

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128970.D
 Acq On : 24 Jun 2022 00:00
 Operator : CG\JU
 Sample : N3462-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-0-2-20220622

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:37:41 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	6.722	152	100538	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	366898	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	123514	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	178221	20.000	ng	# 0.00
76) Chrysene-d12	13.898	240	162187	20.000	ng	0.00
86) Perylene-d12	15.339	264	149171	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	621050	98.393	ng	0.00
7) Phenol-d6	6.387	99	819738	106.394	ng	0.00
23) Nitrobenzene-d5	7.292	82	598871	75.995	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	96012	65.790	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	740876	84.024	ng	0.00
79) Terphenyl-d14	12.839	244	582129	62.368	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.028	128	84634	4.495	ng	99
52) Acenaphthene	9.792	154	65432	9.281	ng	100
55) Dibenzofuran	9.969	168	32175	3.176	ng	96
58) Fluorene	10.310	166	50441	6.419	ng	99
71) Phenanthrene	11.274	178	569896	63.752	ng	99
72) Anthracene	11.327	178	145799	16.478	ng	98
73) Carbazole	11.486	167	94133	11.455	ng	98
75) Fluoranthene	12.474	202	1297864	138.896	ng	96
78) Pyrene	12.704	202	1163846	96.452	ng	98
81) Benzo(a)anthracene	13.892	228	862911	85.355	ng	98
83) Chrysene	13.927	228	706866m	73.339	ng	
87) Indeno(1,2,3-cd)pyrene	16.751	276	293372	32.630	ng	# 88
88) Benzo(b)fluoranthene	14.933	252	1051754m	110.341	ng	
89) Benzo(k)fluoranthene	14.957	252	391663m	43.681	ng	
90) Benzo(a)pyrene	15.286	252	673853m	89.947	ng	
91) Dibenzo(a,h)anthracene	16.745	278	86346	11.578	ng	# 79
92) Benzo(g,h,i)perylene	17.174	276	267842	36.237	ng	# 92

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

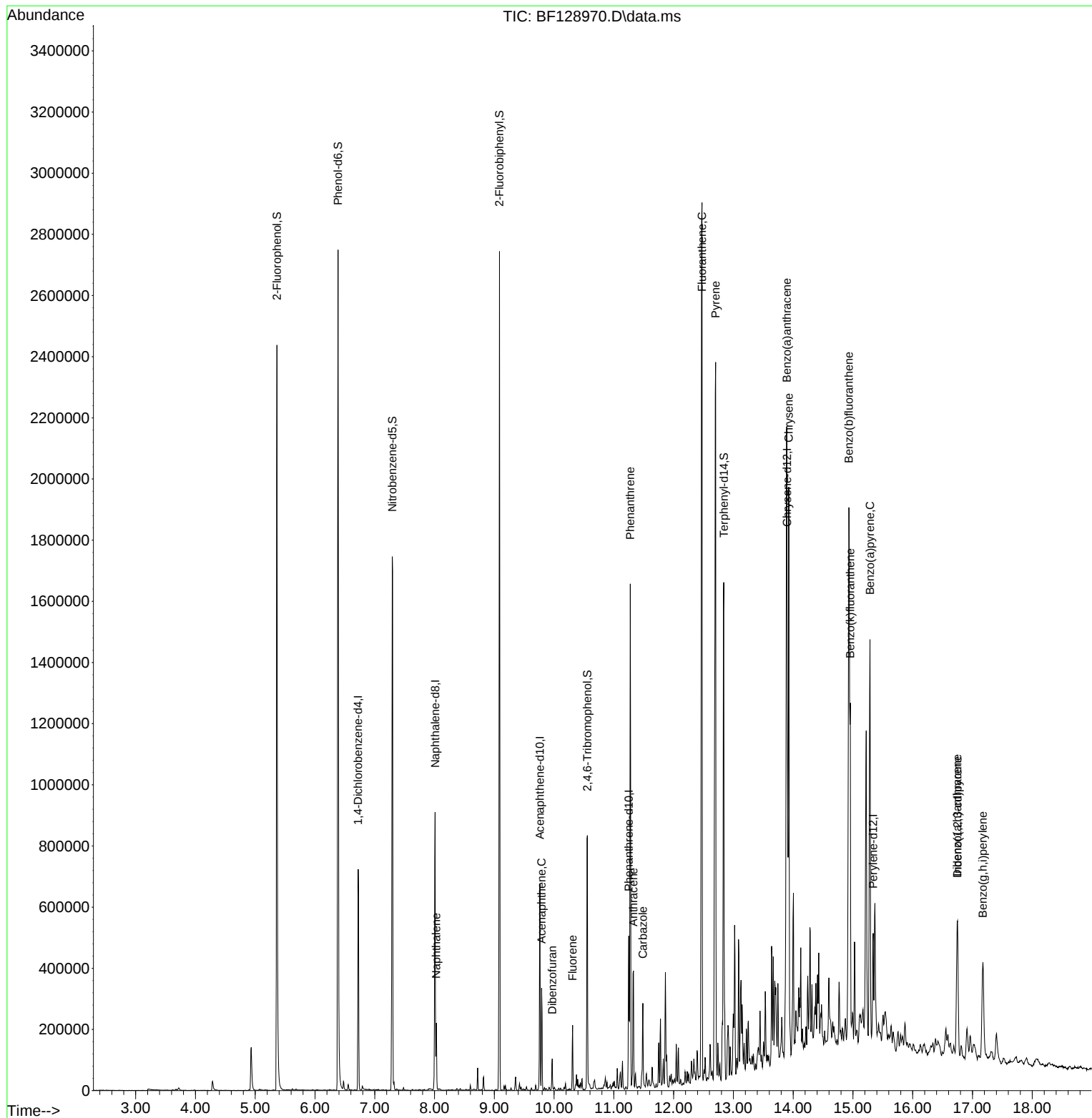
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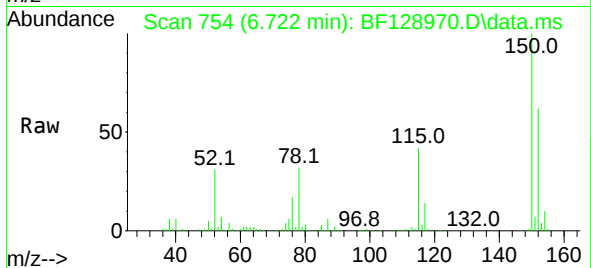
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

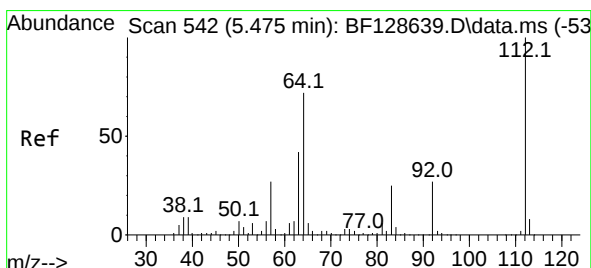
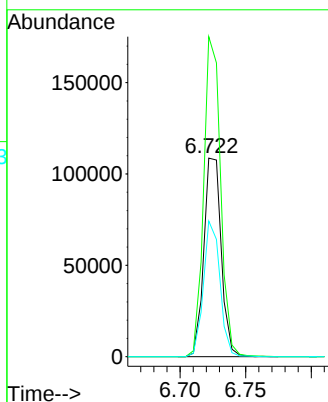
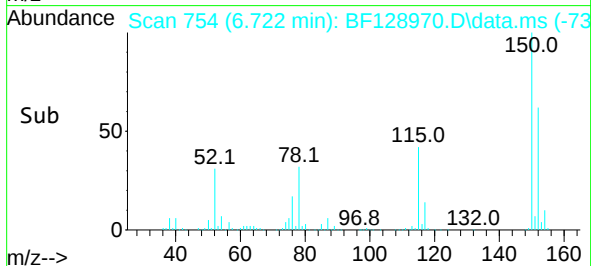
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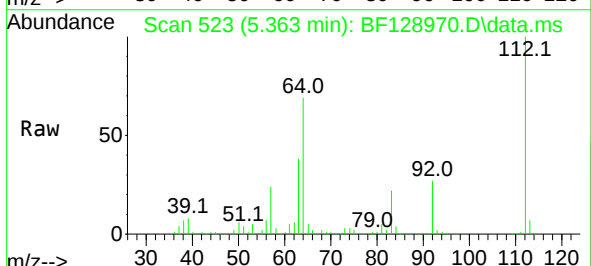
Tgt Ion:152 Resp: 100538
Ion Ratio Lower Upper
152 100
150 161.2 123.7 185.5
115 68.3 49.9 74.9

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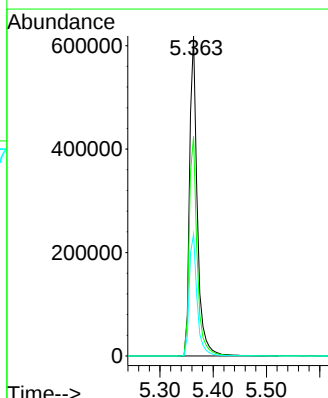
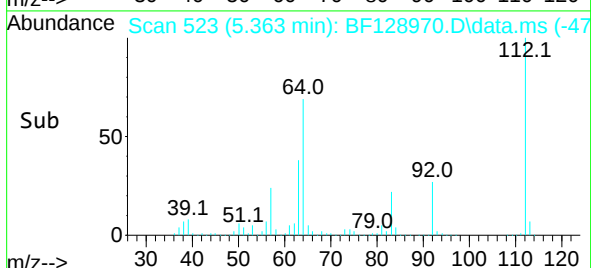
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 98.393 ng
RT: 5.363 min Scan# 523
Delta R.T. 0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



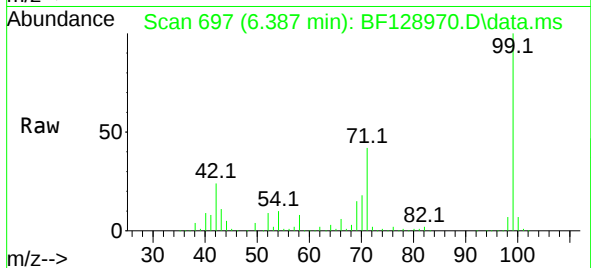
Tgt Ion:112 Resp: 621050
Ion Ratio Lower Upper
112 100
64 68.6 53.3 79.9
63 38.0 28.0 42.0





#7
Phenol-d6
Concen: 106.394 ng
RT: 6.387 min Scan# 64
Delta R.T. -0.000 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

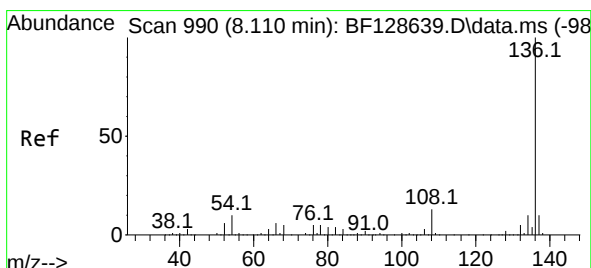
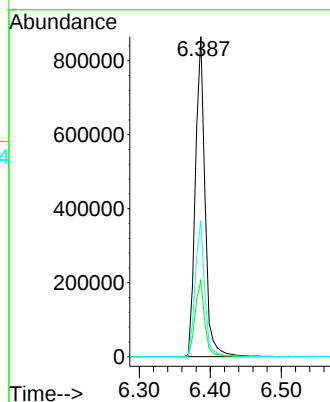
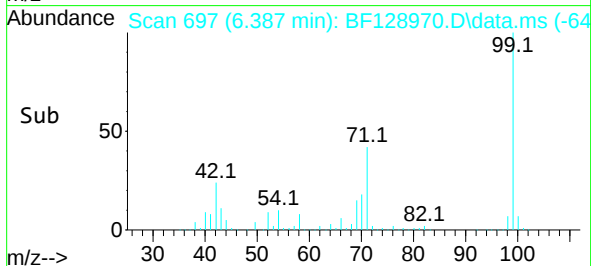
Instrument :
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ClientSampleId :
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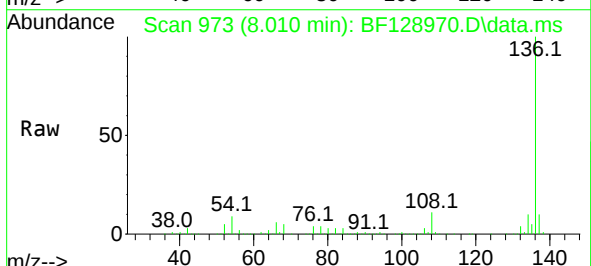
Tgt Ion: 99 Resp: 819738
Ion Ratio Lower Upper
99 100
42 23.8 17.3 25.9
71 42.5 28.9 43.3

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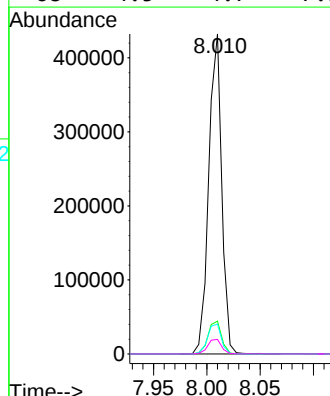
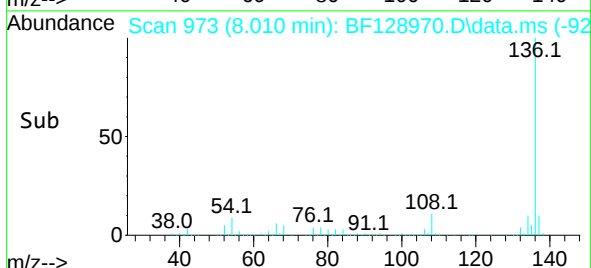
Reviewed By :Christian Giraldo 06/24/2022
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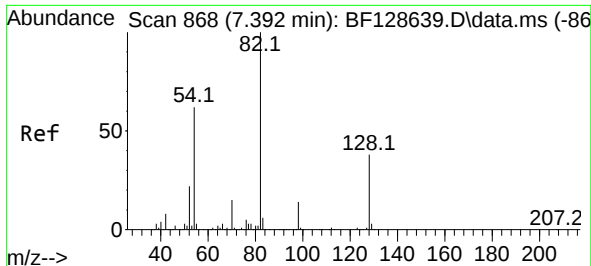


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. -0.000 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



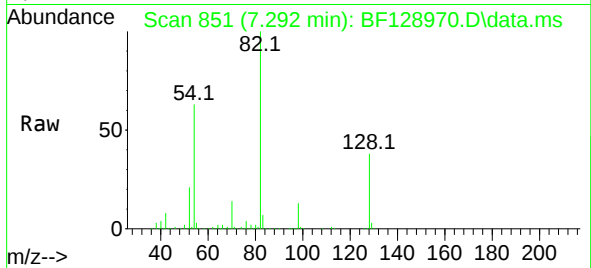
Tgt Ion:136 Resp: 366898
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 9.4 7.5 11.3
68 4.5 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 75.995 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

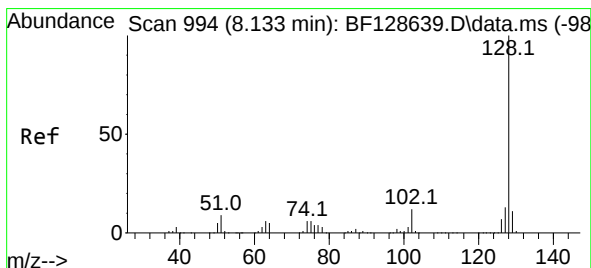
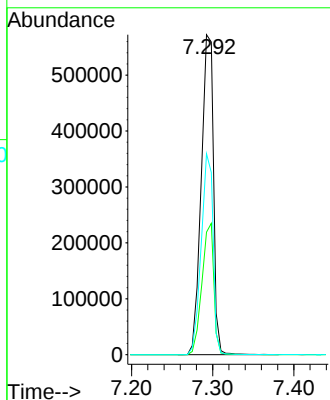
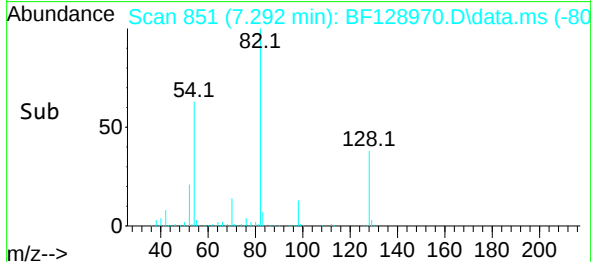
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SB-6-0-2-20220622



Tgt Ion: 82 Resp: 59887
Ion Ratio Lower Upper
82 100
128 38.3 34.0 51.0
54 62.8 46.9 70.3

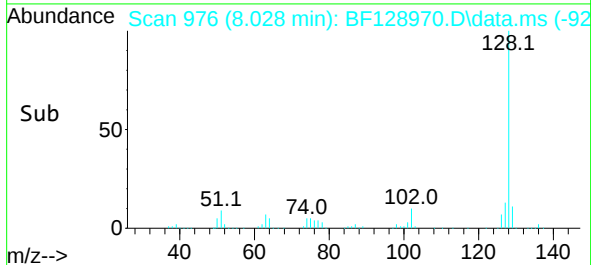
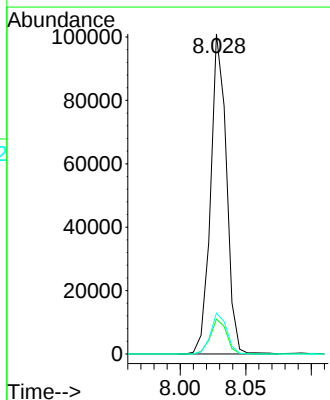
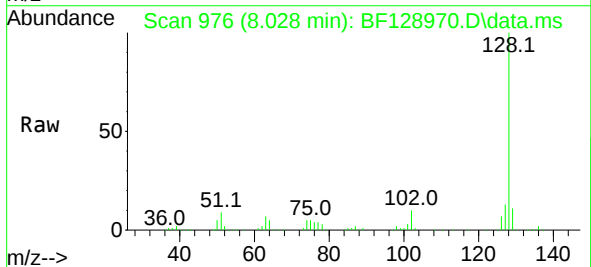
Manual Integrations
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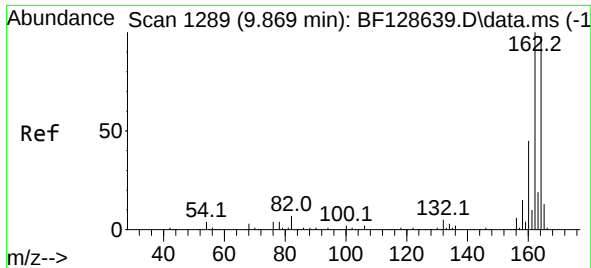
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 4.495 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

Tgt Ion:128 Resp: 84634
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 12.7 10.5 15.7





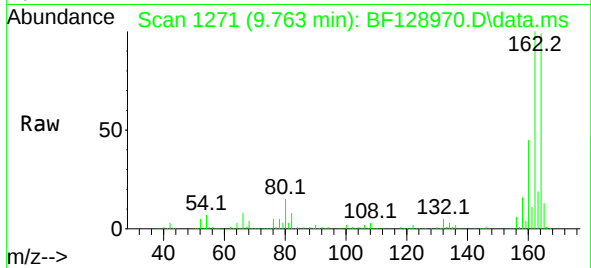
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

Instrument :

BNA_F

ClientSampleId :

SB-6-0-2-20220622

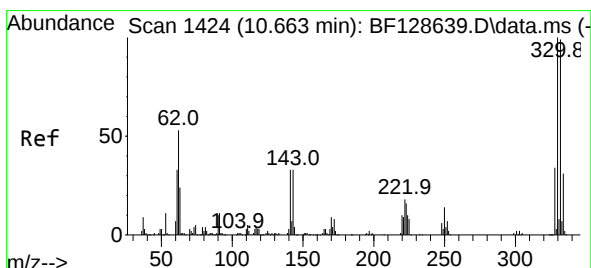
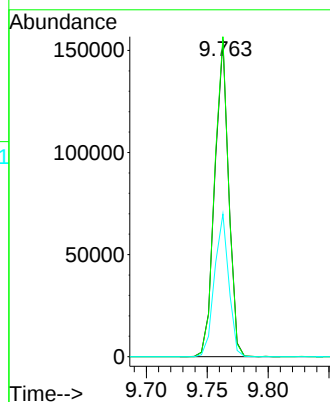


Tgt Ion:164 Resp: 123514
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 45.0 34.2 51.4

Manual Integrations

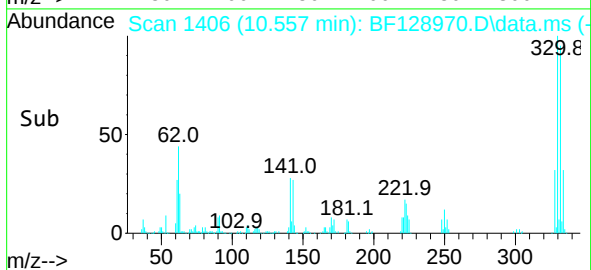
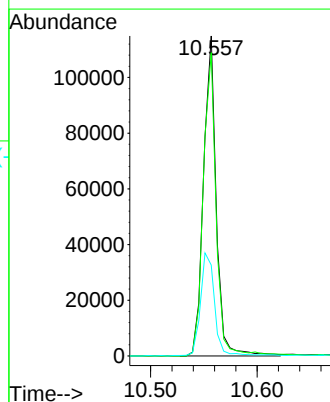
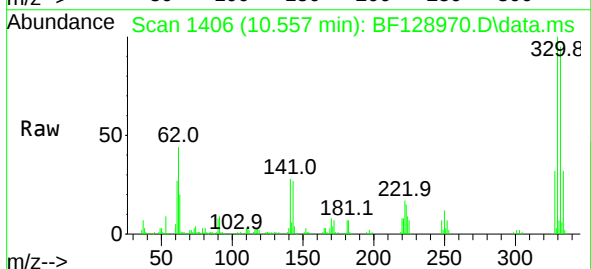
APPROVED

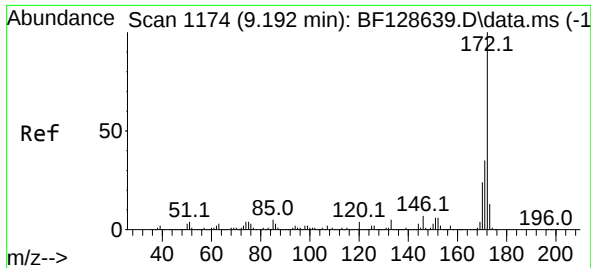
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#42
2,4,6-Tribromophenol
Concen: 65.790 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

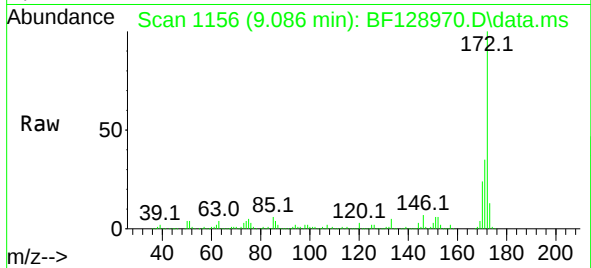
Tgt Ion:330 Resp: 96012
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 36.1 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 84.024 ng
RT: 9.086 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

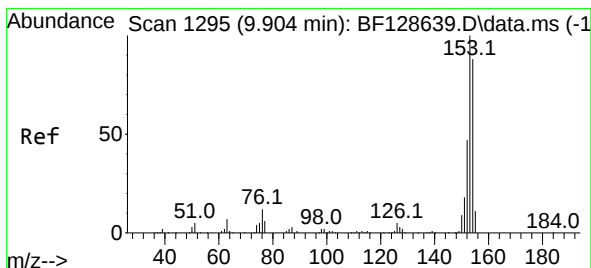
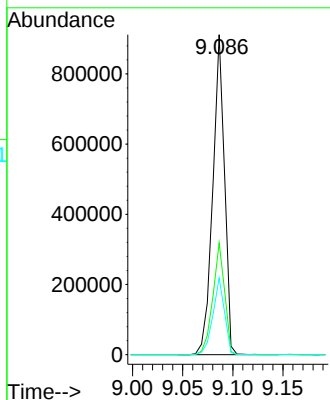
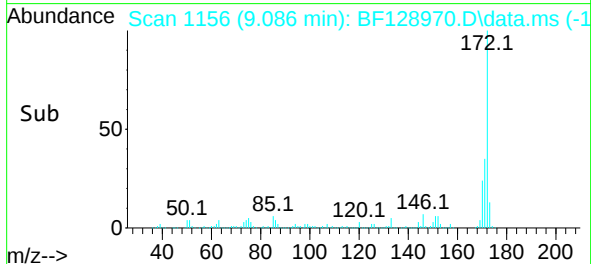
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ClientSampleId :
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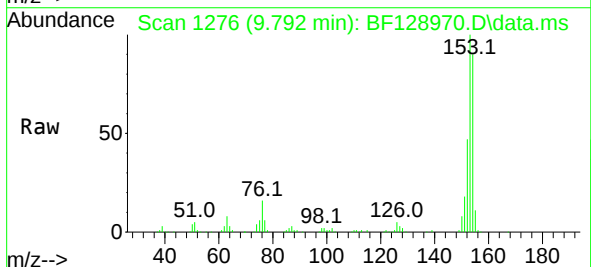
Tgt Ion:172 Resp: 740870
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.0 19.8 29.8

Manual Integrations
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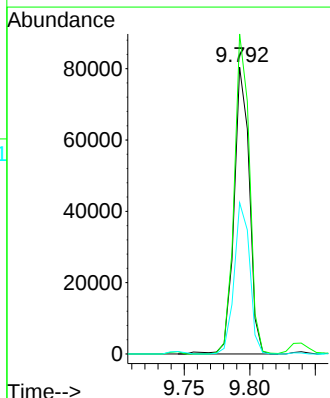
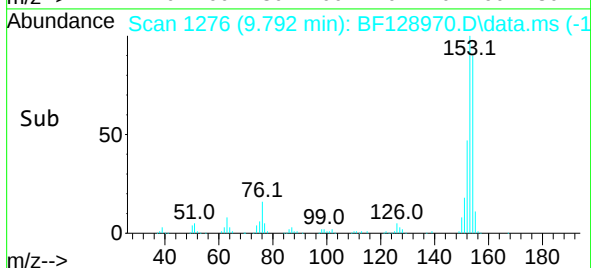
Reviewed By :Christian Giraldo 06/24/2022
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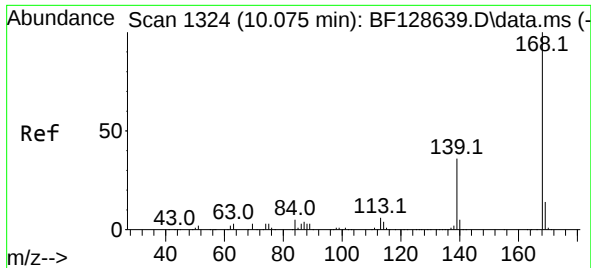


#52
Acenaphthene
Concen: 9.281 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



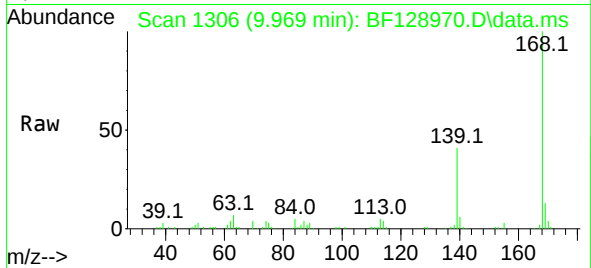
Tgt Ion:154 Resp: 65432
Ion Ratio Lower Upper
154 100
153 111.6 89.6 134.4
152 52.7 42.4 63.6





#55
Dibenzenofuran
Concen: 3.176 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

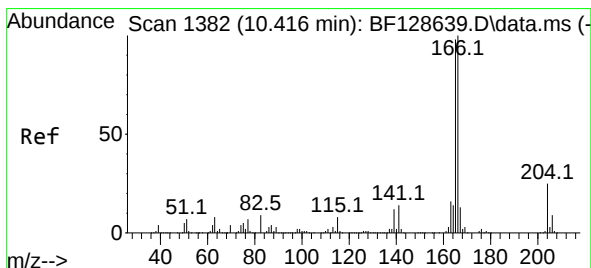
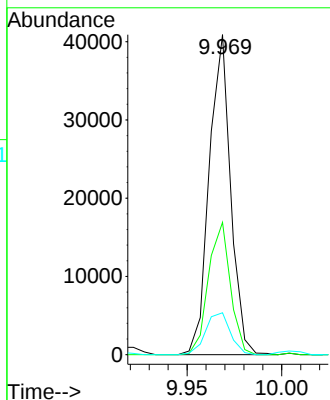
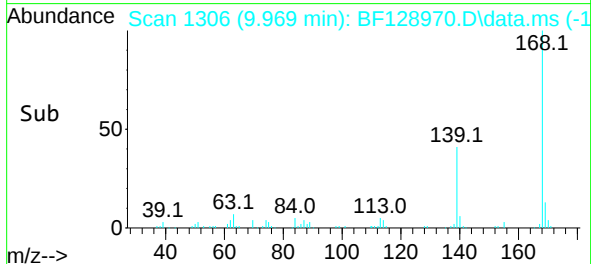
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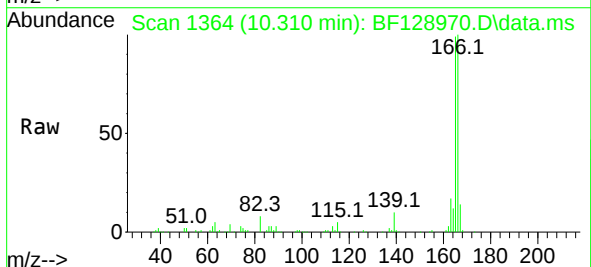
Tgt Ion:168 Resp: 3217
Ion Ratio Lower Upper
168 100
139 41.3 30.6 46.0
169 13.1 11.0 16.6

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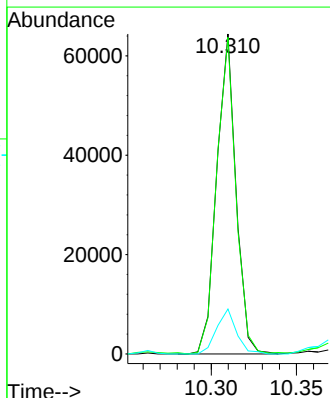
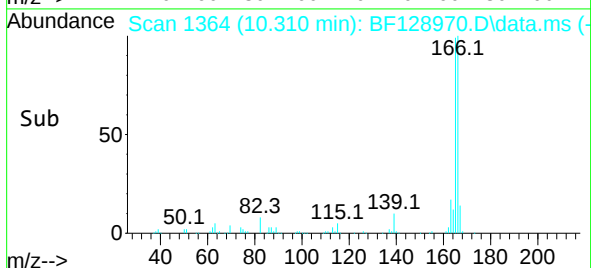
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

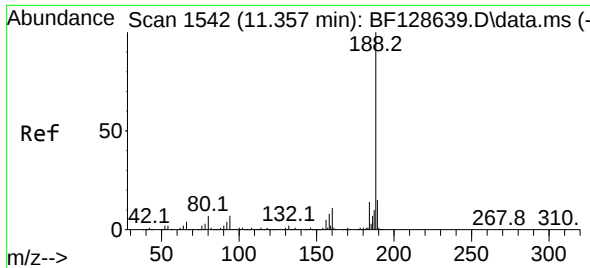


#58
Fluorene
Concen: 6.419 ng
RT: 10.310 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



Tgt Ion:166 Resp: 50441
Ion Ratio Lower Upper
166 100
165 99.0 78.1 117.1
167 14.0 10.5 15.7





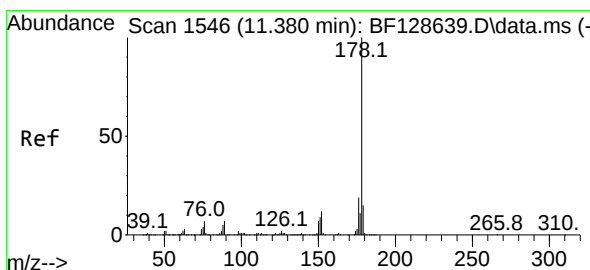
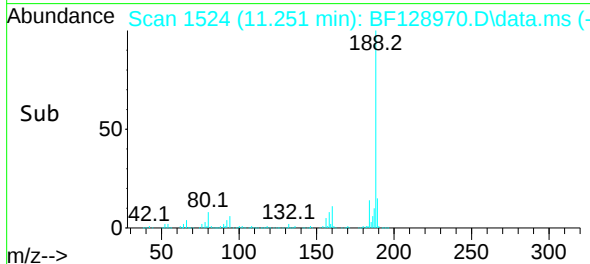
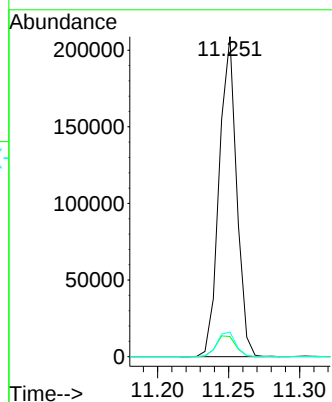
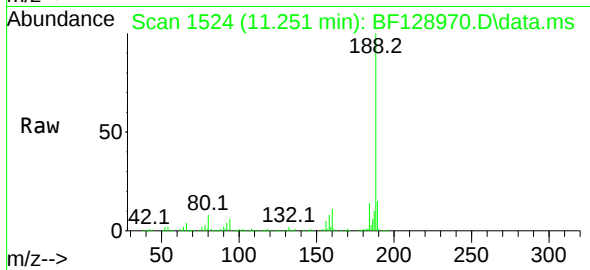
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Tgt Ion:188 Resp: 17822
Ion Ratio Lower Upper
188 100
94 6.3 7.0 10.6
80 7.7 7.6 11.4

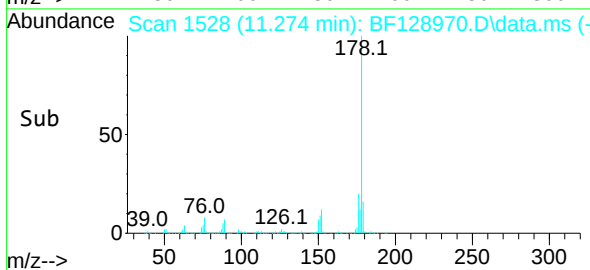
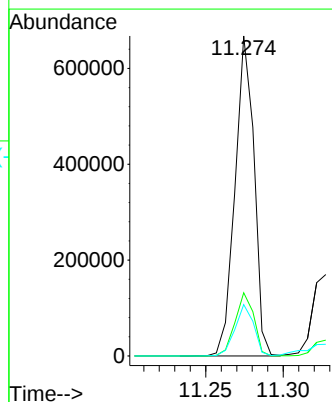
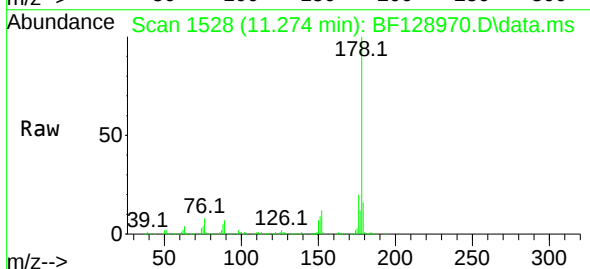
Manual Integrations
APPROVED

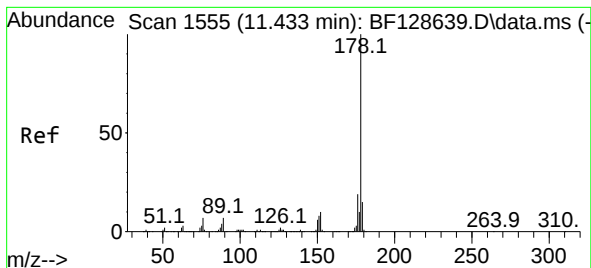
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#71
Phenanthrene
Concen: 63.752 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

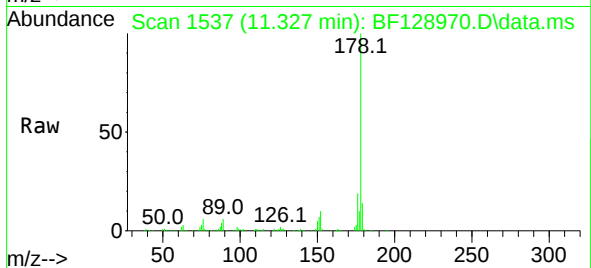
Tgt Ion:178 Resp: 569896
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.1 12.6 19.0





#72
 Anthracene
 Concen: 16.478 ng
 RT: 11.327 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128970.D
 Acq: 24 Jun 2022 00:00

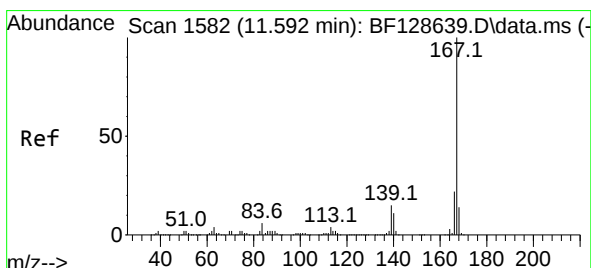
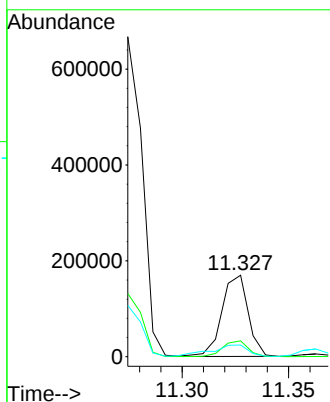
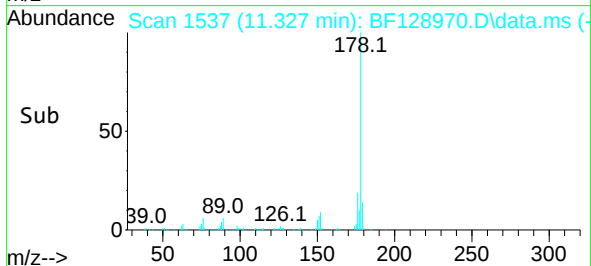
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-0-2-20220622



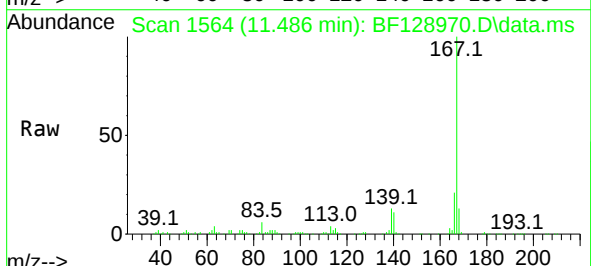
Tgt Ion:178 Resp: 145799
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 14.3 12.6 19.0

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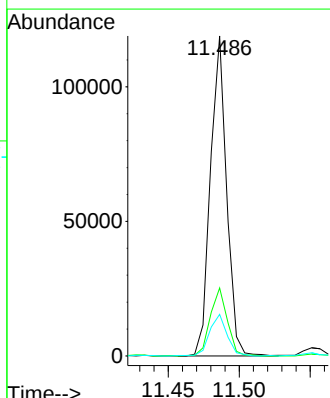
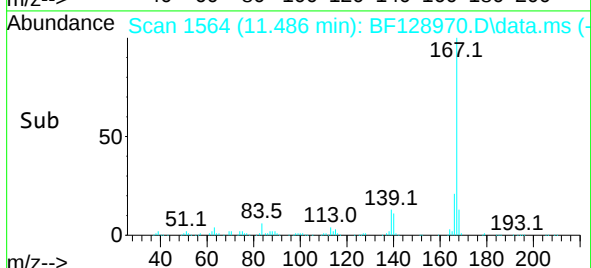
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

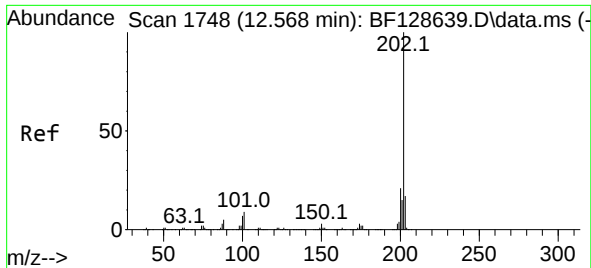


#73
 Carbazole
 Concen: 11.455 ng
 RT: 11.486 min Scan# 1564
 Delta R.T. -0.006 min
 Lab File: BF128970.D
 Acq: 24 Jun 2022 00:00



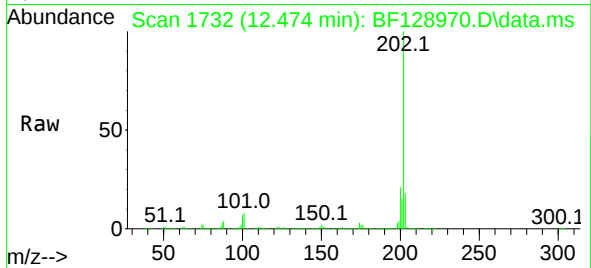
Tgt Ion:167 Resp: 94133
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 13.0 11.2 16.8





#75
Fluoranthene
Concen: 138.896 ng
RT: 12.474 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

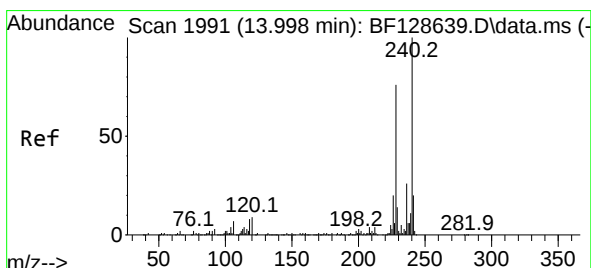
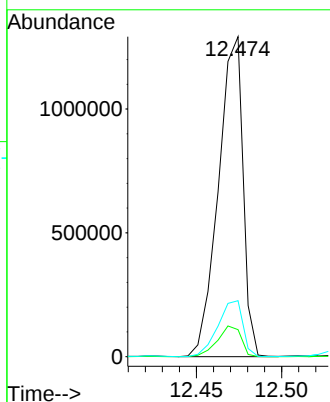
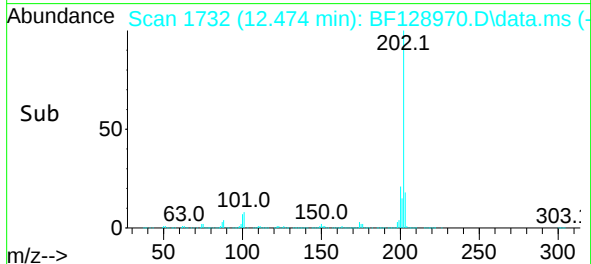
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



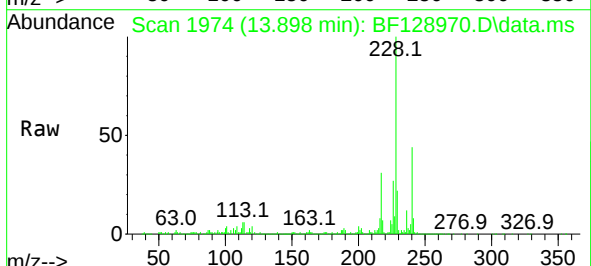
Tgt Ion:202 Resp: 1297864
Ion Ratio Lower Upper
202 100
101 8.4 0.0 31.4
203 17.5 0.0 38.0

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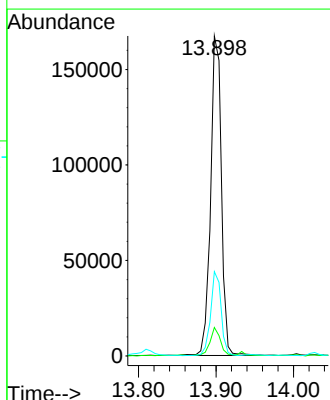
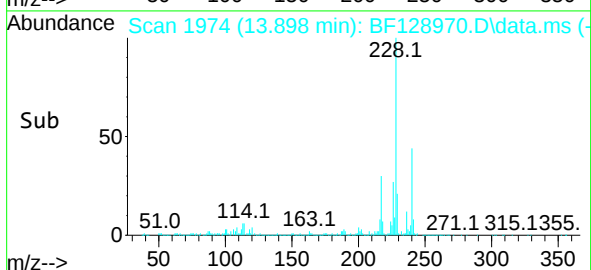
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

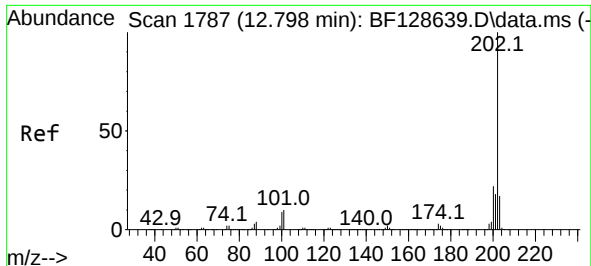


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



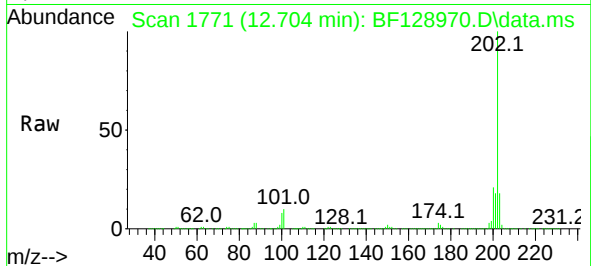
Tgt Ion:240 Resp: 162187
Ion Ratio Lower Upper
240 100
120 8.9 8.9 13.3
236 26.4 20.8 31.2





#78
Pyrene
Concen: 96.452 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

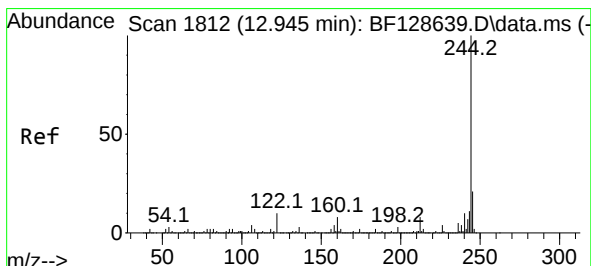
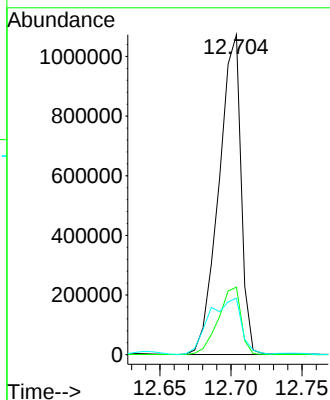
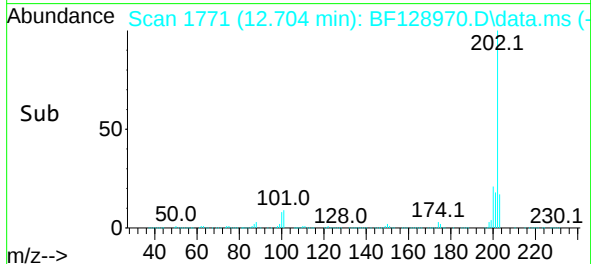
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



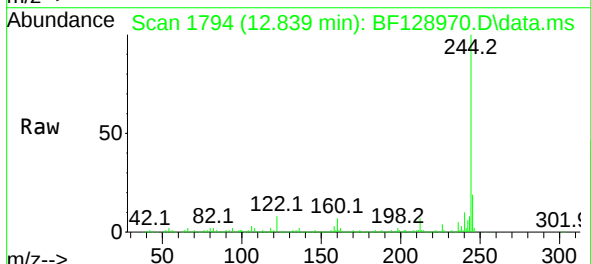
Tgt Ion:202 Resp: 1163840
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.6 14.6 21.8

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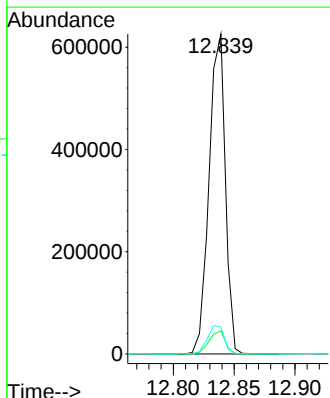
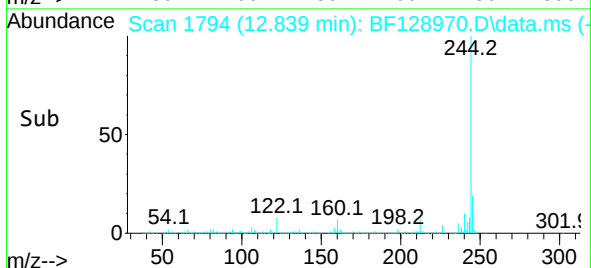
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

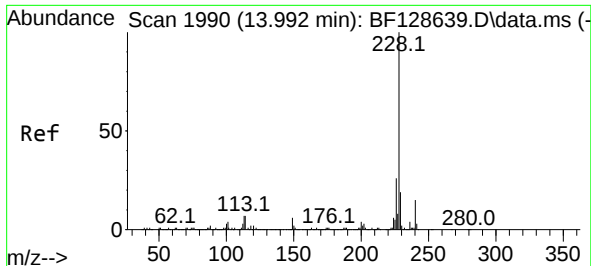


#79
Terphenyl-d14
Concen: 62.368 ng
RT: 12.839 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



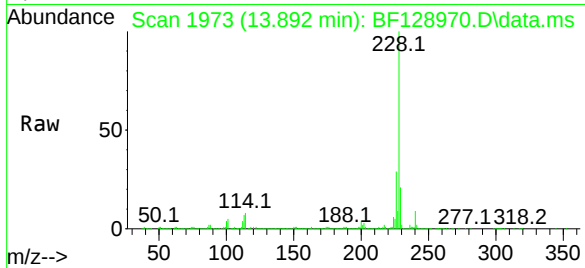
Tgt Ion:244 Resp: 582129
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 8.3 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 85.355 ng
RT: 13.892 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

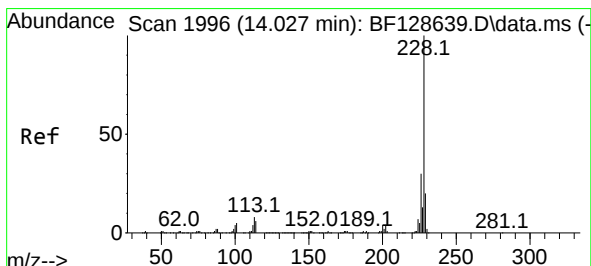
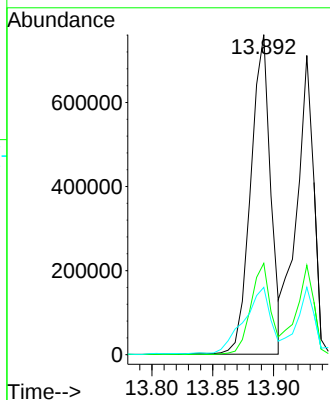
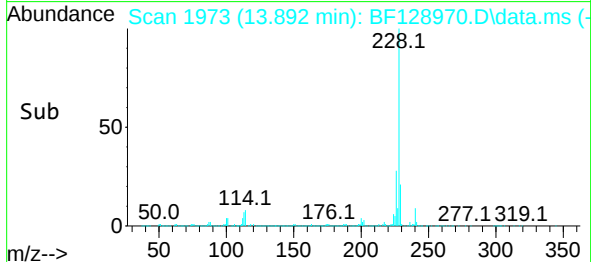
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



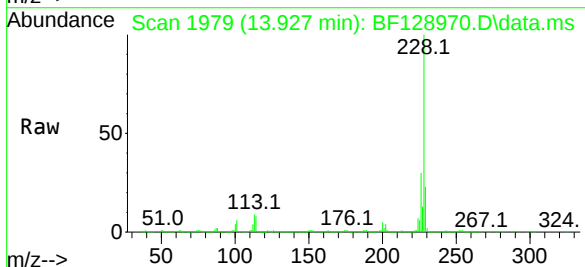
Tgt Ion:228 Resp: 86291
Ion Ratio Lower Upper
228 100
226 28.6 22.1 33.1
229 21.0 15.8 23.8

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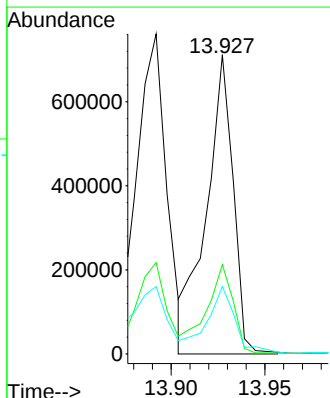
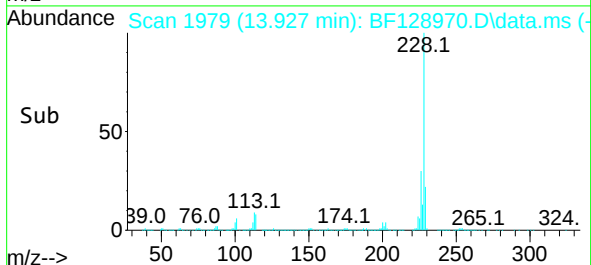
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

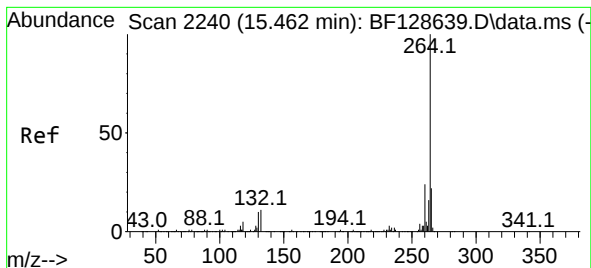


#83
Chrysene
Concen: 73.339 ng m
RT: 13.927 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00



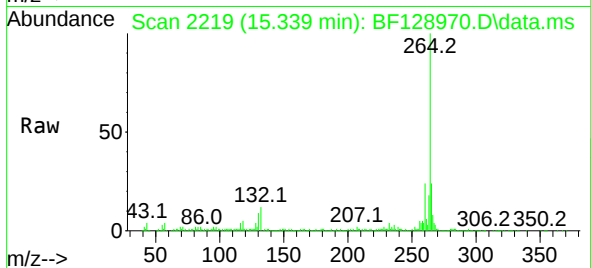
Tgt Ion:228 Resp: 706866
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 22.6 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.339 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF128970.D
 Acq: 24 Jun 2022 00:00

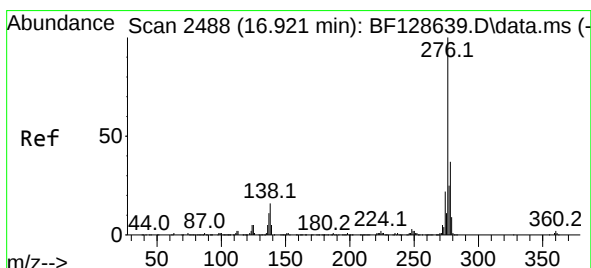
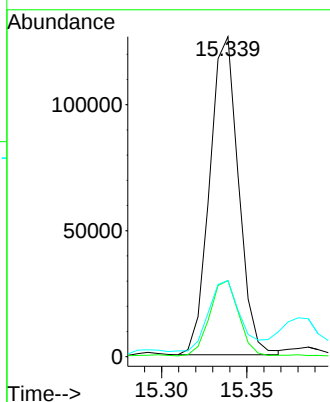
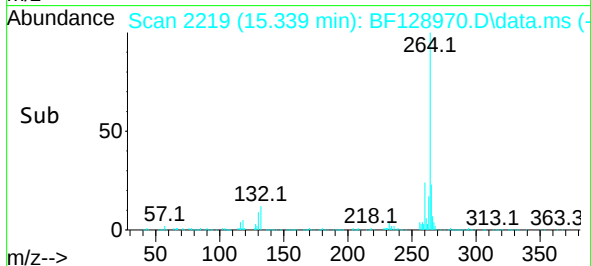
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-0-2-20220622



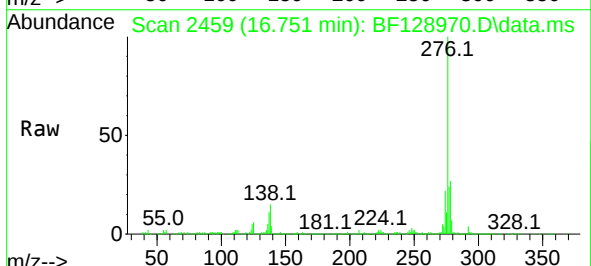
Tgt Ion:264 Resp: 14917
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.4 27.6
 265 23.8 17.2 25.8

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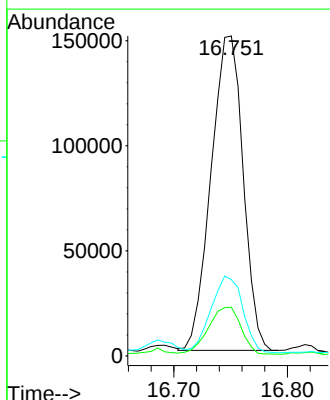
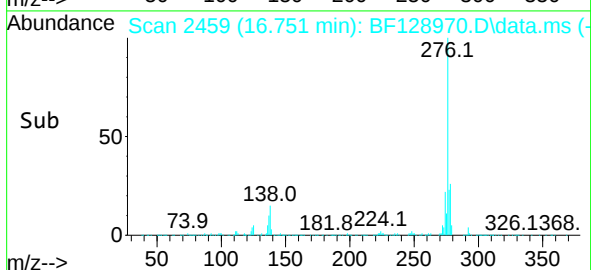
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

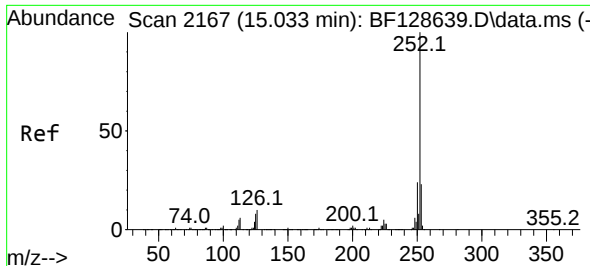


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 32.630 ng
 RT: 16.751 min Scan# 2459
 Delta R.T. 0.006 min
 Lab File: BF128970.D
 Acq: 24 Jun 2022 00:00



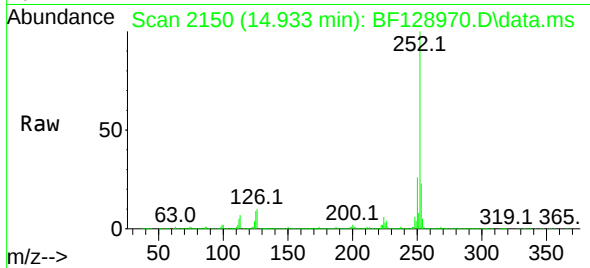
Tgt Ion:276 Resp: 293372
 Ion Ratio Lower Upper
 276 100
 138 15.7 21.1 31.7#
 277 24.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 110.341 ng m
RT: 14.933 min Scan# 2167
Delta R.T. 0.012 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

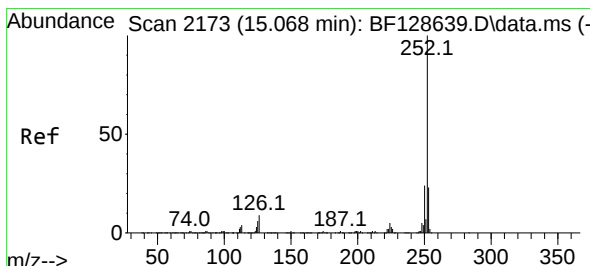
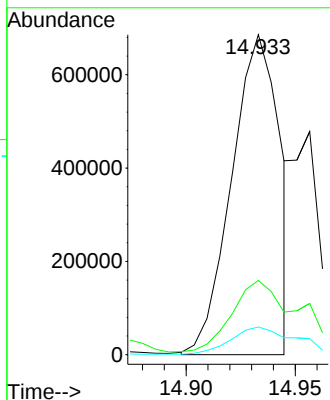
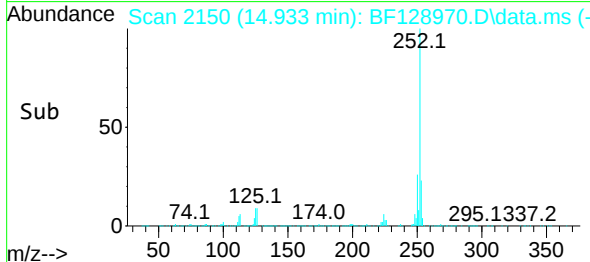
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:252 Resp: 1051754
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.6 8.0 12.0

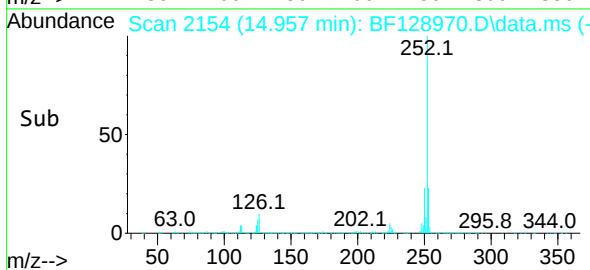
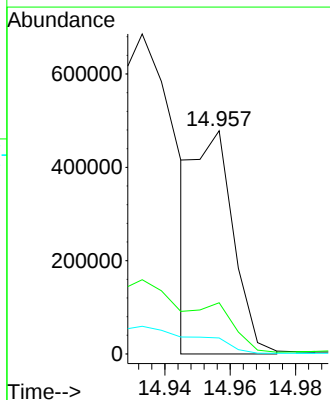
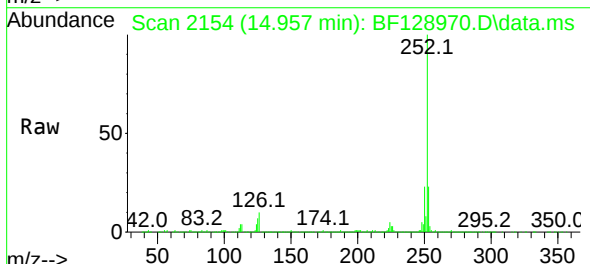
Manual Integrations
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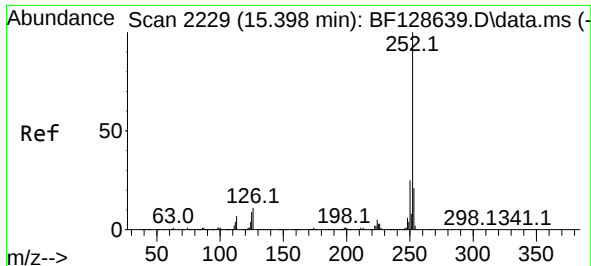
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#89
Benzo(k)fluoranthene
Concen: 43.681 ng m
RT: 14.957 min Scan# 2154
Delta R.T. 0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

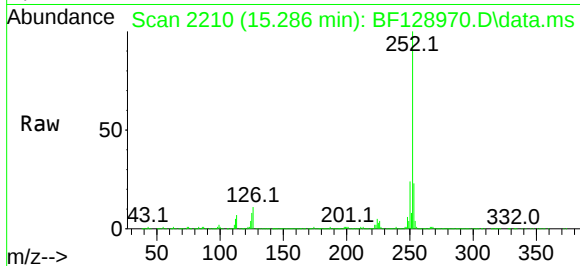
Tgt Ion:252 Resp: 391663
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 7.2 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 89.947 ng m
RT: 15.286 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

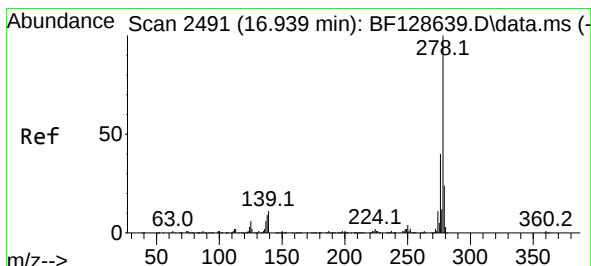
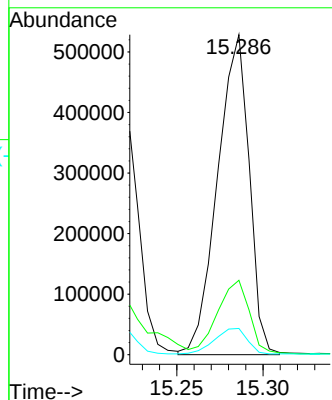
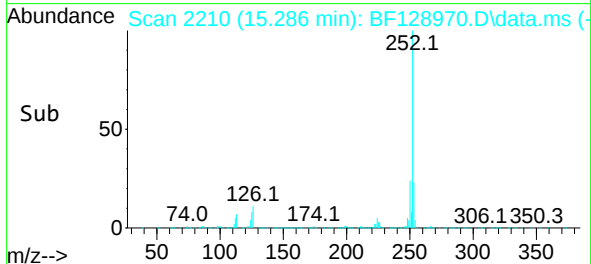
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:252 Resp: 67385
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 8.2 8.8 13.2

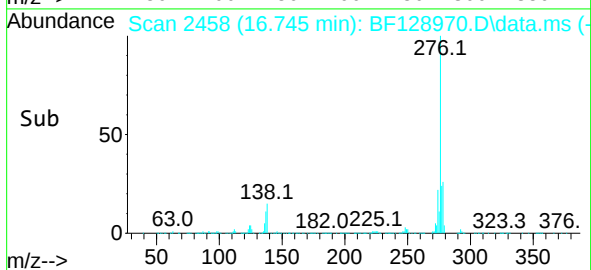
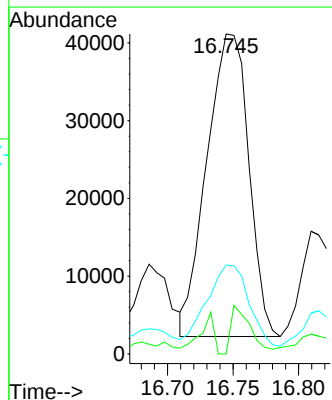
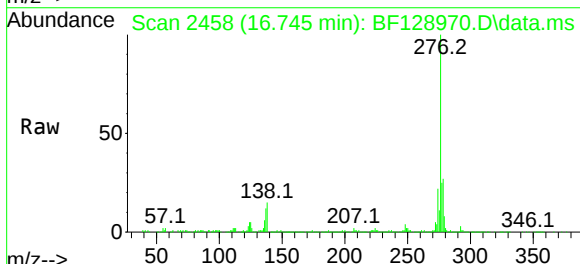
Manual Integrations
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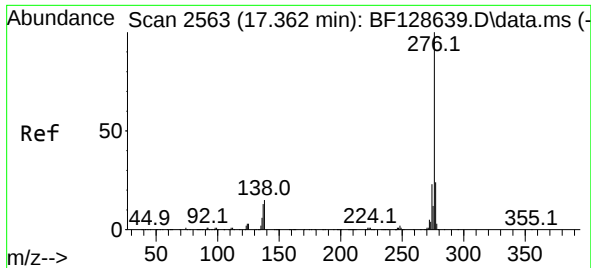
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#91
Dibenzo(a,h)anthracene
Concen: 11.578 ng
RT: 16.745 min Scan# 2458
Delta R.T. -0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

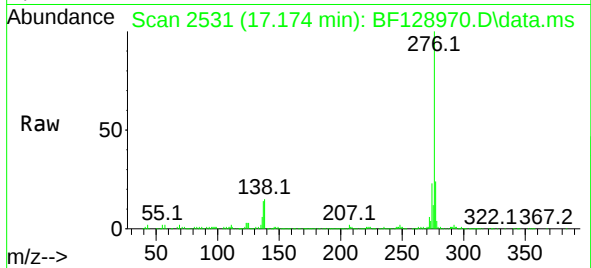
Tgt Ion:278 Resp: 86346
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 27.8 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 36.237 ng
RT: 17.174 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF128970.D
Acq: 24 Jun 2022 00:00

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:276 Resp: 26784
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 14.9 18.0 27.0

Manual Integrations
APPROVED

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

