

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012422\
 Data File : BF126651.D
 Acq On : 24 Jan 2022 20:44
 Operator : CG/JU
 Sample : N1242-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-124055

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/25/2022
 Supervised By : Jagrut Upadhyay 01/25/2022

Quant Time: Jan 25 03:15:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

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

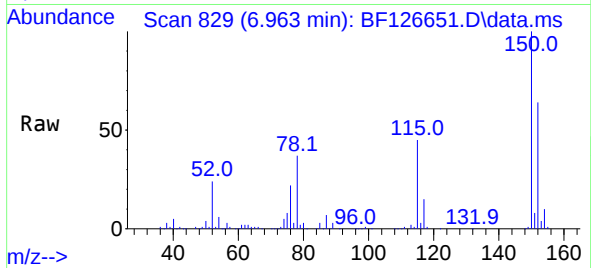
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	112135	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	429604	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	224206	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	342848	20.000	ng	0.00
76) Chrysene-d12	14.145	240	225589	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	233091	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	874831	102.661	ng	0.00
7) Phenol-d6	6.581	99	1184076	100.009	ng	0.00
23) Nitrobenzene-d5	7.522	82	869913	79.258	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	204952	97.679	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	956045	65.305	ng	0.00
79) Terphenyl-d14	13.086	244	699588	52.015	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.587	94	31559	2.506	ng	81
37) 2-Methylnaphthalene	8.957	142	30193	2.092	ng	99
71) Phenanthrene	11.522	178	109567	5.594	ng	98
75) Fluoranthene	12.716	202	78407	4.053	ng	95
78) Pyrene	12.945	202	82085	4.500	ng	97
81) Benzo(a)anthracene	14.133	228	33841	2.207	ng	# 82
83) Chrysene	14.169	228	43586m	2.954	ng	
88) Benzo(b)fluoranthene	15.210	252	35719m	2.311	ng	
90) Benzo(a)pyrene	15.598	252	34656	2.756	ng	# 90

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

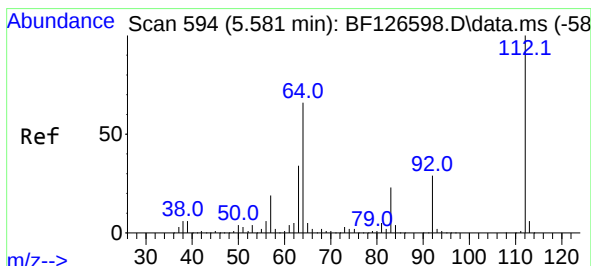
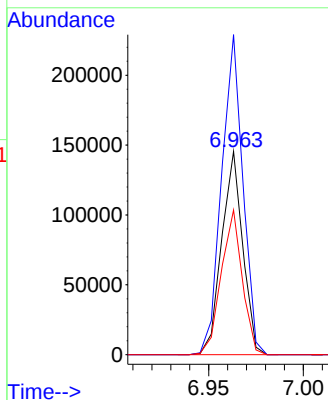
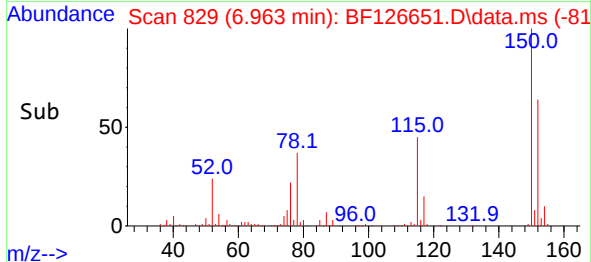
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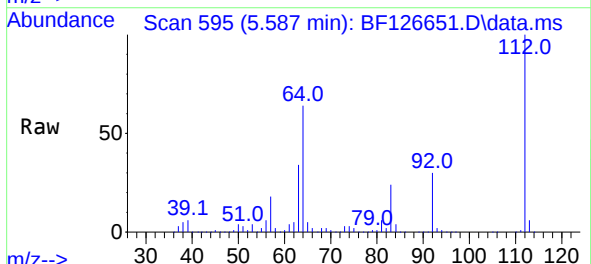
Tgt Ion:152 Resp: 11213
Ion Ratio Lower Upper
152 100
150 157.4 128.1 192.1
115 71.1 56.7 85.1

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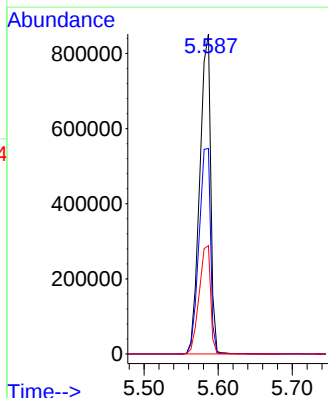
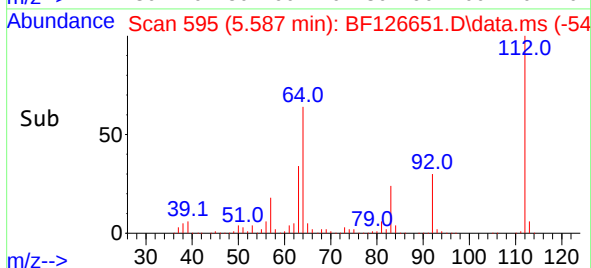
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

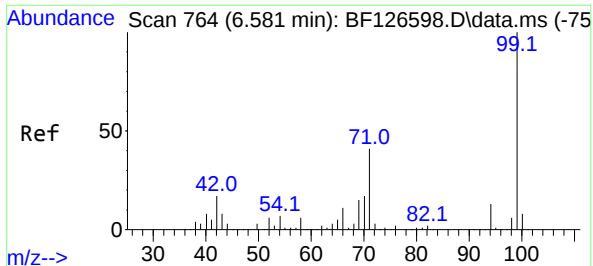


#5
2-Fluorophenol
Concen: 102.661 ng
RT: 5.587 min Scan# 595
Delta R.T. 0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44



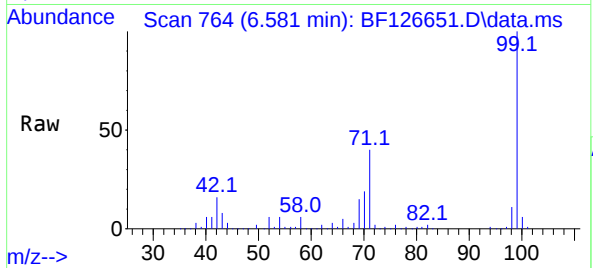
Tgt Ion:112 Resp: 874831
Ion Ratio Lower Upper
112 100
64 64.2 49.5 74.3
63 33.9 23.9 35.9





#7
Phenol-d6
Concen: 100.009 ng
RT: 6.581 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

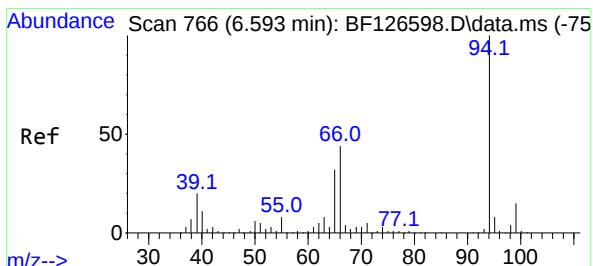
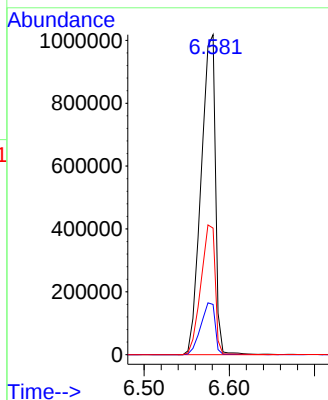
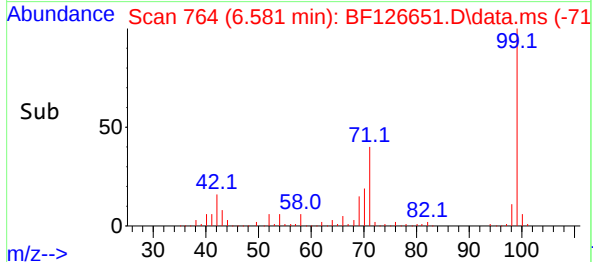
Instrument :
BNA_F
ClientSampleId :
PSC-124055



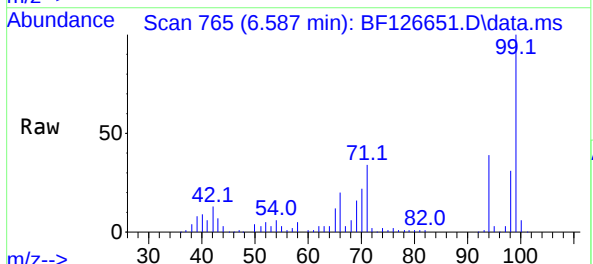
Tgt Ion: 99 Resp: 1184070
Ion Ratio Lower Upper
99 100
42 15.7 14.2 21.4
71 39.5 24.3 36.5

Manual Integrations
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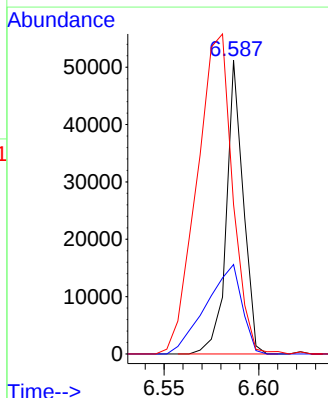
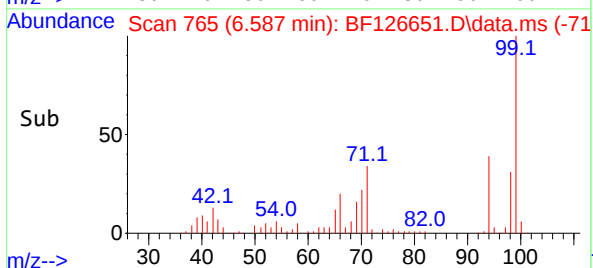
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

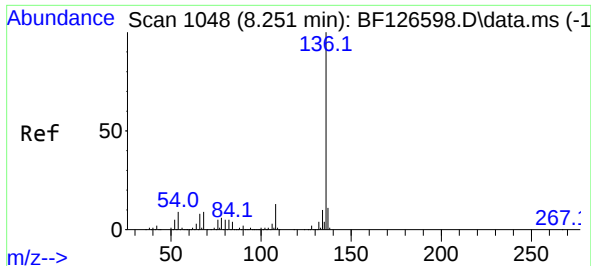


#10
Phenol
Concen: 2.506 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44



Tgt Ion: 94 Resp: 31559
Ion Ratio Lower Upper
94 100
65 30.5 7.2 47.2
66 50.9 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Instrument :

BNA_F

ClientSampleId :

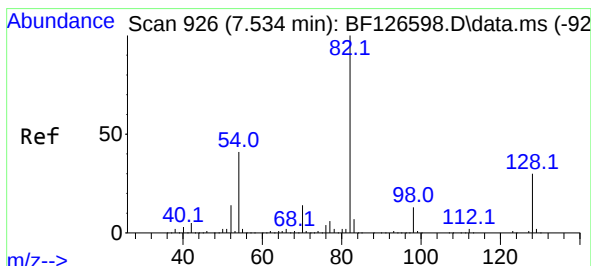
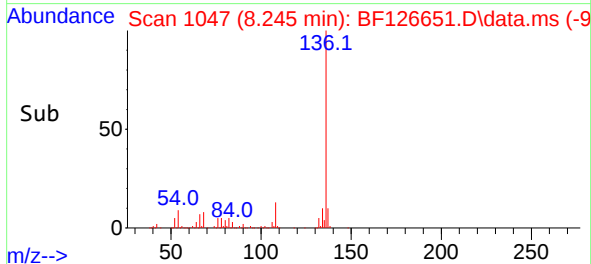
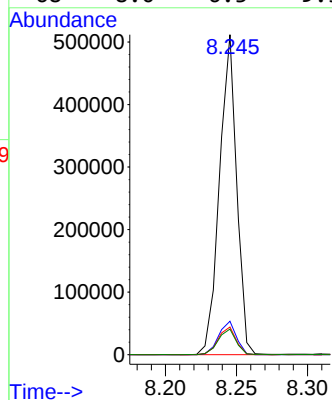
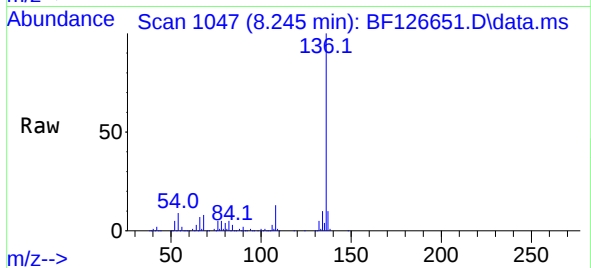
PSC-124055

Tgt Ion:136 Resp: 429604
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.6 7.8 11.6
68 8.0 6.3 9.5

Manual Integrations

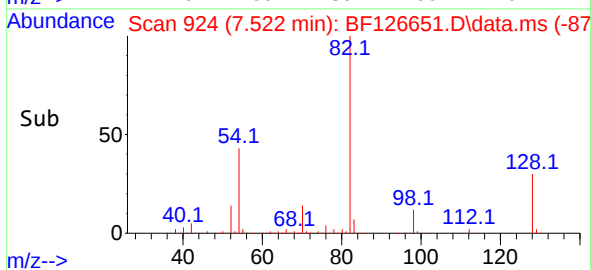
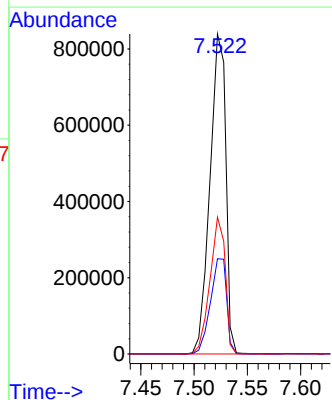
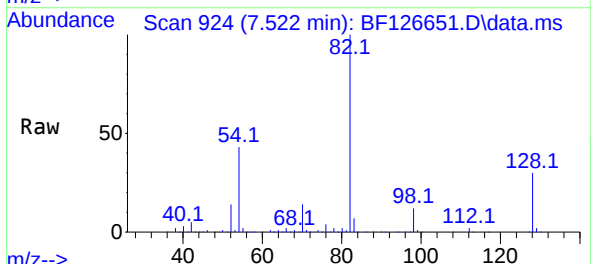
APPROVED

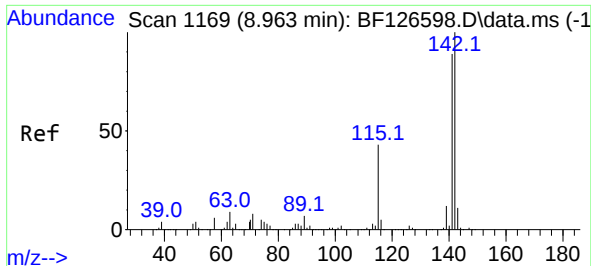
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#23
Nitrobenzene-d5
Concen: 79.258 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.012 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Tgt Ion: 82 Resp: 869913
Ion Ratio Lower Upper
82 100
128 29.7 32.7 49.1#
54 42.7 41.7 62.5





#37
2-Methylnaphthalene
Concen: 2.092 ng
RT: 8.957 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Instrument :

BNA_F

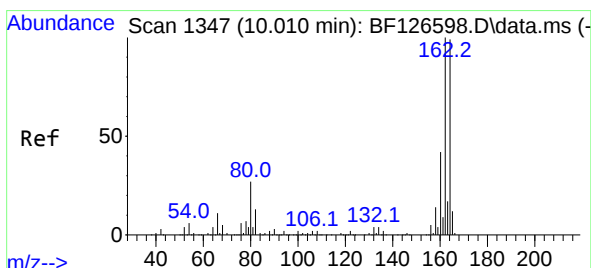
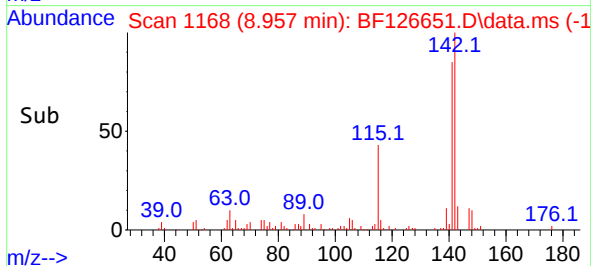
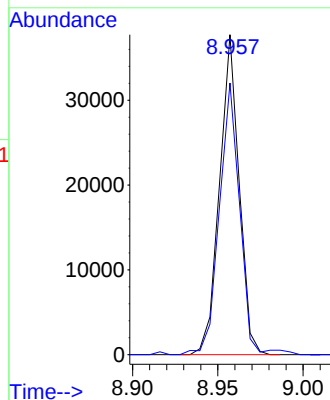
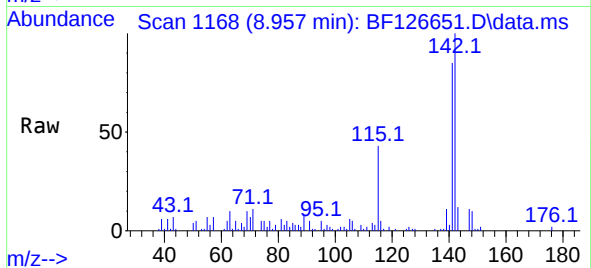
ClientSampleId :

PSC-124055

Tgt Ion:142 Resp: 3019
Ion Ratio Lower Upper
142 100
141 84.9 68.6 102.8

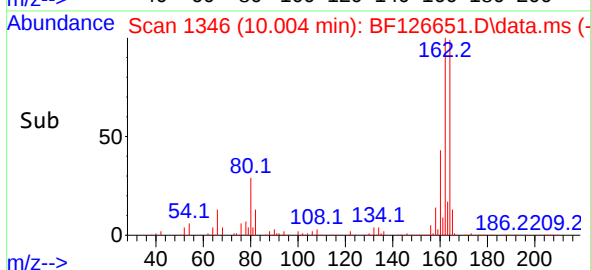
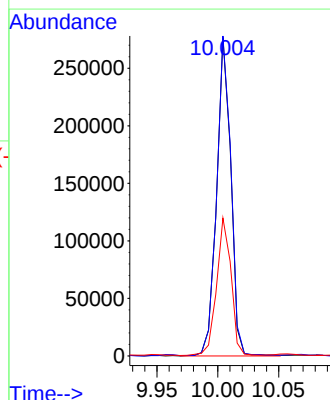
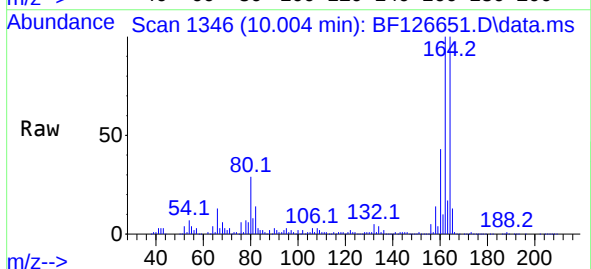
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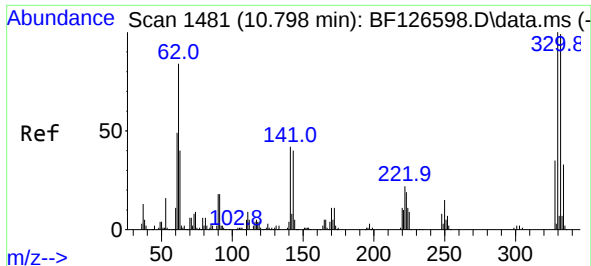
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

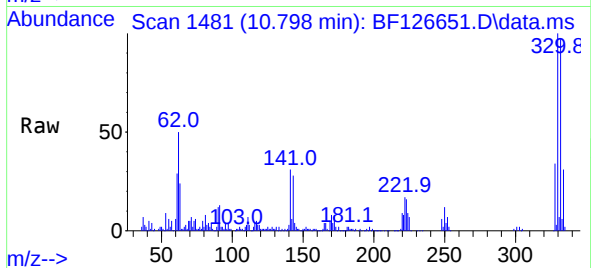
Tgt Ion:164 Resp: 224206
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 43.3 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 97.679 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

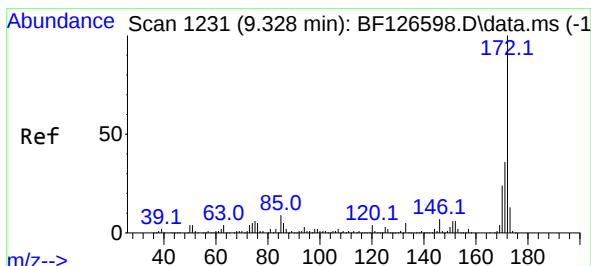
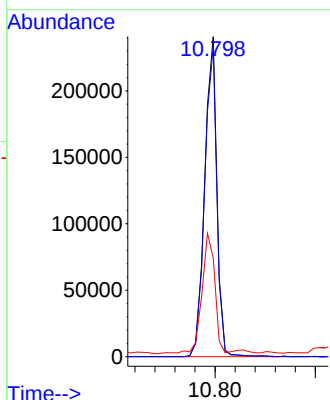
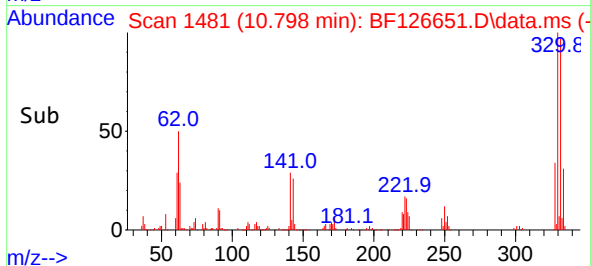
Instrument :
BNA_F
ClientSampleId :
PSC-124055



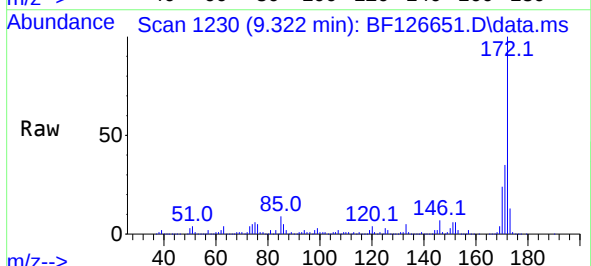
Tgt Ion: 330 Resp: 204952
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 40.0 30.1 45.1

Manual Integrations
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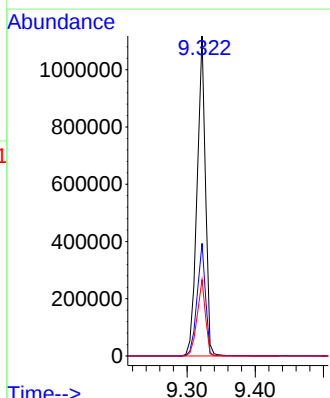
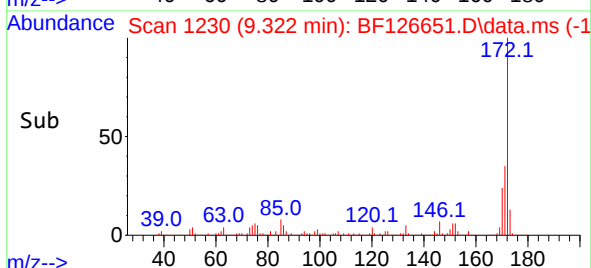
Reviewed By : Christian Giraldo 01/25/2022
Supervised By : Jagrut Upadhyay 01/25/2022

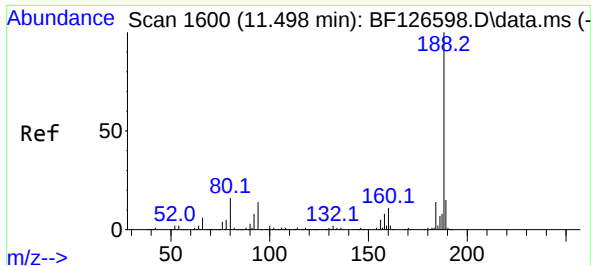


#45
2-Fluorobiphenyl
Concen: 65.305 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44



Tgt Ion: 172 Resp: 956045
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.9 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Instrument :

BNA_F

ClientSampleId :

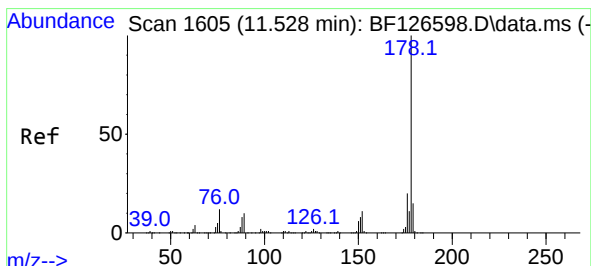
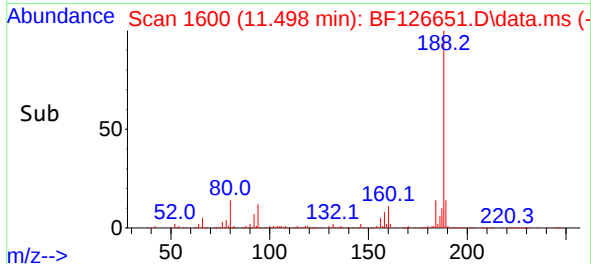
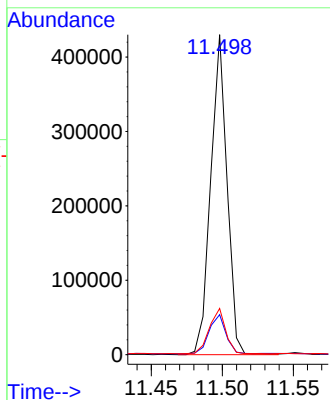
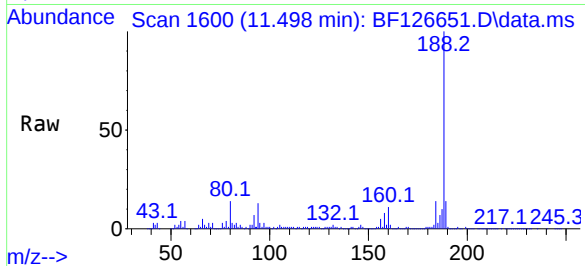
PSC-124055

Tgt Ion:188 Resp: 34284
Ion Ratio Lower Upper
188 100
94 12.5 10.1 15.1
80 14.5 11.8 17.6

Manual Integrations

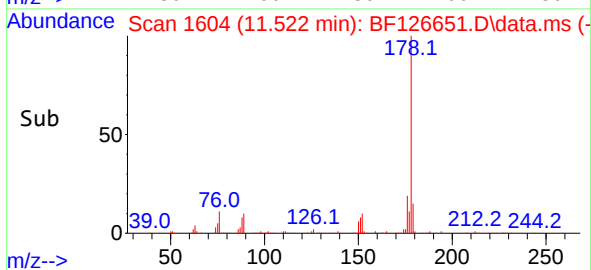
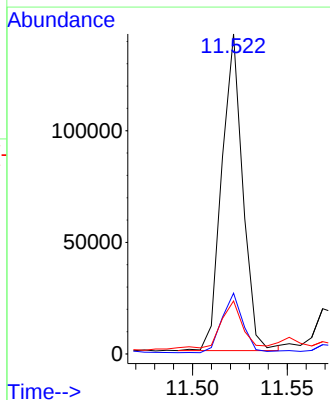
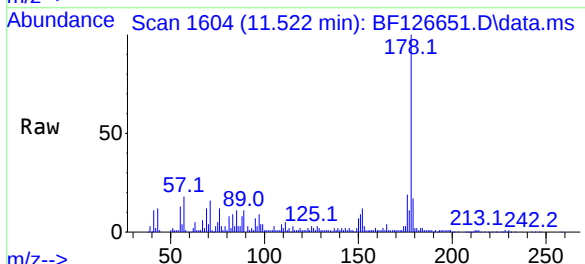
APPROVED

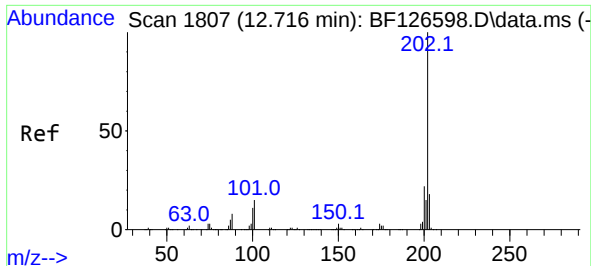
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#71
Phenanthrene
Concen: 5.594 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

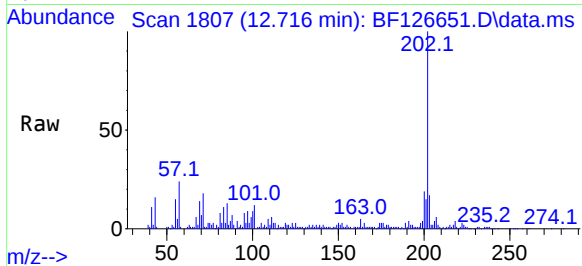
Tgt Ion:178 Resp: 109567
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 16.5 12.3 18.5





#75
Fluoranthene
Concen: 4.053 ng
RT: 12.716 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

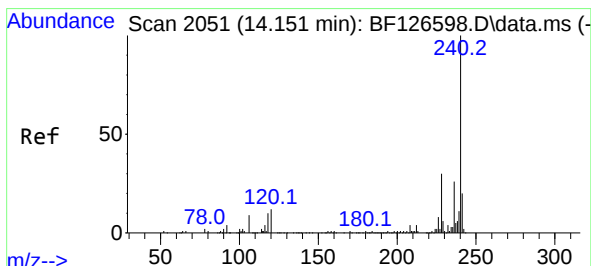
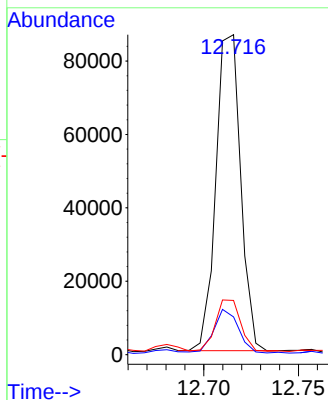
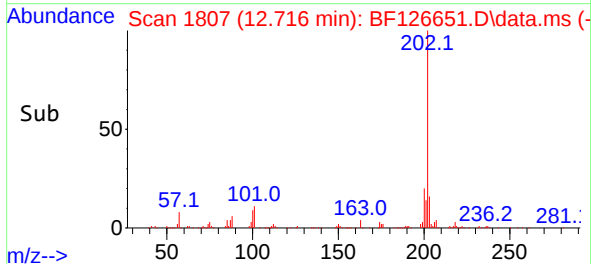
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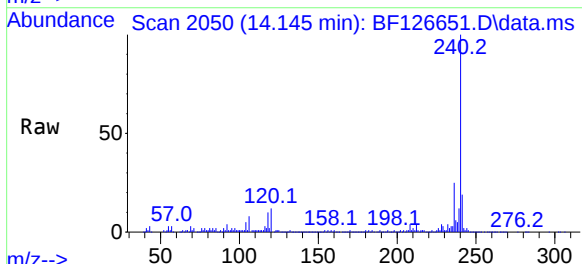
Tgt Ion:202 Resp: 7840
Ion Ratio Lower Upper
202 100
101 11.8 0.0 35.7
203 17.0 0.0 37.1

Manual Integrations
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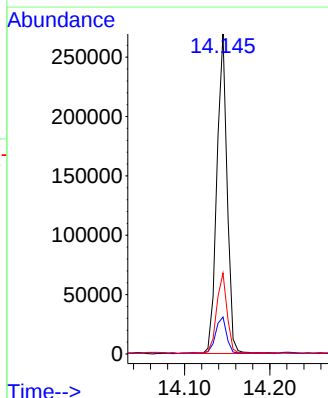
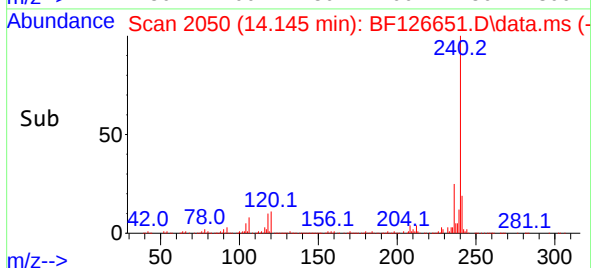
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

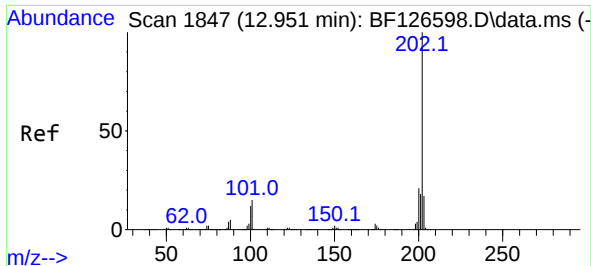


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44



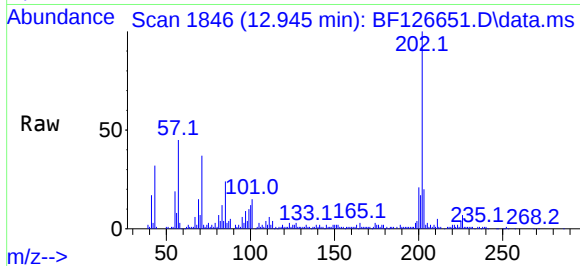
Tgt Ion:240 Resp: 225589
Ion Ratio Lower Upper
240 100
120 11.6 14.4 21.6#
236 25.3 20.5 30.7





#78
Pyrene
Concen: 4.500 ng
RT: 12.945 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

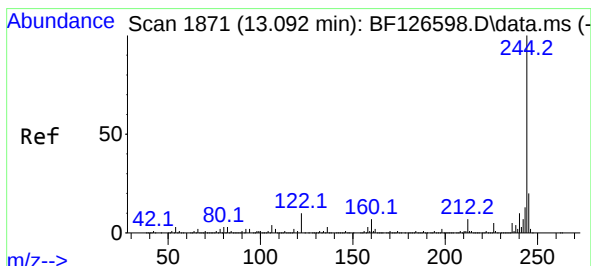
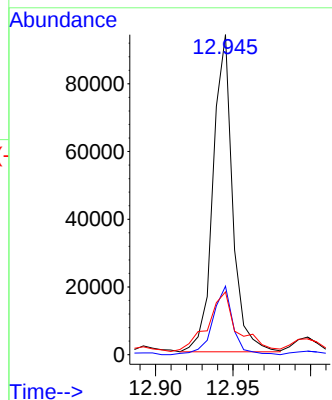
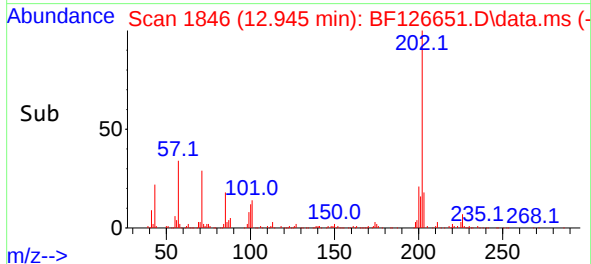
Instrument :
BNA_F
ClientSampleId :
PSC-124055



Tgt Ion:202 Resp: 82085
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 19.6 13.8 20.8

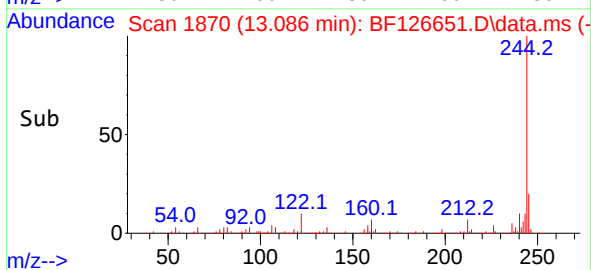
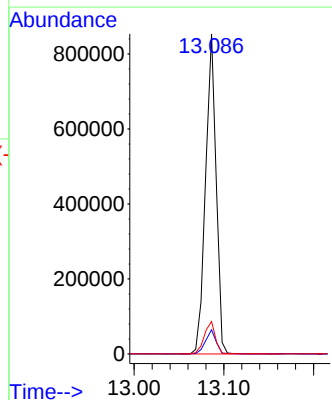
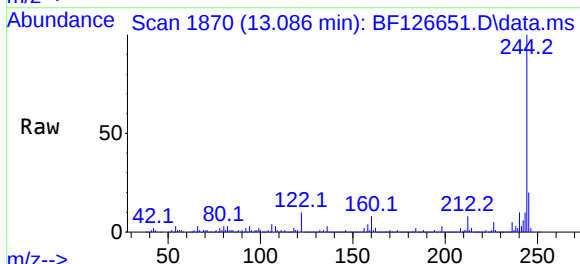
Manual Integrations
APPROVED

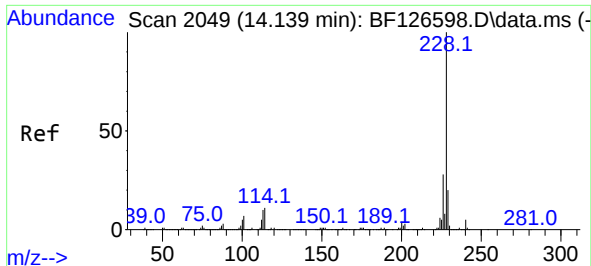
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#79
Terphenyl-d14
Concen: 52.015 ng
RT: 13.086 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Tgt Ion:244 Resp: 699588
Ion Ratio Lower Upper
244 100
212 7.5 5.0 7.4#
122 10.2 13.3 19.9#





#81
Benzo(a)anthracene
Concen: 2.207 ng
RT: 14.133 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Instrument :

BNA_F

ClientSampleId :

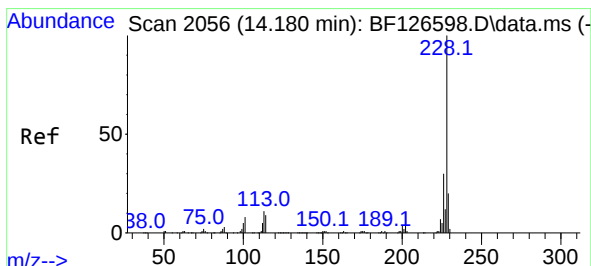
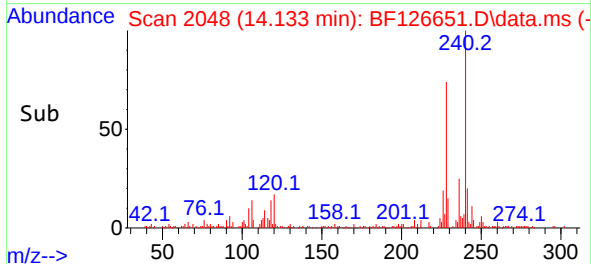
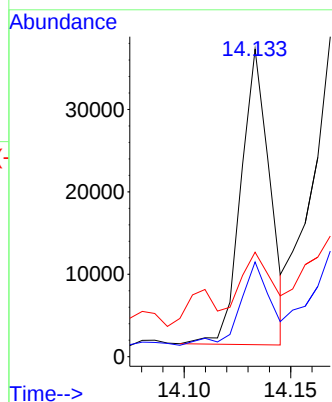
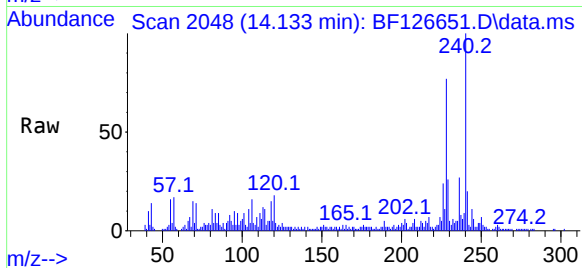
PSC-124055

Tgt Ion:228 Resp: 3384
Ion Ratio Lower Upper
228 100
226 30.8 21.4 32.0
229 34.0 15.4 23.2

Manual Integrations

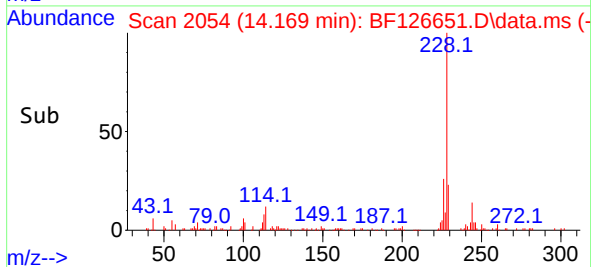
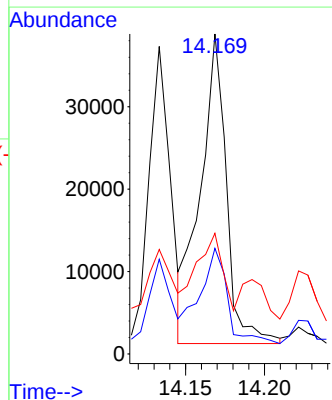
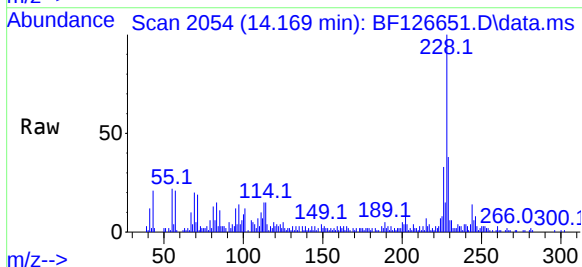
APPROVED

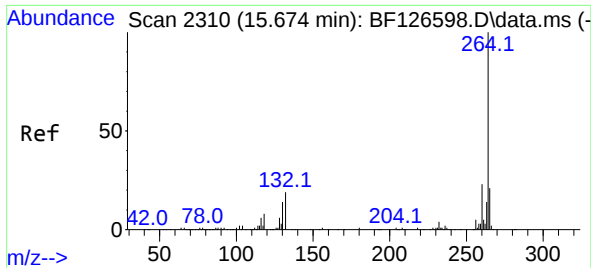
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#83
Chrysene
Concen: 2.954 ng m
RT: 14.169 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Tgt Ion:228 Resp: 43586
Ion Ratio Lower Upper
228 100
226 33.0 23.7 35.5
229 37.7 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Instrument :

BNA_F

ClientSampleId :

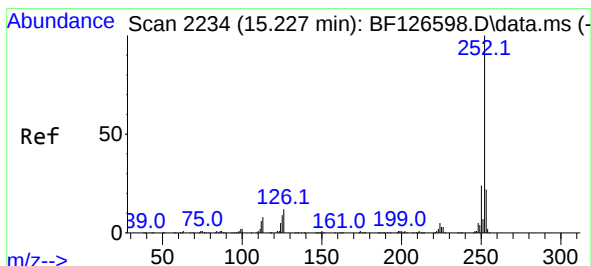
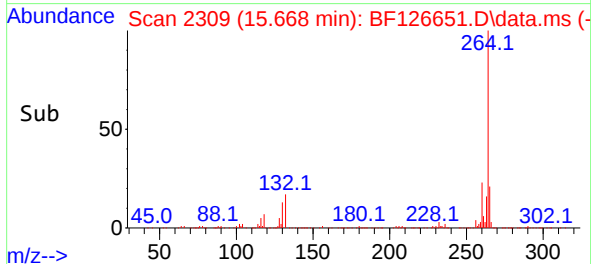
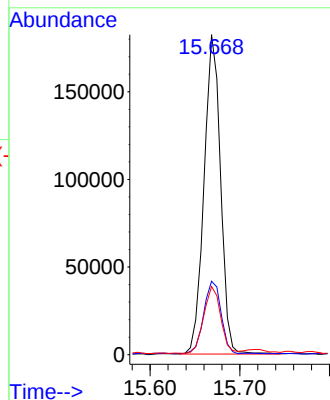
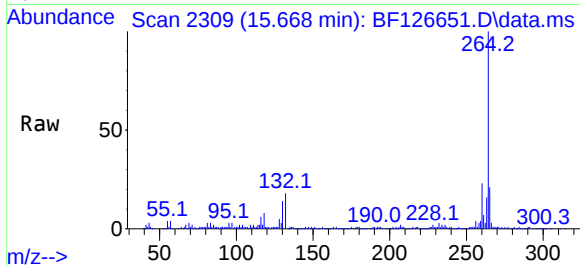
PSC-124055

Tgt Ion:264 Resp: 23309
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.3 17.4 26.2

Manual Integrations

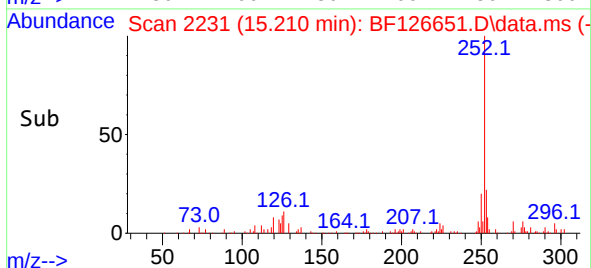
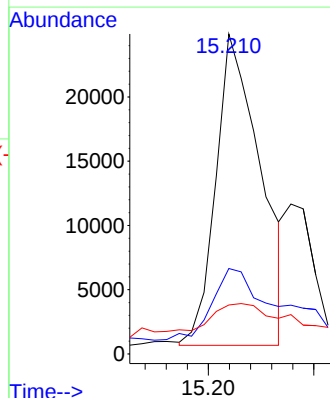
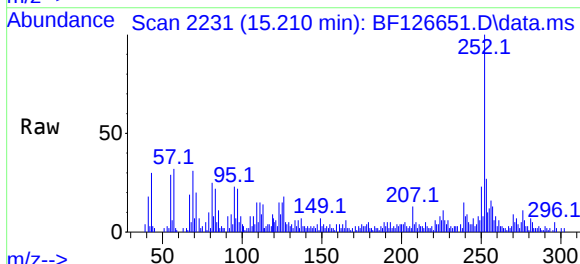
APPROVED

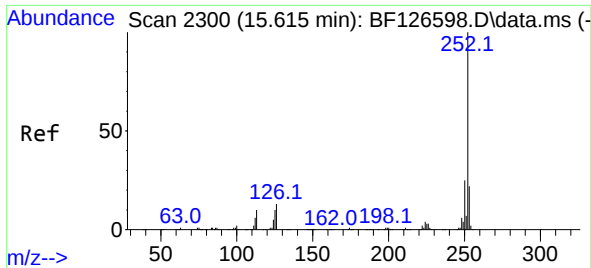
Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022



#88
Benzo(b)fluoranthene
Concen: 2.311 ng m
RT: 15.210 min Scan# 2231
Delta R.T. -0.018 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

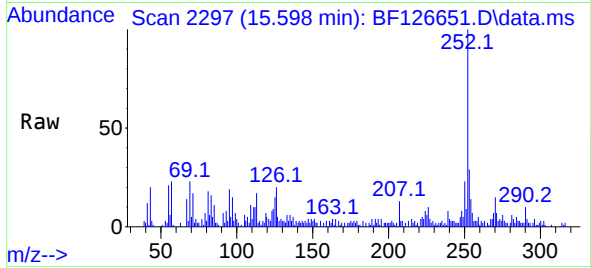
Tgt Ion:252 Resp: 35719
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.8
125 15.3 12.4 18.6





#90
Benzo(a)pyrene
Concen: 2.756 ng
RT: 15.598 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126651.D
Acq: 24 Jan 2022 20:44

Instrument :
BNA_F
ClientSampleId :
PSC-124055



Tgt Ion:252 Resp: 34650
Ion Ratio Lower Upper
252 100
253 29.1 17.1 25.7
125 15.1 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/25/2022
Supervised By :Jagrut Upadhyay 01/25/2022

