

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052621\
 Data File : BF124082.D
 Acq On : 27 May 2021 1:02
 Operator : JU/CG
 Sample : M2535-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHOST-3D

Manual Integrations
 APPROVED

mohammad
 5/27/2021 1:49:19 PM

Quant Time: May 27 04:55:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	48425	20.00	ng	0.01
21) Naphthalene-d8	8.198	136	178517	20.00	ng	# 0.01
39) Acenaphthene-d10	9.933	164	102141	20.00	ng	-0.01
64) Phenanthrene-d10	11.421	188	162728	20.00	ng	0.00
76) Chrysene-d12	14.062	240	96932	20.00	ng	0.00
86) Perylene-d12	15.557	264	99008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	245719	71.24	ng	0.02
7) Phenol-d6	6.539	99	332983	74.42	ng	0.02
23) Nitrobenzene-d5	7.486	82	271522	65.53	ng	0.02
42) 2,4,6-Tribromophenol	10.722	330	73967	60.29	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	410166	49.42	ng	0.00
79) Terphenyl-d14	13.010	244	314344	49.12	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.233	128	2811892	266.16	ng	97
37) 2-Methylnaphthalene	8.910	142	1292524	180.50	ng	98
38) 1-Methylnaphthalene	9.004	142	595956	89.19	ng	95
46) 1,1'-Biphenyl	9.351	154	26092	2.90	ng	92
50) Dimethylphthalate	9.645	163	55949	6.86	ng	# 98
71) Phenanthrene	11.445	178	33432	3.24	ng	# 96
75) Fluoranthene	12.633	202	22329	2.09	ng	99
78) Pyrene	12.863	202	23642m	2.75	ng	
81) Benzo(a)anthracene	14.051	228	16386	2.34	ng	99
83) Chrysene	14.086	228	14722	2.18	ng	94
90) Benzo(a)pyrene	15.492	252	14813m	2.24	ng	

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

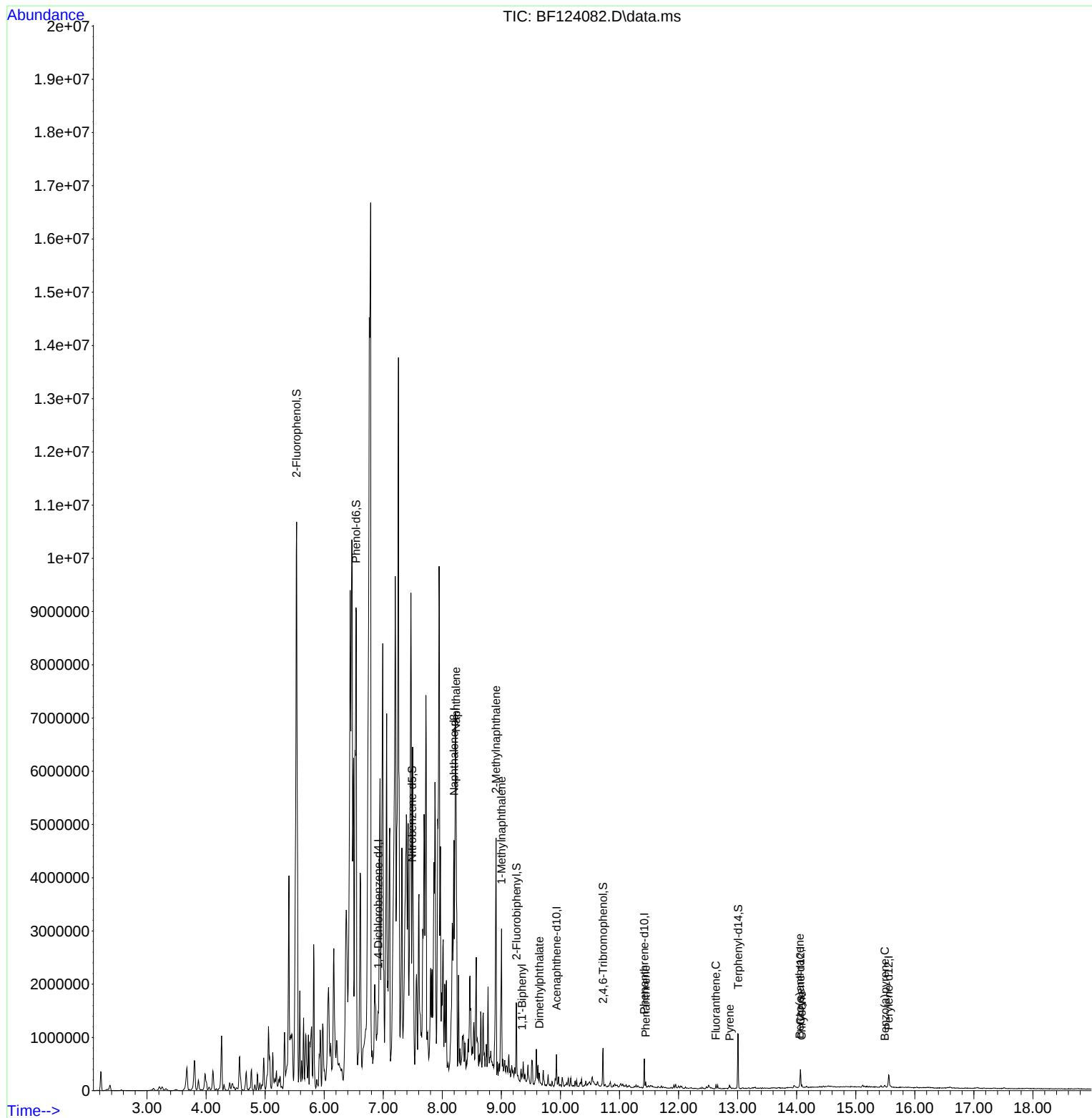
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052621\
Data File : BF124082.D
Acq On : 27 May 2021 1:02
Operator : JU/CG
Sample : M2535-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

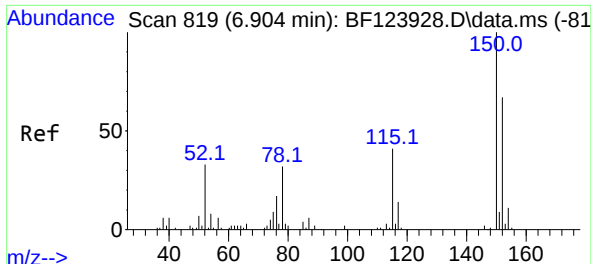
Instrument :
BNA_F
ClientSampleId :
GHOST-3D

Manual Integrations
APPROVED

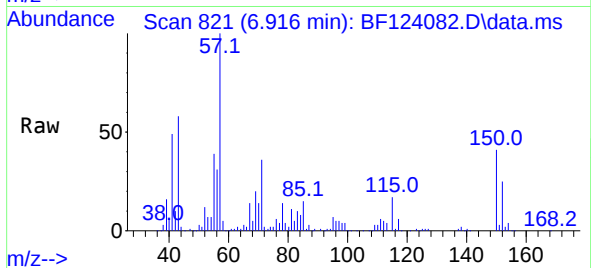
mohammad
5/27/2021 1:49:19 PM

Quant Time: May 27 04:55:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

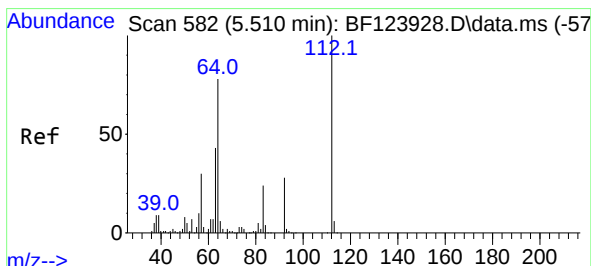
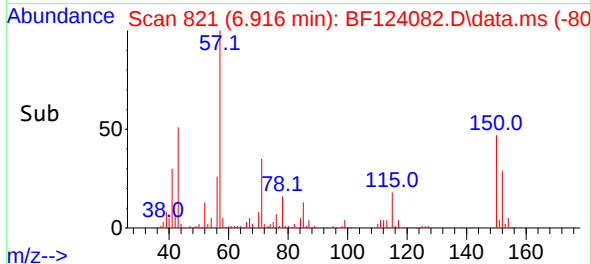
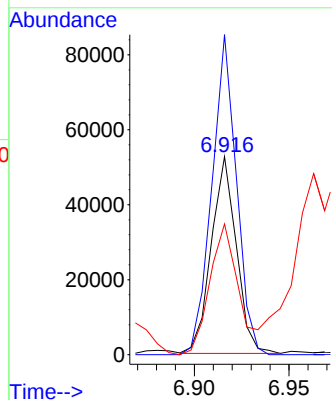




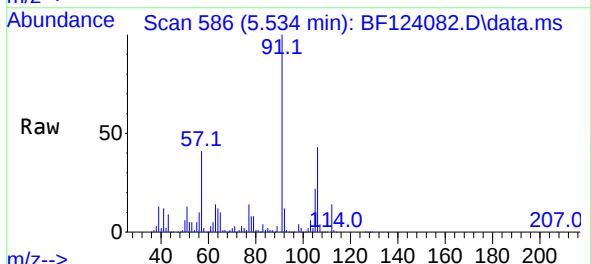
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. 0.012 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



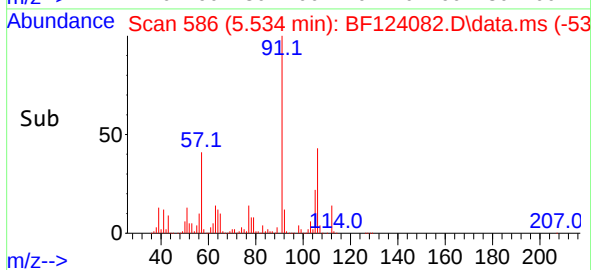
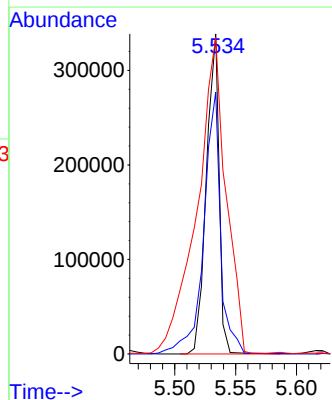
Tgt Ion:152 Resp: 48425
Ion Ratio Lower Upper
152 100
150 161.6 127.0 190.6
115 66.0 54.3 81.5



#5
2-Fluorophenol
Concen: 71.24 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.024 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



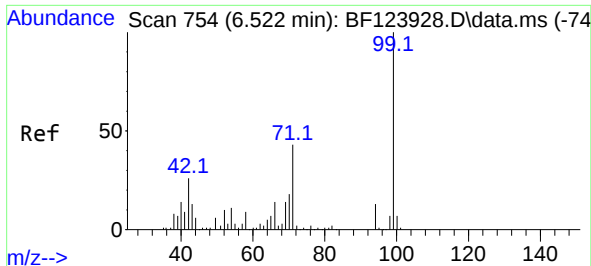
Tgt Ion:112 Resp: 245719
Ion Ratio Lower Upper
112 100
64 81.8 61.4 92.0
63 99.0 33.0 49.4#



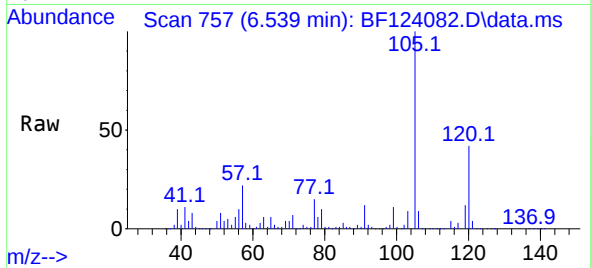
Instrument :
BNA_F
ClientSampled :
GHOST-3D

Manual Integrations
APPROVED

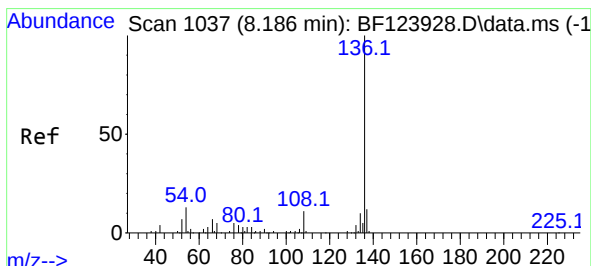
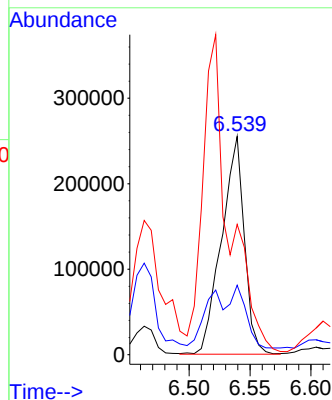
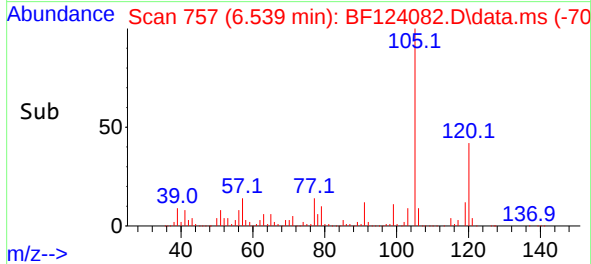
mohammad
5/27/2021 1:49:19 PM



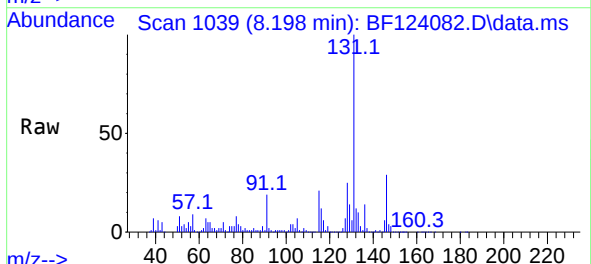
#7
Phenol-d6
Concen: 74.42 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.018 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



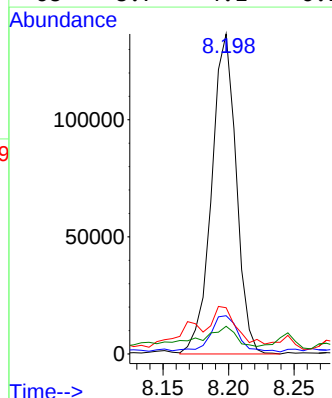
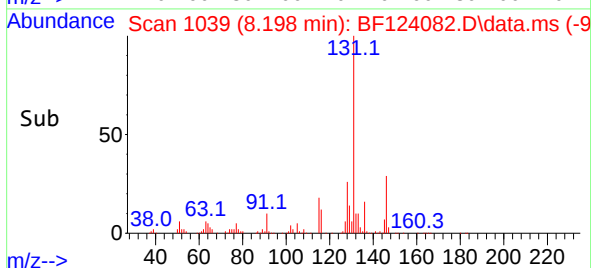
Tgt Ion: 99 Resp: 332983
Ion Ratio Lower Upper
99 100
42 31.8 19.8 29.8#
71 59.6 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.012 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



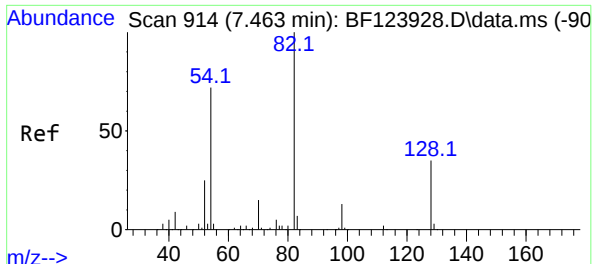
Tgt Ion: 136 Resp: 178517
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 14.5 9.8 14.6
68 8.7 4.1 6.1#



Instrument :
BNA_F
ClientSampled :
GHOST-3D

Manual Integrations
APPROVED

mohammad
5/27/2021 1:49:19 PM



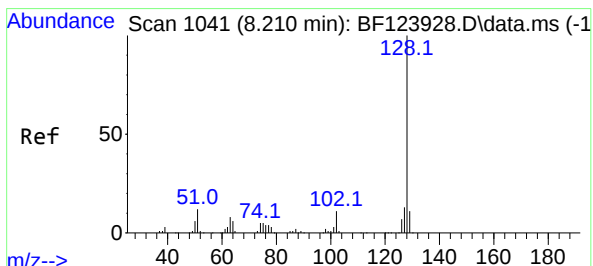
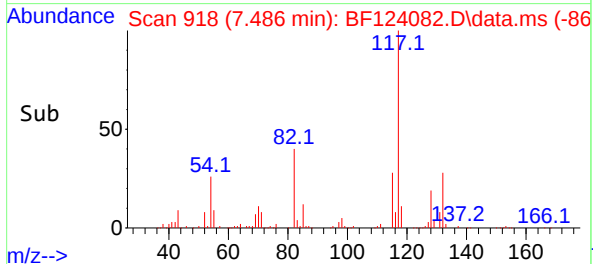
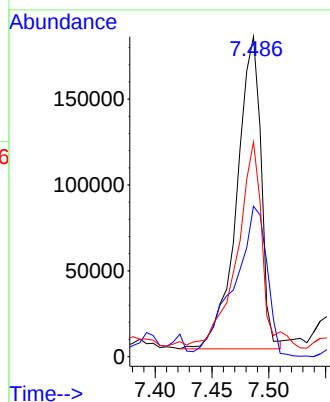
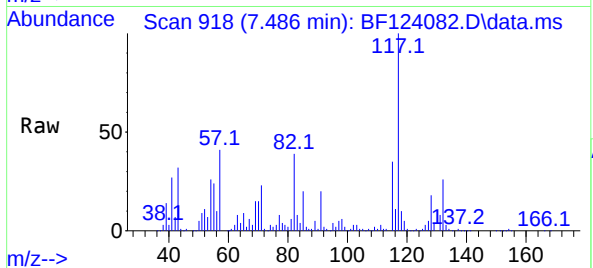
#23
Nitrobenzene-d5
Concen: 65.53 ng
RT: 7.486 min Scan# 918
Delta R.T. 0.024 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

Tgt Ion: 82 Resp: 271522
Ion Ratio Lower Upper
82 100
128 47.0 29.4 44.2#
54 67.1 54.1 81.1

Instrument :
BNA_F
ClientSampleId :
GHOST-3D

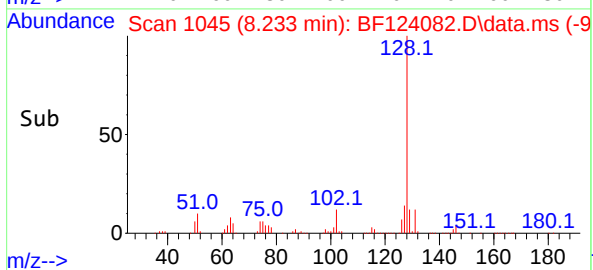
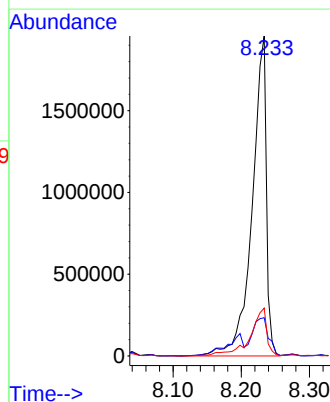
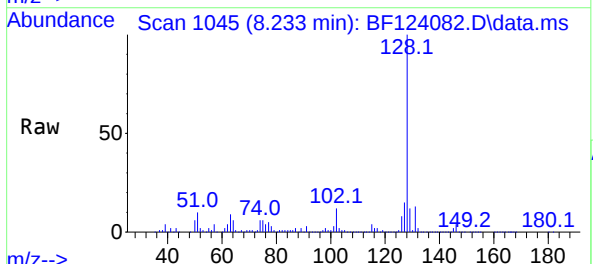
Manual Integrations
APPROVED

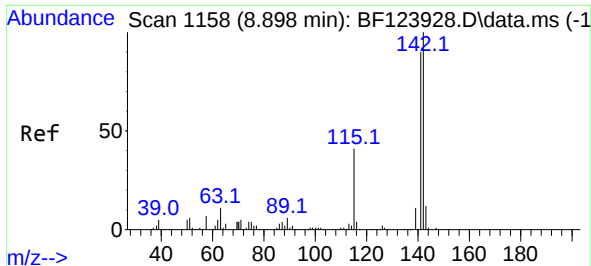
mohammad
5/27/2021 1:49:19 PM



#31
Naphthalene
Concen: 266.16 ng
RT: 8.233 min Scan# 1045
Delta R.T. 0.024 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

Tgt Ion:128 Resp: 2811892
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 15.0 10.8 16.2





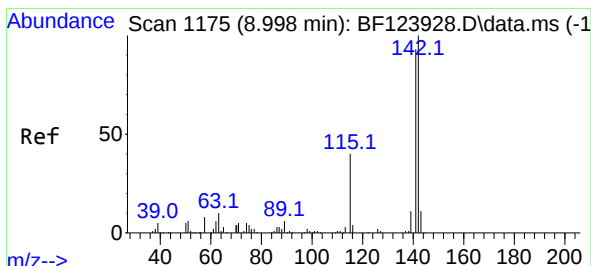
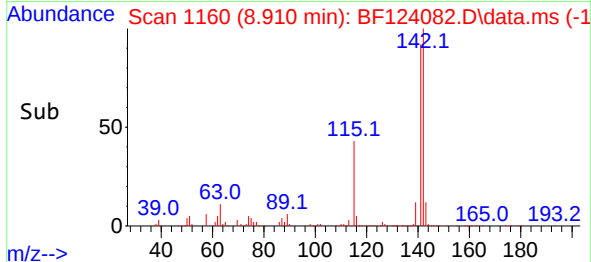
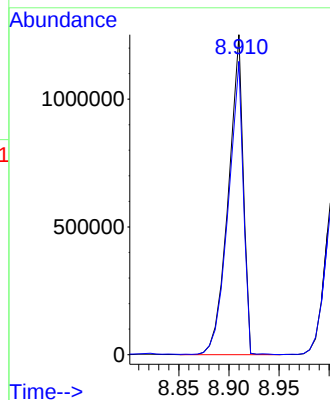
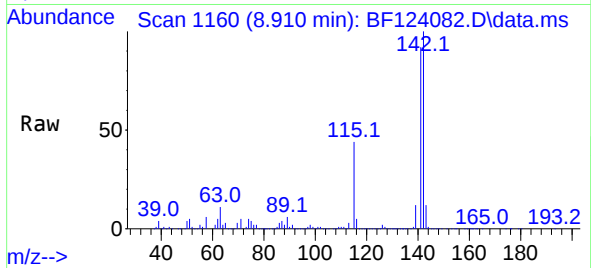
#37
2-Methylnaphthalene
Concen: 180.50 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.012 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

Tgt Ion:142 Resp: 1292524
Ion Ratio Lower Upper
142 100
141 91.7 71.8 107.6

Instrument :
BNA_F
ClientSampled :
GHOST-3D

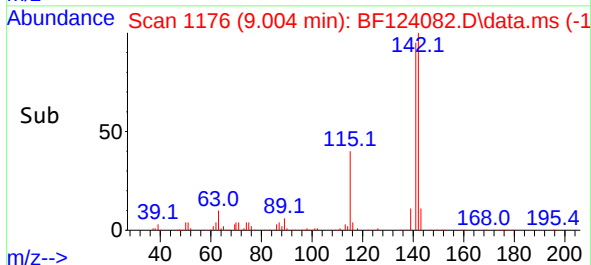
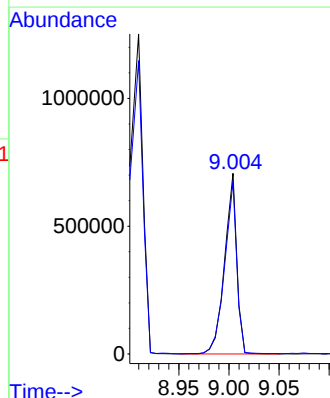
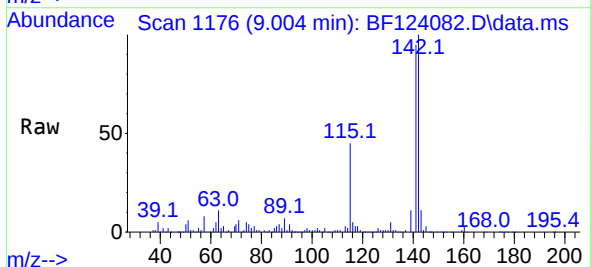
Manual Integrations
APPROVED

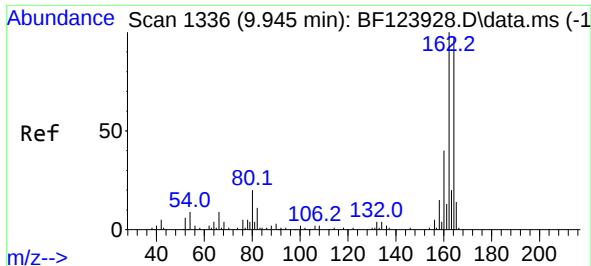
mohammad
5/27/2021 1:49:19 PM



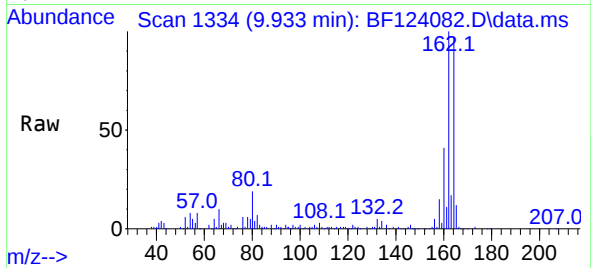
#38
1-Methylnaphthalene
Concen: 89.19 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

Tgt Ion:142 Resp: 595956
Ion Ratio Lower Upper
142 100
141 95.5 72.8 109.2

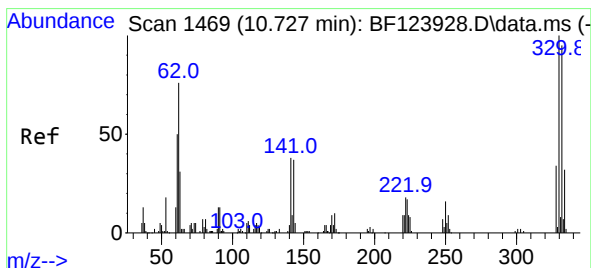
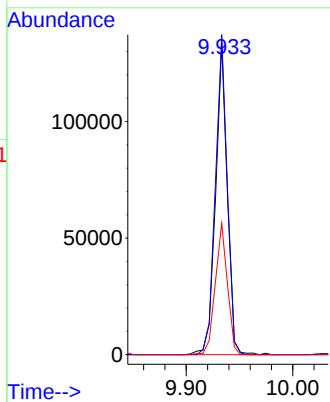
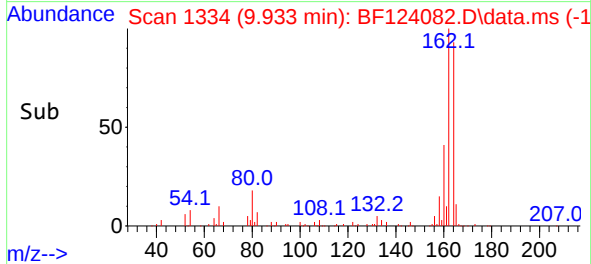




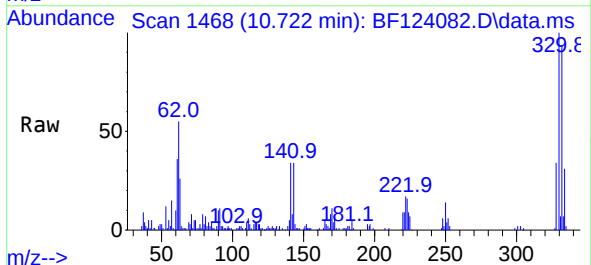
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



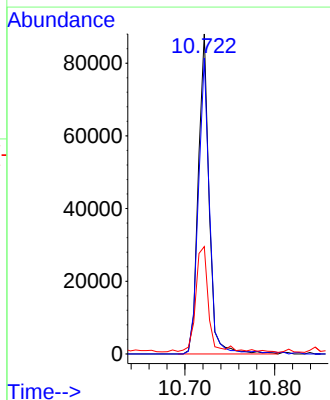
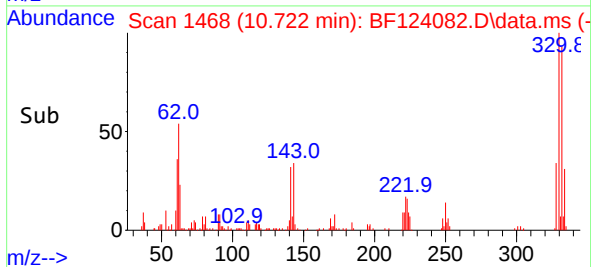
Tgt Ion:164 Resp: 102141
Ion Ratio Lower Upper
164 100
162 102.7 80.7 121.1
160 42.2 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 60.29 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



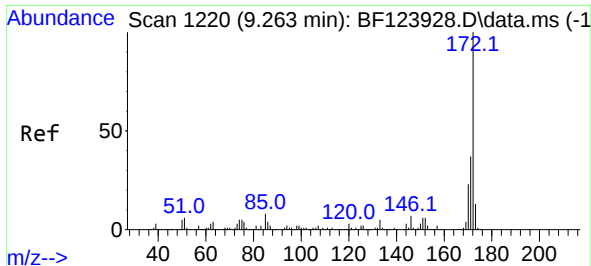
Tgt Ion:330 Resp: 73967
Ion Ratio Lower Upper
330 100
332 93.6 77.1 115.7
141 37.5 27.9 41.9



Instrument :
BNA_F
ClientSampleId :
GHOST-3D

Manual Integrations
APPROVED

mohammad
5/27/2021 1:49:19 PM



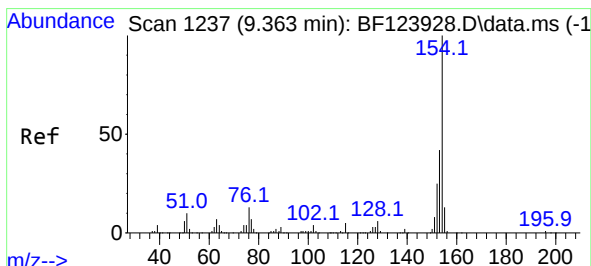
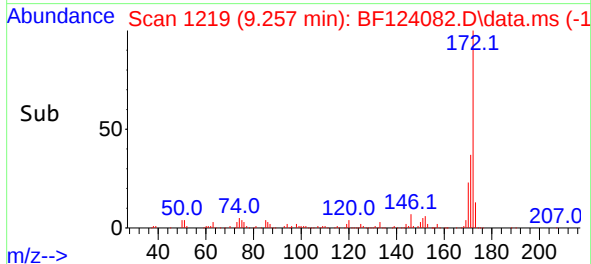
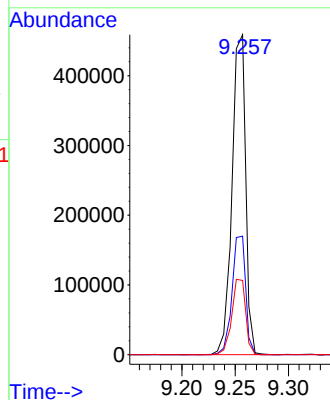
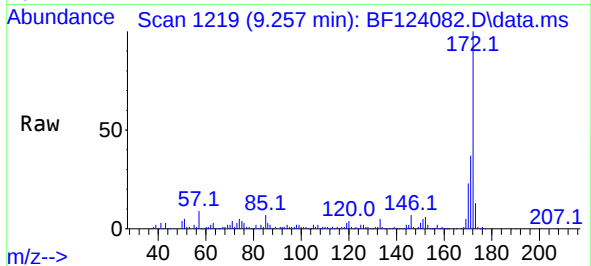
#45
2-Fluorobiphenyl
Concen: 49.42 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

Tgt Ion:	172	Resp:	410166
Ion Ratio	Lower	Upper	
172	100		
171	37.0	28.1	42.1
170	23.2	19.2	28.8

Instrument :
BNA_F
ClientSampleId :
GHOST-3D

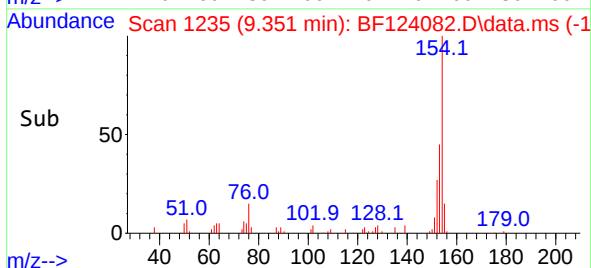
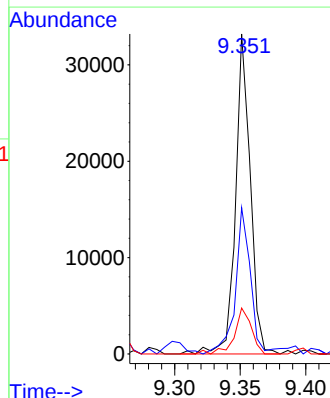
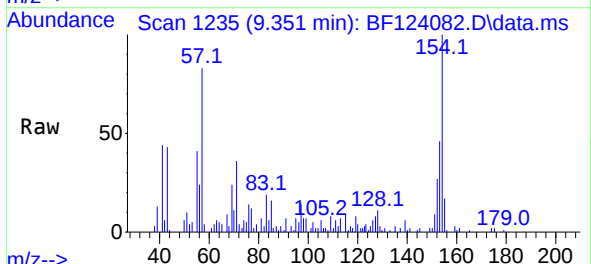
Manual Integrations
APPROVED

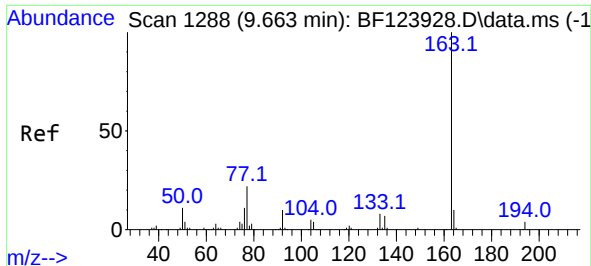
mohammad
5/27/2021 1:49:19 PM



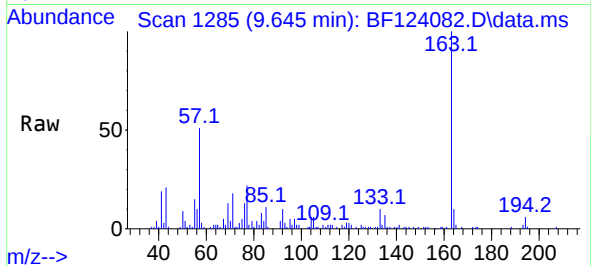
#46
1,1'-Biphenyl
Concen: 2.90 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

Tgt Ion:	154	Resp:	26092
Ion Ratio	Lower	Upper	
154	100		
153	45.7	20.7	60.7
76	14.3	0.0	31.7

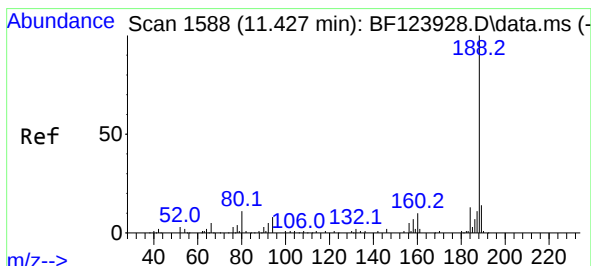
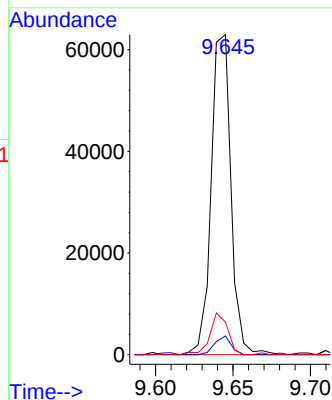
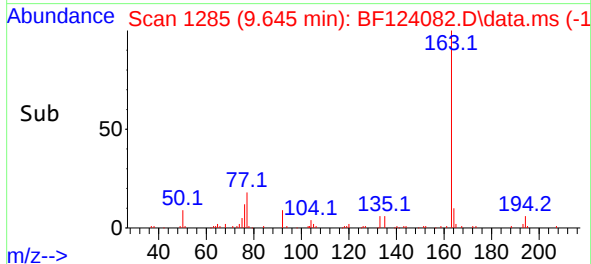




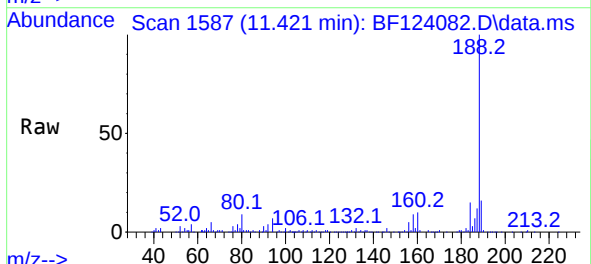
#50
Dimethylphthalate
Concen: 6.86 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



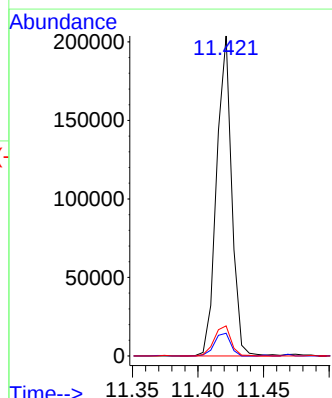
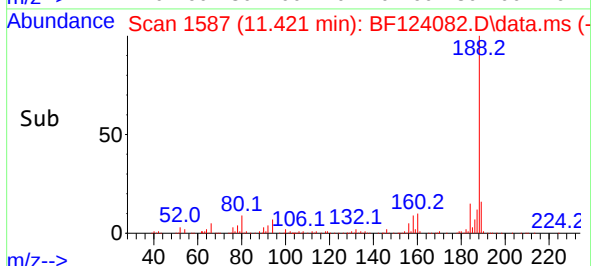
Tgt Ion:163 Resp: 55949
Ion Ratio Lower Upper
163 100
194 5.8 3.1 4.7#
164 10.2 8.2 12.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



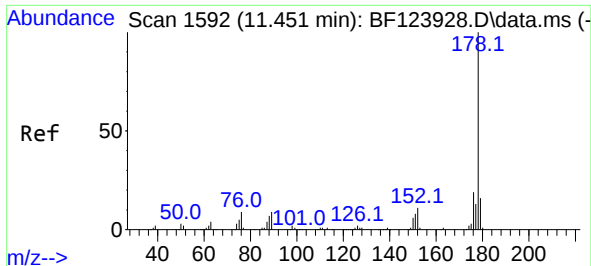
Tgt Ion:188 Resp: 162728
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 9.4 8.2 12.2



Instrument :
BNA_F
ClientSampleId :
GHOST-3D

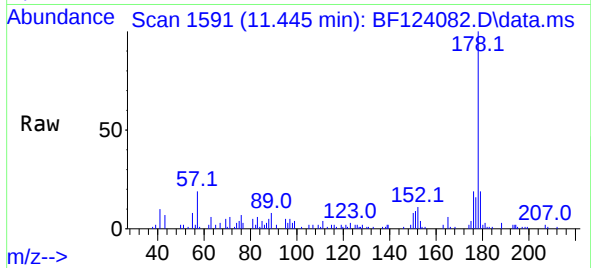
Manual Integrations
APPROVED

mohammad
5/27/2021 1:49:19 PM



#71
Phenanthrene
Concen: 3.24 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

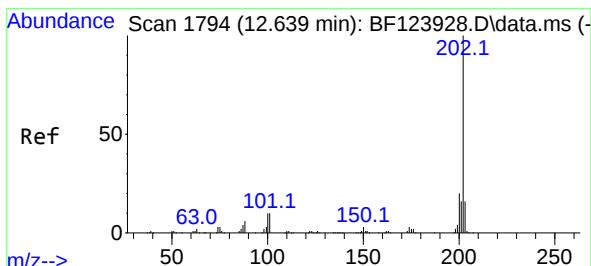
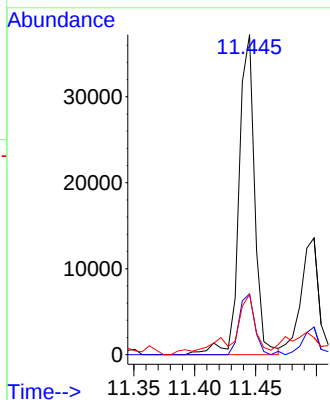
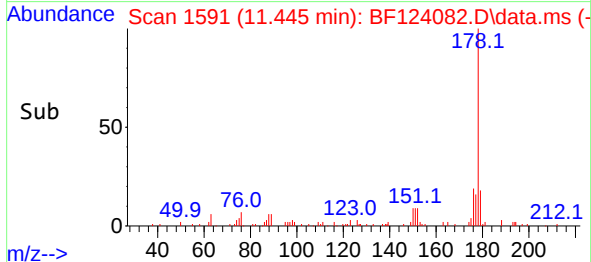
Instrument :
BNA_F
ClientSampled :
GHOST-3D



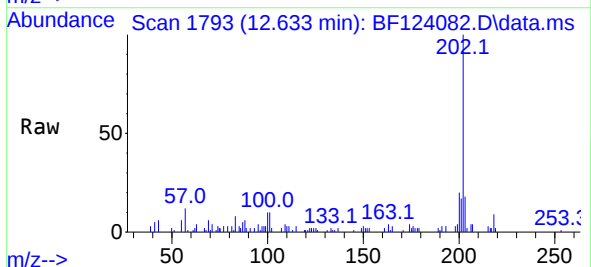
Tgt Ion:178 Resp: 33432
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 18.9 12.5 18.7#

Manual Integrations
APPROVED

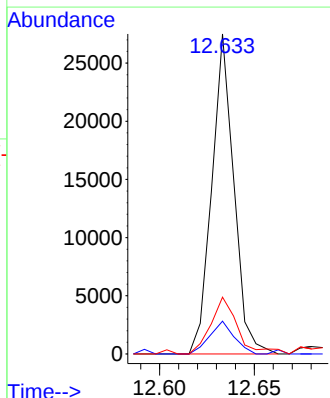
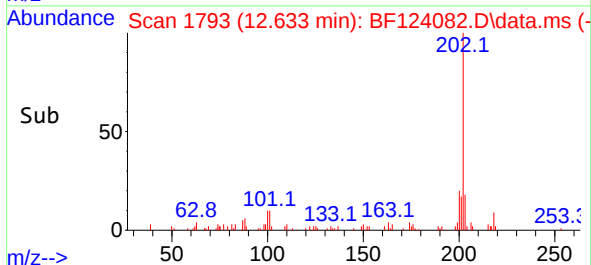
mohammad
5/27/2021 1:49:19 PM

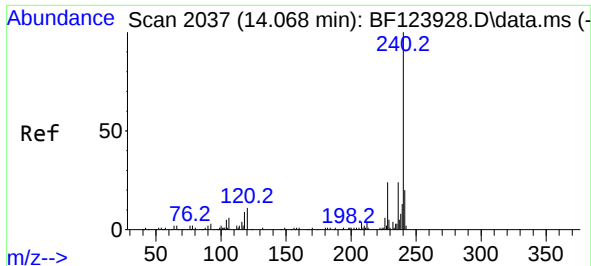


#75
Fluoranthene
Concen: 2.09 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02

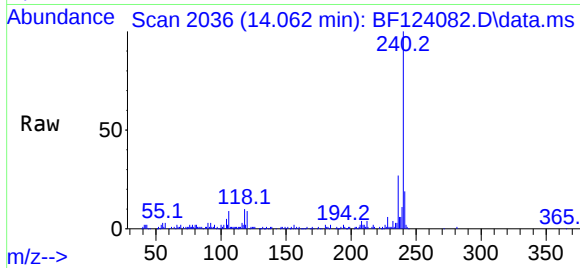


Tgt Ion:202 Resp: 22329
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.9
203 17.8 0.0 37.5

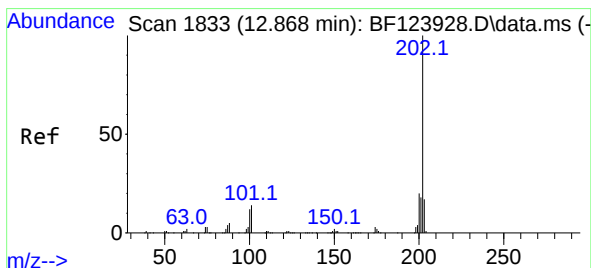
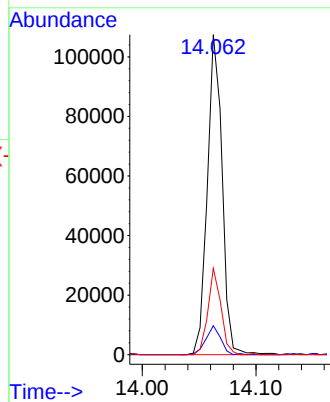
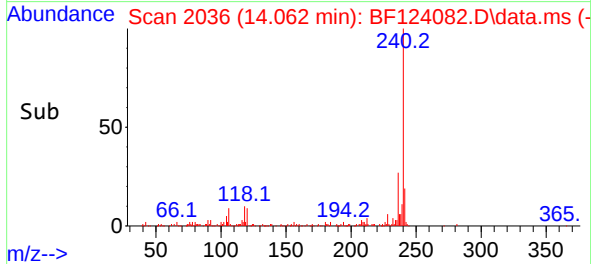




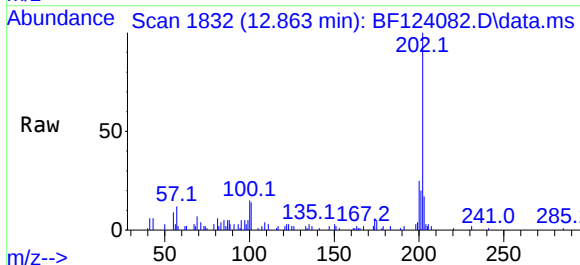
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



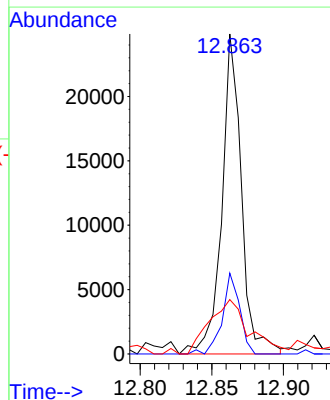
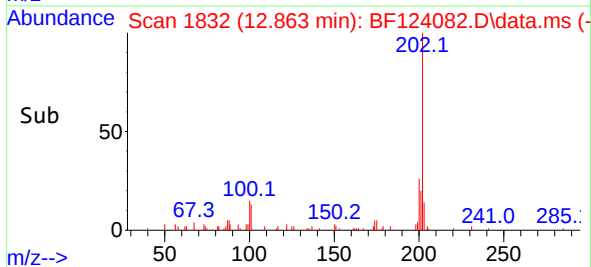
Tgt Ion:240 Resp: 96932
Ion Ratio Lower Upper
240 100
120 9.0 7.2 10.8
236 27.0 19.0 28.4



#78
Pyrene
Concen: 2.75 ng m
RT: 12.863 min Scan# 1832
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



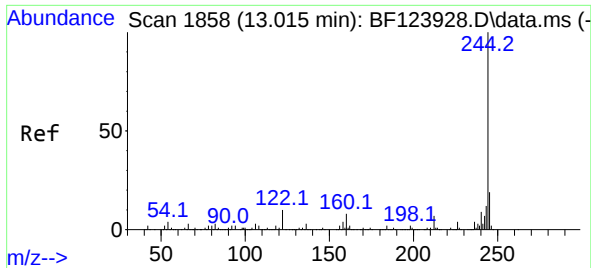
Tgt Ion:202 Resp: 23642
Ion Ratio Lower Upper
202 100
200 25.2 16.1 24.1#
203 17.0 14.8 22.2



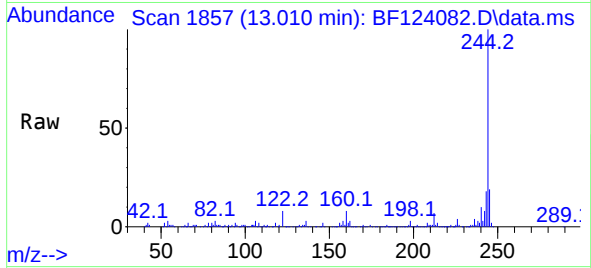
Instrument :
BNA_F
ClientSampleId :
GHOST-3D

Manual Integrations
APPROVED

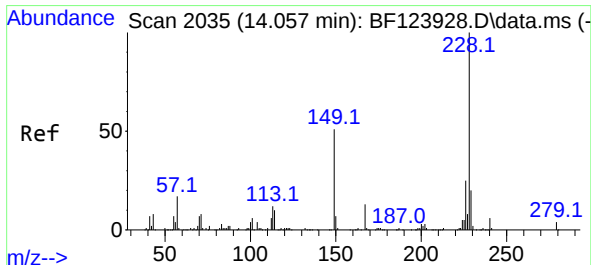
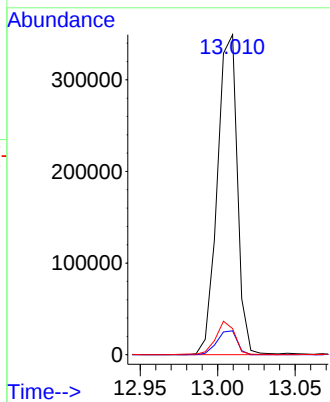
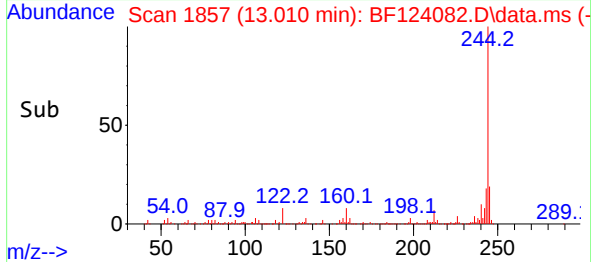
mohammad
5/27/2021 1:49:19 PM



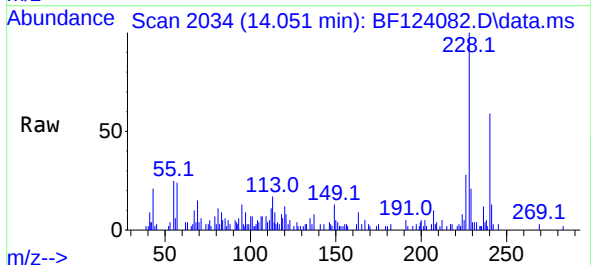
#79
Terphenyl-d14
Concen: 49.12 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



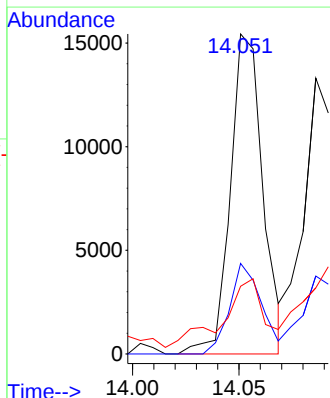
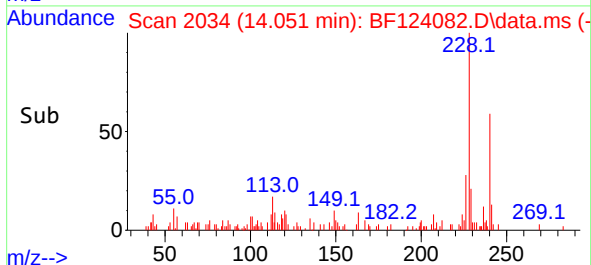
Tgt Ion:244 Resp: 314344
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 8.2 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 2.34 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



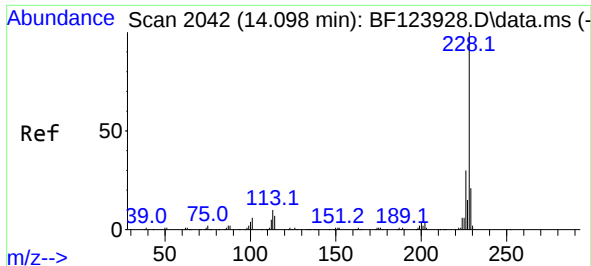
Tgt Ion:228 Resp: 16386
Ion Ratio Lower Upper
228 100
226 28.3 22.4 33.6
229 21.2 16.0 24.0



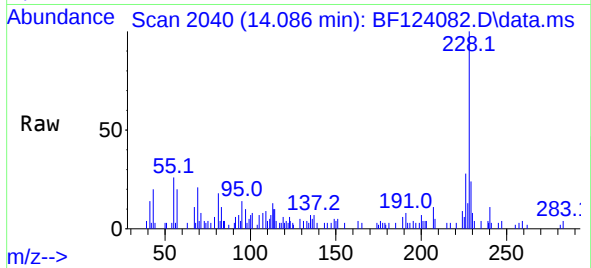
Instrument :
BNA_F
ClientSampleId :
GHOST-3D

Manual Integrations
APPROVED

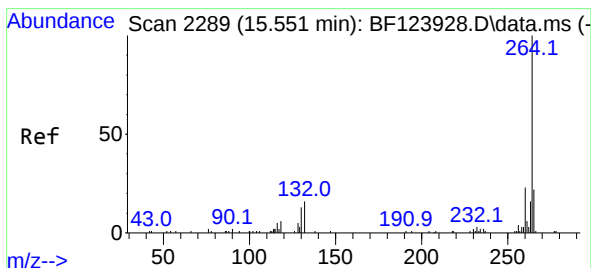
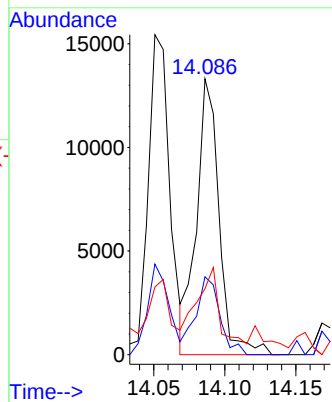
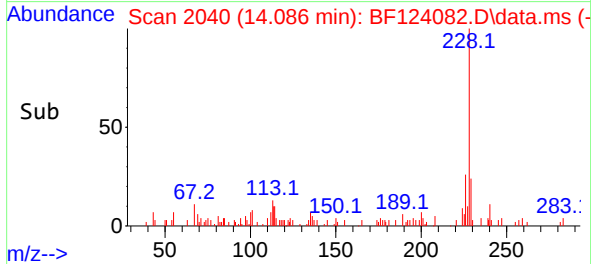
mohammad
5/27/2021 1:49:19 PM



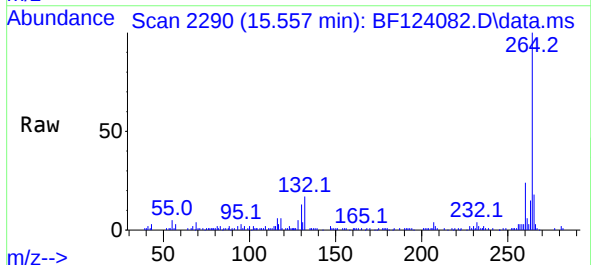
#83
Chrysene
Concen: 2.18 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



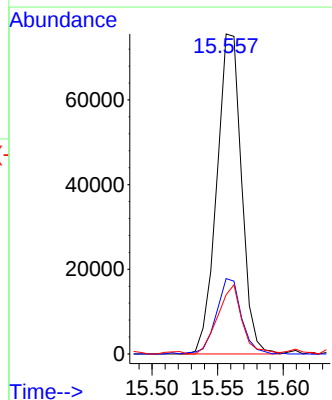
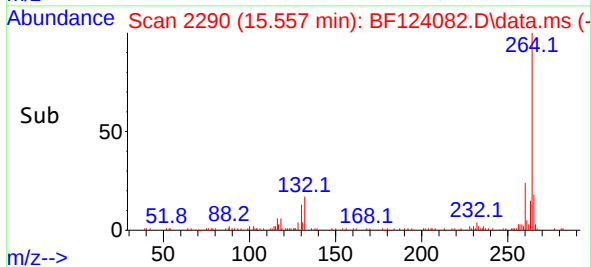
Tgt Ion:228 Resp: 14722
Ion Ratio Lower Upper
228 100
226 28.3 24.3 36.5
229 24.0 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF124082.D
Acq: 27 May 2021 1:02



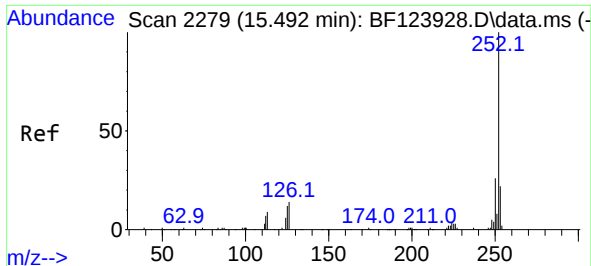
Tgt Ion:264 Resp: 99008
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 18.5 17.8 26.8



Instrument :
BNA_F
ClientSampleId :
GHOST-3D

Manual Integrations
APPROVED

mohammad
5/27/2021 1:49:19 PM



#90

Benzo(a)pyrene

Concen: 2.24 ng m

RT: 15.492 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF124082.D

Acq: 27 May 2021 1:02

Tgt Ion:	252	Resp:	14813
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.4	27.6
125	12.7	8.0	12.0#

Instrument :

BNA_F

ClientSampleId :

GHOST-3D

Manual Integrations
APPROVED

mohammad
5/27/2021 1:49:19 PM

