

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120039.D
 Acq On : 16 Apr 2020 16:36
 Operator : MA/SJ
 Sample : L2230-67 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40-41-42

Manual Integrations
 APPROVED

mohammad
 4/17/2020 1:48:36 PM

Quant Time: Apr 17 03:47:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	124331	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	459428	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	230439	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	330493	20.00	ng	0.00
76) Chrysene-d12	13.89	240	267726	20.00	ng	0.00
87) Perylene-d12	15.32	264	231380	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	157707	21.92	ng	0.00
7) Phenol-d6	6.35	99	207009	22.33	ng	-0.01
23) Nitrobenzene-d5	7.28	82	122795	13.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	32745	11.61	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	261835	16.13	ng	0.00
79) Terphenyl-d14	12.84	244	196928	12.38	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.48	163	39105	2.194	ng	Qvalue # 95
71) Phenanthrene	11.27	178	219028	12.452	ng	99
72) Anthracene	11.33	178	51976	2.893	ng	96
75) Fluoranthene	12.46	202	310998	16.387	ng	99
78) Pyrene	12.69	202	330171	14.629	ng	99
81) Benzo(a)anthracene	13.88	228	176660	10.030	ng	98
83) Chrysene	13.92	228	156046	8.720	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	61008	3.867	ng	97
88) Benzo(b)fluoranthene	14.91	252	164421m	9.878	ng	
89) Benzo(k)fluoranthene	14.93	252	53155m	3.701	ng	
90) Benzo(a)pyrene	15.26	252	123560	8.829	ng	# 97
92) Benzo(a,h,i)perylene	17.12	276	56389	4.608	ng	# 92

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

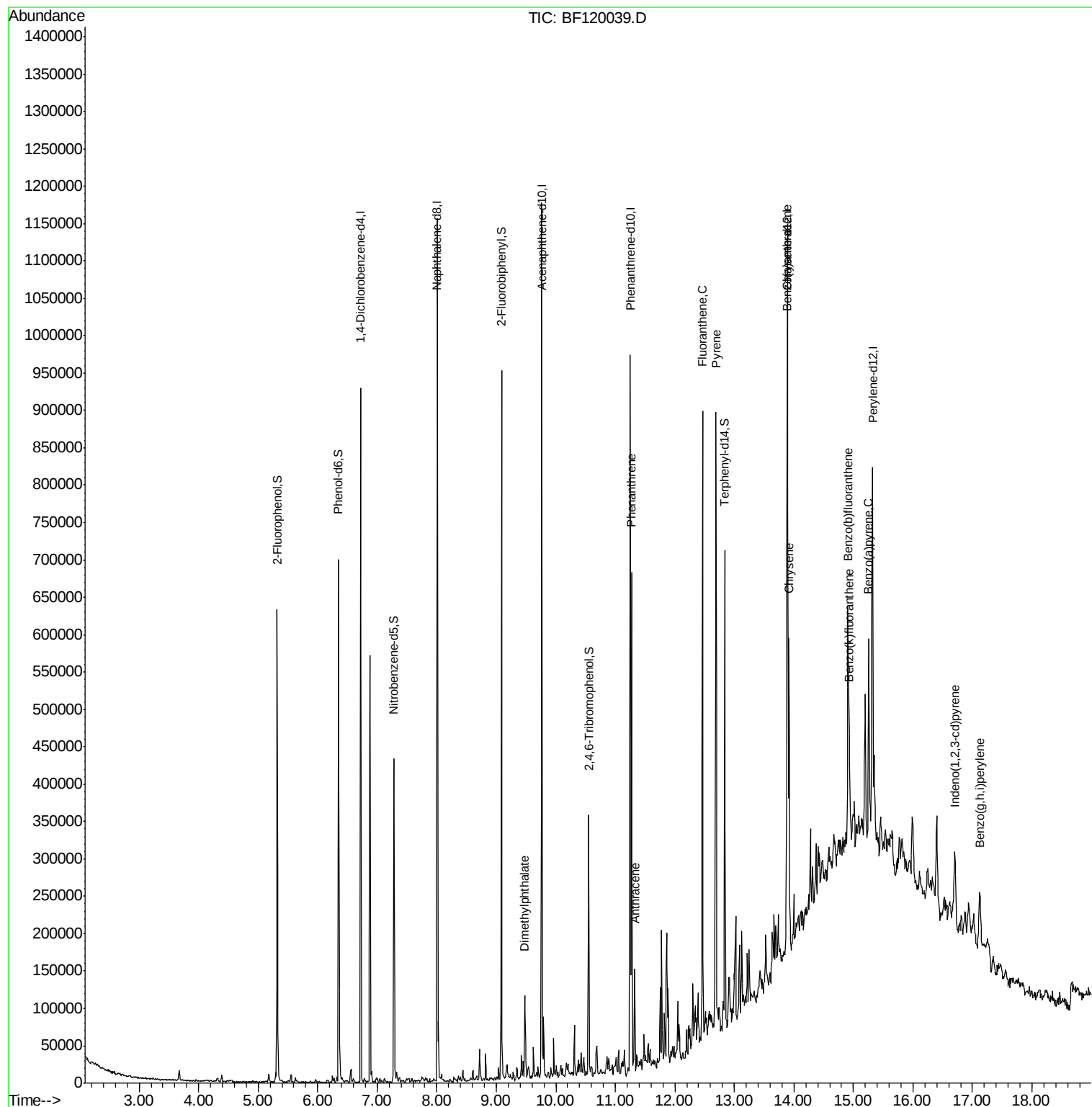
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120039.D
Acq On : 16 Apr 2020 16:36
Operator : MA/SJ
Sample : L2230-67 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM

Quant Time: Apr 17 03:47:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 10:48:04 2020
Response via : Initial Calibration





#1

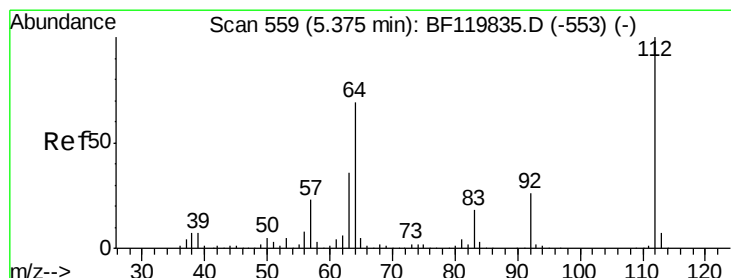
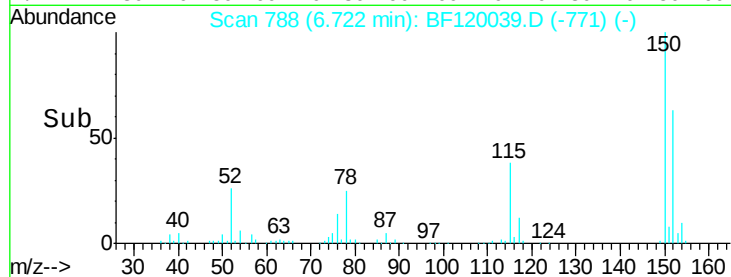
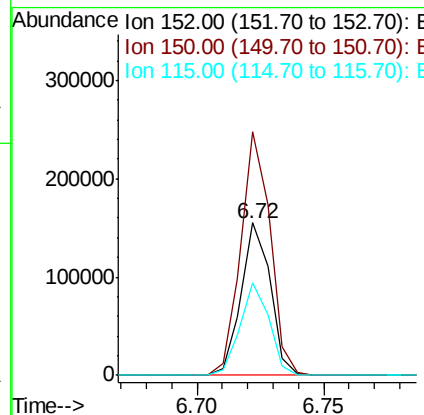
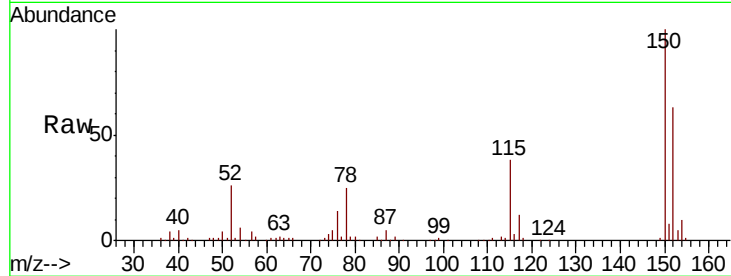
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.8	187.2
115	61.0	46.5	69.7

Manual Integrations
APPROVED

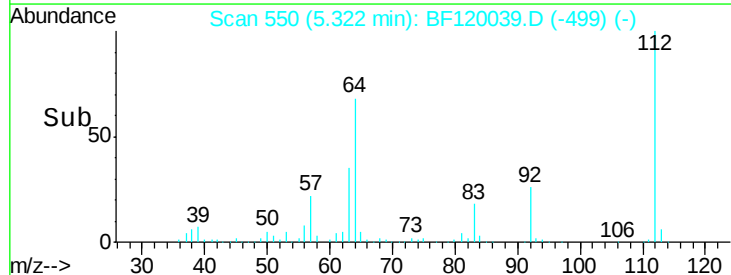
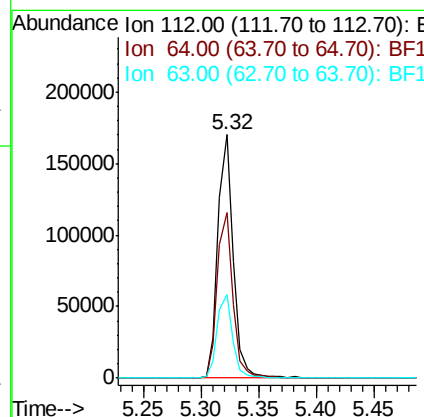
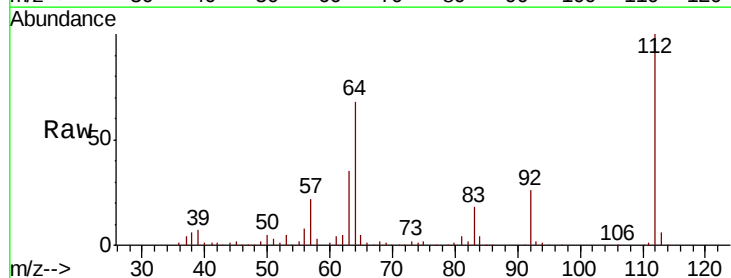
mohammad
4/17/2020 1:48:36 PM



#5

2-Fluorophenol
Concen: 21.921 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	55.5	83.3
63	34.5	29.1	43.7





#7

Phenol-d6

Concen: 22.331 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Instrument :

BNA_F

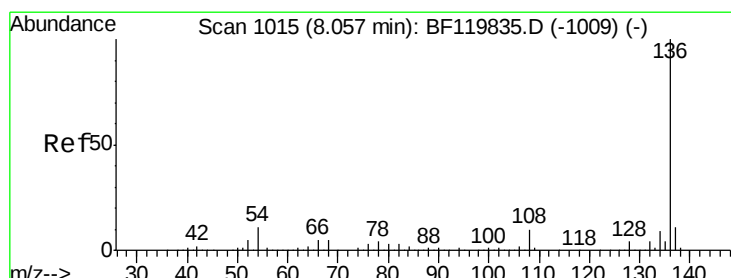
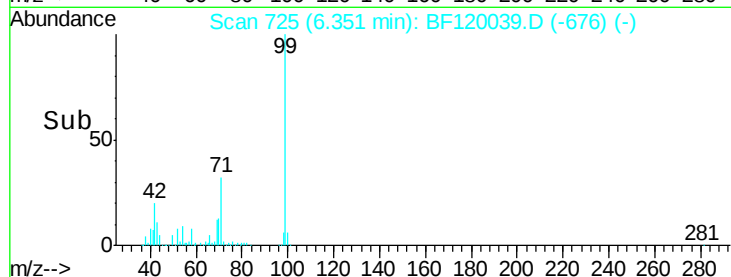
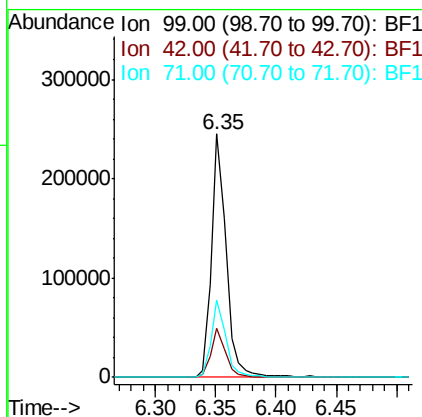
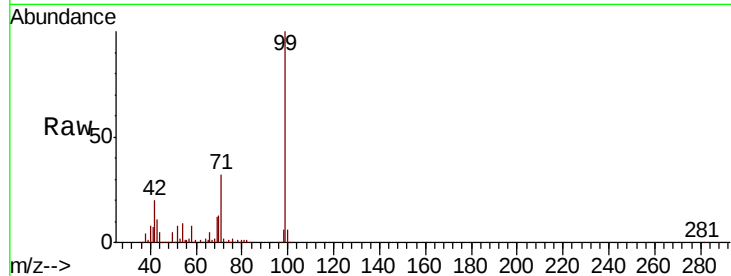
ClientSampleId :

TP-40-41-42

Tot Ion:	99	Resp:	207009
Ion Ratio	Lower	Upper	
99	100		
42	19.9	16.9	25.3
71	31.9	26.3	39.5

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM



#21

Naphthalene-d8

Concen: 20.000 ng

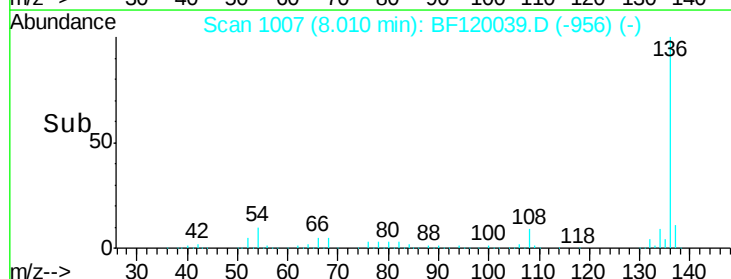
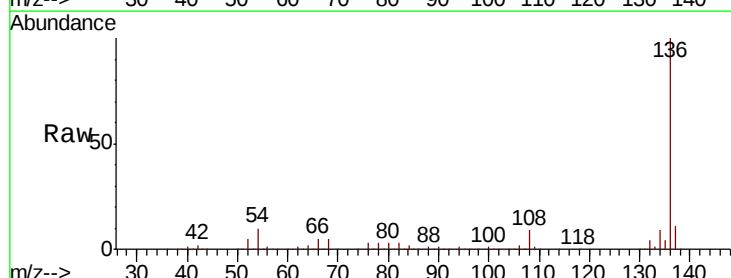
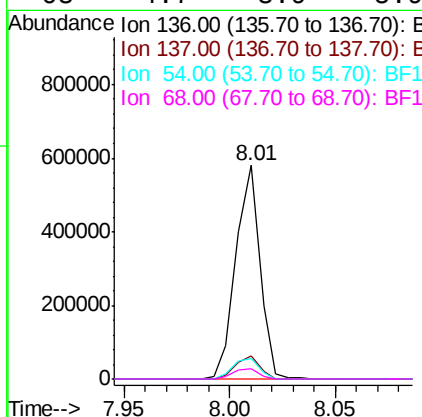
RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Tgt Ion:	136	Resp:	459428
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	9.7	8.5	12.7
68	4.7	3.9	5.9





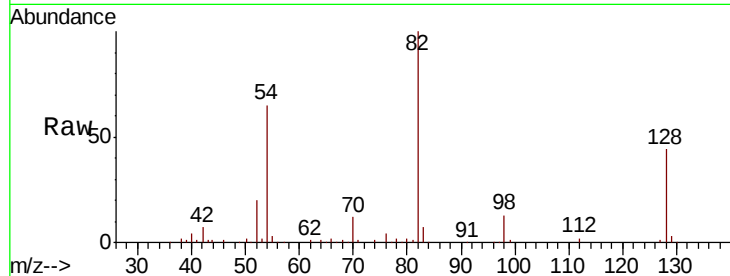
#23
Nitrobenzene-d5
Concen: 13.827 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

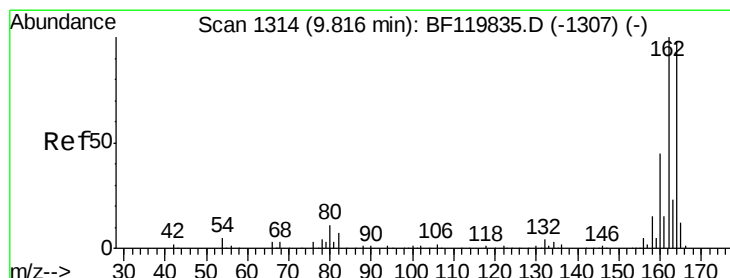
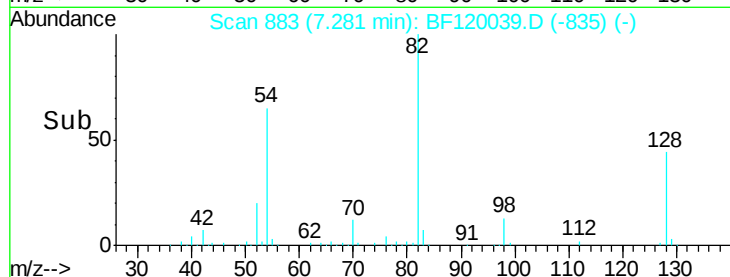
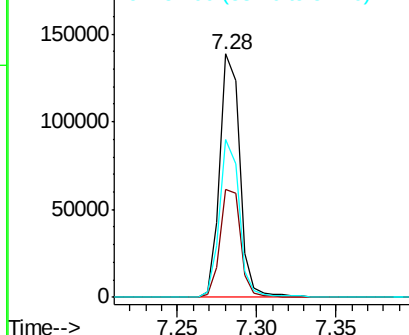
Tot Ion	Ratio	Resp	Lower	Upper
82	100	122795		
128	44.2	36.2	54.4	
54	64.8	50.4	75.6	

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM

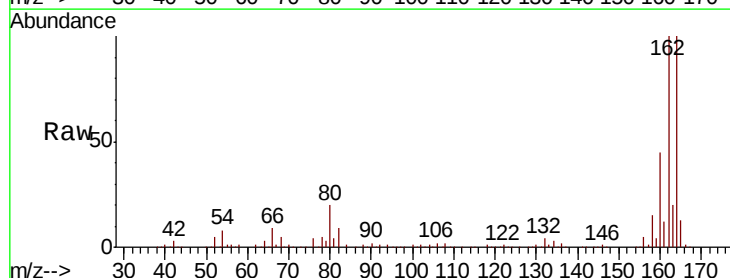


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

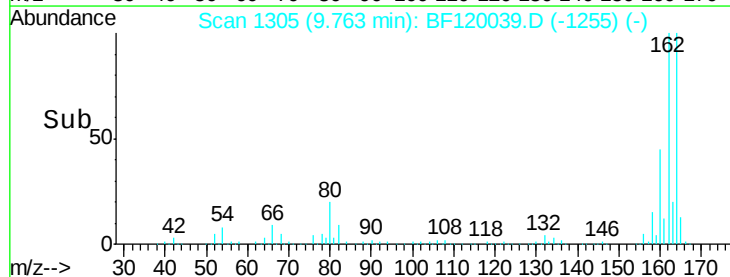
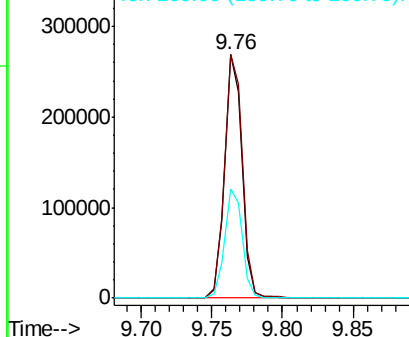


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	230439		
162	100.1	81.9	122.9	
160	45.1	36.6	54.8	



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 11.606 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Instrument :

BNA_F

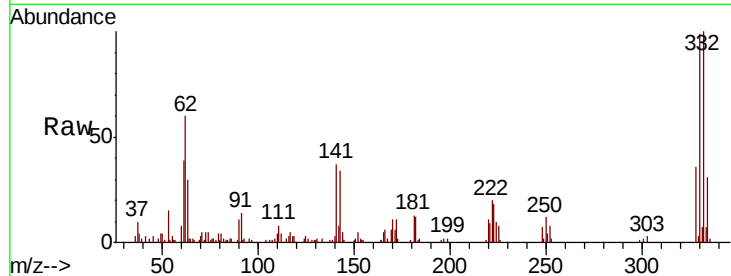
ClientSampleId :

TP-40-41-42

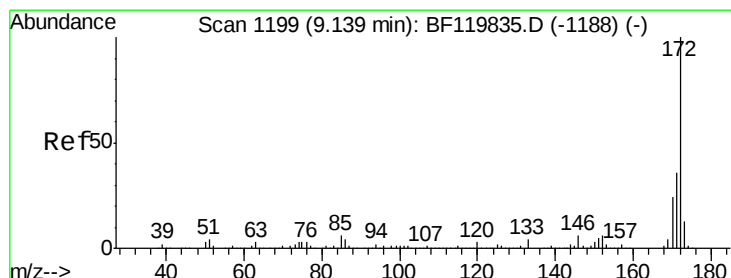
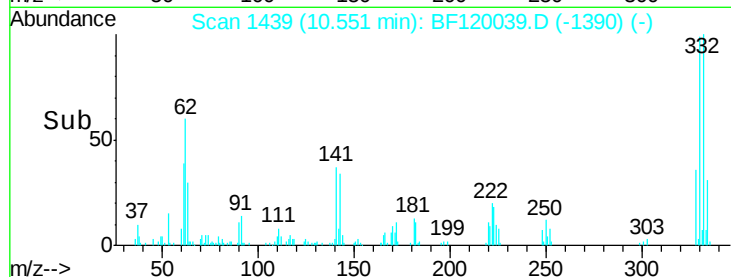
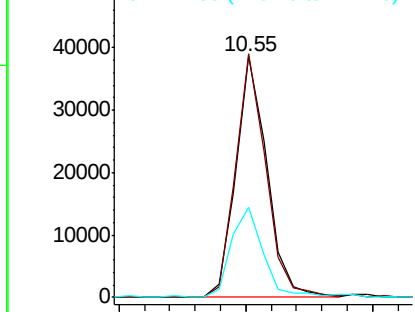
Tot Ion:	330	Resp:	32745
Ion Ratio	Lower	Upper	
330	100		
332	99.8	76.8	115.2
141	39.7	25.1	37.7#

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 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: 16.132 ng

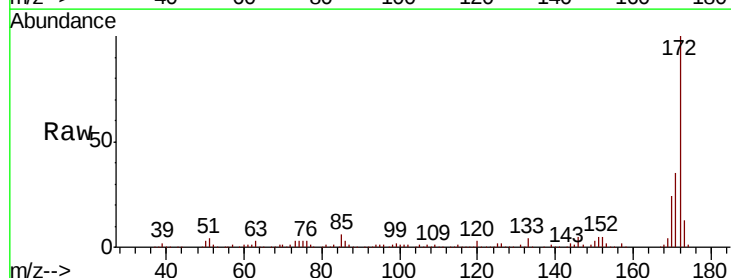
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

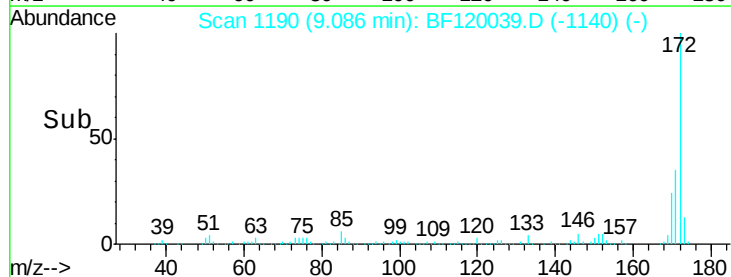
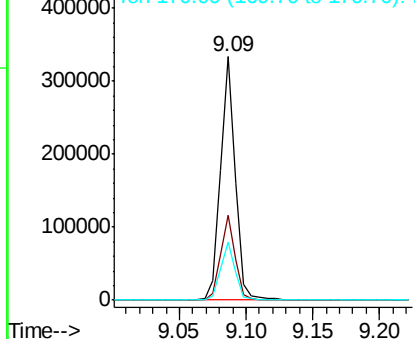
Lab File: BF120039.D

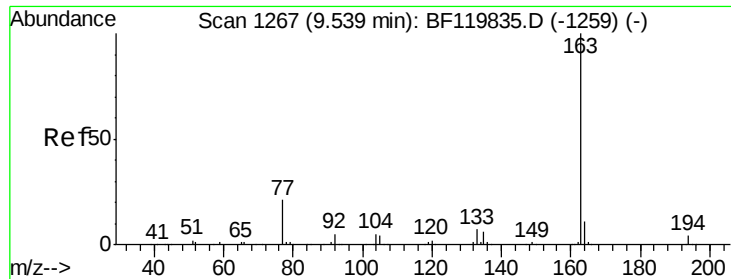
Acq: 16 Apr 2020 16:36

Tgt Ion:	172	Resp:	261835
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.9	43.3
170	23.9	19.4	29.2



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





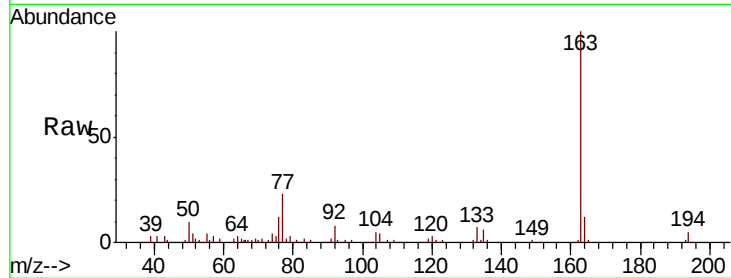
#50
Dimethylphthalate
Concen: 2.194 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

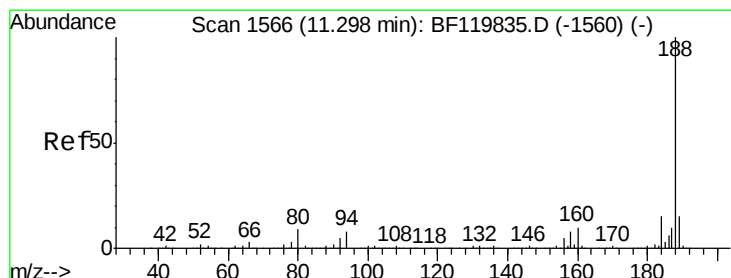
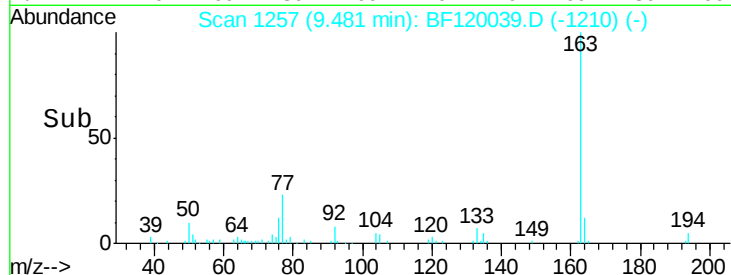
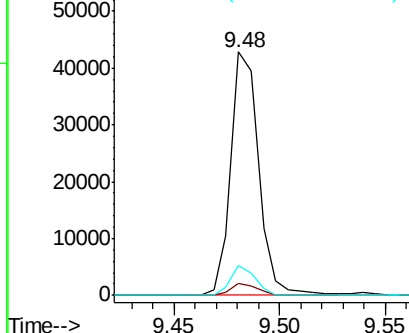
Tot Ion	Ratio	Resp	Lower	Upper
163	100	39105		
194	4.7		3.0	4.4#
164	12.4		8.4	12.6

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM

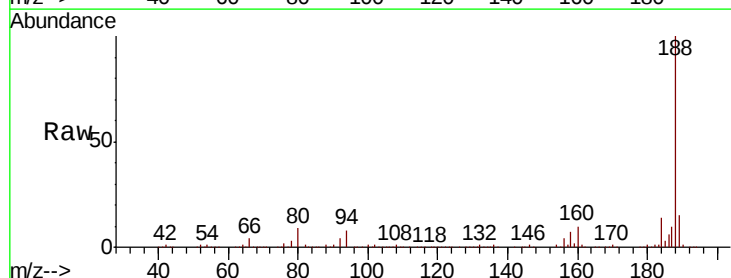


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

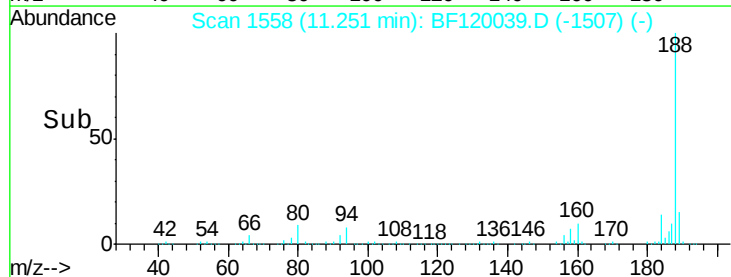
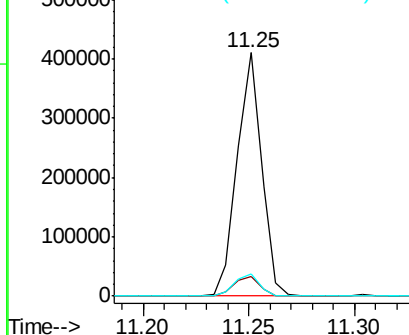


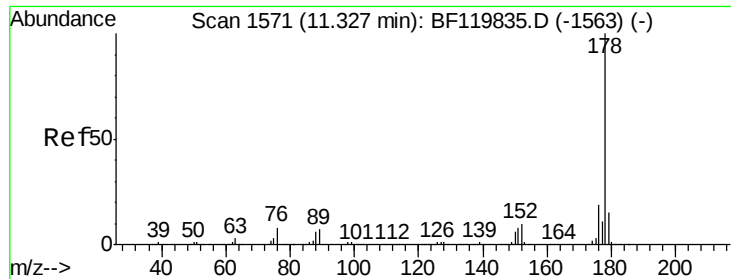
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	330493		
94	8.3		6.7	10.1
80	9.2		7.4	11.2



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: 12.452 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Instrument :

BNA_F

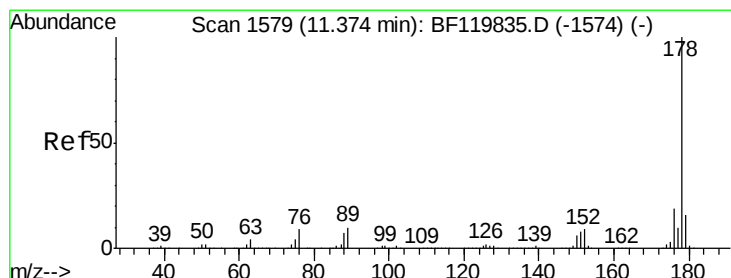
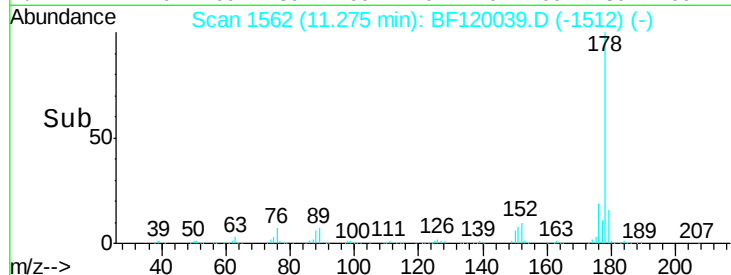
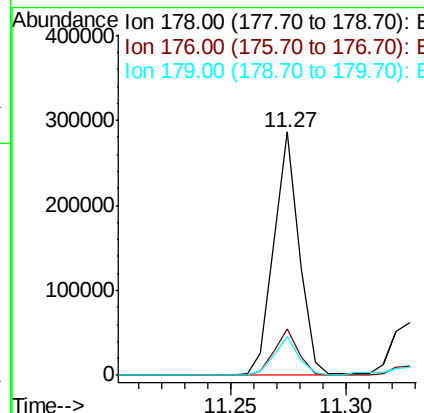
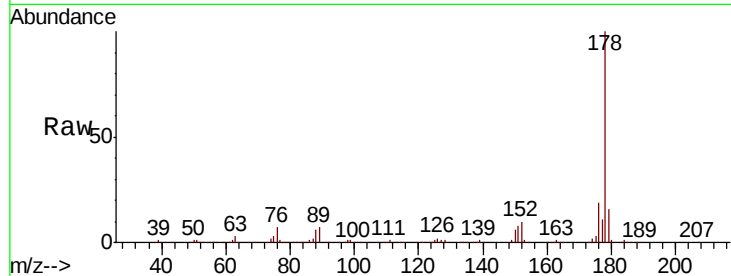
ClientSampleId :

TP-40-41-42

Tot Ion:178	Resp:	219028
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.1 22.7
179	16.1	12.2 18.4

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM



#72

Anthracene

Concen: 2.893 ng

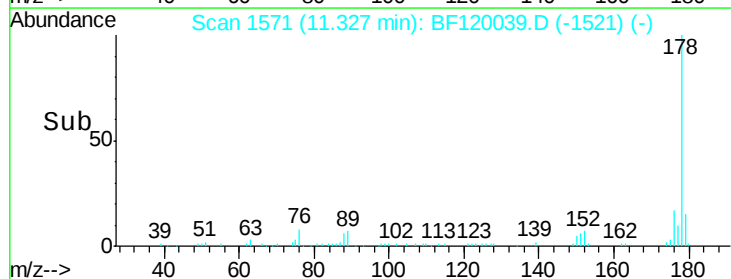
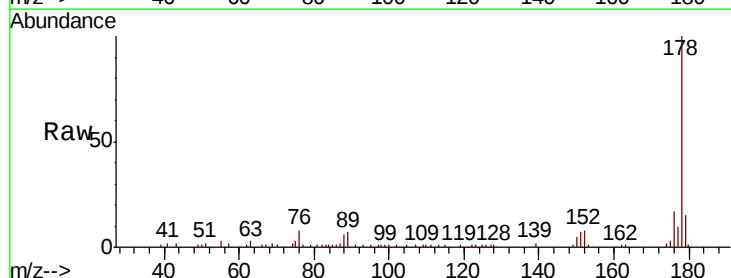
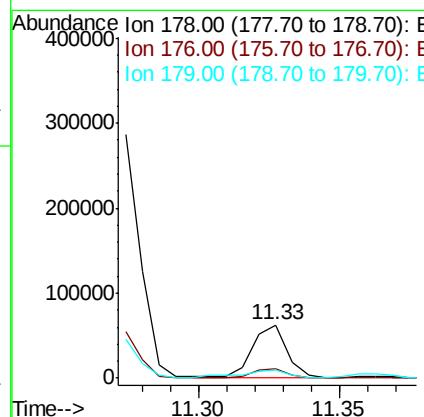
RT: 11.33 min Scan# 1571

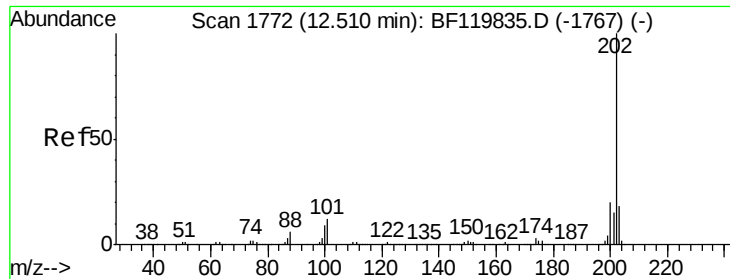
Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Tgt Ion:178	Resp:	51976
Ion Ratio	Lower	Upper
178	100	
176	17.2	15.4 23.2
179	15.0	12.8 19.2





#75

Fluoranthene

Concen: 16.387 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Instrument :

BNA_F

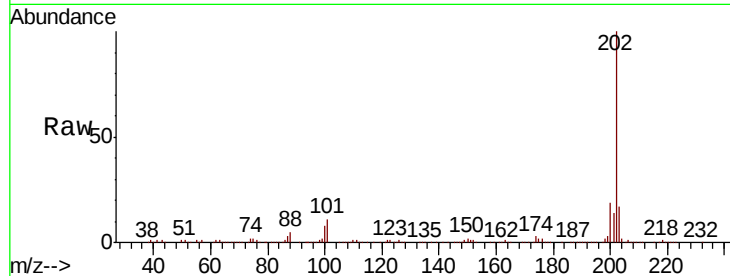
ClientSampled :

TP-40-41-42

Tot Ion:	202	Resp:	310998
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	32.3
203	17.5	0.0	37.6

Manual Integrations
APPROVED

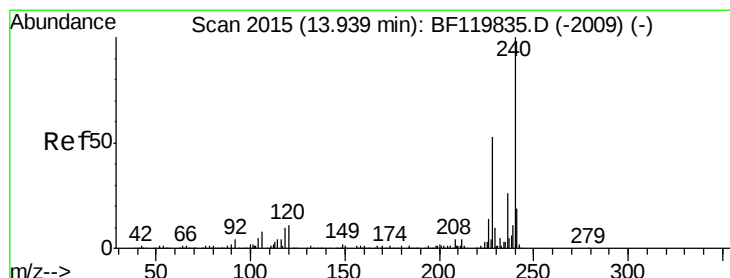
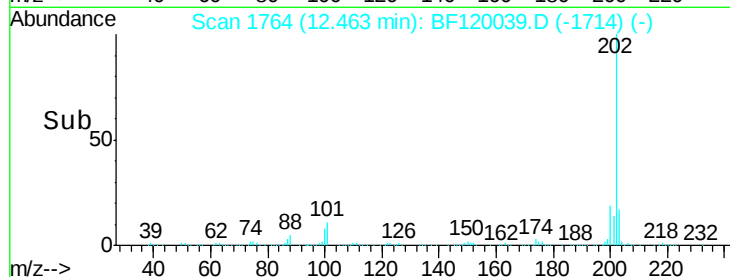
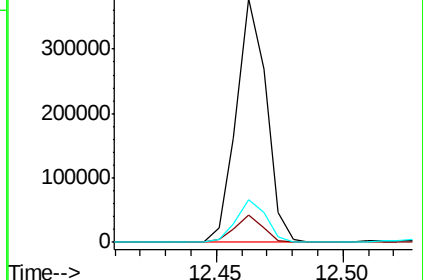
mohammad
4/17/2020 1:48:36 PM



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

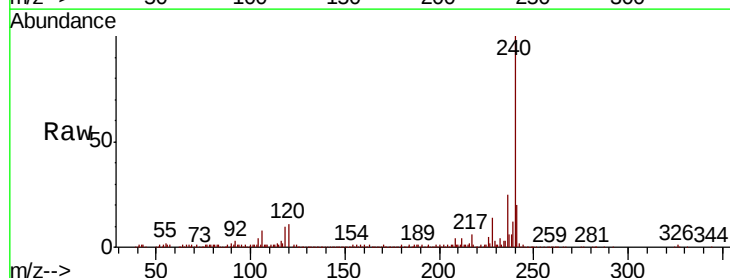
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

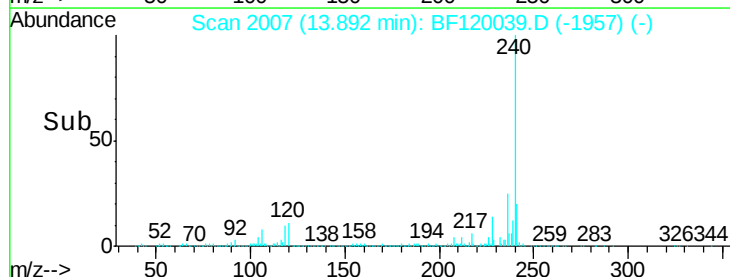
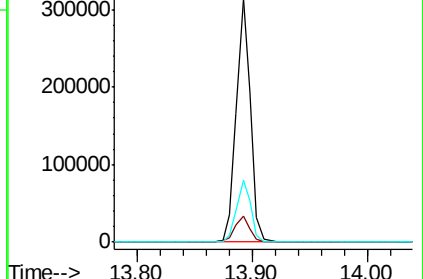
Tgt Ion:	240	Resp:	267726
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.0	13.6
236	25.5	20.7	31.1

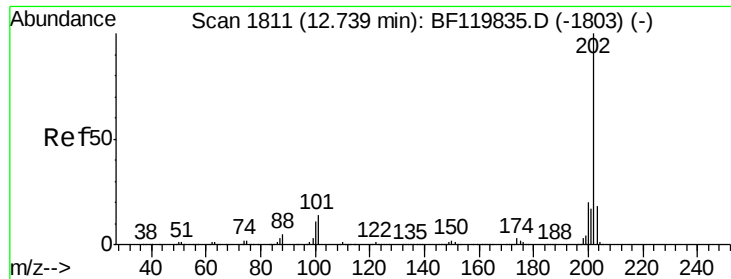


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





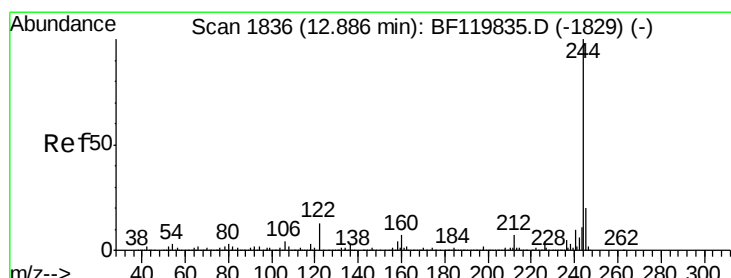
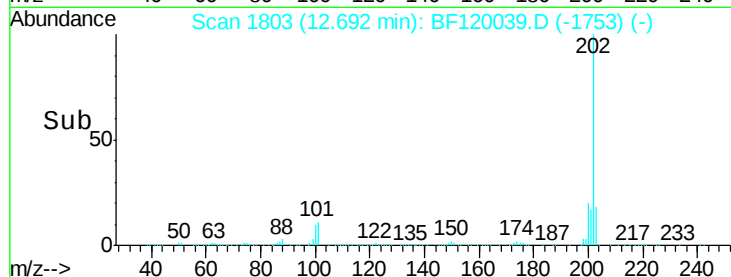
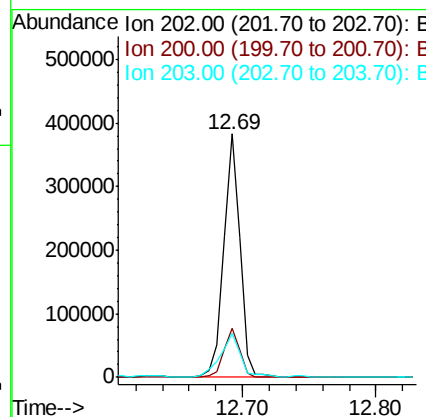
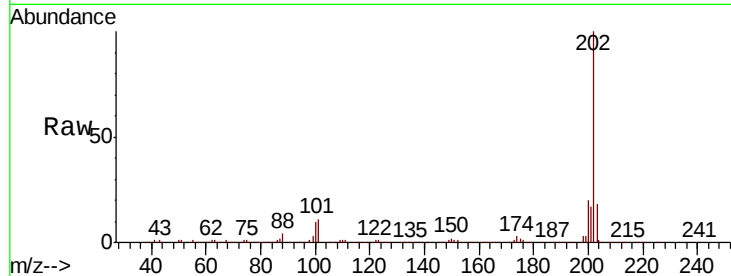
#78
Pvrene
Concen: 14.629 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	18.3	14.1	21.1

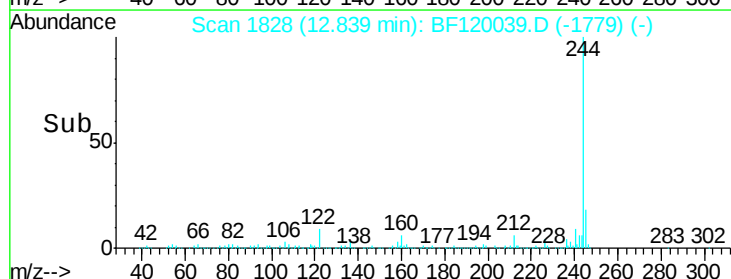
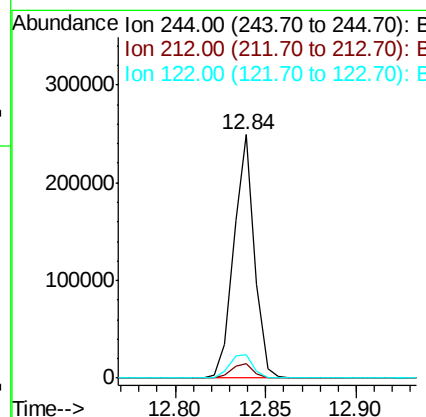
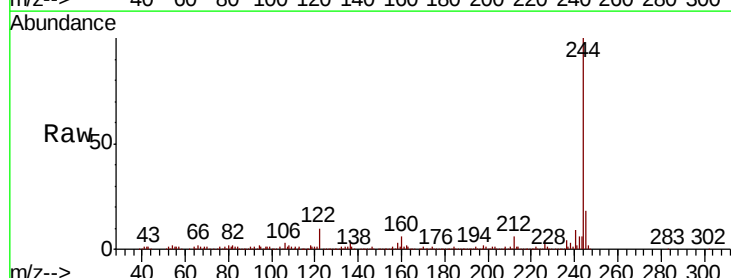
Manual Integrations
APPROVED

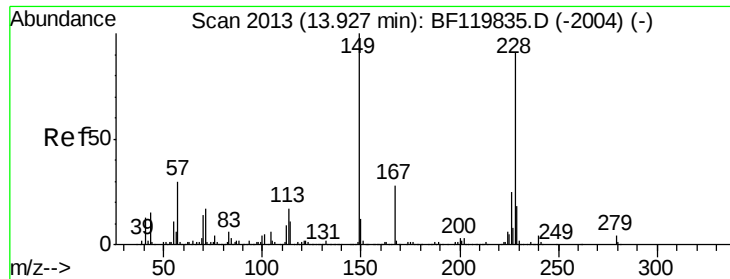
mohammad
4/17/2020 1:48:36 PM



#79
Terphenyl-d14
Concen: 12.377 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	9.5	10.3	15.5#





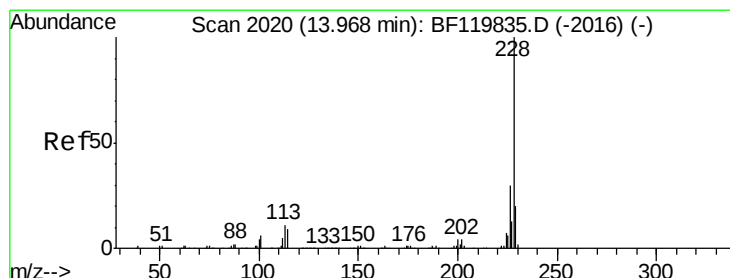
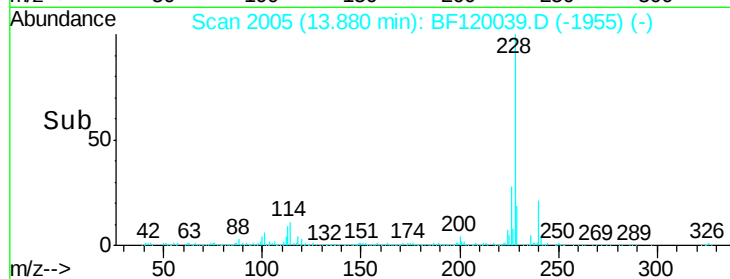
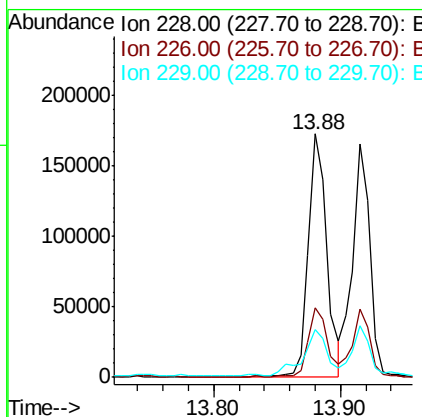
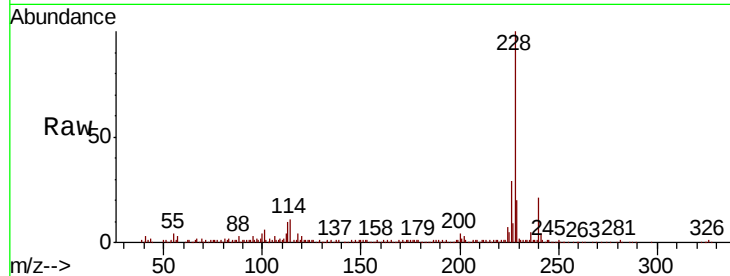
#81
Benzo(a)anthracene
Concen: 10.030 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.9	32.9
229	19.8	15.9	23.9

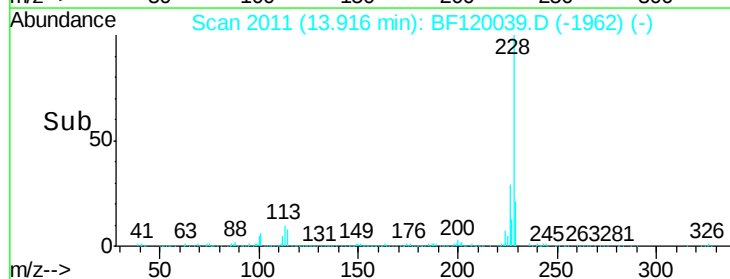
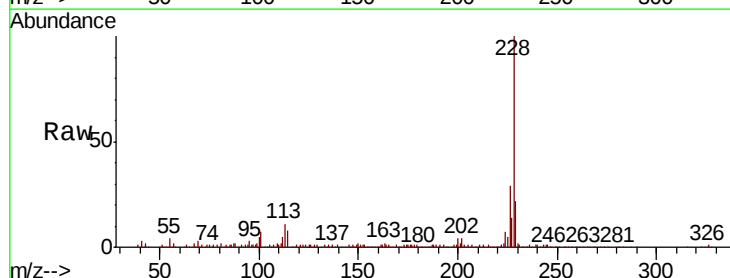
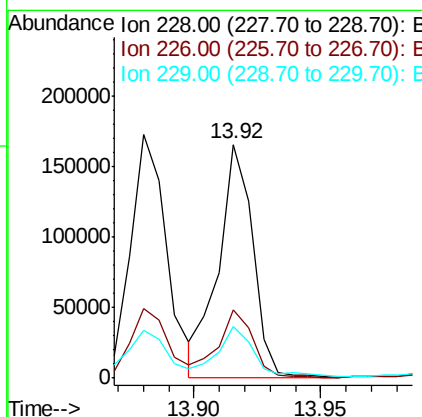
Manual Integrations
APPROVED

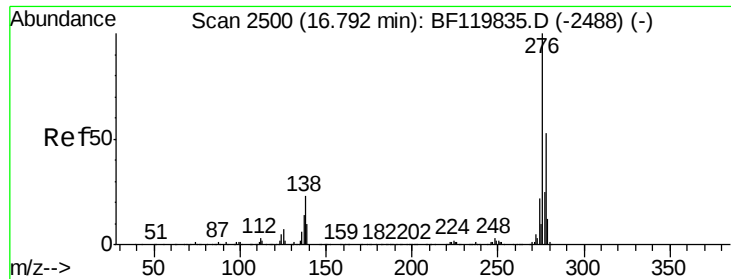
mohammad
4/17/2020 1:48:36 PM



#83
Chrysene
Concen: 8.720 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	21.8	15.9	23.9





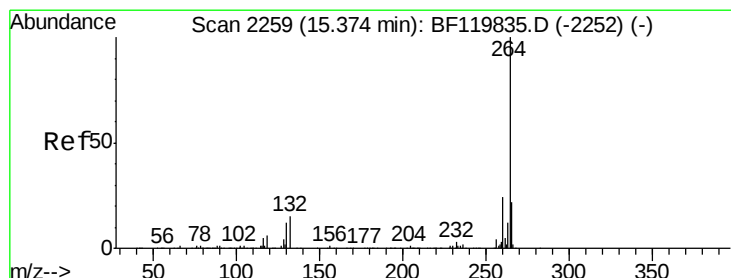
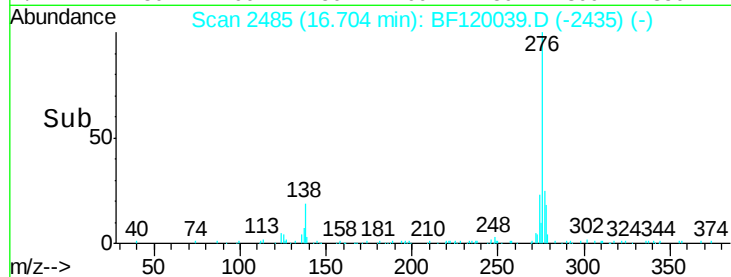
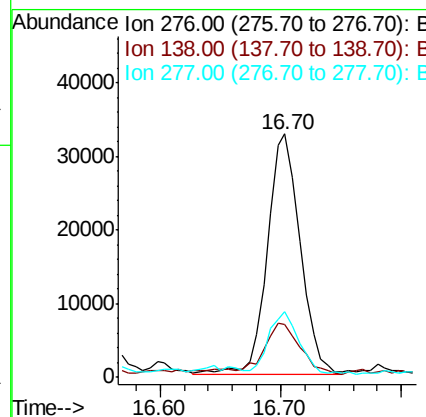
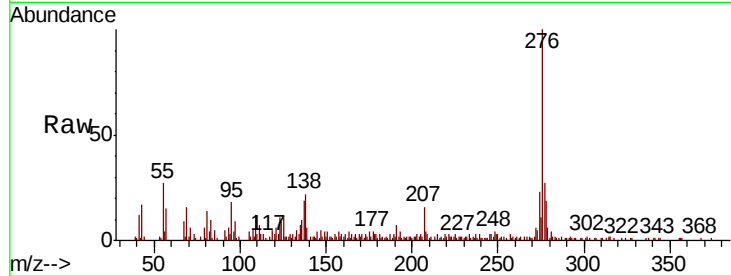
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.867 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
TP-40-41-42

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.0	27.0
277	23.4	20.1	30.1

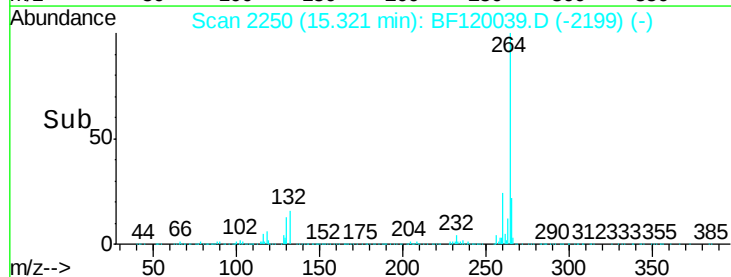
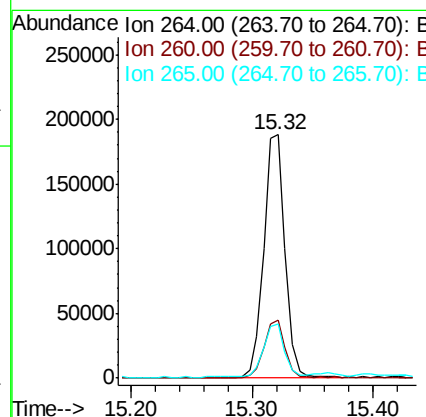
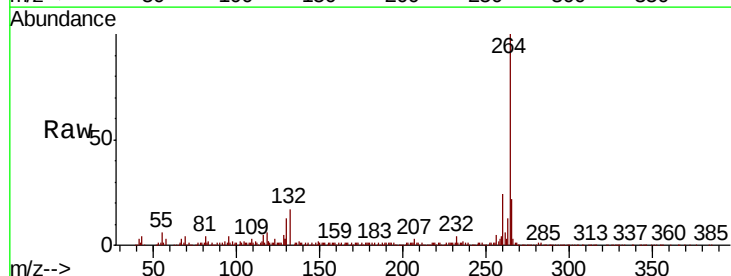
Manual Integrations
APPROVED

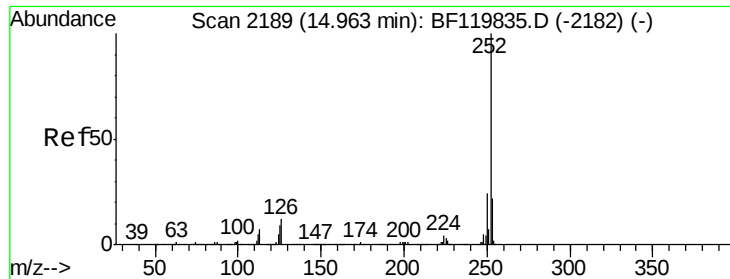
mohammad
4/17/2020 1:48:36 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.00 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	22.3	17.6	26.4





#88

Benzo(b)fluoranthene

Concen: 9.878 ng m

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Instrument :

BNA_F

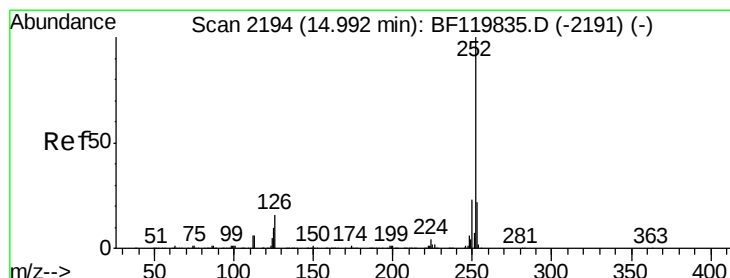
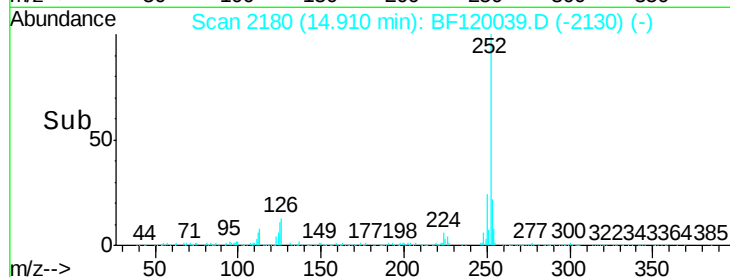
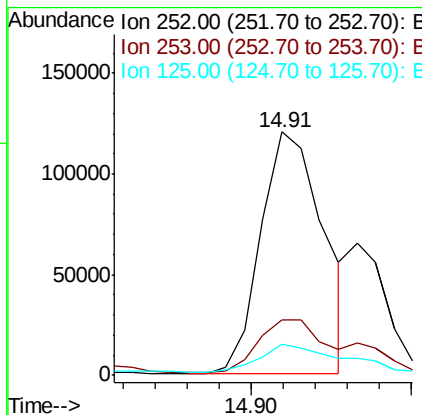
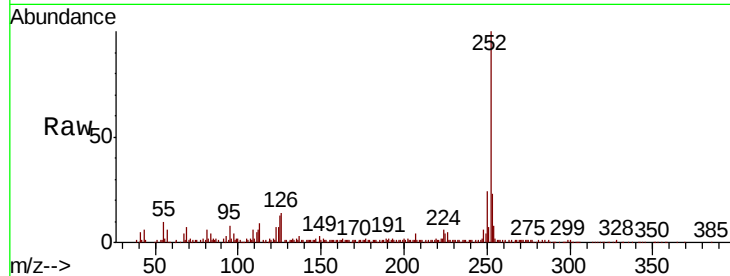
ClientSampleId :

TP-40-41-42

Tot Ion:	252	Resp:	164421
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	12.6	7.4	11.2#

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM



#89

Benzo(k)fluoranthene

Concen: 3.701 ng m

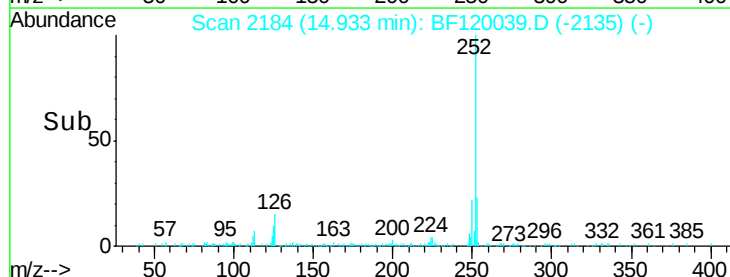
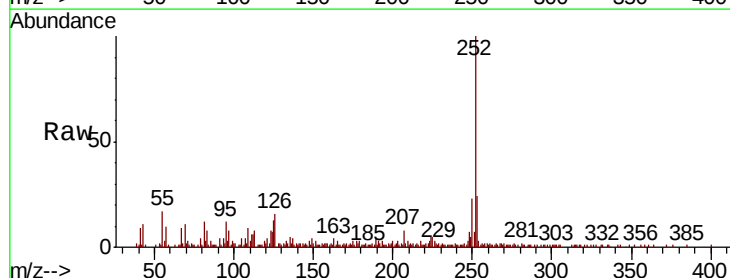
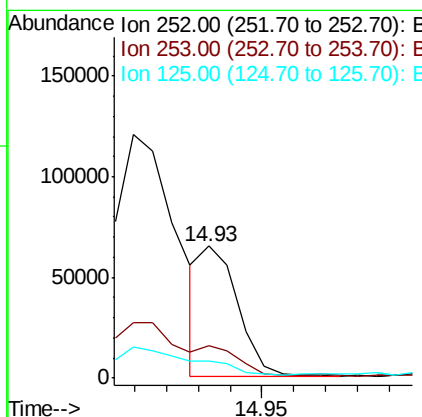
RT: 14.93 min Scan# 2184

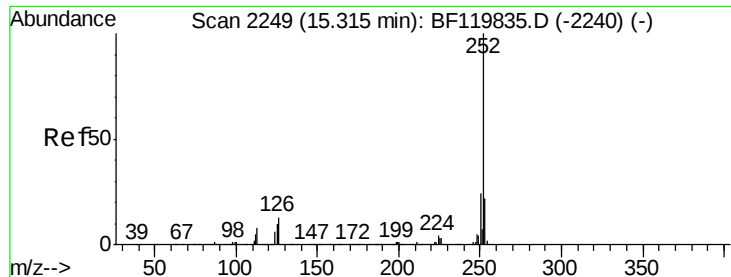
Delta R.T. -0.01 min

Lab File: BF120039.D

Acq: 16 Apr 2020 16:36

Tgt Ion:	252	Resp:	53155
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	13.1	7.7	11.5#





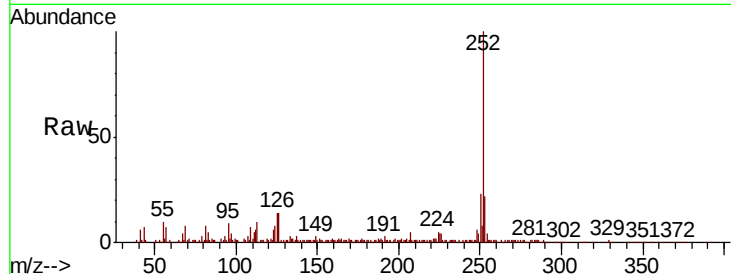
#90
Benzo(a)pyrene
Concen: 8.829 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Instrument :
BNA_F
ClientSampled :
TP-40-41-42

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.7	17.4	26.2
125	14.2	8.3	12.5#

Manual Integrations
APPROVED

mohammad
4/17/2020 1:48:36 PM

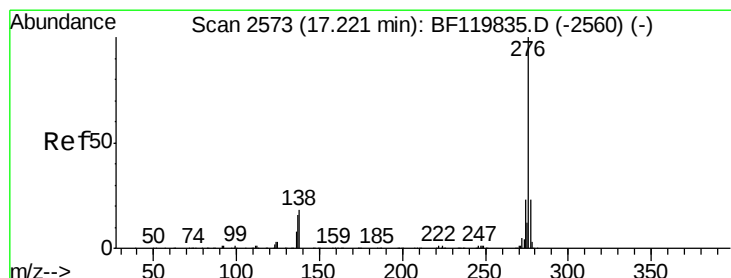
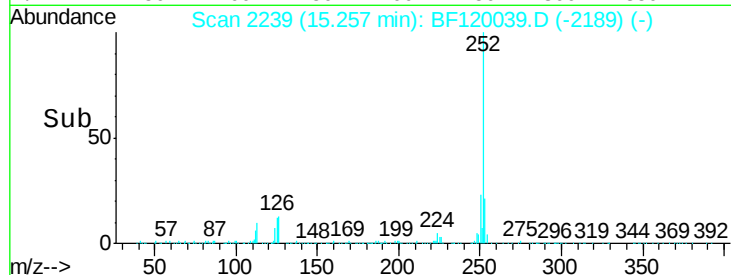
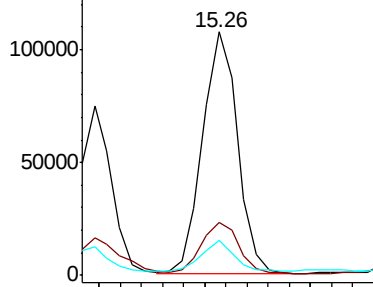


Abundance

Ion 252.00 (251.70 to 252.70): E

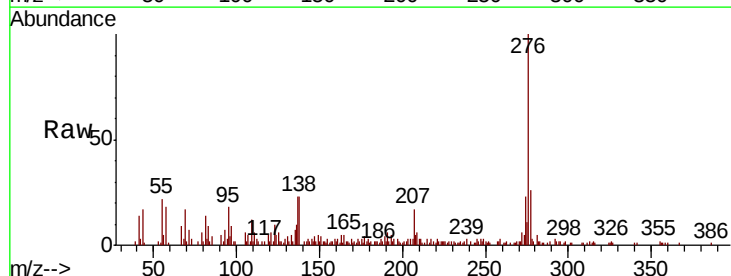
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.608 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF120039.D
Acq: 16 Apr 2020 16:36

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.7	18.5	27.7
138	23.1	14.6	22.0#



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

