

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128179.D
 Acq On : 11 May 2022 00:19
 Operator : CG\JU
 Sample : N2749-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2022
 Supervised By : Jagrut Upadhyay 05/11/2022

Quant Time: May 11 04:02:40 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	6.892	152	77939	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	296034	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	166778	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	268378	20.000	ng	0.00
76) Chrysene-d12	14.074	240	167424	20.000	ng	0.00
86) Perylene-d12	15.568	264	167194	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	464101	94.925	ng	0.00
7) Phenol-d6	6.522	99	612985	94.792	ng	0.00
23) Nitrobenzene-d5	7.457	82	446578	67.879	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	155221	81.151	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	664700	62.361	ng	0.00
79) Terphenyl-d14	13.010	244	554676	62.166	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	52514	3.592	ng	99
49) Acenaphthylene	9.792	152	54797	4.026	ng	99
71) Phenanthrene	11.445	178	100466	7.518	ng	99
72) Anthracene	11.498	178	42153	3.159	ng	99
75) Fluoranthene	12.639	202	314552	21.711	ng	98
78) Pyrene	12.874	202	338698	27.900	ng	99
81) Benzo(a)anthracene	14.063	228	236687m	22.133	ng	
83) Chrysene	14.098	228	215432	21.113	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	169011m	16.711	ng	
88) Benzo(b)fluoranthene	15.133	252	355366m	34.288	ng	
89) Benzo(k)fluoranthene	15.157	252	135012m	13.197	ng	
90) Benzo(a)pyrene	15.509	252	270520m	32.331	ng	
91) Dibenzo(a,h)anthracene	17.092	278	50249	6.137	ng	93
92) Benzo(g,h,i)perylene	17.551	276	149677	18.054	ng	97

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

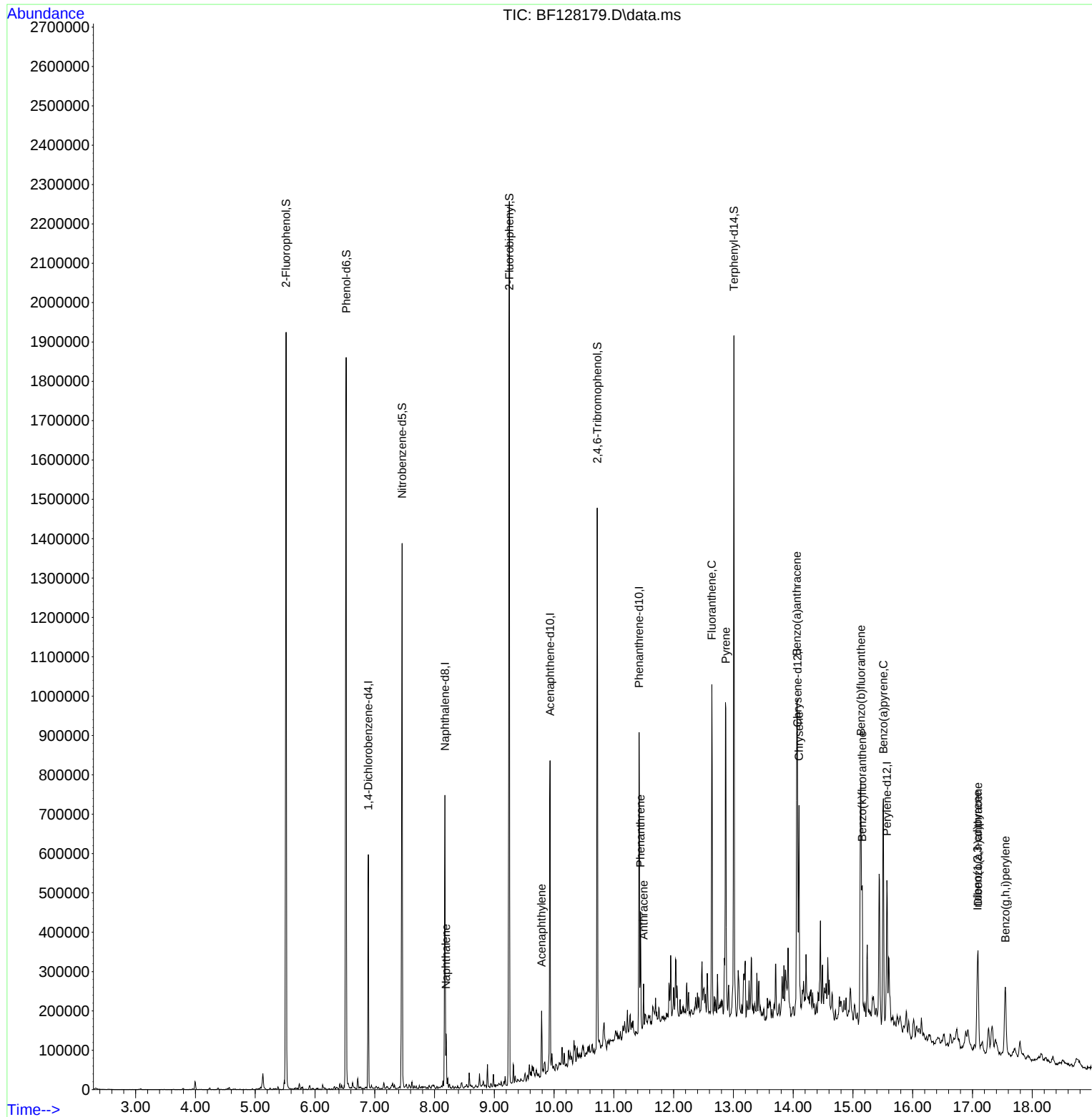
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
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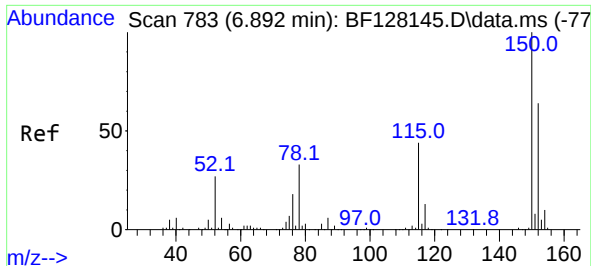
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Quant Time: May 11 04:02:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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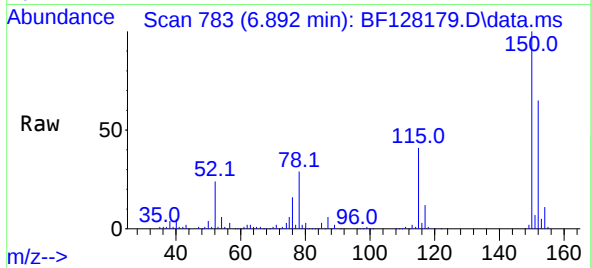
Reviewed By : Christian Giraldo 05/11/2022
Supervised By : Jagrut Upadhyay 05/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

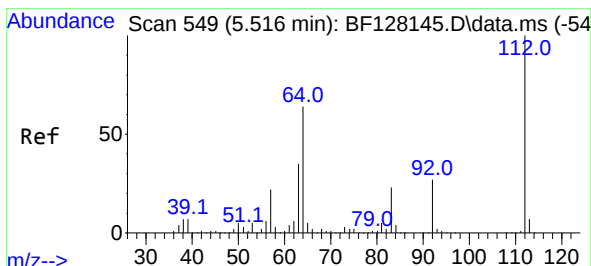
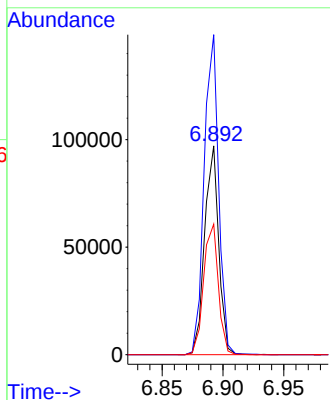
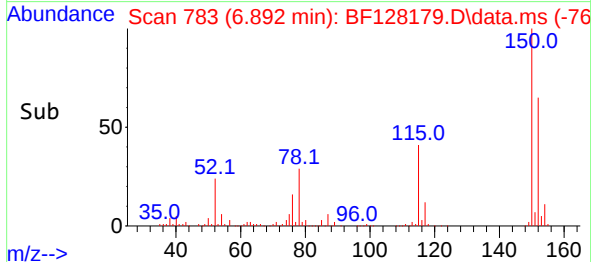
Instrument :
BNA_F
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TP-5



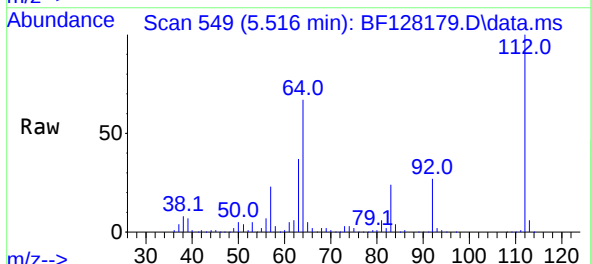
Tgt Ion:152 Resp: 77939
Ion Ratio Lower Upper
152 100
150 153.2 125.3 187.9
115 62.5 48.8 73.2

Manual Integrations
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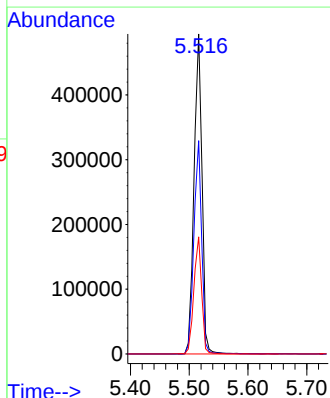
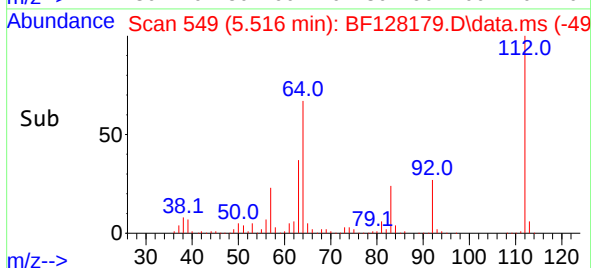
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

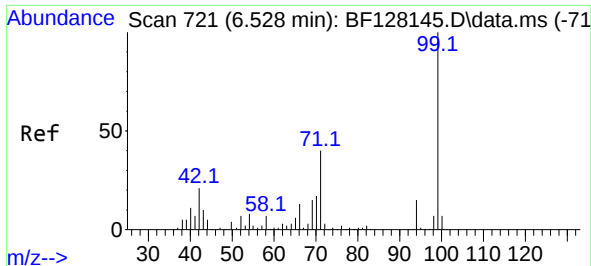


#5
2-Fluorophenol
Concen: 94.925 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.000 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



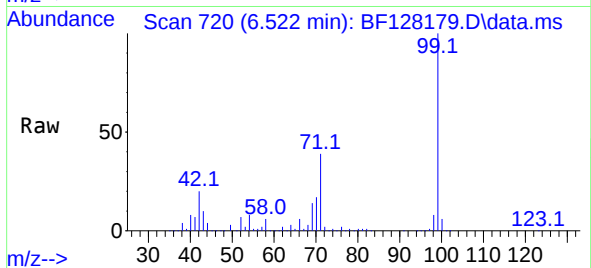
Tgt Ion:112 Resp: 464101
Ion Ratio Lower Upper
112 100
64 66.6 49.5 74.3
63 36.6 26.3 39.5





#7
Phenol-d6
Concen: 94.792 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

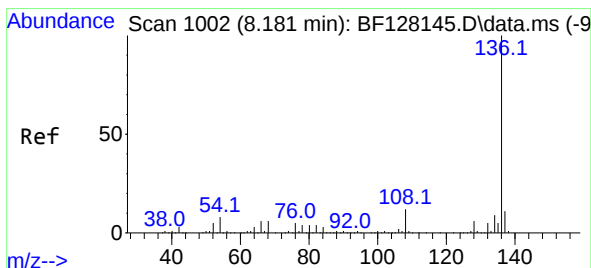
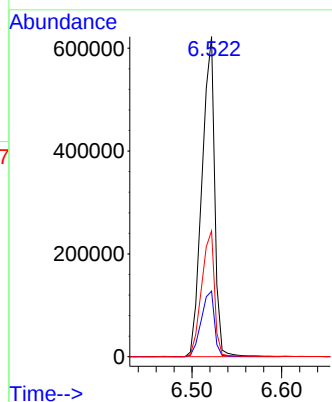
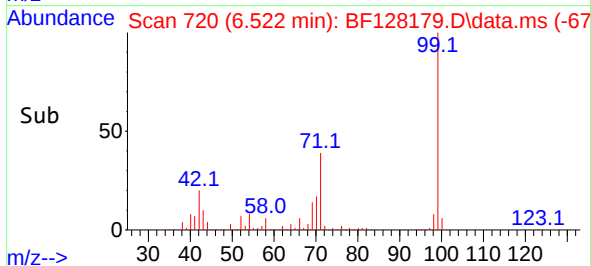
Instrument :
BNA_F
ClientSampleId :
TP-5



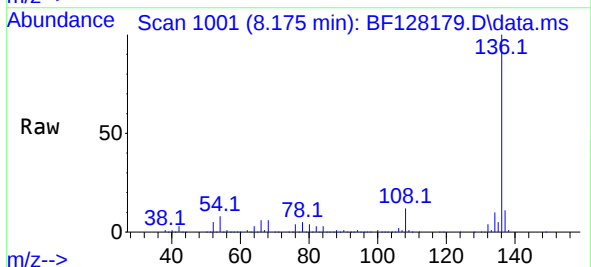
Tgt Ion: 99 Resp: 61298
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 39.3 30.0 45.0

Manual Integrations
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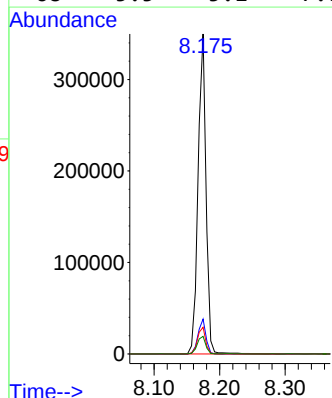
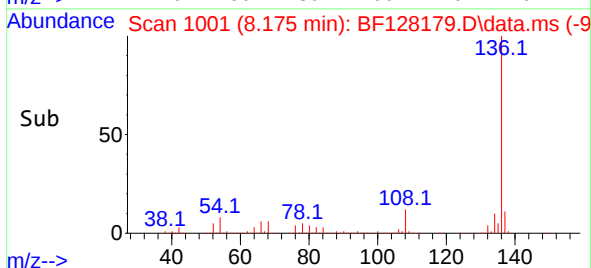
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



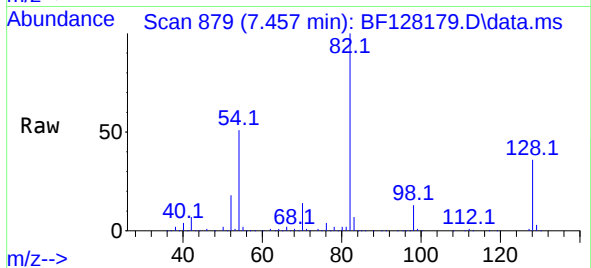
Tgt Ion:136 Resp: 296034
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 6.8 10.2
68 5.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 67.879 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

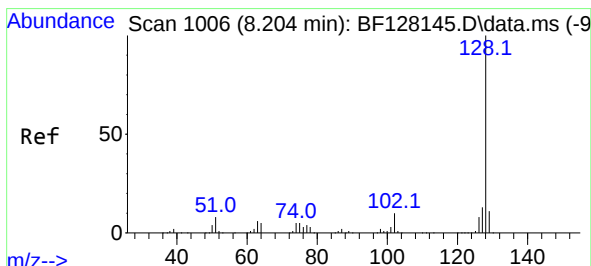
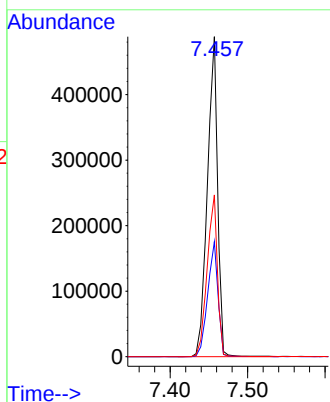
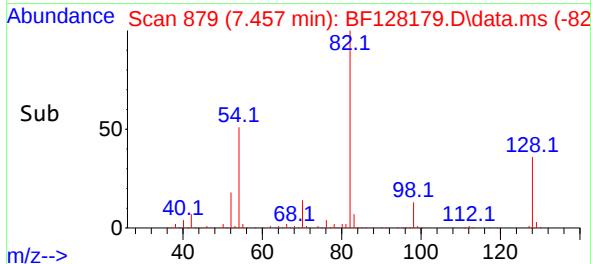
Instrument :
BNA_F
ClientSampleId :
TP-5



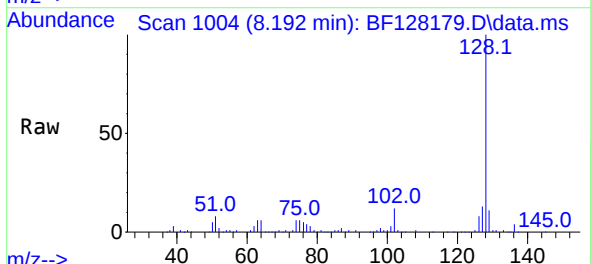
Tgt Ion: 82 Resp: 446578
Ion Ratio Lower Upper
82 100
128 35.9 30.0 45.0
54 50.5 41.3 61.9

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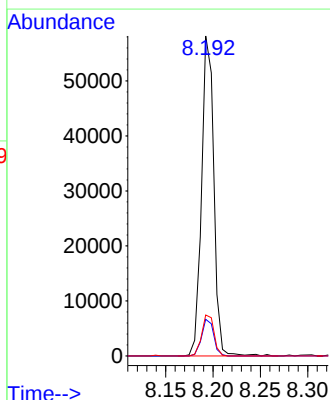
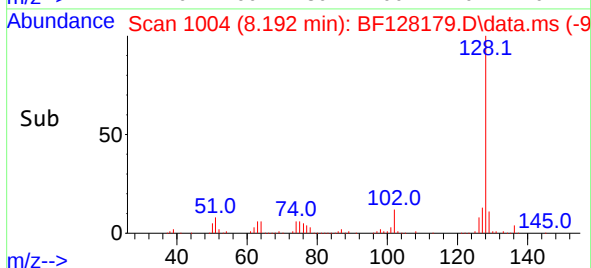
Reviewed By :Christian Giraldo 05/11/2022
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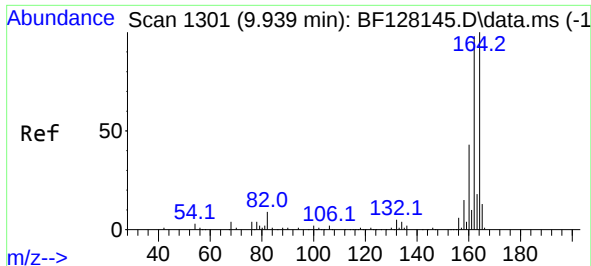


#31
Naphthalene
Concen: 3.592 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



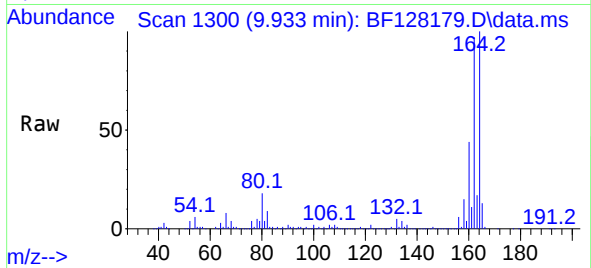
Tgt Ion:128 Resp: 52514
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 12.8 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

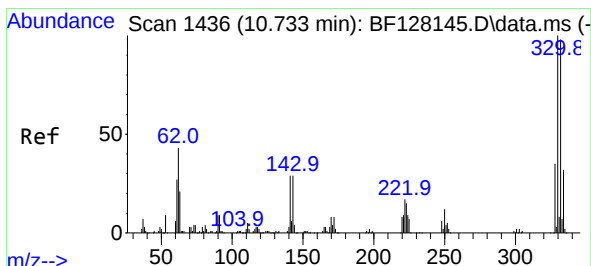
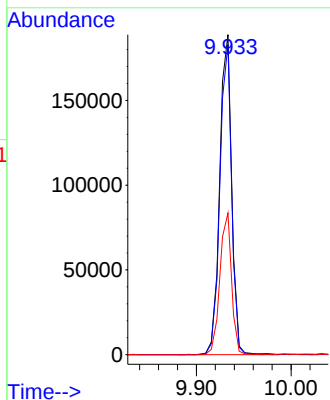
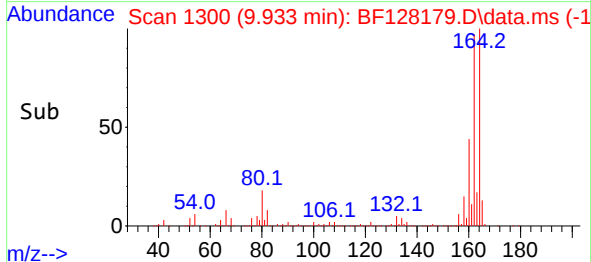
Instrument :
BNA_F
ClientSampleId :
TP-5



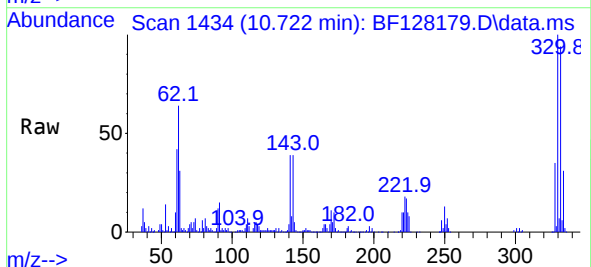
Tgt Ion:164 Resp: 166778
Ion Ratio Lower Upper
164 100
162 96.9 76.0 114.0
160 44.3 34.8 52.2

Manual Integrations
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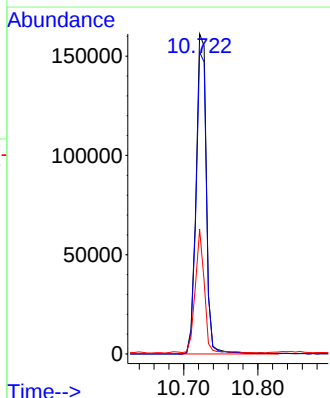
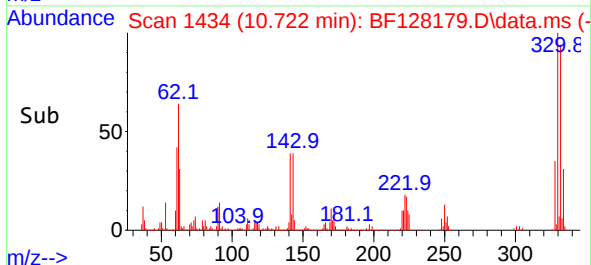
Reviewed By :Christian Giraldo 05/11/2022
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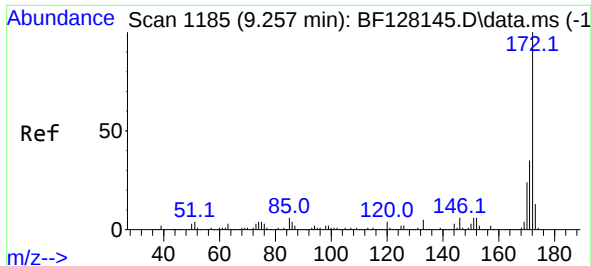


#42
2,4,6-Tribromophenol
Concen: 81.151 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



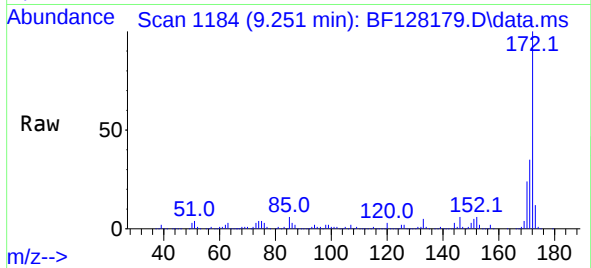
Tgt Ion:330 Resp: 155221
Ion Ratio Lower Upper
330 100
332 94.6 79.0 118.4
141 33.9 28.9 43.3





#45
2-Fluorobiphenyl
Concen: 62.361 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

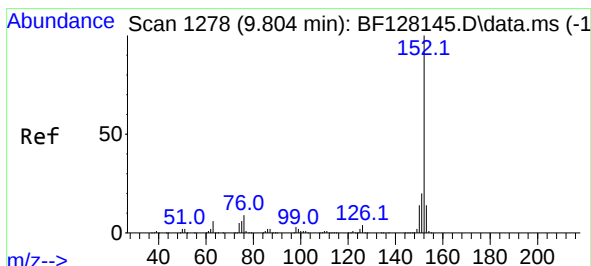
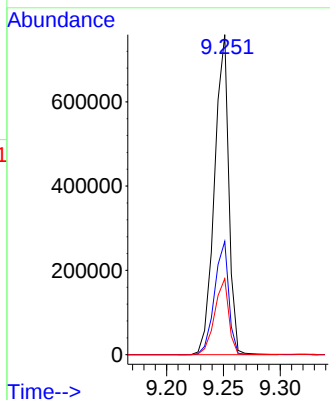
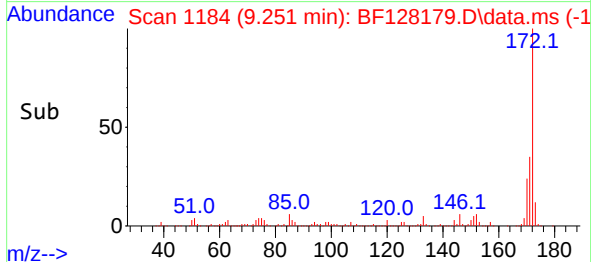
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TP-5



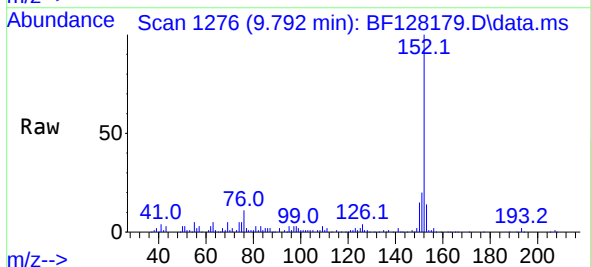
Tgt Ion:172 Resp: 664700
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.7 19.1 28.7

Manual Integrations
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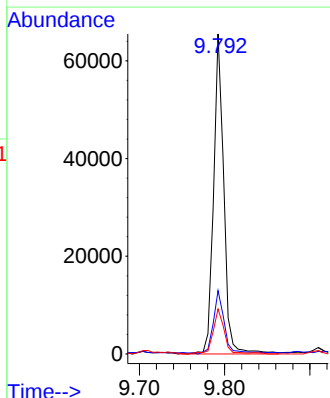
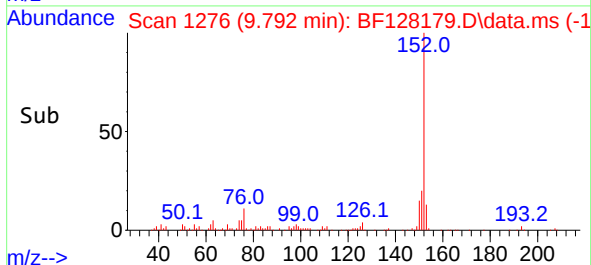
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

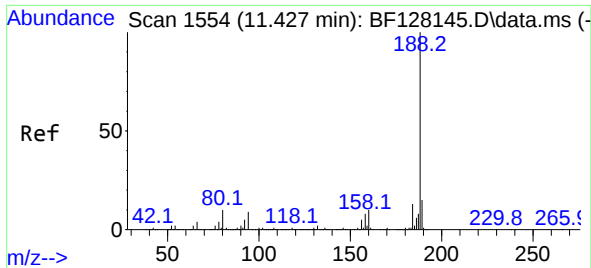


#49
Acenaphthylene
Concen: 4.026 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



Tgt Ion:152 Resp: 54797
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 14.0 11.2 16.8





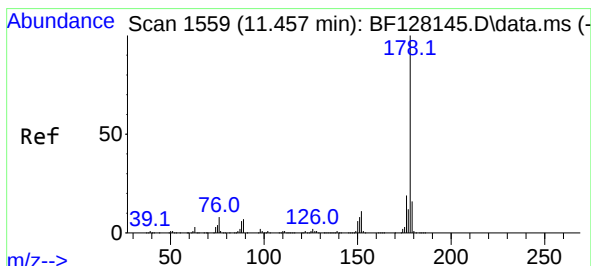
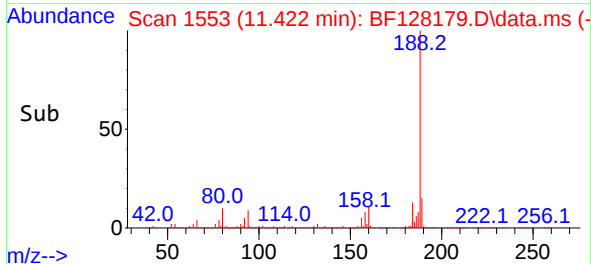
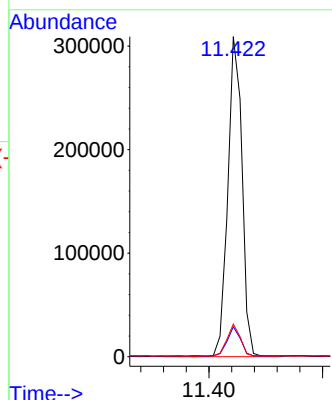
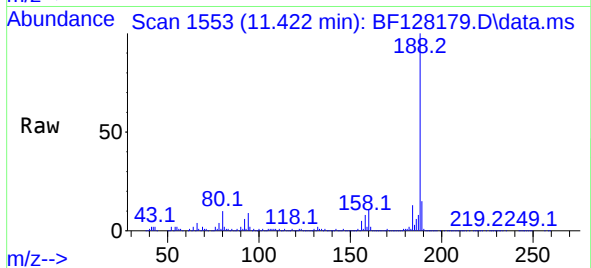
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:188 Resp: 268378
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.2 8.9 13.3

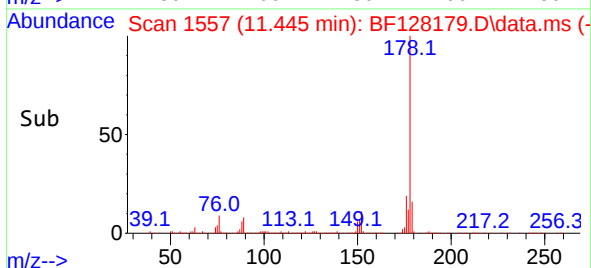
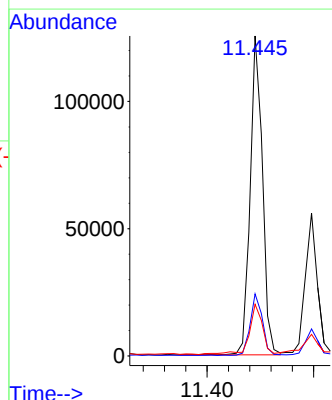
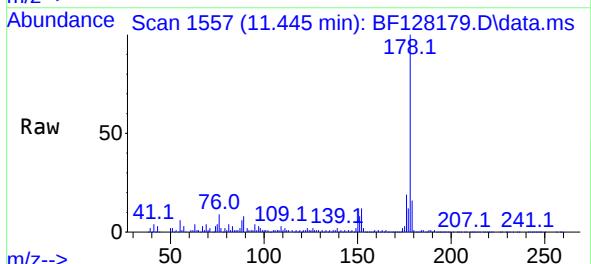
Manual Integrations
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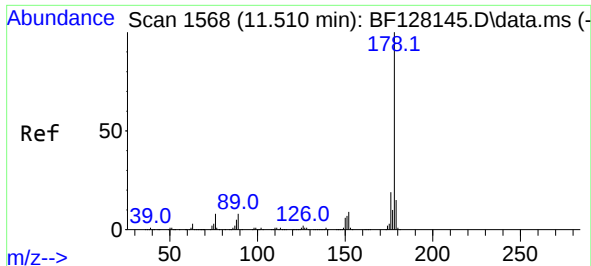
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#71
Phenanthrene
Concen: 7.518 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

Tgt Ion:178 Resp: 100466
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.2 12.6 19.0





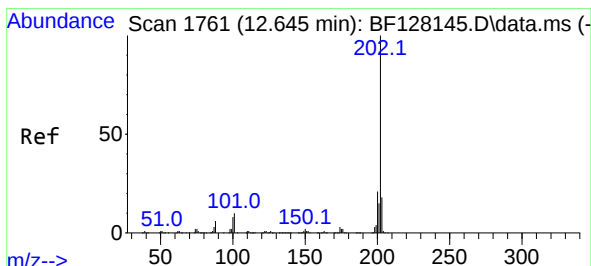
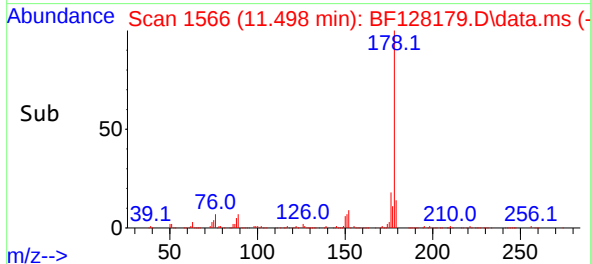
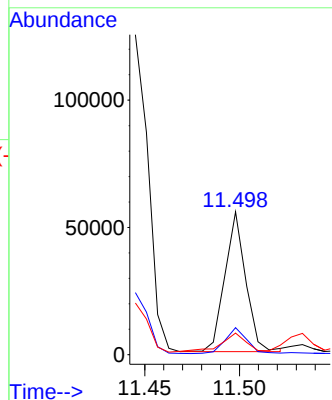
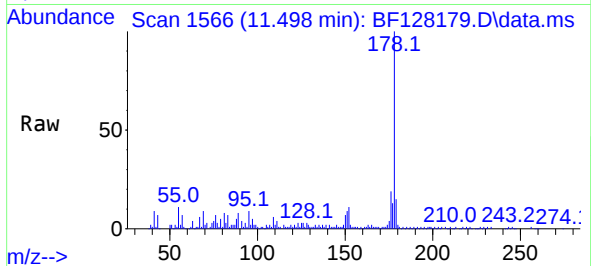
#72
 Anthracene
 Concen: 3.159 ng
 RT: 11.498 min Scan# 1568
 Delta R.T. -0.012 min
 Lab File: BF128179.D
 Acq: 11 May 2022 00:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:178 Resp: 4215
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 15.2 12.4 18.6

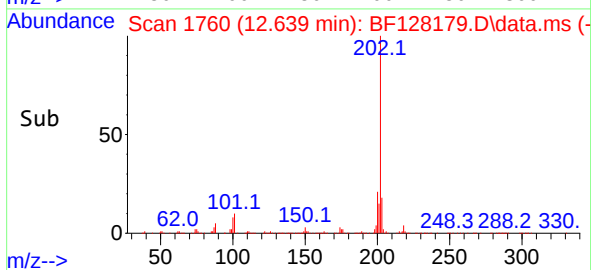
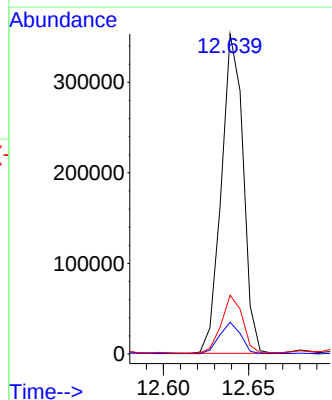
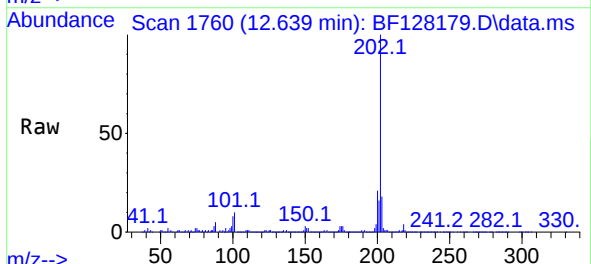
Manual Integrations
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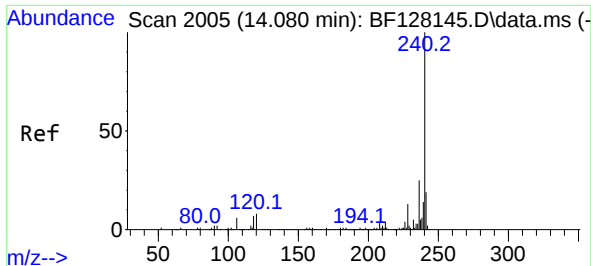
Reviewed By :Christian Giraldo 05/11/2022
 Supervised By :Jagrut Upadhyay 05/11/2022



#75
 Fluoranthene
 Concen: 21.711 ng
 RT: 12.639 min Scan# 1760
 Delta R.T. -0.006 min
 Lab File: BF128179.D
 Acq: 11 May 2022 00:19

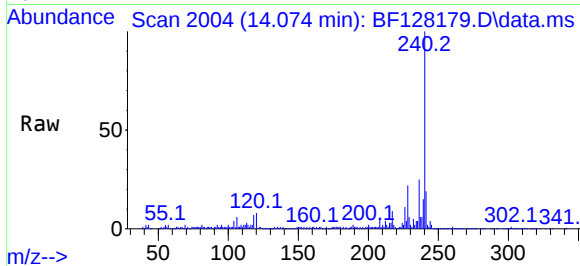
Tgt Ion:202 Resp: 314552
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.6
 203 18.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

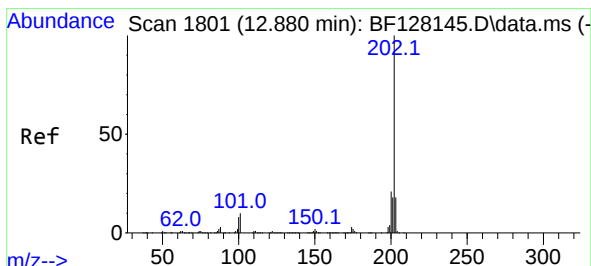
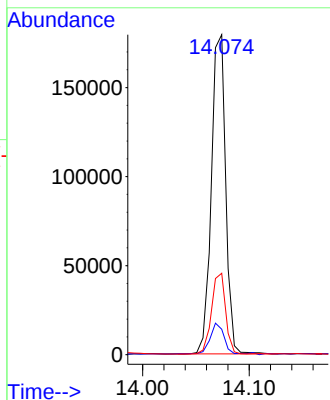
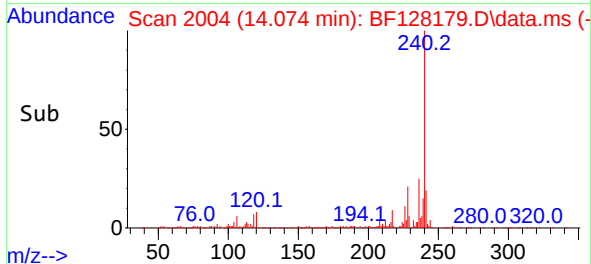
Instrument :
BNA_F
ClientSampleId :
TP-5



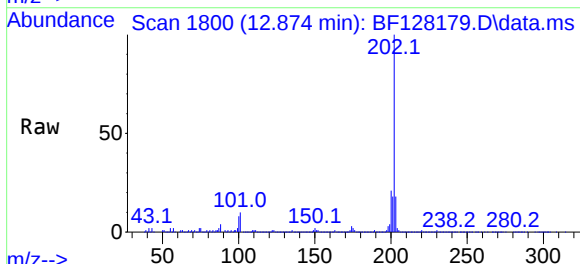
Tgt Ion:240 Resp: 167424
Ion Ratio Lower Upper
240 100
120 8.0 7.0 10.6
236 25.5 20.3 30.5

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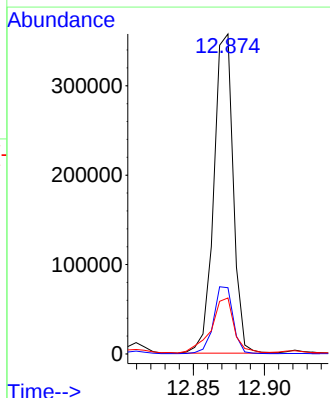
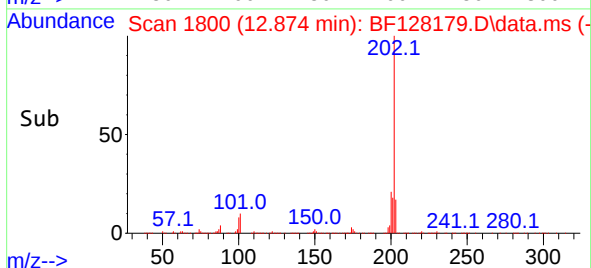
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

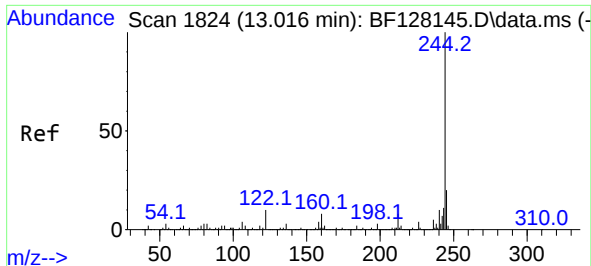


#78
Pyrene
Concen: 27.900 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



Tgt Ion:202 Resp: 338698
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.2
203 17.5 14.0 21.0





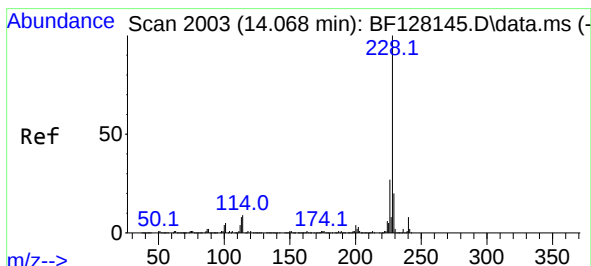
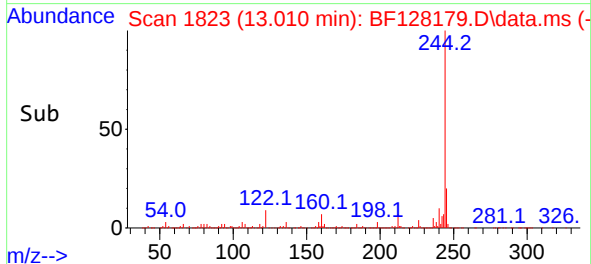
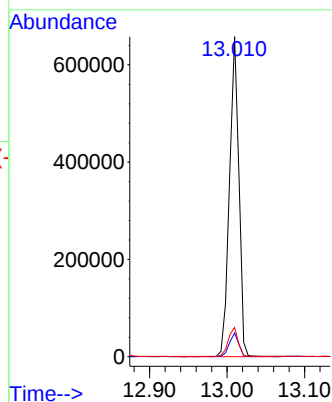
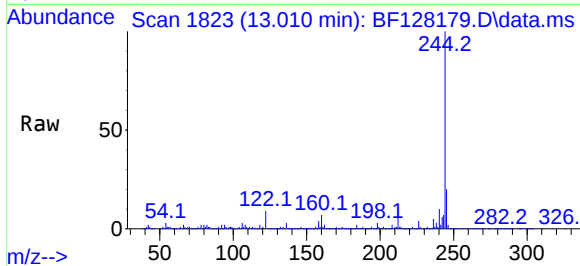
#79
 Terphenyl-d14
 Concen: 62.166 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128179.D
 Acq: 11 May 2022 00:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 554670
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 9.2 8.6 12.8

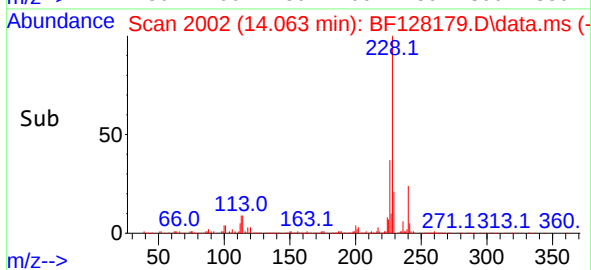
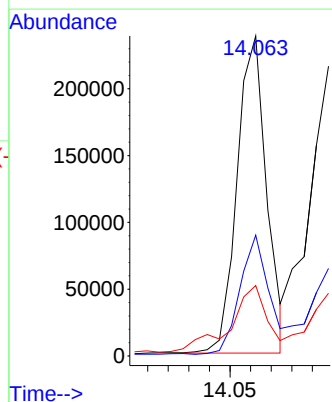
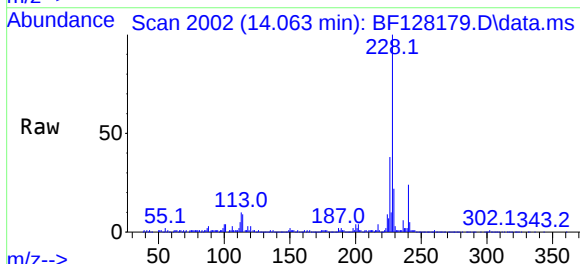
Manual Integrations
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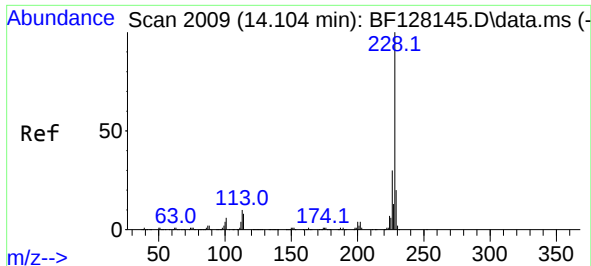
Reviewed By :Christian Giraldo 05/11/2022
 Supervised By :Jagrut Upadhyay 05/11/2022



#81
 Benzo(a)anthracene
 Concen: 22.133 ng m
 RT: 14.063 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF128179.D
 Acq: 11 May 2022 00:19

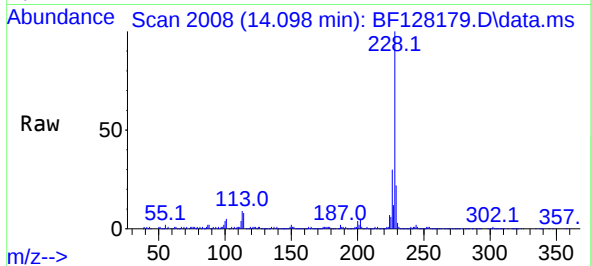
Tgt Ion:228 Resp: 236687
 Ion Ratio Lower Upper
 228 100
 226 37.8 21.7 32.5#
 229 22.0 15.4 23.2





#83
Chrysene
Concen: 21.113 ng
RT: 14.098 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

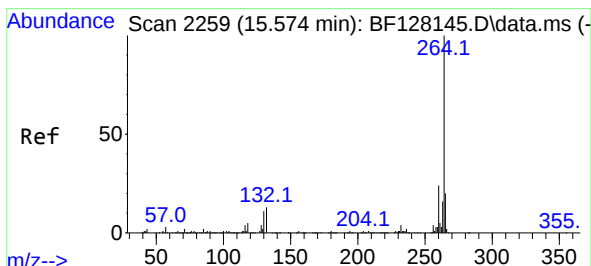
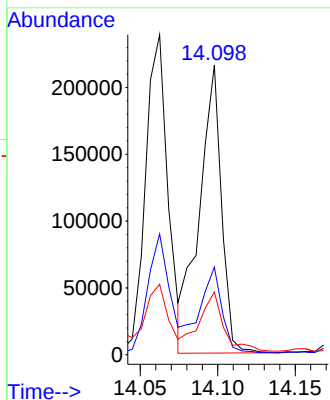
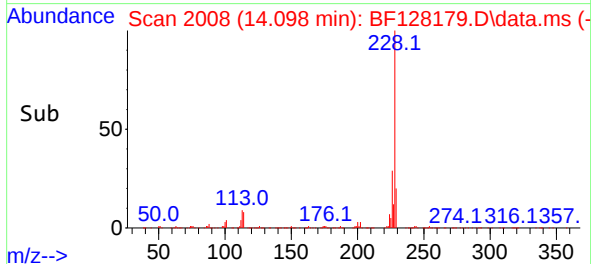
Instrument :
BNA_F
ClientSampleId :
TP-5



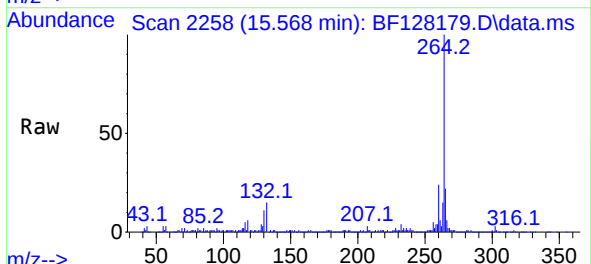
Tgt Ion:228 Resp: 215432
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.6 15.8 23.8

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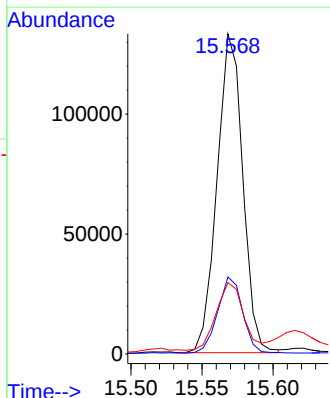
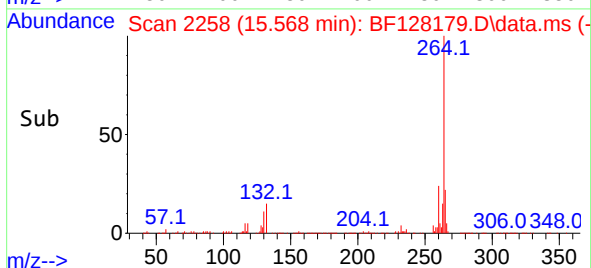
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

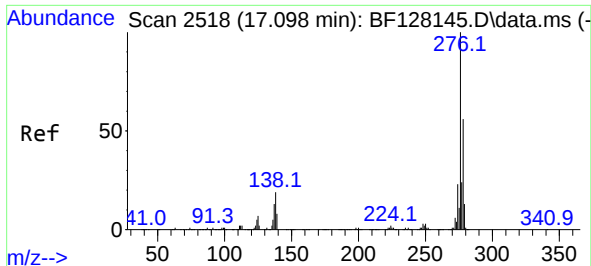


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



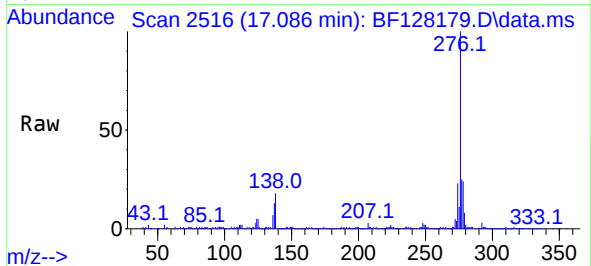
Tgt Ion:264 Resp: 167194
Ion Ratio Lower Upper
264 100
260 24.0 20.1 30.1
265 22.3 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 16.711 ng m
RT: 17.086 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

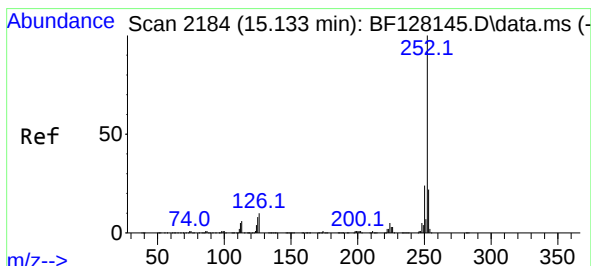
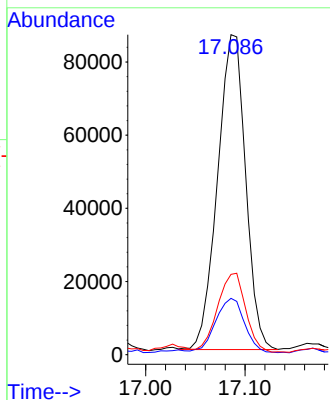
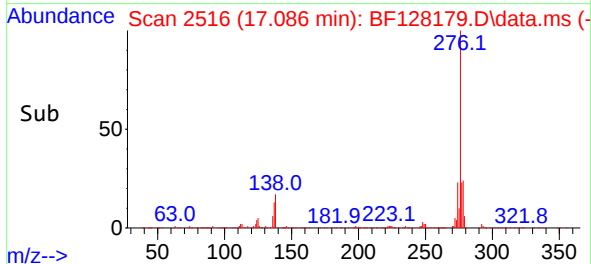
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:276 Resp: 16901
Ion Ratio Lower Upper
276 100
138 1.0 19.0 28.4
277 0.9 20.1 30.1

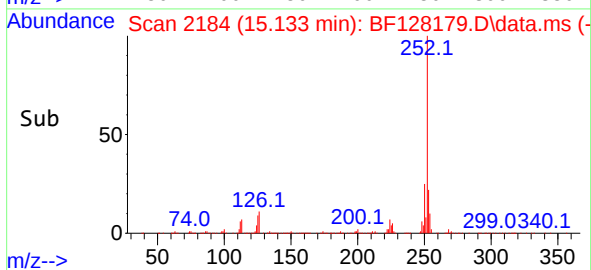
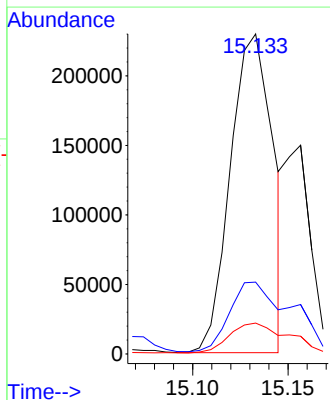
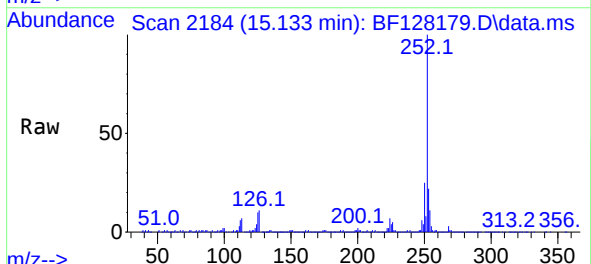
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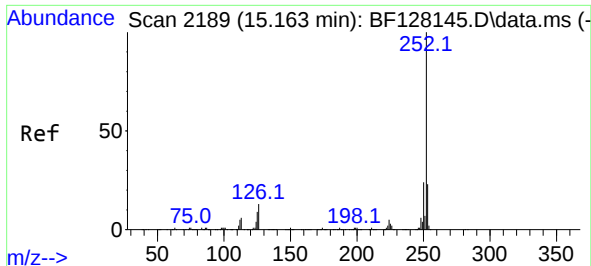
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#88
Benzo(b)fluoranthene
Concen: 34.288 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

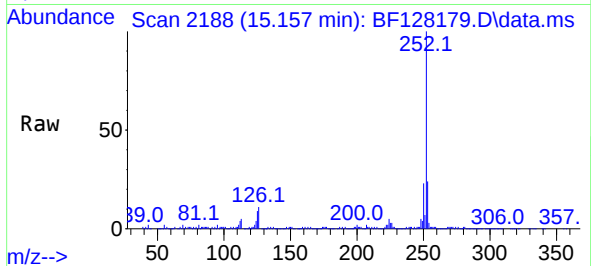
Tgt Ion:252 Resp: 355366
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 9.6 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 13.197 ng m
RT: 15.157 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

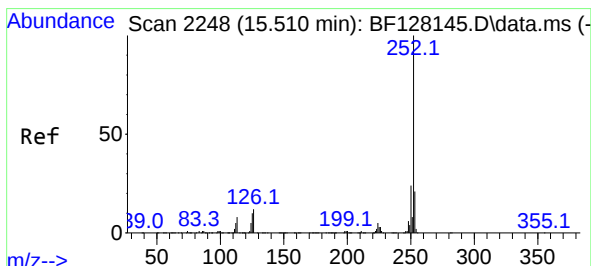
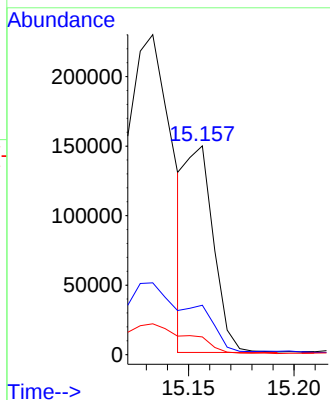
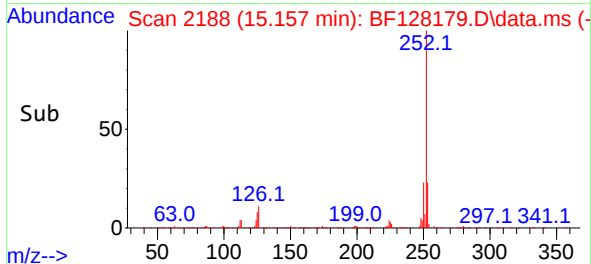
Instrument :
BNA_F
ClientSampleId :
TP-5



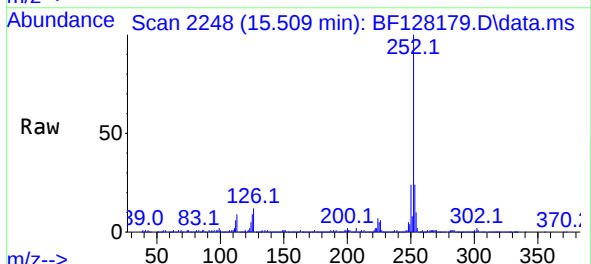
Tgt Ion:252 Resp: 135012
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 8.5 6.8 10.2

Manual Integrations
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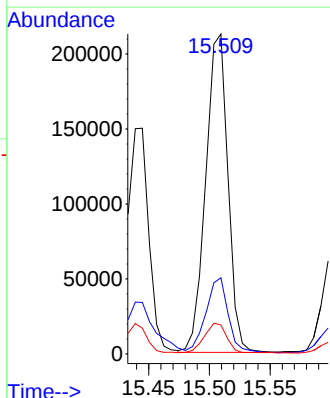
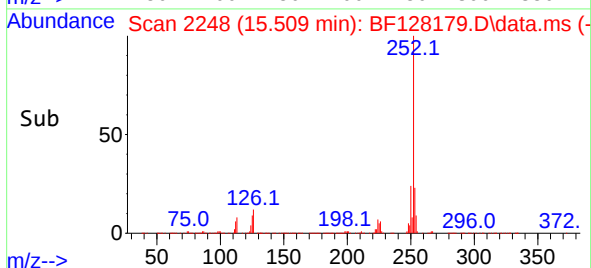
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

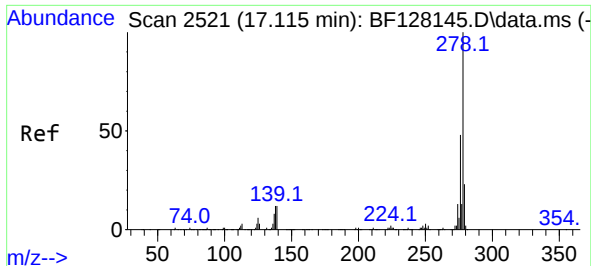


#90
Benzo(a)pyrene
Concen: 32.331 ng m
RT: 15.509 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



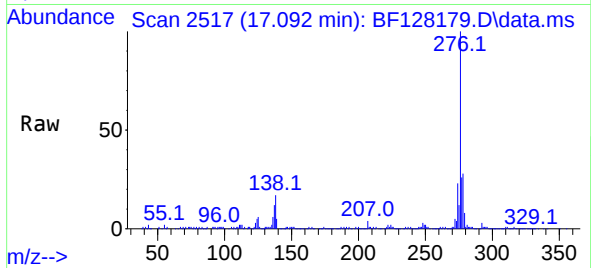
Tgt Ion:252 Resp: 270520
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 9.1 9.2 13.8#





#91
Dibenzo(a,h)anthracene
Concen: 6.137 ng
RT: 17.092 min Scan# 2517
Delta R.T. -0.024 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19

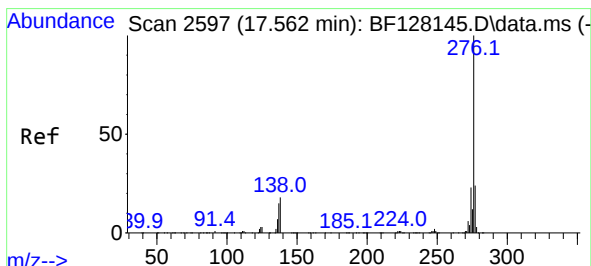
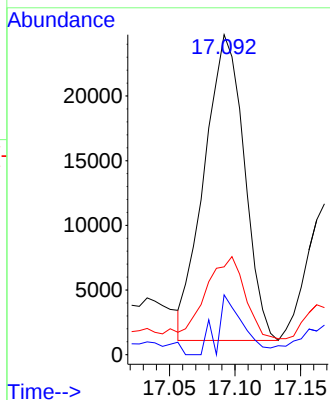
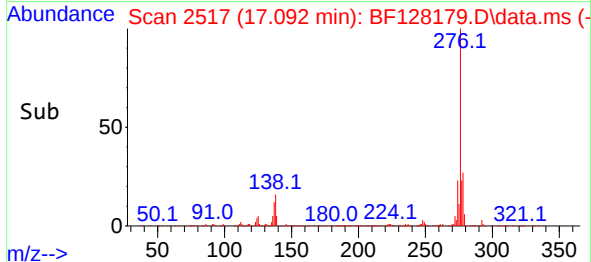
Instrument :
BNA_F
ClientSampleId :
TP-5



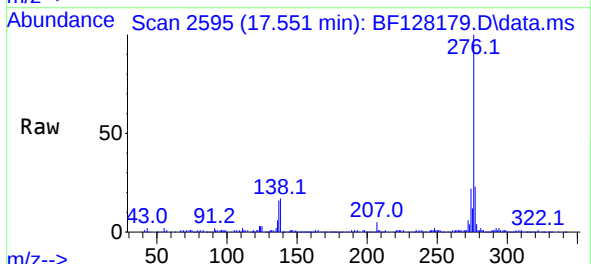
Tgt Ion:278 Resp: 50249
Ion Ratio Lower Upper
278 100
139 18.7 12.6 19.0
279 27.4 18.9 28.3

Manual Integrations
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Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#92
Benzo(g,h,i)perylene
Concen: 18.054 ng
RT: 17.551 min Scan# 2595
Delta R.T. -0.012 min
Lab File: BF128179.D
Acq: 11 May 2022 00:19



Tgt Ion:276 Resp: 149677
Ion Ratio Lower Upper
276 100
277 23.4 18.8 28.2
138 17.0 16.2 24.2

