

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
 Data File : BF130457.D
 Acq On : 28 Sep 2022 20:24
 Operator : CG\JU
 Sample : N4850-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-SP-2

Quant Time: Sep 29 02:18:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 09/29/2022
 Supervised By : Jagrut Upadhyay 09/29/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.651	152	91605	20.000	ng	0.00
21) Naphthalene-d8	7.934	136	300615	20.000	ng	# 0.00
39) Acenaphthene-d10	9.692	164	146078	20.000	ng	0.01
64) Phenanthrene-d10	11.181	188	255881	20.000	ng	# 0.02
76) Chrysene-d12	13.833	240	184959	20.000	ng	# 0.04
86) Perylene-d12	15.245	264	161260	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	222548	42.138	ng	0.00
7) Phenol-d6	6.287	99	255598	38.678	ng	0.00
23) Nitrobenzene-d5	7.210	82	161482	27.443	ng	0.00
42) 2,4,6-Tribromophenol	10.481	330	64326	45.957	ng	0.01
45) 2-Fluorobiphenyl	9.016	172	248795	24.801	ng	0.00
79) Terphenyl-d14	12.769	244	319496	28.614	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.651	142	33721	3.415	ng	91
38) 1-Methylnaphthalene	8.751	142	25663m	2.705	ng	
52) Acenaphthene	9.722	154	21261	2.445	ng	# 77
71) Phenanthrene	11.204	178	73578	5.122	ng	# 77
75) Fluoranthene	12.392	202	104091	7.498	ng	84
78) Pyrene	12.622	202	253886	15.691	ng	# 93
81) Benzo(a)anthracene	13.822	228	181006	14.711	ng	# 70
83) Chrysene	13.857	228	320165	27.404	ng	# 76
87) Indeno(1,2,3-cd)pyrene	16.580	276	107002	9.357	ng	98
88) Benzo(b)fluoranthene	14.851	252	245070m	23.284	ng	
89) Benzo(k)fluoranthene	14.868	252	29398m	2.839	ng	
90) Benzo(a)pyrene	15.186	252	238833	28.642	ng	# 71
91) Dibenzo(a,h)anthracene	16.586	278	120477	12.842	ng	# 73
92) Benzo(g,h,i)perylene	16.992	276	183323	19.399	ng	94

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

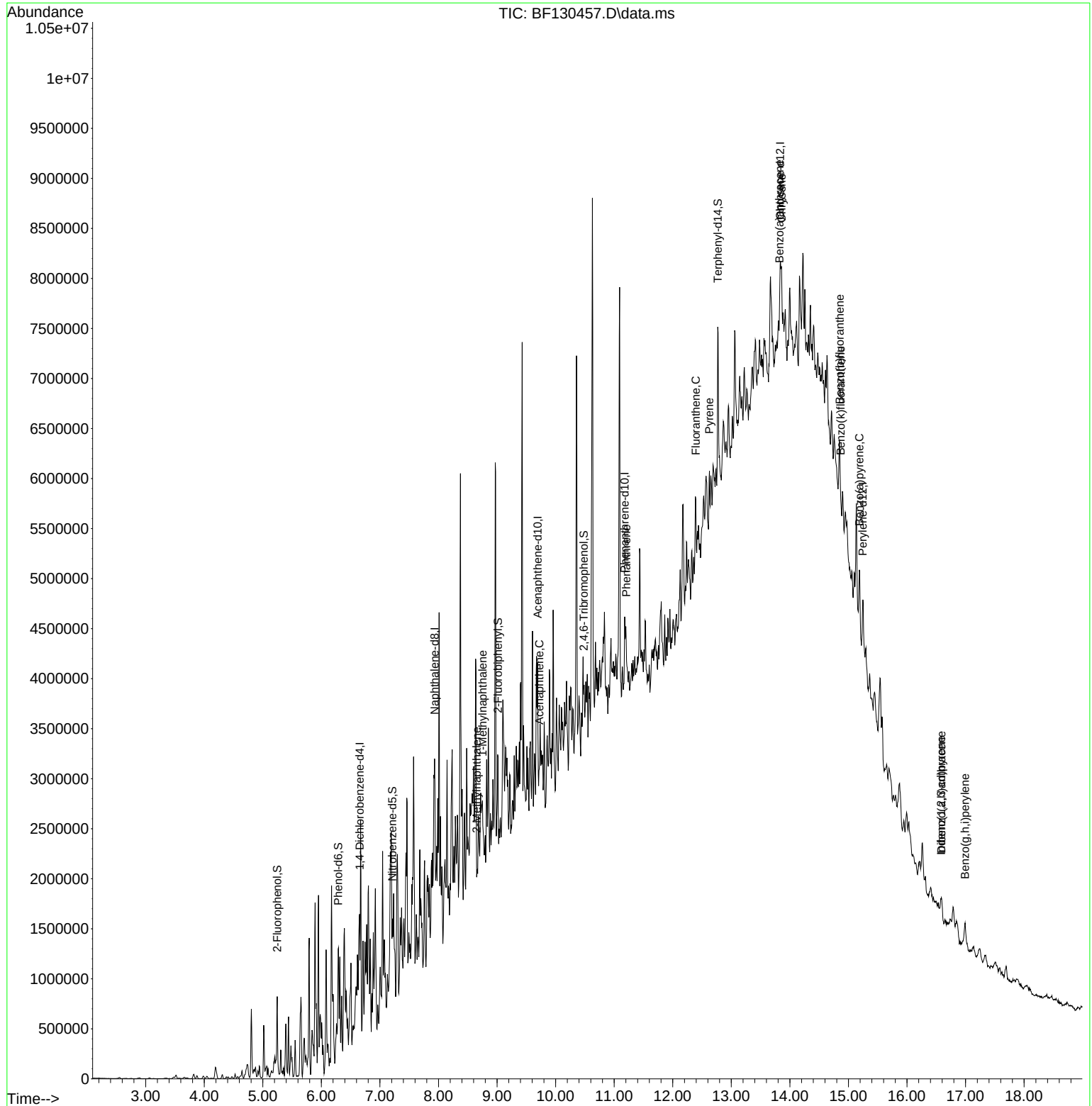
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092822\
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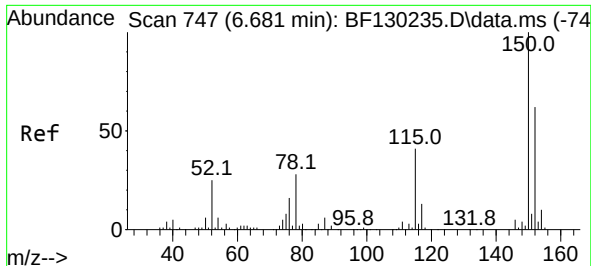
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BNA_F
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WC-14B-SP-2

Quant Time: Sep 29 02:18:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
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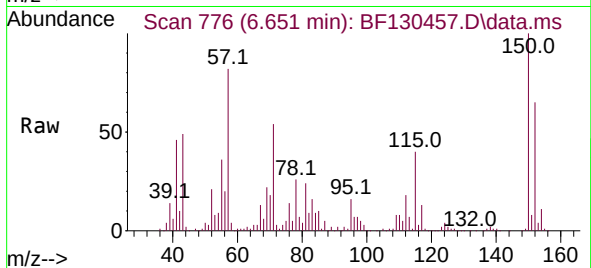
Reviewed By : Christian Giraldo 09/29/2022
Supervised By : Jagrut Upadhyay 09/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.651 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

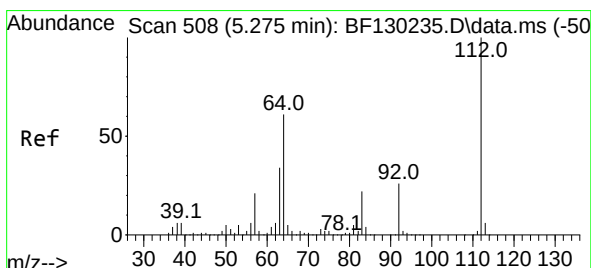
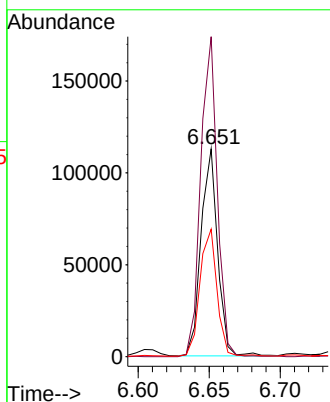
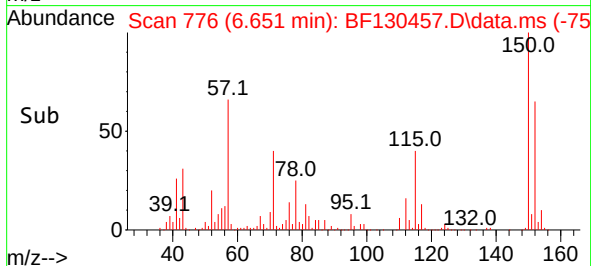
Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2



Tgt Ion:152 Resp: 91605
Ion Ratio Lower Upper
152 100
150 154.0 122.8 184.2
115 61.4 53.8 80.8

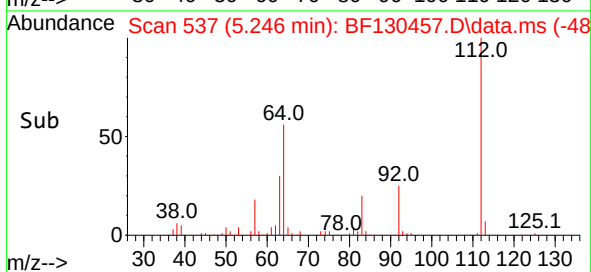
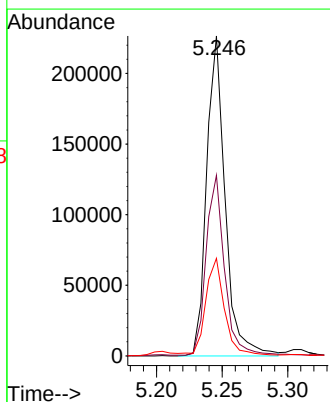
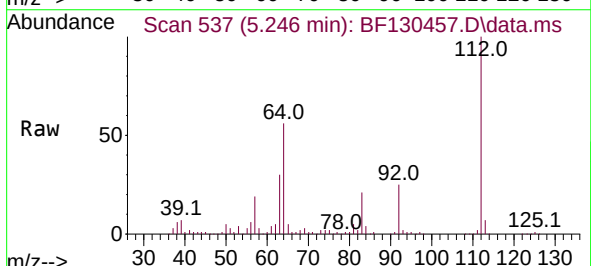
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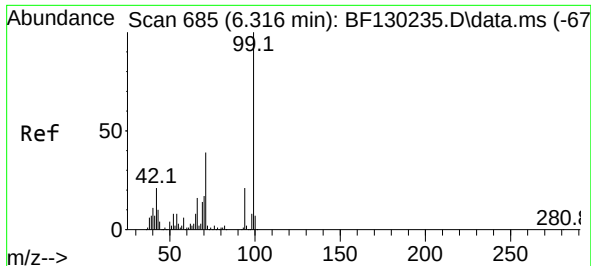
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#5
2-Fluorophenol
Concen: 42.138 ng
RT: 5.246 min Scan# 537
Delta R.T. 0.000 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

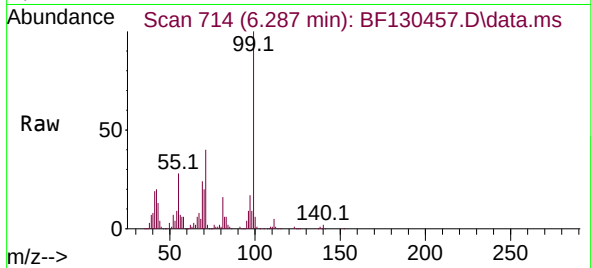
Tgt Ion:112 Resp: 222548
Ion Ratio Lower Upper
112 100
64 56.4 51.4 77.0
63 30.5 28.8 43.2





#7
Phenol-d6
Concen: 38.678 ng
RT: 6.287 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

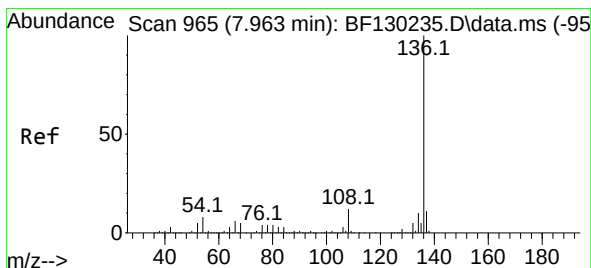
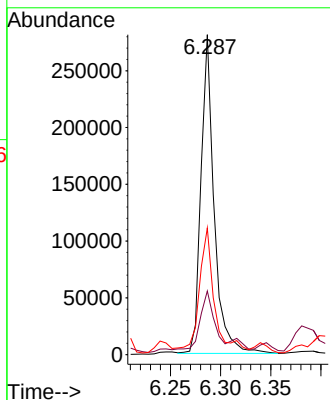
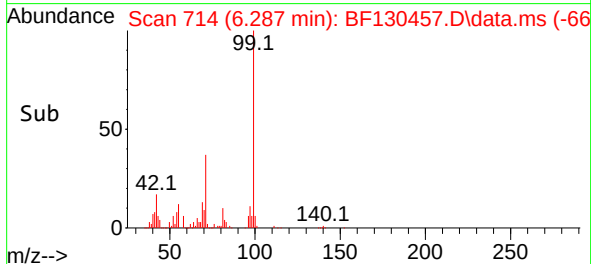
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 255598
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.6
71 39.6 32.3 48.5

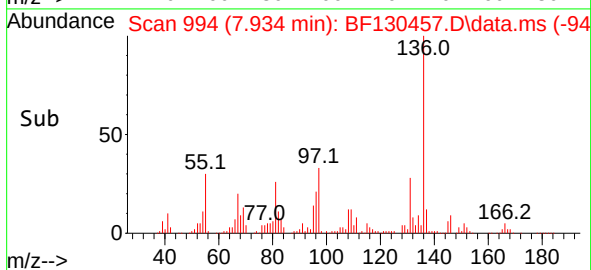
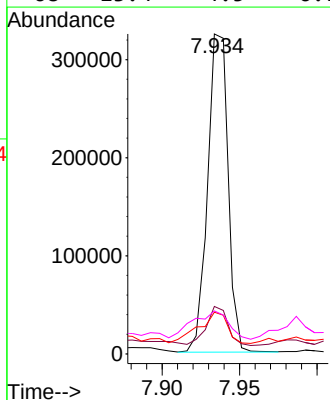
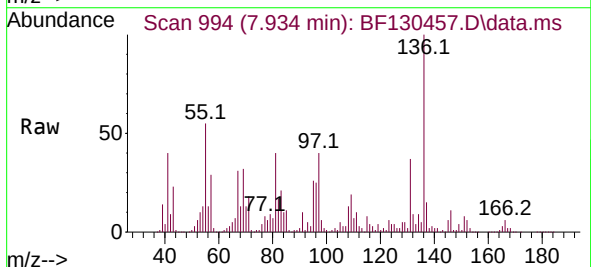
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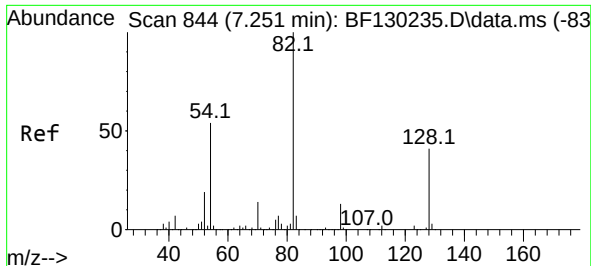
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.934 min Scan# 994
Delta R.T. 0.006 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

Tgt Ion:136 Resp: 300615
Ion Ratio Lower Upper
136 100
137 14.9 9.1 13.7#
54 13.0 7.1 10.7#
68 13.4 4.5 6.7#





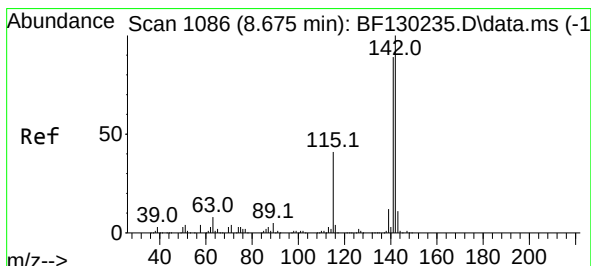
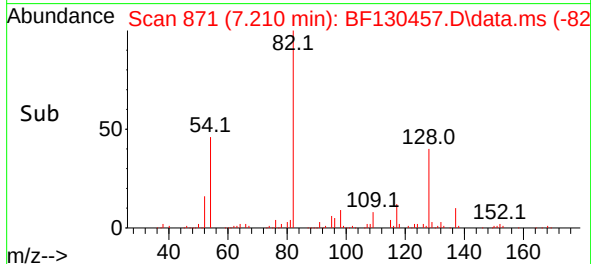
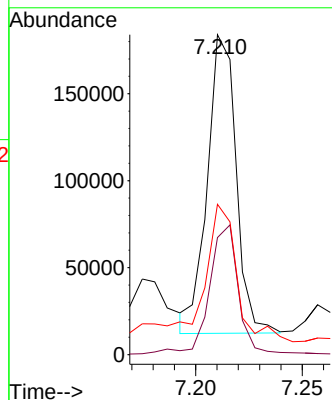
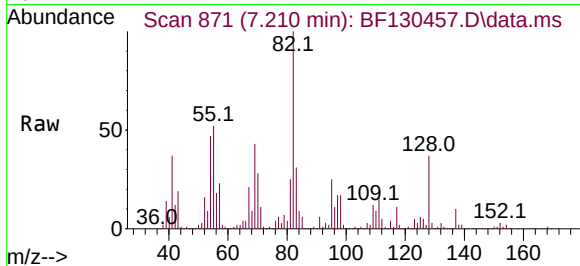
#23
Nitrobenzene-d5
Concen: 27.443 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2

Tgt Ion: 82 Resp: 161482
Ion Ratio Lower Upper
82 100
128 36.6 32.6 49.0
54 47.0 43.8 65.6

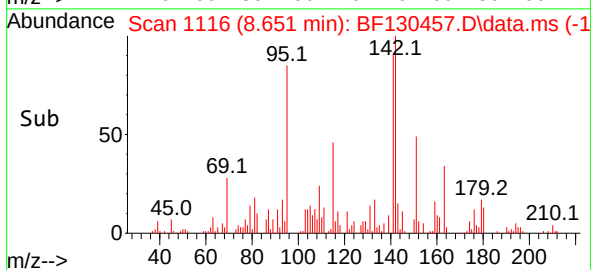
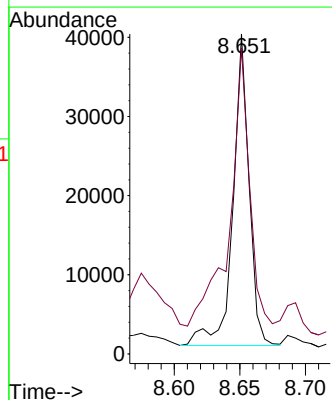
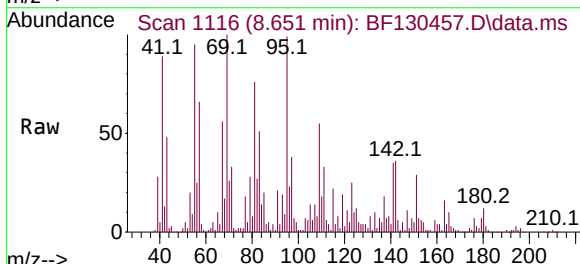
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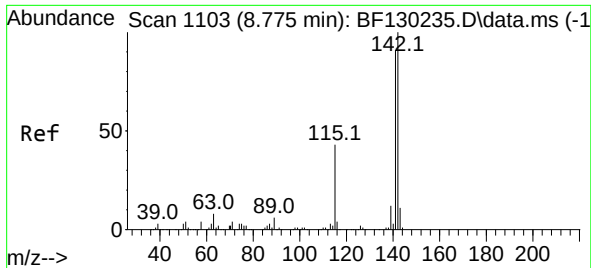
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#37
2-Methylnaphthalene
Concen: 3.415 ng
RT: 8.651 min Scan# 1116
Delta R.T. 0.012 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

Tgt Ion:142 Resp: 33721
Ion Ratio Lower Upper
142 100
141 95.6 70.0 105.0





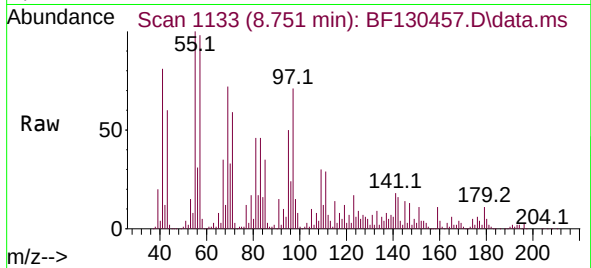
#38
1-Methylnaphthalene
Concen: 2.705 ng m
RT: 8.751 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

Instrument :

BNA_F

ClientSampleId :

WC-14B-SP-2

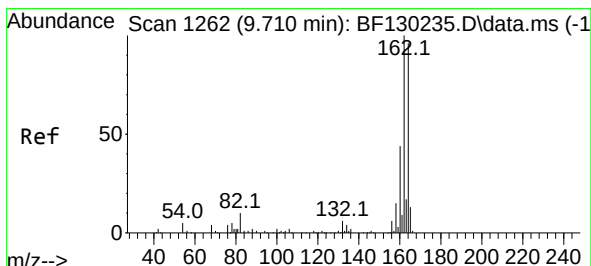
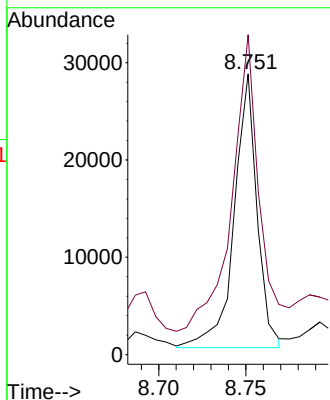
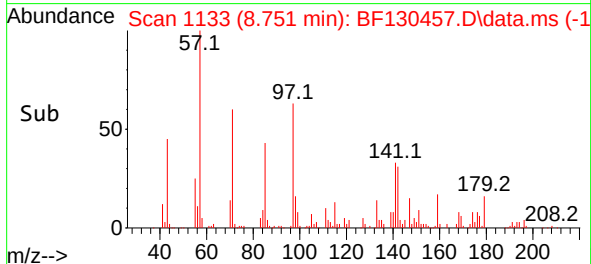


Tgt Ion:142 Resp: 25663
Ion Ratio Lower Upper
142 100
141 114.0 73.8 110.8

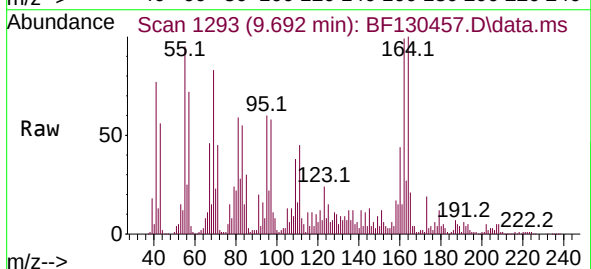
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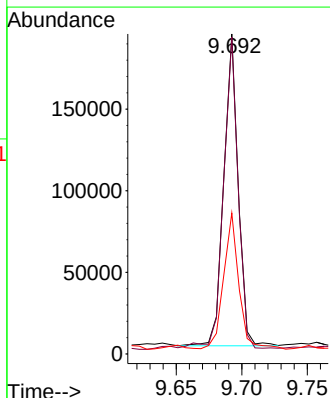
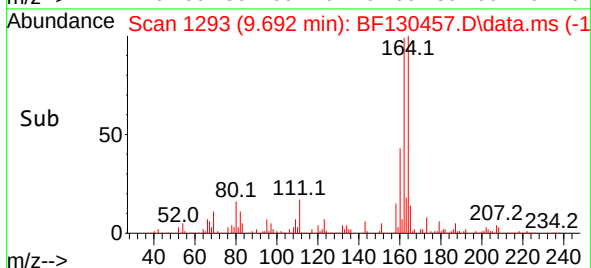
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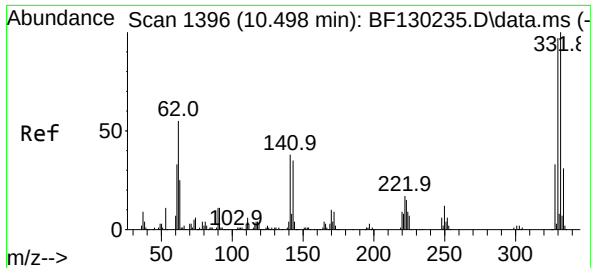


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.012 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24



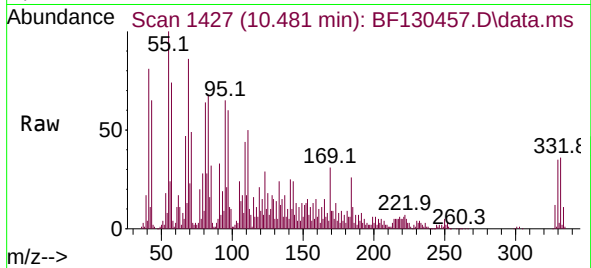
Tgt Ion:164 Resp: 146078
Ion Ratio Lower Upper
164 100
162 99.0 81.4 122.0
160 44.0 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 45.957 ng
RT: 10.481 min Scan# 141
Delta R.T. 0.012 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

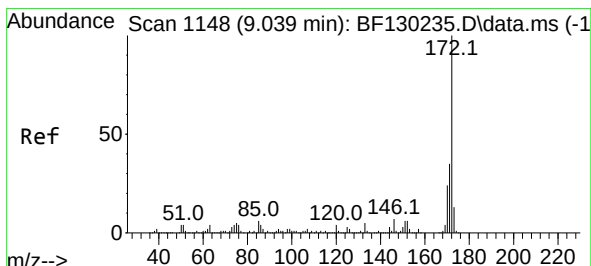
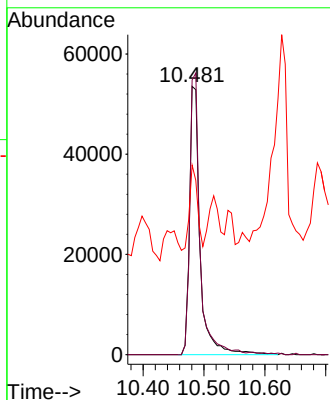
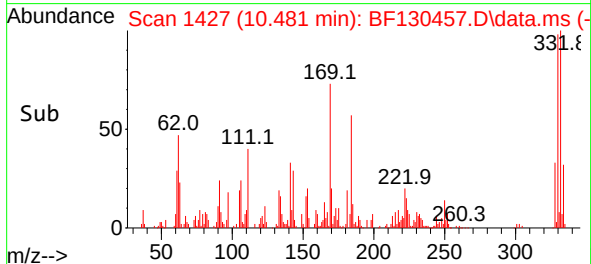
Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2



Tgt Ion: 330 Resp: 64326
Ion Ratio Lower Upper
330 100
332 101.7 83.4 125.2
141 23.6 34.0 51.0

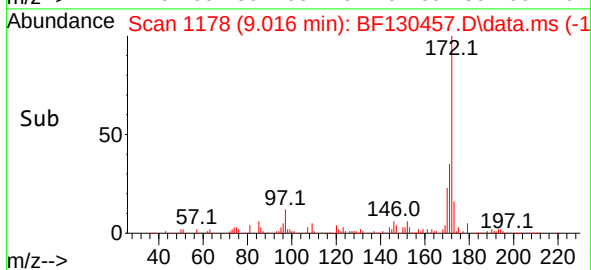
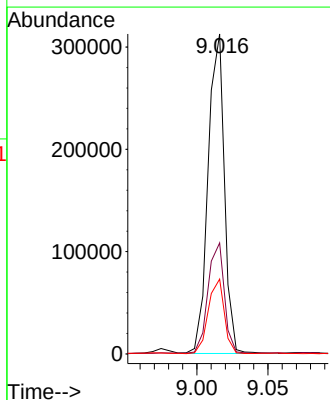
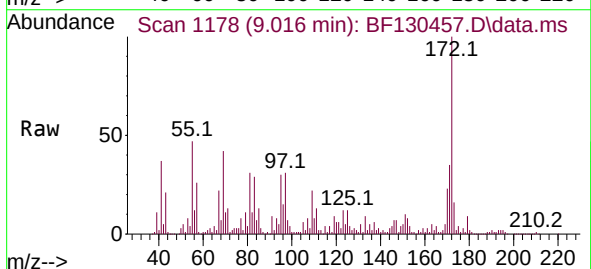
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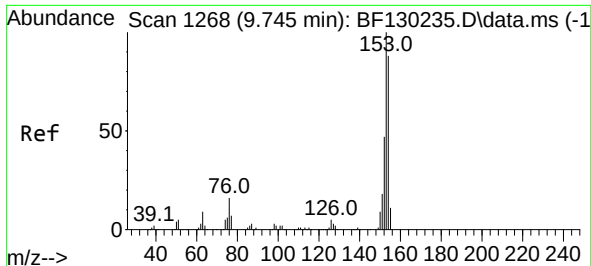
Reviewed By : Christian Giraldo 09/29/2022
Supervised By : Jagrut Upadhyay 09/29/2022



#45
2-Fluorobiphenyl
Concen: 24.801 ng
RT: 9.016 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

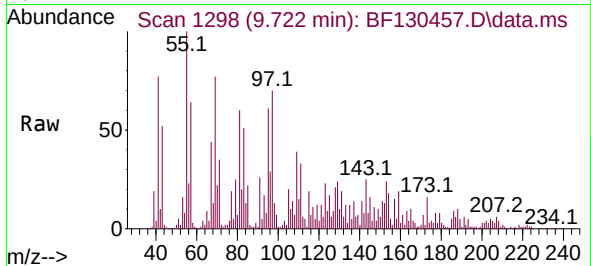
Tgt Ion: 172 Resp: 248795
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.4 18.7 28.1





#52
Acenaphthene
Concen: 2.445 ng
RT: 9.722 min Scan# 1268
Delta R.T. 0.006 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

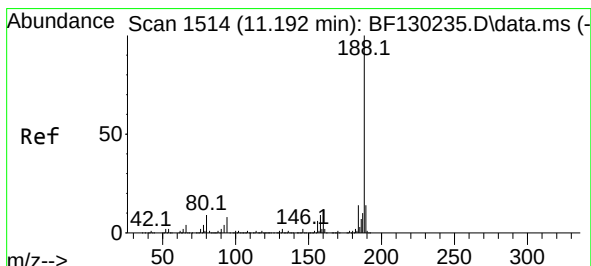
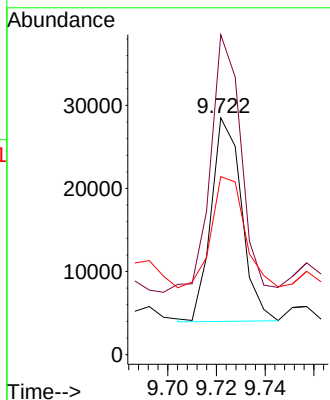
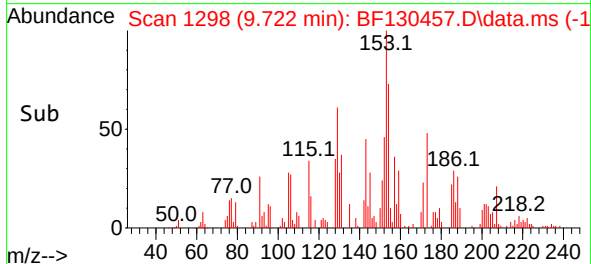
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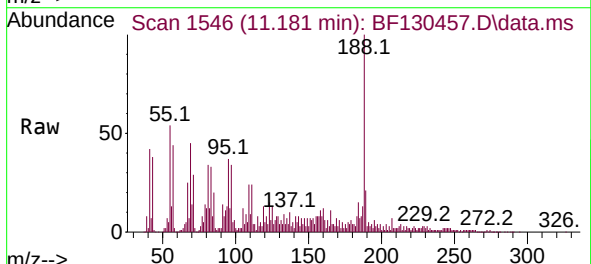
Tgt Ion:154 Resp: 21263
Ion Ratio Lower Upper
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153 135.2 90.6 136.0
152 75.2 43.8 65.6

Manual Integrations
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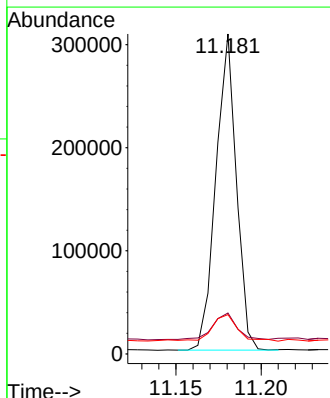
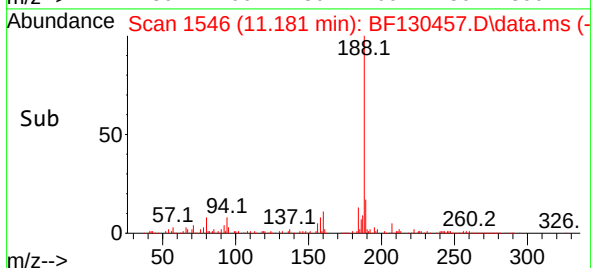
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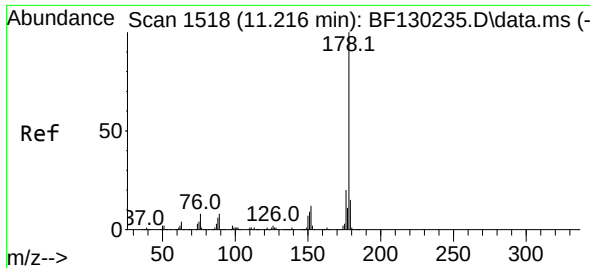


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.181 min Scan# 1546
Delta R.T. 0.024 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24



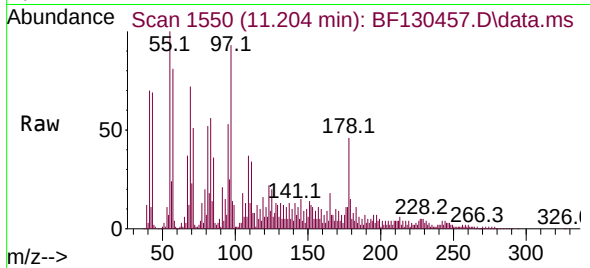
Tgt Ion:188 Resp: 255881
Ion Ratio Lower Upper
188 100
94 12.8 7.4 11.2#
80 12.3 7.9 11.9#





#71
Phenanthrene
Concen: 5.122 ng
RT: 11.204 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

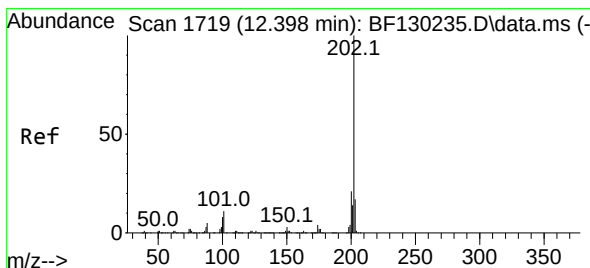
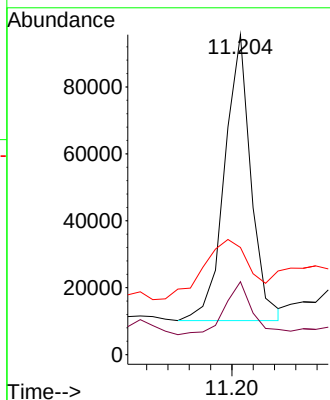
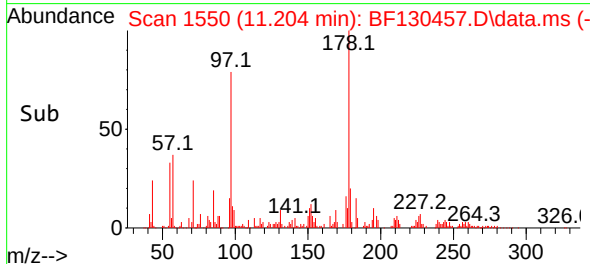
Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2



Tgt Ion:178 Resp: 73578
Ion Ratio Lower Upper
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176 22.8 15.4 23.0
179 33.5 12.4 18.6

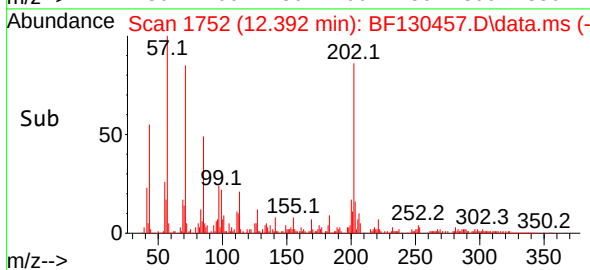
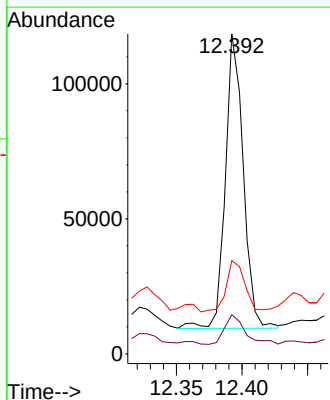
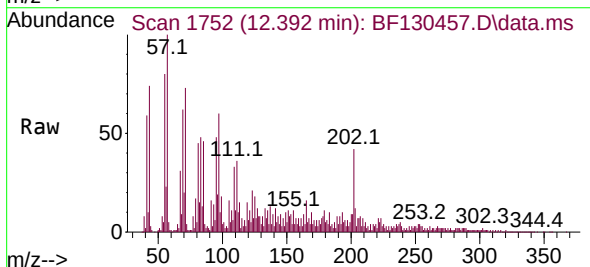
Manual Integrations
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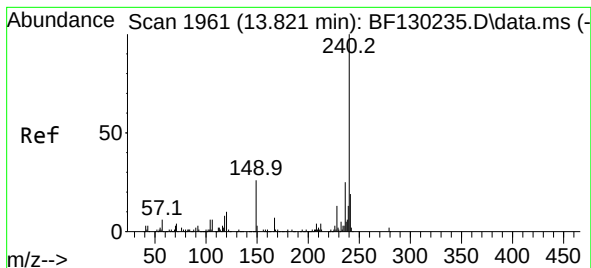
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#75
Fluoranthene
Concen: 7.498 ng
RT: 12.392 min Scan# 1752
Delta R.T. 0.024 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

Tgt Ion:202 Resp: 104091
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.8
203 29.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.833 min Scan# 1961

Delta R.T. 0.041 min

Lab File: BF130457.D

Acq: 28 Sep 2022 20:24

Instrument :

BNA_F

ClientSampleId :

WC-14B-SP-2

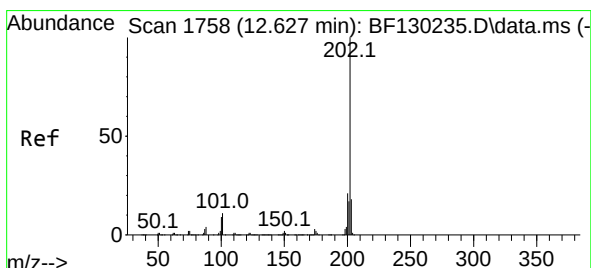
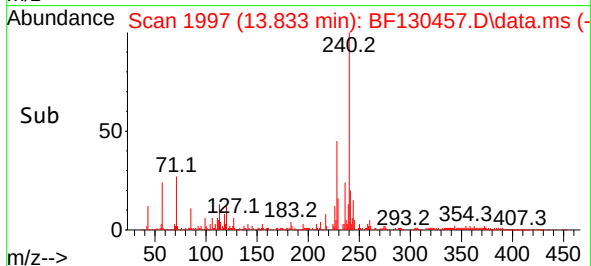
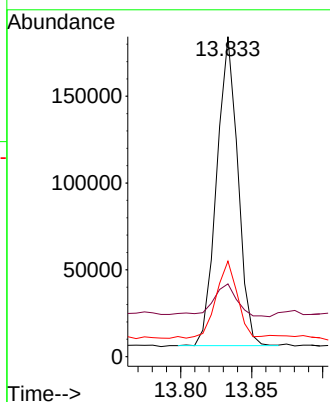
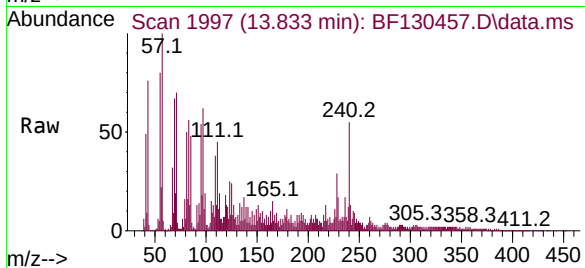
Tgt Ion:240 Resp: 184959
 Ion Ratio Lower Upper
 240 100
 120 22.7 8.7 13.1
 236 29.8 20.9 31.3

Manual Integrations

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Reviewed By :Christian Giraldo 09/29/2022

Supervised By :Jagrut Upadhyay 09/29/2022



#78

Pyrene

Concen: 15.691 ng

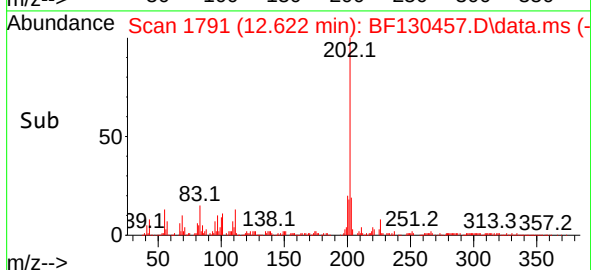
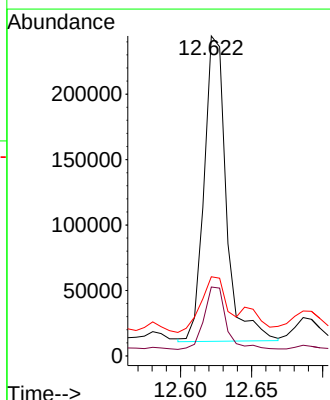
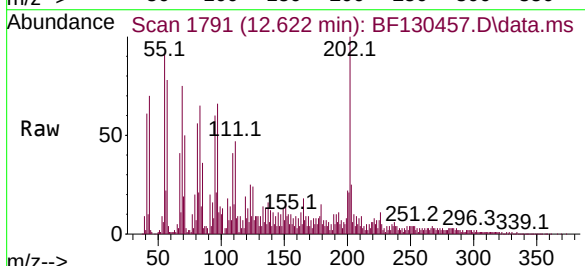
RT: 12.622 min Scan# 1791

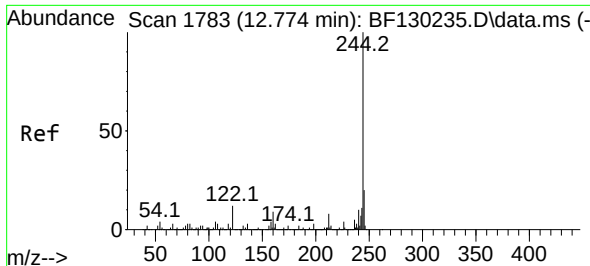
Delta R.T. 0.030 min

Lab File: BF130457.D

Acq: 28 Sep 2022 20:24

Tgt Ion:202 Resp: 253886
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.2 25.8
 203 24.8 14.3 21.5





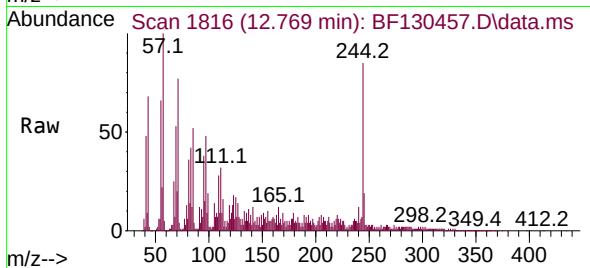
#79
 Terphenyl-d14
 Concen: 28.614 ng
 RT: 12.769 min Scan# 1816
 Delta R.T. 0.024 min
 Lab File: BF130457.D
 Acq: 28 Sep 2022 20:24

Instrument :

BNA_F

ClientSampleId :

WC-14B-SP-2

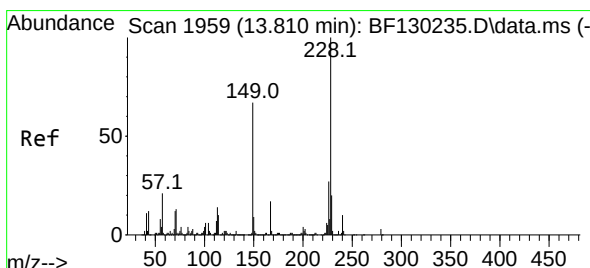
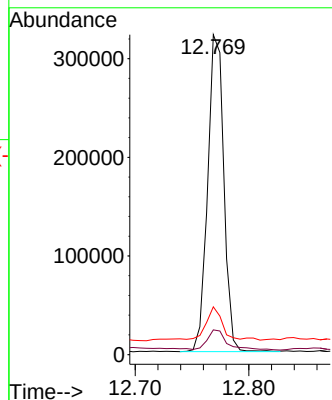
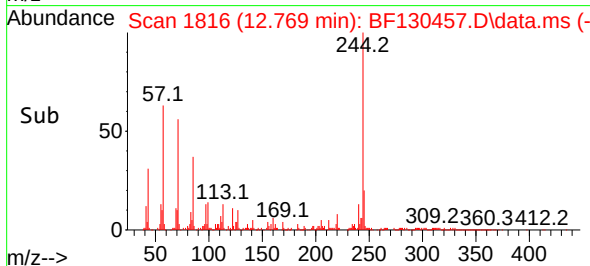


Tgt Ion:244 Resp: 319496
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 14.9 8.5 12.7

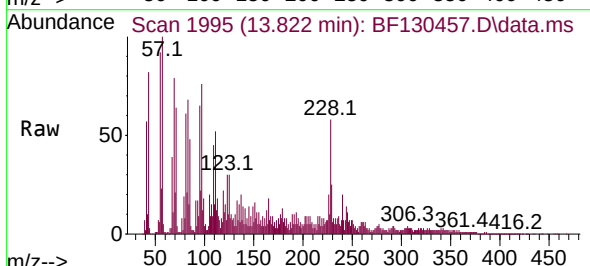
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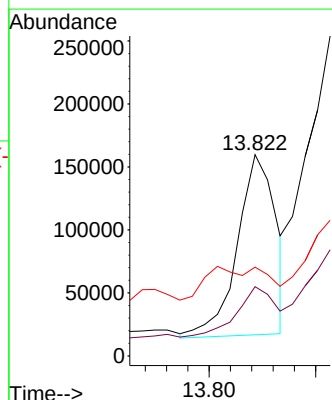
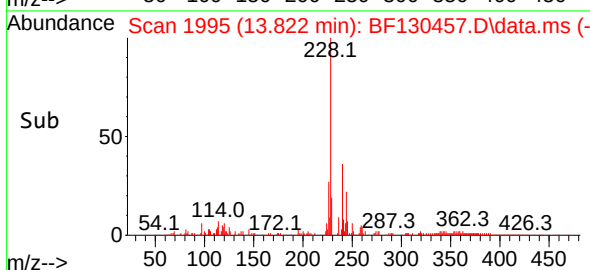
Reviewed By :Christian Giraldo 09/29/2022
 Supervised By :Jagrut Upadhyay 09/29/2022

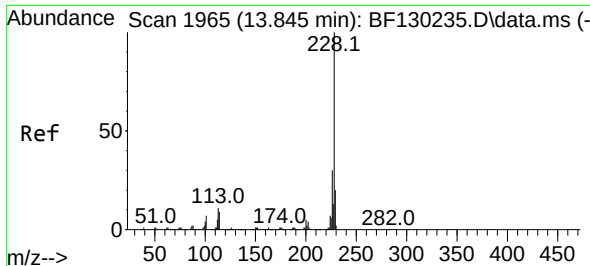


#81
 Benzo(a)anthracene
 Concen: 14.711 ng
 RT: 13.822 min Scan# 1995
 Delta R.T. 0.041 min
 Lab File: BF130457.D
 Acq: 28 Sep 2022 20:24



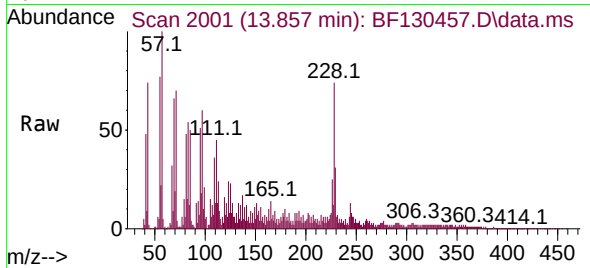
Tgt Ion:228 Resp: 181006
 Ion Ratio Lower Upper
 228 100
 226 34.4 21.9 32.9#
 229 44.1 16.1 24.1#





#83
Chrysene
Concen: 27.404 ng
RT: 13.857 min Scan# 2016
Delta R.T. 0.041 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

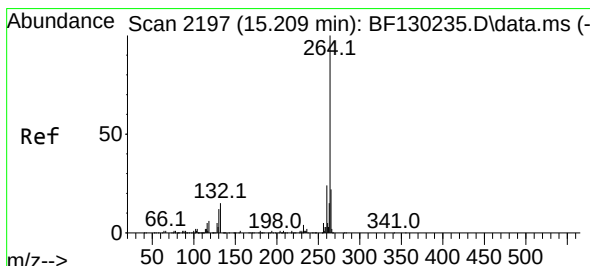
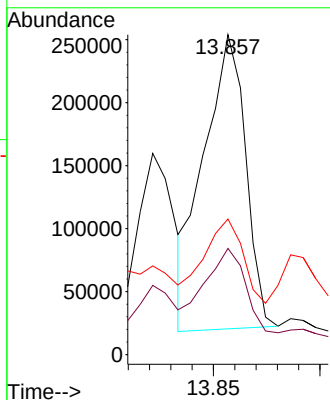
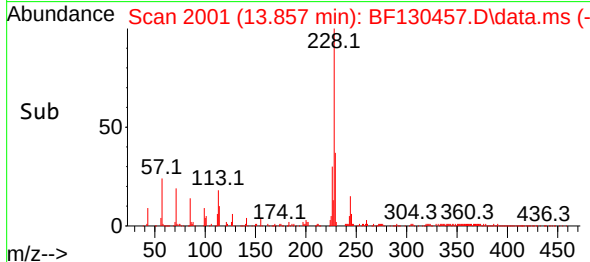
Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2



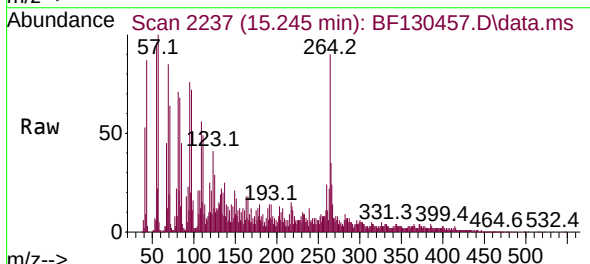
Tgt Ion:228 Resp: 320165
Ion Ratio Lower Upper
228 100
226 33.2 23.8 35.8
229 42.4 15.3 22.9

Manual Integrations
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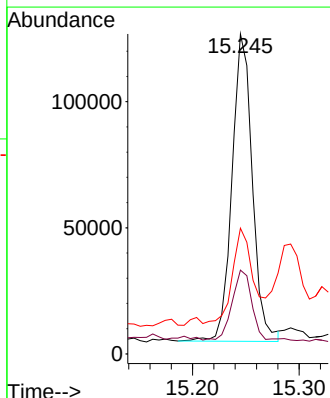
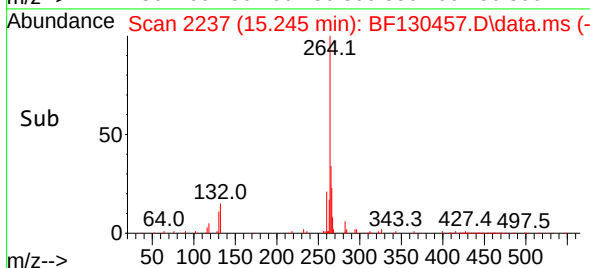
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022

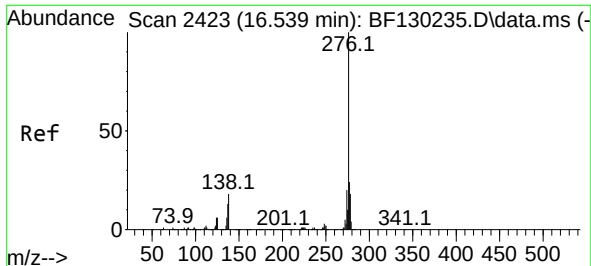


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.245 min Scan# 2237
Delta R.T. 0.071 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24



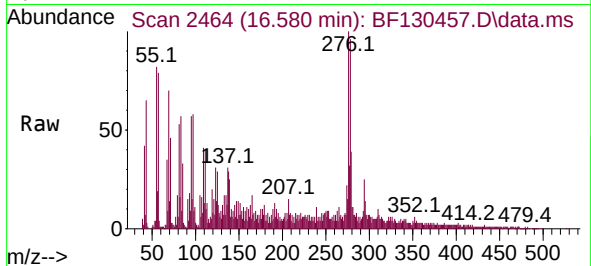
Tgt Ion:264 Resp: 161260
Ion Ratio Lower Upper
264 100
260 26.2 19.3 28.9
265 39.3 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.357 ng
RT: 16.580 min Scan# 2423
Delta R.T. 0.082 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

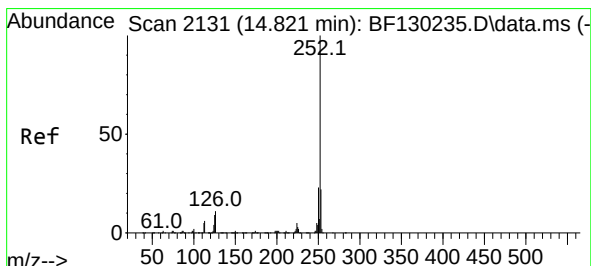
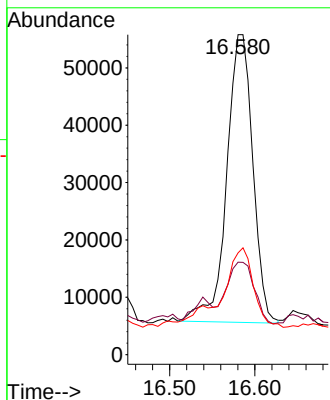
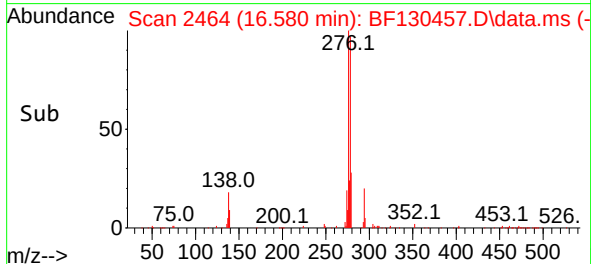
Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2



Tgt Ion: 276 Resp: 107002
Ion Ratio Lower Upper
276 100
138 22.9 18.5 27.7
277 27.5 20.2 30.4

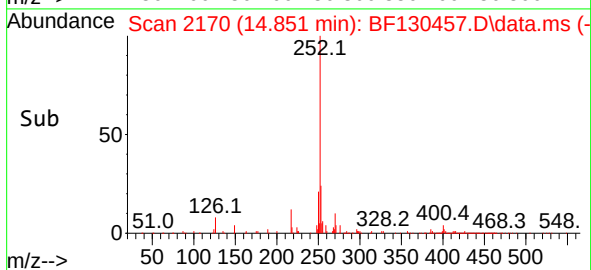
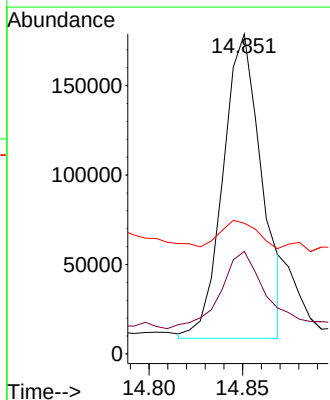
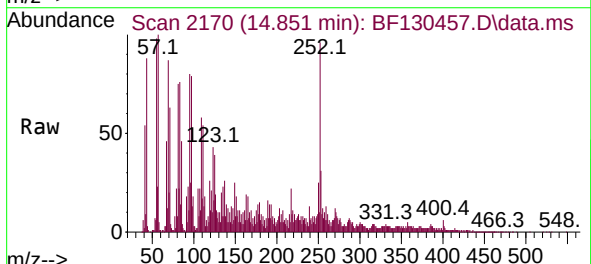
Manual Integrations
APPROVED

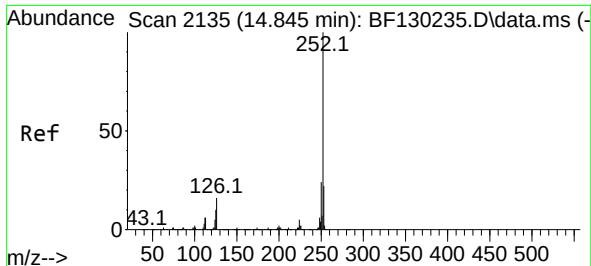
Reviewed By : Christian Giraldo 09/29/2022
Supervised By : Jagrut Upadhyay 09/29/2022



#88
Benzo(b)fluoranthene
Concen: 23.284 ng m
RT: 14.851 min Scan# 2170
Delta R.T. 0.065 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

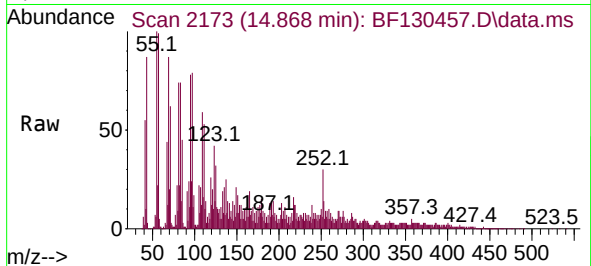
Tgt Ion: 252 Resp: 245070
Ion Ratio Lower Upper
252 100
253 32.0 17.7 26.5#
125 40.8 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 2.839 ng m
RT: 14.868 min Scan# 2135
Delta R.T. 0.053 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

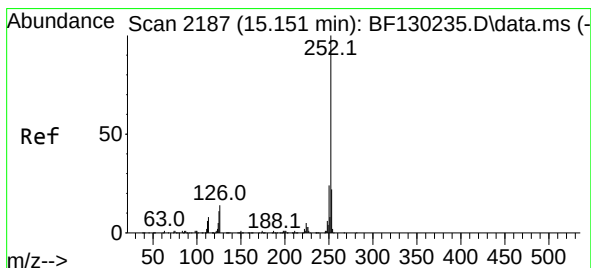
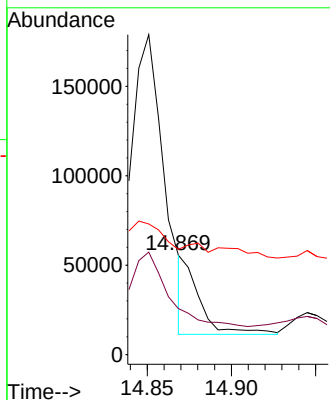
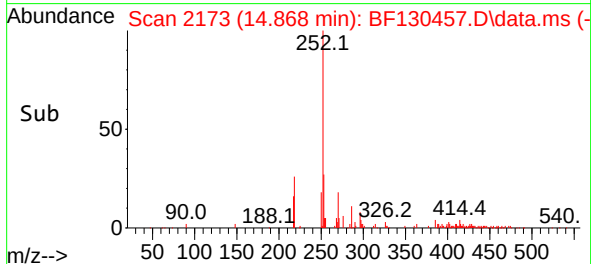
Instrument :
BNA_F
ClientSampleId :
WC-14B-SP-2



Tgt Ion:252 Resp: 29398
Ion Ratio Lower Upper
252 100
253 46.2 17.4 26.2#
125 105.7 7.9 11.9#

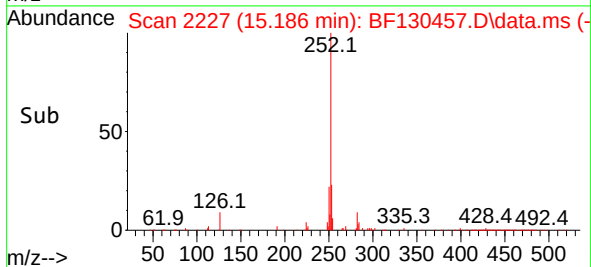
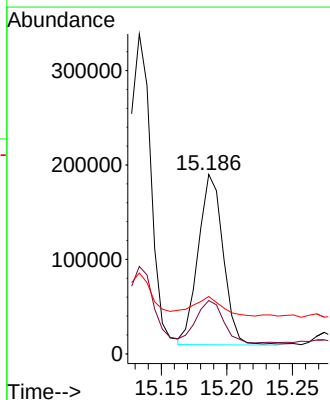
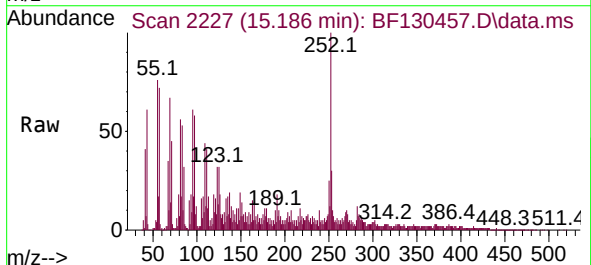
Manual Integrations
APPROVED

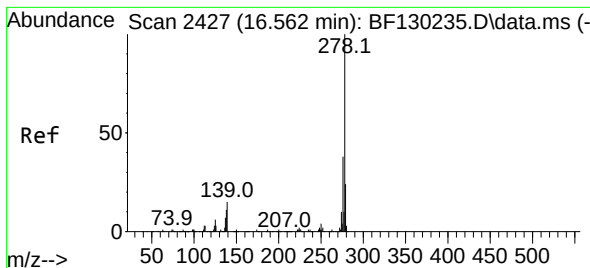
Reviewed By :Christian Giraldo 09/29/2022
Supervised By :Jagrut Upadhyay 09/29/2022



#90
Benzo(a)pyrene
Concen: 28.642 ng
RT: 15.186 min Scan# 2227
Delta R.T. 0.071 min
Lab File: BF130457.D
Acq: 28 Sep 2022 20:24

Tgt Ion:252 Resp: 238833
Ion Ratio Lower Upper
252 100
253 29.8 17.8 26.6#
125 32.0 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 12.842 ng

RT: 16.586 min Scan# 24

Delta R.T. 0.077 min

Lab File: BF130457.D

Acq: 28 Sep 2022 20:24

Instrument :

BNA_F

ClientSampleId :

WC-14B-SP-2

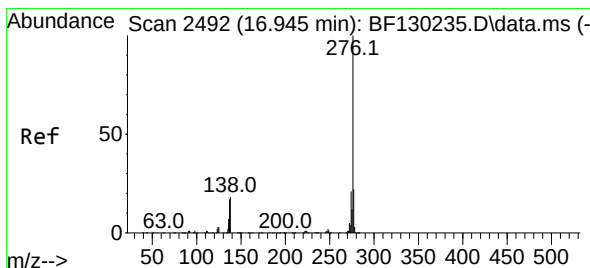
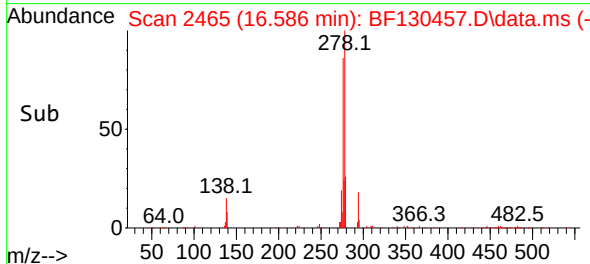
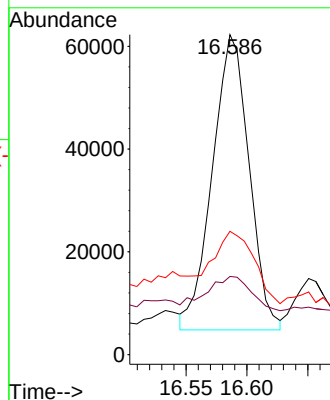
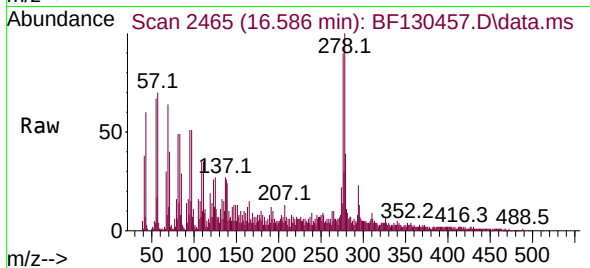
Tgt Ion:	278	Resp:	120477
Ion Ratio	Lower	Upper	
278	100		
139	24.4	11.8	17.8
279	38.5	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/29/2022

Supervised By :Jagrut Upadhyay 09/29/2022



#92

Benzo(g,h,i)perylene

Concen: 19.399 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.100 min

Lab File: BF130457.D

Acq: 28 Sep 2022 20:24

Tgt Ion:	276	Resp:	183323
Ion Ratio	Lower	Upper	
276	100		
277	27.1	18.6	27.8
138	19.7	14.6	21.8

