

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051122\
 Data File : BF128211.D
 Acq On : 11 May 2022 23:10
 Operator : CG\JU
 Sample : N2759-01DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-050922DL

Quant Time: May 12 06:01:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/12/2022
 Supervised By :Jagrut Upadhyay 05/12/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	76312	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	269527	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	131447	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	200804	20.000	ng	0.00
76) Chrysene-d12	14.074	240	164694	20.000	ng	0.00
86) Perylene-d12	15.574	264	129177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	209624	43.790	ng	0.00
7) Phenol-d6	6.516	99	267259	42.210	ng	-0.01
23) Nitrobenzene-d5	7.451	82	186115	31.071	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	55141	36.577	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	296096	35.246	ng	-0.01
79) Terphenyl-d14	13.010	244	262106	29.863	ng	0.00
Target Compounds						
49) Acenaphthylene	9.792	152	23528	2.193	ng	97
71) Phenanthrene	11.451	178	160106	16.013	ng	99
72) Anthracene	11.498	178	56184	5.628	ng	99
75) Fluoranthene	12.645	202	463913	42.795	ng	96
78) Pyrene	12.874	202	442990	37.096	ng	99
81) Benzo(a)anthracene	14.062	228	262476	24.951	ng	97
83) Chrysene	14.098	228	234182	23.331	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	99858	12.779	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	282977m	35.338	ng	
89) Benzo(k)fluoranthene	15.156	252	85883m	10.865	ng	
90) Benzo(a)pyrene	15.509	252	186292	28.817	ng	96
91) Dibenzo(a,h)anthracene	17.103	278	27623	4.366	ng	# 84
92) Benzo(g,h,i)perylene	17.562	276	96629	15.085	ng	96

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

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Misc :
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ClientSampleId :
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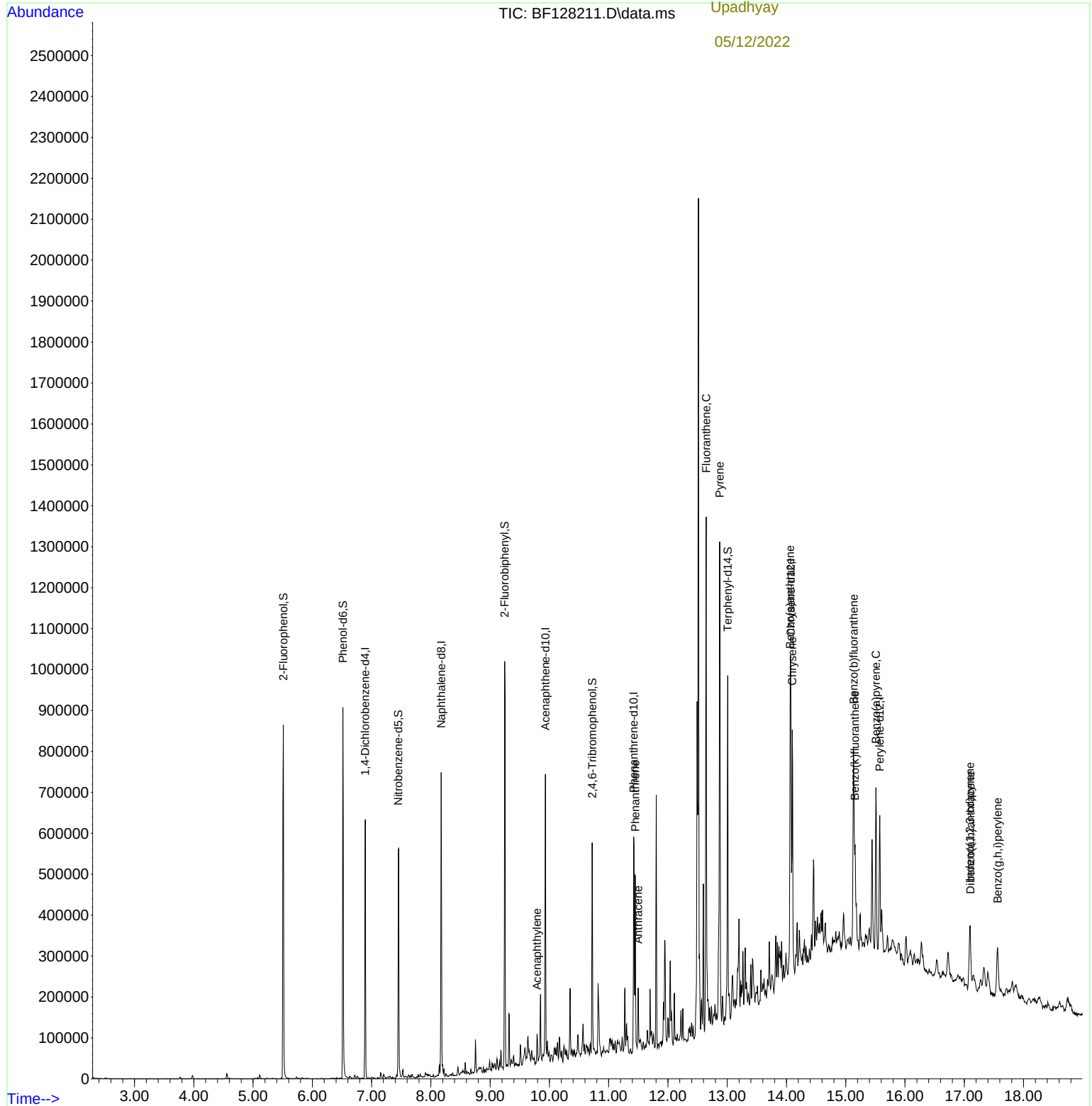
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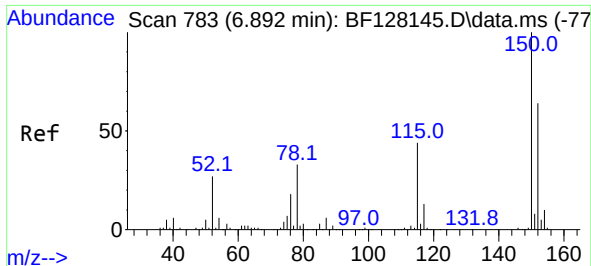
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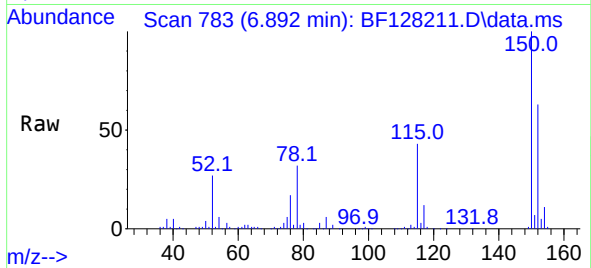
Quant Time: May 12 06:01:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 15:30:11 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



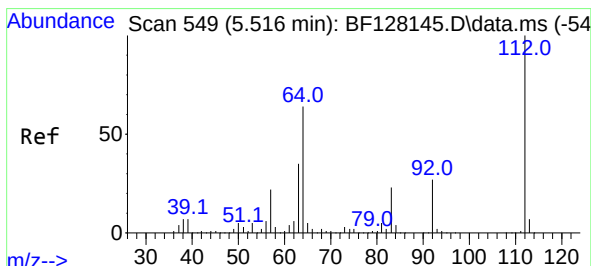
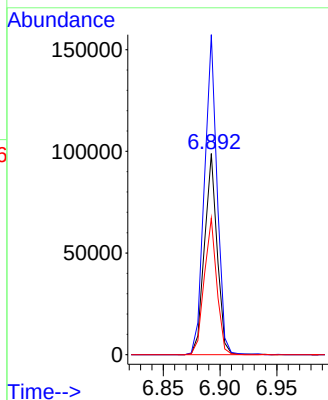
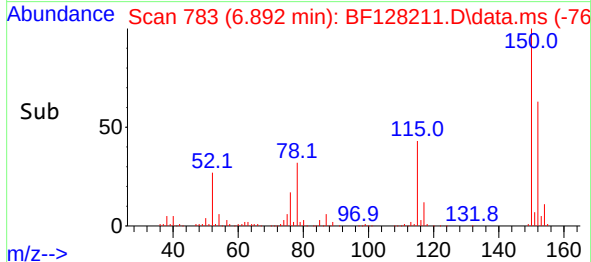
Tgt Ion:152 Resp: 76312
Ion Ratio Lower Upper
152 100
150 159.1 125.3 187.9
115 67.9 48.8 73.2

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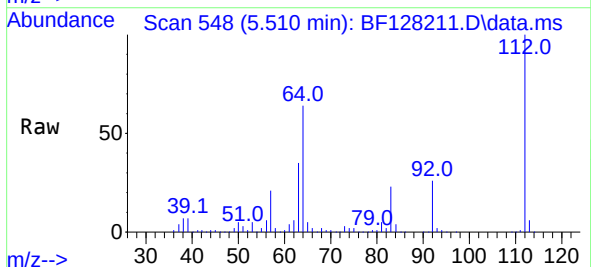
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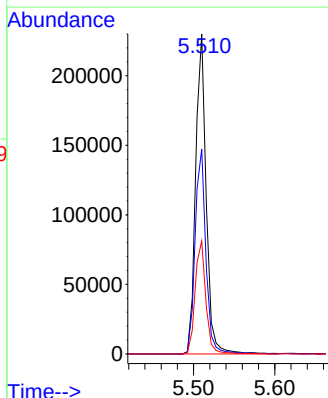
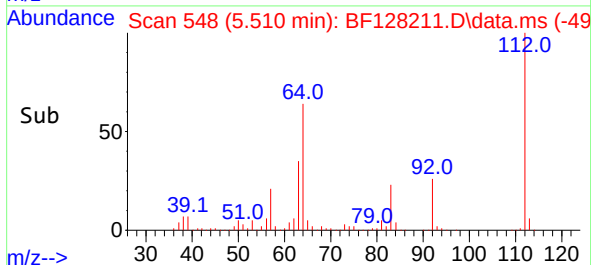
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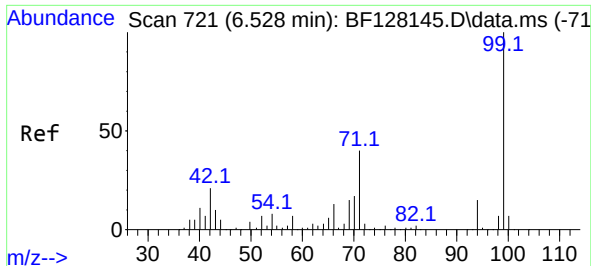


#5
2-Fluorophenol
Concen: 43.790 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



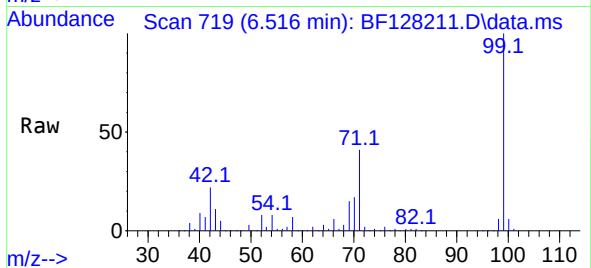
Tgt Ion:112 Resp: 209624
Ion Ratio Lower Upper
112 100
64 64.1 49.5 74.3
63 35.3 26.3 39.5





#7
Phenol-d6
Concen: 42.210 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

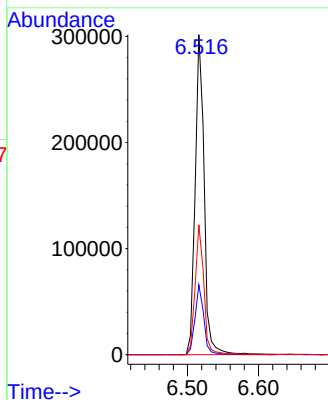
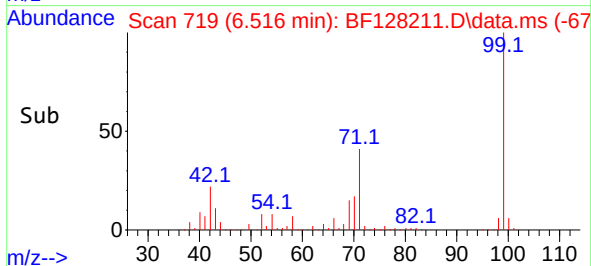
Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



Tgt Ion: 99 Resp: 26725
Ion Ratio Lower Upper
99 100
42 21.9 16.6 24.8
71 40.6 30.0 45.0

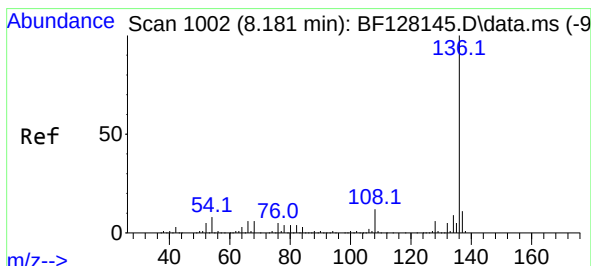
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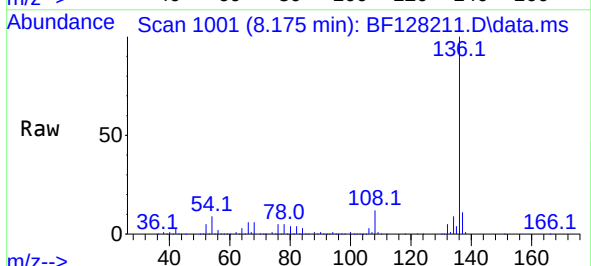


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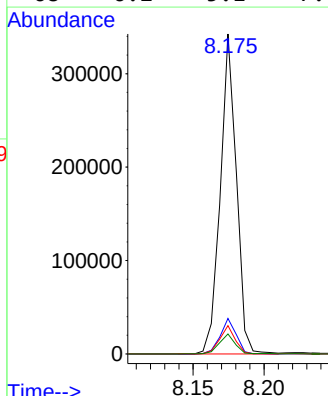
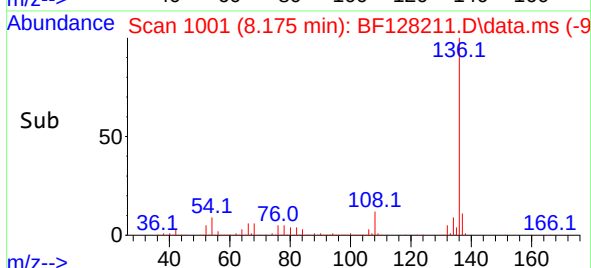
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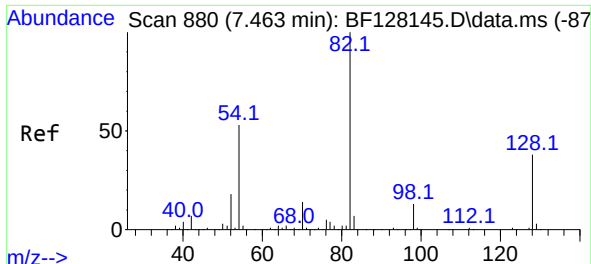


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



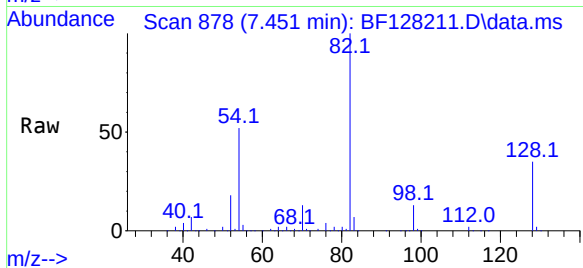
Tgt Ion:136 Resp: 269527
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.9 6.8 10.2
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 31.071 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



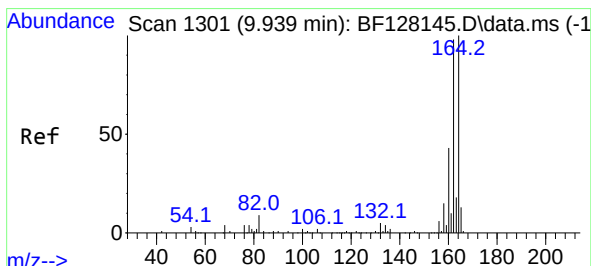
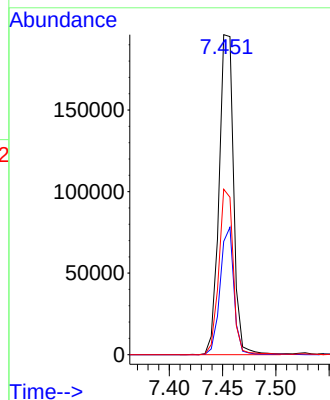
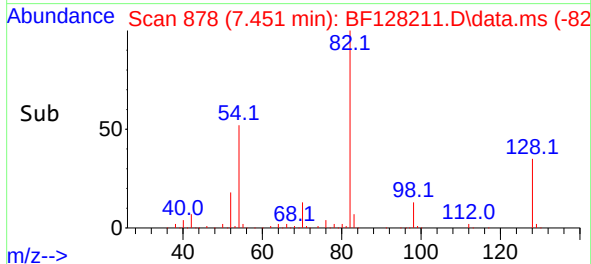
Tgt Ion: 82 Resp: 186115
Ion Ratio Lower Upper
82 100
128 35.4 30.0 45.0
54 51.7 41.3 61.9

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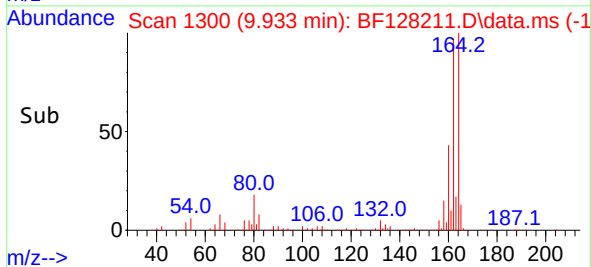
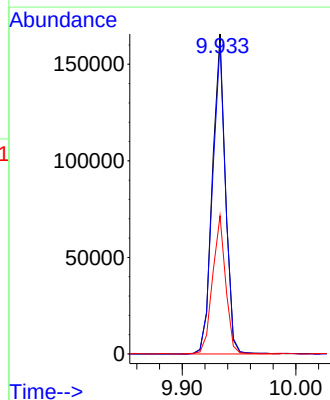
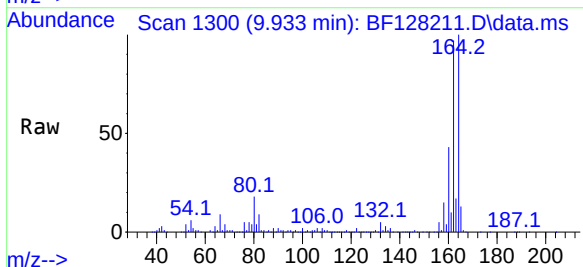
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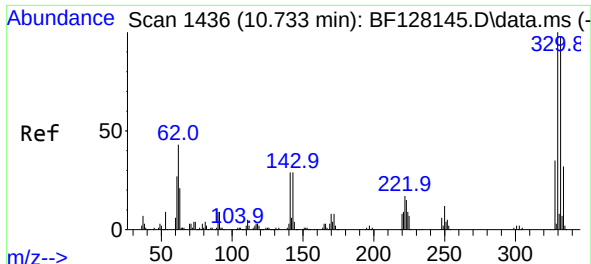
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

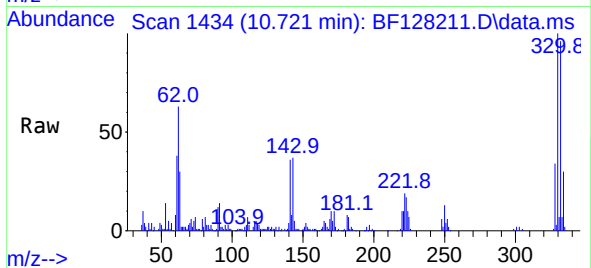
Tgt Ion:164 Resp: 131447
Ion Ratio Lower Upper
164 100
162 97.3 76.0 114.0
160 43.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 36.577 ng
RT: 10.721 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



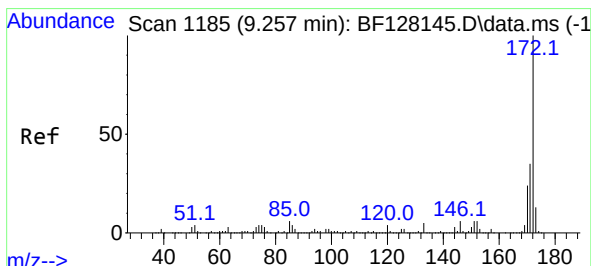
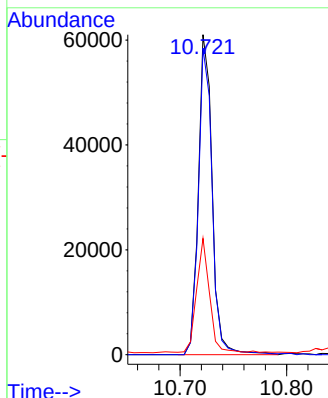
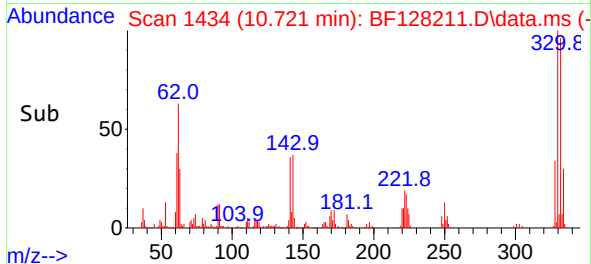
Tgt Ion: 330 Resp: 5514
Ion Ratio Lower Upper
330 100
332 96.5 79.0 118.4
141 32.7 28.9 43.3

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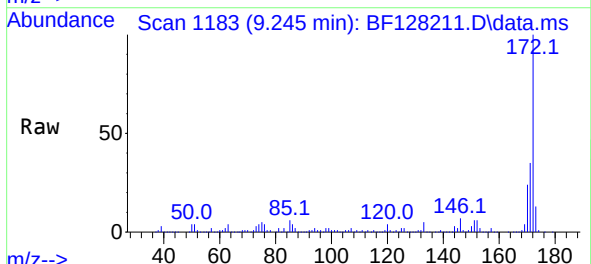
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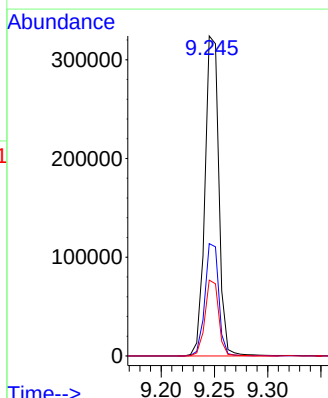
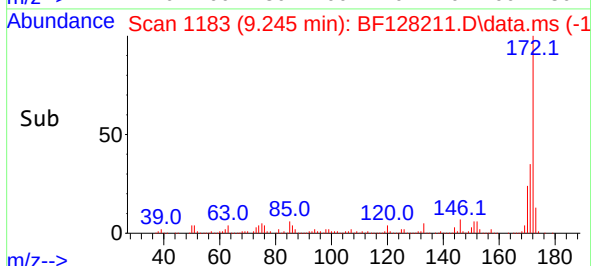
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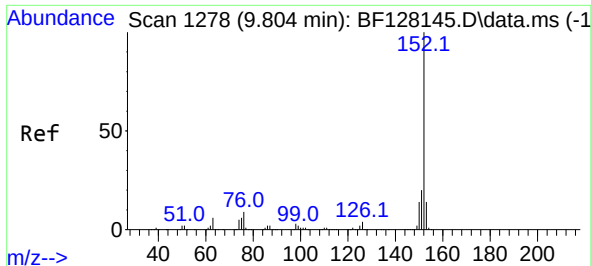


#45
2-Fluorobiphenyl
Concen: 35.246 ng
RT: 9.245 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



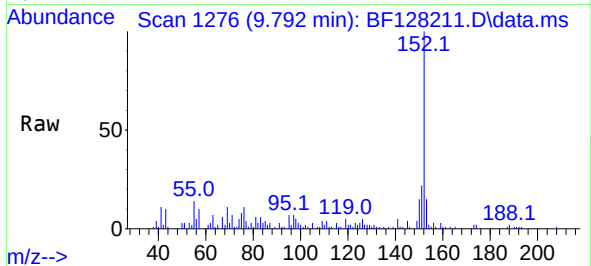
Tgt Ion: 172 Resp: 296096
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.7 19.1 28.7





#49
Acenaphthylene
Concen: 2.193 ng
RT: 9.792 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

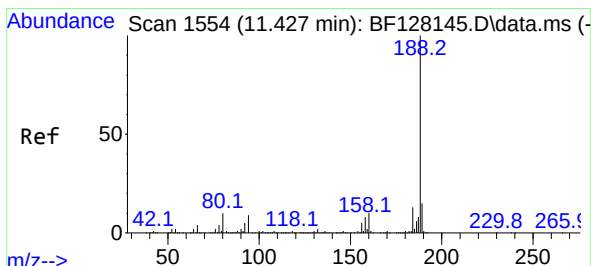
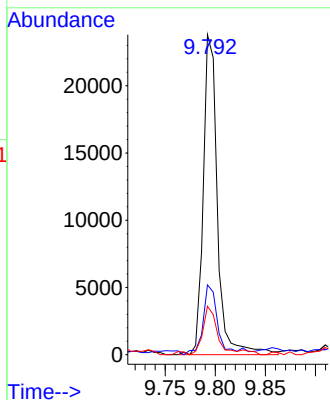
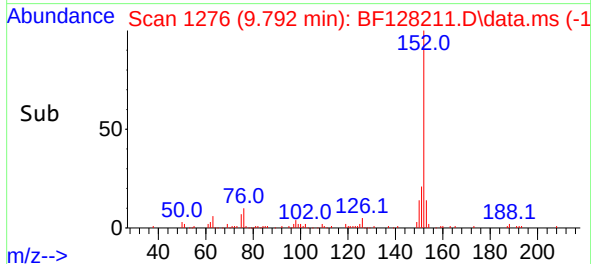
Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



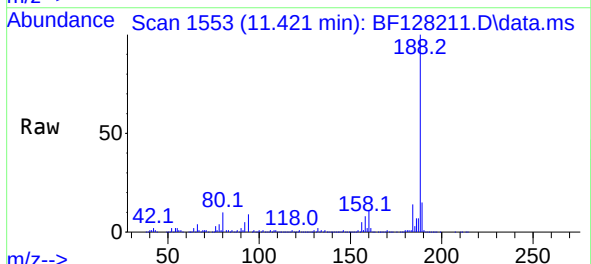
Tgt Ion:152 Resp: 23528
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.2
153 15.2 11.2 16.8

Manual Integrations
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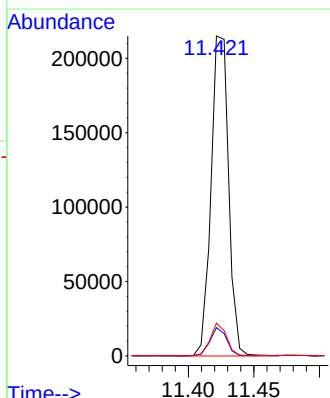
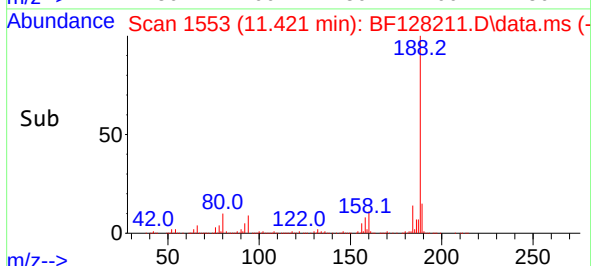
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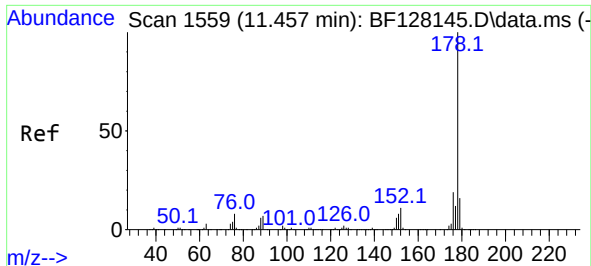


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



Tgt Ion:188 Resp: 200804
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 10.3 8.9 13.3





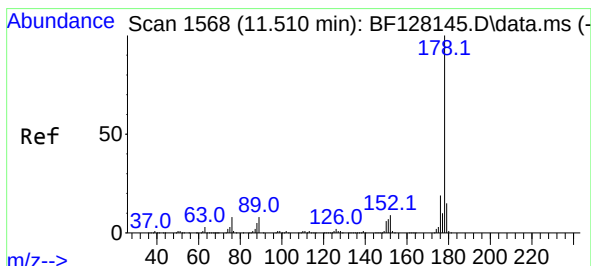
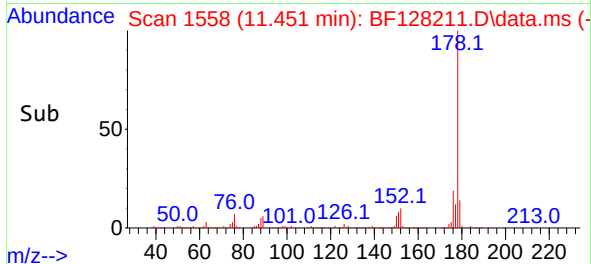
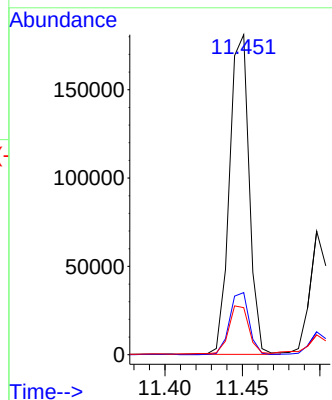
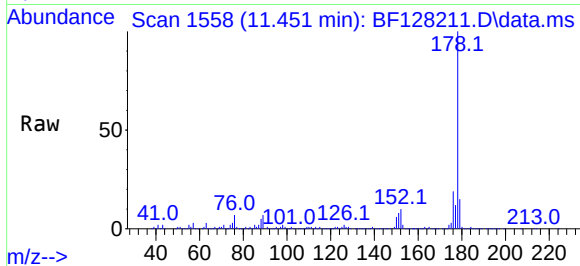
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Phenanthrene
Concen: 16.013 ng
RT: 11.451 min Scan# 11451
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :
BNA_F
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Tgt Ion:178 Resp: 160100
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.7 12.6 19.0

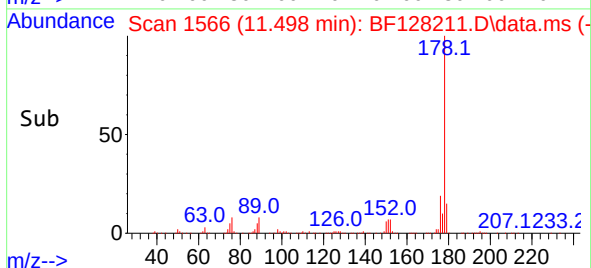
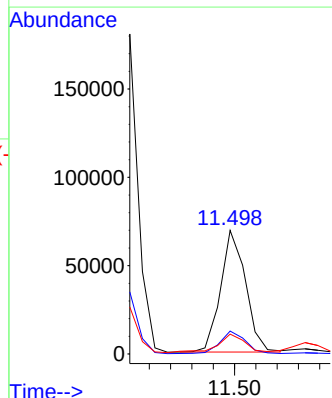
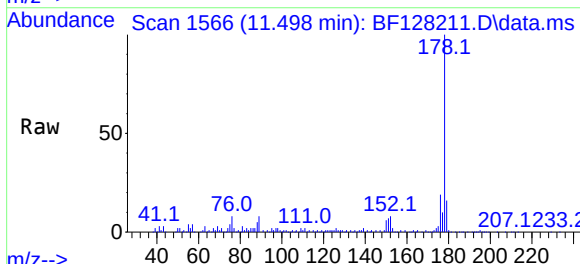
Manual Integrations
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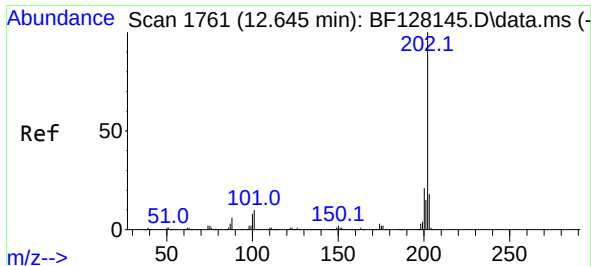
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#72
Anthracene
Concen: 5.628 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Tgt Ion:178 Resp: 56184
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.1 12.4 18.6





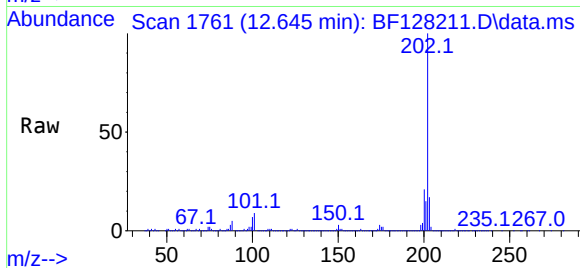
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Fluoranthene
Concen: 42.795 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :

BNA_F

ClientSampleId :

PL-02-050922DL

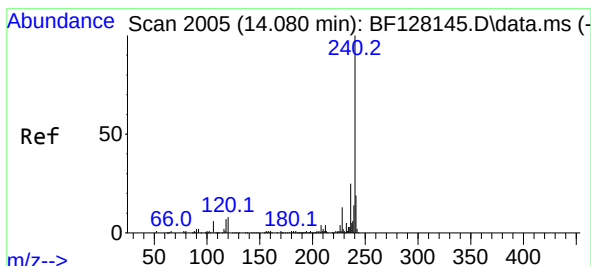
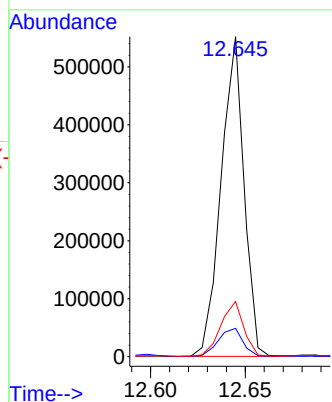
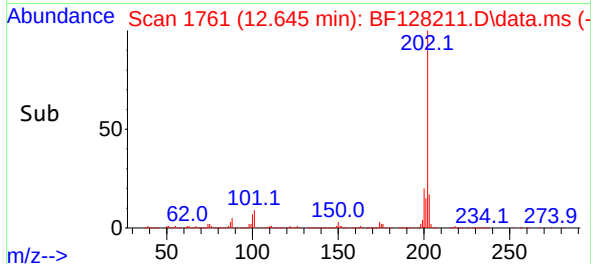


Tgt Ion:202 Resp: 46391
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.6
203 17.3 0.0 38.1

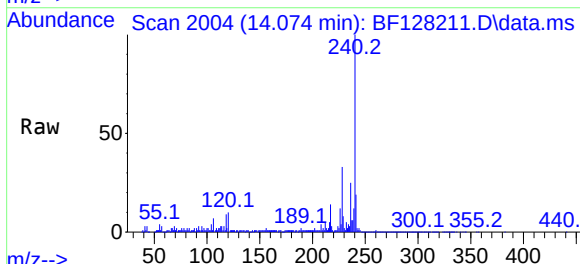
Manual Integrations

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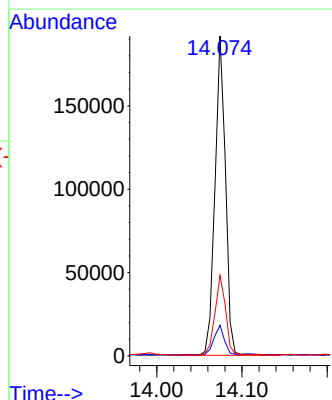
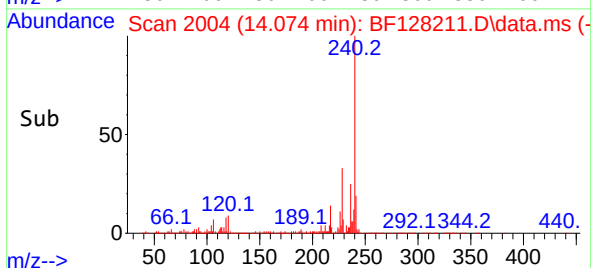
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

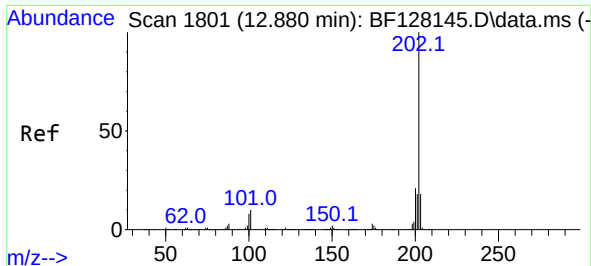


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



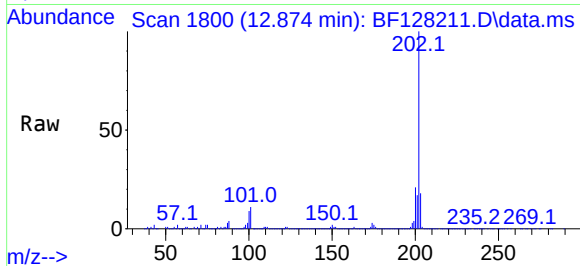
Tgt Ion:240 Resp: 164694
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 25.1 20.3 30.5





#78
Pyrene
Concen: 37.096 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

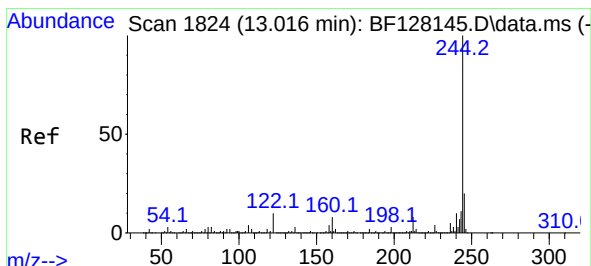
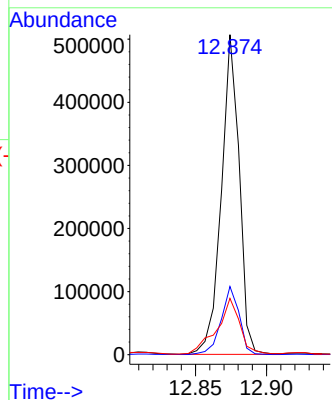
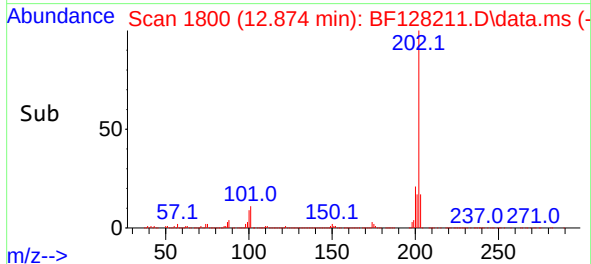
Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



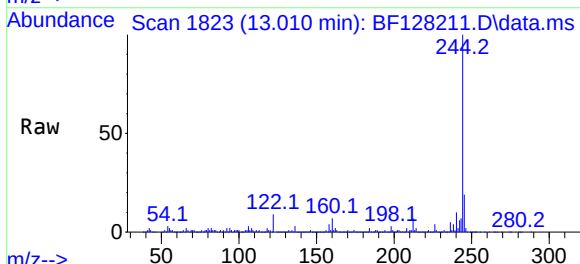
Tgt Ion:202 Resp: 442990
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.6 14.0 21.0

Manual Integrations
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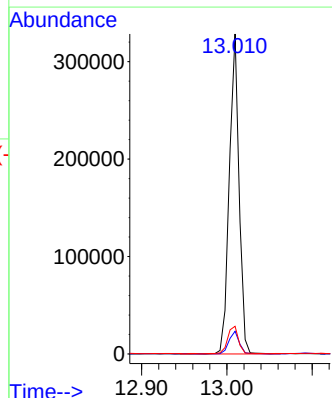
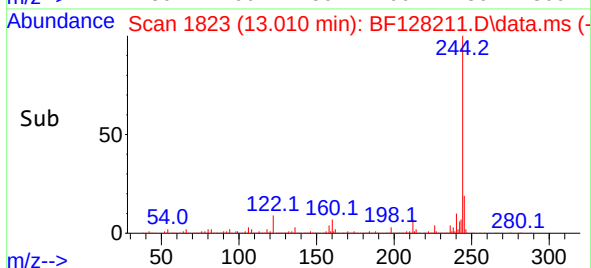
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

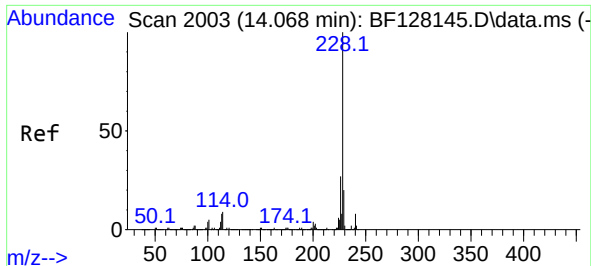


#79
Terphenyl-d14
Concen: 29.863 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



Tgt Ion:244 Resp: 262106
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.4
122 8.6 8.6 12.8





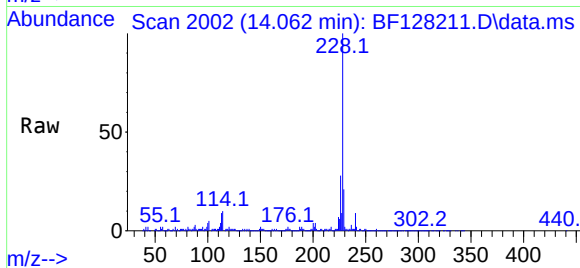
#81
Benzo(a)anthracene
Concen: 24.951 ng
RT: 14.062 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :

BNA_F

ClientSampleId :

PL-02-050922DL

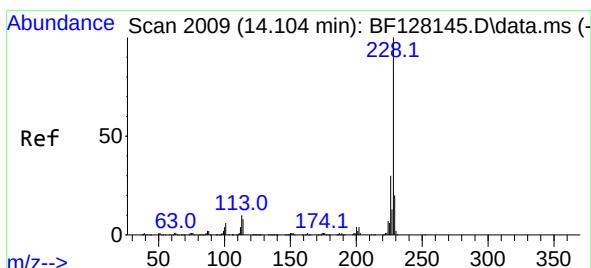
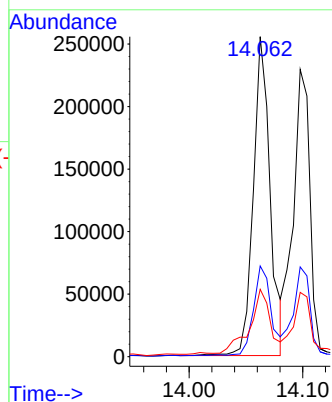
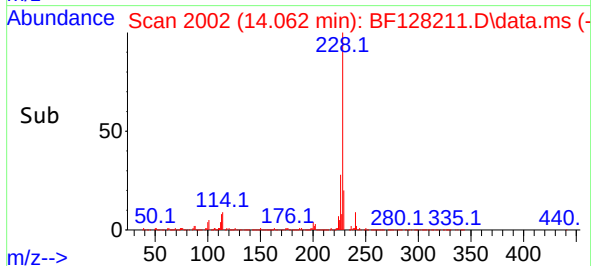


Tgt Ion:228 Resp: 262470
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 21.1 15.4 23.2

Manual Integrations

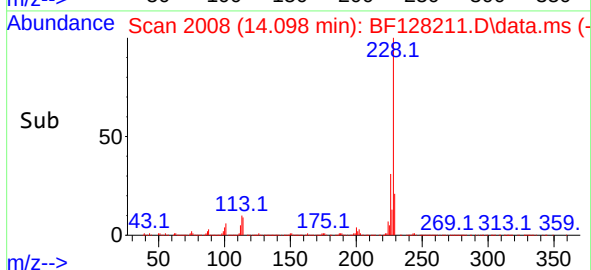
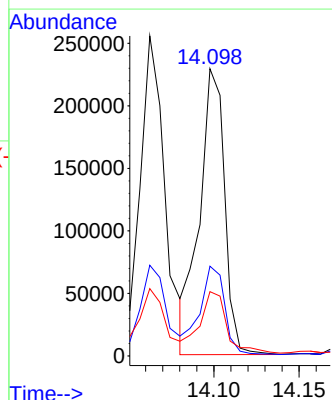
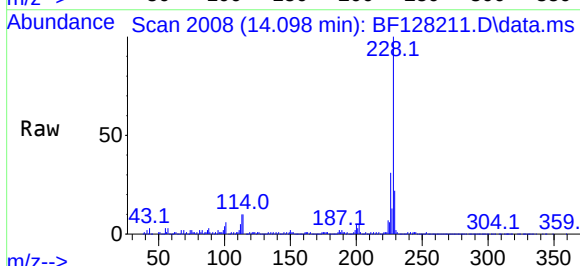
APPROVED

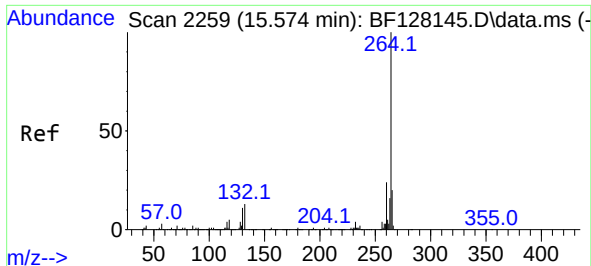
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022



#83
Chrysene
Concen: 23.331 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

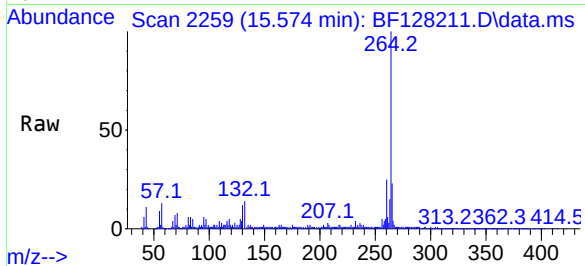
Tgt Ion:228 Resp: 234182
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 22.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

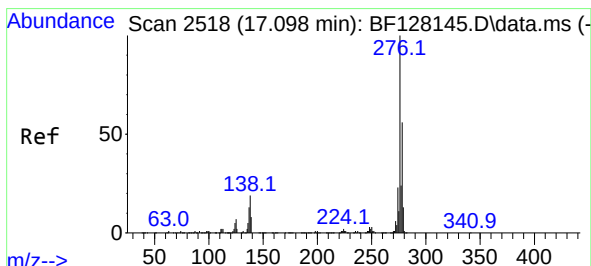
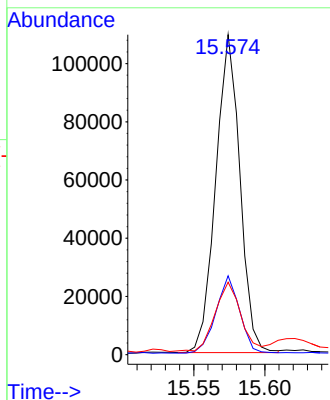
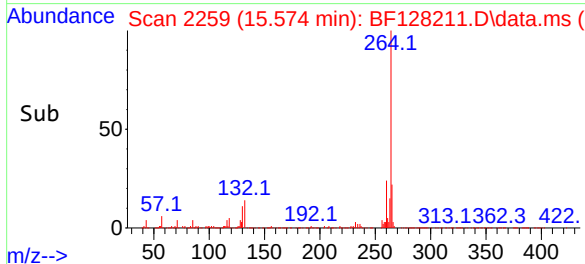
Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



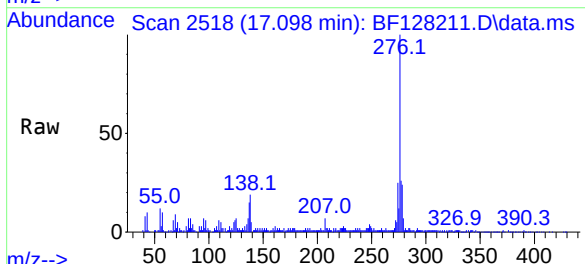
Tgt Ion:264 Resp: 12917
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 22.7 17.5 26.3

Manual Integrations
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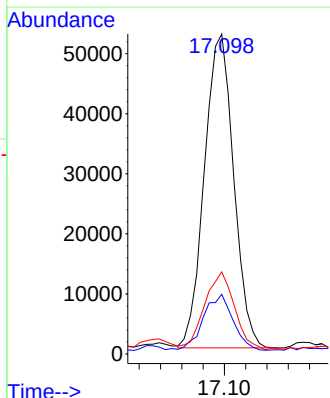
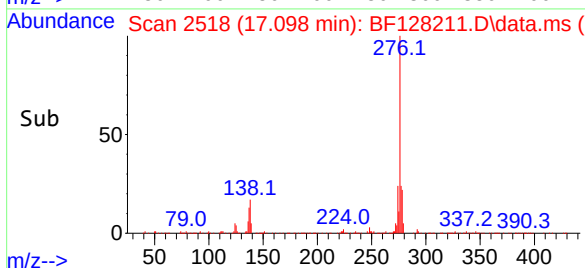
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022

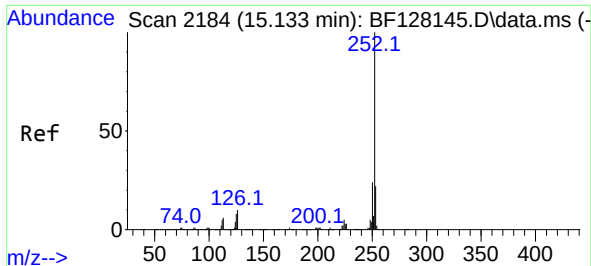


#87
Indeno(1,2,3-cd)pyrene
Concen: 12.779 ng
RT: 17.098 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10



Tgt Ion:276 Resp: 99858
Ion Ratio Lower Upper
276 100
138 17.9 19.0 28.4#
277 24.6 20.1 30.1





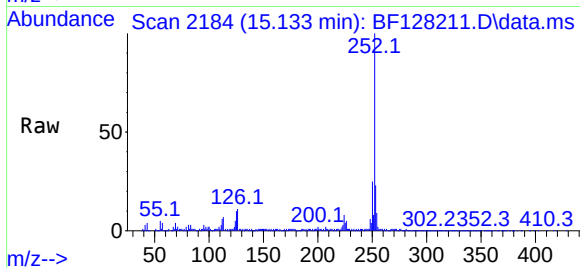
#88
Benzo(b)fluoranthene
Concen: 35.338 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :

BNA_F

ClientSampleId :

PL-02-050922DL

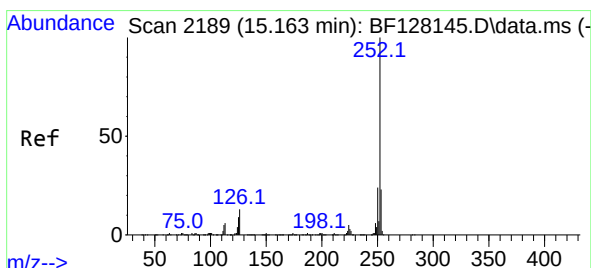
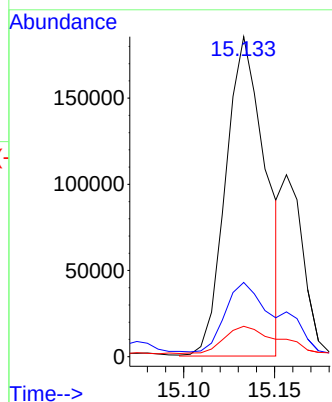
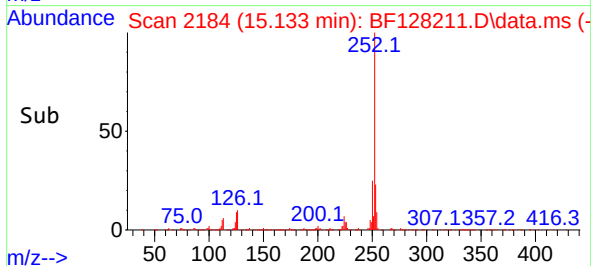


Tgt Ion:252 Resp: 28297
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.5 7.4 11.2

Manual Integrations

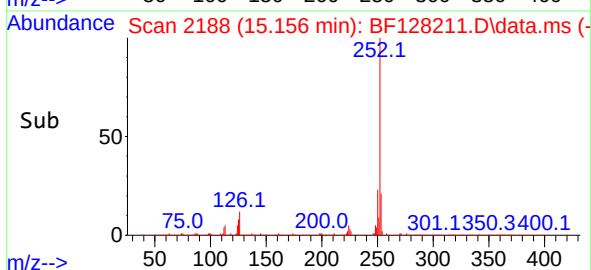
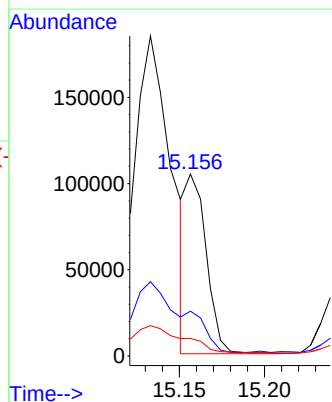
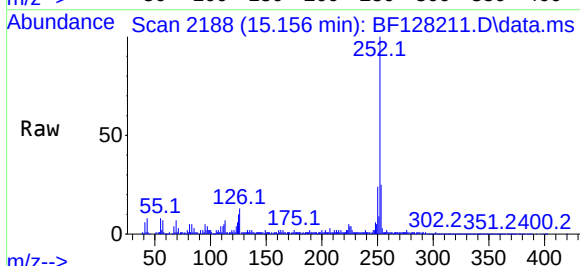
APPROVED

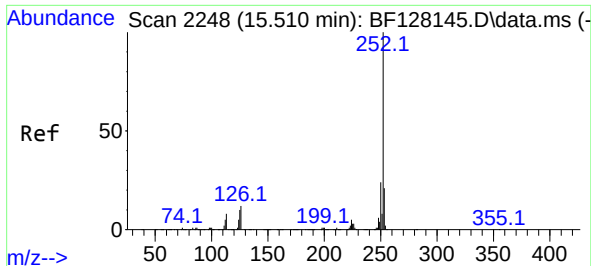
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022



#89
Benzo(k)fluoranthene
Concen: 10.865 ng m
RT: 15.156 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Tgt Ion:252 Resp: 85883
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.4
125 9.6 6.8 10.2





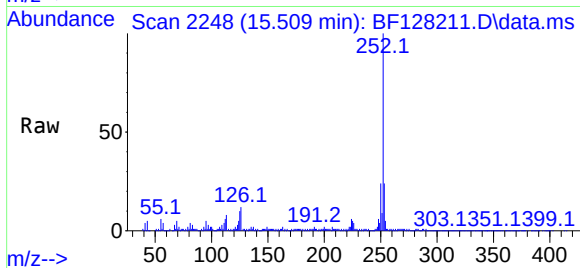
#90
Benzo(a)pyrene
Concen: 28.817 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :

BNA_F

ClientSampleId :

PL-02-050922DL

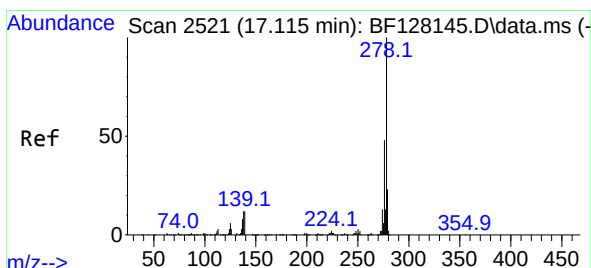
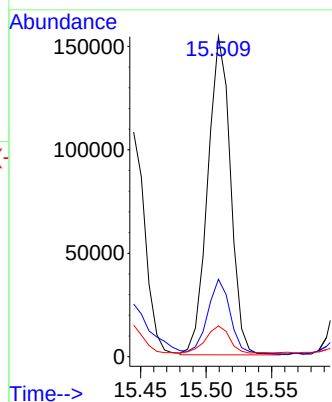
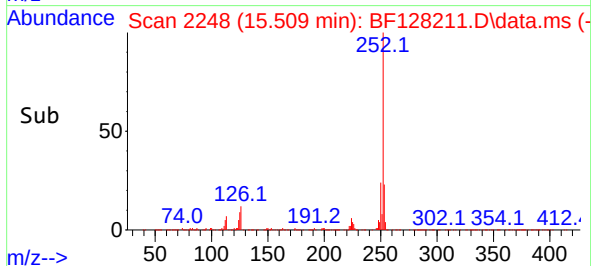


Tgt Ion:252 Resp: 186292
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 9.6 9.2 13.8

Manual Integrations

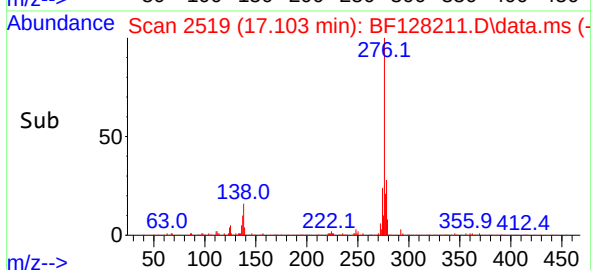
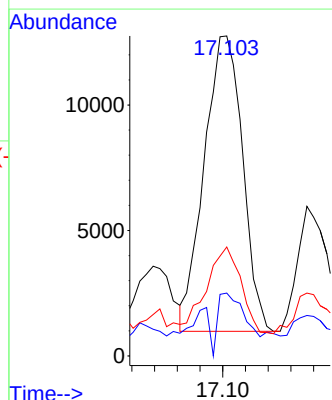
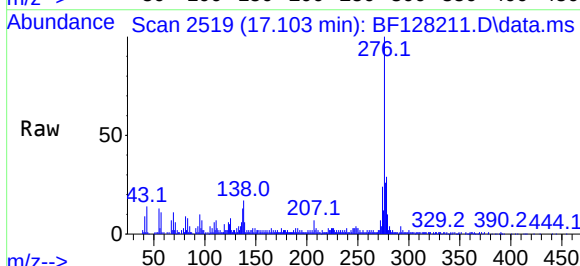
APPROVED

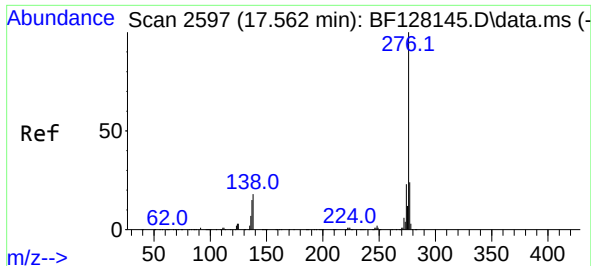
Reviewed By :Christian Giraldo 05/12/2022
Supervised By :Jagrut Upadhyay 05/12/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.366 ng
RT: 17.103 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

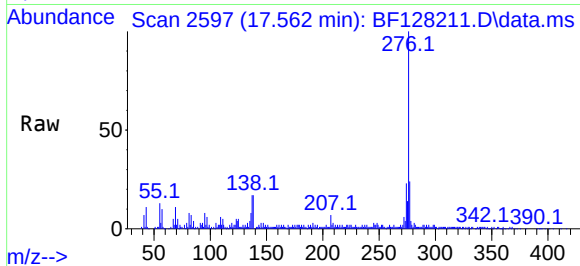
Tgt Ion:278 Resp: 27623
Ion Ratio Lower Upper
278 100
139 19.7 12.6 19.0#
279 34.0 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 15.085 ng
RT: 17.562 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128211.D
Acq: 11 May 2022 23:10

Instrument :
BNA_F
ClientSampleId :
PL-02-050922DL



Tgt Ion: 276 Resp: 96629

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	16.8	16.2	24.2

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/12/2022
Supervised By : Jagrut Upadhyay 05/12/2022

