

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128324.D
 Acq On : 18 May 2022 21:24
 Operator : CG\JU
 Sample : N2908-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BI-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/19/2022
 Supervised By : Jagrut Upadhyay 05/19/2022

Quant Time: May 19 06:50:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	78709	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	292367	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	147639	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	220234	20.000	ng	0.00
76) Chrysene-d12	14.045	240	186529	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	195388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	404382	81.902	ng	0.00
7) Phenol-d6	6.498	99	522475	80.005	ng	-0.01
23) Nitrobenzene-d5	7.434	82	368561	56.723	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	108621	64.150	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	560349	59.386	ng	0.00
79) Terphenyl-d14	12.986	244	427502	43.005	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	24095	2.884	ng	97
55) Dibenzofuran	10.116	168	27155	2.289	ng	98
58) Fluorene	10.457	166	29979	3.245	ng	97
71) Phenanthrene	11.422	178	193155	17.614	ng	99
72) Anthracene	11.475	178	63013	5.755	ng	98
75) Fluoranthene	12.616	202	136957	11.519	ng	99
78) Pyrene	12.845	202	110606	8.178	ng	98
81) Benzo(a)anthracene	14.039	228	76085	6.386	ng	99
83) Chrysene	14.074	228	61922	5.447	ng	98
88) Benzo(b)fluoranthene	15.098	252	62913m	5.194	ng	
90) Benzo(a)pyrene	15.474	252	47594	4.867	ng	95

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

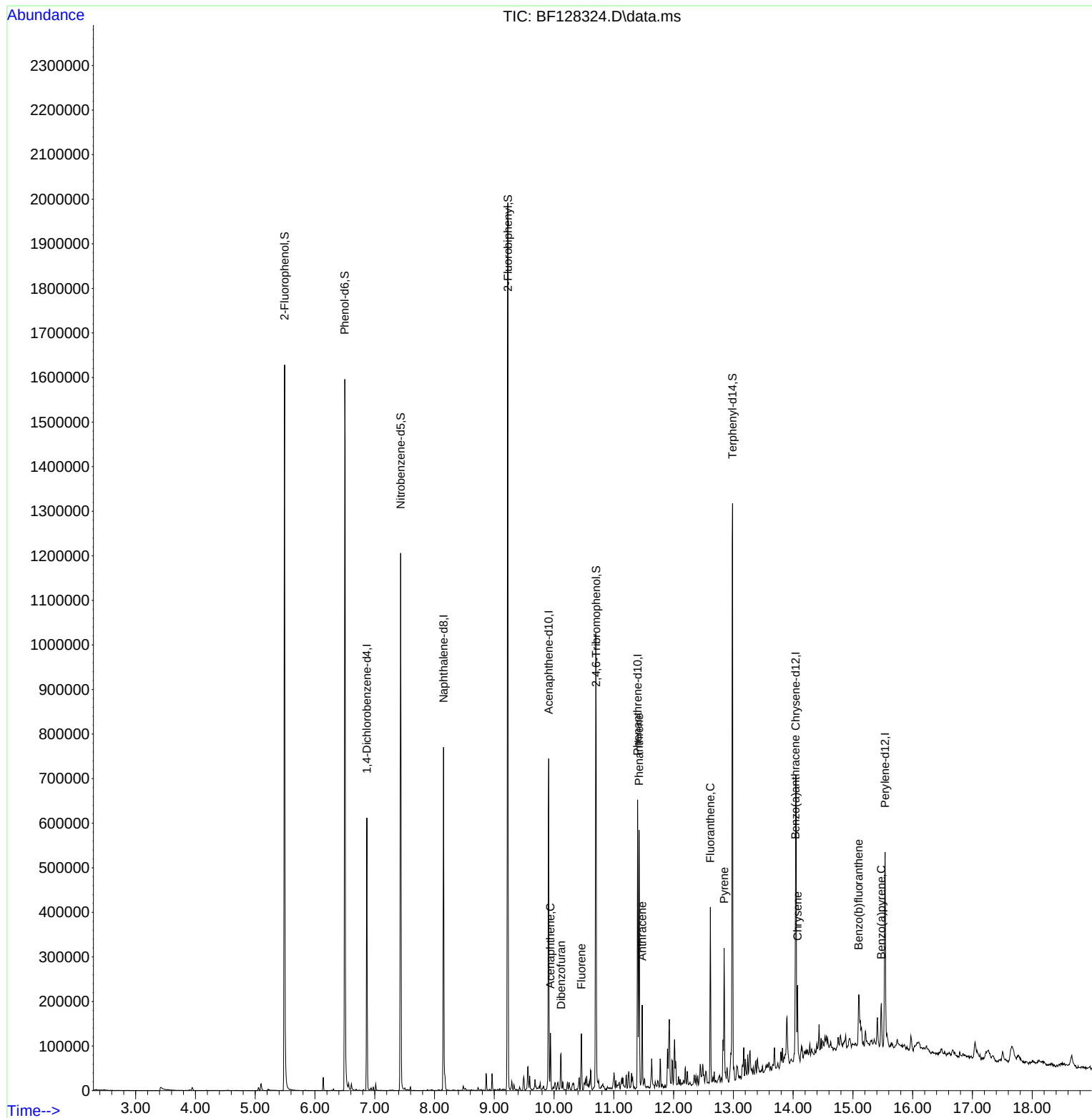
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
Data File : BF128324.D
Acq On : 18 May 2022 21:24
Operator : CG\JU
Sample : N2908-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

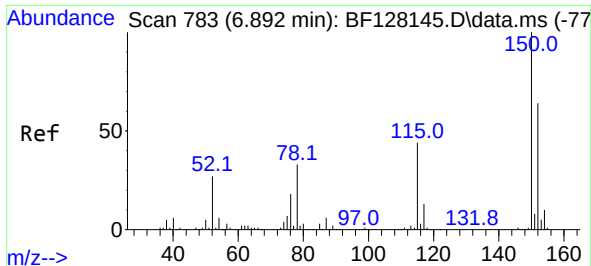
Instrument :
BNA_F
ClientSampleId :
BI-2

Quant Time: May 19 06:50:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 06:47:51 2022
Response via : Initial Calibration

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APPROVED

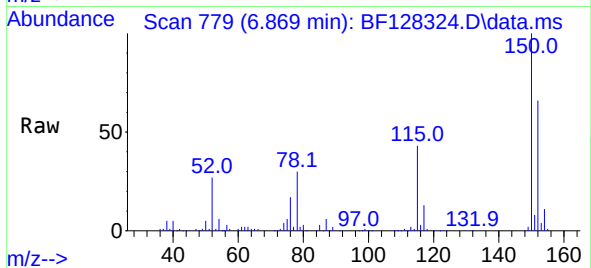
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

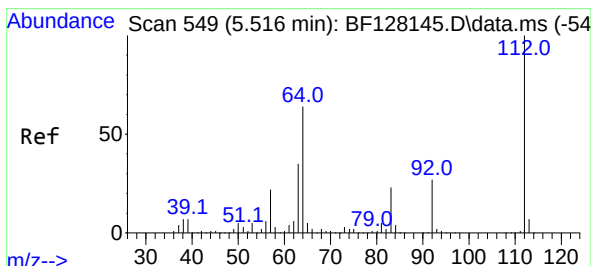
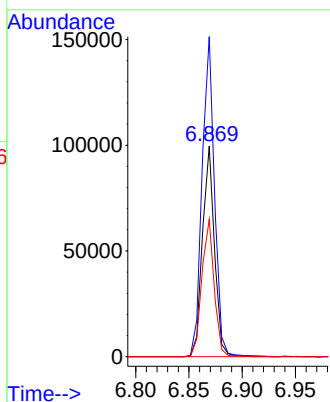
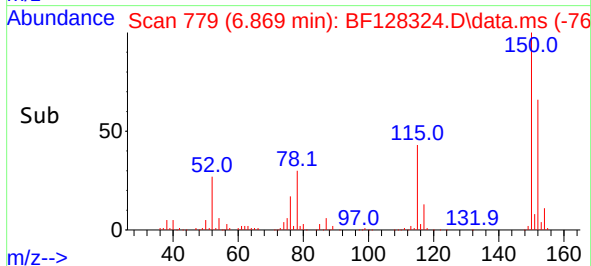
Instrument :
BNA_F
ClientSampleId :
BI-2



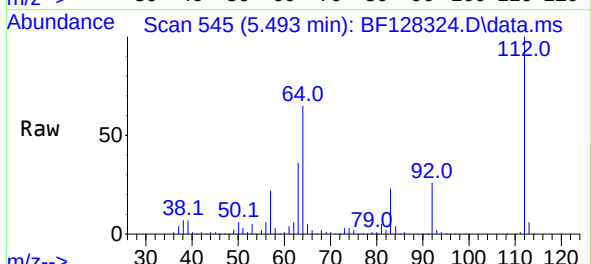
Tgt Ion:152 Resp: 78709
Ion Ratio Lower Upper
152 100
150 151.9 125.3 187.9
115 65.2 48.8 73.2

Manual Integrations
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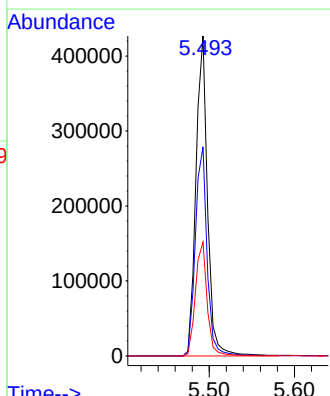
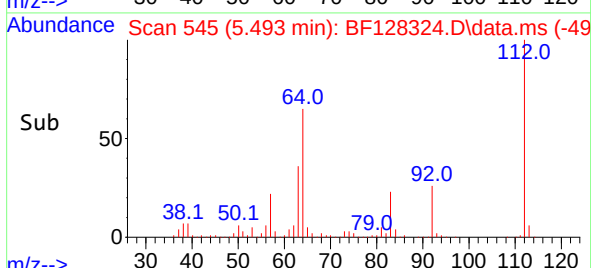
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

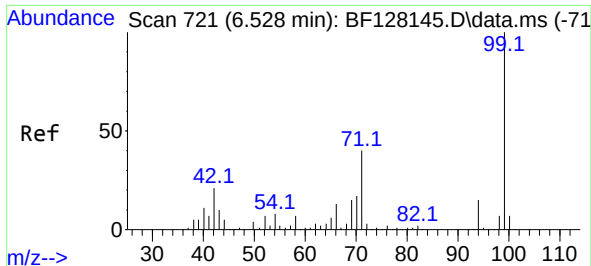


#5
2-Fluorophenol
Concen: 81.902 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



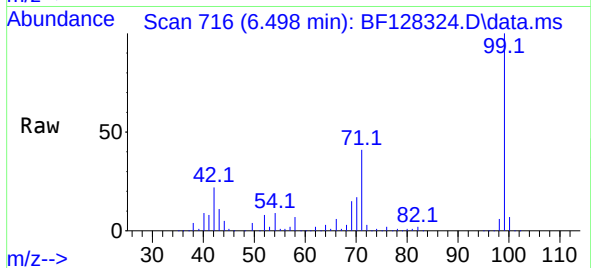
Tgt Ion:112 Resp: 404382
Ion Ratio Lower Upper
112 100
64 65.3 49.5 74.3
63 35.6 26.3 39.5





#7
Phenol-d6
Concen: 80.005 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

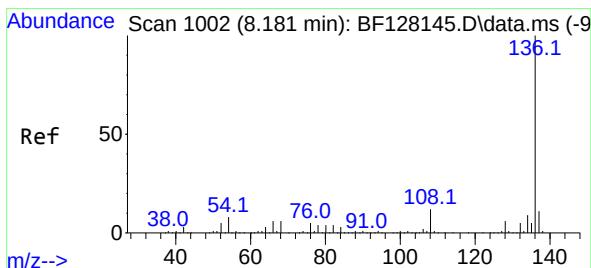
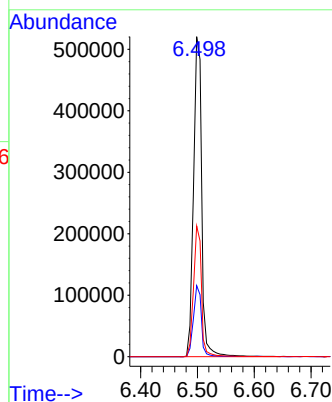
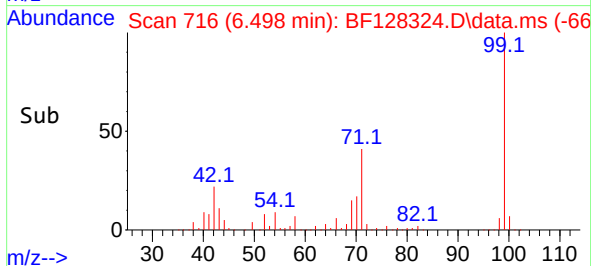
Instrument :
BNA_F
ClientSampleId :
BI-2



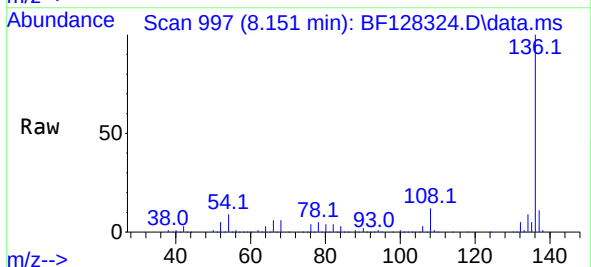
Tgt Ion: 99 Resp: 522475
Ion Ratio Lower Upper
99 100
42 22.2 16.6 24.8
71 40.8 30.0 45.0

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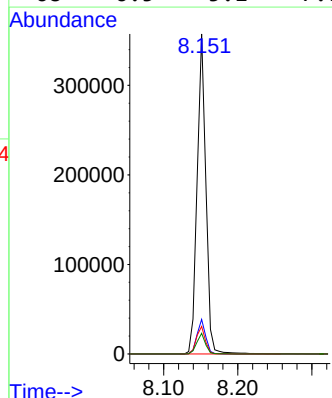
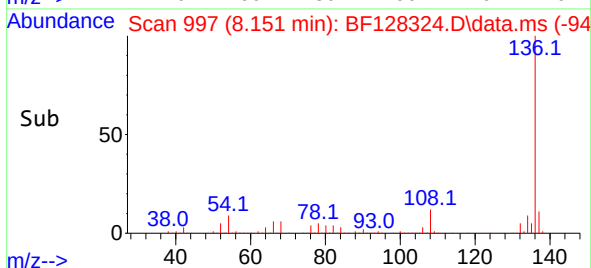
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

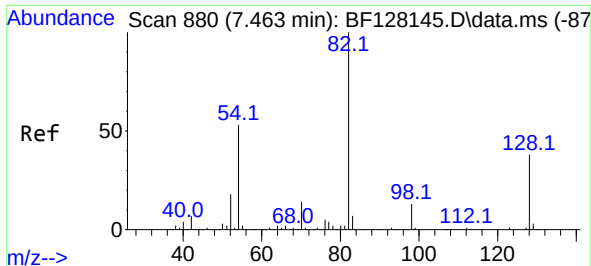


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



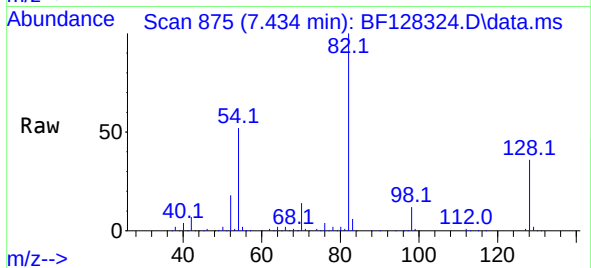
Tgt Ion:136 Resp: 292367
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 6.8 10.2
68 6.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 56.723 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

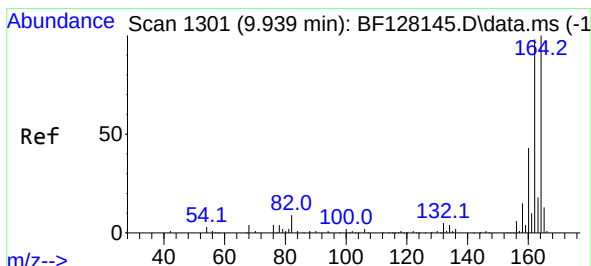
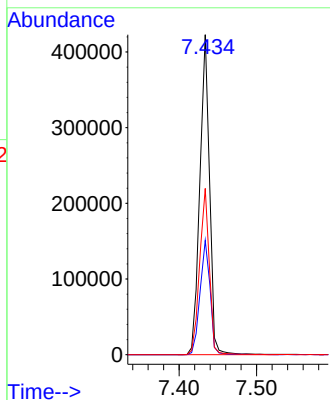
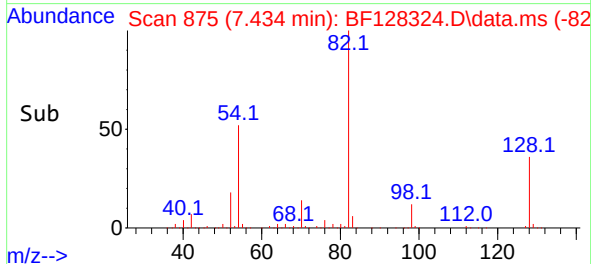
Instrument :
BNA_F
ClientSampleId :
BI-2



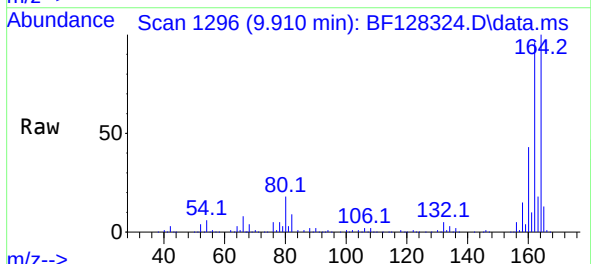
Tgt Ion: 82 Resp: 36856
Ion Ratio Lower Upper
82 100
128 35.7 30.0 45.0
54 52.0 41.3 61.9

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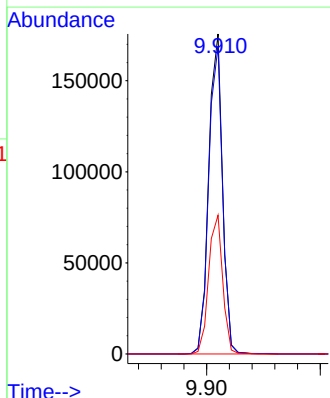
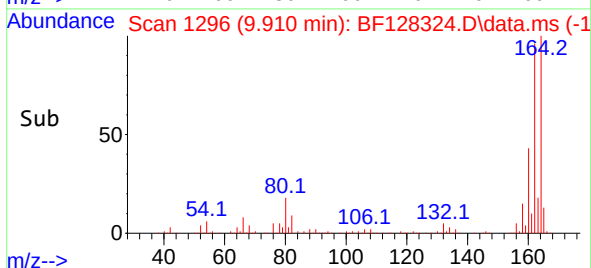
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

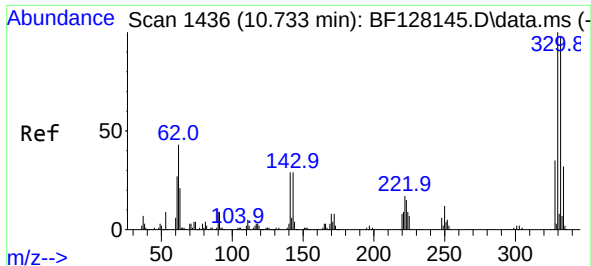


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



Tgt Ion:164 Resp: 147639
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 43.4 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 64.150 ng
RT: 10.704 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Instrument :

BNA_F

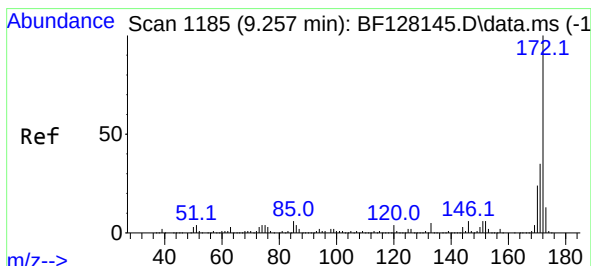
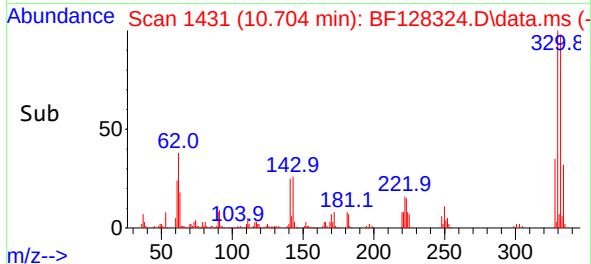
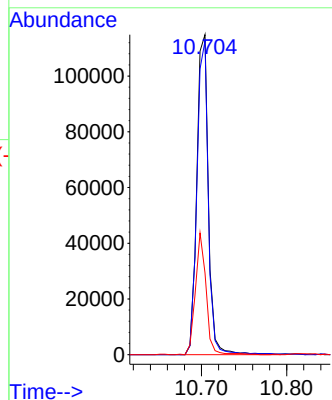
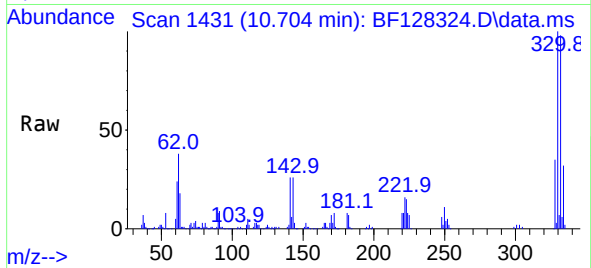
ClientSampleId :

BI-2

Tgt Ion:330 Resp: 10862
Ion Ratio Lower Upper
330 100
332 96.3 79.0 118.4
141 35.1 28.9 43.3

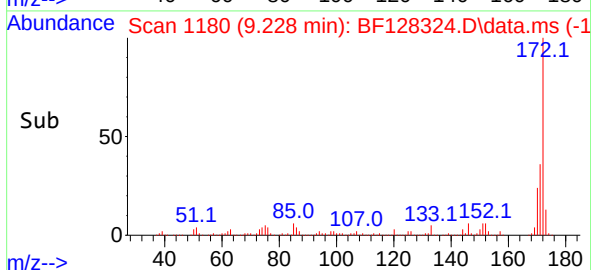
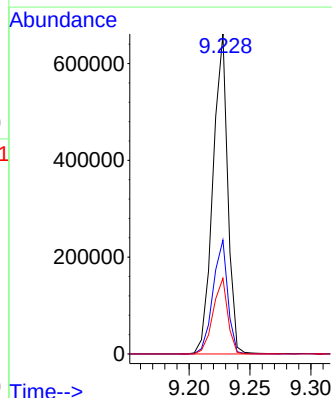
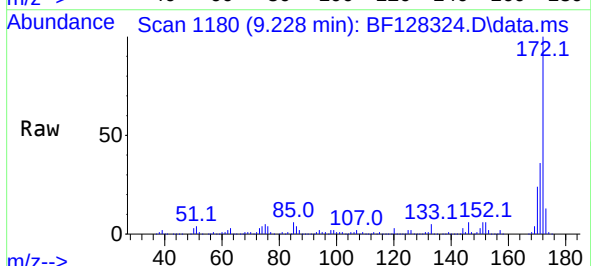
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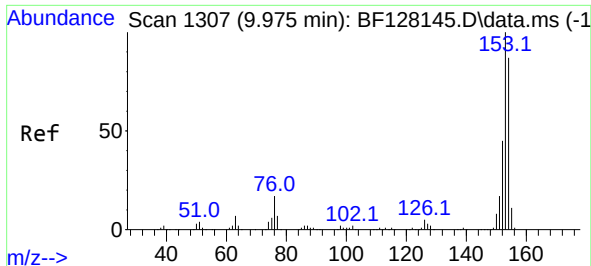
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#45
2-Fluorobiphenyl
Concen: 59.386 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

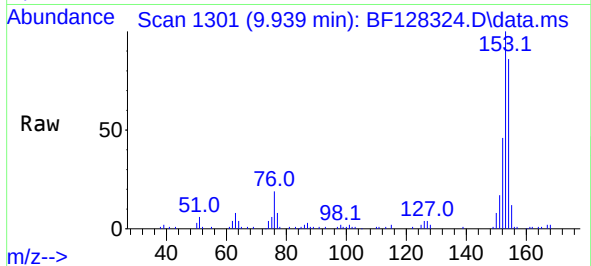
Tgt Ion:172 Resp: 560349
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.6 19.1 28.7





#52
Acenaphthene
Concen: 2.884 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

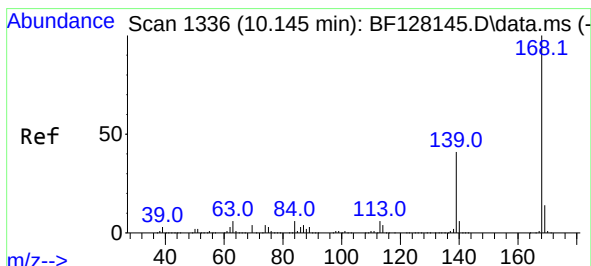
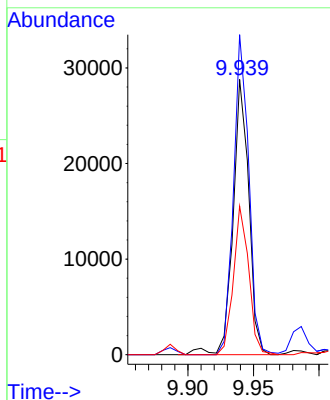
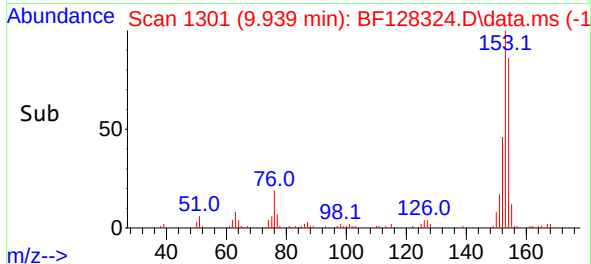
Instrument :
BNA_F
ClientSampleId :
BI-2



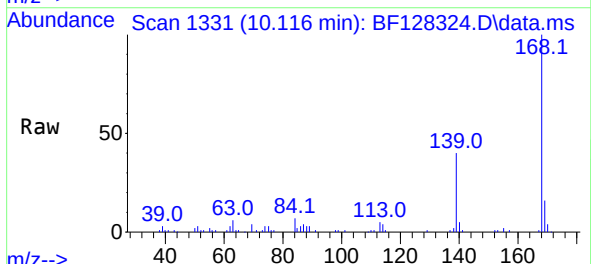
Tgt Ion:154 Resp: 2409
Ion Ratio Lower Upper
154 100
153 116.3 90.5 135.7
152 53.9 41.0 61.6

Manual Integrations
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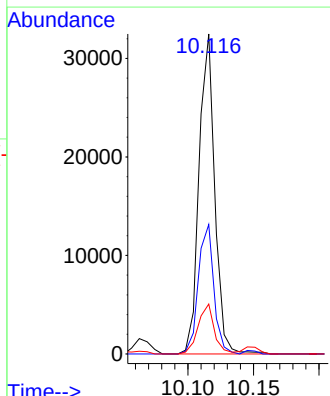
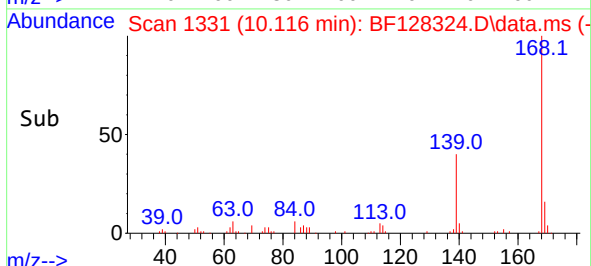
Reviewed By :Christian Giraldo 05/19/2022
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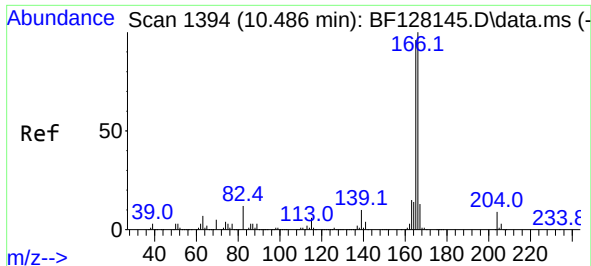


#55
Dibenzofuran
Concen: 2.289 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



Tgt Ion:168 Resp: 27155
Ion Ratio Lower Upper
168 100
139 40.5 31.7 47.5
169 15.6 10.9 16.3





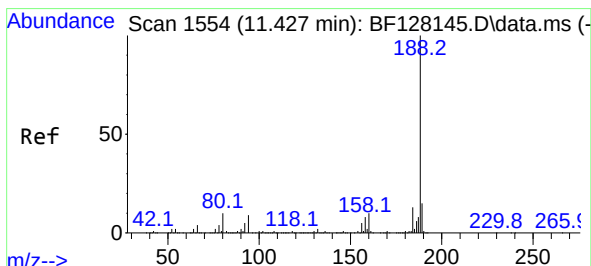
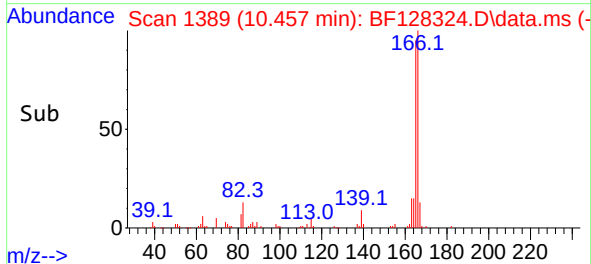
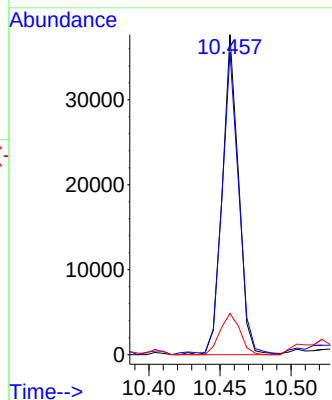
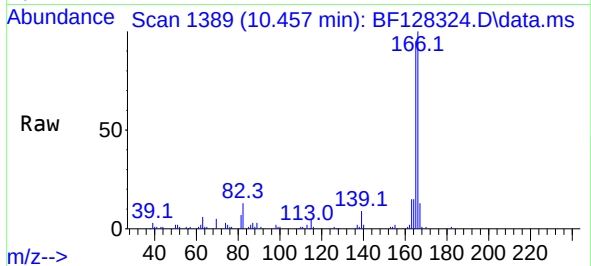
#58
Fluorene
Concen: 3.245 ng
RT: 10.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Instrument :
BNA_F
ClientSampleId :
BI-2

Tgt Ion:166 Resp: 29979
Ion Ratio Lower Upper
166 100
165 94.5 78.6 117.8
167 12.9 10.5 15.7

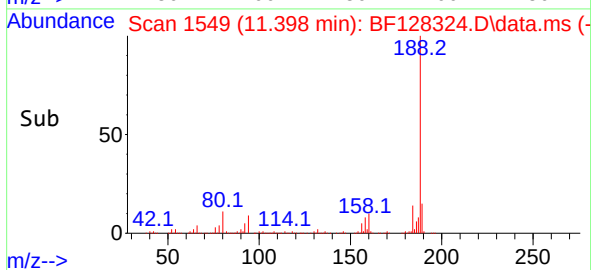
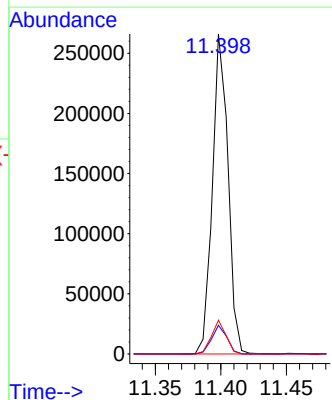
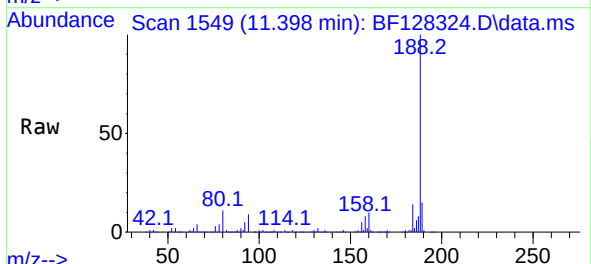
Manual Integrations
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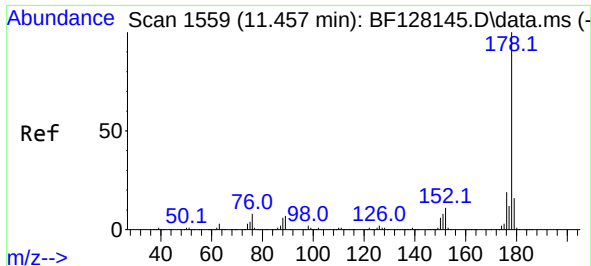
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

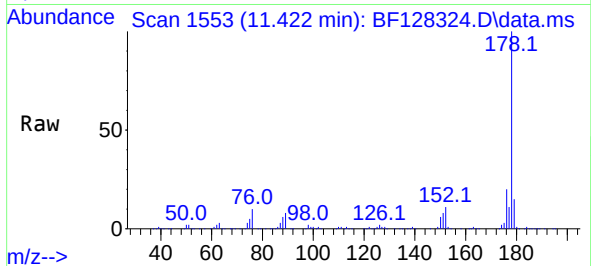
Tgt Ion:188 Resp: 220234
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 10.5 8.9 13.3





#71
Phenanthrene
Concen: 17.614 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

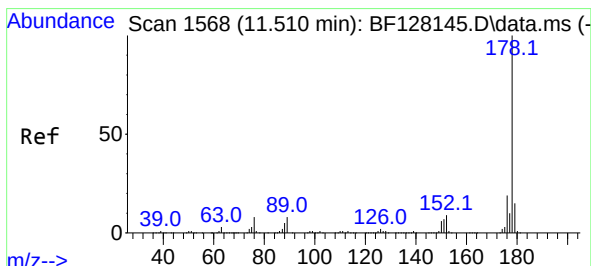
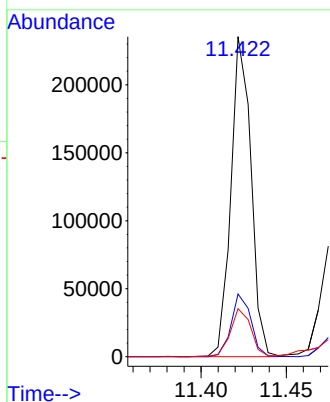
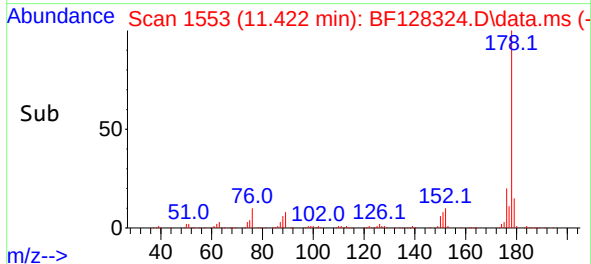
Instrument :
BNA_F
ClientSampleId :
BI-2



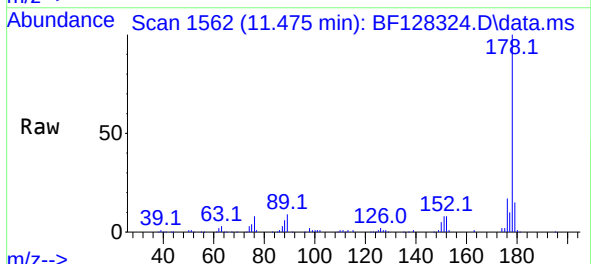
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Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.0 12.6 19.0

Manual Integrations
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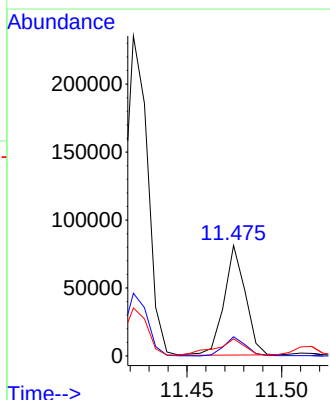
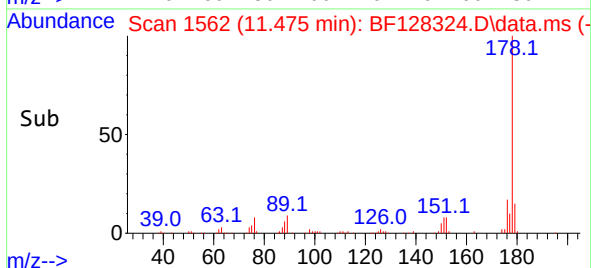
Reviewed By :Christian Giraldo 05/19/2022
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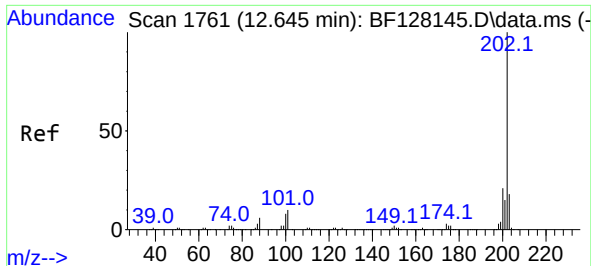


#72
Anthracene
Concen: 5.755 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



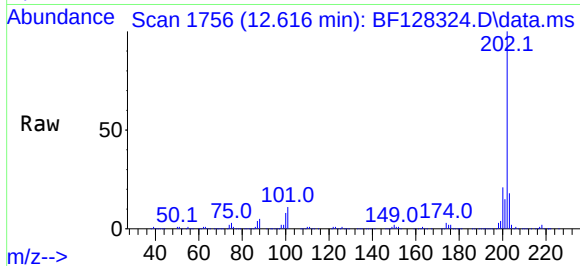
Tgt Ion:178 Resp: 63013
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 11.519 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

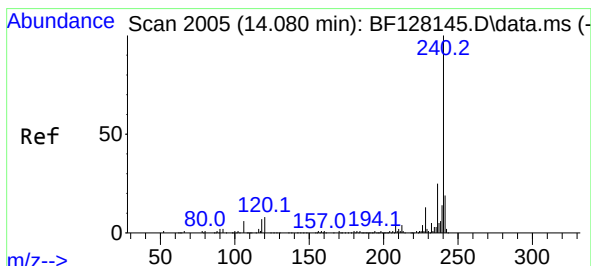
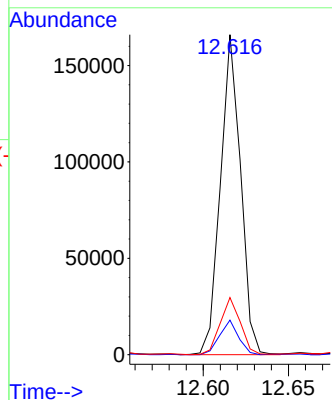
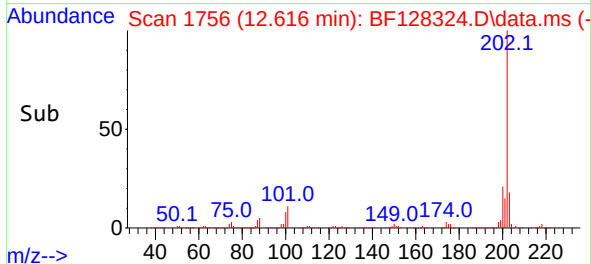
Instrument :
BNA_F
ClientSampleId :
BI-2



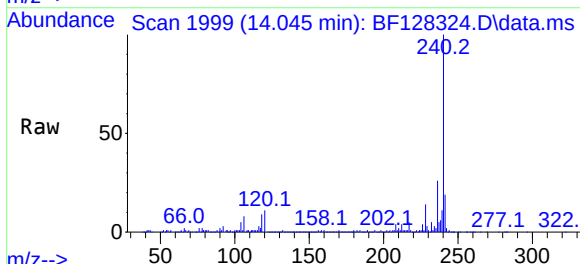
Tgt Ion:202 Resp: 13695
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.6
203 17.9 0.0 38.1

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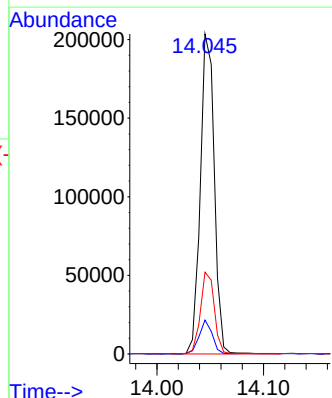
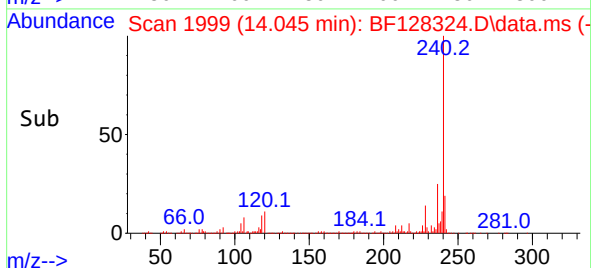
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

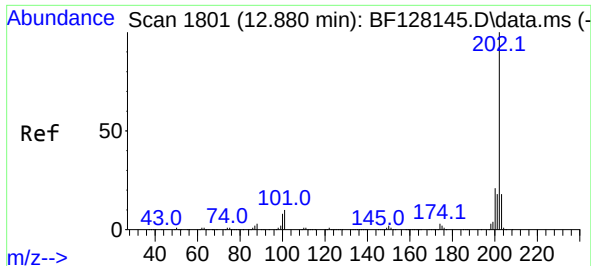


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



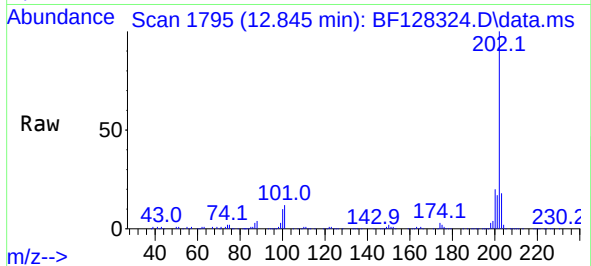
Tgt Ion:240 Resp: 186529
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 25.6 20.3 30.5





#78
Pyrene
Concen: 8.178 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

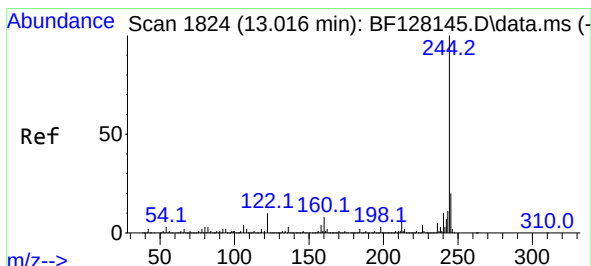
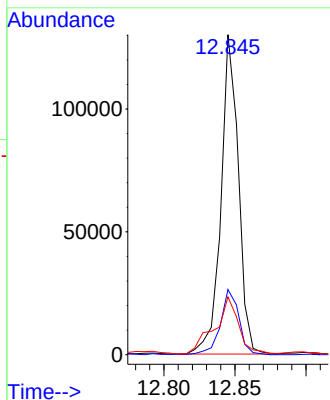
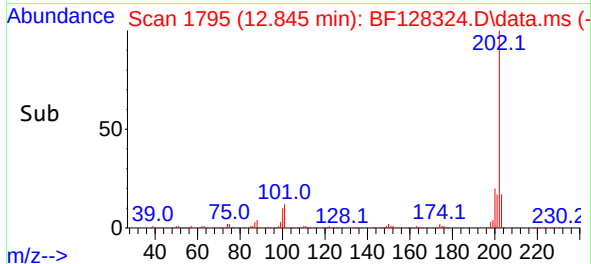
Instrument :
BNA_F
ClientSampleId :
BI-2



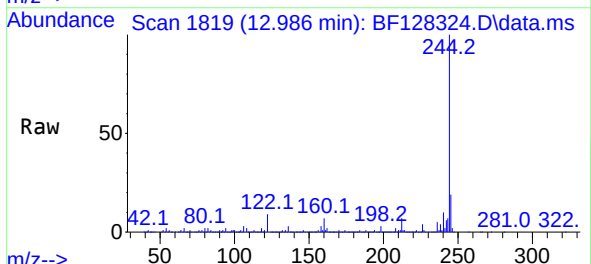
Tgt Ion:202 Resp: 110600
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 18.0 14.0 21.0

Manual Integrations
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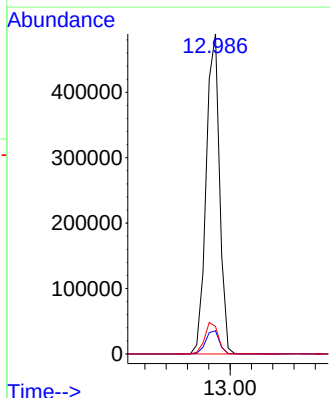
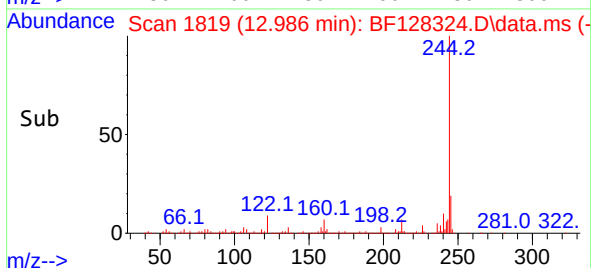
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

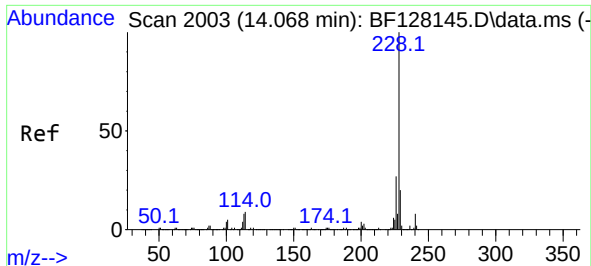


#79
Terphenyl-d14
Concen: 43.005 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24



Tgt Ion:244 Resp: 427502
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 8.6 8.6 12.8





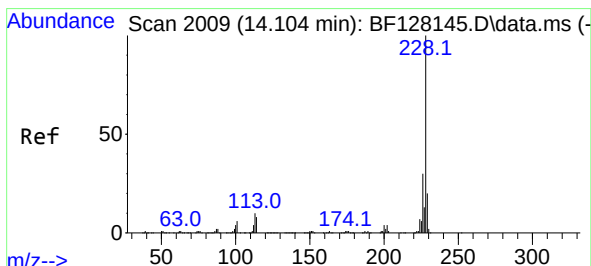
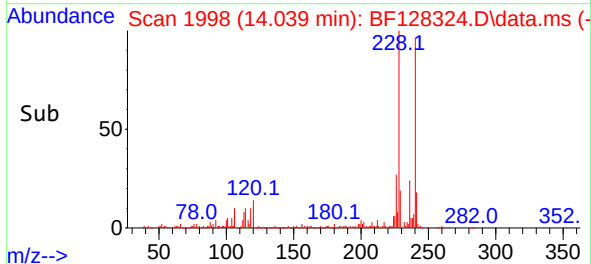
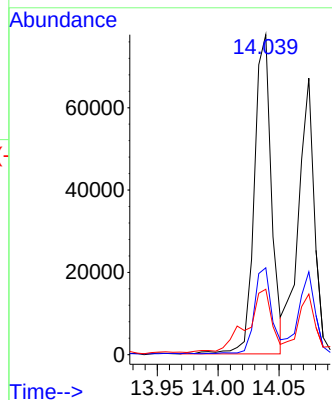
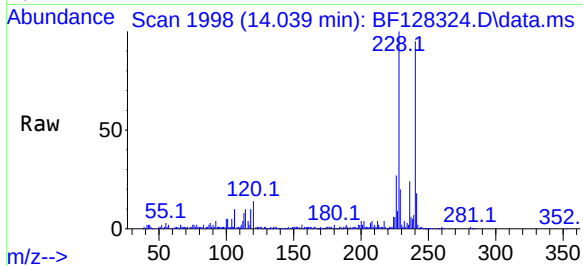
#81
Benzo(a)anthracene
Concen: 6.386 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Instrument :
BNA_F
ClientSampleId :
BI-2

Tgt Ion:228 Resp: 7608
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 20.4 15.4 23.2

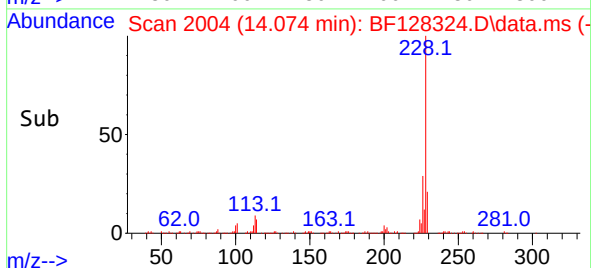
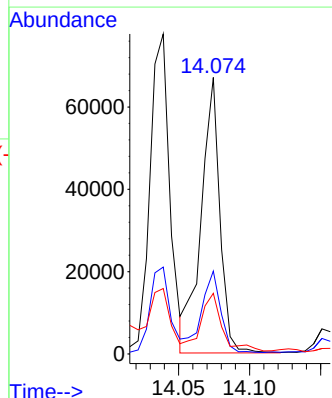
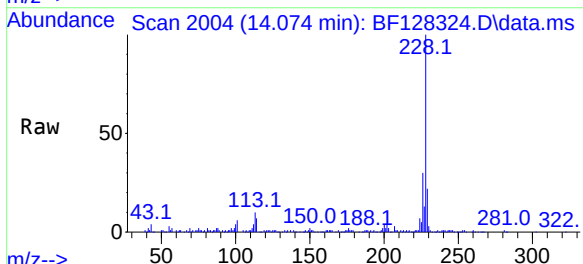
Manual Integrations
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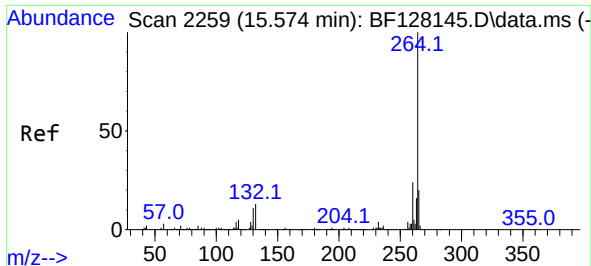
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#83
Chrysene
Concen: 5.447 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Tgt Ion:228 Resp: 61922
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.9 15.8 23.8





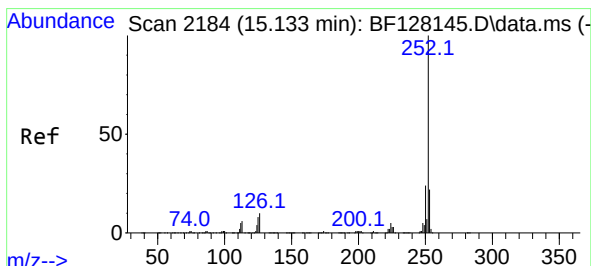
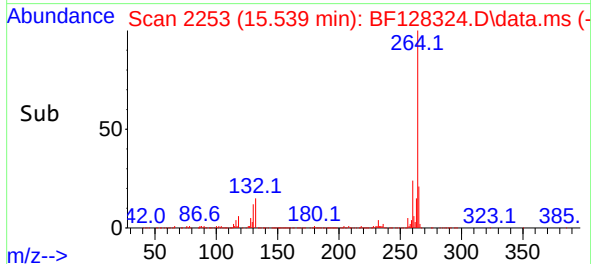
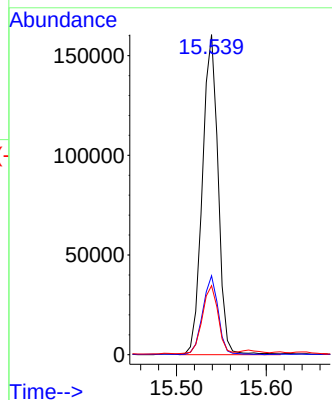
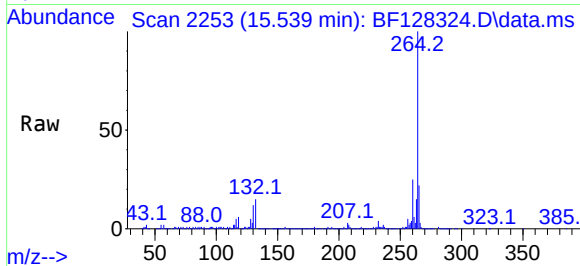
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Instrument :
BNA_F
ClientSampleId :
BI-2

Tgt Ion:264 Resp: 195388
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 21.6 17.5 26.3

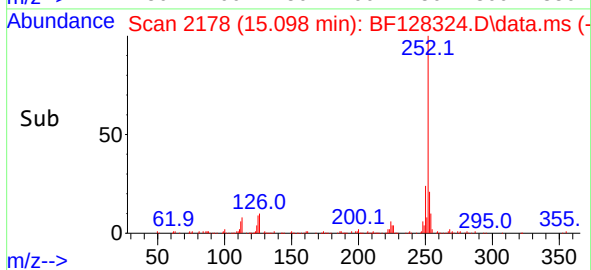
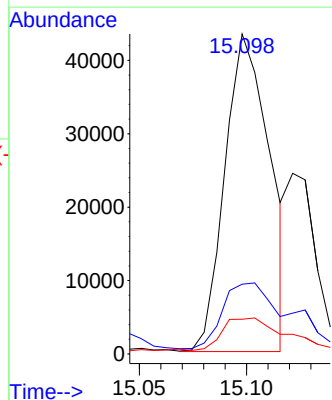
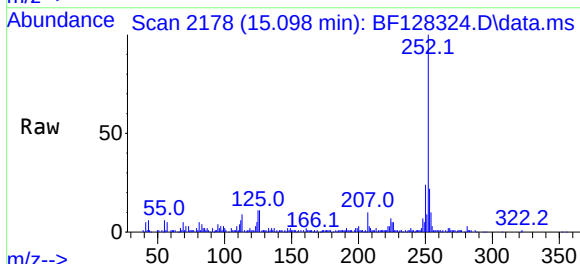
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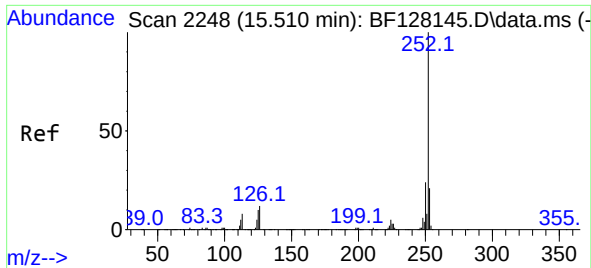
Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022



#88
Benzo(b)fluoranthene
Concen: 5.194 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

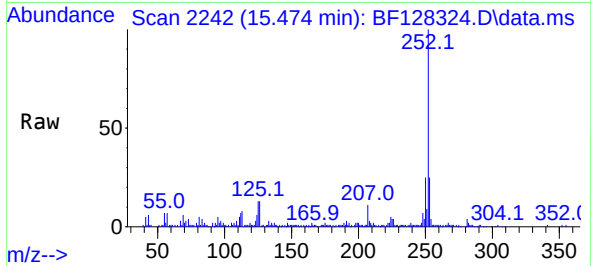
Tgt Ion:252 Resp: 62913
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 10.8 7.4 11.2





#90
Benzo(a)pyrene
Concen: 4.867 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128324.D
Acq: 18 May 2022 21:24

Instrument :
BNA_F
ClientSampleId :
BI-2



Tgt Ion:252 Resp: 47594
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 12.5 9.2 13.8

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Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

