

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124166.D
 Acq On : 7 Jun 2021 20:20
 Operator : JU/CG
 Sample : M2589-19 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)

Manual Integrations
 APPROVED

mohammad
 6/8/2021 3:36:48 PM

Quant Time: Jun 08 01:30:34 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	38757	20.00	ng	-0.01
21) Naphthalene-d8	8.139	136	148676	20.00	ng	-0.01
39) Acenaphthene-d10	9.898	164	82585	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	128822	20.00	ng	# 0.00
76) Chrysene-d12	14.027	240	97633	20.00	ng	0.00
86) Perylene-d12	15.509	264	75780	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	12694	4.93	ng	0.00
7) Phenol-d6	6.498	99	45340	13.10	ng	-0.01
23) Nitrobenzene-d5	7.416	82	56261	15.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	440	0.38	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	105155	16.02	ng	-0.01
79) Terphenyl-d14	12.968	244	88352	12.42	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	37570	4.67	ng	# 94
75) Fluoranthene	12.598	202	46752	5.53	ng	97
78) Pyrene	12.827	202	44064m	4.70	ng	
81) Benzo(a)anthracene	14.015	228	21810	3.07	ng	95
83) Chrysene	14.057	228	19925	2.90	ng	93
84) Bis(2-ethylhexyl)phtha...	14.004	149	11023	2.44	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.992	276	7401	5.40	ng	# 84
88) Benzo(b)fluoranthene	15.074	252	20805m	3.53	ng	
90) Benzo(a)pyrene	15.445	252	14241	2.79	ng	# 77
92) Benzo(g,h,i)perylene	17.450	276	7176	5.05	ng	# 75

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

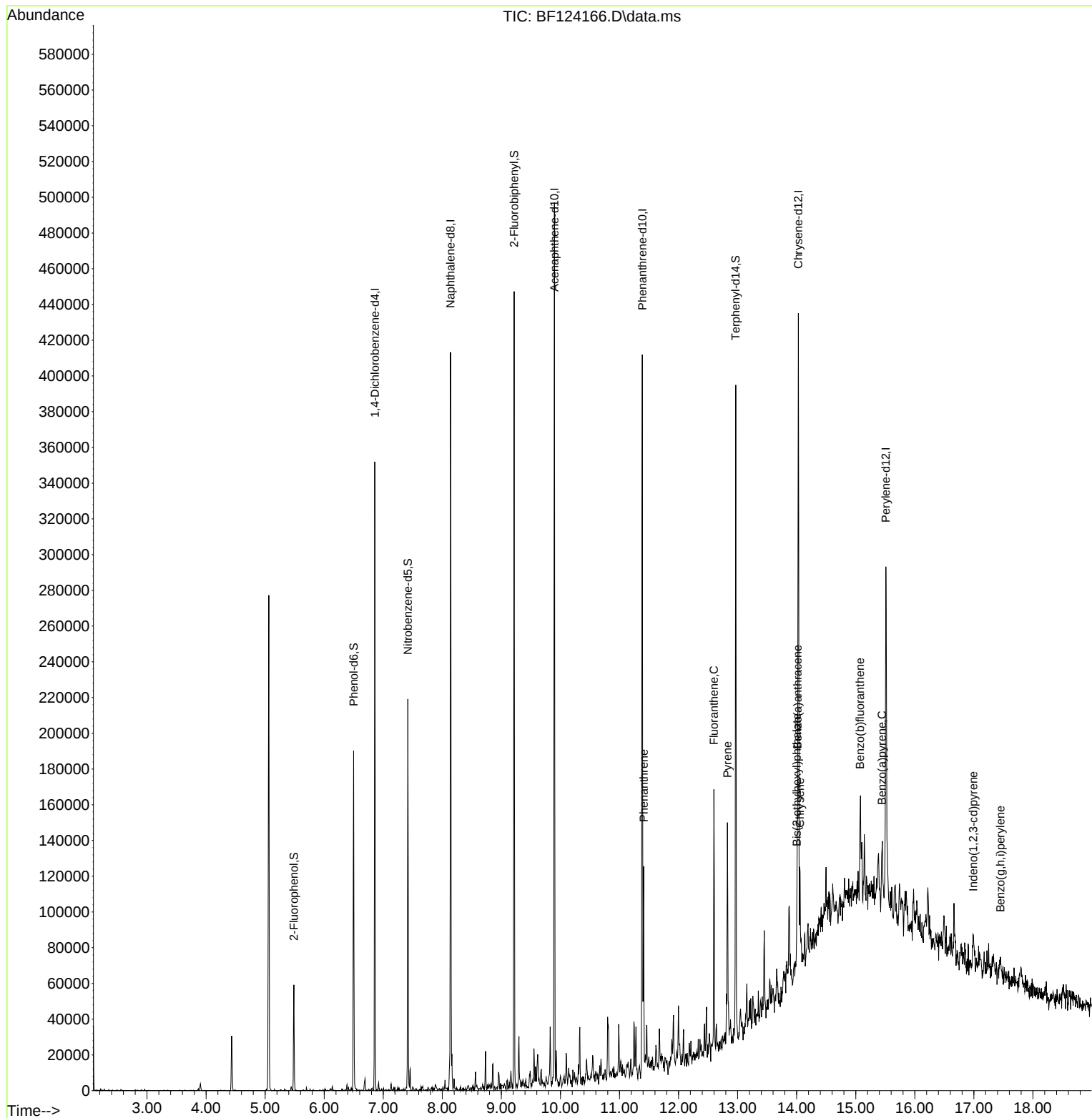
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
Data File : BF124166.D
Acq On : 7 Jun 2021 20:20
Operator : JU/CG
Sample : M2589-19 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

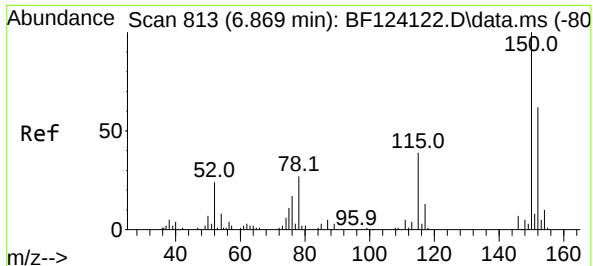
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

Manual Integrations
APPROVED

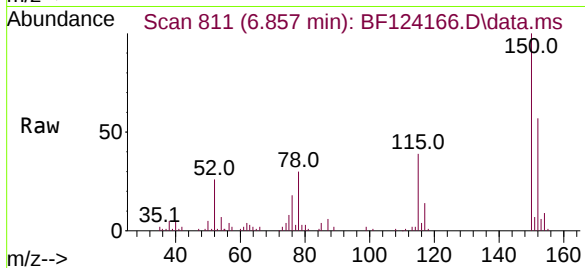
mohammad
6/8/2021 3:36:48 PM

Quant Time: Jun 08 01:30:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 13:32:21 2021
Response via : Initial Calibration

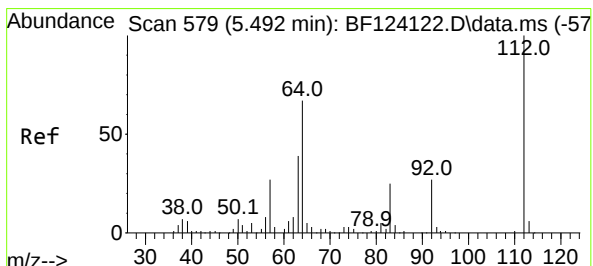
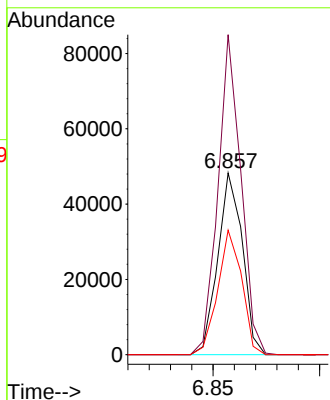
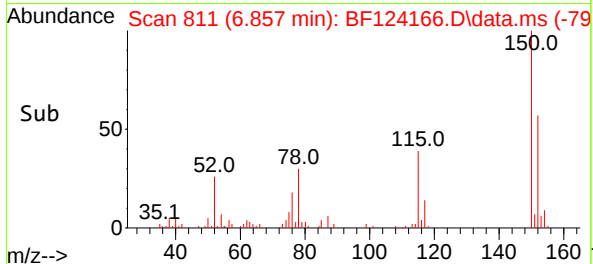




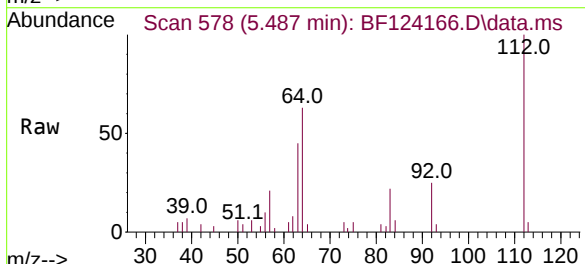
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



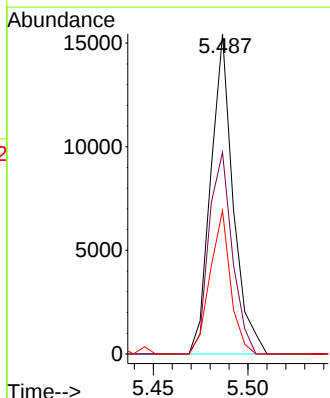
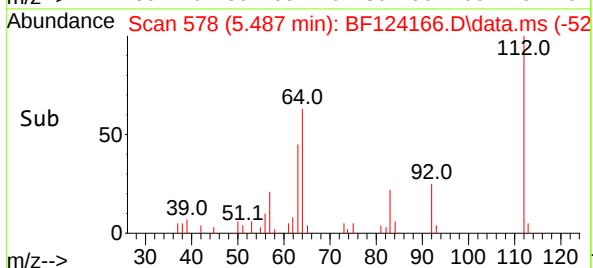
Tgt Ion:152 Resp: 38757
Ion Ratio Lower Upper
152 100
150 176.0 127.0 190.6
115 68.5 54.3 81.5



#5
2-Fluorophenol
Concen: 4.93 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



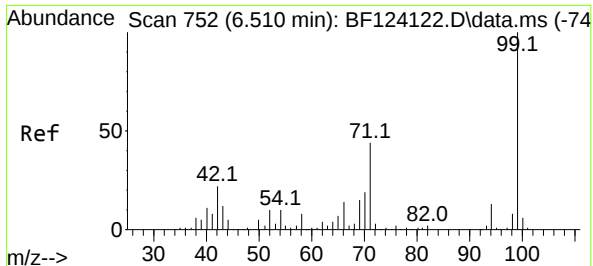
Tgt Ion:112 Resp: 12694
Ion Ratio Lower Upper
112 100
64 63.1 61.4 92.0
63 44.9 33.0 49.4



Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

Manual Integrations
APPROVED

mohammad
6/8/2021 3:36:48 PM



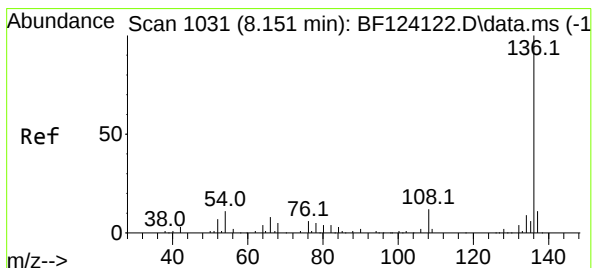
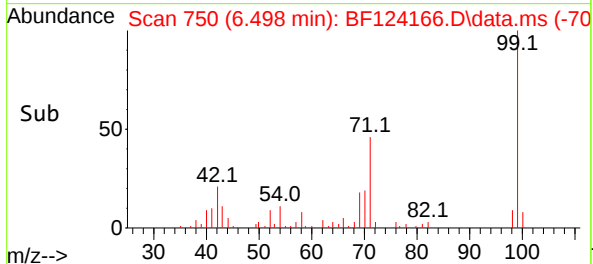
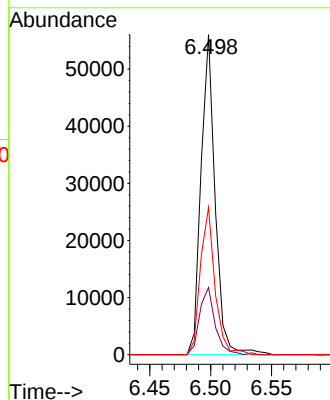
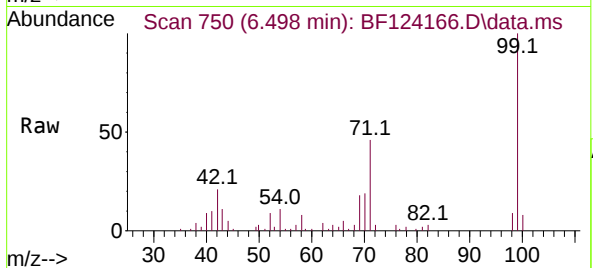
#7
Phenol-d6
Concen: 13.10 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion: 99 Resp: 45340
Ion Ratio Lower Upper
99 100
42 21.0 19.8 29.8
71 46.0 31.1 46.7

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

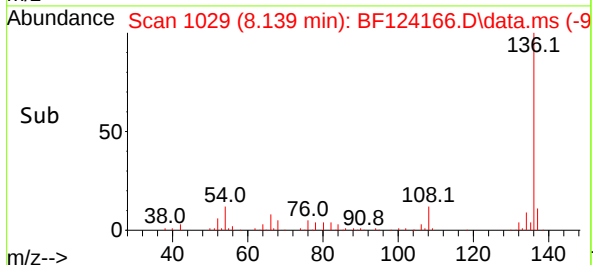
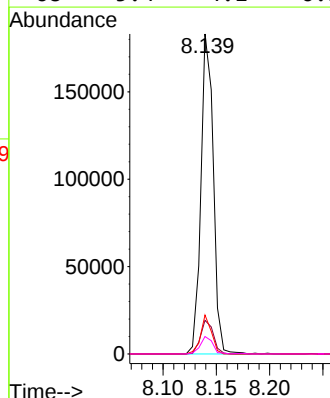
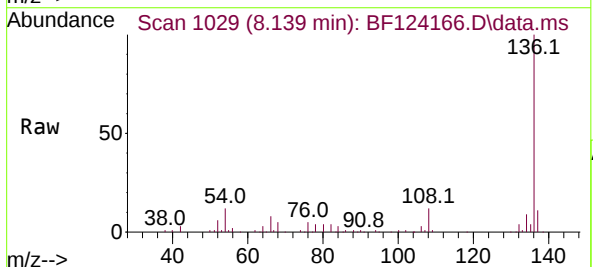
Manual Integrations
APPROVED

mohammad
6/8/2021 3:36:48 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion: 136 Resp: 148676
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 12.1 9.8 14.6
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 15.01 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.018 min

Lab File: BF124166.D

Acq: 7 Jun 2021 20:20

Tgt Ion:	82	Resp:	56261
Ion Ratio	Lower	Upper	
82	100		
128	35.5	29.4	44.2
54	60.7	54.1	81.1

Instrument :

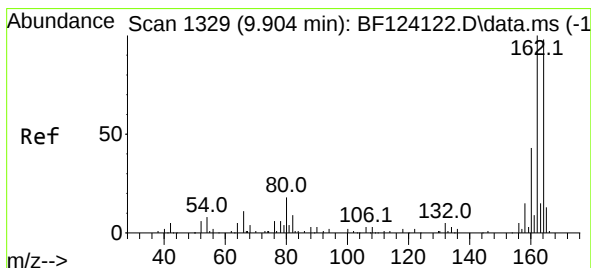
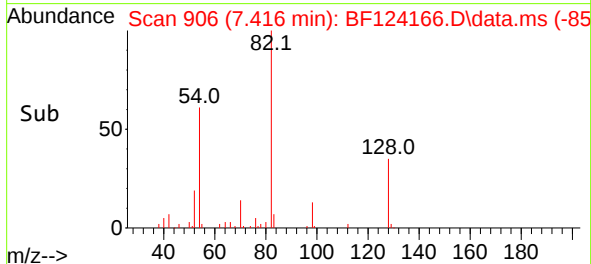
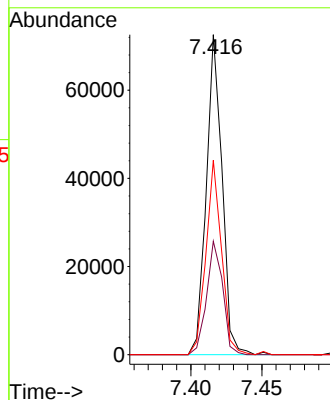
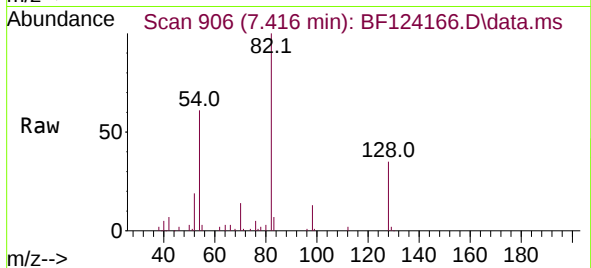
BNA_F

ClientSampleId :

18-B12(2-4)

Manual Integrations
APPROVED

mohammad
6/8/2021 3:36:48 PM



#39

Acenaphthene-d10

Concen: 20.00 ng

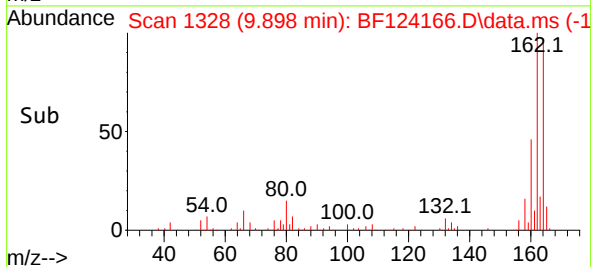
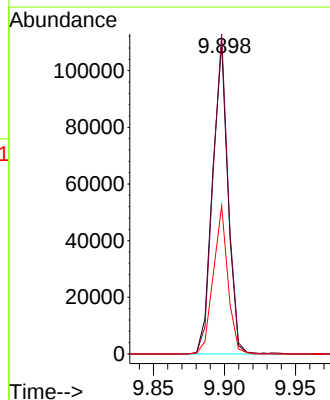
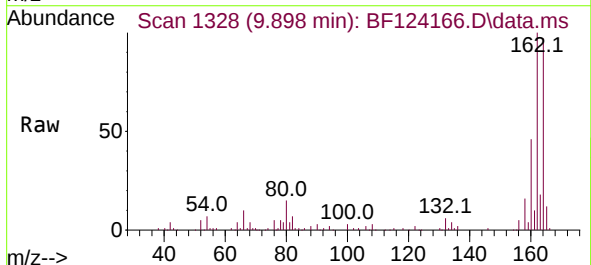
RT: 9.898 min Scan# 1328

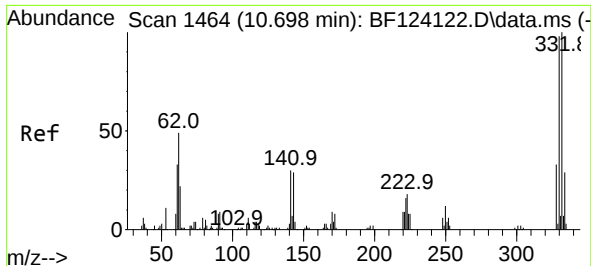
Delta R.T. -0.006 min

Lab File: BF124166.D

Acq: 7 Jun 2021 20:20

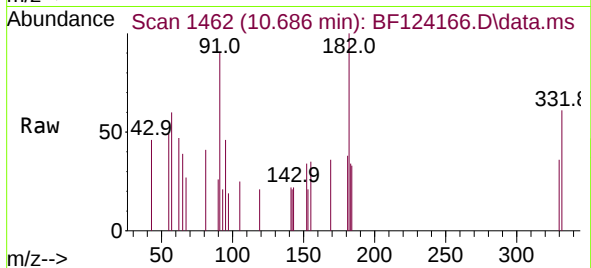
Tgt Ion:	164	Resp:	82585
Ion Ratio	Lower	Upper	
164	100		
162	102.9	80.7	121.1
160	47.6	37.3	55.9





#42
2,4,6-Tribromophenol
Concen: 0.38 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

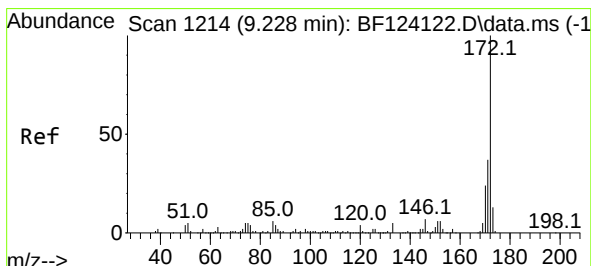
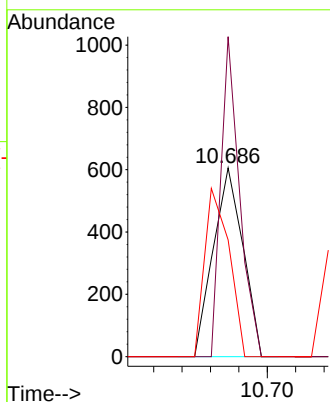
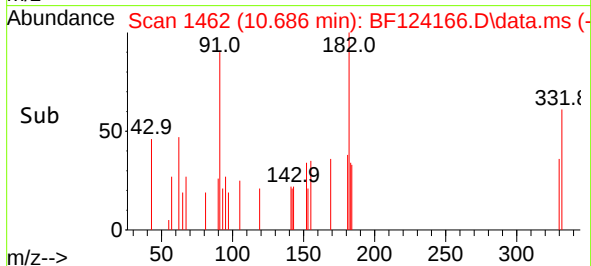
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)



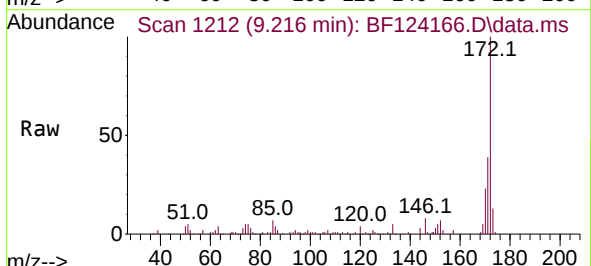
Tgt Ion: 330 Resp: 440
Ion Ratio Lower Upper
330 100
332 106.6 77.1 115.7
141 73.4 27.9 41.9#

Manual Integrations
APPROVED

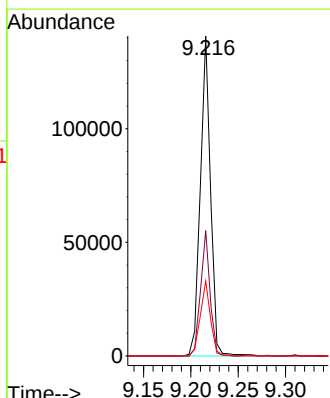
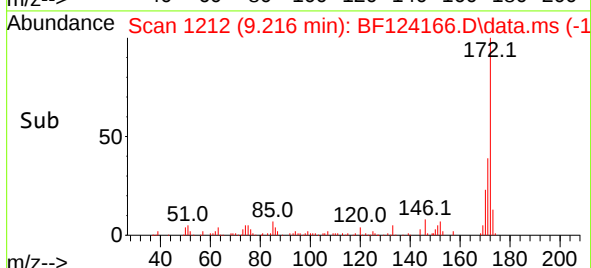
mohammad
6/8/2021 3:36:48 PM

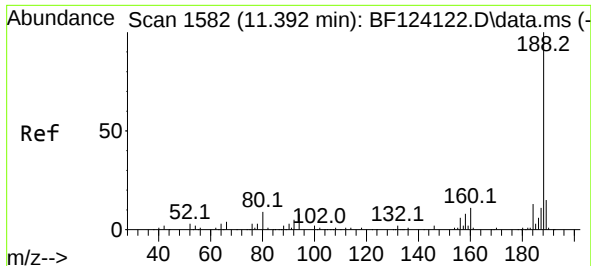


#45
2-Fluorobiphenyl
Concen: 16.02 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

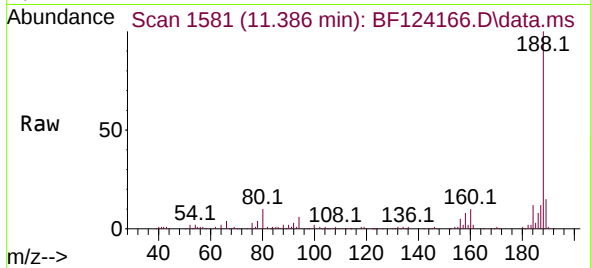


Tgt Ion: 172 Resp: 105155
Ion Ratio Lower Upper
172 100
171 39.2 28.1 42.1
170 23.4 19.2 28.8

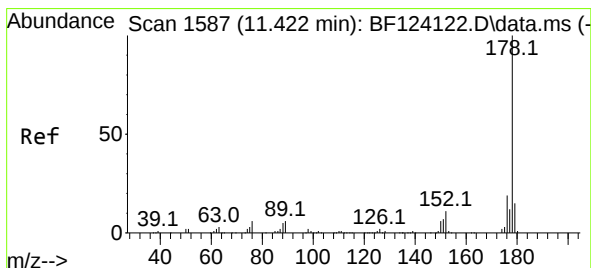
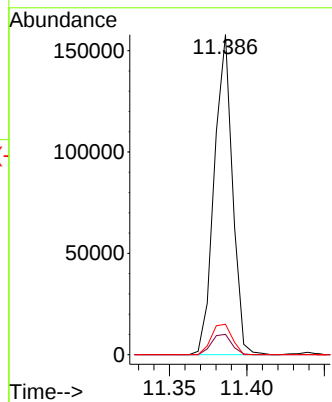
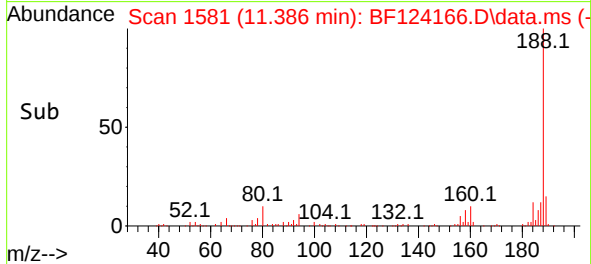




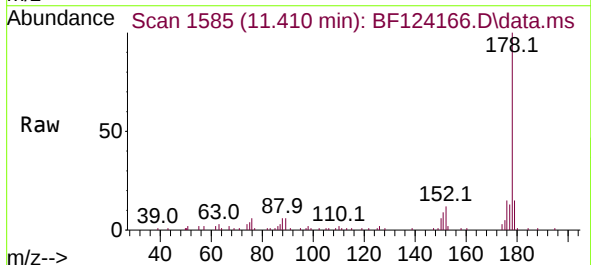
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



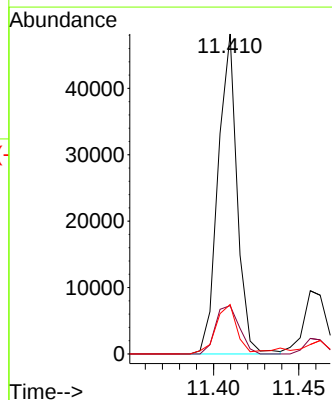
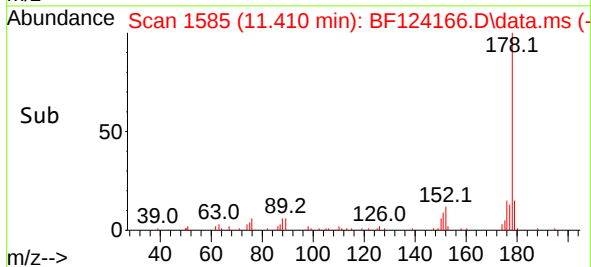
Tgt Ion:188 Resp: 128822
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 9.5 8.2 12.2



#71
Phenanthrene
Concen: 4.67 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



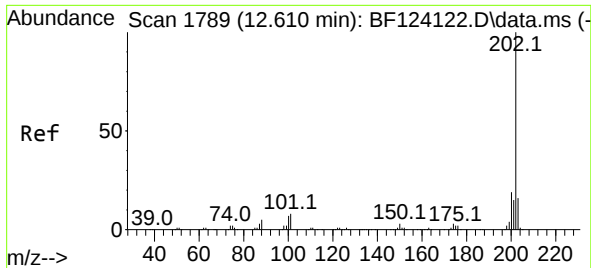
Tgt Ion:178 Resp: 37570
Ion Ratio Lower Upper
178 100
176 15.1 15.6 23.4#
179 15.5 12.5 18.7



Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

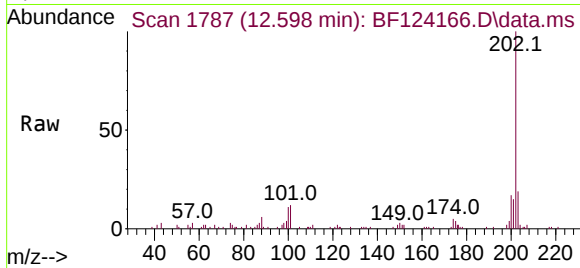
Manual Integrations
APPROVED

mohammad
6/8/2021 3:36:48 PM



#75
Fluoranthene
Concen: 5.53 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

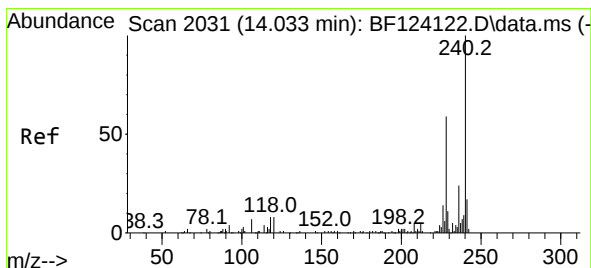
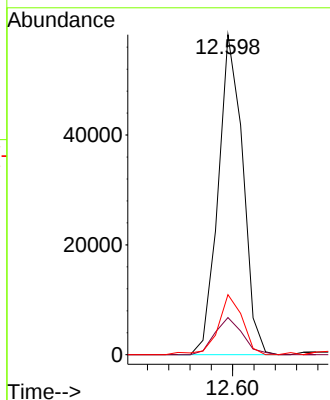
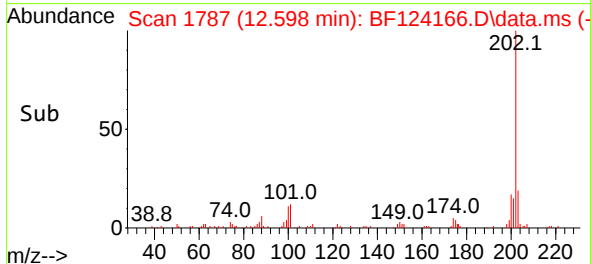
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)



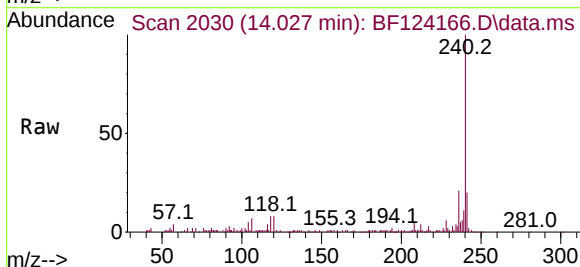
Tgt Ion:202 Resp: 46752
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.9
203 18.8 0.0 37.5

Manual Integrations
APPROVED

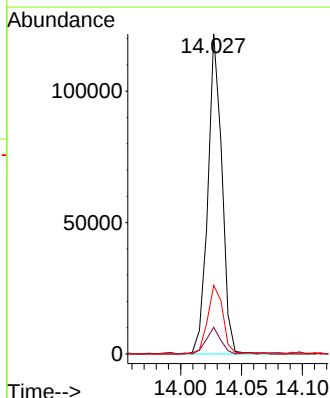
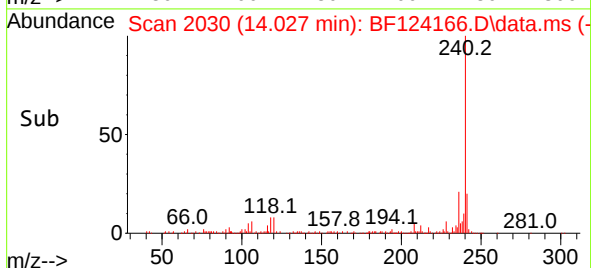
mohammad
6/8/2021 3:36:48 PM

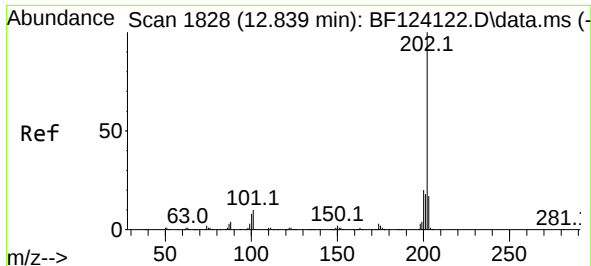


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



Tgt Ion:240 Resp: 97633
Ion Ratio Lower Upper
240 100
120 8.4 7.2 10.8
236 21.4 19.0 28.4





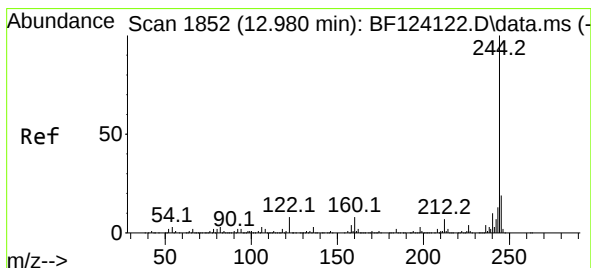
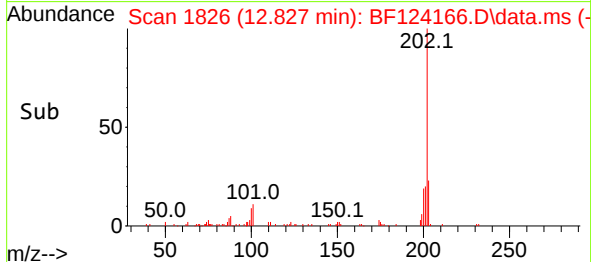
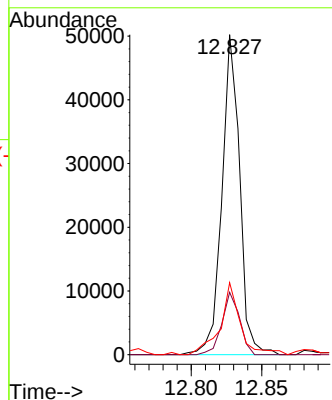
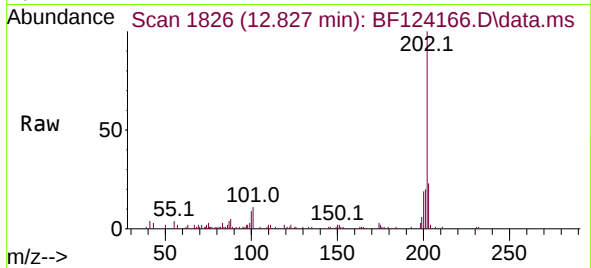
#78
Pyrene
Concen: 4.70 ng m
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:202 Resp: 44064
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 22.5 14.8 22.2#

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

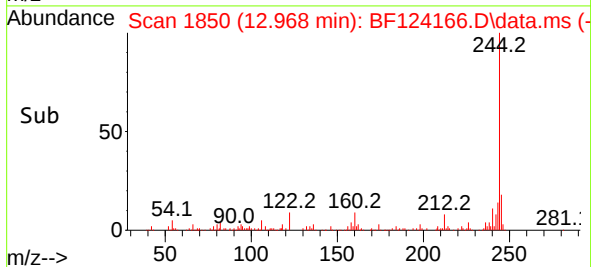
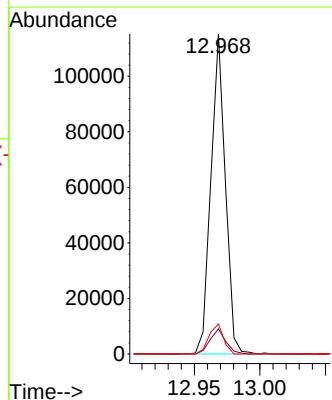
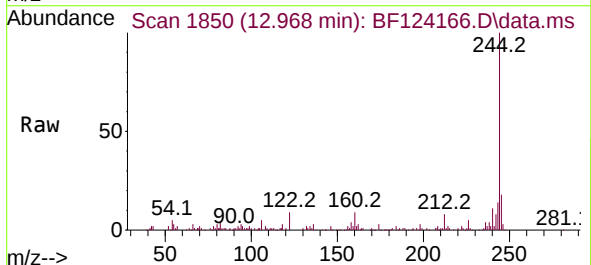
Manual Integrations
APPROVED

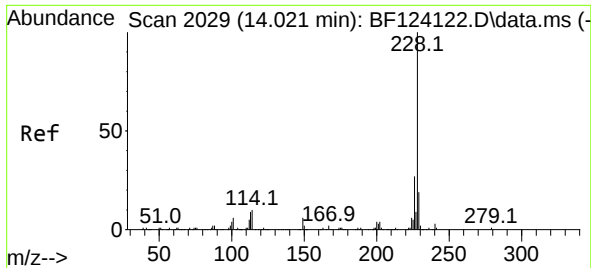
mohammad
6/8/2021 3:36:48 PM



#79
Terphenyl-d14
Concen: 12.42 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:244 Resp: 88352
Ion Ratio Lower Upper
244 100
212 7.8 5.7 8.5
122 9.4 9.7 14.5#





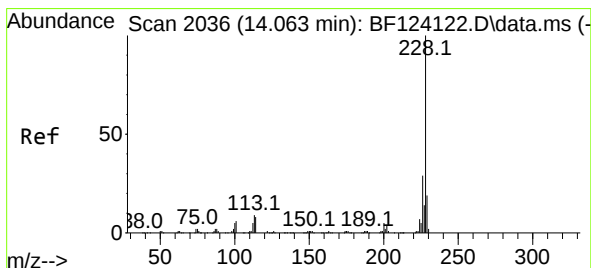
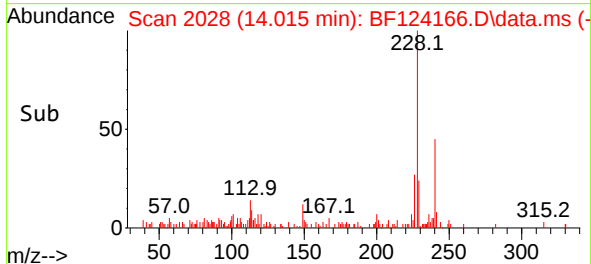
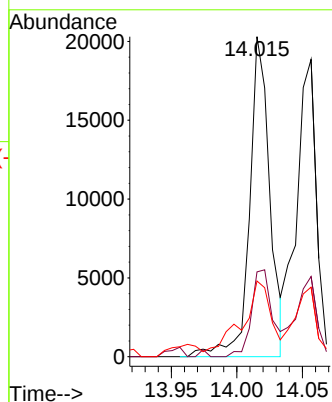
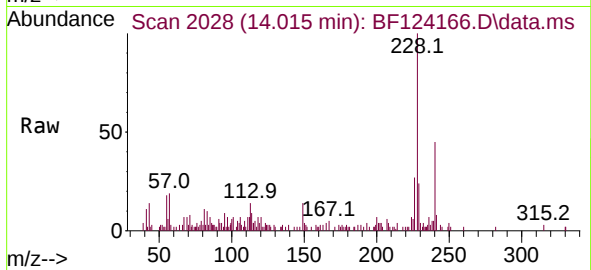
#81
Benzo(a)anthracene
Concen: 3.07 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:228 Resp: 21810
Ion Ratio Lower Upper
228 100
226 26.5 22.4 33.6
229 23.6 16.0 24.0

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

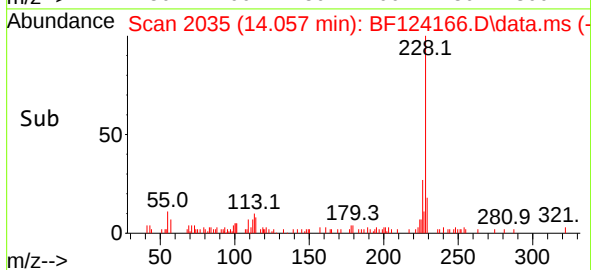
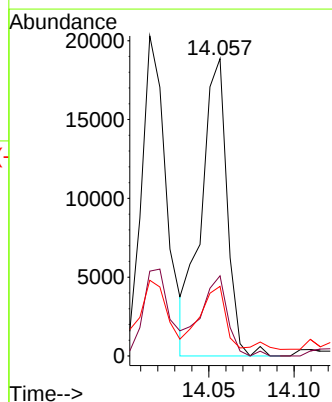
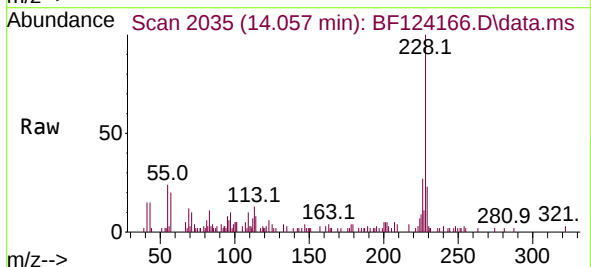
Manual Integrations
APPROVED

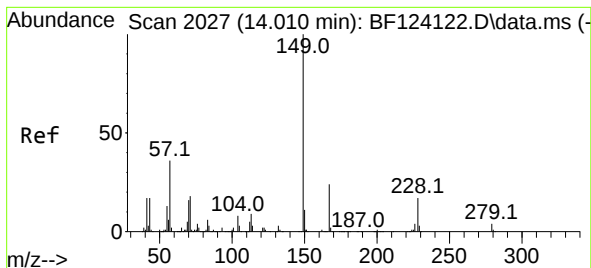
mohammad
6/8/2021 3:36:48 PM



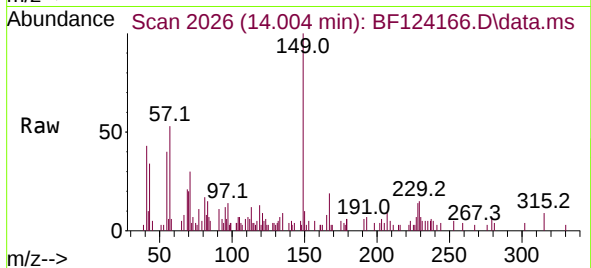
#83
Chrysene
Concen: 2.90 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

Tgt Ion:228 Resp: 19925
Ion Ratio Lower Upper
228 100
226 27.0 24.3 36.5
229 23.4 16.2 24.2

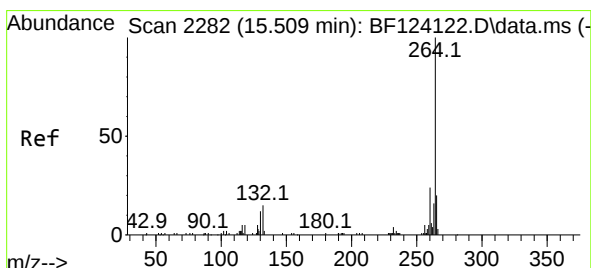
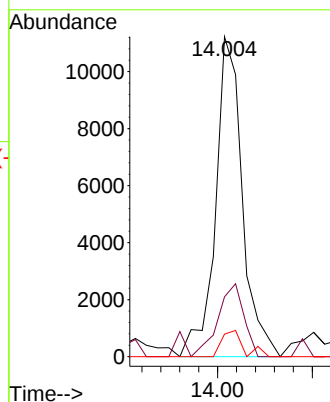
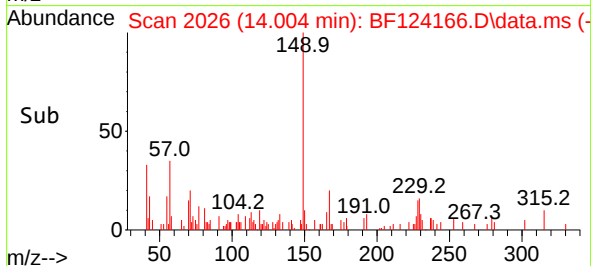




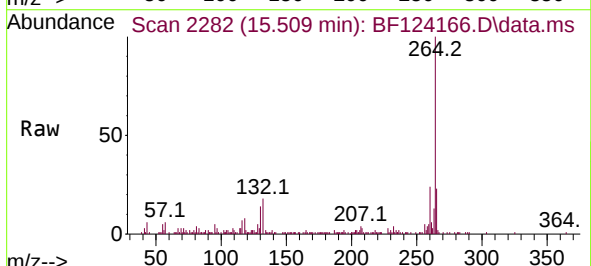
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.44 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



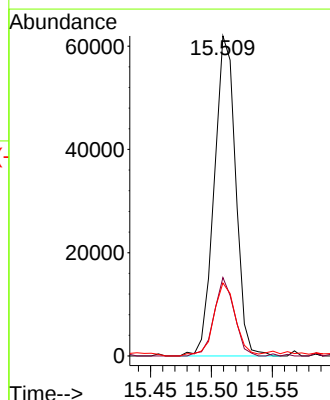
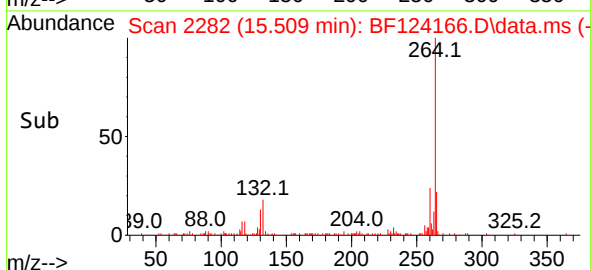
Tgt Ion:149 Resp: 11023
Ion Ratio Lower Upper
149 100
167 18.7 21.8 32.6#
279 7.1 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.509 min Scan# 2282
Delta R.T. 0.000 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



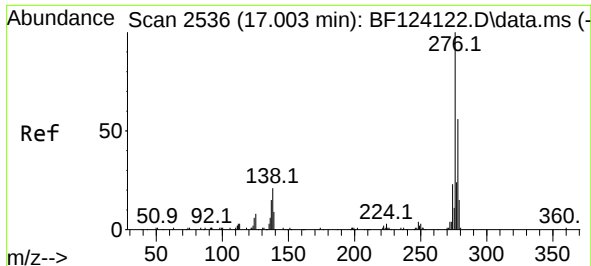
Tgt Ion:264 Resp: 75780
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.8 17.8 26.8



Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

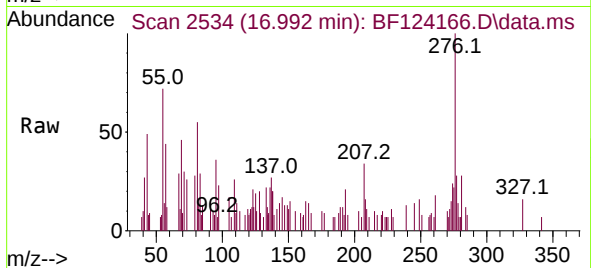
Manual Integrations
APPROVED

mohammad
6/8/2021 3:36:48 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.40 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.011 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

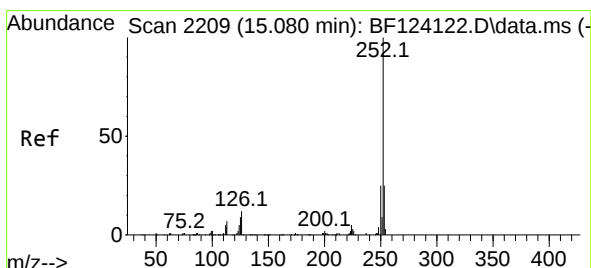
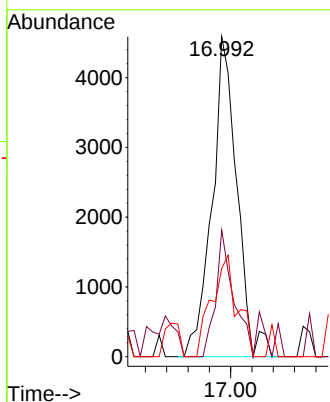
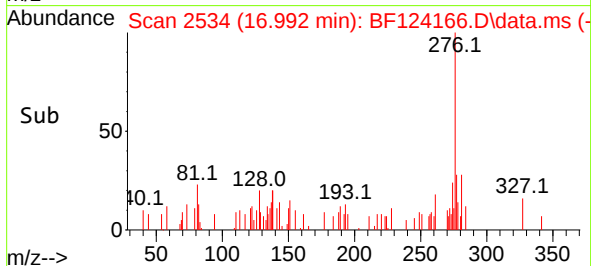
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)



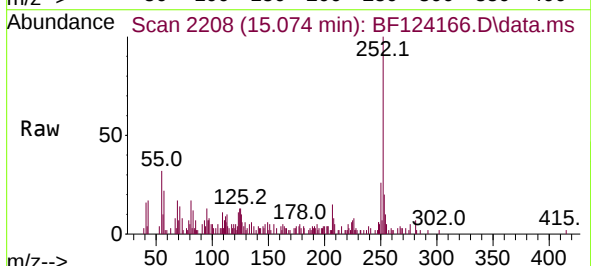
Tgt Ion:276 Resp: 7401
Ion Ratio Lower Upper
276 100
138 28.4 16.2 24.2#
277 32.4 20.1 30.1#

Manual Integrations
APPROVED

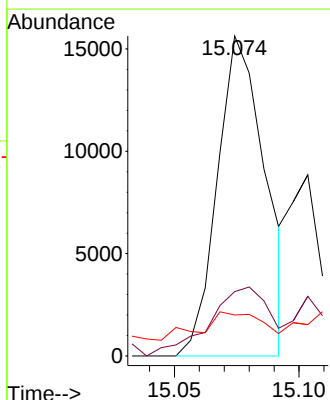
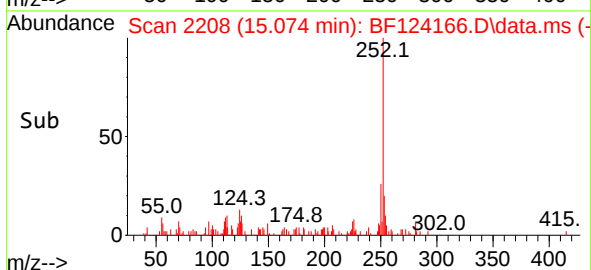
mohammad
6/8/2021 3:36:48 PM

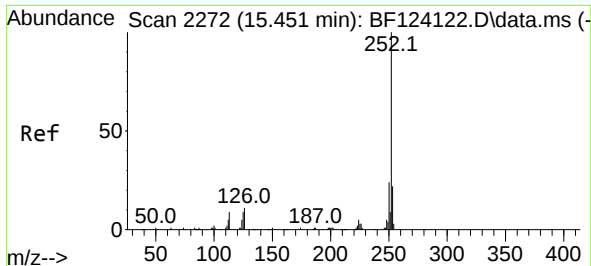


#88
Benzo(b)fluoranthene
Concen: 3.53 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20

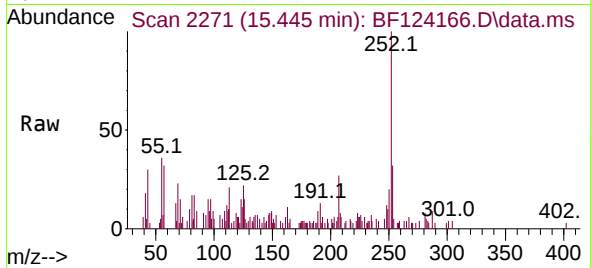


Tgt Ion:252 Resp: 20805
Ion Ratio Lower Upper
252 100
253 20.1 18.1 27.1
125 12.8 6.2 9.4#

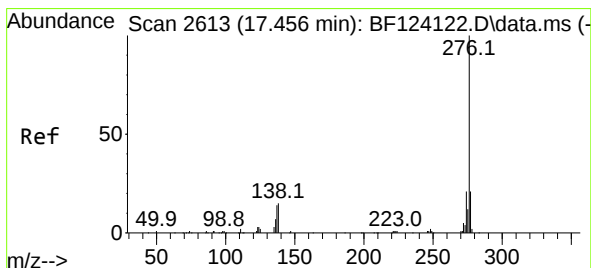
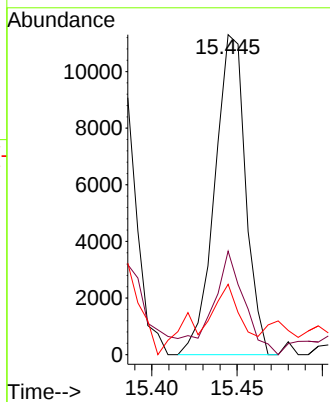
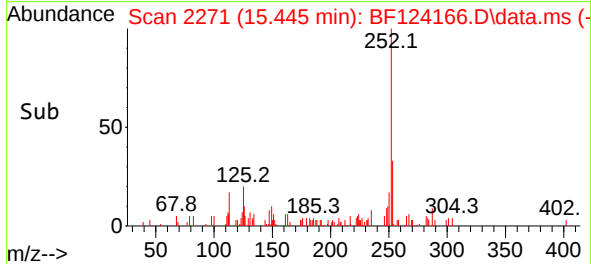




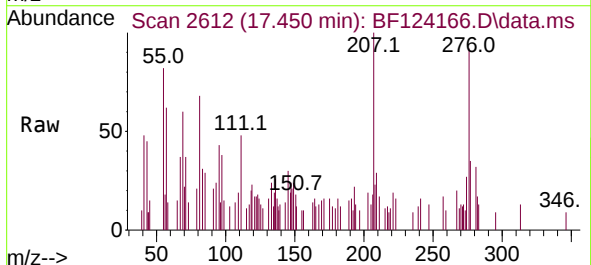
#90
Benzo(a)pyrene
Concen: 2.79 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



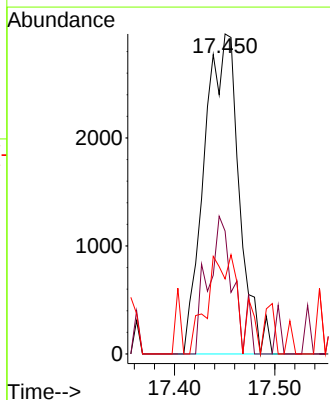
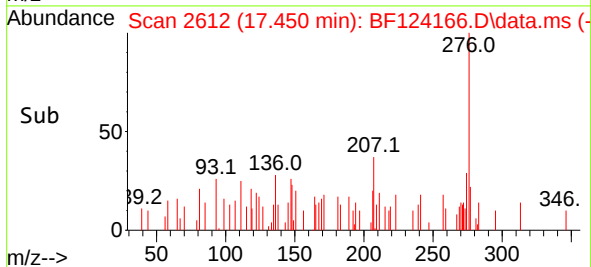
Tgt Ion:252 Resp: 14241
Ion Ratio Lower Upper
252 100
253 32.4 18.4 27.6#
125 22.0 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 5.05 ng
RT: 17.450 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF124166.D
Acq: 7 Jun 2021 20:20



Tgt Ion:276 Resp: 7176
Ion Ratio Lower Upper
276 100
277 38.4 18.2 27.2#
138 23.5 13.8 20.6#



Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)

Manual Integrations
APPROVED

mohammad
6/8/2021 3:36:48 PM