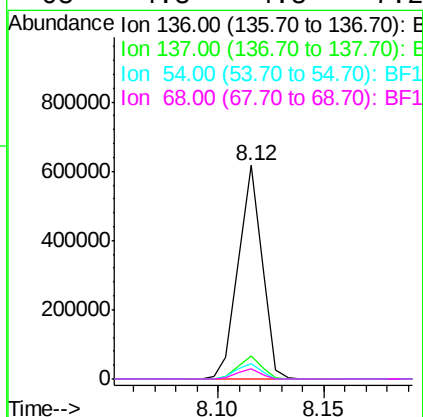
RT: 8.12 min Scan# 1059

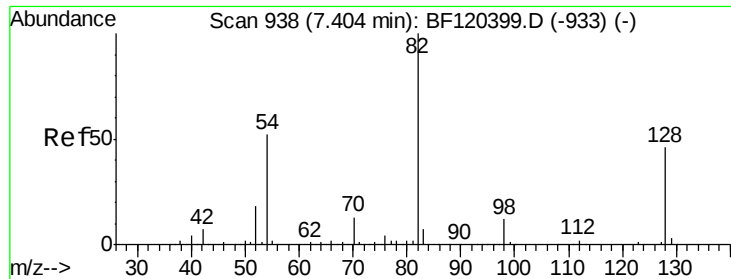
Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Tgt Ion:	136	Resp:	480413
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	7.3	6.0	9.0
68	4.8	4.8	7.2





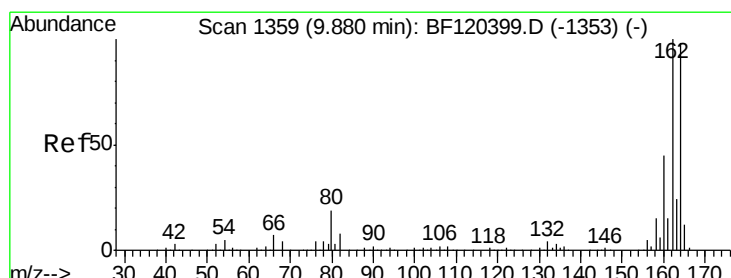
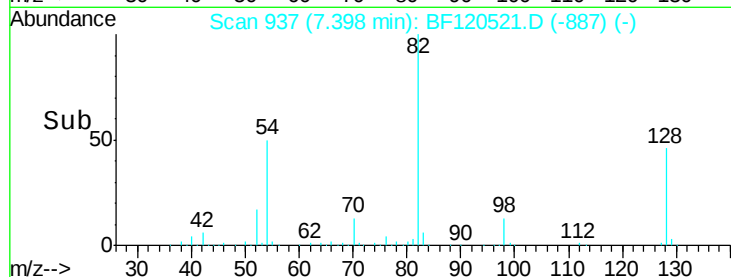
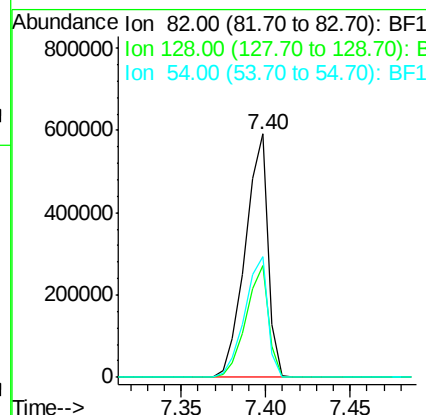
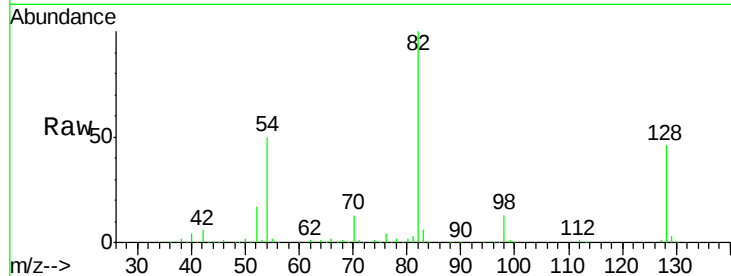
#23
Nitrobenzene-d5
Concen: 75.774 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	37.4	56.0	
54	49.6	40.7	61.1	

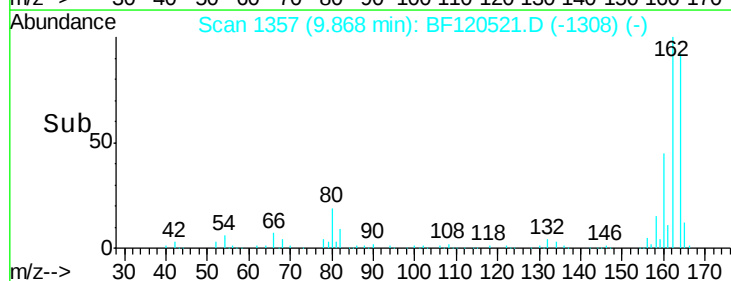
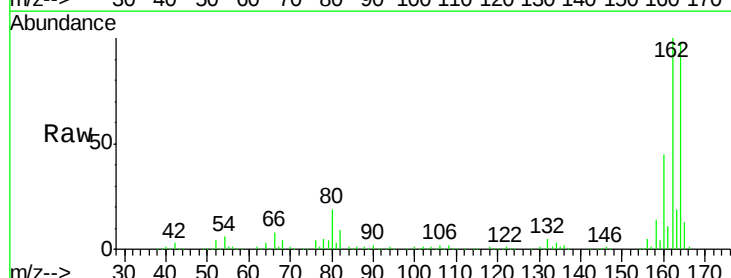
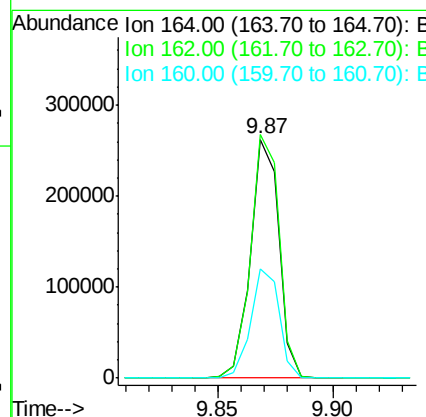
Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:52 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	81.8	122.6	
160	45.7	37.3	55.9	





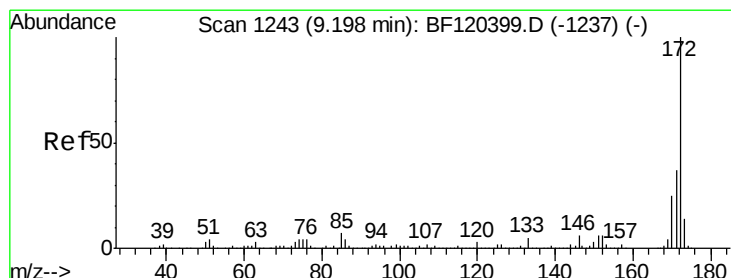
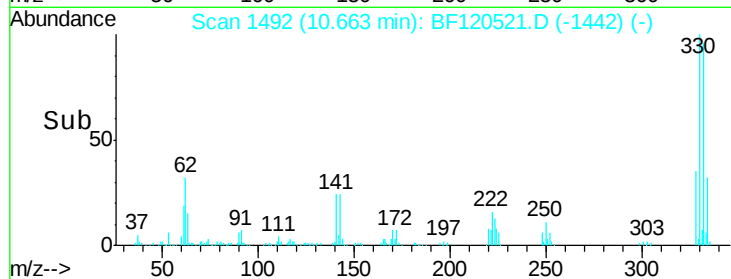
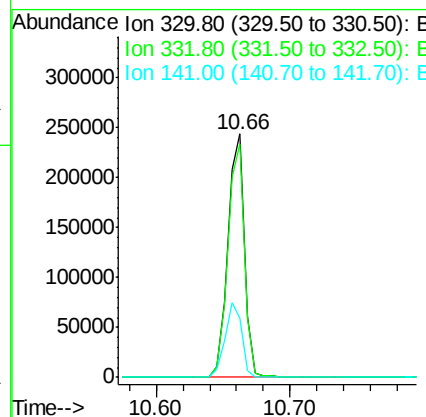
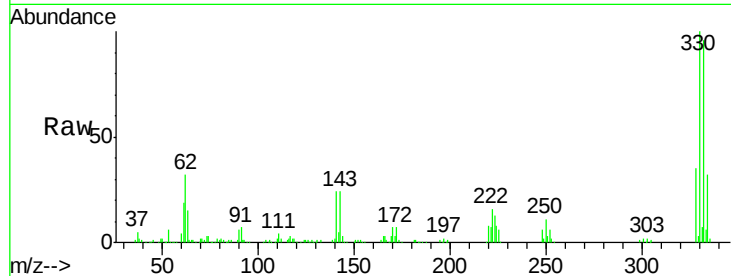
#42
 2,4,6-Tribromophenol
 Concen: 103.237 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120521.D
 Acq: 3 Jun 2020 20:37

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	216029		
332	96.2		77.4	116.2
141	30.9		23.5	35.3

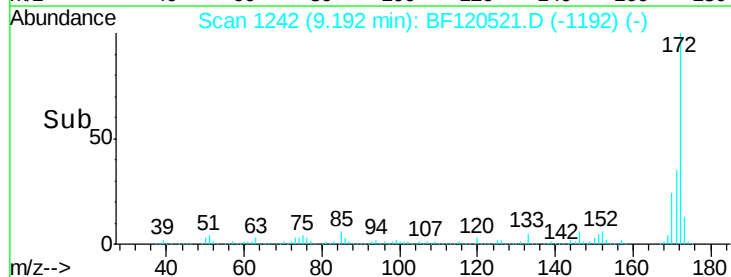
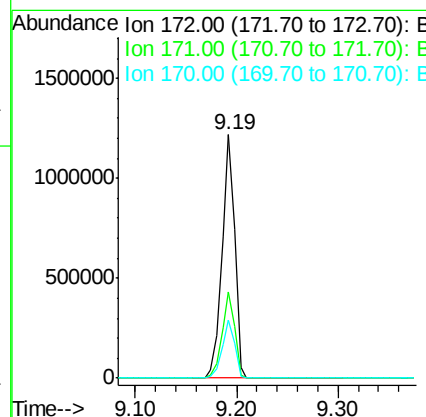
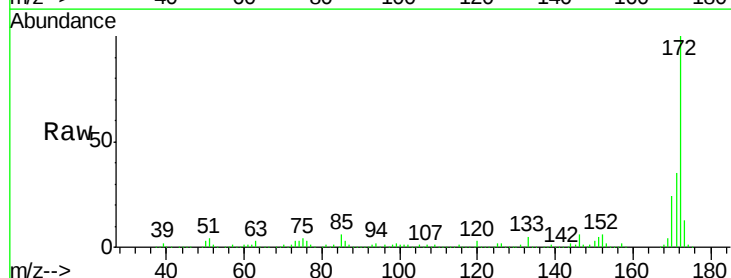
Manual Integrations
 APPROVED

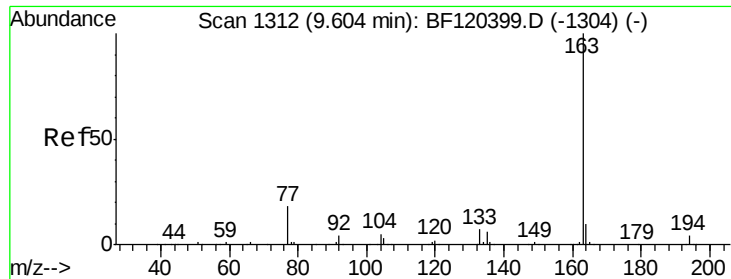
mohammad
 6/4/2020 12:12:52 PM



#45
 2-Fluorobiphenyl
 Concen: 79.529 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120521.D
 Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1058602		
171	35.2		29.2	43.8
170	23.6		20.1	30.1





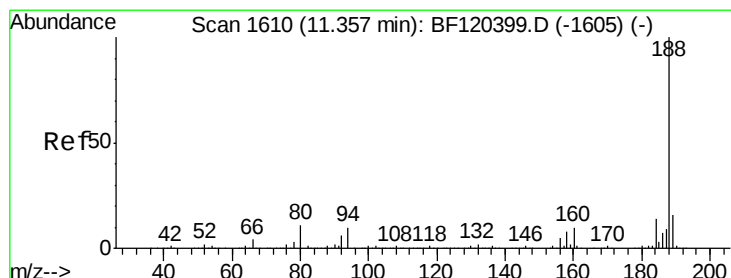
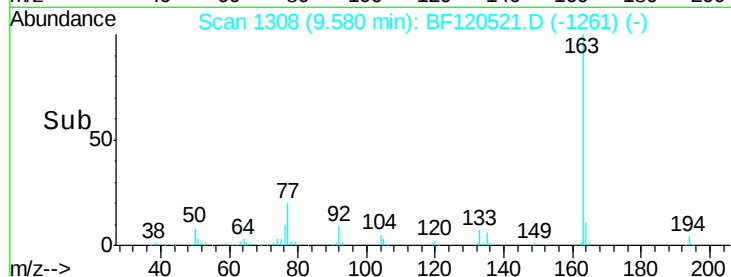
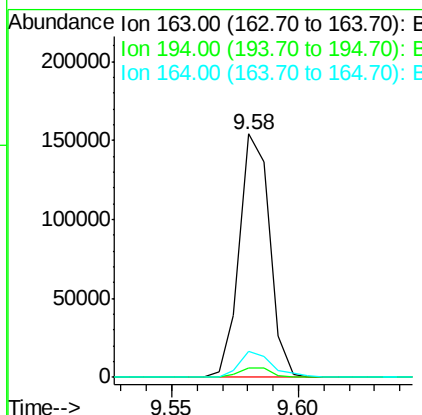
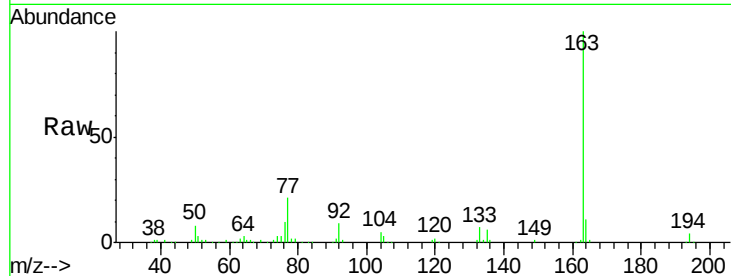
#50
Dimethylphthalate
Concen: 9.066 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.7		3.1	4.7	
164	10.6		8.2	12.4	

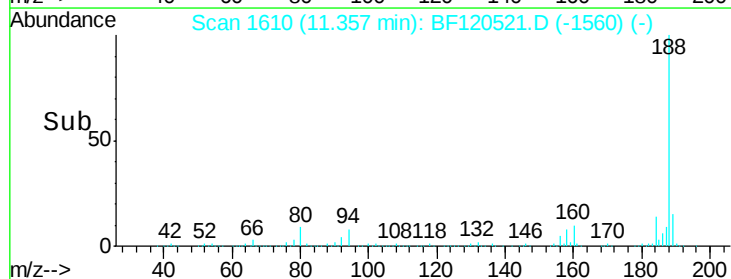
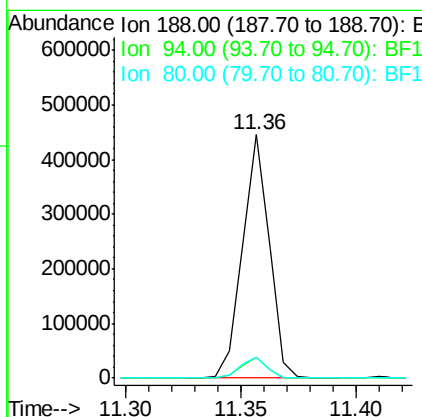
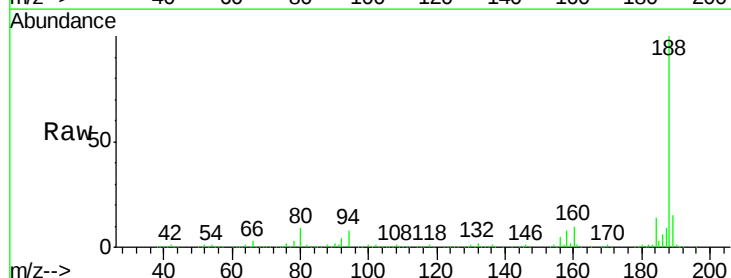
Manual Integrations
APPROVED

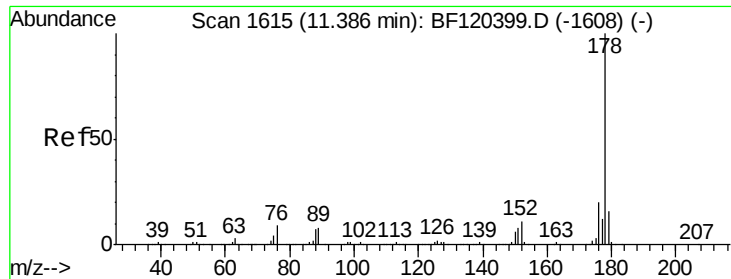
mohammad
6/4/2020 12:12:52 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.4		7.5	11.3	
80	8.7		7.9	11.9	





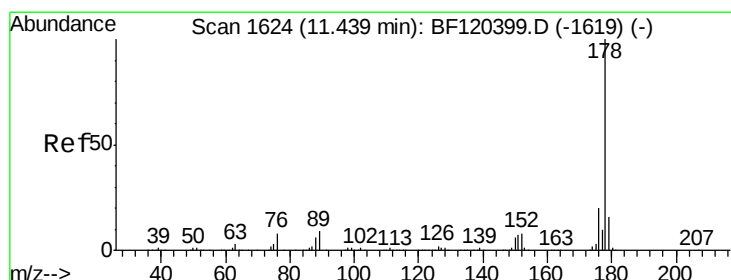
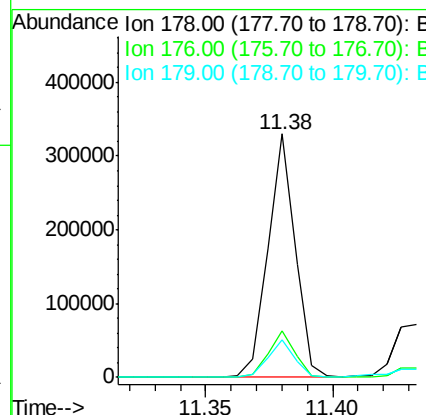
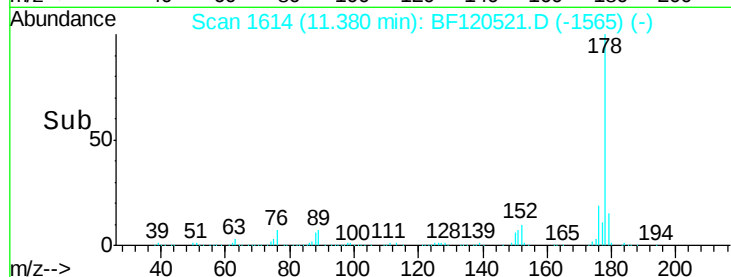
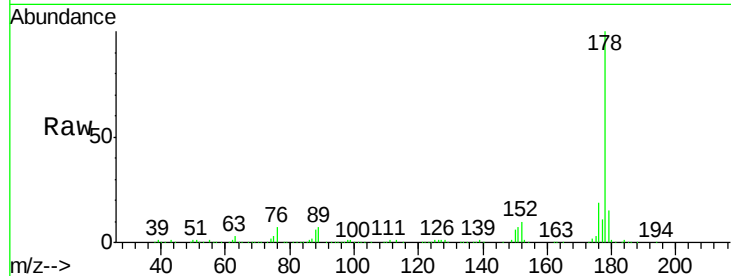
#71
Phenanthrene
Concen: 15.587 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	24.8
179	15.3	13.0	19.4

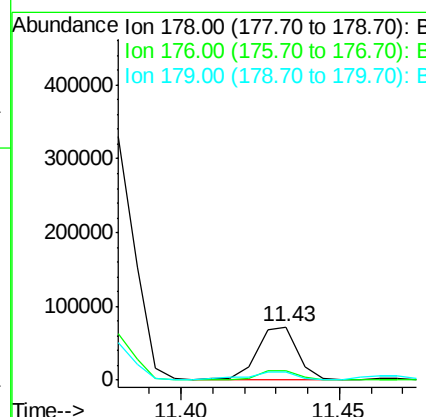
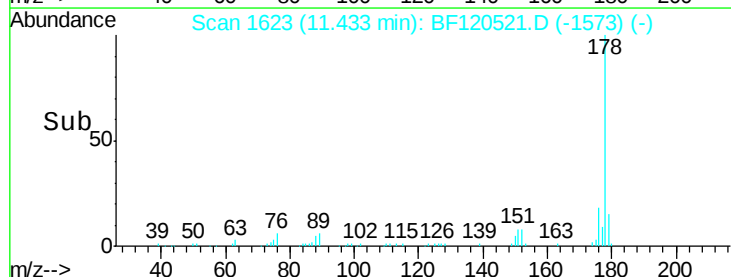
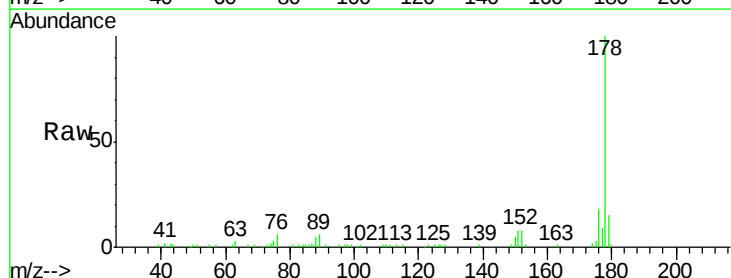
Manual Integrations
APPROVED

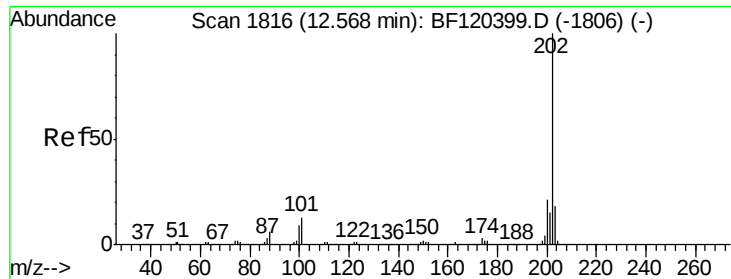
mohammad
6/4/2020 12:12:52 PM



#72
Anthracene
Concen: 3.922 ng
RT: 11.43 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.7	23.5
179	14.5	13.1	19.7





#75

Fluoranthene

Concen: 30.386 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

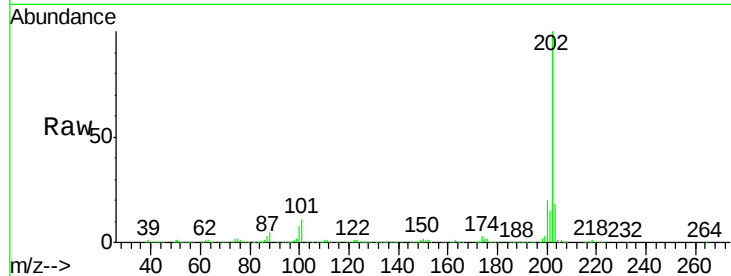
ClientSampleId :

NM24-COMP-2020-0-6

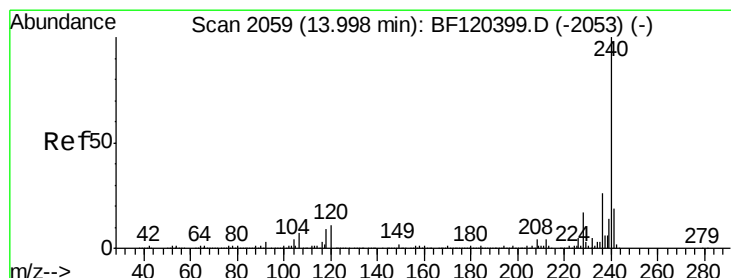
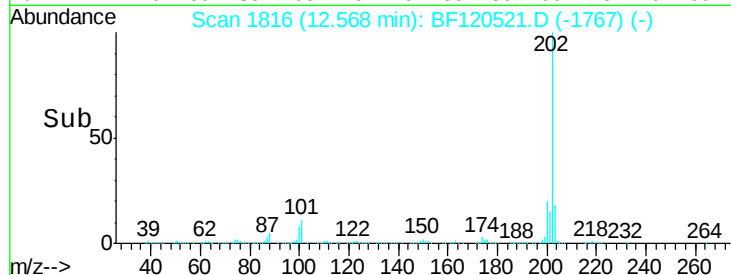
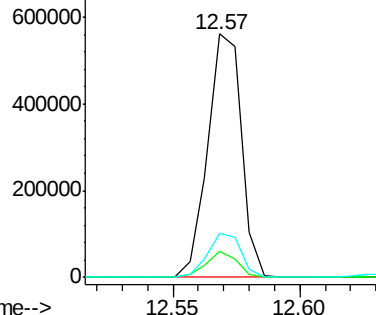
Tot Ion	Ratio	Resp	Lower	Upper
202	100	519670		
101	10.7	0.0	30.4	
203	18.1	0.0	38.2	

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:52 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

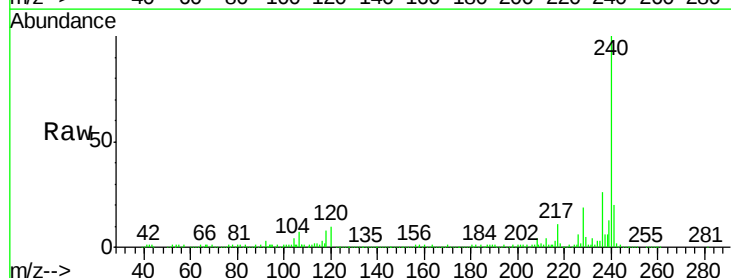
RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

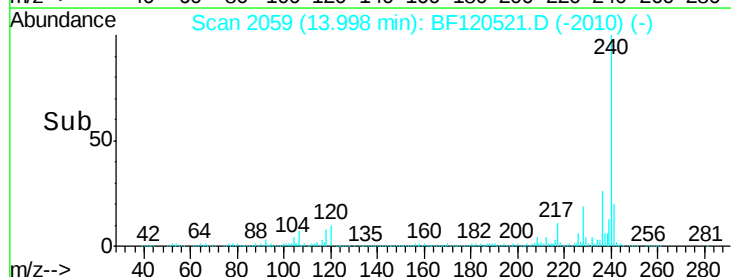
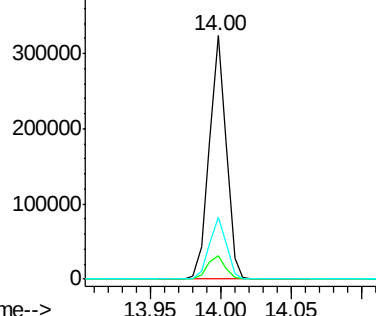
Lab File: BF120521.D

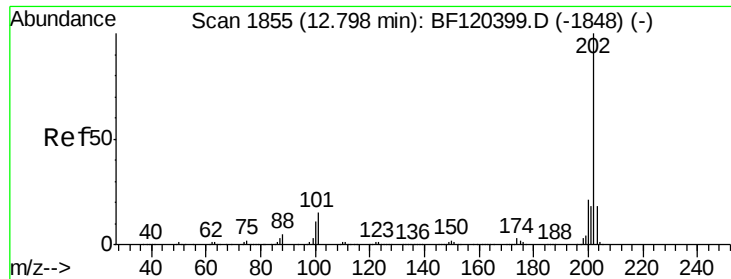
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	272059		
120	9.5	7.9	11.9	
236	25.6	21.1	31.7	



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





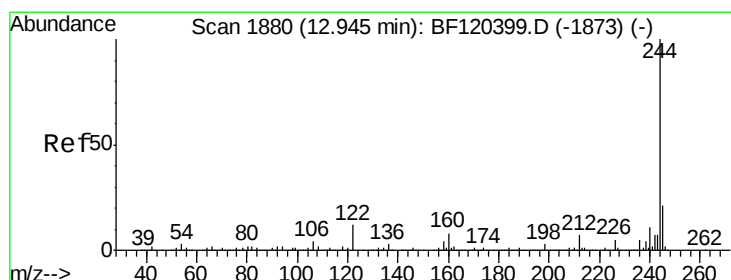
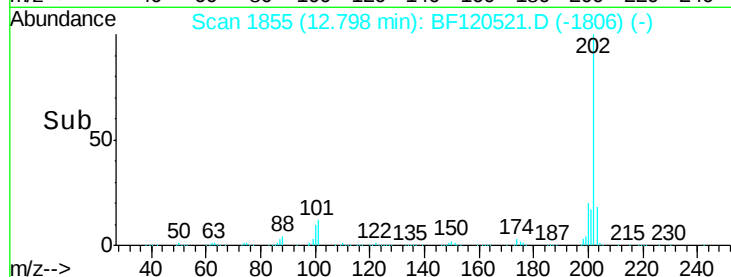
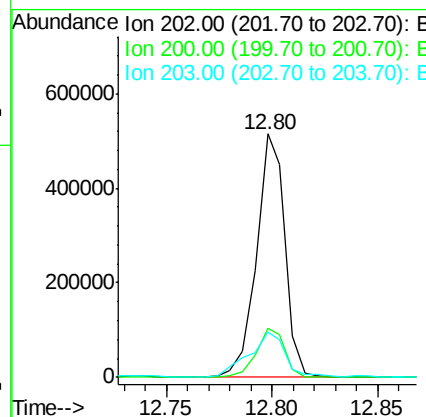
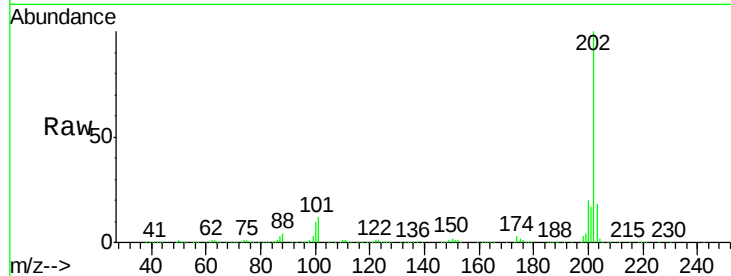
#78
Pvrene
Concen: 25.445 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.3	25.9
203	18.3	14.5	21.7

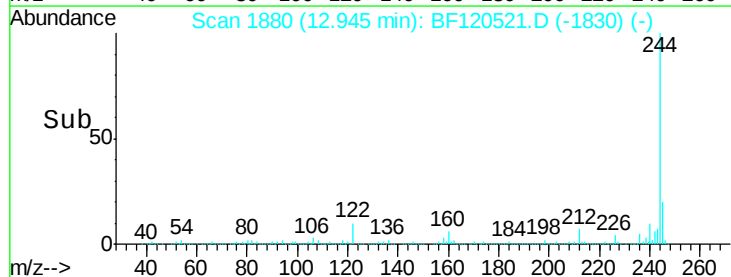
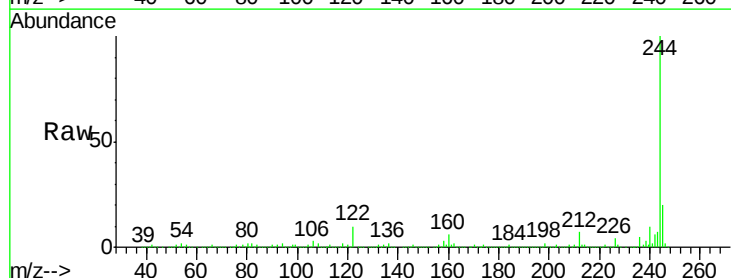
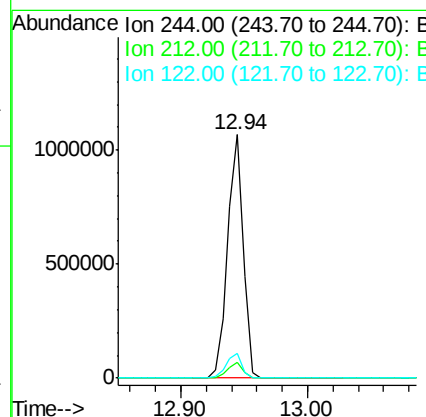
Manual Integrations
APPROVED

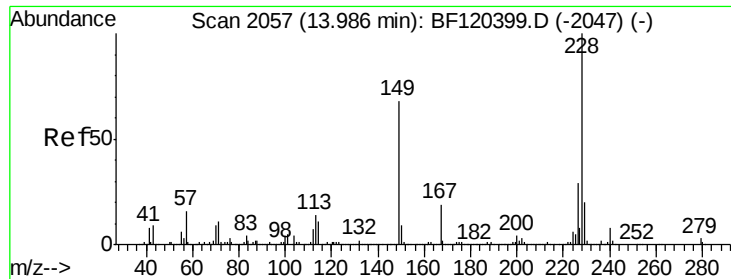
mohammad
6/4/2020 12:12:52 PM



#79
Terphenyl-d14
Concen: 74.997 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.0	8.2	12.4





#81

Benzo(a)anthracene

Concen: 19.638 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120521.D

Acq: 3 Jun 2020 20:37

Instrument :

BNA_F

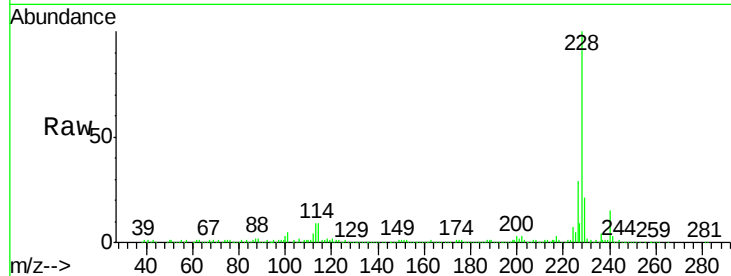
ClientSampleId :

NM24-COMP-2020-0-6

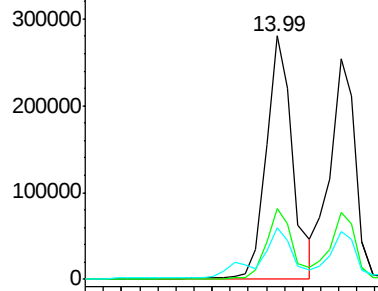
Tot Ion:	228	Resp:	286345
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.7	34.1
229	21.0	16.3	24.5

Manual Integrations
APPROVED

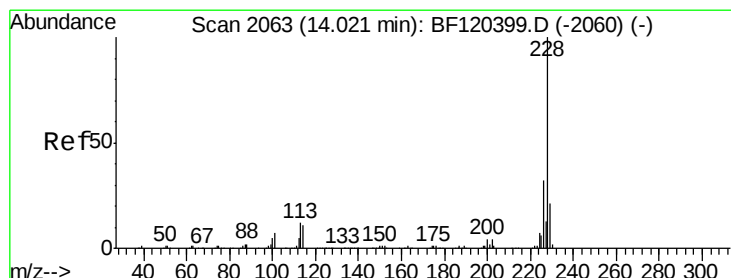
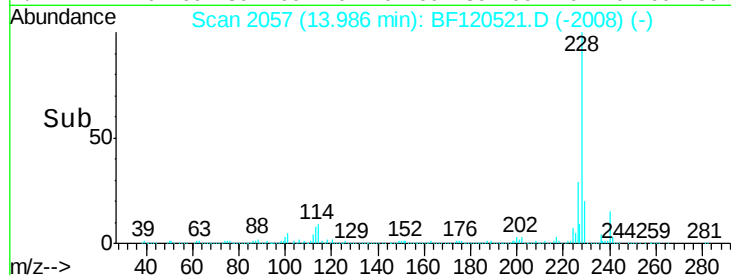
mohammad
6/4/2020 12:12:52 PM



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



Time-->



#83

Chrysene

Concen: 16.127 ng

RT: 14.02 min Scan# 2063

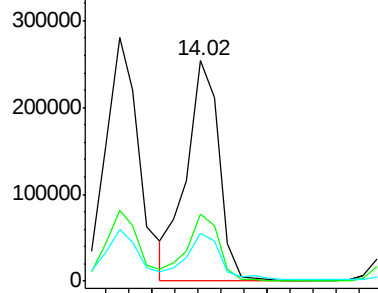
Delta R.T. -0.02 min

Lab File: BF120521.D

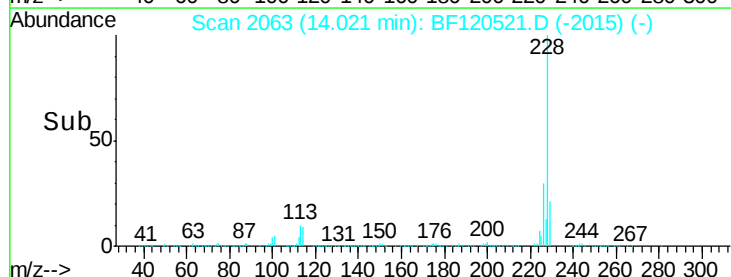
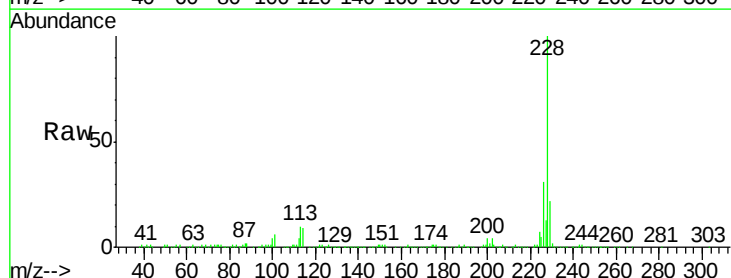
Acq: 3 Jun 2020 20:37

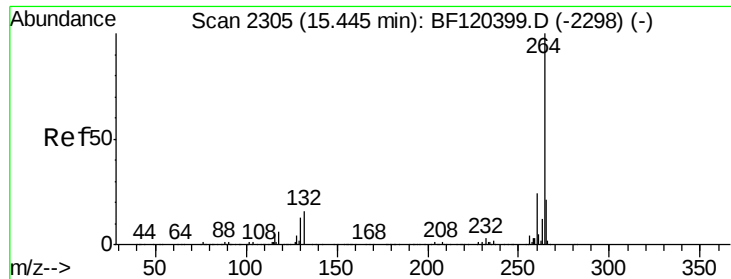
Tgt Ion:	228	Resp:	246519
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.2	37.8
229	21.9	16.1	24.1

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



Time-->





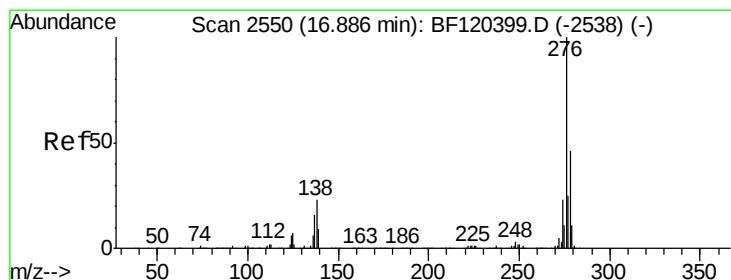
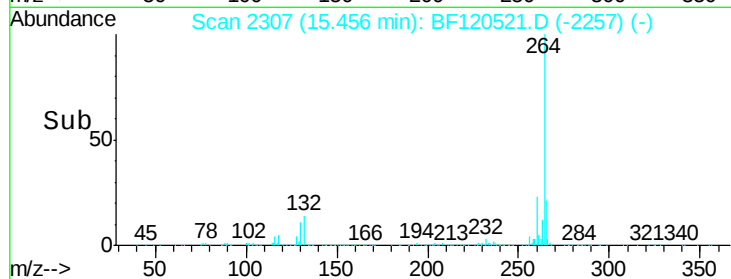
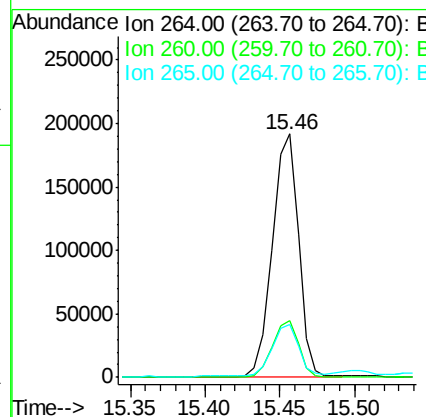
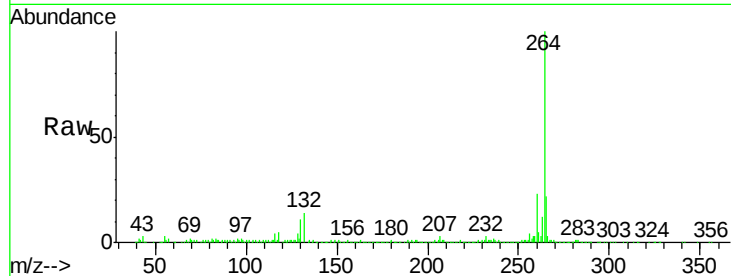
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion:	264	Resp:	234611
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.8	29.8
265	21.7	17.5	26.3

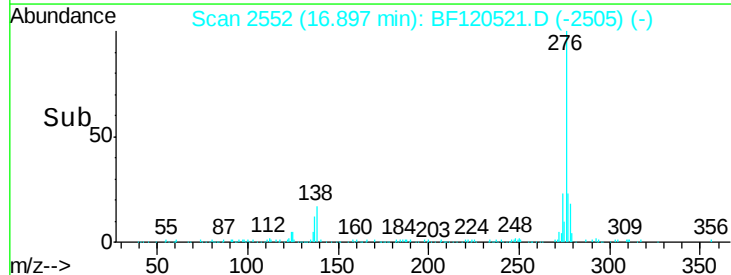
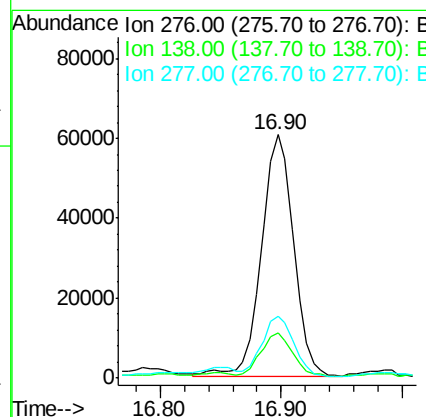
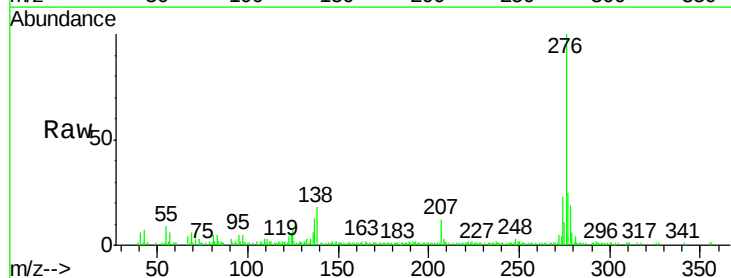
Manual Integrations
APPROVED

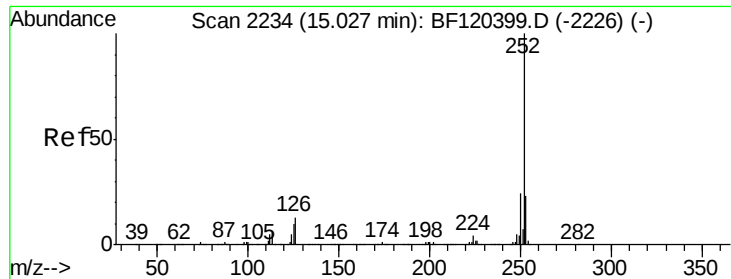
mohammad
6/4/2020 12:12:52 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.743 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion:	276	Resp:	112191
Ion Ratio	Lower	Upper	
276	100		
138	17.5	19.2	28.8#
277	24.2	20.4	30.6





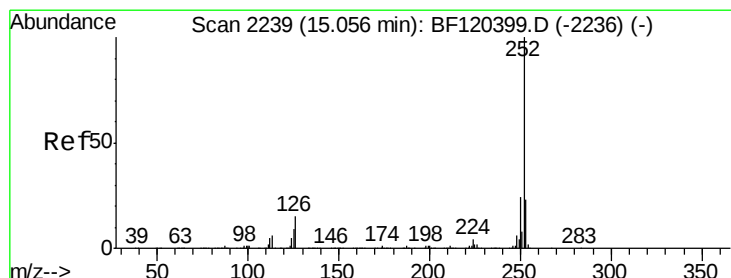
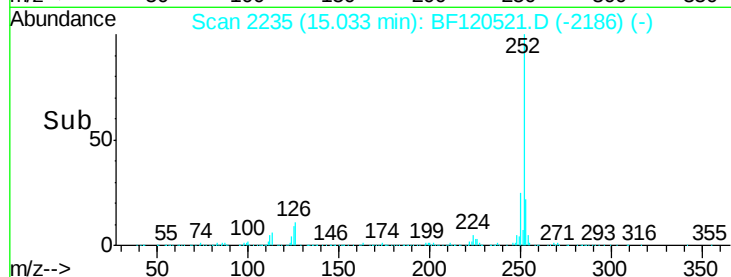
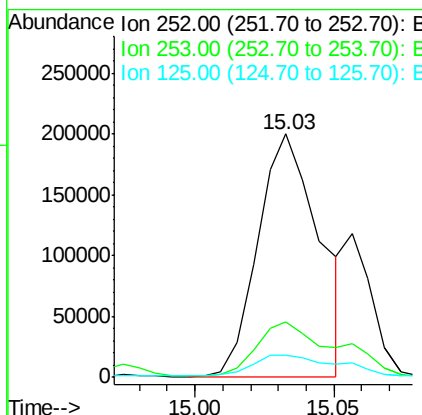
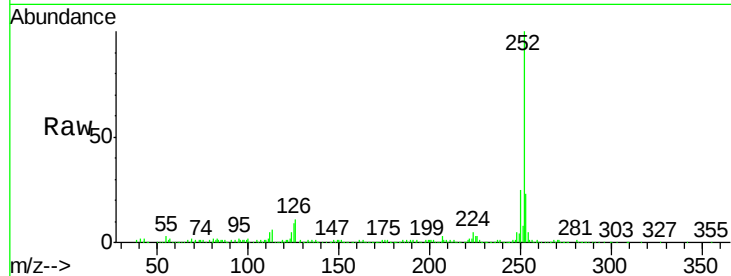
#88
Benzo(b)fluoranthene
Concen: 23.457 ng m
RT: 15.03 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.1	7.6	11.4

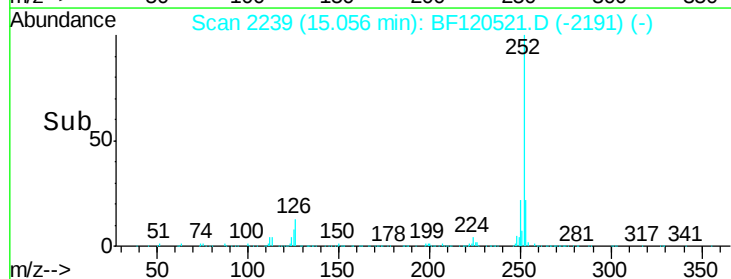
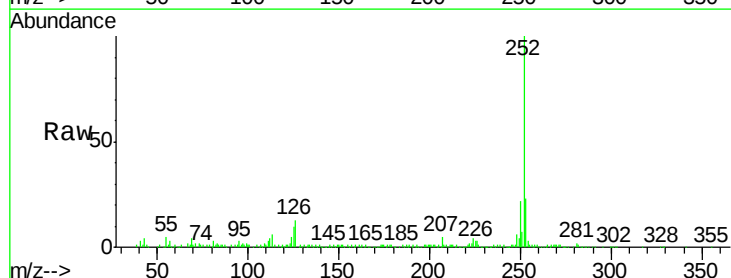
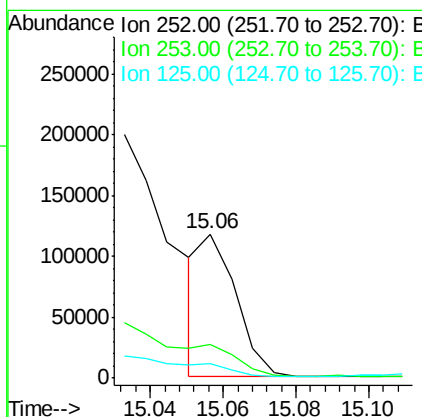
Manual Integrations
APPROVED

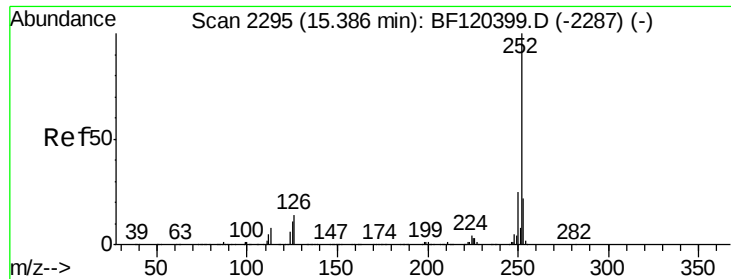
mohammad
6/4/2020 12:12:52 PM



#89
Benzo(k)fluoranthene
Concen: 6.525 ng m
RT: 15.06 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	9.7	7.5	11.3





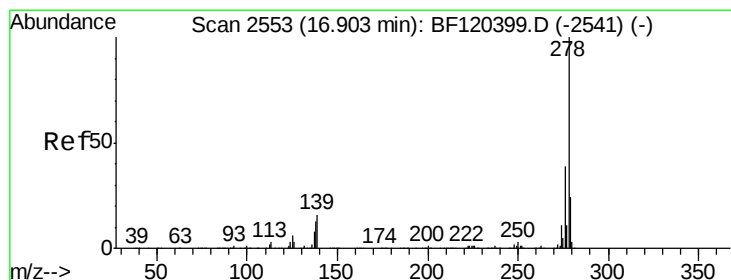
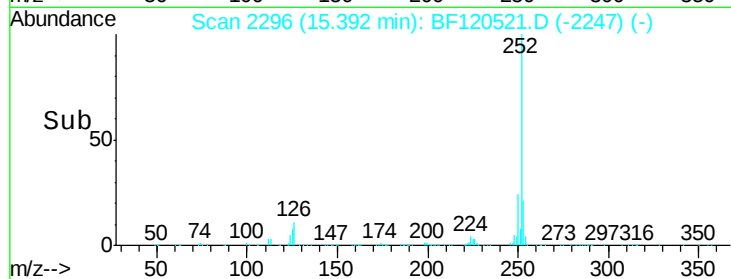
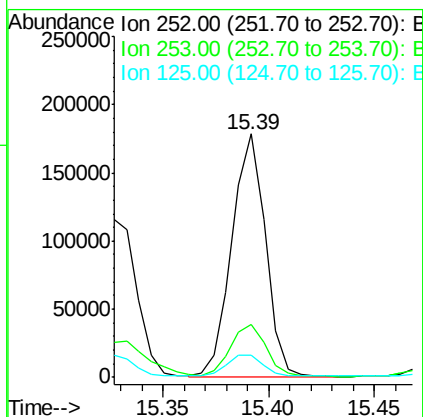
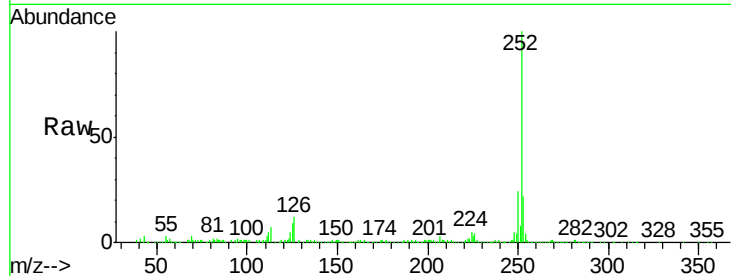
#90
Benzo(a)pyrene
Concen: 17.182 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Instrument :
BNA_F
ClientSampleId :
NM24-COMP-2020-0-6

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	18.0	27.0
125	9.1	9.2	13.8#

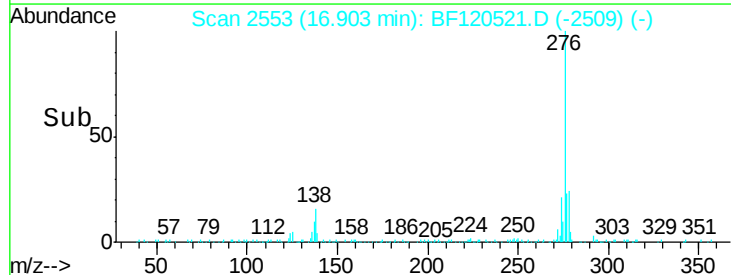
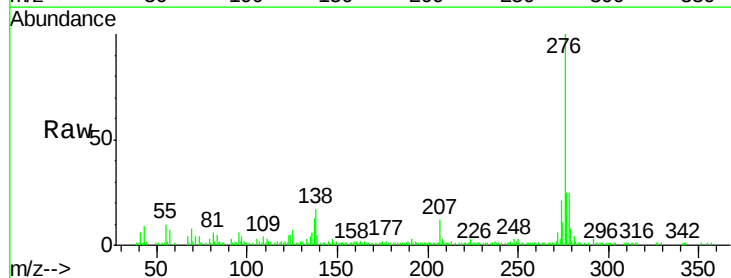
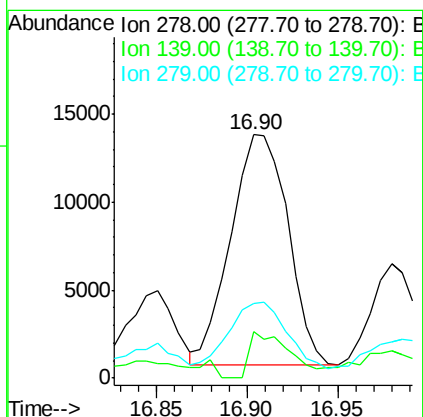
Manual Integrations
APPROVED

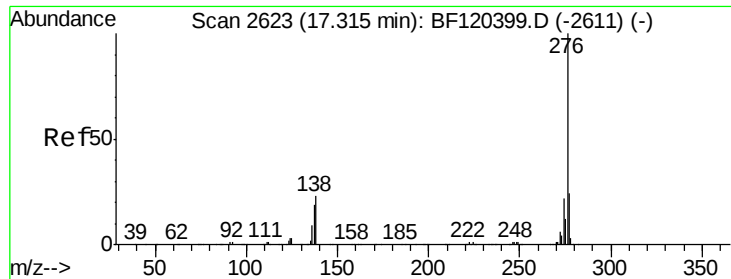
mohammad
6/4/2020 12:12:52 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.756 ng m
RT: 16.90 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BF120521.D
Acq: 3 Jun 2020 20:37

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.0	11.6	17.4#
279	30.6	19.2	28.8#





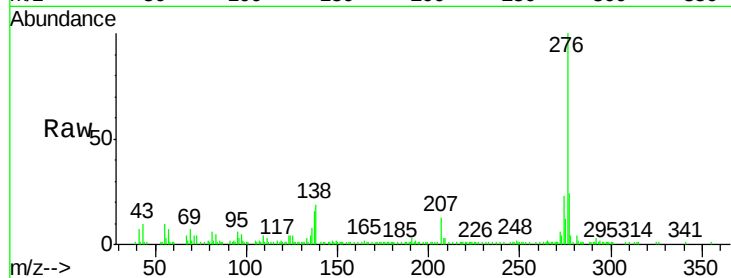
#92
 Benzo(a,h,i)perylene
 Concen: 9.986 ng
 RT: 17.34 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BF120521.D
 Acq: 3 Jun 2020 20:37

Instrument :
 BNA_F
 ClientSampleId :
 NM24-COMP-2020-0-6

Tot Ion:	276	Resp:	103039
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.4	29.2
138	18.7	16.6	25.0

Manual Integrations
 APPROVED

mohammad
 6/4/2020 12:12:52 PM



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

