

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131980.D
 Acq On : 10 Jan 2023 00:13
 Operator : CG\JU
 Sample : N6243-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2023
 Supervised By : Jagrut Upadhyay 01/10/2023

Quant Time: Jan 10 03:16:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	64306	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	233751	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	127725	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	202192	20.000	ng	0.00
76) Chrysene-d12	13.980	240	123726	20.000	ng	0.00
86) Perylene-d12	15.445	264	137055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	370226	94.867	ng	0.00
7) Phenol-d6	6.428	99	475191	91.836	ng	0.00
23) Nitrobenzene-d5	7.357	82	360786	64.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	108750	74.052	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	626945	66.264	ng	0.00
79) Terphenyl-d14	12.916	244	452456	52.414	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.863	154	20911	2.934	ng	99
58) Fluorene	10.380	166	25260	2.815	ng	100
71) Phenanthrene	11.351	178	375227	35.599	ng	99
72) Anthracene	11.398	178	81721	7.531	ng	98
73) Carbazole	11.563	167	23950	2.666	ng	99
75) Fluoranthene	12.545	202	519099	43.791	ng	100
78) Pyrene	12.774	202	506553	44.889	ng	99
81) Benzo(a)anthracene	13.968	228	284506	31.607	ng	97
83) Chrysene	14.004	228	236612	28.127	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	99355	11.820	ng	99
88) Benzo(b)fluoranthene	15.021	252	287665m	30.602	ng	
89) Benzo(k)fluoranthene	15.039	252	103016m	10.981	ng	
90) Benzo(a)pyrene	15.380	252	224574	26.515	ng	98
91) Dibenzo(a,h)anthracene	16.909	278	28783m	4.085	ng	
92) Benzo(g,h,i)perylene	17.345	276	91082	14.710	ng	98

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

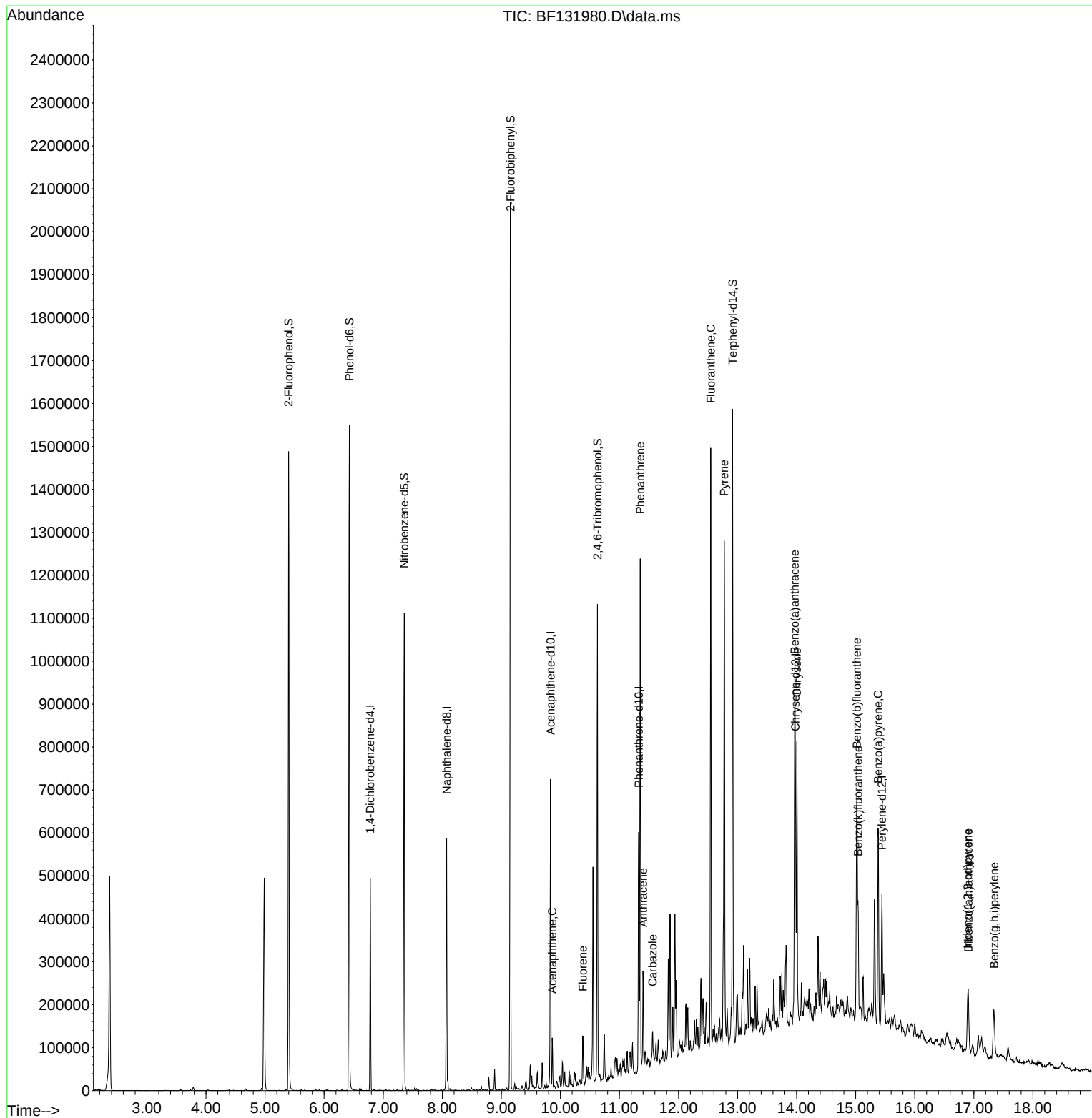
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
Data File : BF131980.D
Acq On : 10 Jan 2023 00:13
Operator : CG\JU
Sample : N6243-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

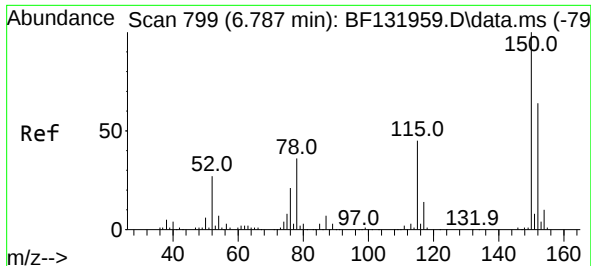
Instrument :
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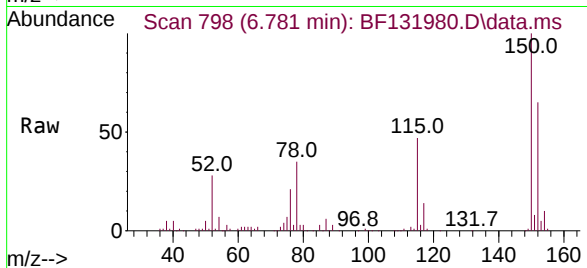
Quant Time: Jan 10 03:16:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

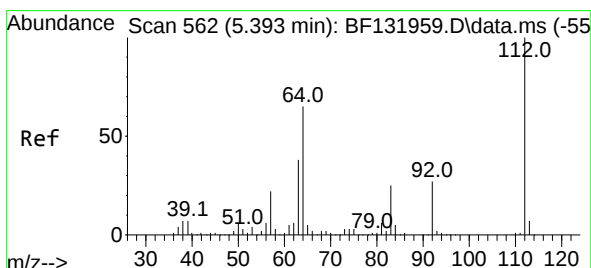
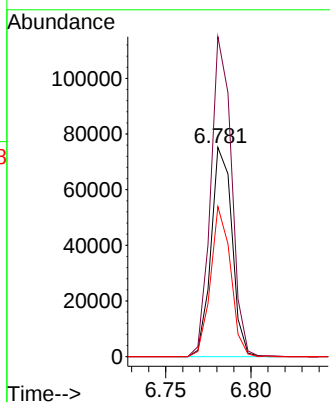
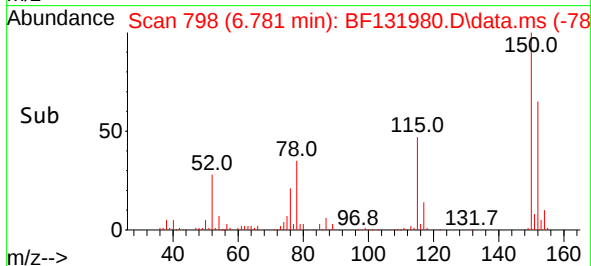
Instrument :
BNA_F
ClientSampleId :
PE-5



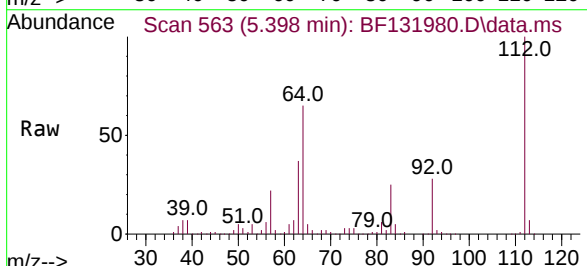
Tgt Ion:152 Resp: 64306
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 71.7 55.6 83.4

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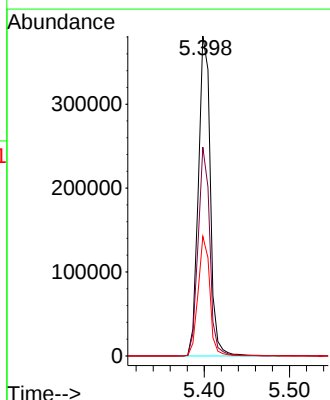
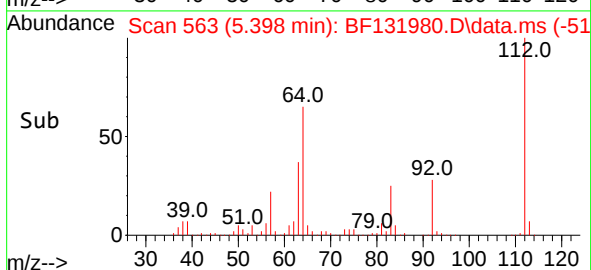
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

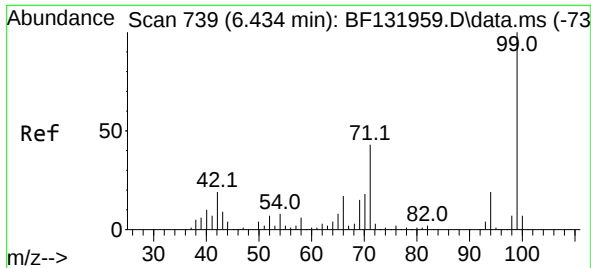


#5
2-Fluorophenol
Concen: 94.867 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13



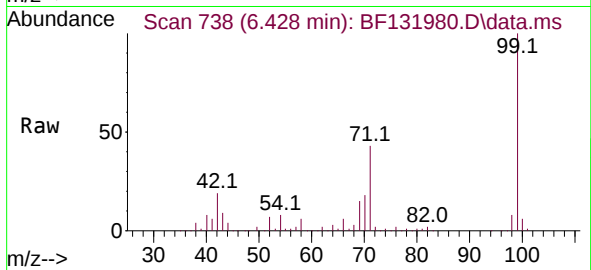
Tgt Ion:112 Resp: 370226
Ion Ratio Lower Upper
112 100
64 65.2 51.9 77.9
63 37.3 30.2 45.2





#7
Phenol-d6
Concen: 91.836 ng
RT: 6.428 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

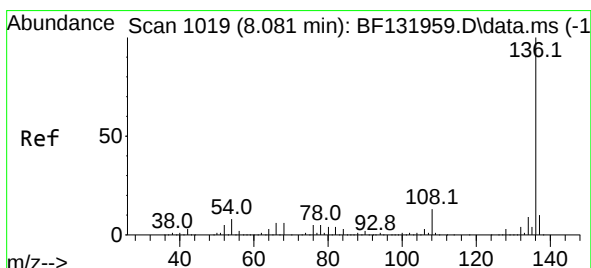
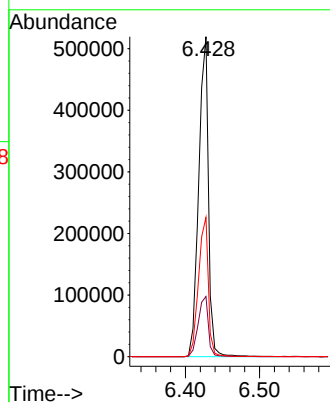
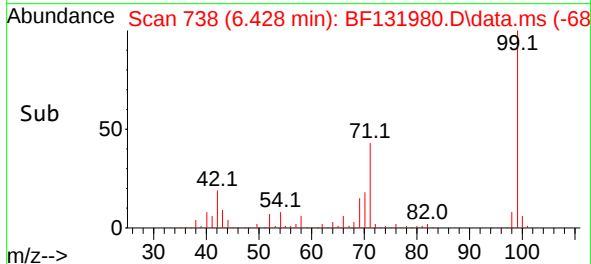
Instrument :
BNA_F
ClientSampleId :
PE-5



Tgt Ion: 99 Resp: 475191
Ion Ratio Lower Upper
99 100
42 18.8 15.4 23.2
71 43.5 34.6 51.8

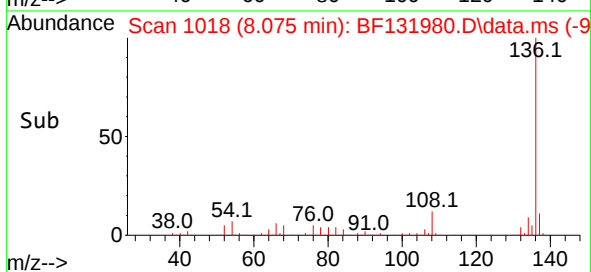
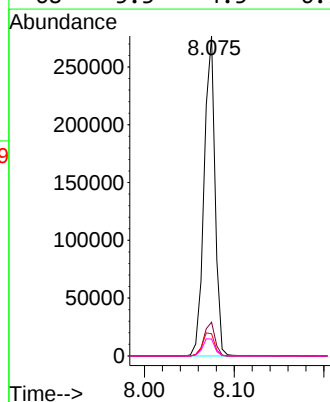
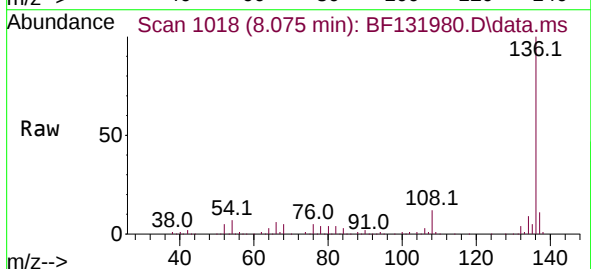
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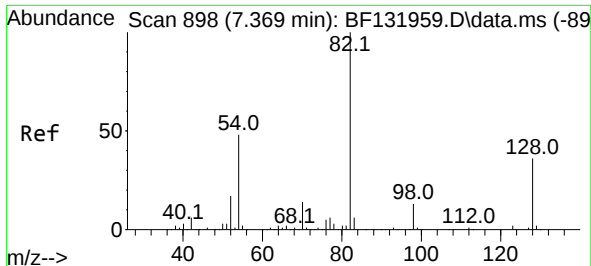
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:136 Resp: 233751
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.2
54 6.9 6.6 9.8
68 5.3 4.5 6.7





#23
Nitrobenzene-d5
Concen: 64.059 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

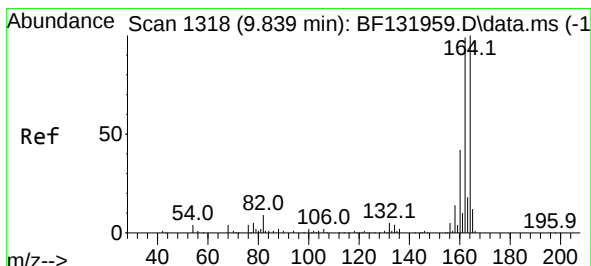
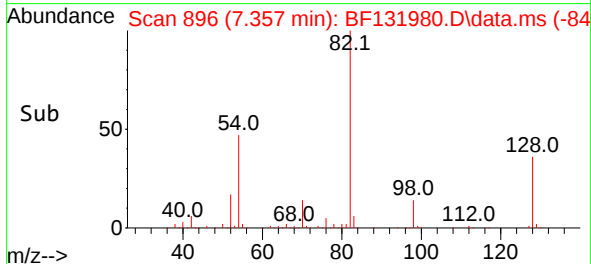
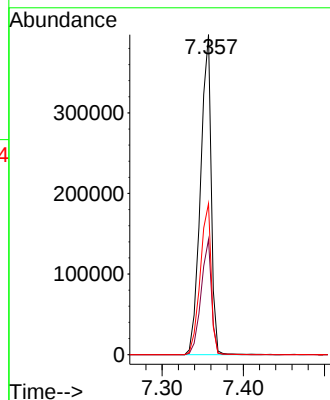
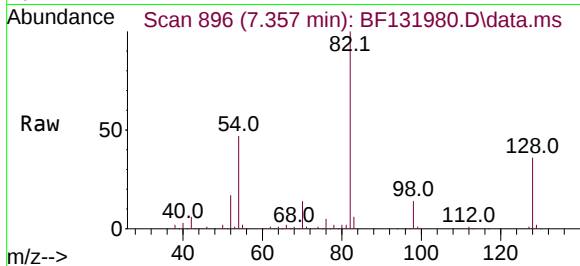
ClientSampleId :

PE-5

Tgt Ion: 82 Resp: 360786
Ion Ratio Lower Upper
82 100
128 36.0 28.7 43.1
54 47.2 38.1 57.1

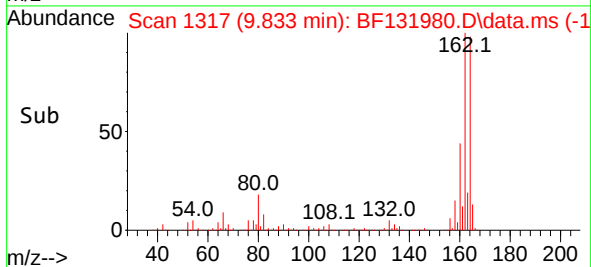
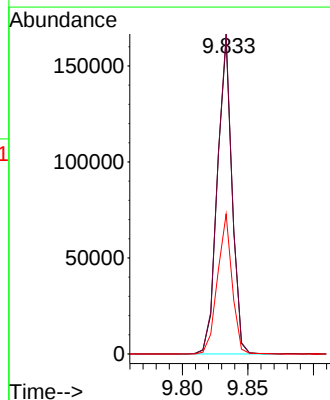
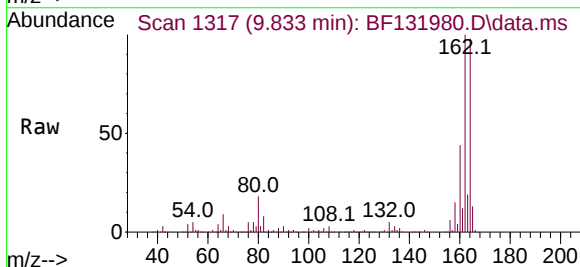
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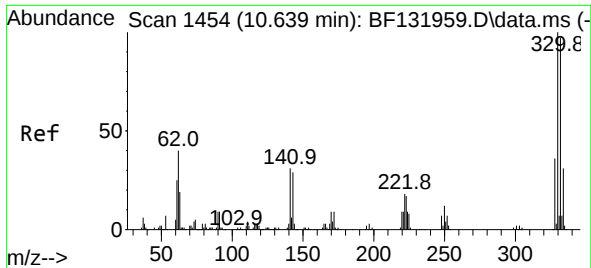
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:164 Resp: 127725
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 44.4 33.9 50.9





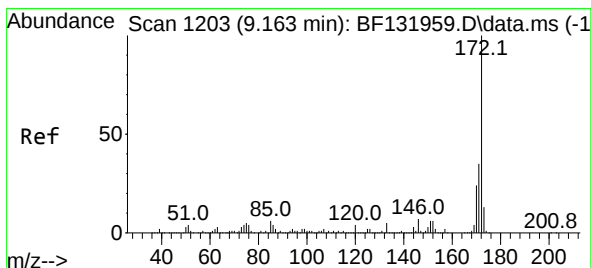
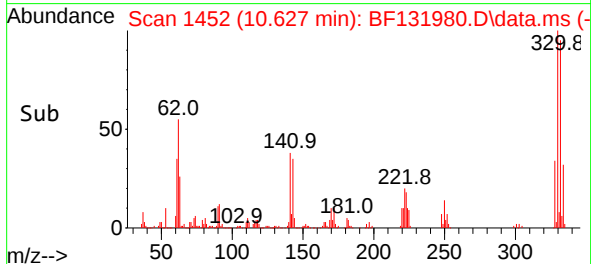
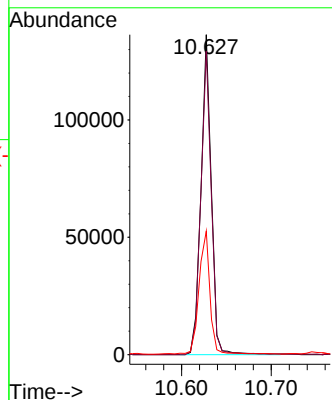
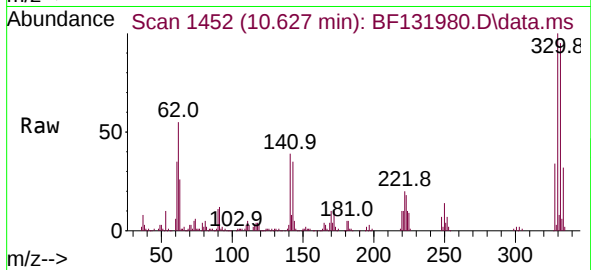
#42
2,4,6-Tribromophenol
Concen: 74.052 ng
RT: 10.627 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion: 330 Resp: 108750
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 41.3 31.3 46.9

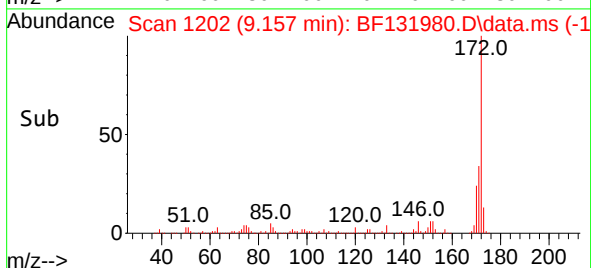
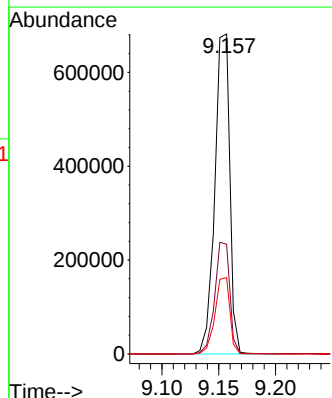
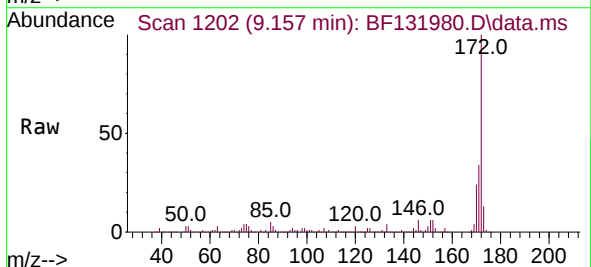
Manual Integrations
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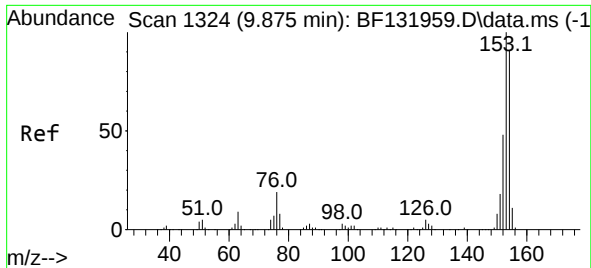
Reviewed By : Christian Giraldo 01/10/2023
Supervised By : Jagrut Upadhyay 01/10/2023



#45
2-Fluorobiphenyl
Concen: 66.264 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion: 172 Resp: 626945
Ion Ratio Lower Upper
172 100
171 34.3 28.0 42.0
170 23.9 18.9 28.3





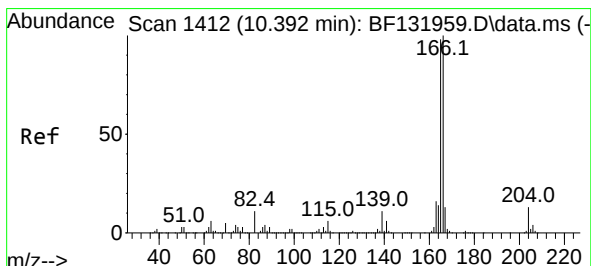
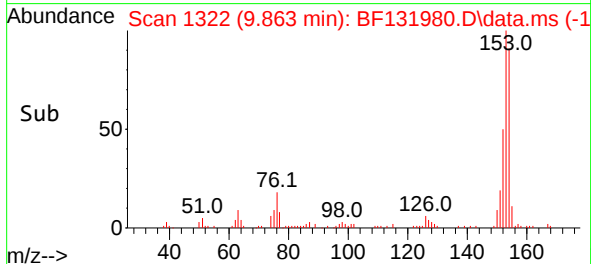
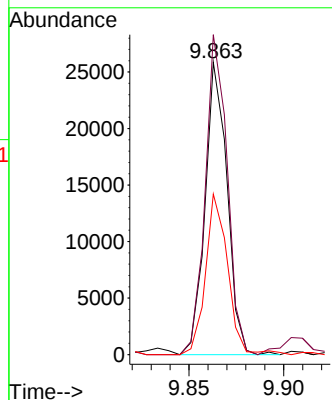
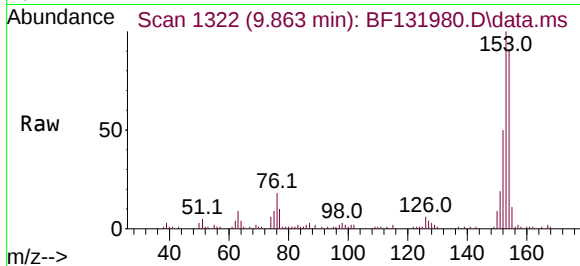
#52
Acenaphthene
Concen: 2.934 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion:154 Resp: 2091
Ion Ratio Lower Upper
154 100
153 109.5 87.7 131.5
152 54.9 42.2 63.2

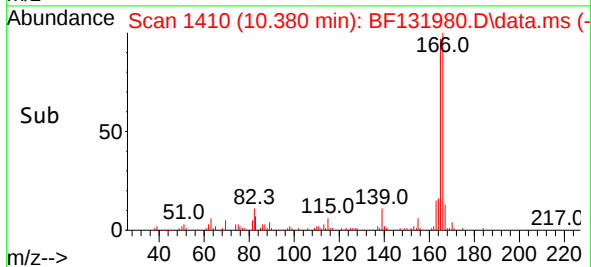
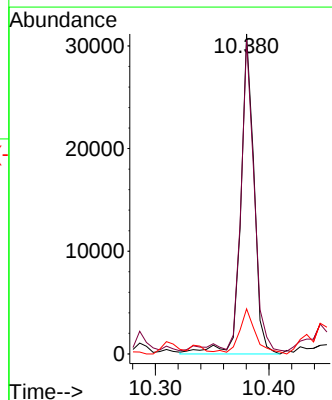
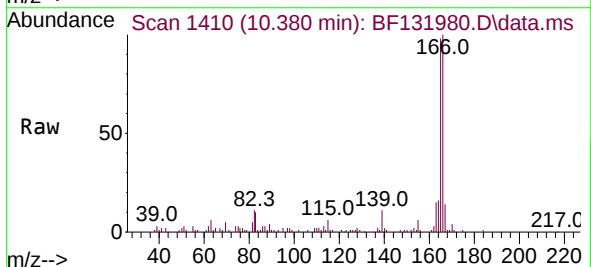
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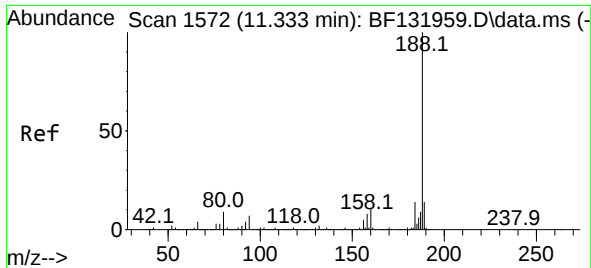
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#58
Fluorene
Concen: 2.815 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:166 Resp: 25260
Ion Ratio Lower Upper
166 100
165 98.0 78.3 117.5
167 14.1 10.7 16.1





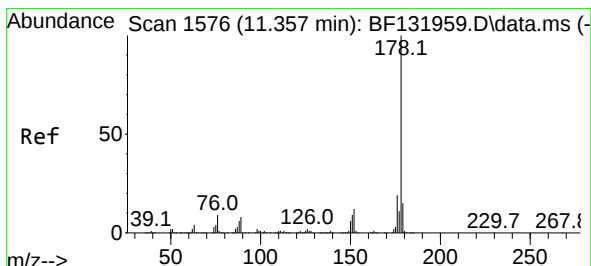
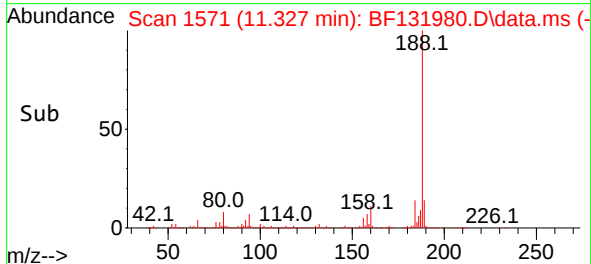
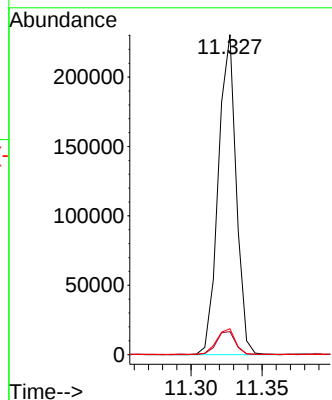
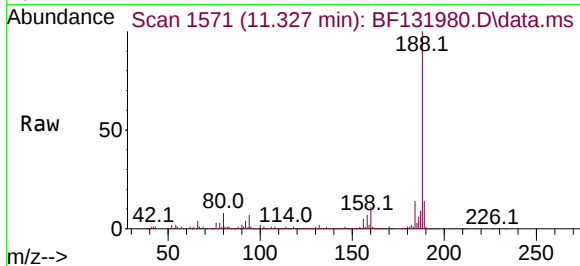
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion:188 Resp: 202192
Ion Ratio Lower Upper
188 100
94 7.2 5.8 8.6
80 8.1 7.4 11.0

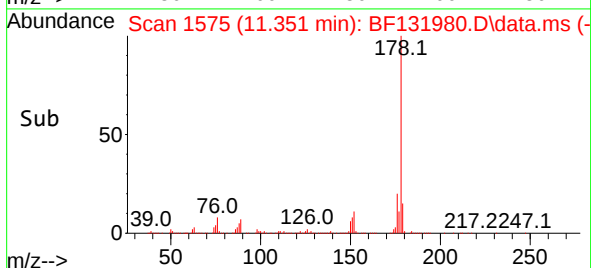
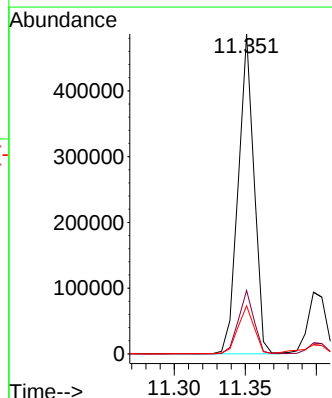
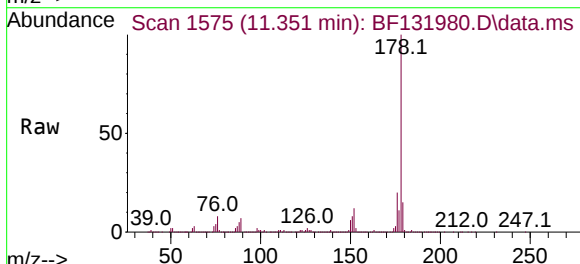
Manual Integrations
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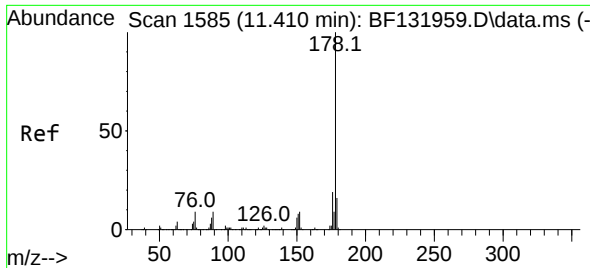
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#71
Phenanthrene
Concen: 35.599 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:178 Resp: 375227
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.1 12.4 18.6





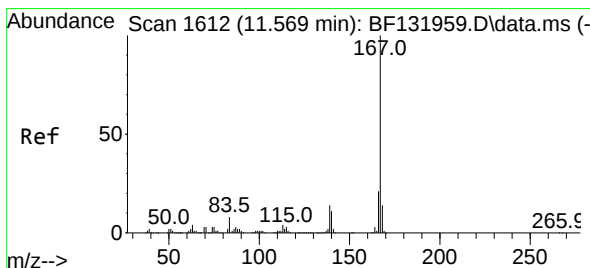
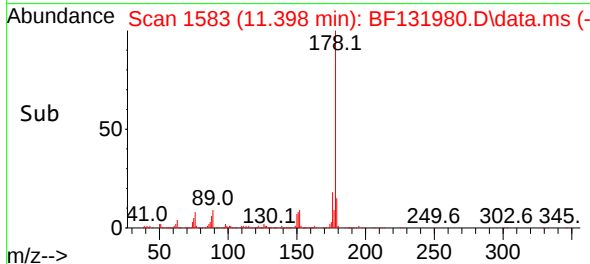
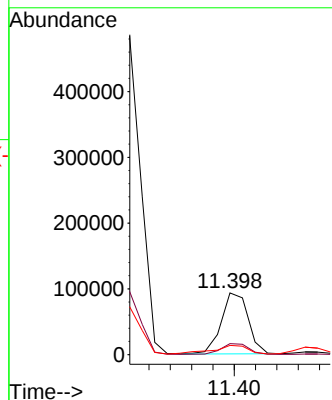
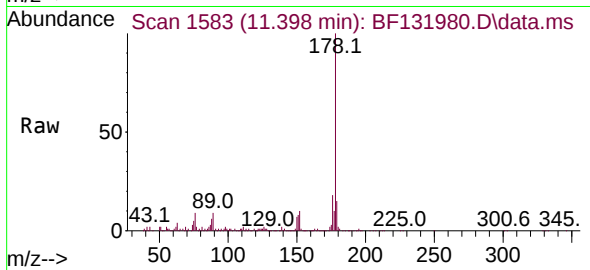
#72
 Anthracene
 Concen: 7.531 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF131980.D
 Acq: 10 Jan 2023 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Tgt Ion:178 Resp: 8172
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.3 22.9
 179 14.9 12.6 19.0

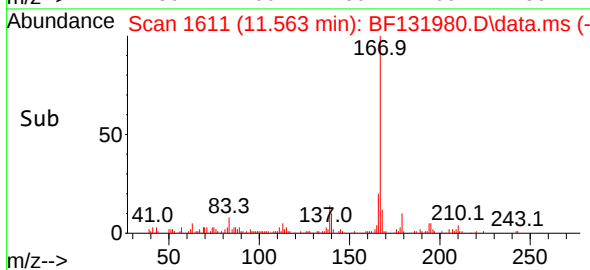
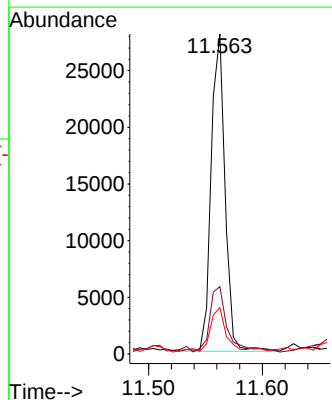
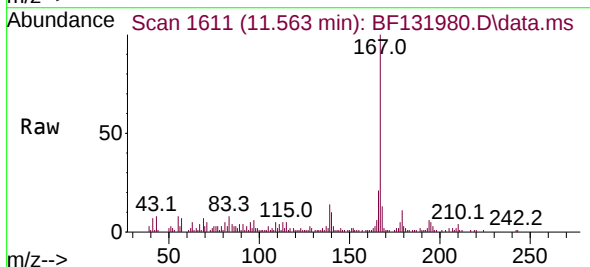
Manual Integrations
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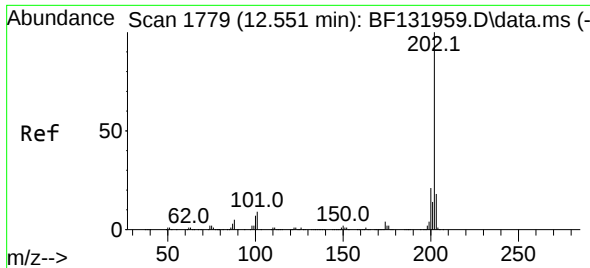
Reviewed By :Christian Giraldo 01/10/2023
 Supervised By :Jagrut Upadhyay 01/10/2023



#73
 Carbazole
 Concen: 2.666 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF131980.D
 Acq: 10 Jan 2023 00:13

Tgt Ion:167 Resp: 23950
 Ion Ratio Lower Upper
 167 100
 166 21.0 16.8 25.2
 139 14.4 11.1 16.7





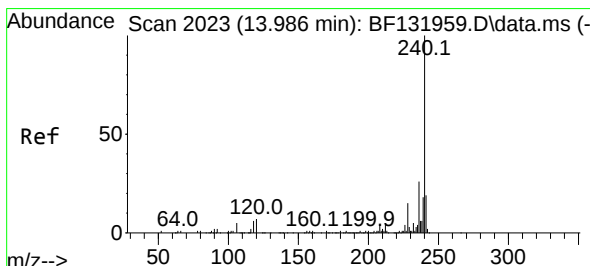
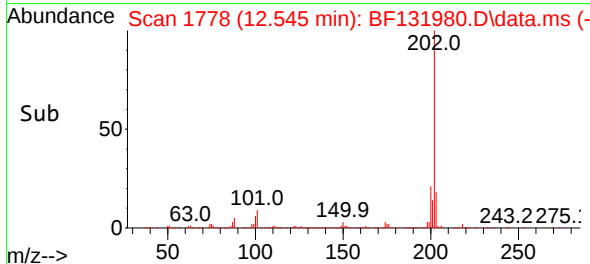
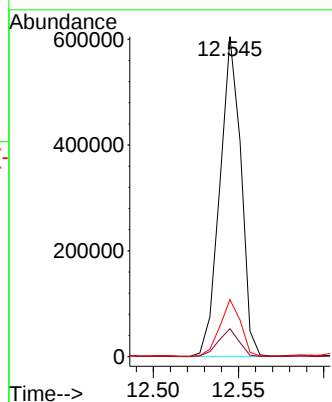
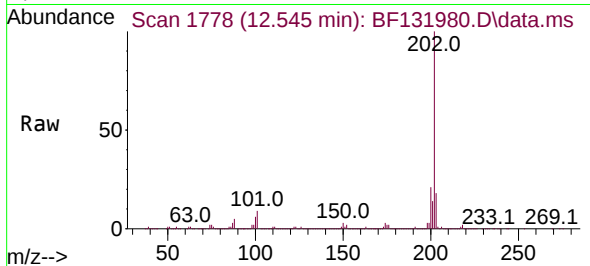
#75
Fluoranthene
Concen: 43.791 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion:202 Resp: 519099
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.8
203 17.8 0.0 37.6

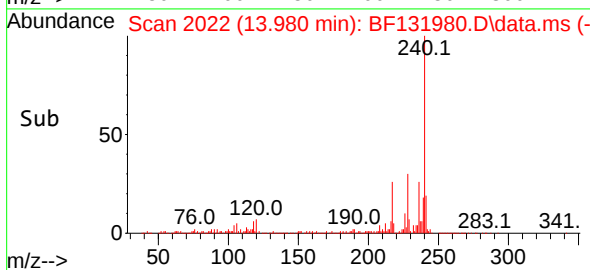
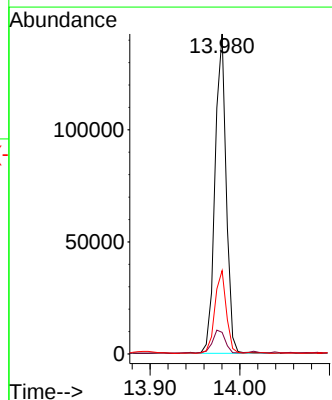
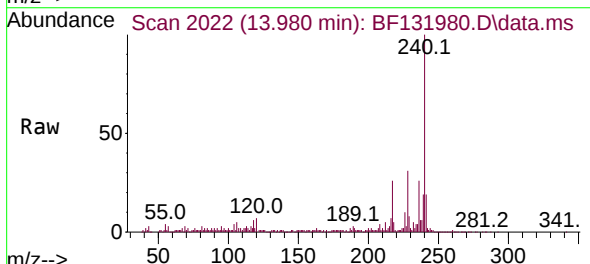
Manual Integrations
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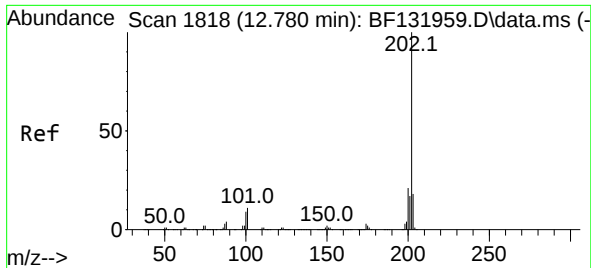
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

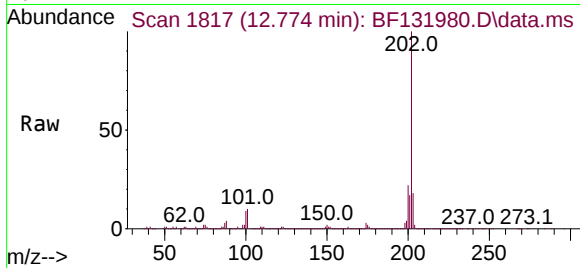
Tgt Ion:240 Resp: 123726
Ion Ratio Lower Upper
240 100
120 6.8 5.4 8.0
236 26.0 21.1 31.7





#78
Pyrene
Concen: 44.889 ng
RT: 12.774 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

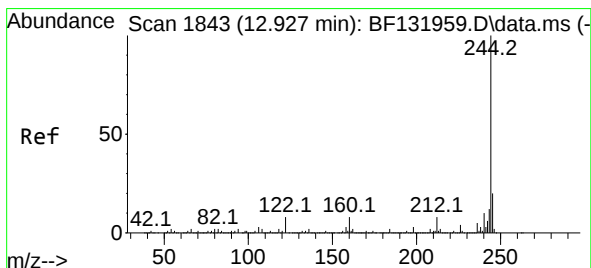
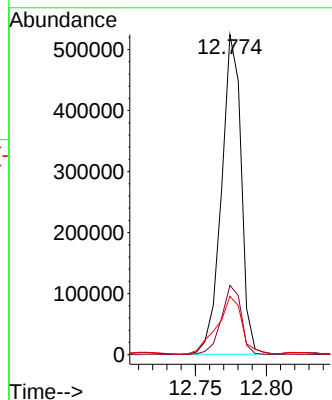
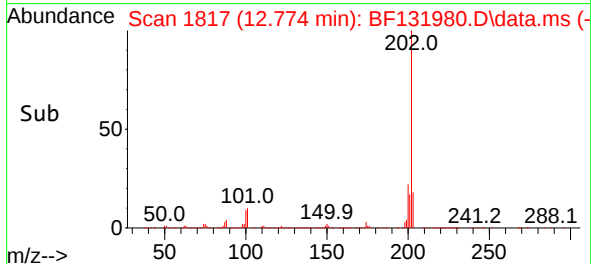
Instrument :
BNA_F
ClientSampleId :
PE-5



Tgt Ion:202 Resp: 506553
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 18.2 14.1 21.1

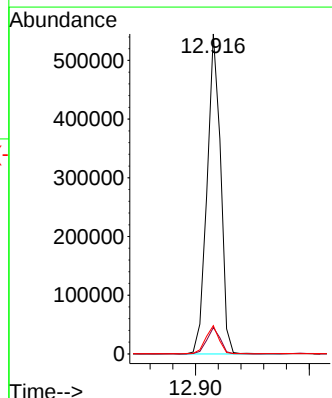
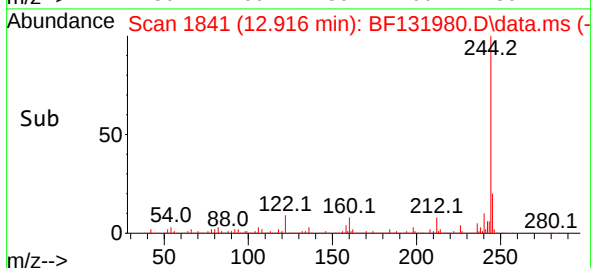
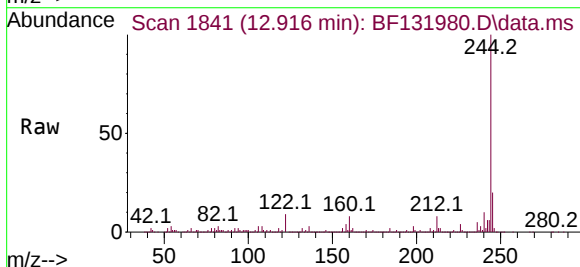
Manual Integrations
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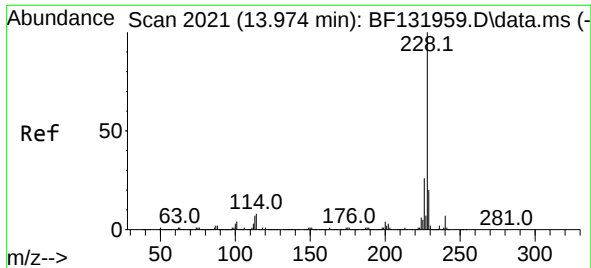
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#79
Terphenyl-d14
Concen: 52.414 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

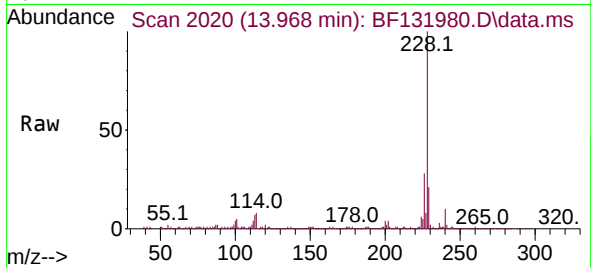
Tgt Ion:244 Resp: 452456
Ion Ratio Lower Upper
244 100
212 8.2 6.3 9.5
122 8.8 6.8 10.2





#81
Benzo(a)anthracene
Concen: 31.607 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

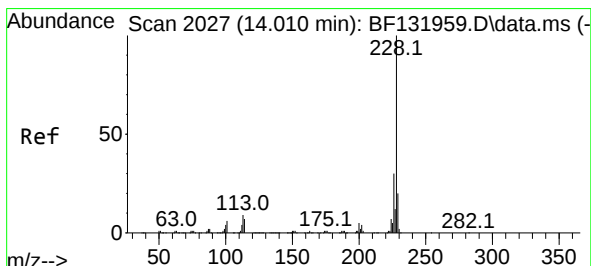
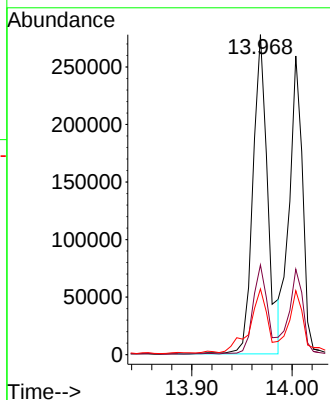
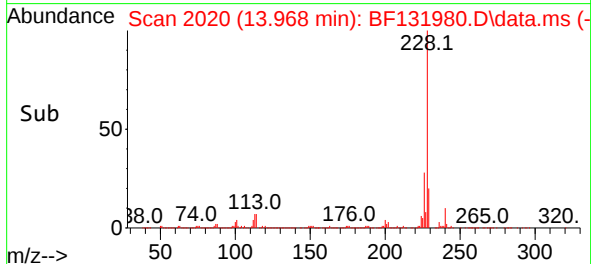
Instrument :
BNA_F
ClientSampleId :
PE-5



Tgt Ion:228 Resp: 284506
Ion Ratio Lower Upper
228 100
226 28.0 21.0 31.4
229 20.5 15.8 23.6

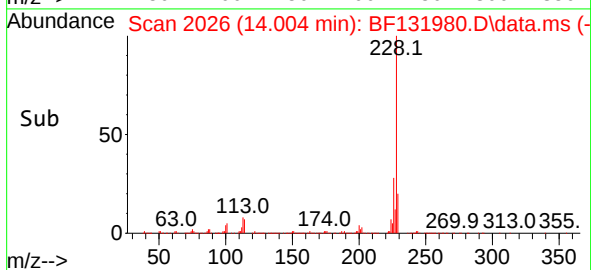
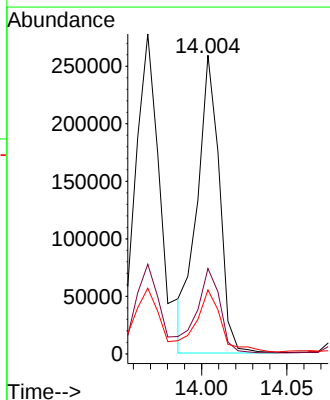
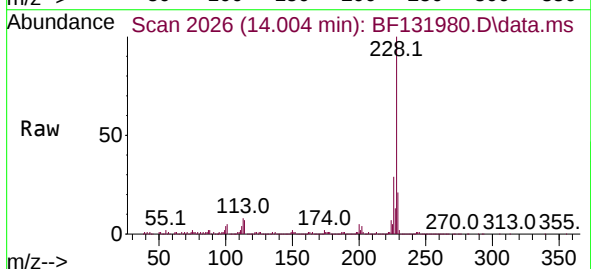
Manual Integrations
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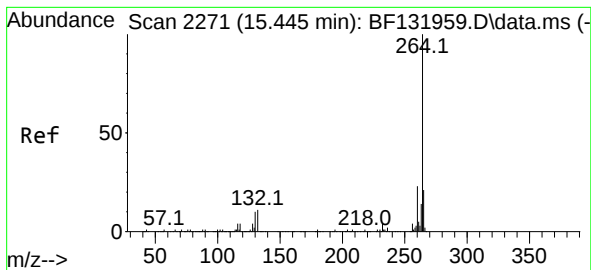
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#83
Chrysene
Concen: 28.127 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

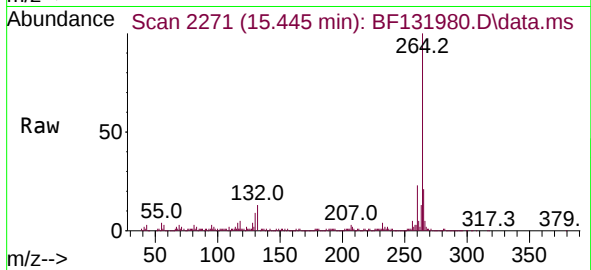
Tgt Ion:228 Resp: 236612
Ion Ratio Lower Upper
228 100
226 28.6 24.0 36.0
229 21.4 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

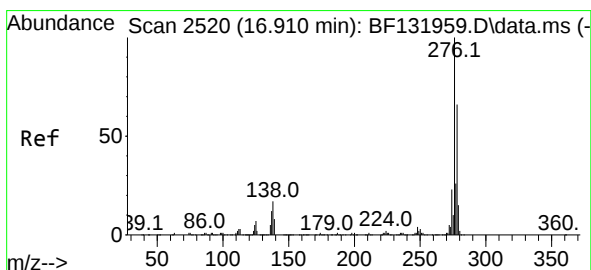
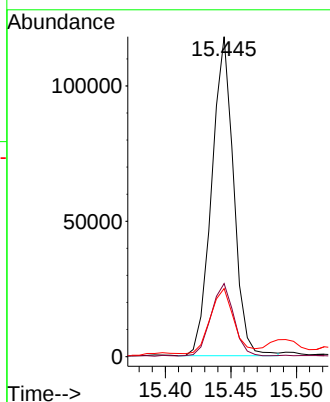
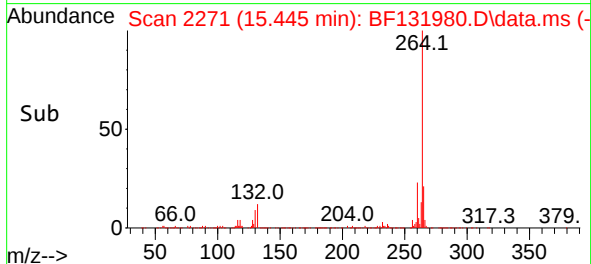
Instrument :
BNA_F
ClientSampleId :
PE-5



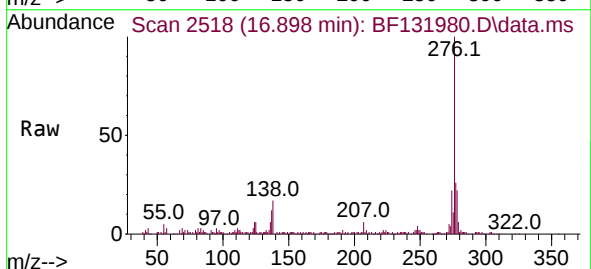
Tgt Ion:264 Resp: 137055
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 21.3 16.9 25.3

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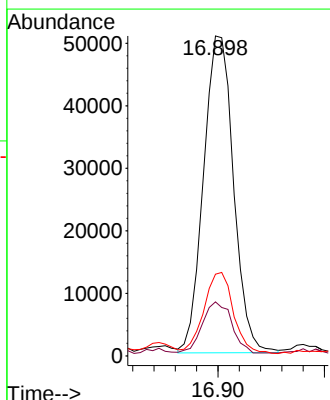
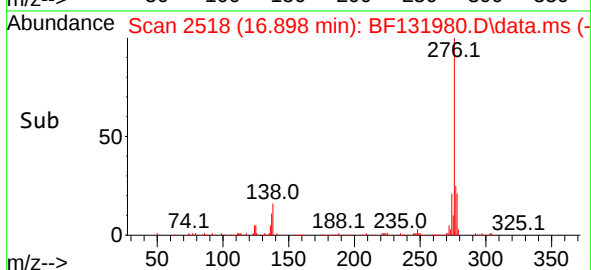
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023

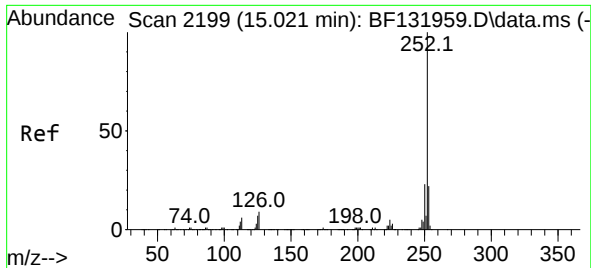


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.820 ng
RT: 16.898 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13



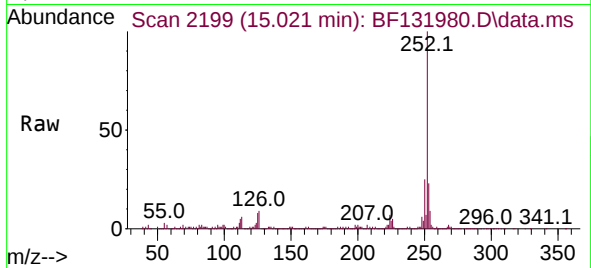
Tgt Ion:276 Resp: 99355
Ion Ratio Lower Upper
276 100
138 16.4 14.2 21.2
277 25.3 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 30.602 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

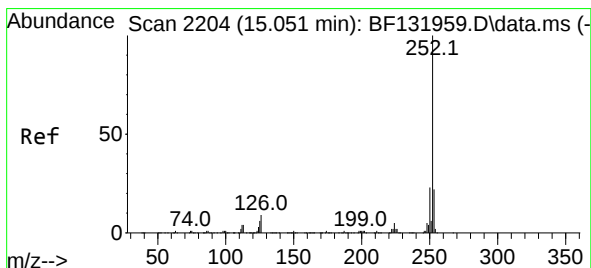
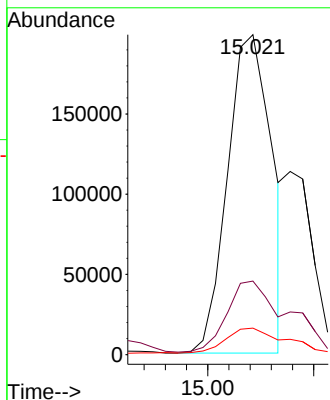
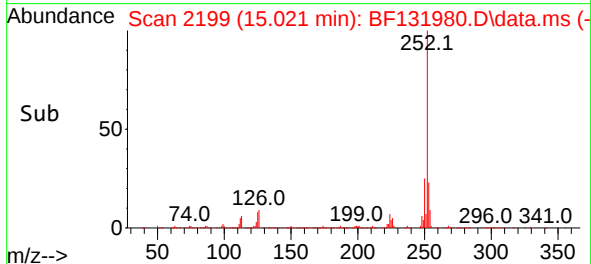
Instrument :
BNA_F
ClientSampleId :
PE-5



Tgt Ion:252 Resp: 28766
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 8.3 5.8 8.6

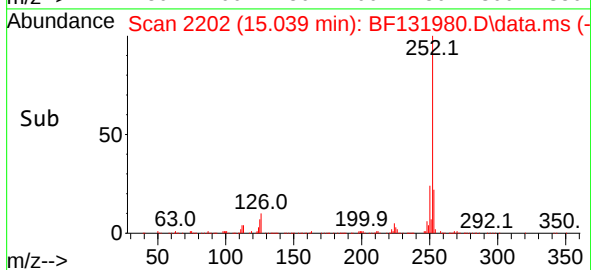
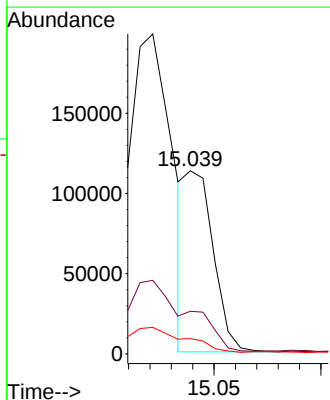
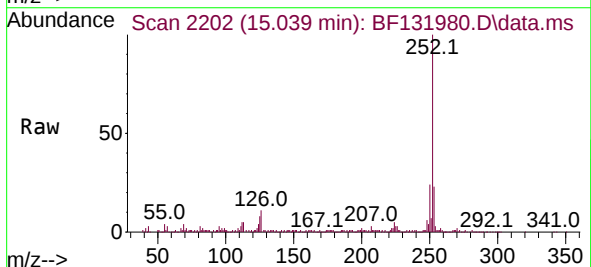
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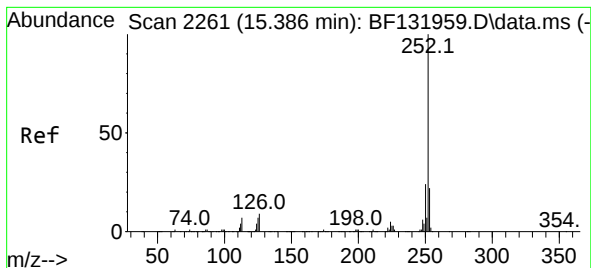
Reviewed By :Christian Giraldo 01/10/2023
Supervised By :Jagrut Upadhyay 01/10/2023



#89
Benzo(k)fluoranthene
Concen: 10.981 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF131980.D
Acq: 10 Jan 2023 00:13

Tgt Ion:252 Resp: 103016
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 8.4 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 26.515 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

Instrument :

BNA_F

ClientSampleId :

PE-5

Tgt Ion:252 Resp: 224574

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

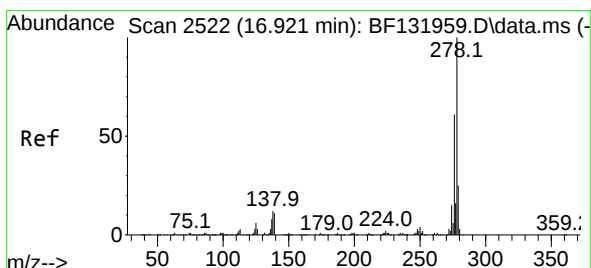
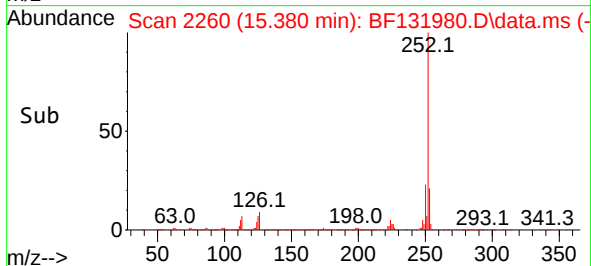
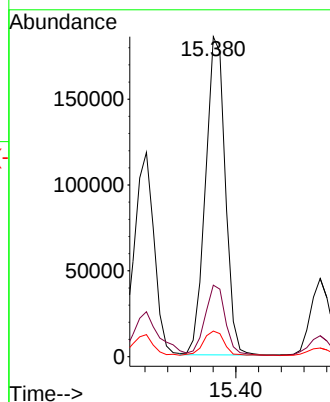
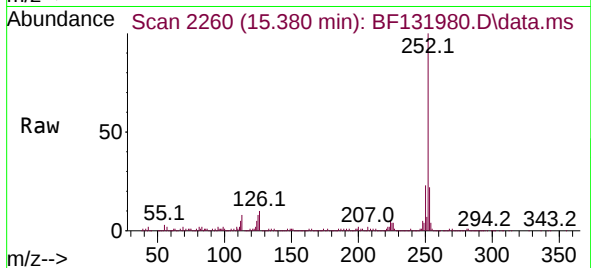
125 8.0 5.7 8.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.085 ng m

RT: 16.909 min Scan# 2520

Delta R.T. -0.012 min

Lab File: BF131980.D

Acq: 10 Jan 2023 00:13

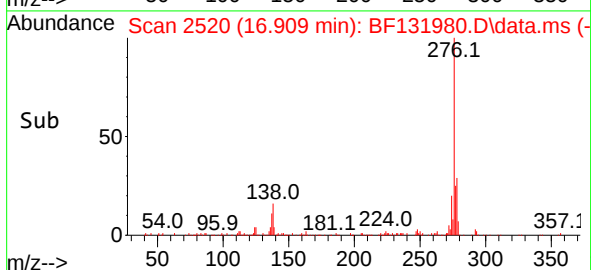
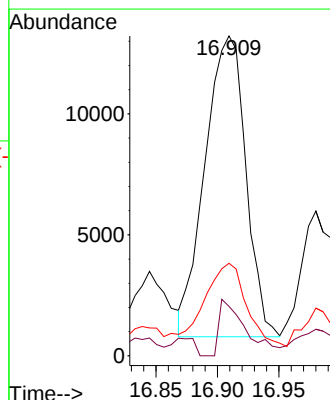
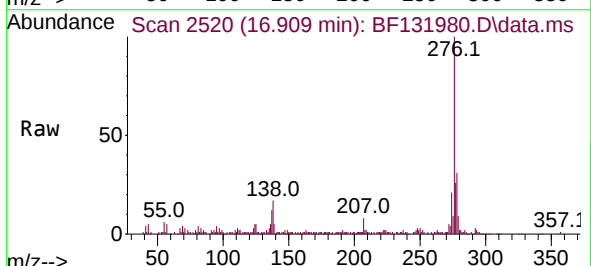
Tgt Ion:278 Resp: 28783

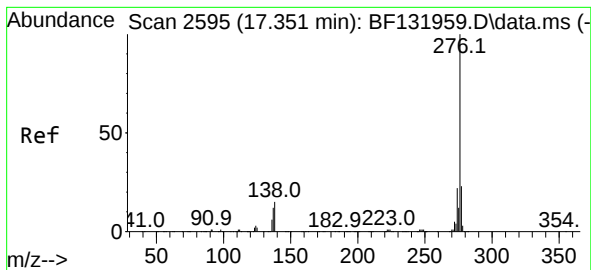
Ion Ratio Lower Upper

278 100

139 15.5 8.8 13.2#

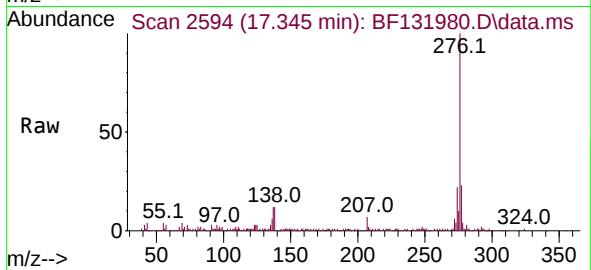
279 28.9 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 14.710 ng
 RT: 17.345 min Scan# 2594
 Delta R.T. -0.006 min
 Lab File: BF131980.D
 Acq: 10 Jan 2023 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PE-5



Tgt Ion: 276 Resp: 91082
 Ion Ratio Lower Upper
 276 100
 277 22.7 18.2 27.2
 138 12.3 11.7 17.5

Manual Integrations
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Reviewed By : Christian Giraldo 01/10/2023
 Supervised By : Jagrut Upadhyay 01/10/2023

