

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128968.D
 Acq On : 23 Jun 2022 23:02
 Operator : CG\JU
 Sample : N3431-19
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 24 04:36:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	80469	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	273875	20.000	ng	# 0.00
39) Acenaphthene-d10	9.769	164	127684	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	151005	20.000	ng	# 0.00
76) Chrysene-d12	13.909	240	144787	20.000	ng	0.01
86) Perylene-d12	15.356	264	139237	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	308140	60.994	ng	0.00
7) Phenol-d6	6.381	99	352510	57.163	ng	0.00
23) Nitrobenzene-d5	7.292	82	264845	45.023	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	46698	30.953	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	394857	43.319	ng	0.00
79) Terphenyl-d14	12.845	244	276800	33.220	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.727	142	22220	2.485	ng	89
38) 1-Methylnaphthalene	8.827	142	21025	2.434	ng	85
52) Acenaphthene	9.804	154	44391	6.091	ng	# 85
58) Fluorene	10.316	166	48706	5.996	ng	# 84
71) Phenanthrene	11.286	178	205839	27.177	ng	98
72) Anthracene	11.333	178	38255m	5.103	ng	
75) Fluoranthene	12.474	202	87499	11.052	ng	92
78) Pyrene	12.704	202	158432	14.708	ng	# 95
81) Benzo(a)anthracene	13.898	228	236749	26.232	ng	# 92
83) Chrysene	13.939	228	294709	34.251	ng	# 93
88) Benzo(b)fluoranthene	14.939	252	89821m	10.096	ng	
89) Benzo(k)fluoranthene	14.956	252	21646m	2.586	ng	
90) Benzo(a)pyrene	15.298	252	85317	12.201	ng	# 81
91) Dibenzo(a,h)anthracene	16.762	278	23112	3.320	ng	# 58
92) Benzo(g,h,i)perylene	17.198	276	31290	4.535	ng	96

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

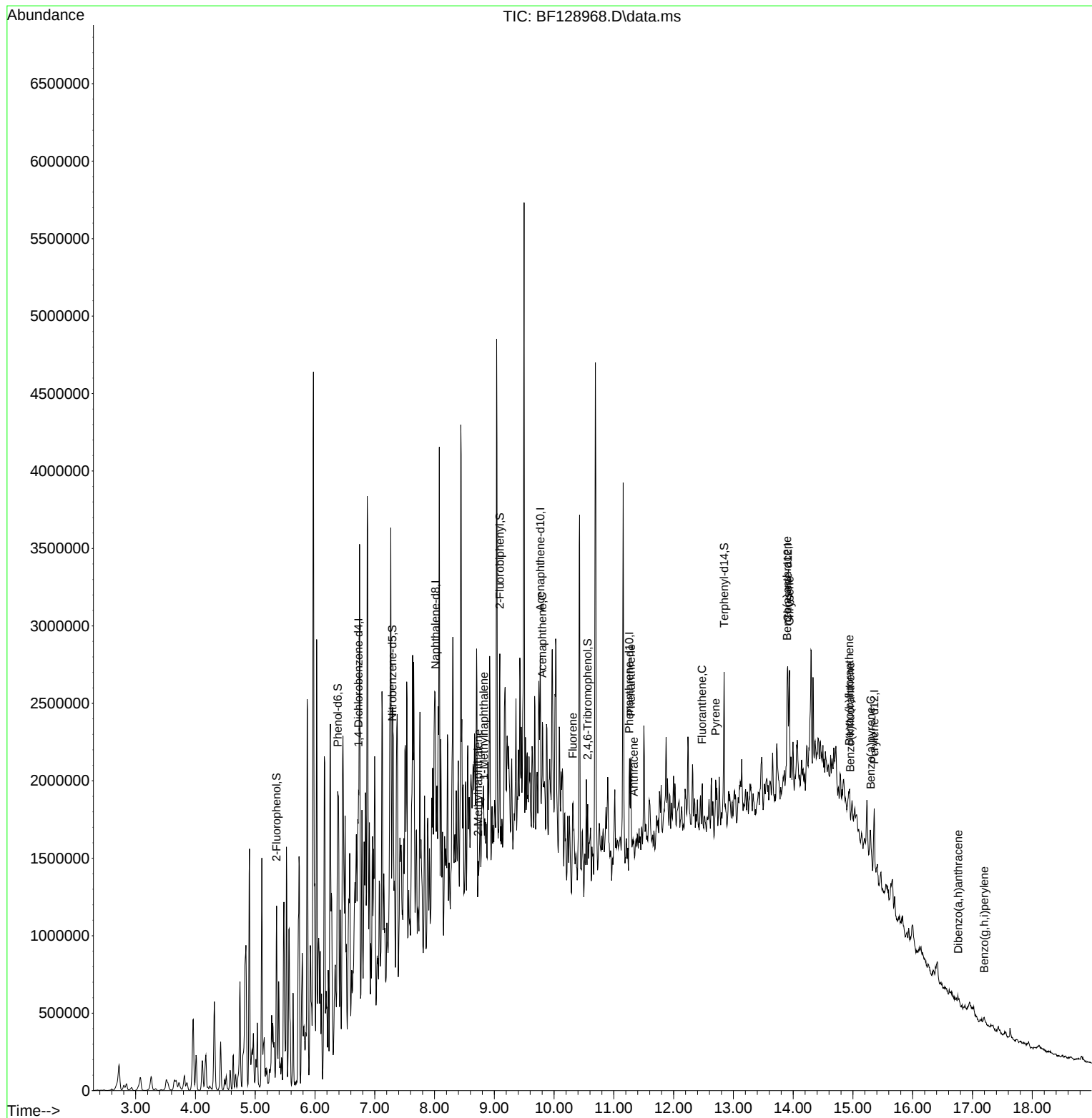
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128968.D
Acq On : 23 Jun 2022 23:02
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Sample : N3431-19
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ALS Vial : 13 Sample Multiplier: 1

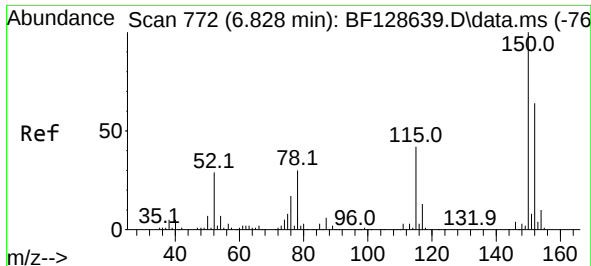
Instrument :
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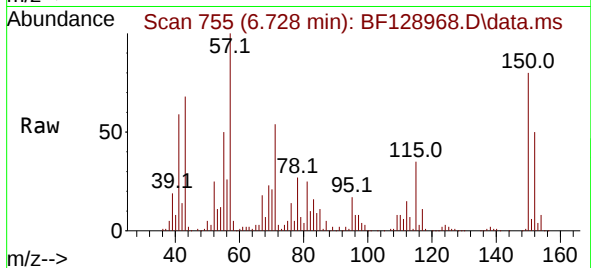
Quant Time: Jun 24 04:36:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 00:50:48 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

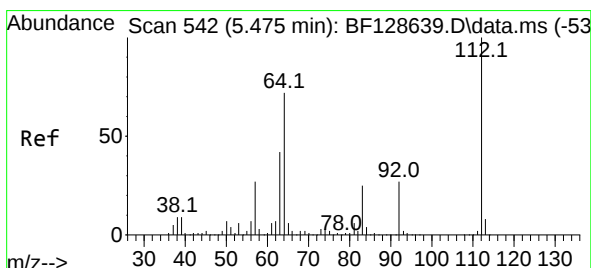
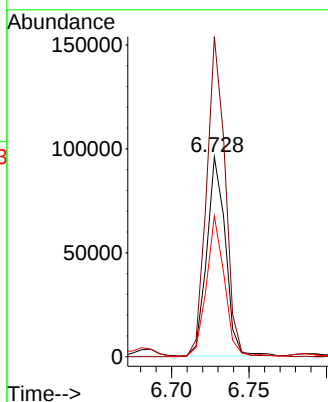
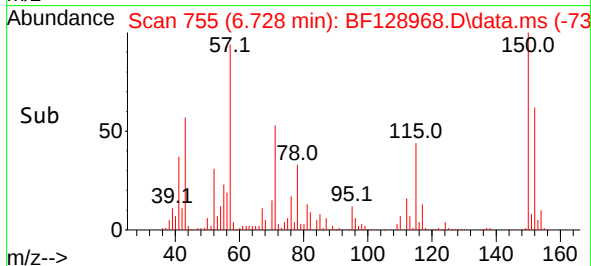
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



Tgt Ion:152 Resp: 80469
Ion Ratio Lower Upper
152 100
150 160.3 123.7 185.5
115 70.5 49.9 74.9

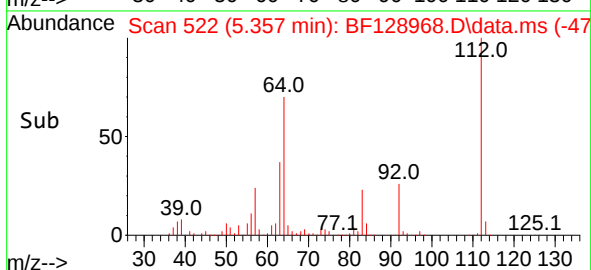
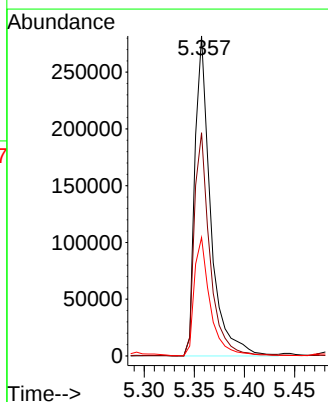
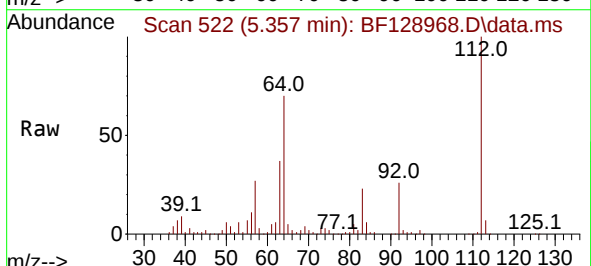
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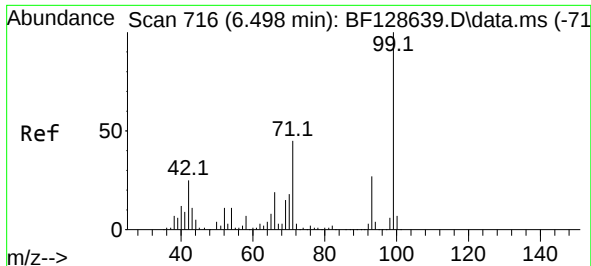
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 60.994 ng
RT: 5.357 min Scan# 522
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Tgt Ion:112 Resp: 308140
Ion Ratio Lower Upper
112 100
64 69.7 53.3 79.9
63 37.0 28.0 42.0





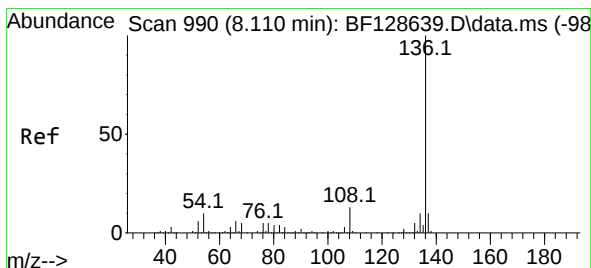
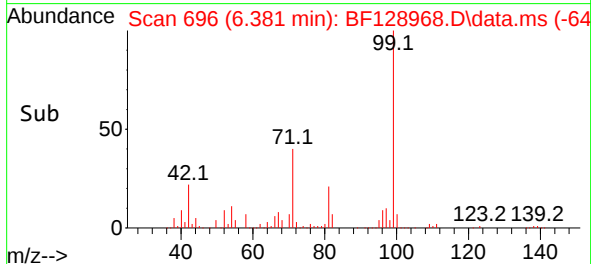
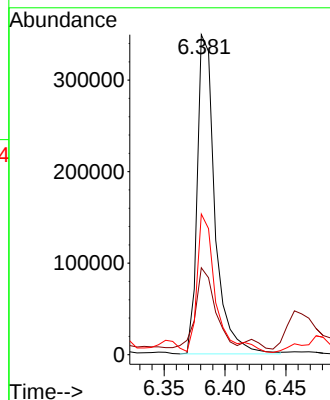
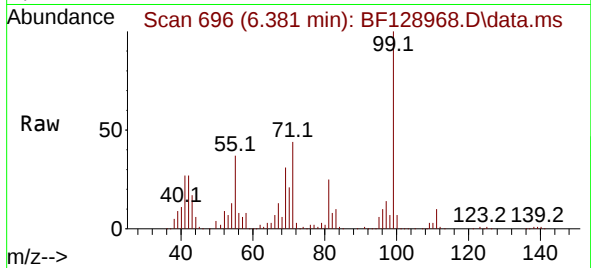
#7
Phenol-d6
Concen: 57.163 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5

Tgt Ion: 99 Resp: 352510
Ion Ratio Lower Upper
99 100
42 27.2 17.3 25.9#
71 44.0 28.9 43.3#

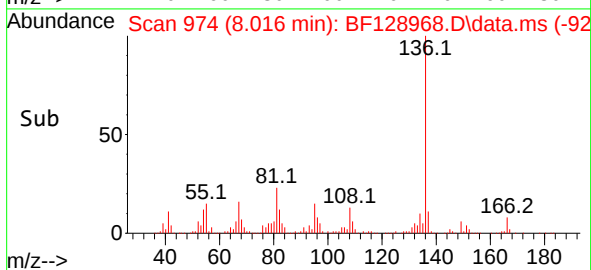
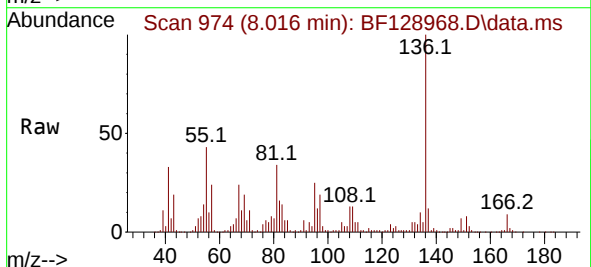
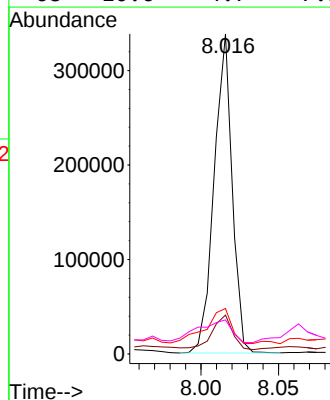
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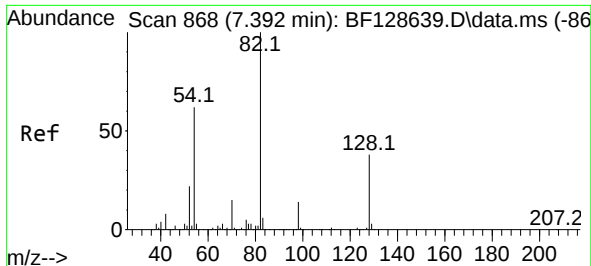
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Tgt Ion:136 Resp: 273875
Ion Ratio Lower Upper
136 100
137 12.2 8.8 13.2
54 14.2 7.5 11.3#
68 10.6 4.7 7.1#





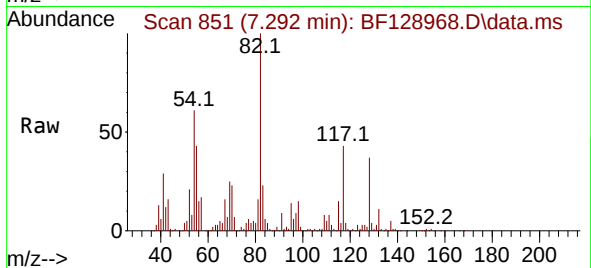
#23
Nitrobenzene-d5
Concen: 45.023 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Instrument :

BNA_F

ClientSampleId :

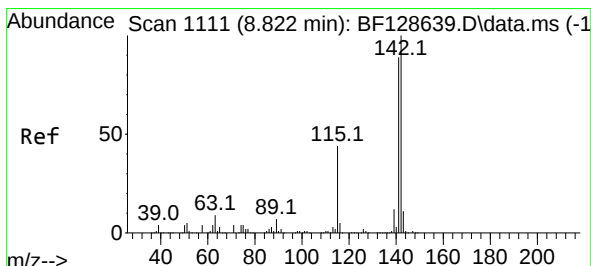
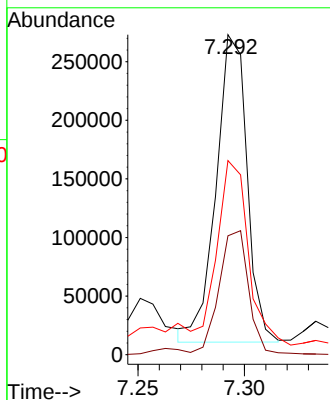
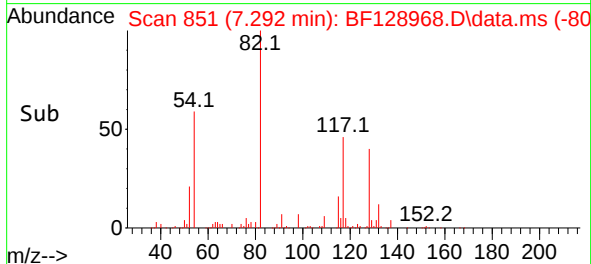
WC-14B-2-5



Tgt Ion: 82 Resp: 26484
Ion Ratio Lower Upper
82 100
128 37.2 34.0 51.0
54 60.6 46.9 70.3

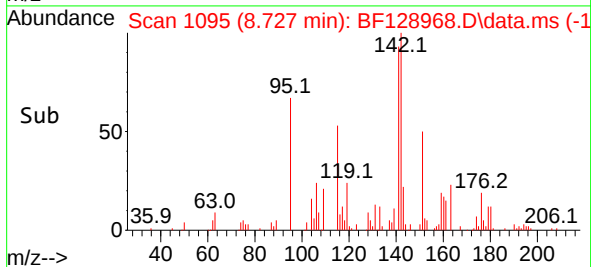
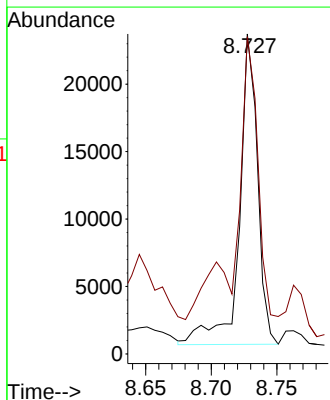
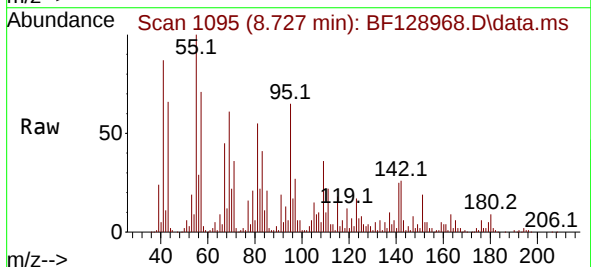
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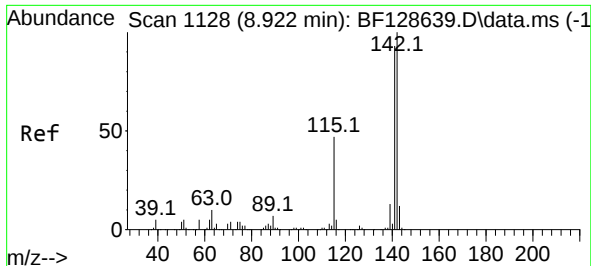
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#37
2-Methylnaphthalene
Concen: 2.485 ng
RT: 8.727 min Scan# 1095
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

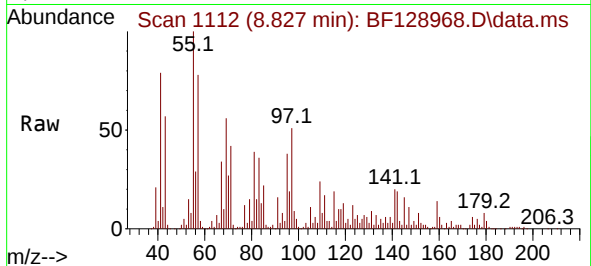
Tgt Ion:142 Resp: 22220
Ion Ratio Lower Upper
142 100
141 99.2 71.0 106.4





#38
1-Methylnaphthalene
Concen: 2.434 ng
RT: 8.827 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

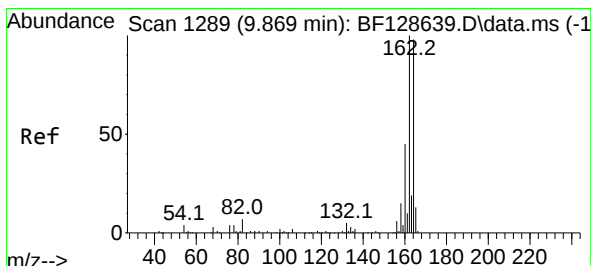
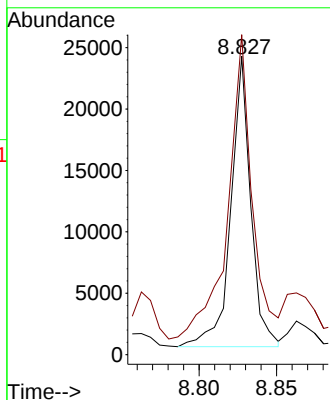
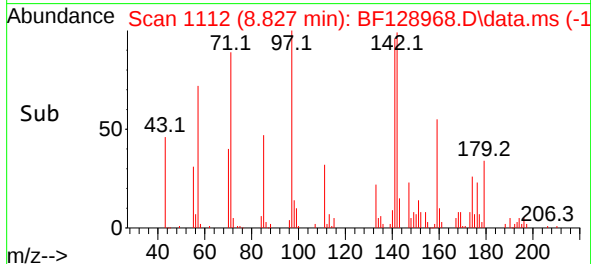
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



Tgt Ion:142 Resp: 2102
Ion Ratio Lower Upper
142 100
141 107.2 74.2 111.4

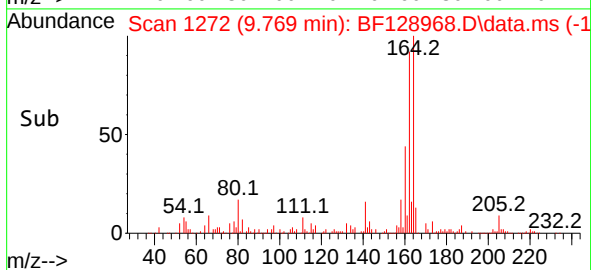
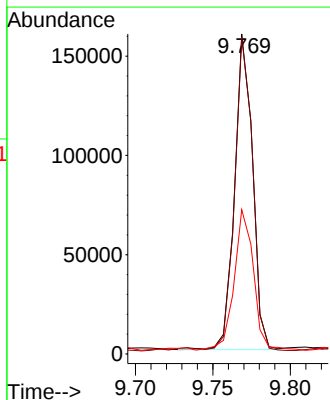
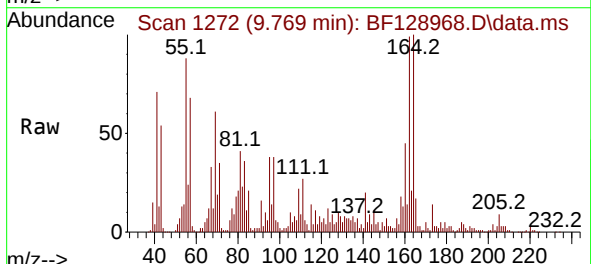
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1272
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

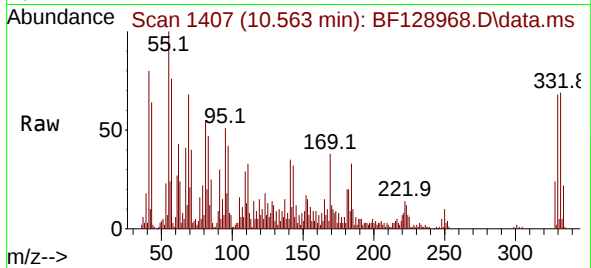
Tgt Ion:164 Resp: 127684
Ion Ratio Lower Upper
164 100
162 99.0 79.5 119.3
160 45.1 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 30.953 ng
RT: 10.563 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

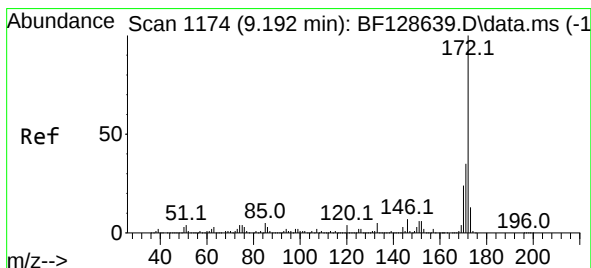
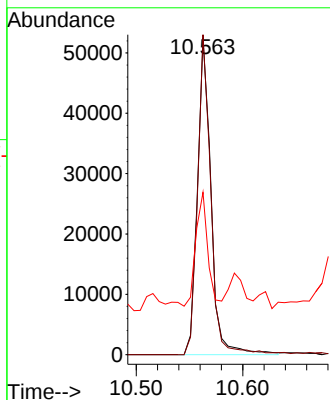
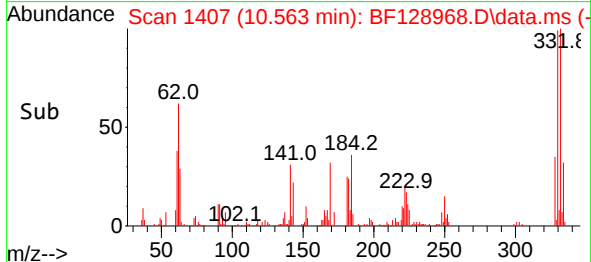
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



Tgt Ion: 330 Resp: 46698
Ion Ratio Lower Upper
330 100
332 98.3 76.8 115.2
141 31.4 28.0 42.0

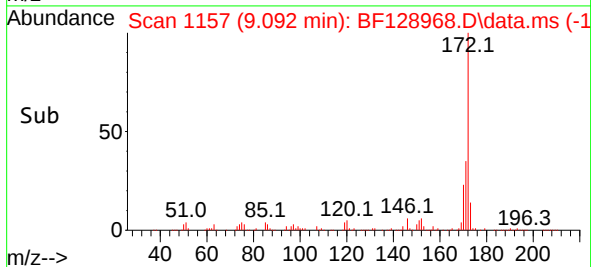
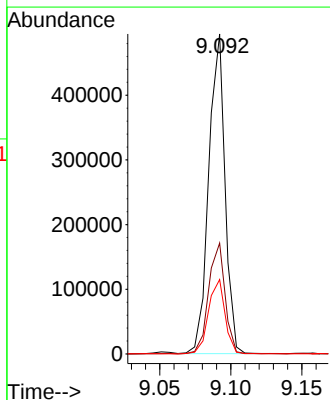
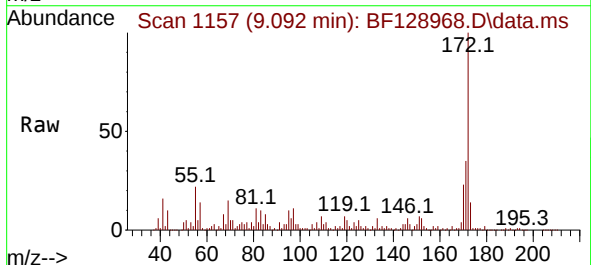
Manual Integrations
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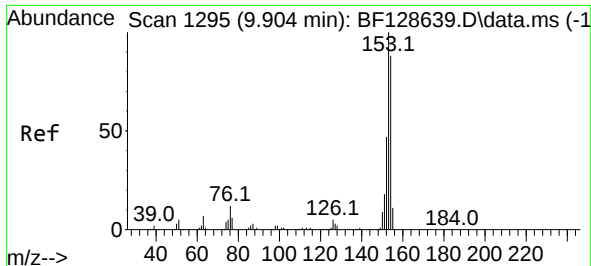
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022



#45
2-Fluorobiphenyl
Concen: 43.319 ng
RT: 9.092 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

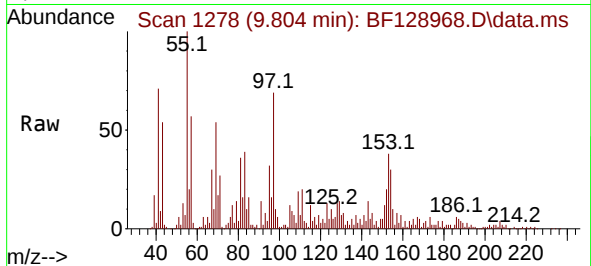
Tgt Ion: 172 Resp: 394857
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.2 19.8 29.8





#52
Acenaphthene
Concen: 6.091 ng
RT: 9.804 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

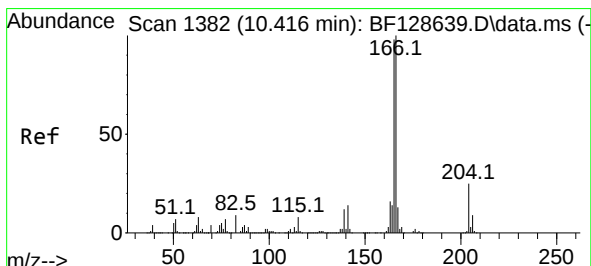
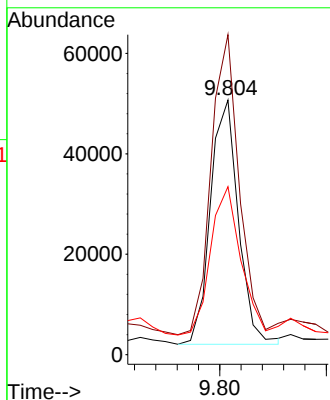
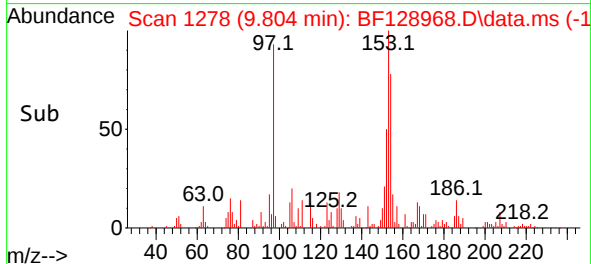
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



Tgt Ion:154 Resp: 4439
Ion Ratio Lower Upper
154 100
153 125.7 89.6 134.4
152 66.0 42.4 63.6

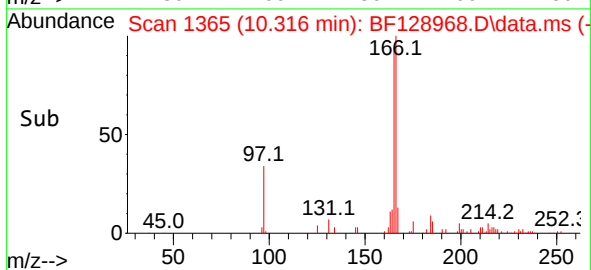
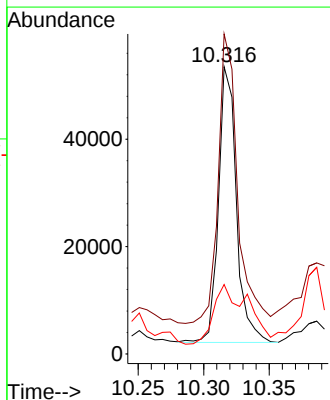
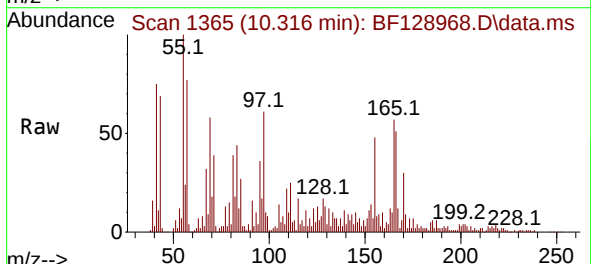
Manual Integrations
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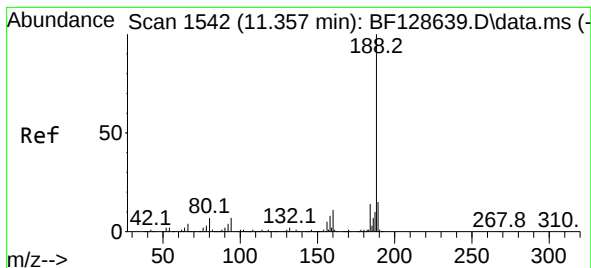
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#58
Fluorene
Concen: 5.996 ng
RT: 10.316 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Tgt Ion:166 Resp: 48706
Ion Ratio Lower Upper
166 100
165 111.4 78.1 117.1
167 24.2 10.5 15.7





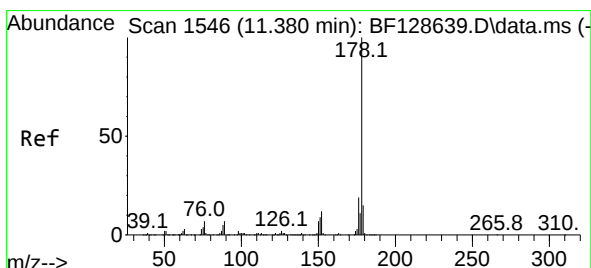
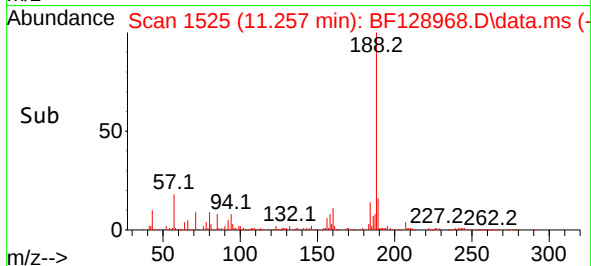
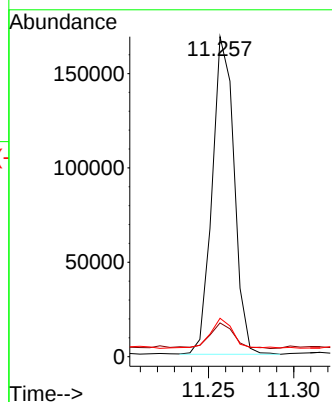
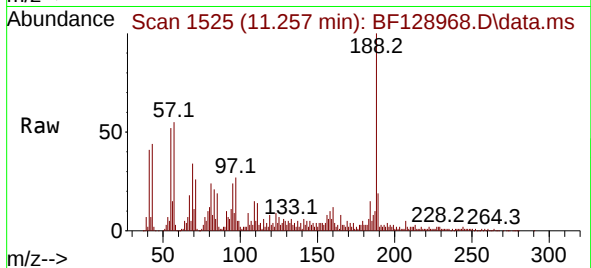
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 15100
Delta R.T. 0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5

Tgt Ion:188 Resp: 15100
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6
80 12.0 7.6 11.4

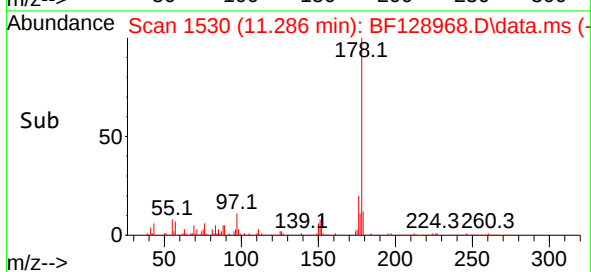
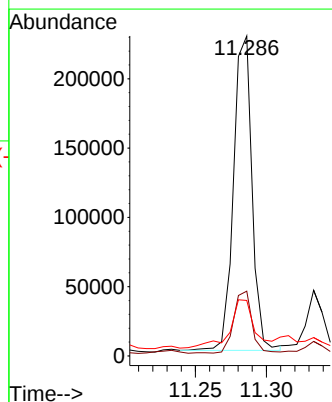
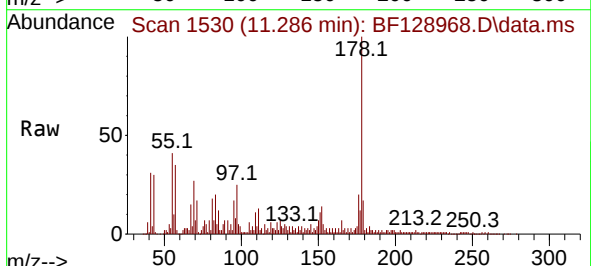
Manual Integrations
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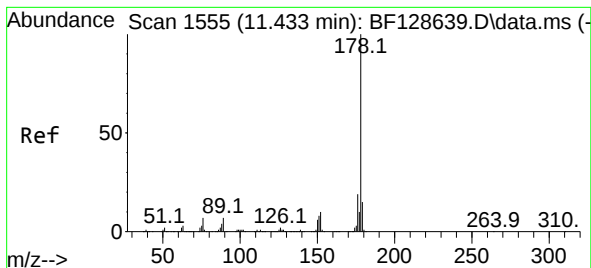
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#71
Phenanthrene
Concen: 27.177 ng
RT: 11.286 min Scan# 1530
Delta R.T. 0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

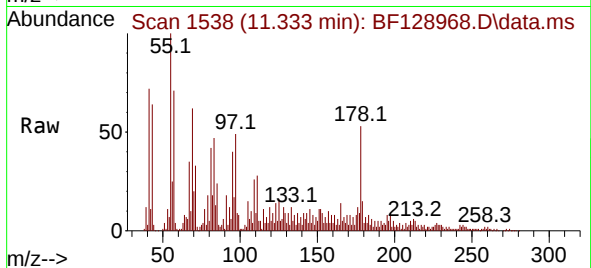
Tgt Ion:178 Resp: 205839
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 17.4 12.6 19.0





#72
 Anthracene
 Concen: 5.103 ng m
 RT: 11.333 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128968.D
 Acq: 23 Jun 2022 23:02

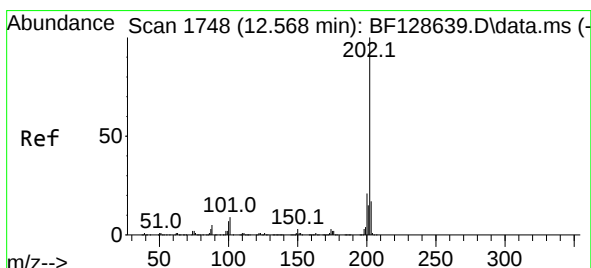
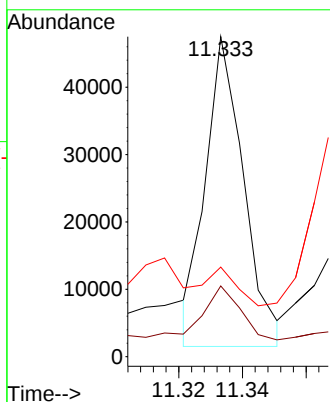
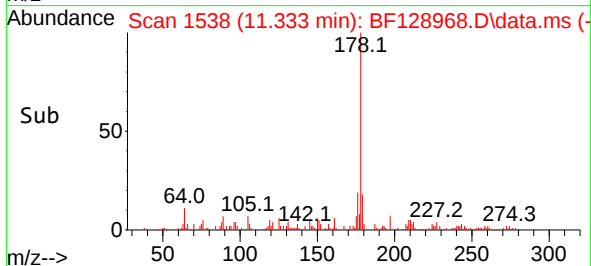
Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-5



Tgt Ion:178 Resp: 3825
 Ion Ratio Lower Upper
 178 100
 176 22.1 15.4 23.2
 179 28.0 12.6 19.0

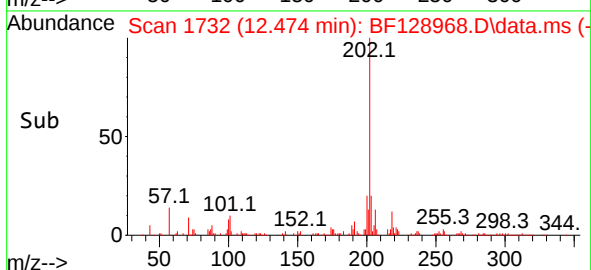
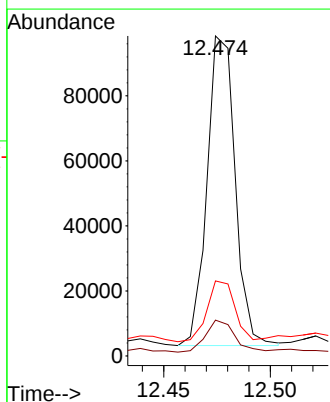
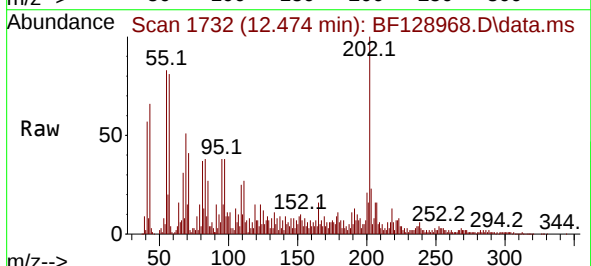
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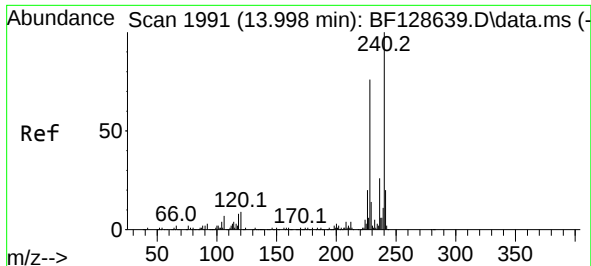
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#75
 Fluoranthene
 Concen: 11.052 ng
 RT: 12.474 min Scan# 1732
 Delta R.T. 0.006 min
 Lab File: BF128968.D
 Acq: 23 Jun 2022 23:02

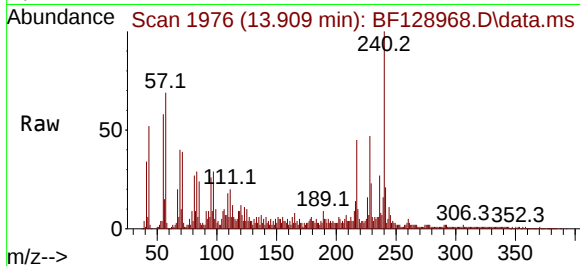
Tgt Ion:202 Resp: 87499
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.4
 203 23.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.909 min Scan# 1991
Delta R.T. 0.012 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

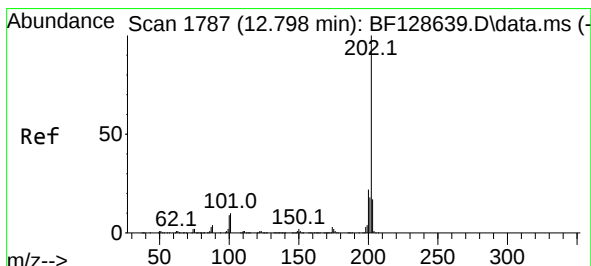
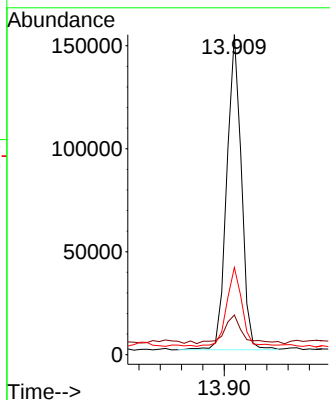
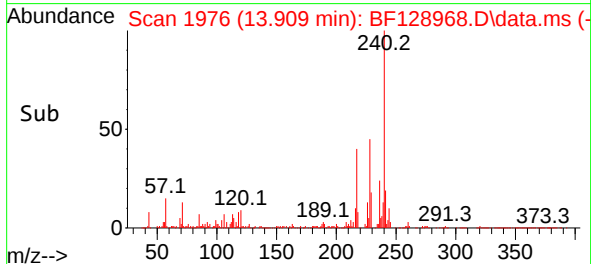
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



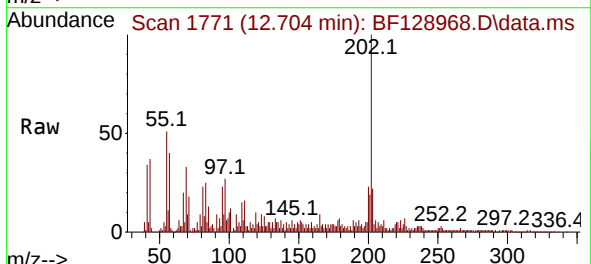
Tgt Ion:240 Resp: 144785
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 27.2 20.8 31.2

Manual Integrations
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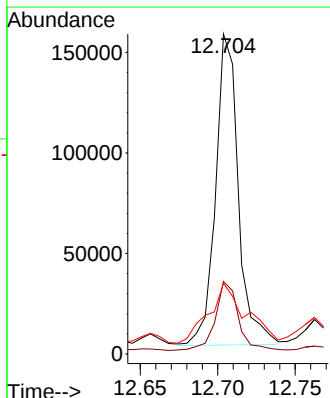
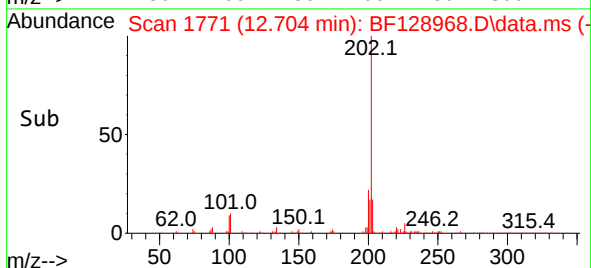
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

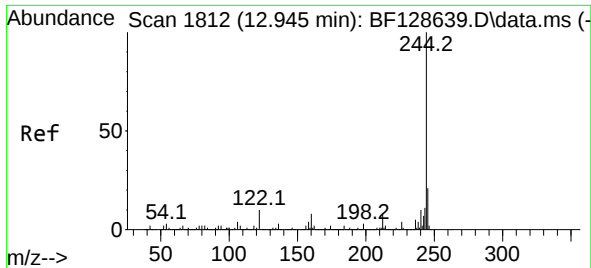


#78
Pyrene
Concen: 14.708 ng
RT: 12.704 min Scan# 1771
Delta R.T. 0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02



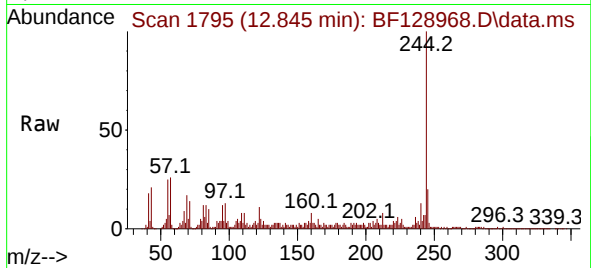
Tgt Ion:202 Resp: 158432
Ion Ratio Lower Upper
202 100
200 22.6 17.7 26.5
203 22.1 14.6 21.8#





#79
 Terphenyl-d14
 Concen: 33.220 ng
 RT: 12.845 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF128968.D
 Acq: 23 Jun 2022 23:02

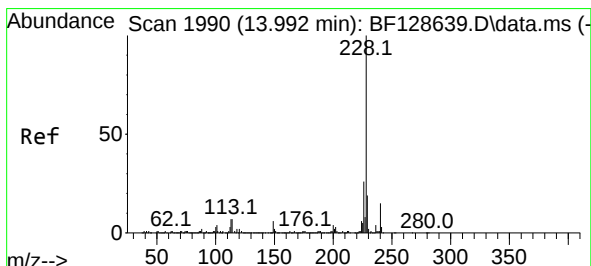
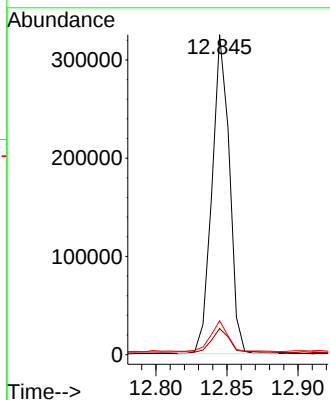
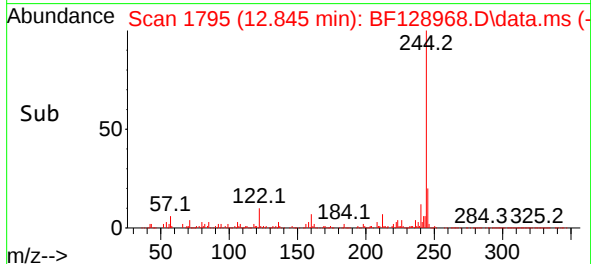
Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-5



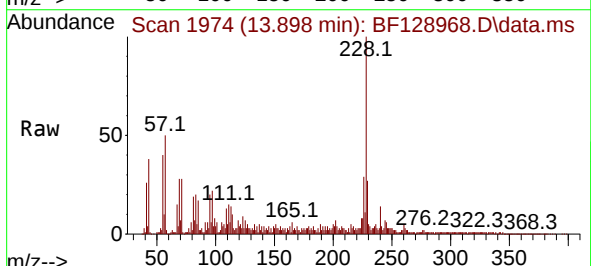
Tgt Ion:244 Resp: 276800
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.1 9.1
 122 10.6 8.8 13.2

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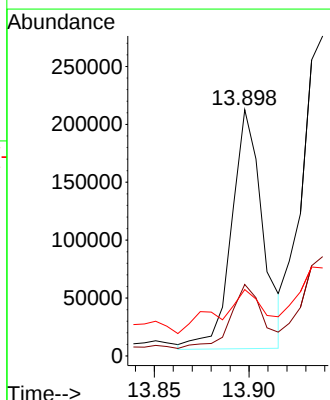
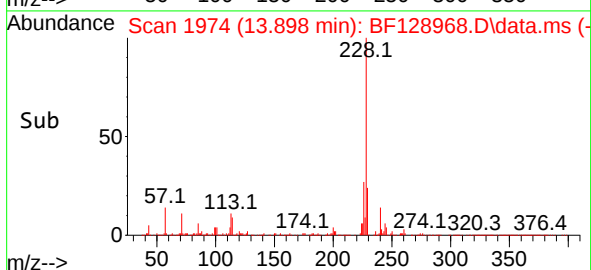
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

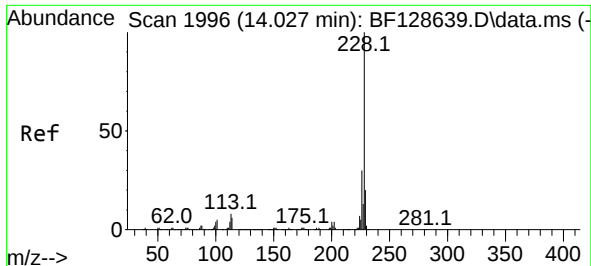


#81
 Benzo(a)anthracene
 Concen: 26.232 ng
 RT: 13.898 min Scan# 1974
 Delta R.T. 0.012 min
 Lab File: BF128968.D
 Acq: 23 Jun 2022 23:02



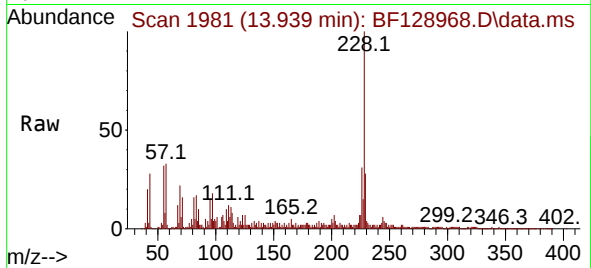
Tgt Ion:228 Resp: 236749
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.1 33.1
 229 26.9 15.8 23.8#





#83
Chrysene
Concen: 34.251 ng
RT: 13.939 min Scan# 1996
Delta R.T. 0.012 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

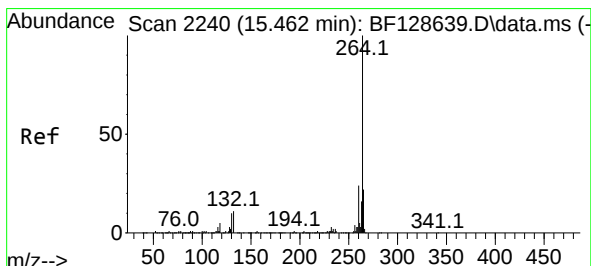
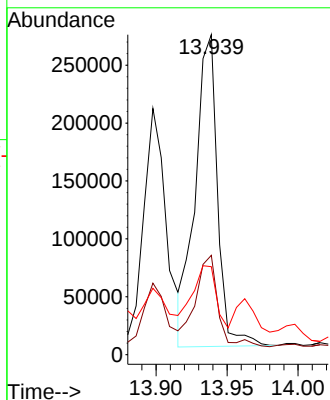
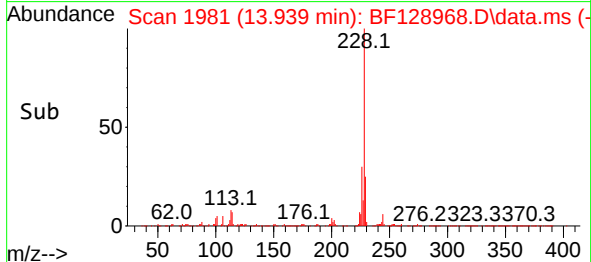
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



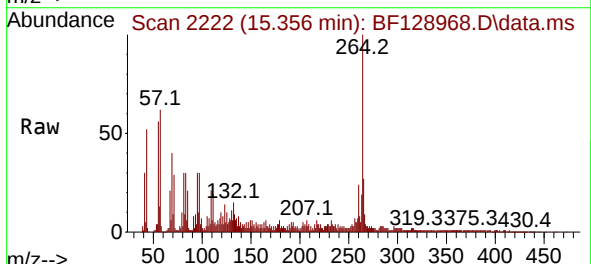
Tgt Ion:228 Resp: 294709
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 27.5 15.9 23.9

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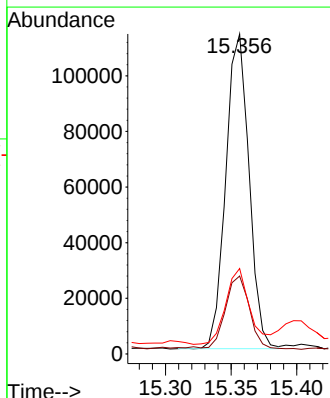
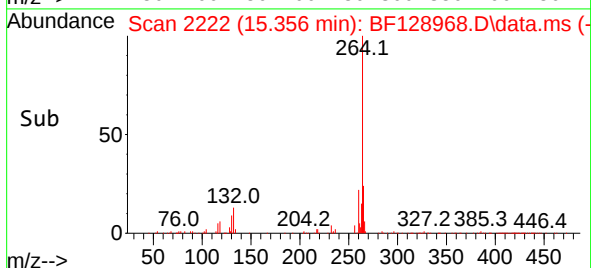
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

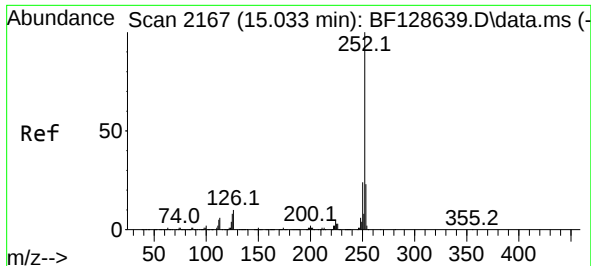


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.356 min Scan# 2222
Delta R.T. 0.029 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02



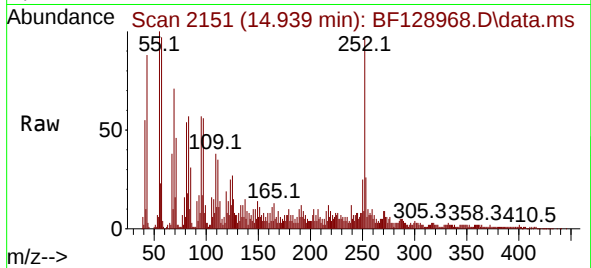
Tgt Ion:264 Resp: 139237
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 26.7 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 10.096 ng m
RT: 14.939 min Scan# 2151
Delta R.T. 0.017 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

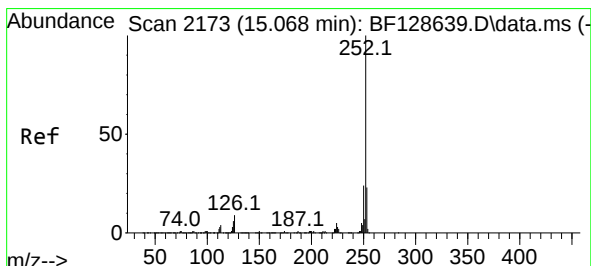
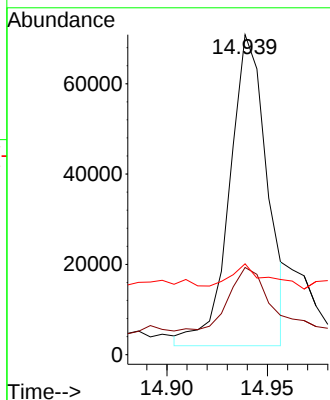
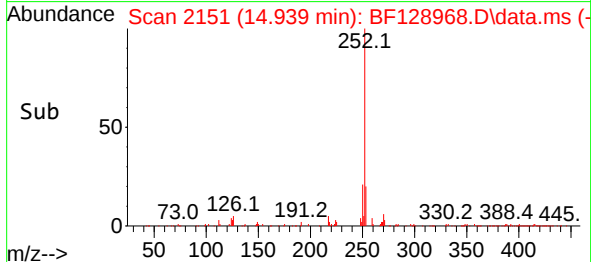
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-5



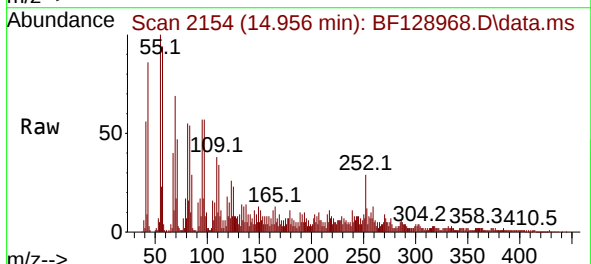
Tgt Ion:252 Resp: 8982
Ion Ratio Lower Upper
252 100
253 27.3 17.7 26.5
125 28.4 8.0 12.0

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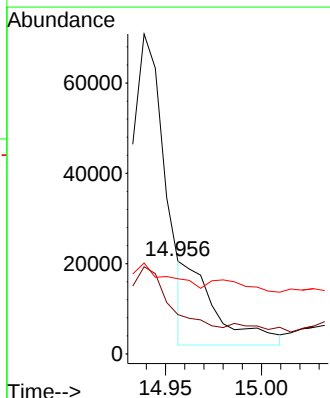
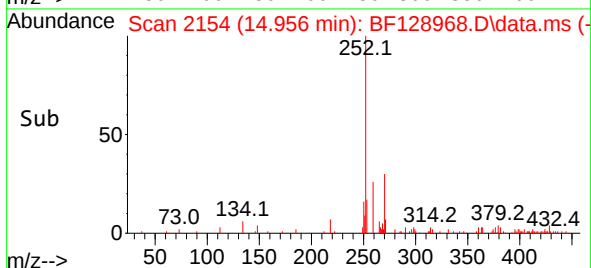
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

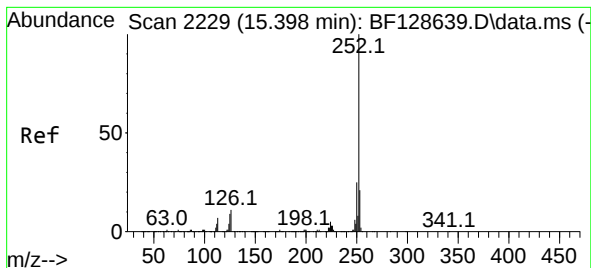


#89
Benzo(k)fluoranthene
Concen: 2.586 ng m
RT: 14.956 min Scan# 2154
Delta R.T. 0.006 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02



Tgt Ion:252 Resp: 21646
Ion Ratio Lower Upper
252 100
253 42.4 17.8 26.6#
125 81.1 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 12.201 ng
RT: 15.298 min Scan# 211
Delta R.T. 0.023 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

Instrument :

BNA_F

ClientSampleId :

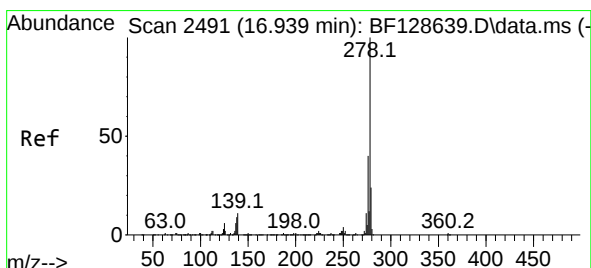
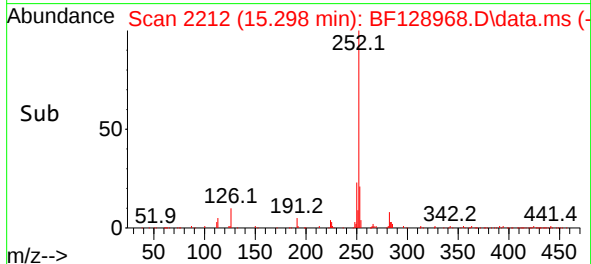
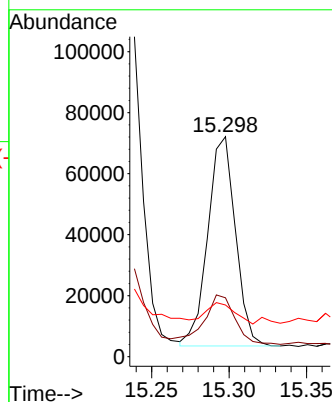
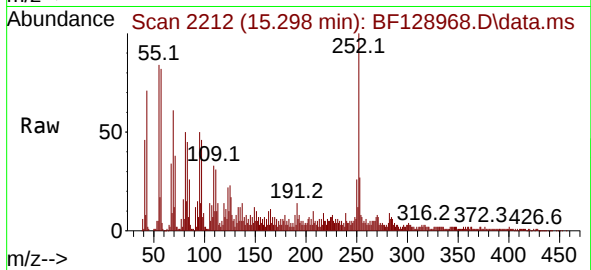
WC-14B-2-5

Tgt Ion:252 Resp: 8531
Ion Ratio Lower Upper
252 100
253 26.8 17.0 25.6
125 23.5 8.8 13.2

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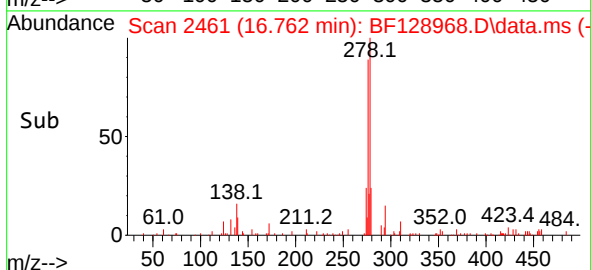
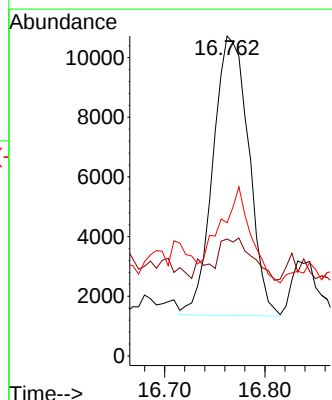
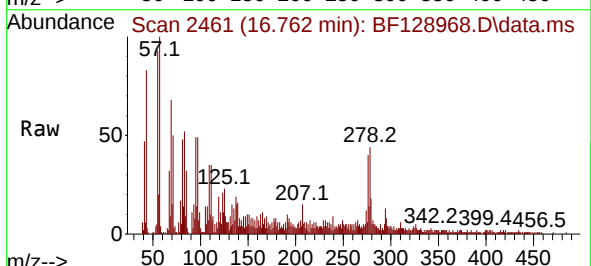
APPROVED

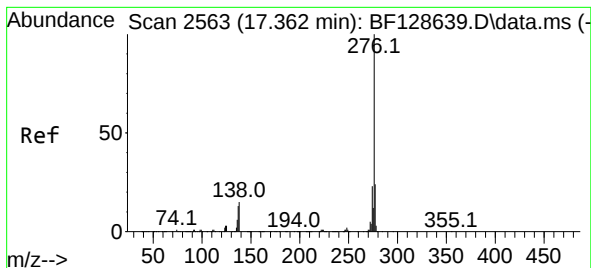
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.320 ng
RT: 16.762 min Scan# 2461
Delta R.T. 0.012 min
Lab File: BF128968.D
Acq: 23 Jun 2022 23:02

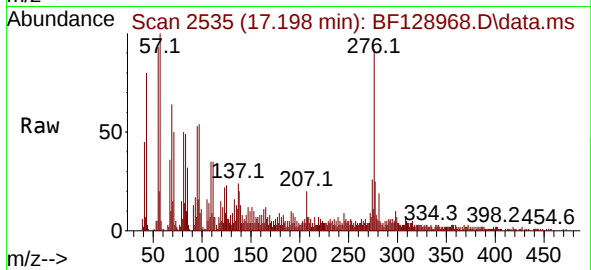
Tgt Ion:278 Resp: 23112
Ion Ratio Lower Upper
278 100
139 36.5 12.8 19.2#
279 41.6 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 4.535 ng
 RT: 17.198 min Scan# 2535
 Delta R.T. 0.029 min
 Lab File: BF128968.D
 Acq: 23 Jun 2022 23:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-5



Tgt Ion: 276 Resp: 31290
 Ion Ratio Lower Upper
 276 100
 277 27.2 19.1 28.7
 138 22.1 18.0 27.0

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Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

