

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
 Data File : BF119522.D
 Acq On : 26 Mar 2020 2:10
 Operator : CG/JU
 Sample : L2013-06 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-1BC-1B-0-5

Manual Integrations
 APPROVED

mohammad
 3/27/2020 8:12:17 AM

Quant Time: Mar 26 07:21:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	292236	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	1101176	20.00	ng	-0.02
39) Acenaphthene-d10	9.89	164	569077	20.00	ng	-0.02
64) Phenanthrene-d10	11.37	188	1037028	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	609415	20.00	ng	-0.02
87) Perylene-d12	15.48	264	576048	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	220363	12.00	ng	-0.02
7) Phenol-d6	6.45	99	290537	12.39	ng	-0.02
23) Nitrobenzene-d5	7.40	82	171954	8.49	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	79866	13.60	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	367927	9.58	ng	-0.02
79) Terphenyl-d14	12.96	244	371130	11.93	ng	-0.02
Target Compounds						
71) Phenanthrene	11.39	178	188240	3.501	ng	97
75) Fluoranthene	12.59	202	411900	7.078	ng	97
78) Pyrene	12.82	202	342833	6.855	ng	97
81) Benzo(a)anthracene	14.00	228	146961m	3.708	ng	
83) Chrysene	14.04	228	136820	3.345	ng	96
84) Bis(2-ethylhexyl)phthalate	14.00	149	62132	2.577	ng	99
88) Benzo(b)fluoranthene	15.05	252	164292m	4.270	ng	
90) Benzo(a)pyrene	15.42	252	123962	3.545	ng	98
92) Benzo(g,h,i)perylene	17.37	276	74747	2.432	ng	95

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

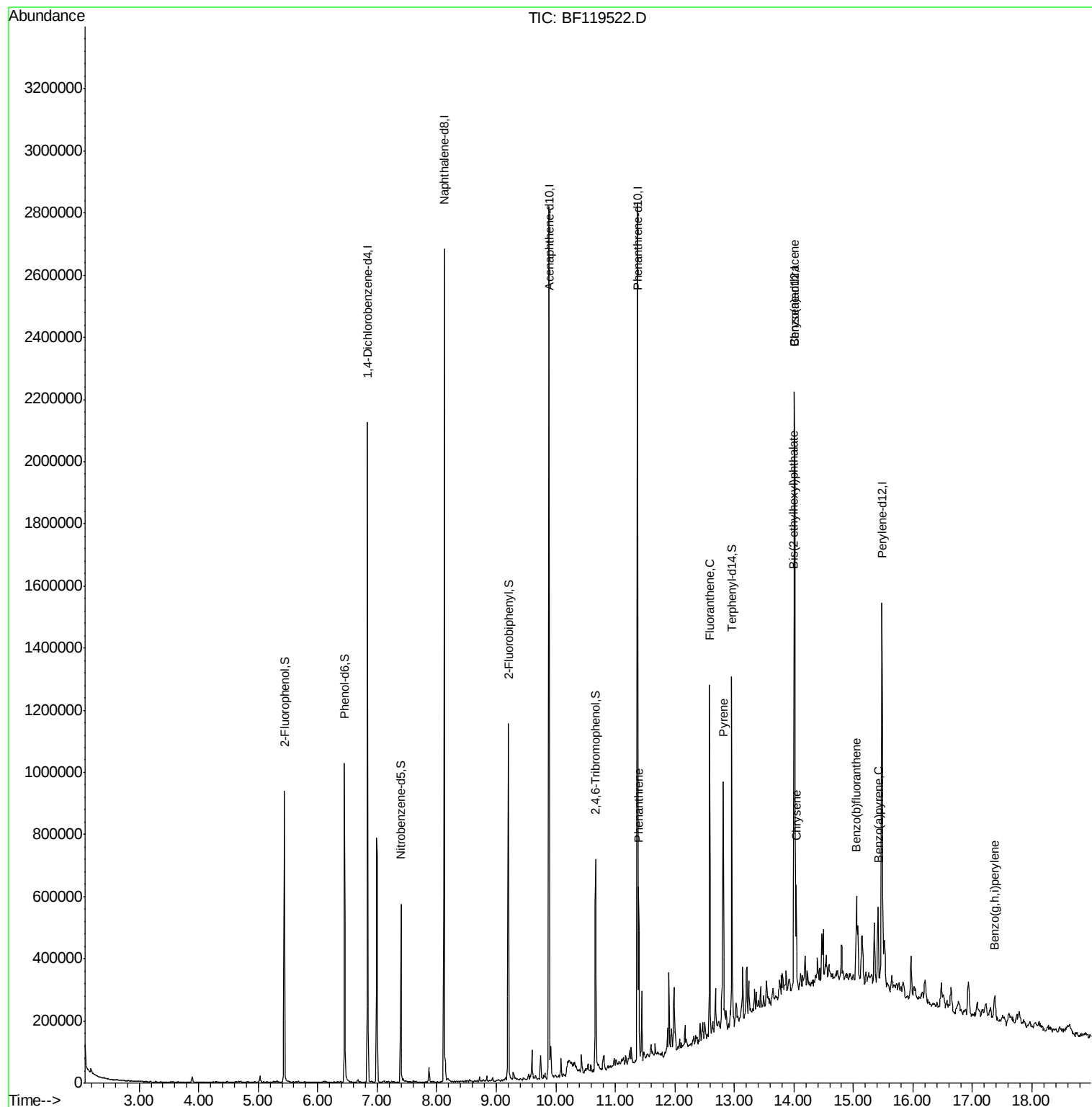
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
Data File : BF119522.D
Acq On : 26 Mar 2020 2:10
Operator : CG/JU
Sample : L2013-06 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-1B-0-5

Manual Integrations
APPROVED

mohammad
3/27/2020 8:12:17 AM

Quant Time: Mar 26 07:21:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration





#1

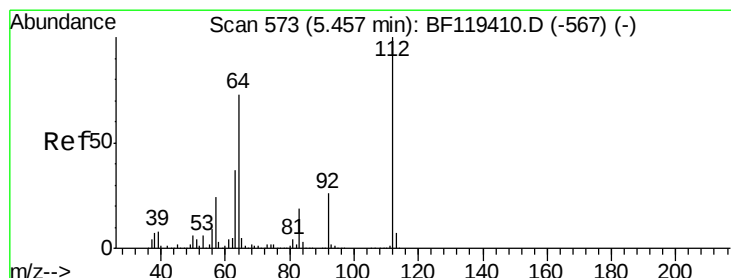
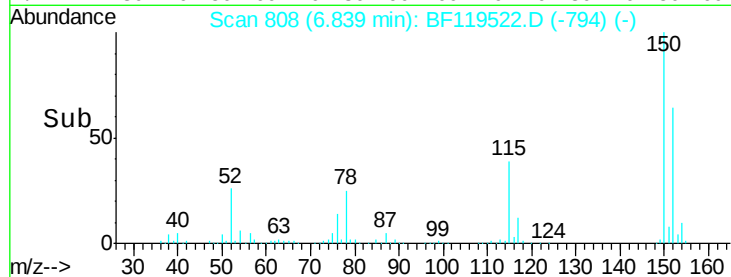
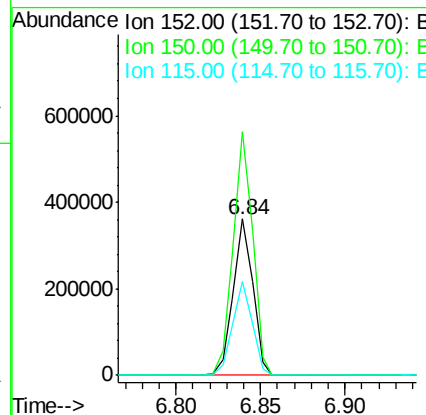
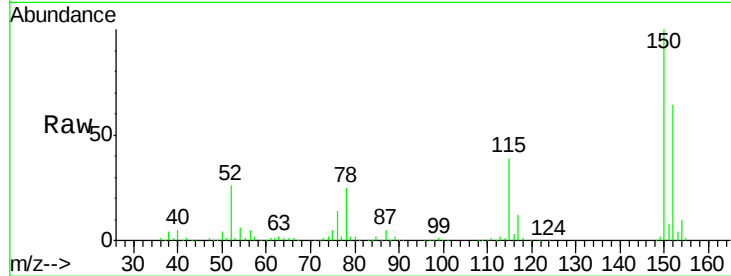
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.9	185.9
115	60.0	47.8	71.6

Manual Integrations
APPROVED

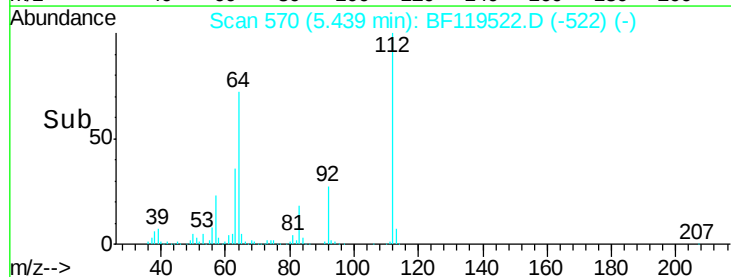
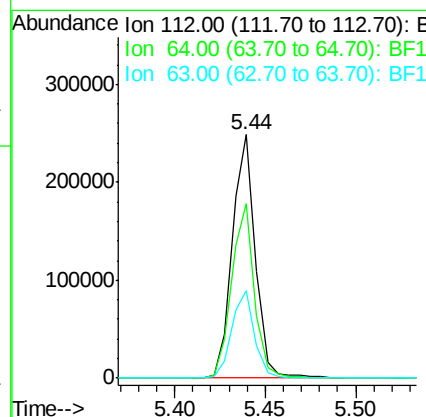
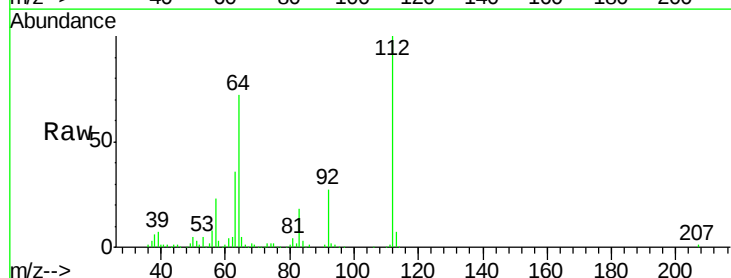
mohammad
3/27/2020 8:12:17 AM

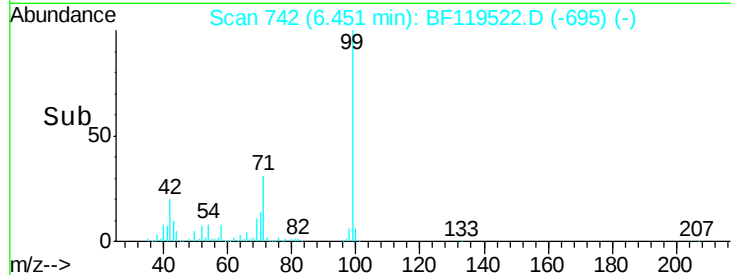
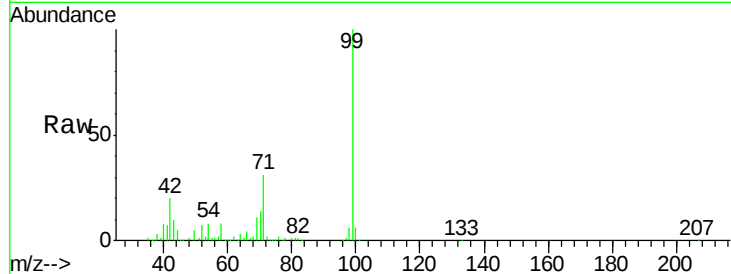
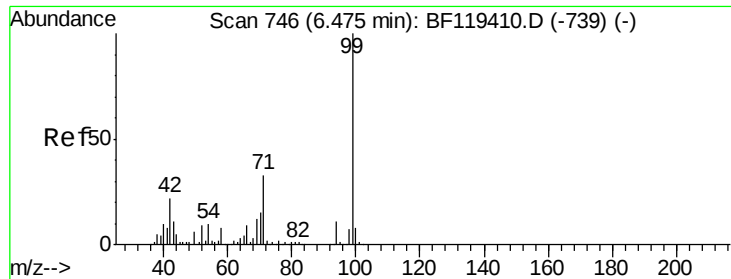


#5

2-Fluorophenol
Concen: 12.004 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	58.1	87.1
63	35.8	29.7	44.5





#7

Phenol-d6

Concen: 12.389 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		290537		
42	20.1	17.8	26.6		
71	31.0	26.0	39.0		

Instrument :

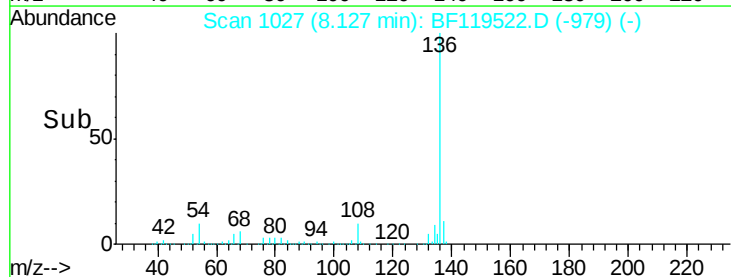
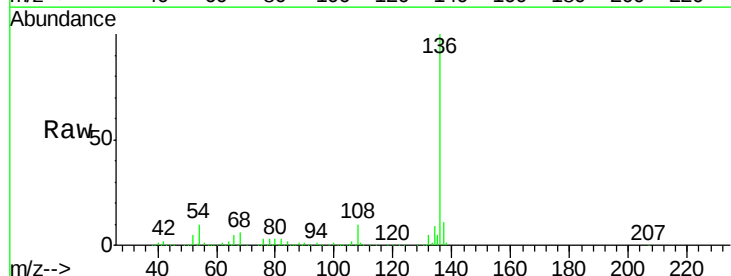
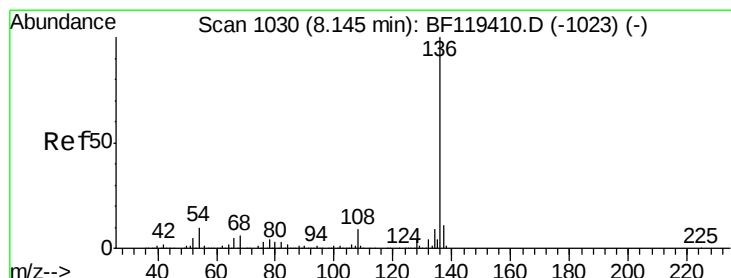
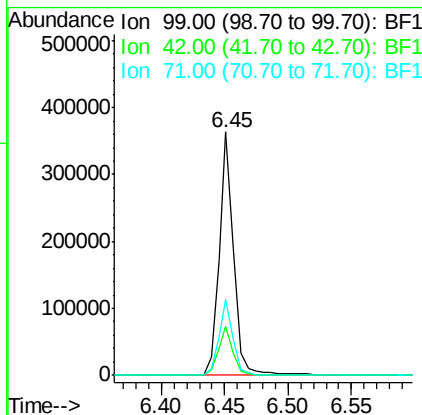
BNA_F

ClientSampleId :

GHD1-1BC-IB-0-5

Manual Integrations
APPROVED

mohammad
3/27/2020 8:12:17 AM



#21

Naphthalene-d8

Concen: 20.000 ng

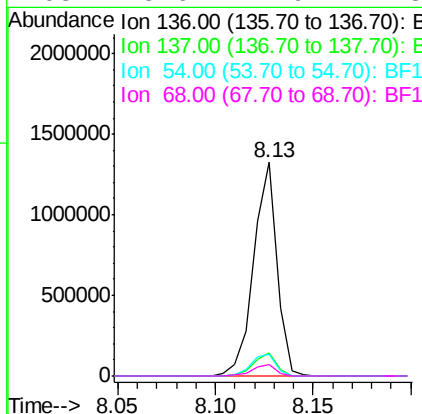
RT: 8.13 min Scan# 1027

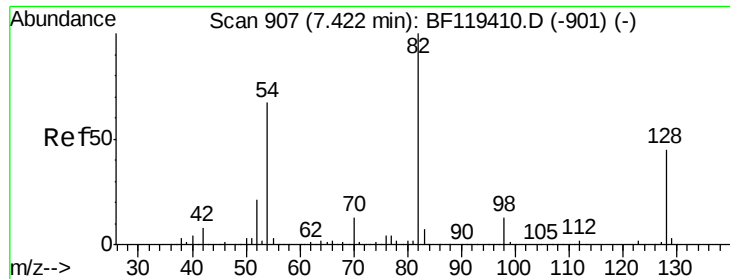
Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1101176		
137	10.9	8.4	12.6		
54	10.2	8.3	12.5		
68	5.6	4.9	7.3		





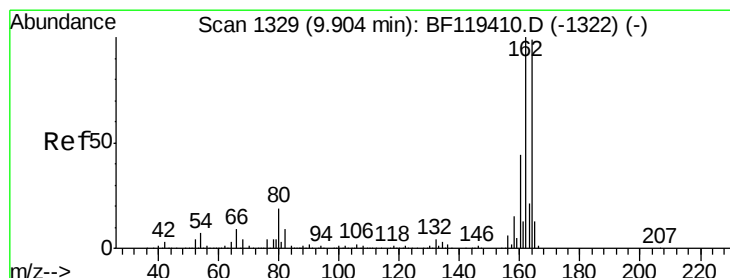
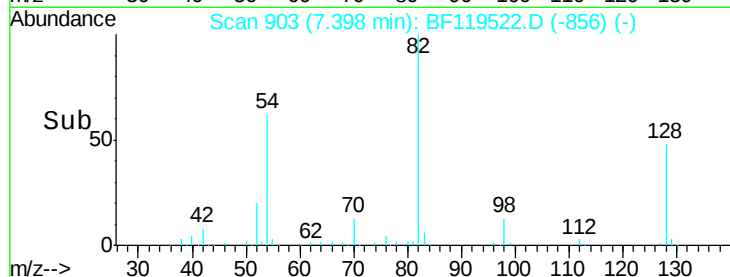
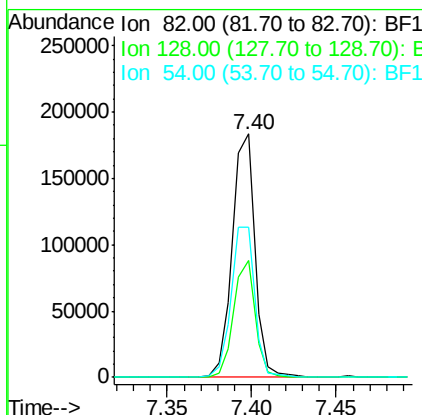
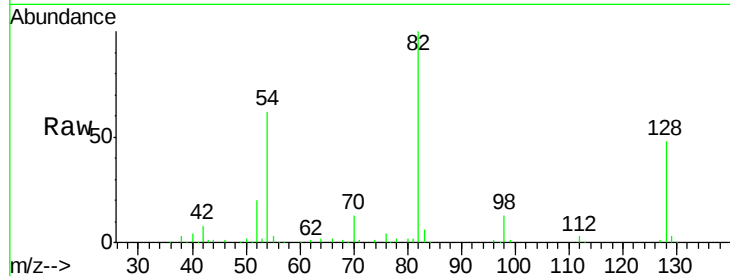
#23
Nitrobenzene-d5
Concen: 8.487 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	35.8	53.8
54	61.7	53.4	80.0

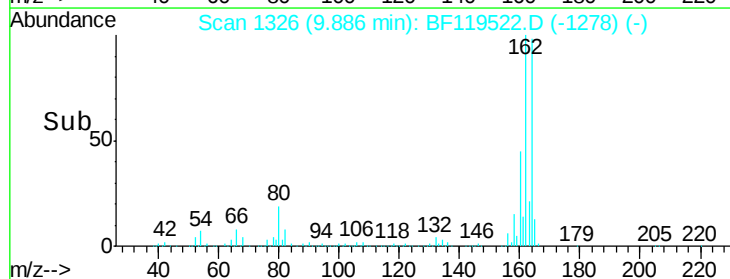
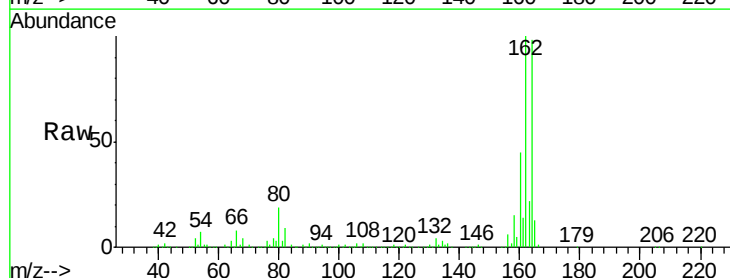
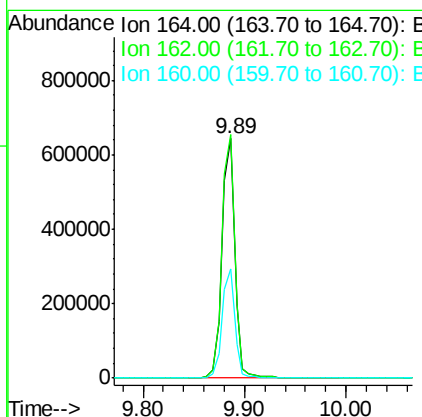
Manual Integrations
APPROVED

mohammad
3/27/2020 8:12:17 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.7	121.1
160	45.5	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 13.604 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

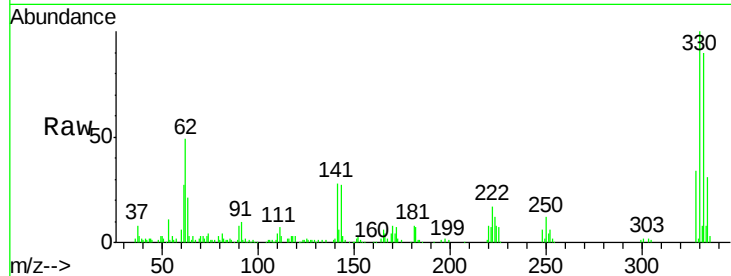
ClientSampleId :

GHD1-1BC-1B-0-5

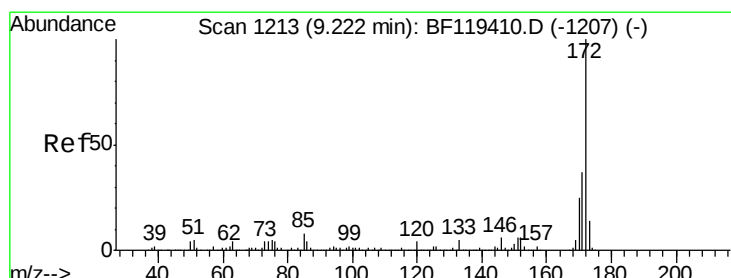
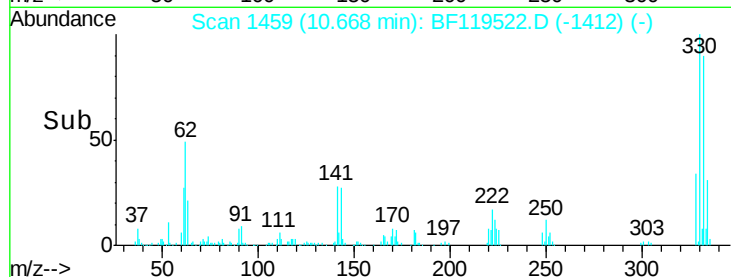
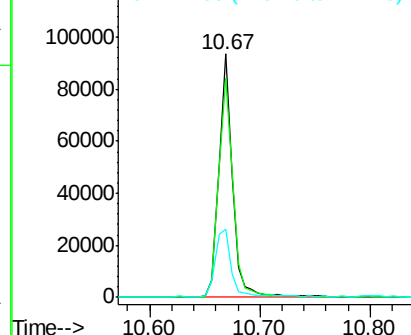
Tot Ion:	330	Resp:	79866
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.6	116.4
141	32.4	26.6	40.0

Manual Integrations
APPROVED

mohammad
3/27/2020 8:12:17 AM



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: 9.578 ng

RT: 9.20 min Scan# 1210

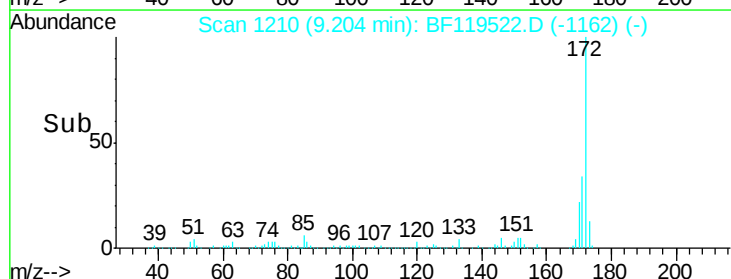
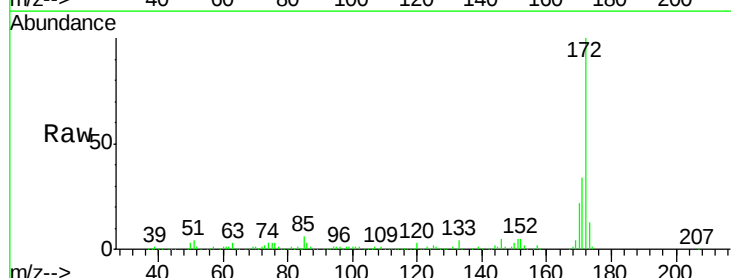
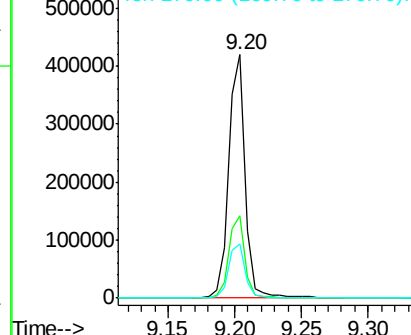
Delta R.T. -0.02 min

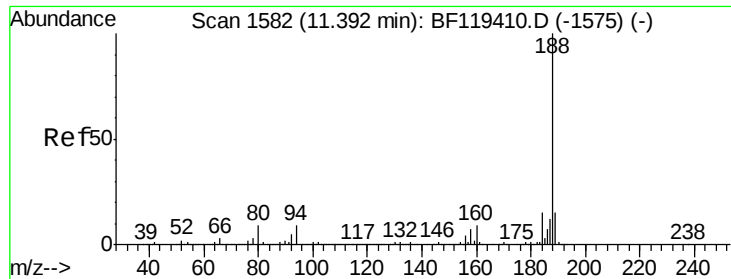
Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Tgt Ion:	172	Resp:	367927
Ion Ratio	Lower	Upper	
172	100		
171	33.9	29.9	44.9
170	22.3	20.1	30.1

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

ClientSampleId :

GHD1-1BC-IB-0-5

Tot Ion:188 Resp: 1037028

Ion Ratio Lower Upper

188 100

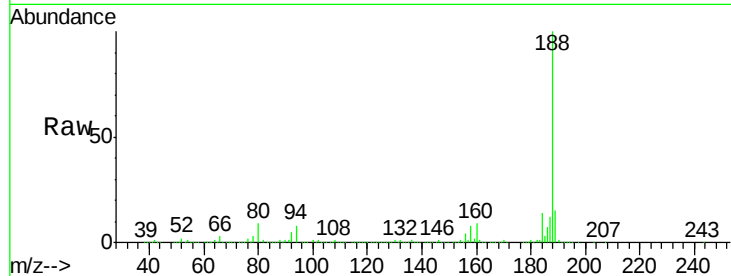
94 8.5 7.1 10.7

80 9.0 7.5 11.3

Manual Integrations
APPROVED

mohammad

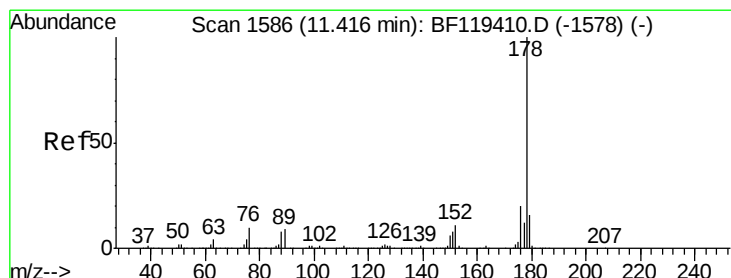
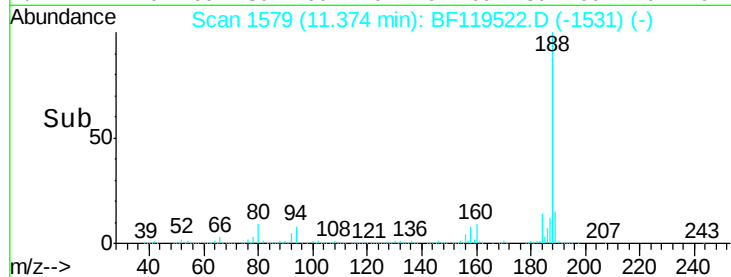
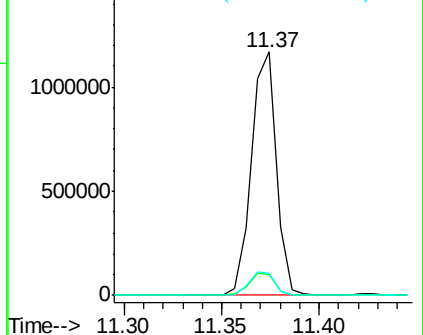
3/27/2020 8:12:17 AM



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: 3.501 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

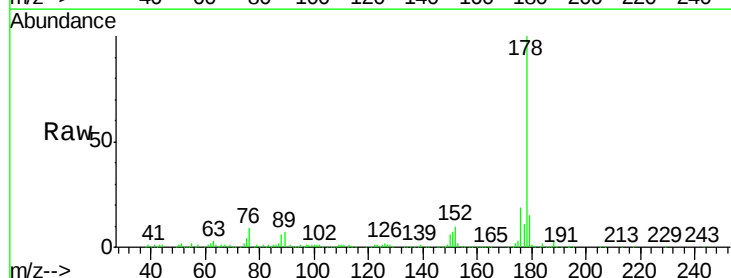
Tgt Ion:178 Resp: 188240

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

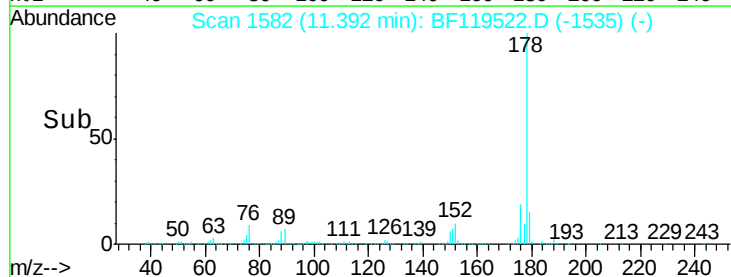
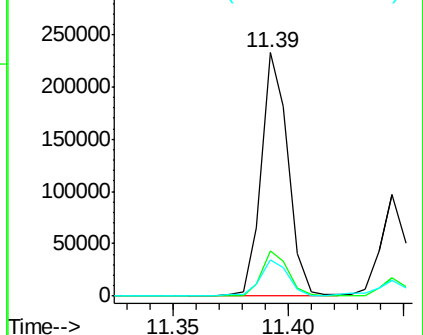
179 15.0 12.9 19.3

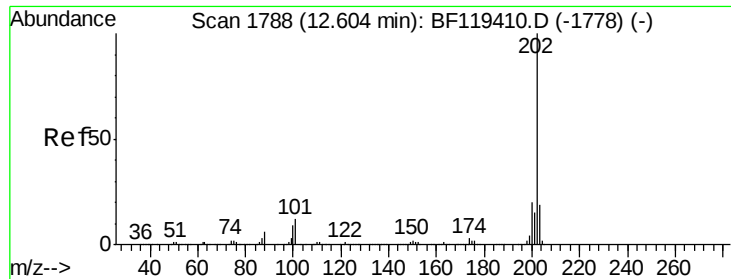


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.078 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

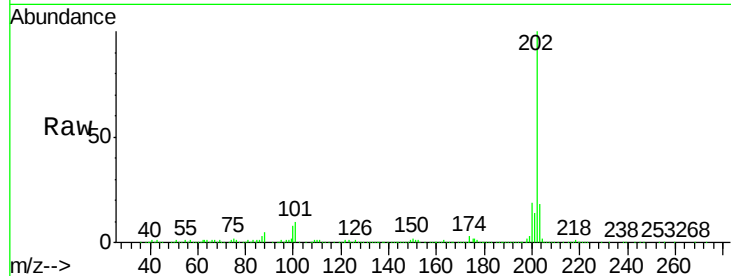
ClientSampleId :

GHD1-1BC-IB-0-5

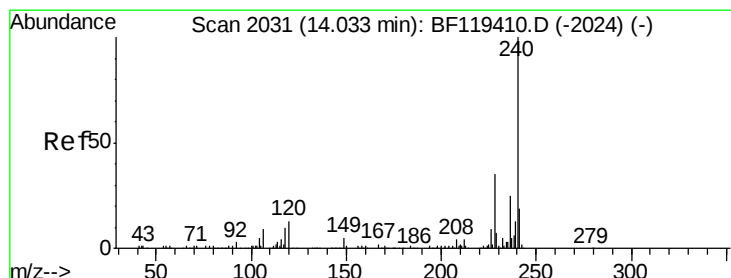
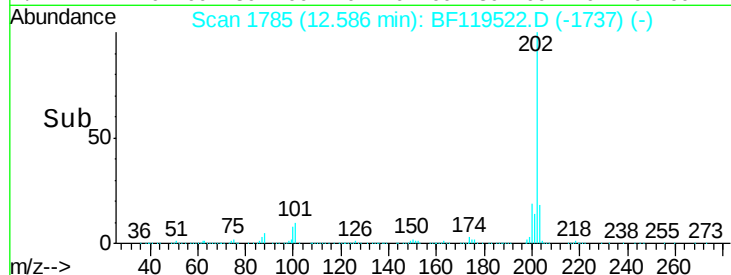
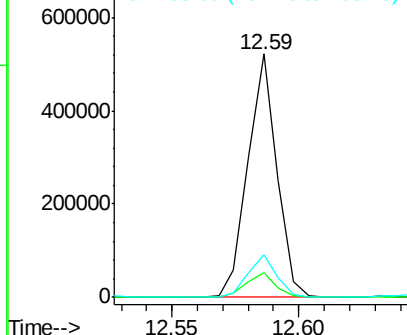
Tot Ion:	202	Resp:	411900
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	32.4
203	17.8	0.0	38.5

Manual Integrations
APPROVED

mohammad
3/27/2020 8:12:17 AM



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: 14.01 min Scan# 2027

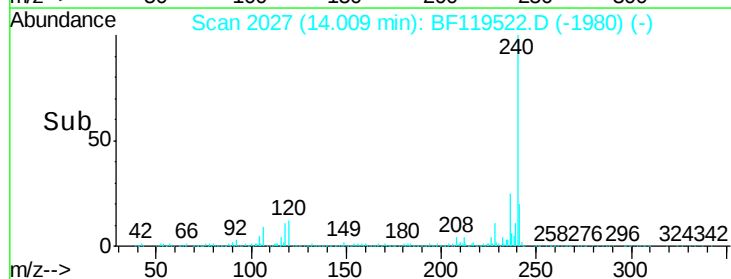
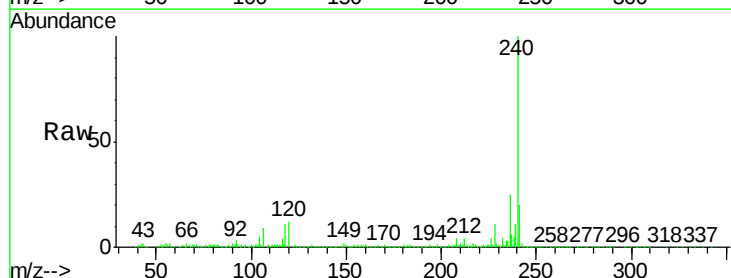
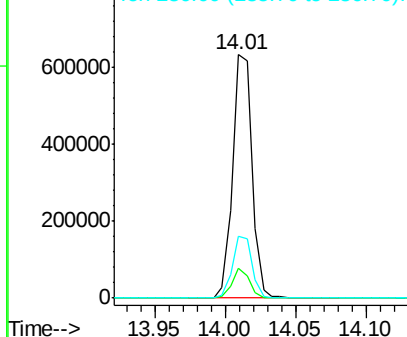
Delta R.T. -0.02 min

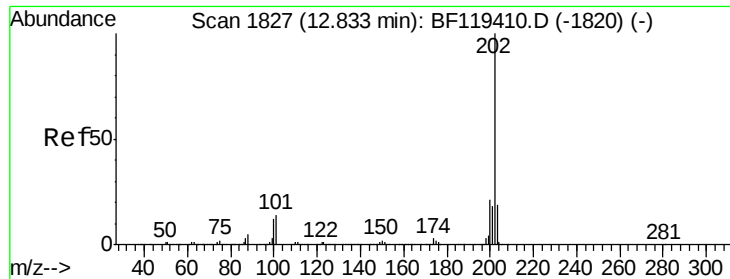
Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Tgt Ion:	240	Resp:	609415
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.2	15.4
236	25.3	20.4	30.6

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





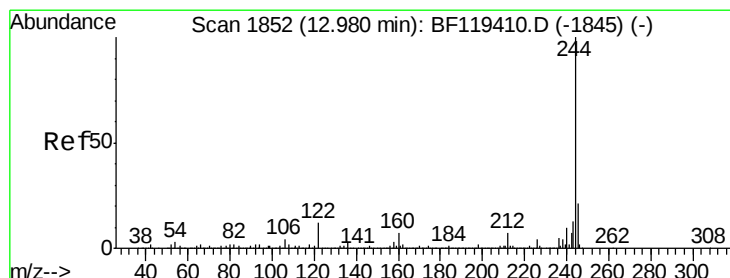
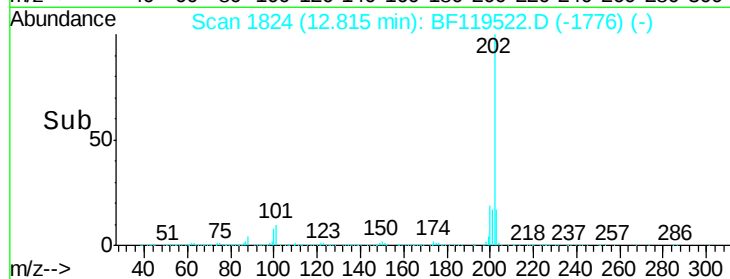
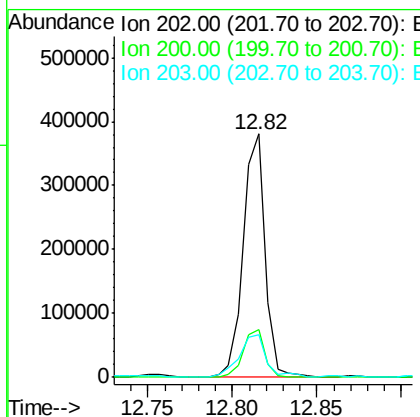
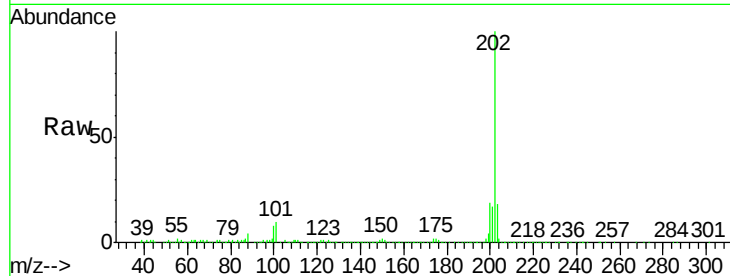
#78
Pvrene
Concen: 6.855 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.5	16.8	25.2	
203	17.7	14.8	22.2	

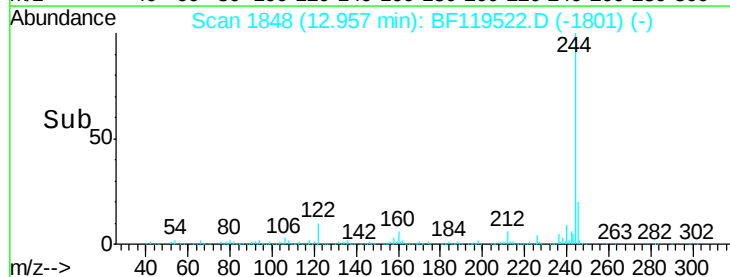
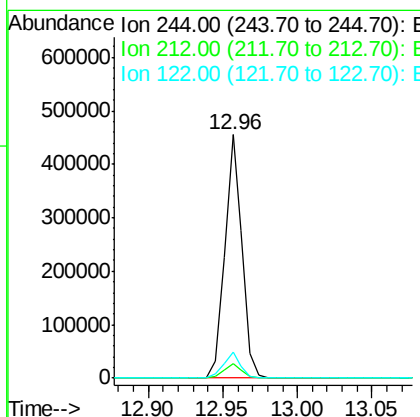
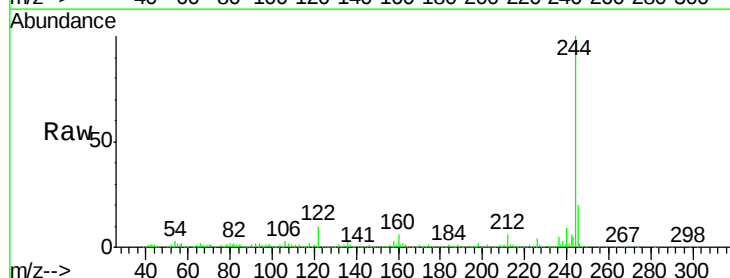
Manual Integrations
APPROVED

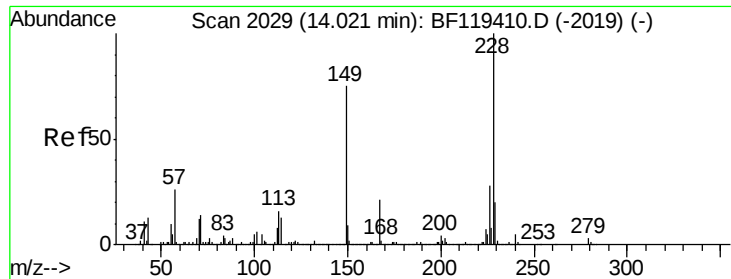
mohammad
3/27/2020 8:12:17 AM



#79
Terphenyl-d14
Concen: 11.931 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.2	5.7	8.5	
122	10.4	9.8	14.8	





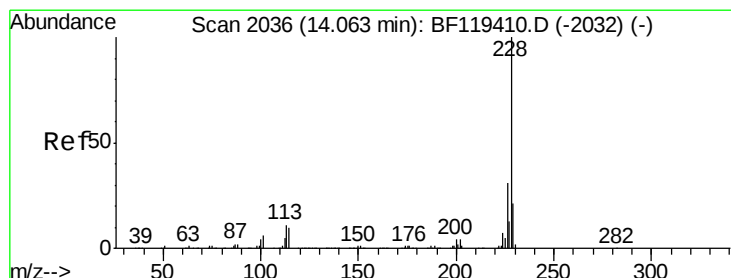
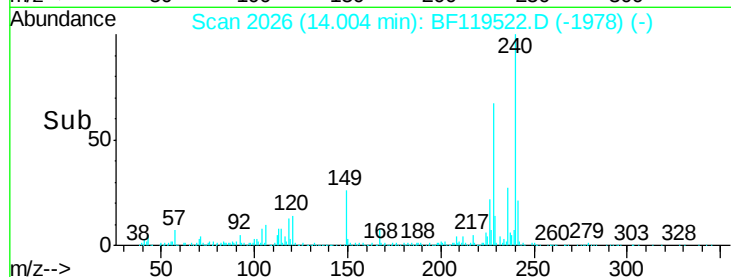
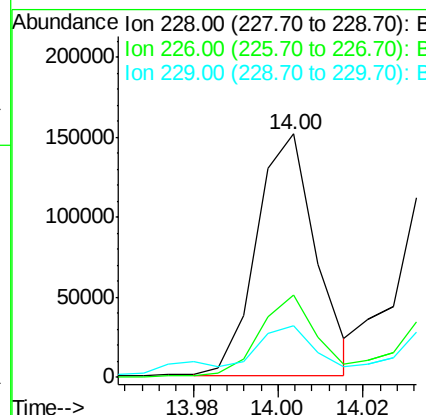
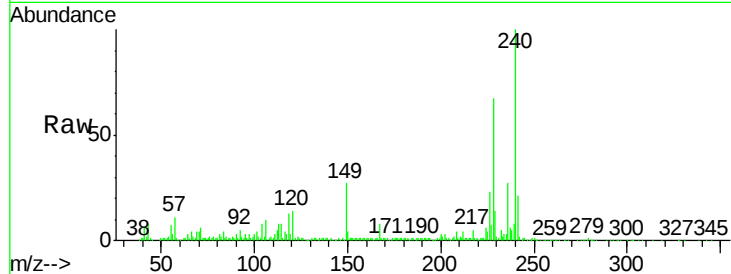
#81
Benzo(a)anthracene
Concen: 3.708 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.3	33.5#
229	21.1	16.3	24.5

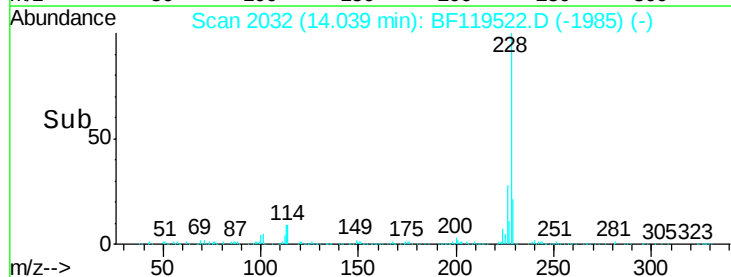
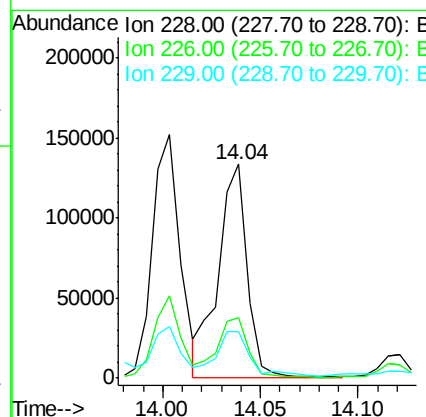
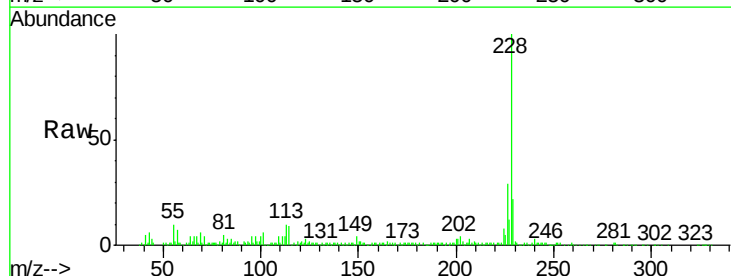
Manual Integrations
APPROVED

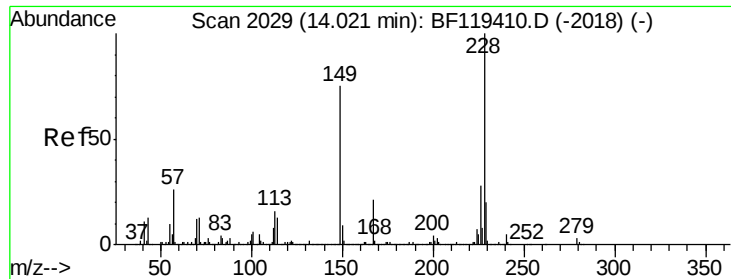
mohammad
3/27/2020 8:12:17 AM



#83
Chrysene
Concen: 3.345 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.8	37.2
229	21.9	16.6	25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.577 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119522.D

Acq: 26 Mar 2020 2:10

Instrument :

BNA_F

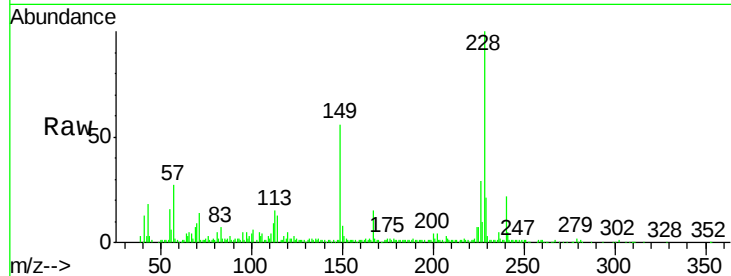
ClientSampleId :

GHD1-1BC-IB-0-5

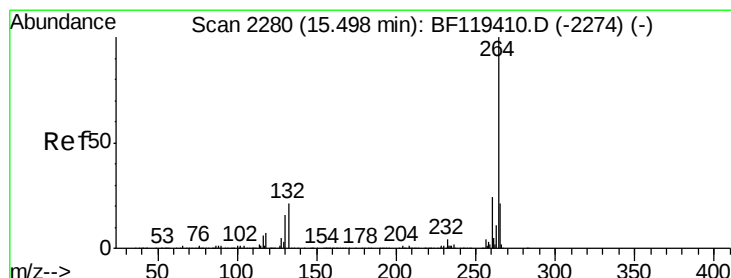
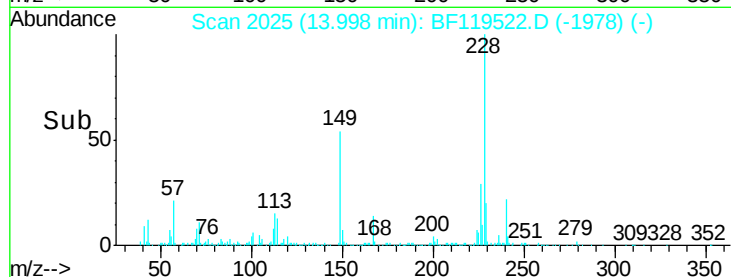
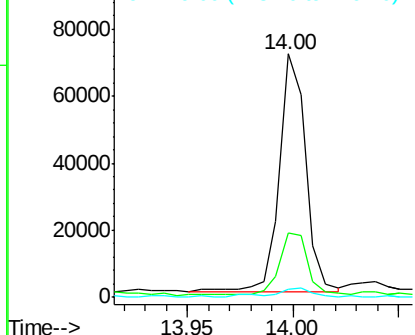
Tot Ion:	149	Resp:	62132
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.0	33.0
279	3.5	3.2	4.8

Manual Integrations
APPROVED

mohammad
3/27/2020 8:12:17 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

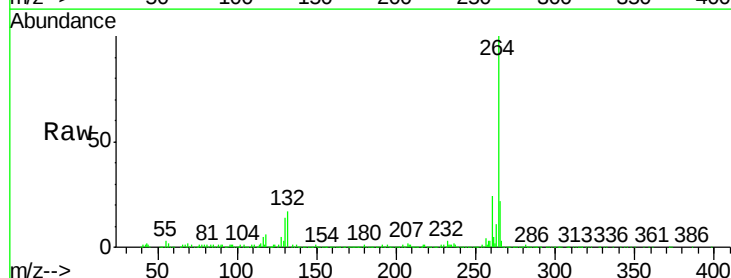
RT: 15.48 min Scan# 2277

Delta R.T. -0.02 min

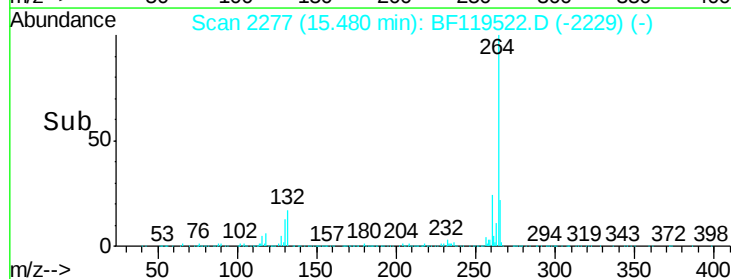
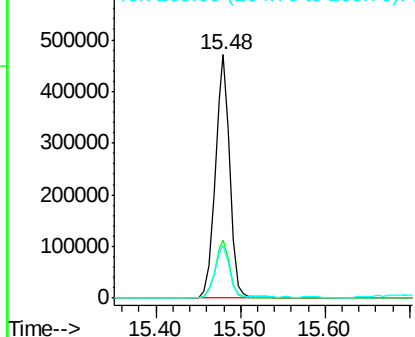
Lab File: BF119522.D

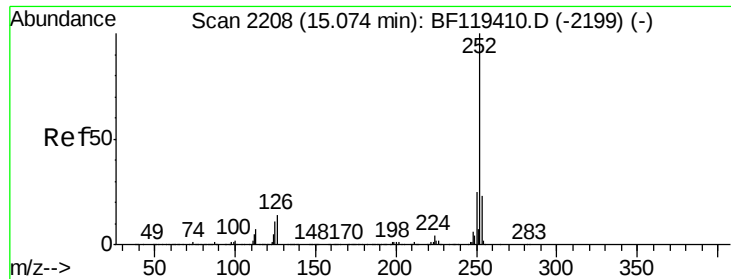
Acq: 26 Mar 2020 2:10

Tgt Ion:	264	Resp:	576048
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	21.8	16.9	25.3



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





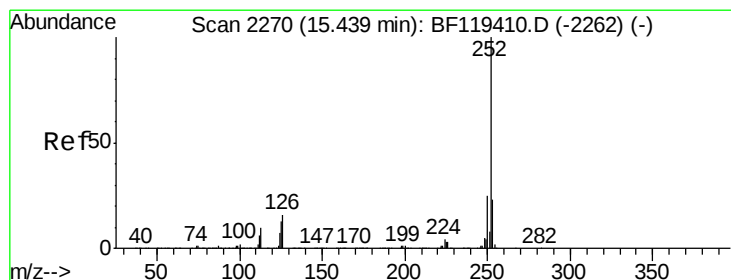
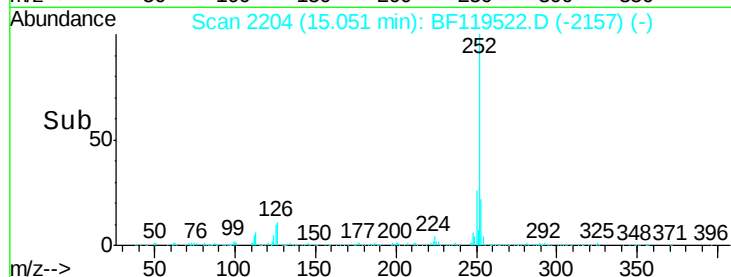
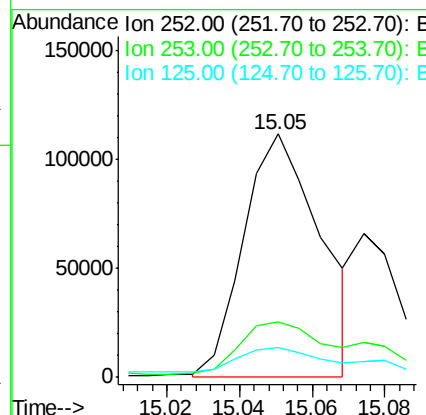
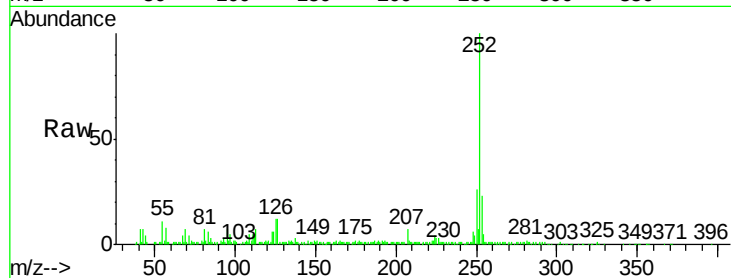
#88
Benzo(b)fluoranthene
Concen: 4.270 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Instrument :
BNA_F
ClientSampleId :
GHD1-1BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	12.2	8.8	13.2

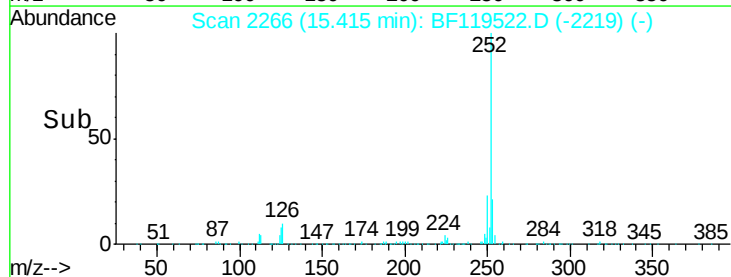
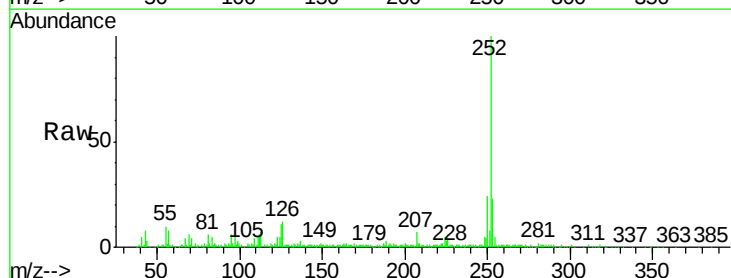
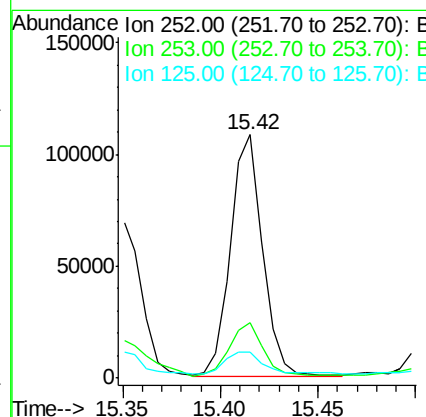
Manual Integrations
APPROVED

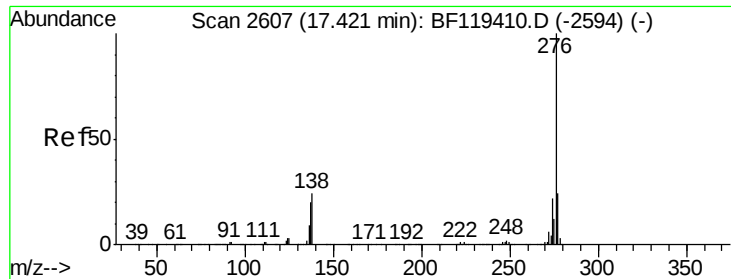
mohammad
3/27/2020 8:12:17 AM



#90
Benzo(a)pyrene
Concen: 3.545 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF119522.D
Acq: 26 Mar 2020 2:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	10.7	10.2	15.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.432 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. -0.05 min
 Lab File: BF119522.D
 Acq: 26 Mar 2020 2:10

Instrument :
 BNA_F
 ClientSampleId :
 GHD1-1BC-IB-0-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	20.2	19.1	28.7

Manual Integrations
 APPROVED

mohammad
 3/27/2020 8:12:17 AM

