

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
 Data File : BF128220.D
 Acq On : 12 May 2022 15:40
 Operator : CG\JU
 Sample : N2769-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/13/2022
 Supervised By : Jagrut Upadhyay 05/13/2022

Quant Time: May 13 05:15:08 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	67095	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	240266	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	121174	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	183613	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	156624	20.000	ng	0.00
86) Perylene-d12	15.574	264	172458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	74286	17.650	ng	0.00
7) Phenol-d6	6.516	99	94180	16.918	ng	-0.01
23) Nitrobenzene-d5	7.451	82	64307	12.043	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	19030	13.693	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	111313	14.374	ng	0.00
79) Terphenyl-d14	13.010	244	93321	11.180	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.480	166	17668m	2.330	ng	
71) Phenanthrene	11.451	178	151682	16.590	ng	99
72) Anthracene	11.498	178	60690	6.649	ng	99
75) Fluoranthene	12.645	202	346247	34.931	ng	96
78) Pyrene	12.874	202	307483	27.075	ng	99
81) Benzo(a)anthracene	14.063	228	239565	23.947	ng	97
83) Chrysene	14.098	228	193573	20.279	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	147814	14.169	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	353163m	33.035	ng	
89) Benzo(k)fluoranthene	15.157	252	102566m	9.719	ng	
90) Benzo(a)pyrene	15.510	252	249606	28.921	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	40942m	4.848	ng	
92) Benzo(g,h,i)perylene	17.562	276	126332	14.773	ng	97

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

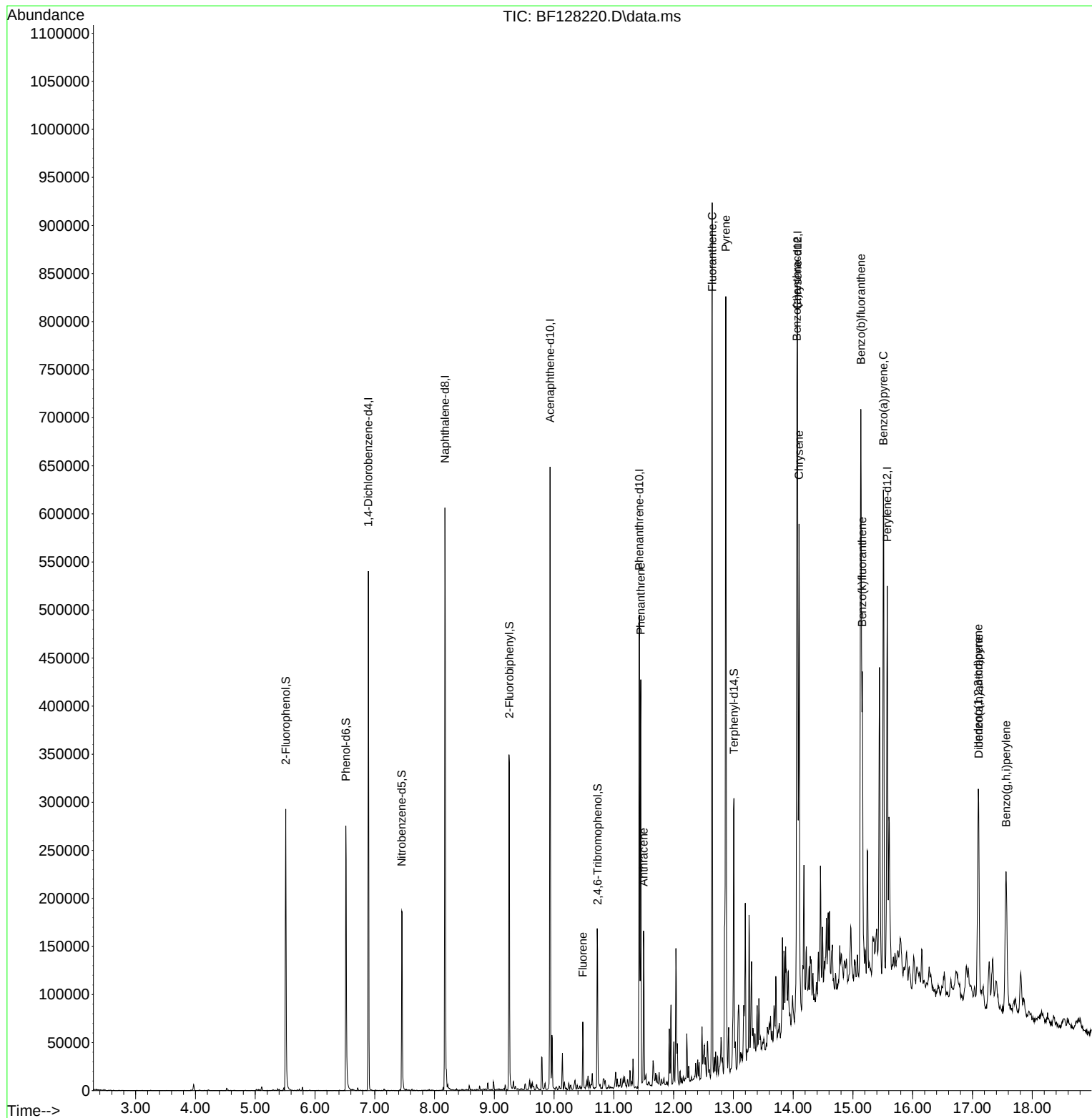
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
Data File : BF128220.D
Acq On : 12 May 2022 15:40
Operator : CG\JU
Sample : N2769-01DL 5X
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ALS Vial : 7 Sample Multiplier: 1

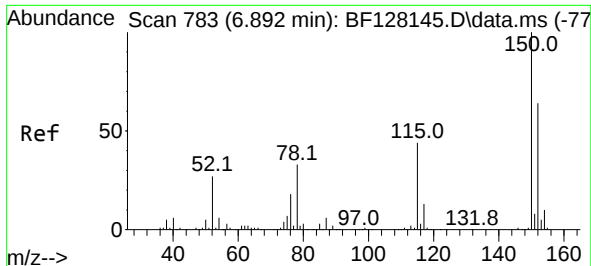
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

Quant Time: May 13 05:15:08 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

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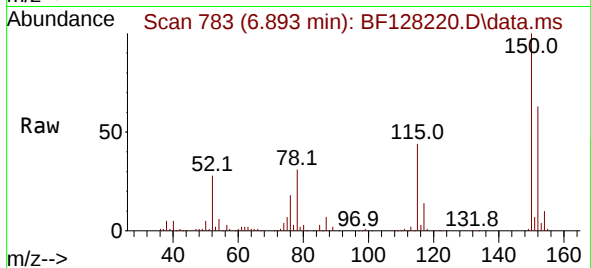
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

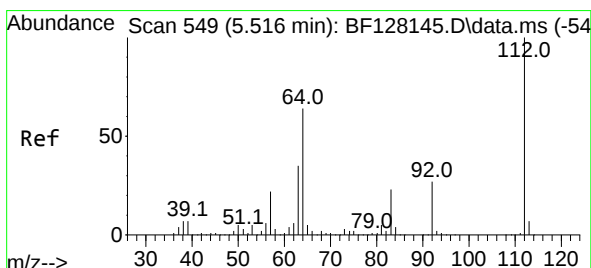
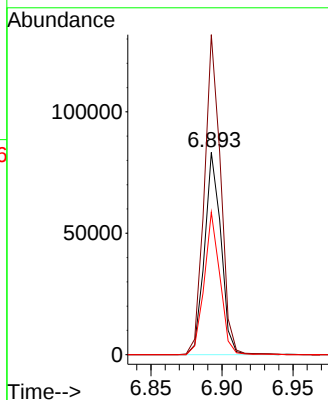
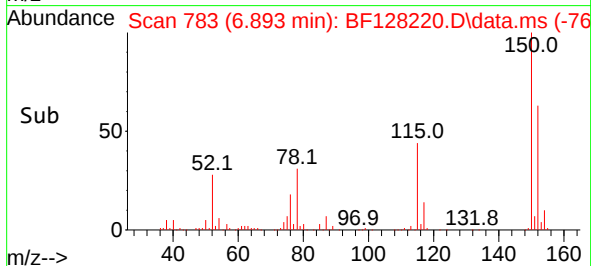
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BNA_F
ClientSampleId :
CL-02-051022DL



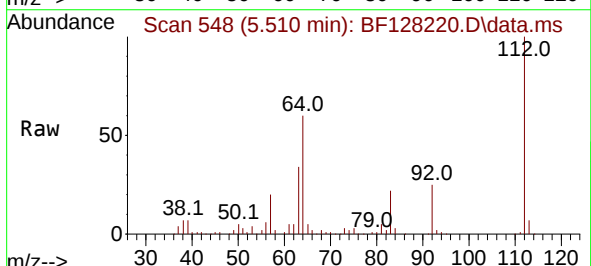
Tgt Ion:152 Resp: 67095
Ion Ratio Lower Upper
152 100
150 158.2 125.3 187.9
115 70.4 48.8 73.2

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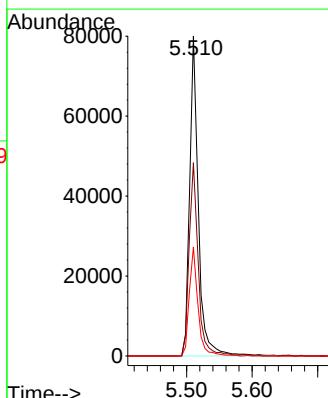
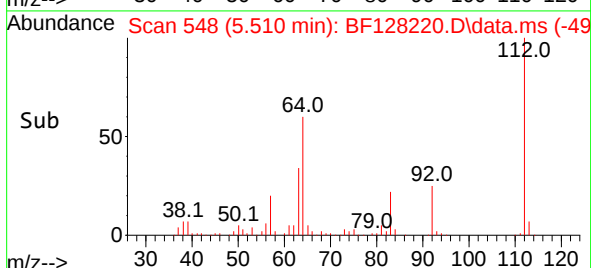
Reviewed By :Christian Giraldo 05/13/2022
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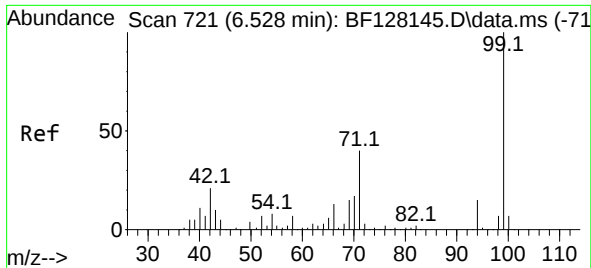


#5
2-Fluorophenol
Concen: 17.650 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40



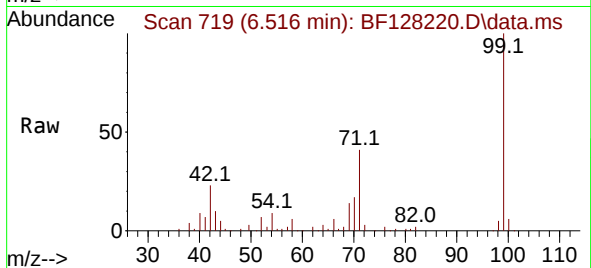
Tgt Ion:112 Resp: 74286
Ion Ratio Lower Upper
112 100
64 60.4 49.5 74.3
63 34.1 26.3 39.5





#7
Phenol-d6
Concen: 16.918 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

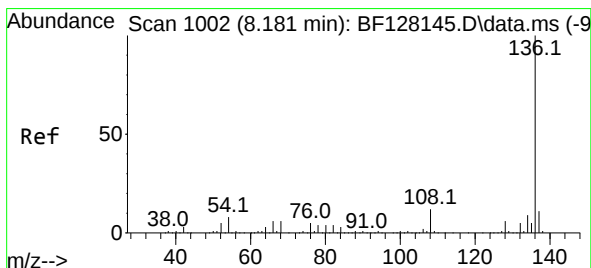
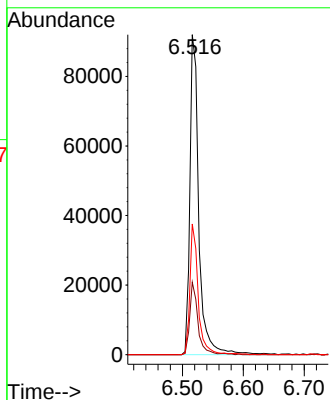
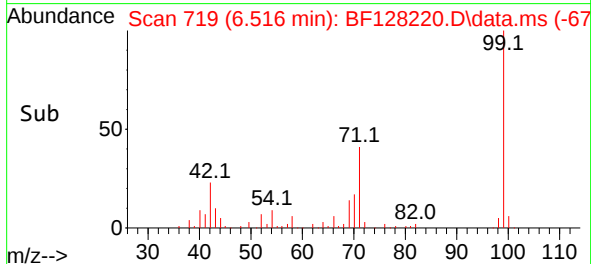
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL



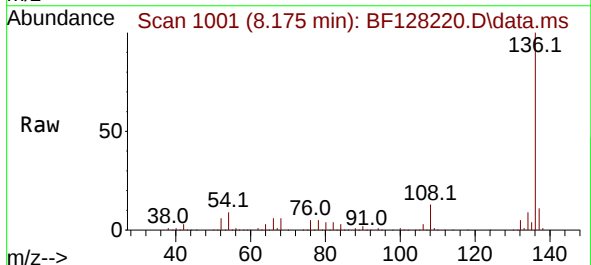
Tgt Ion: 99 Resp: 94180
Ion Ratio Lower Upper
99 100
42 22.6 16.6 24.8
71 40.8 30.0 45.0

Manual Integrations
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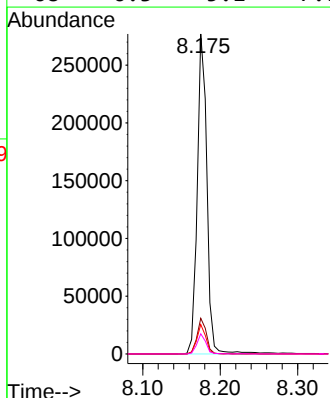
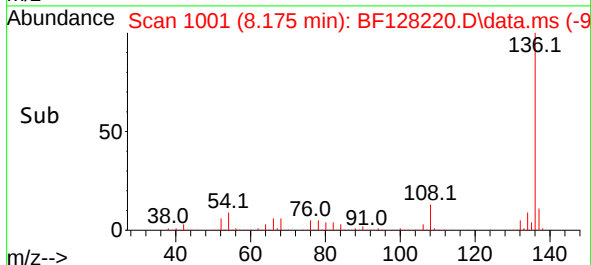
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

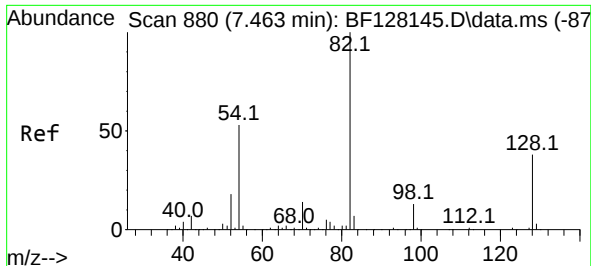


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40



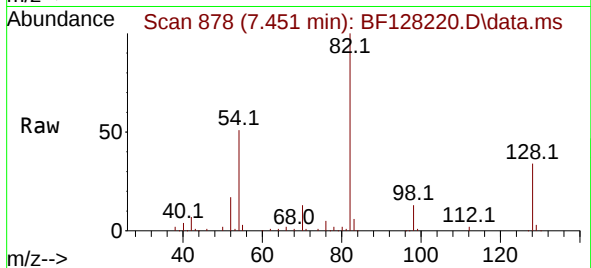
Tgt Ion:136 Resp: 240266
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 6.8 10.2
68 6.3 5.1 7.7





#23
Nitrobenzene-d5
Concen: 12.043 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

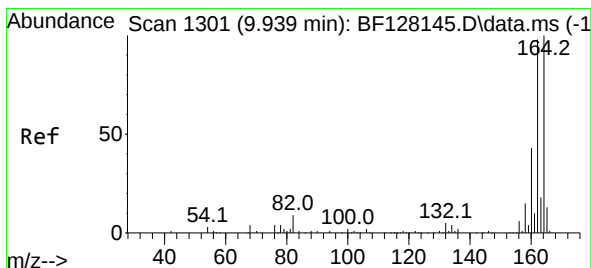
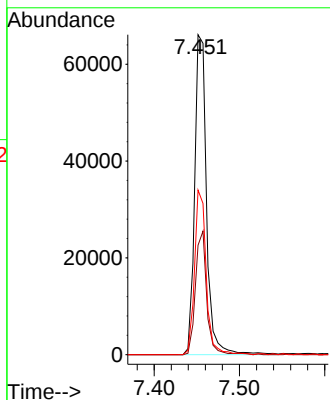
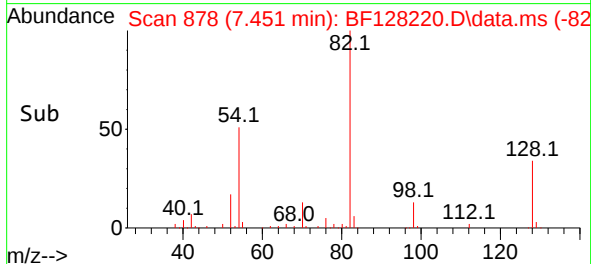
Instrument :
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ClientSampleId :
CL-02-051022DL



Tgt Ion: 82 Resp: 6430
Ion Ratio Lower Upper
82 100
128 34.2 30.0 45.0
54 51.4 41.3 61.9

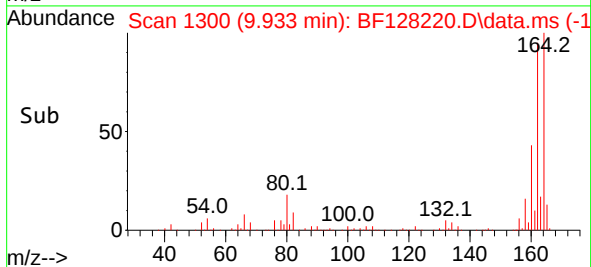
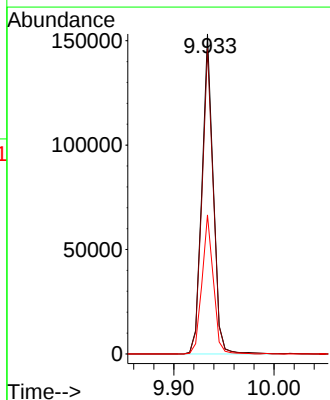
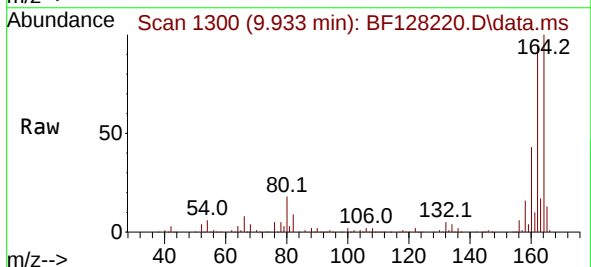
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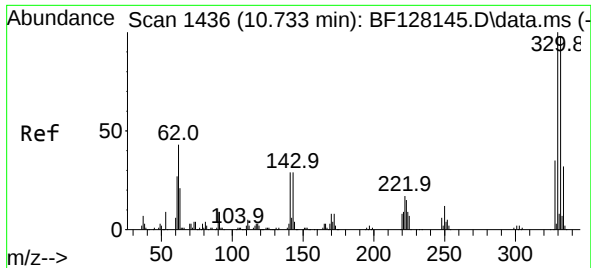
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:164 Resp: 121174
Ion Ratio Lower Upper
164 100
162 95.4 76.0 114.0
160 43.5 34.8 52.2





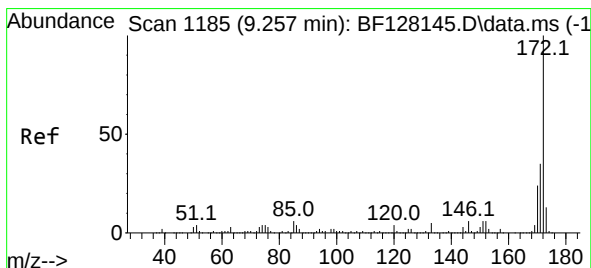
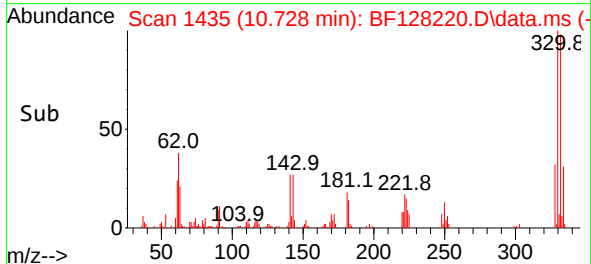
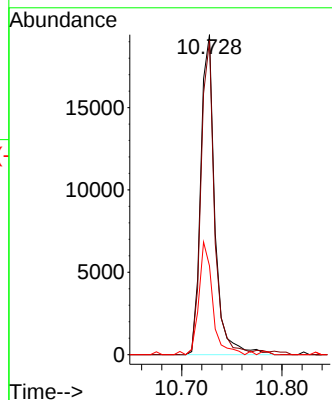
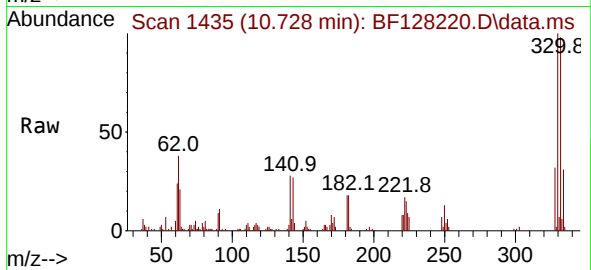
#42
2,4,6-Tribromophenol
Concen: 13.693 ng
RT: 10.728 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

Tgt Ion: 330 Resp: 19030
Ion Ratio Lower Upper
330 100
332 93.7 79.0 118.4
141 34.2 28.9 43.3

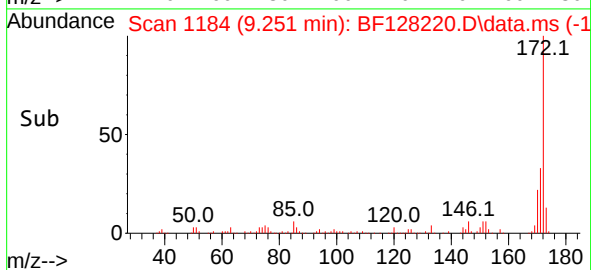
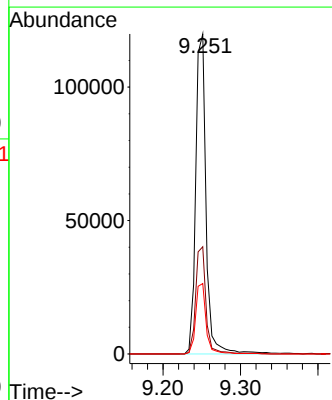
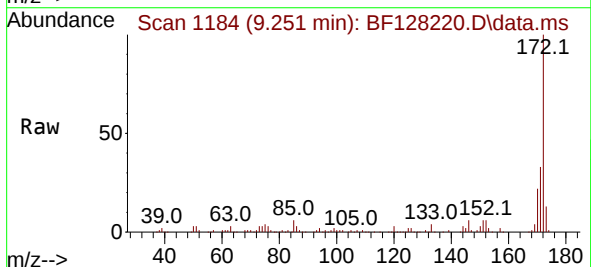
Manual Integrations
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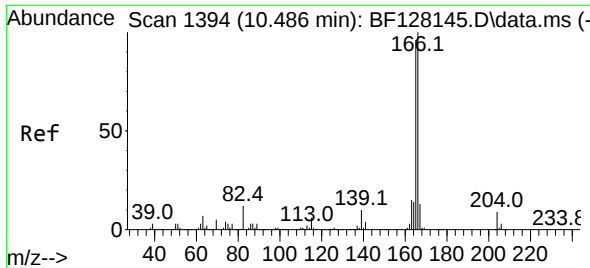
Reviewed By : Christian Giraldo 05/13/2022
Supervised By : Jagrut Upadhyay 05/13/2022



#45
2-Fluorobiphenyl
Concen: 14.374 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion: 172 Resp: 111313
Ion Ratio Lower Upper
172 100
171 33.5 28.6 42.8
170 22.0 19.1 28.7





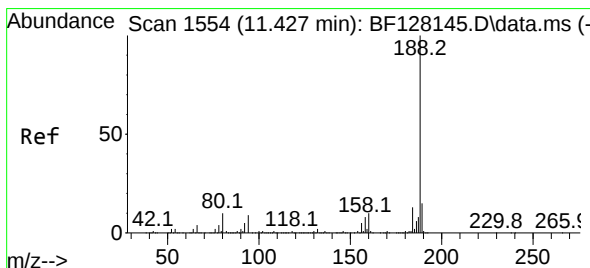
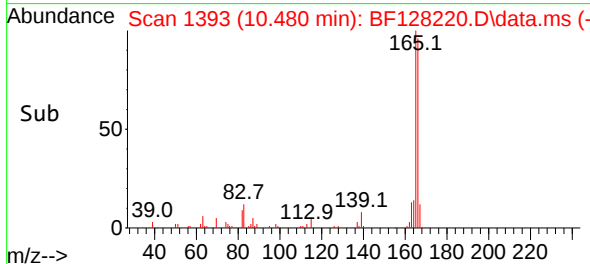
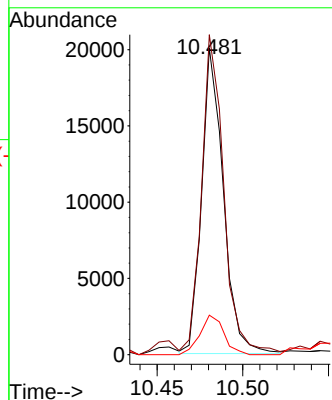
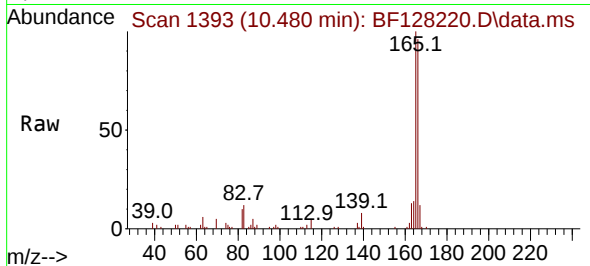
#58
Fluorene
Concen: 2.330 ng m
RT: 10.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

Tgt Ion:166 Resp: 1766
Ion Ratio Lower Upper
166 100
165 104.3 78.6 117.8
167 12.9 10.5 15.7

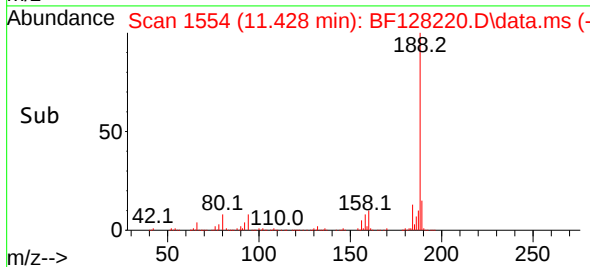
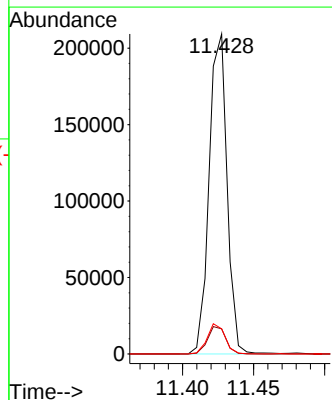
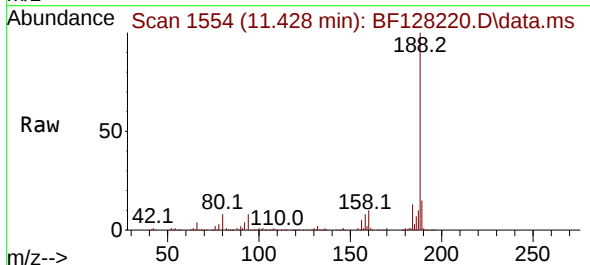
Manual Integrations
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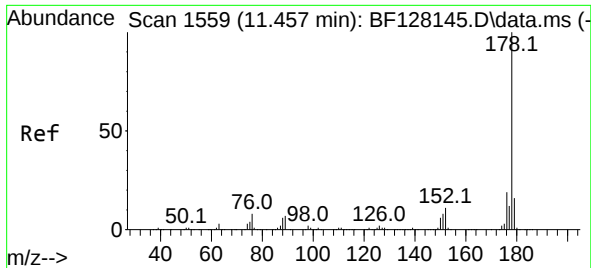
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

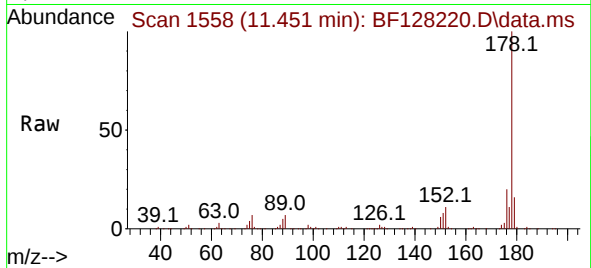
Tgt Ion:188 Resp: 183613
Ion Ratio Lower Upper
188 100
94 7.8 8.0 12.0#
80 7.9 8.9 13.3#





#71
Phenanthrene
Concen: 16.590 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

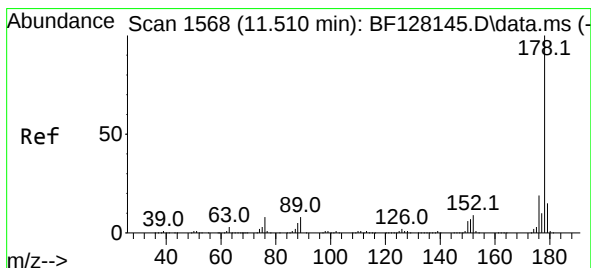
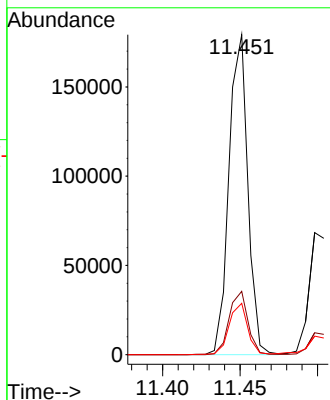
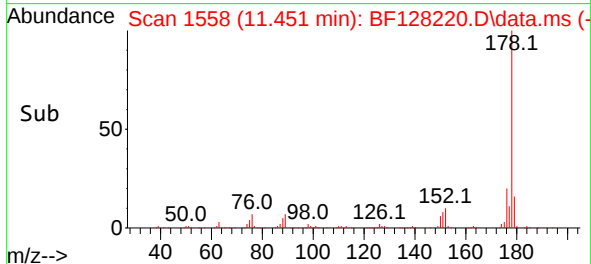
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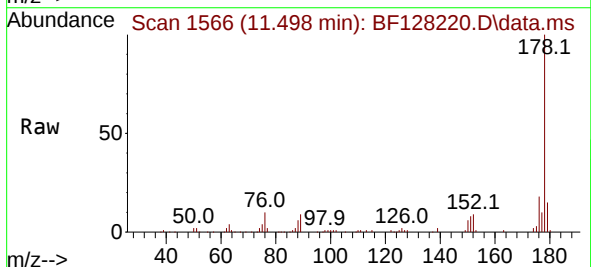
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Ion Ratio Lower Upper
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176 19.8 15.7 23.5
179 16.0 12.6 19.0

Manual Integrations
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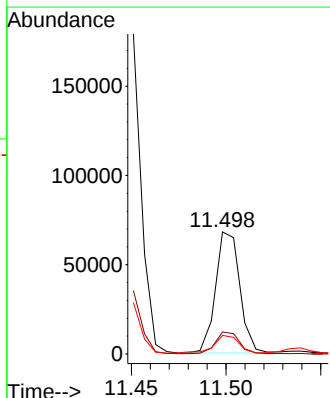
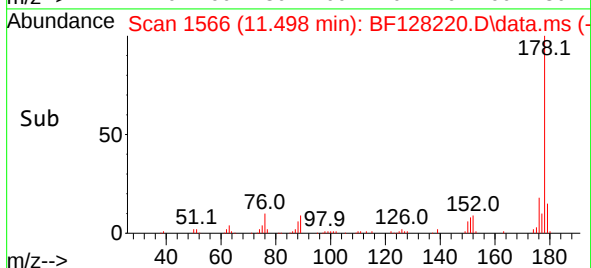
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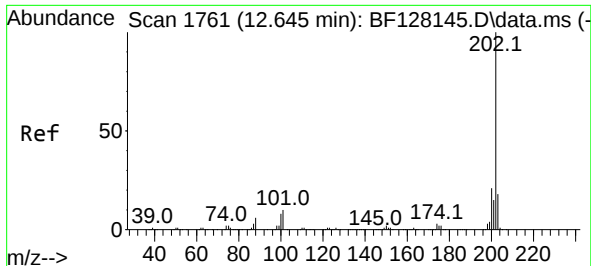


#72
Anthracene
Concen: 6.649 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40



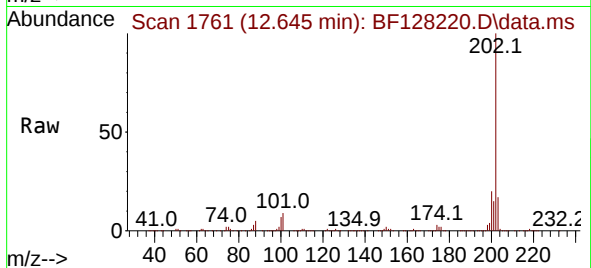
Tgt Ion:178 Resp: 60690
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 34.931 ng
RT: 12.645 min Scan# 1761
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

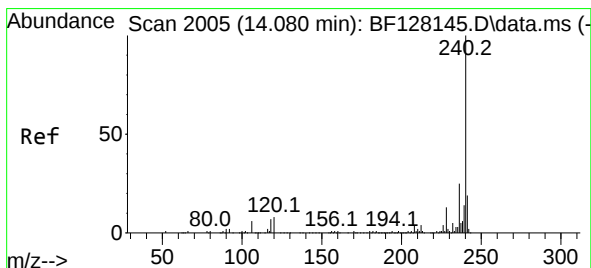
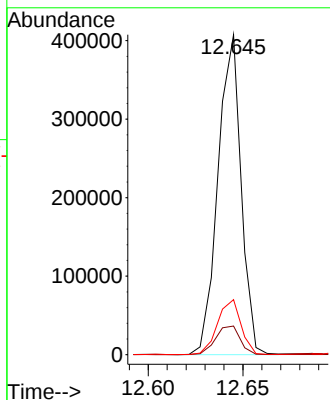
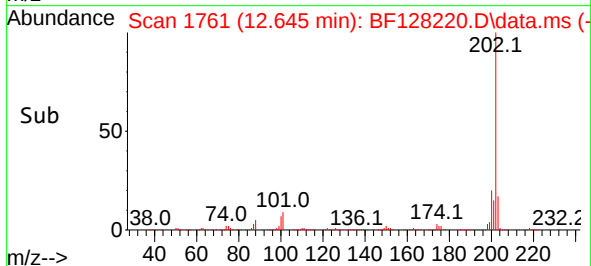
Instrument :
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CL-02-051022DL



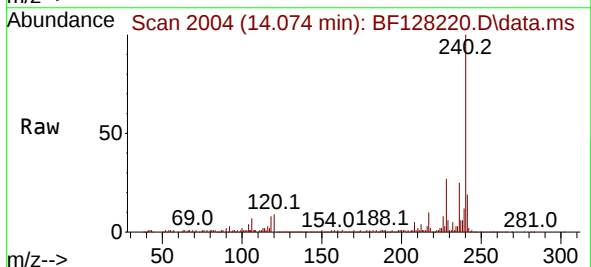
Tgt Ion: 202 Resp: 34624
Ion Ratio Lower Upper
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101 9.0 0.0 31.6
203 17.2 0.0 38.1

Manual Integrations
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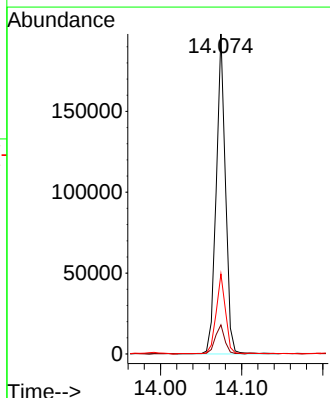
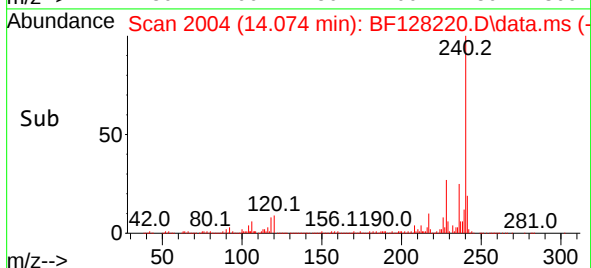
Reviewed By : Christian Giraldo 05/13/2022
Supervised By : Jagrut Upadhyay 05/13/2022

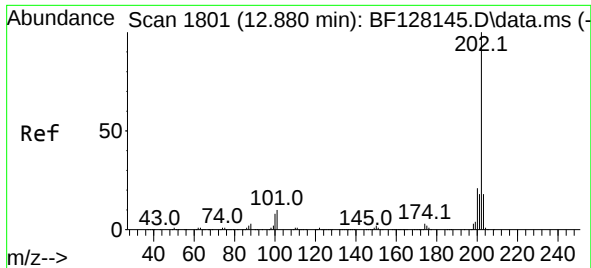


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40



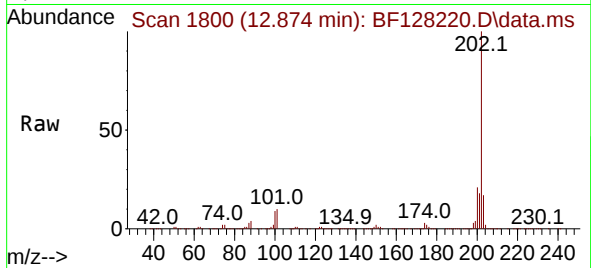
Tgt Ion: 240 Resp: 156624
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.0 20.3 30.5





#78
Pyrene
Concen: 27.075 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

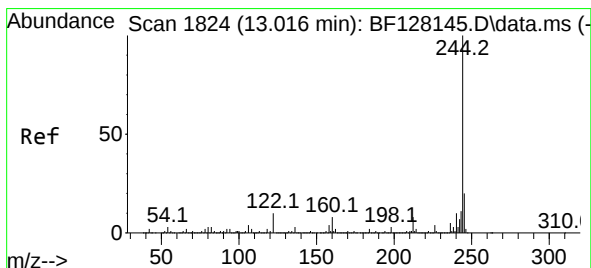
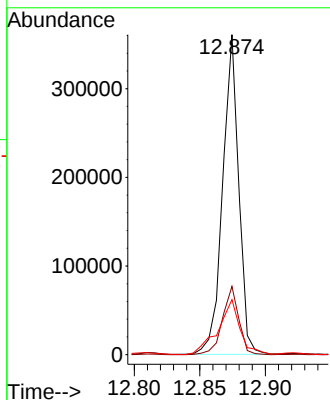
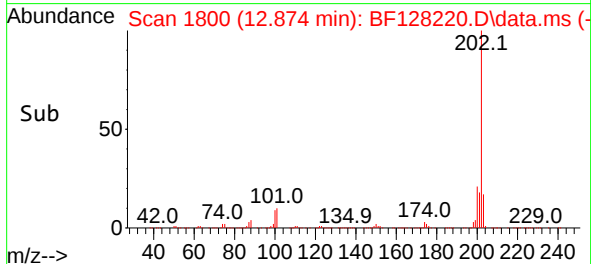
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL



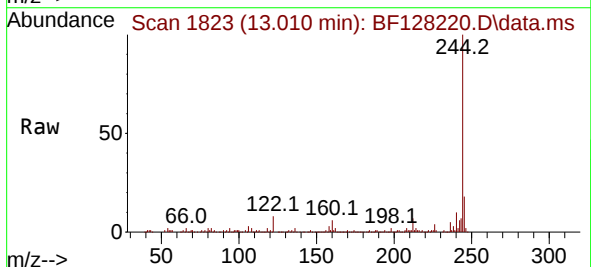
Tgt Ion:202 Resp: 30748
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.2 14.0 21.0

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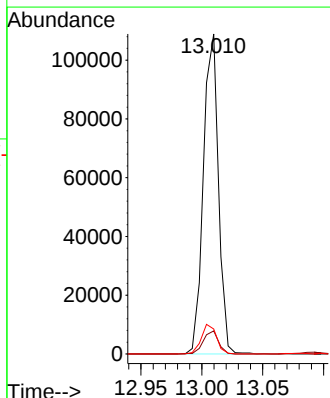
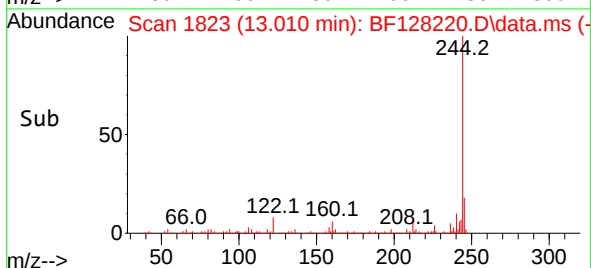
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

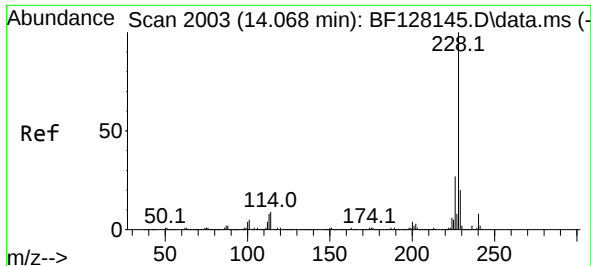


#79
Terphenyl-d14
Concen: 11.180 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40



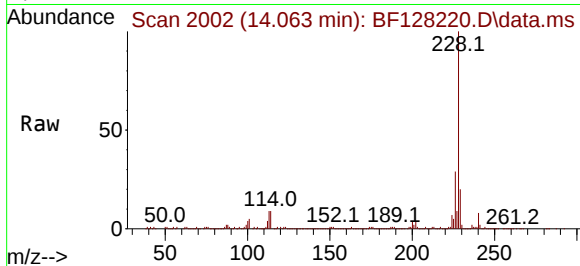
Tgt Ion:244 Resp: 93321
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 7.8 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 23.947 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

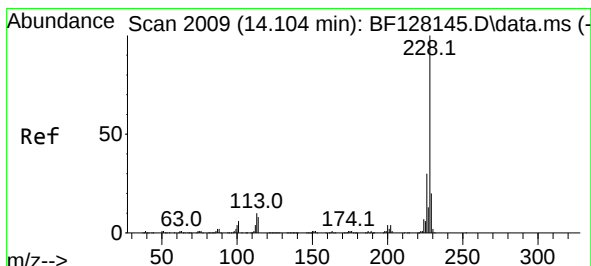
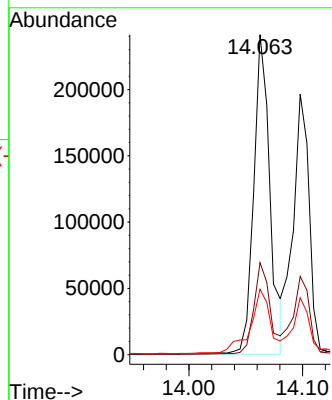
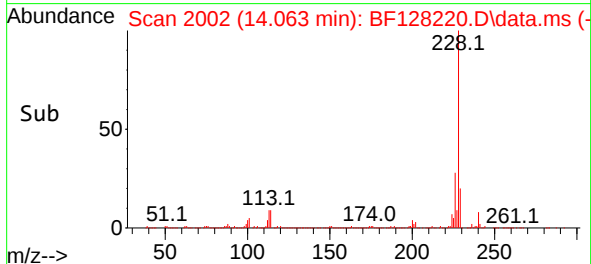
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL



Tgt Ion:228 Resp: 239568
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 20.5 15.4 23.2

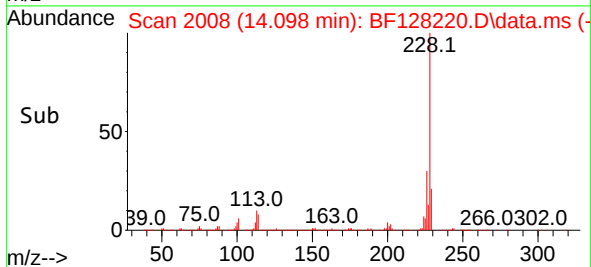
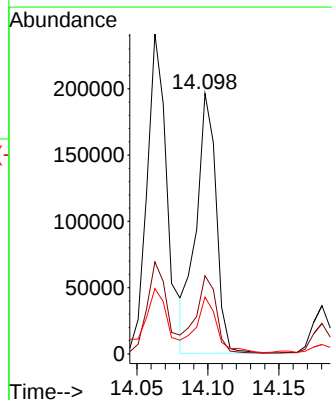
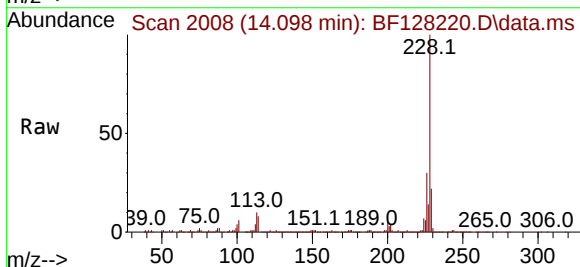
Manual Integrations
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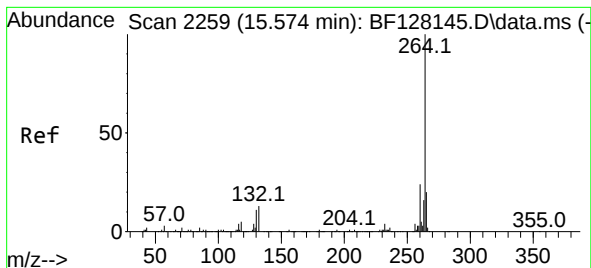
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#83
Chrysene
Concen: 20.279 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

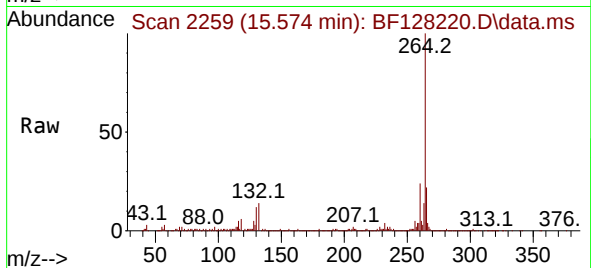
Tgt Ion:228 Resp: 193573
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 21.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

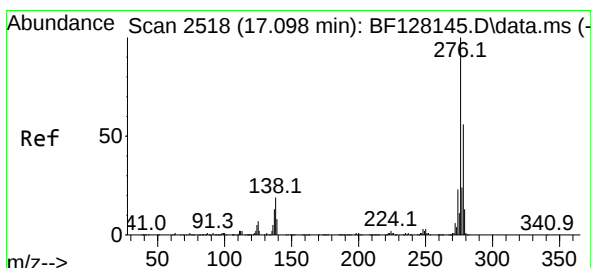
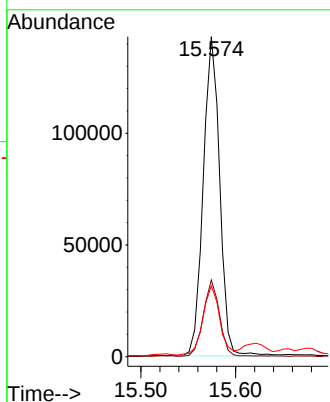
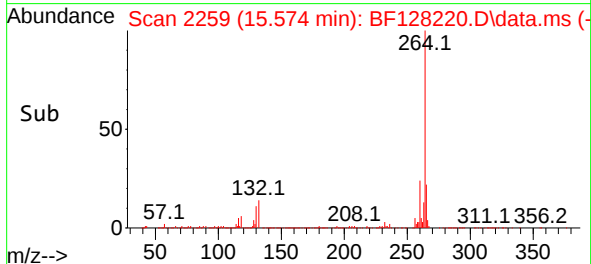
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL



Tgt Ion:264 Resp: 172458
Ion Ratio Lower Upper
264 100
260 23.9 20.1 30.1
265 22.2 17.5 26.3

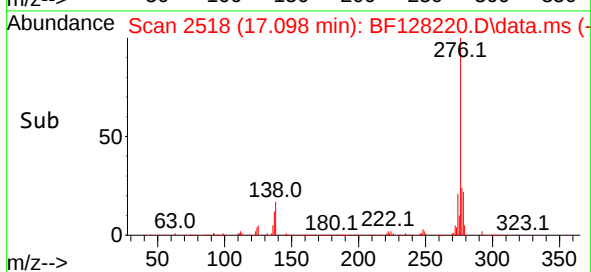
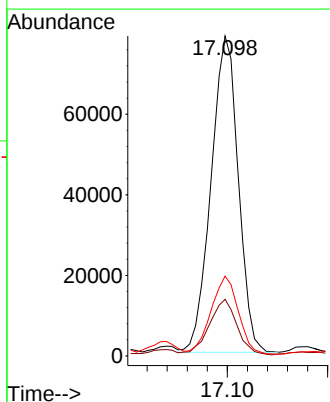
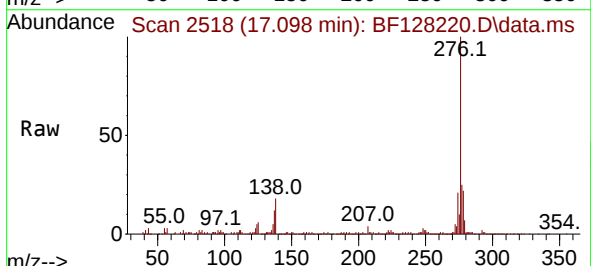
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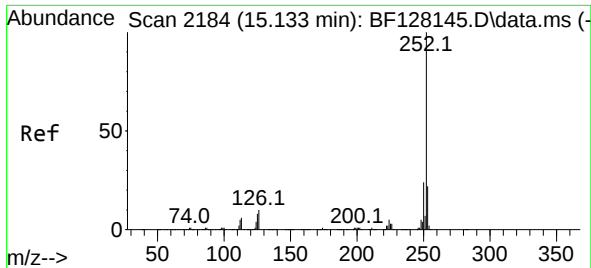
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.169 ng
RT: 17.098 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

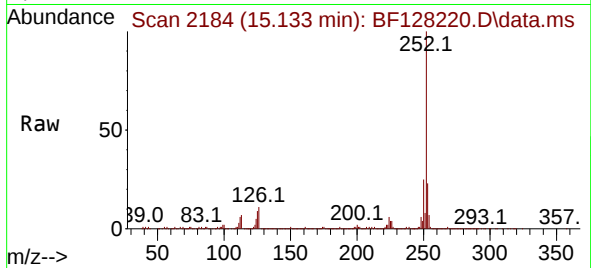
Tgt Ion:276 Resp: 147814
Ion Ratio Lower Upper
276 100
138 17.8 19.0 28.4#
277 24.8 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 33.035 ng m
RT: 15.133 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

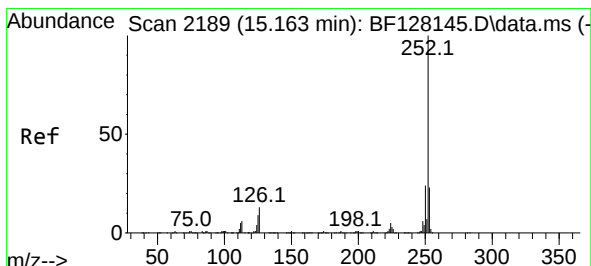
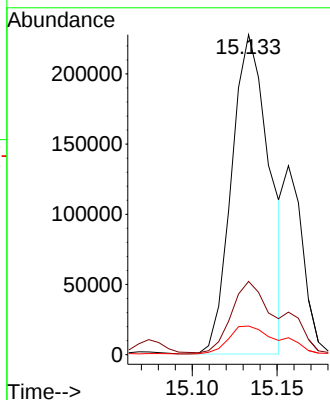
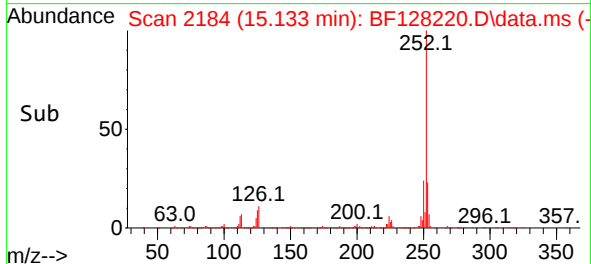
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL



Tgt Ion:252 Resp: 35316
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 8.9 7.4 11.2

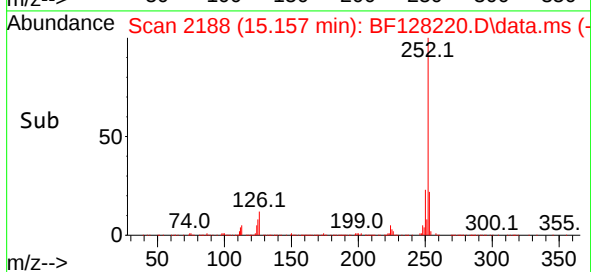
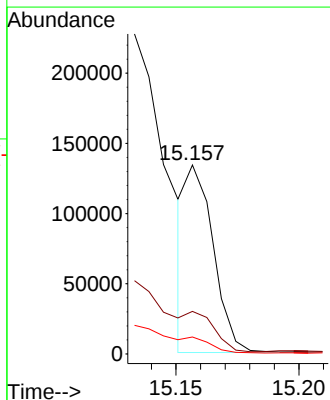
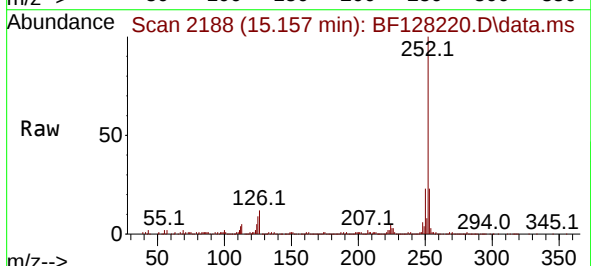
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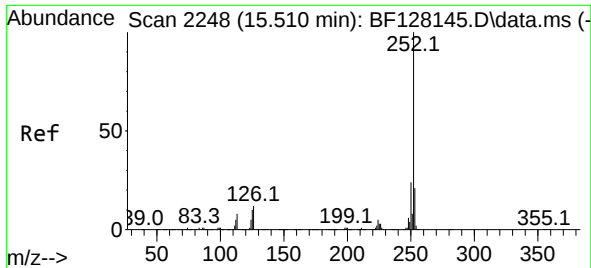
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#89
Benzo(k)fluoranthene
Concen: 9.719 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

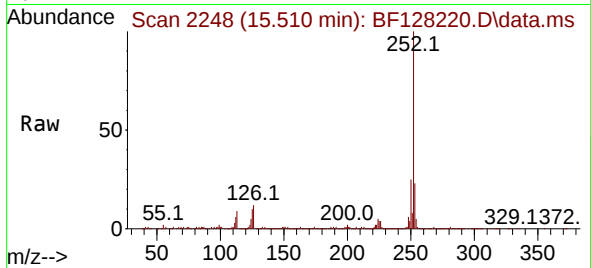
Tgt Ion:252 Resp: 102566
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 9.0 6.8 10.2





#90
Benzo(a)pyrene
Concen: 28.921 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

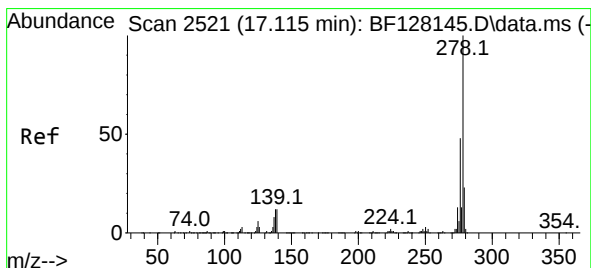
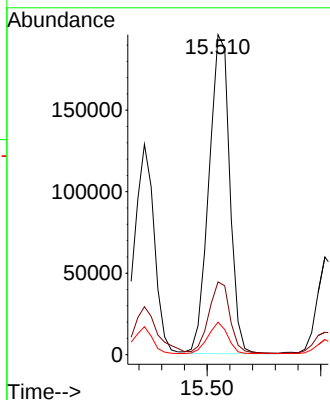
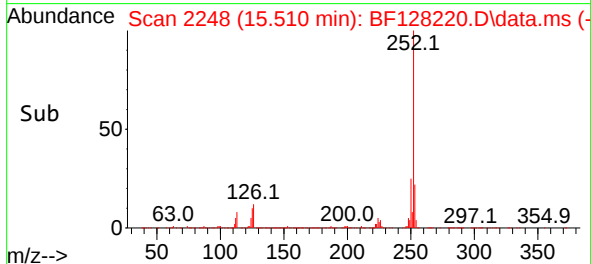
Instrument :
BNA_F
Client SampleId :
CL-02-051022DL



Tgt Ion:252 Resp: 249600
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.1 9.2 13.8

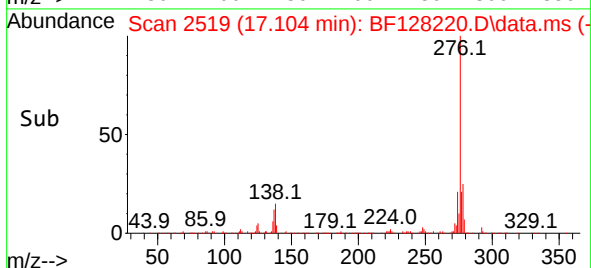
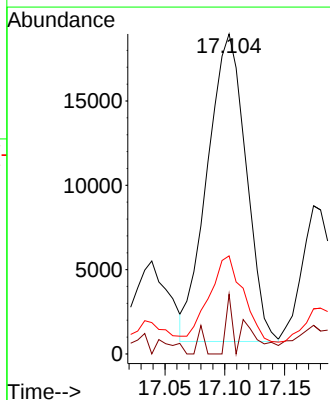
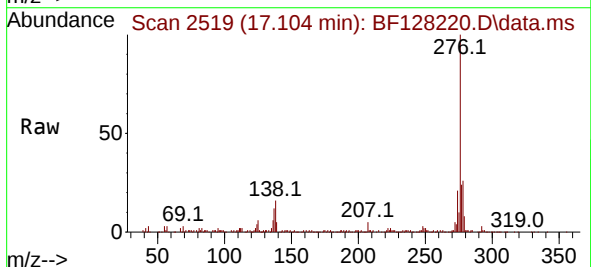
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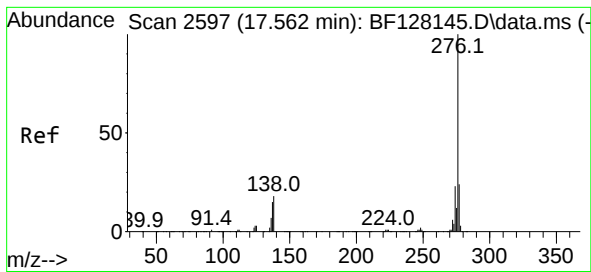
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.848 ng m
RT: 17.104 min Scan# 2519
Delta R.T. -0.012 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

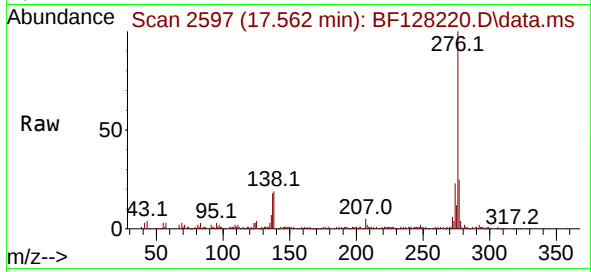
Tgt Ion:278 Resp: 40942
Ion Ratio Lower Upper
278 100
139 18.7 12.6 19.0
279 30.6 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 14.773 ng
 RT: 17.562 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022DL



Tgt Ion: 276 Resp: 12633
 Ion Ratio Lower Upper
 276 100
 277 25.2 18.8 28.2
 138 18.8 16.2 24.2

Manual Integrations
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Reviewed By : Christian Giraldo 05/13/2022
 Supervised By : Jagrut Upadhyay 05/13/2022

