

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128971.D
 Acq On : 24 Jun 2022 00:29
 Operator : CG\JU
 Sample : N3462-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-4-6-20220622

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:38:09 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	96439	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	348307	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	170813	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	265057	20.000	ng	# 0.00
76) Chrysene-d12	13.892	240	224079	20.000	ng	0.00
86) Perylene-d12	15.327	264	196413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	532861	88.010	ng	0.00
7) Phenol-d6	6.386	99	696516	94.243	ng	0.00
23) Nitrobenzene-d5	7.292	82	496550	66.374	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	124867	61.869	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	865764	70.999	ng	0.00
79) Terphenyl-d14	12.839	244	760459	58.970	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.028	128	43250	2.420	ng	98
52) Acenaphthene	9.792	154	30036	3.081	ng	96
58) Fluorene	10.310	166	27774	2.556	ng	98
71) Phenanthrene	11.274	178	308891	23.234	ng	99
72) Anthracene	11.321	178	73588	5.592	ng	97
73) Carbazole	11.486	167	41272	3.377	ng	96
75) Fluoranthene	12.463	202	461092	33.179	ng	97
78) Pyrene	12.692	202	380400	22.818	ng	98
81) Benzo(a)anthracene	13.880	228	241759	17.309	ng	99
83) Chrysene	13.921	228	206895	15.537	ng	98
87) Indeno(1,2,3-cd)pyrene	16.739	276	81631	6.895	ng	# 90
88) Benzo(b)fluoranthene	14.921	252	262620m	20.925	ng	
89) Benzo(k)fluoranthene	14.945	252	96746m	8.194	ng	
90) Benzo(a)pyrene	15.268	252	170825	17.318	ng	94
91) Dibenzo(a,h)anthracene	16.733	278	27175m	2.767	ng	
92) Benzo(g,h,i)perylene	17.162	276	74604	7.666	ng	# 93

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

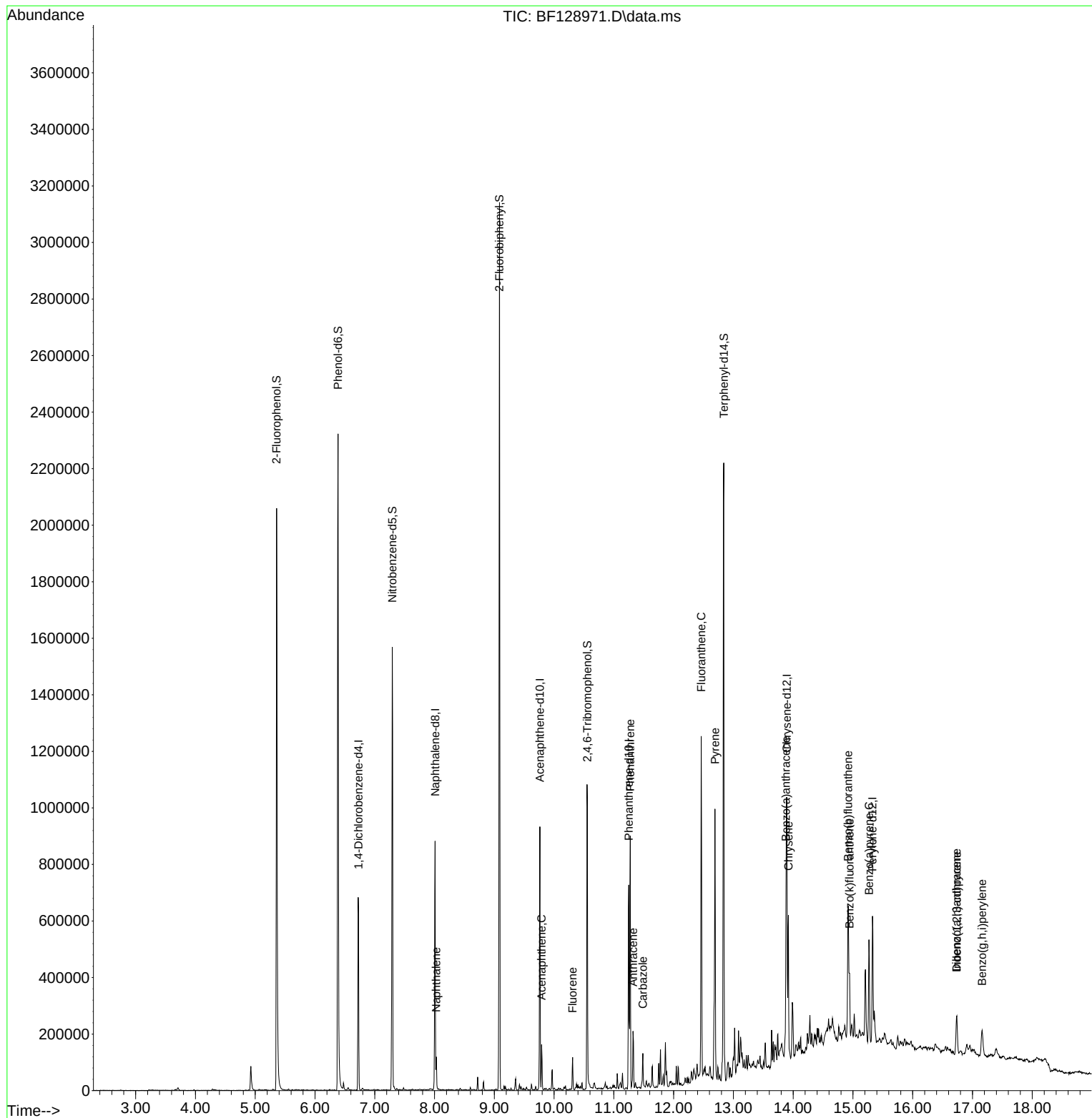
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
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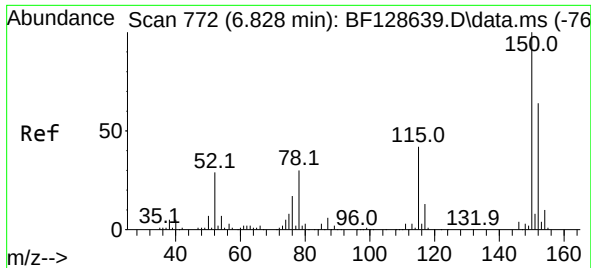
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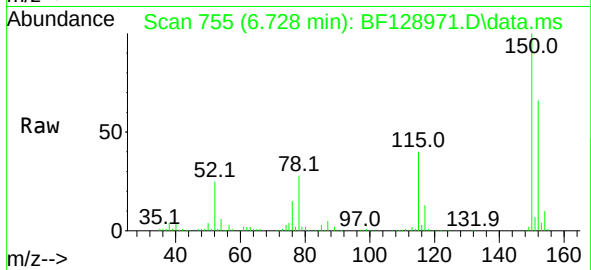
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

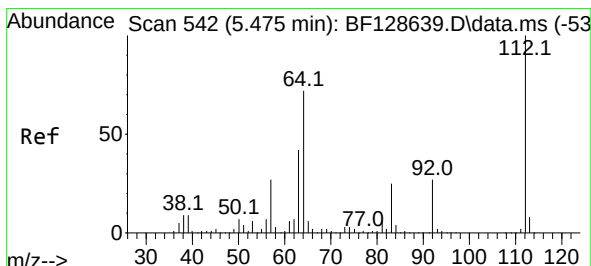
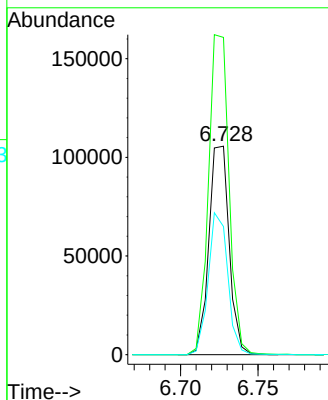
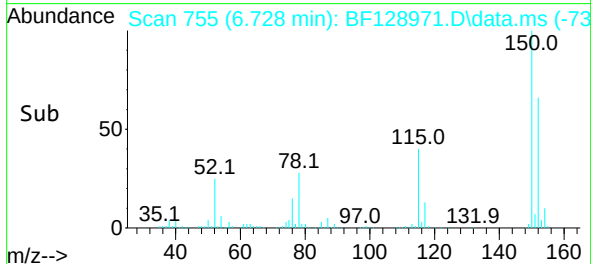
Instrument :
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ClientSampleId :
SB-6-4-6-20220622



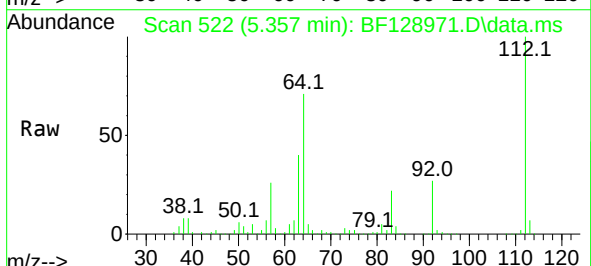
Tgt Ion:152 Resp: 96439
Ion Ratio Lower Upper
152 100
150 152.1 123.7 185.5
115 61.5 49.9 74.9

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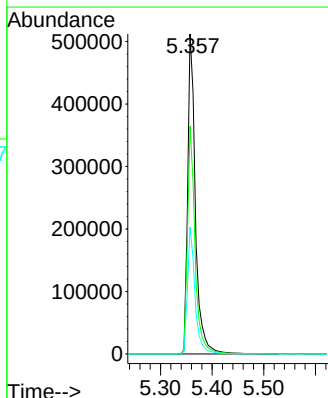
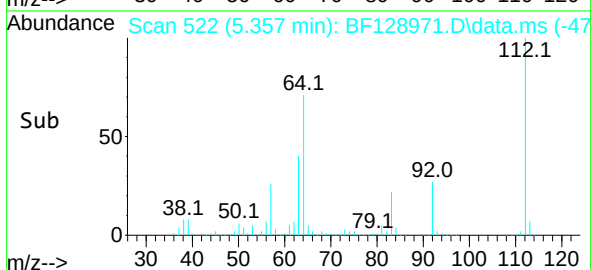
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

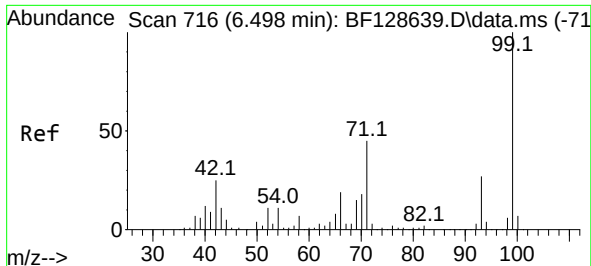


#5
2-Fluorophenol
Concen: 88.010 ng
RT: 5.357 min Scan# 522
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29



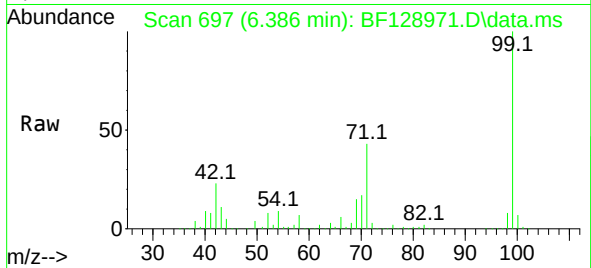
Tgt Ion:112 Resp: 532861
Ion Ratio Lower Upper
112 100
64 71.2 53.3 79.9
63 39.6 28.0 42.0





#7
Phenol-d6
Concen: 94.243 ng
RT: 6.386 min Scan# 697
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

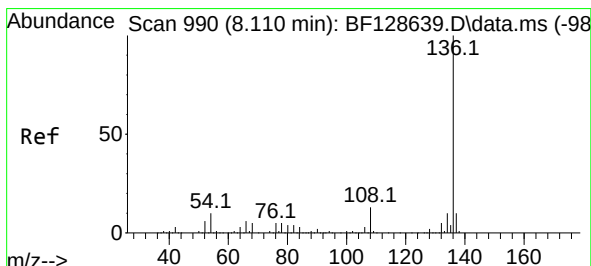
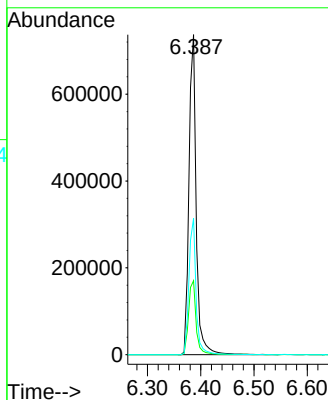
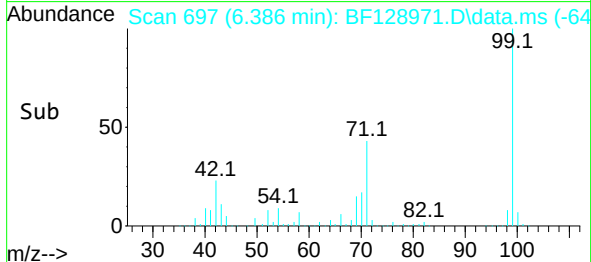
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Tgt Ion: 99 Resp: 696510
Ion Ratio Lower Upper
99 100
42 23.1 17.3 25.9
71 42.6 28.9 43.3

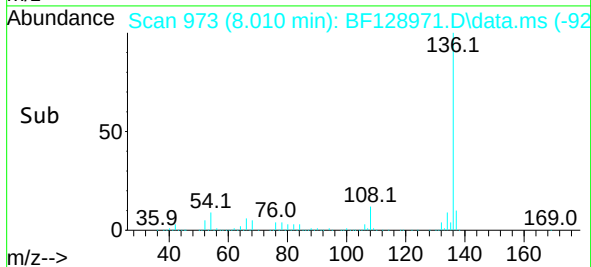
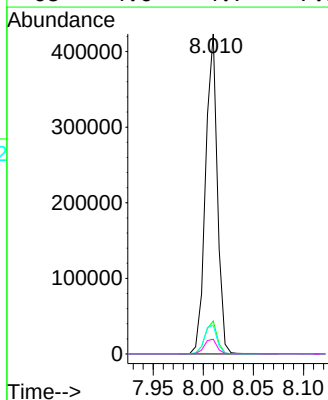
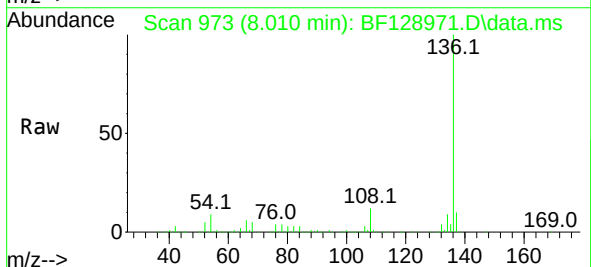
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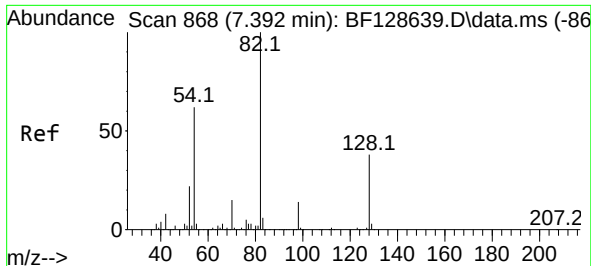
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

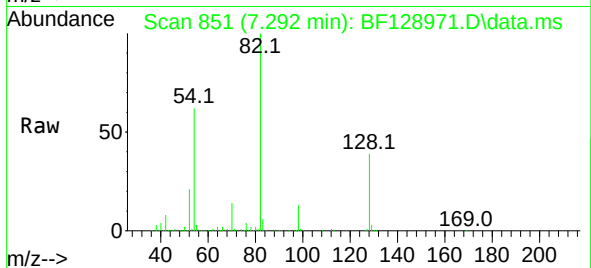
Tgt Ion:136 Resp: 348307
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 8.9 7.5 11.3
68 4.6 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 66.374 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

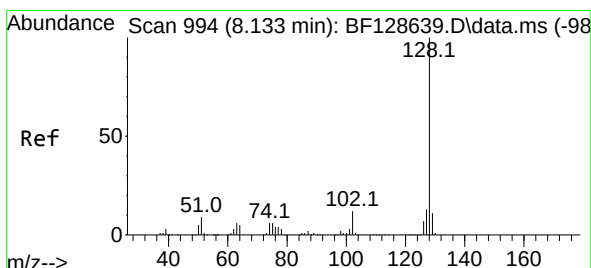
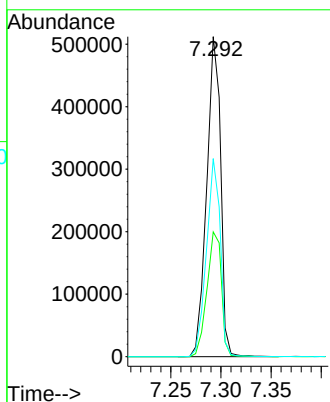
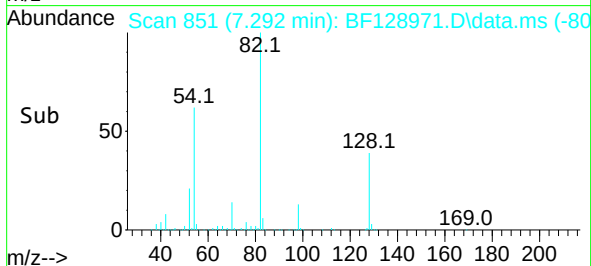
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Tgt Ion: 82 Resp: 496550
Ion Ratio Lower Upper
82 100
128 39.0 34.0 51.0
54 61.9 46.9 70.3

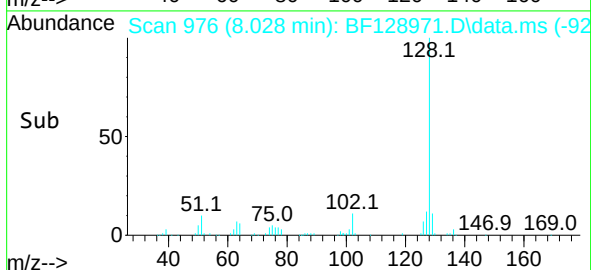
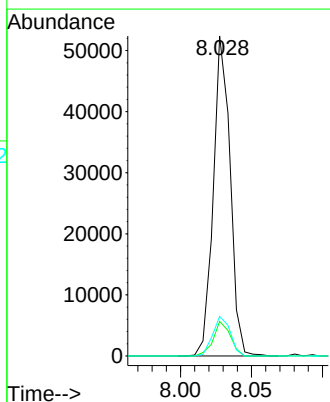
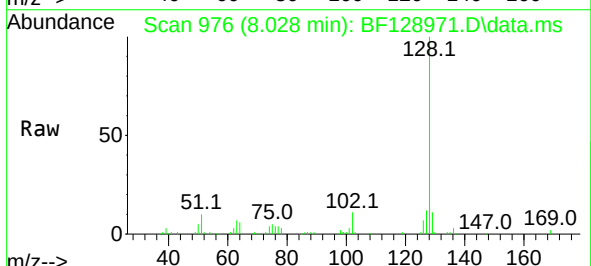
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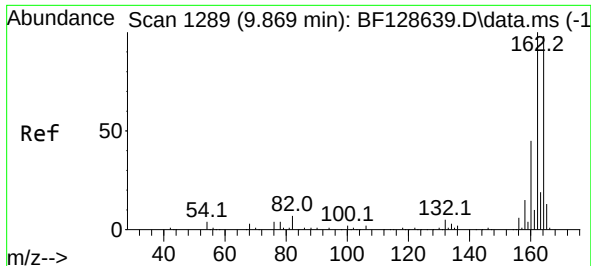
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 2.420 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

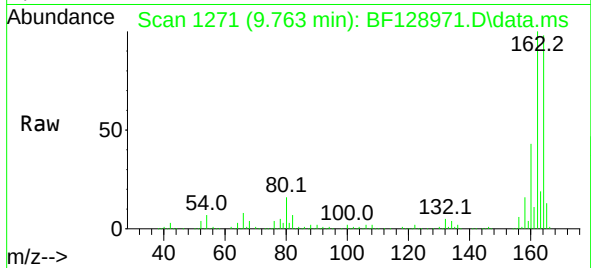
Tgt Ion:128 Resp: 43250
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 12.3 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

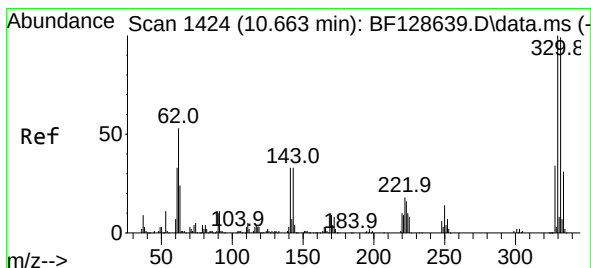
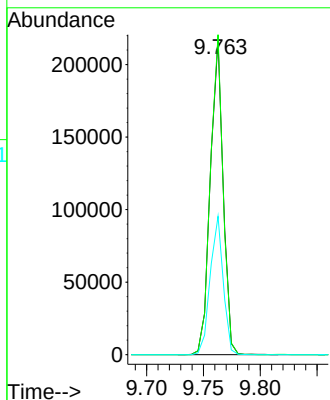
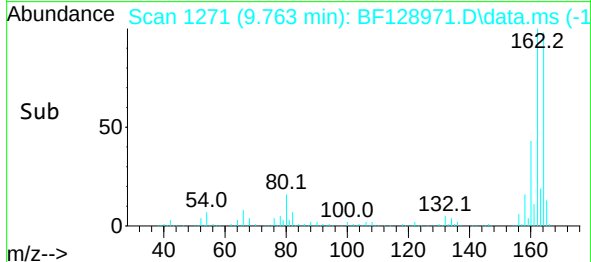
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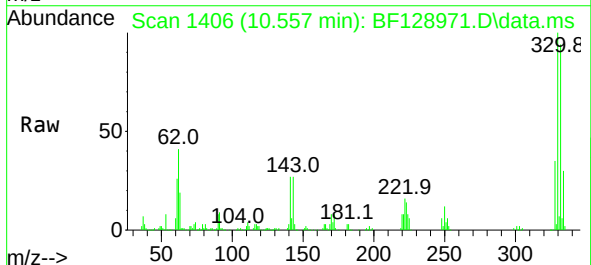
Tgt Ion:164 Resp: 17081
Ion Ratio Lower Upper
164 100
162 101.7 79.5 119.3
160 44.0 34.2 51.4

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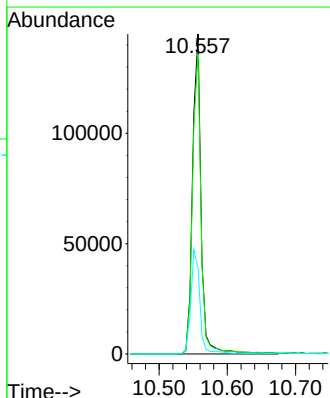
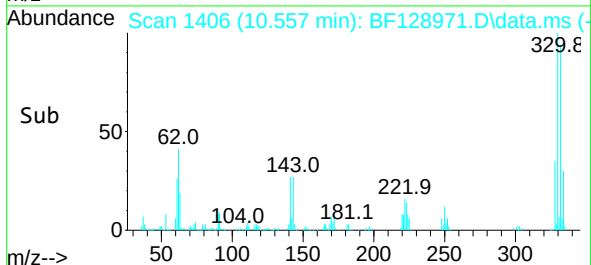
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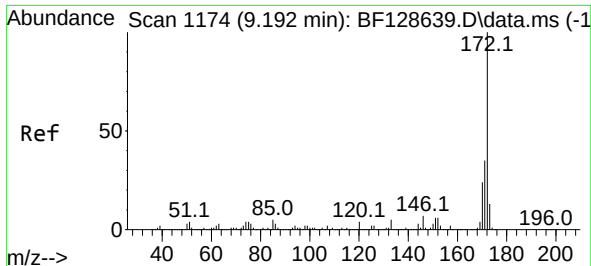


#42
2,4,6-Tribromophenol
Concen: 61.869 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29



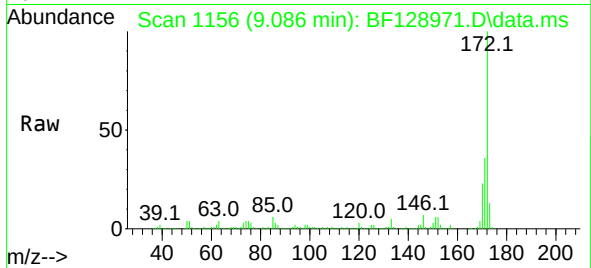
Tgt Ion:330 Resp: 124867
Ion Ratio Lower Upper
330 100
332 93.1 76.8 115.2
141 34.7 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 70.999 ng
RT: 9.086 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

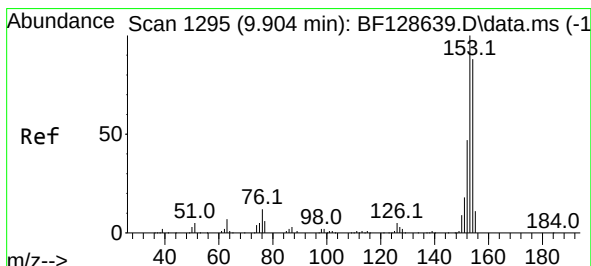
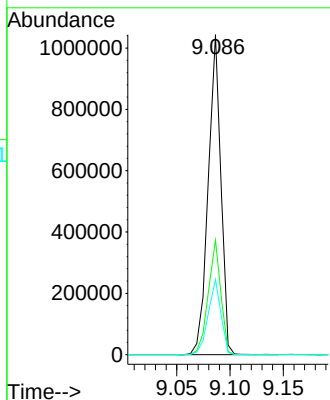
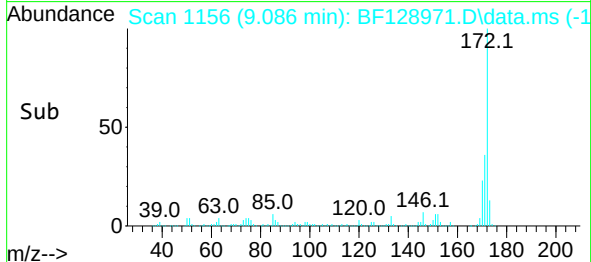
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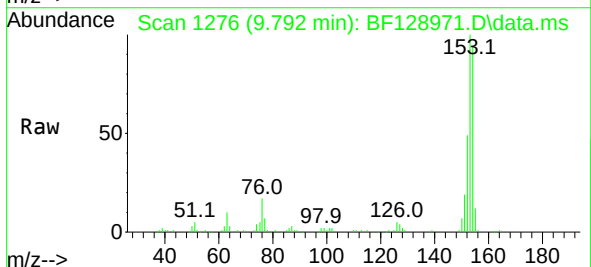
Tgt Ion:172 Resp: 865764
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.5 19.8 29.8

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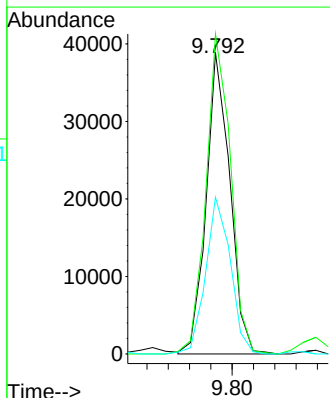
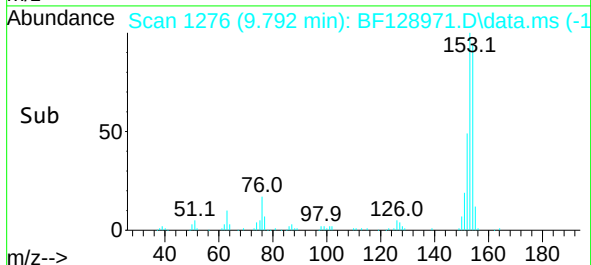
Reviewed By :Christian Giraldo 06/24/2022
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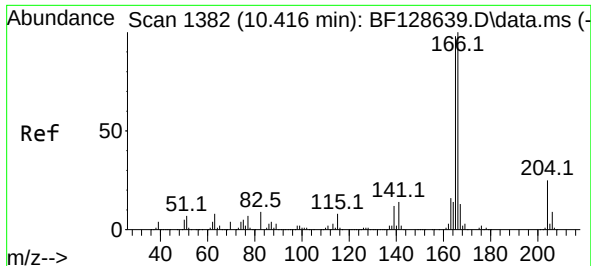


#52
Acenaphthene
Concen: 3.081 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29



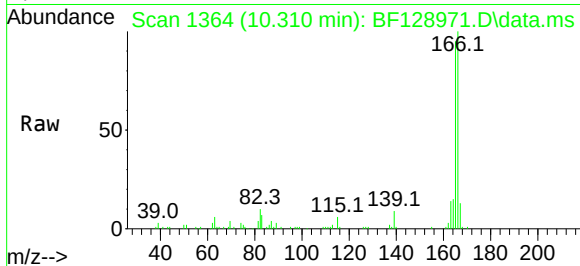
Tgt Ion:154 Resp: 30036
Ion Ratio Lower Upper
154 100
153 106.2 89.6 134.4
152 52.0 42.4 63.6





#58
Fluorene
Concen: 2.556 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

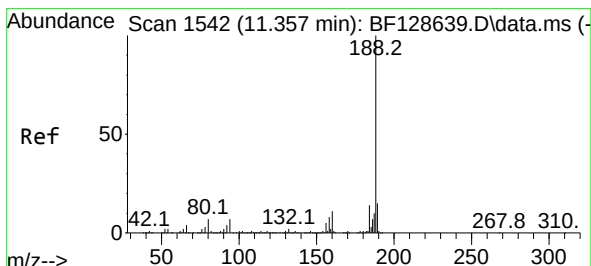
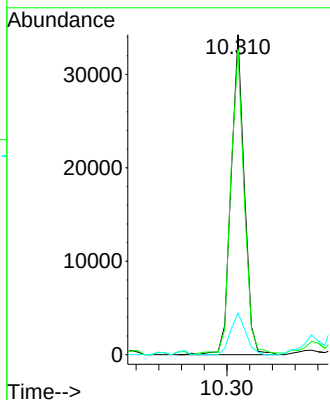
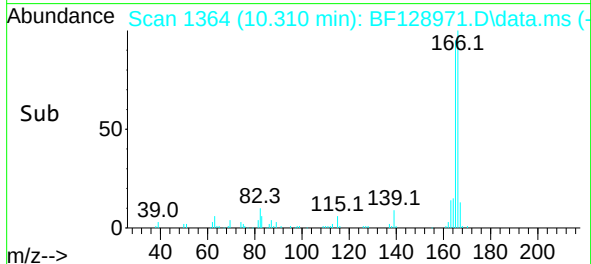
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Tgt Ion:166 Resp: 27774
Ion Ratio Lower Upper
166 100
165 95.3 78.1 117.1
167 13.0 10.5 15.7

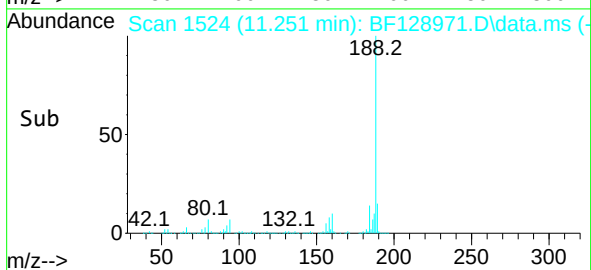
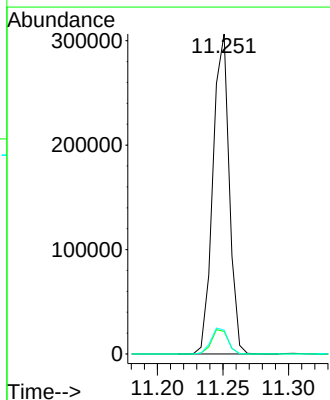
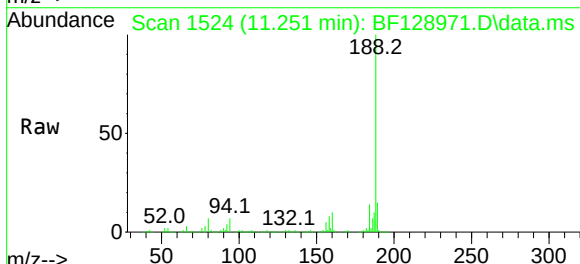
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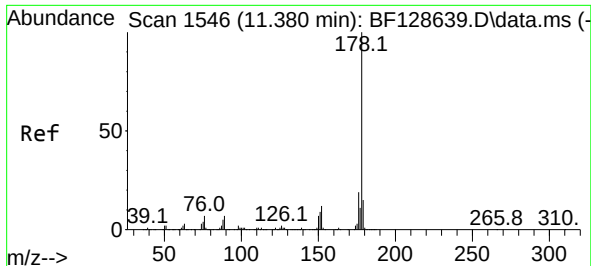
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

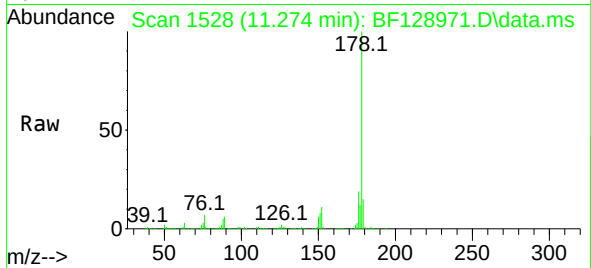
Tgt Ion:188 Resp: 265057
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 7.4 7.6 11.4#





#71
Phenanthrene
Concen: 23.234 ng
RT: 11.274 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

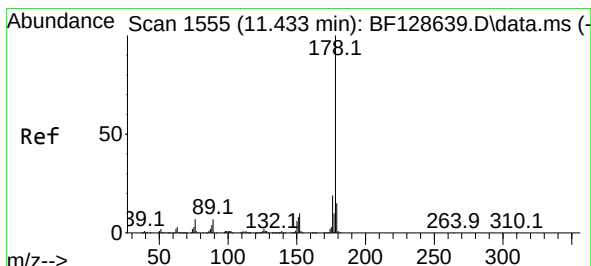
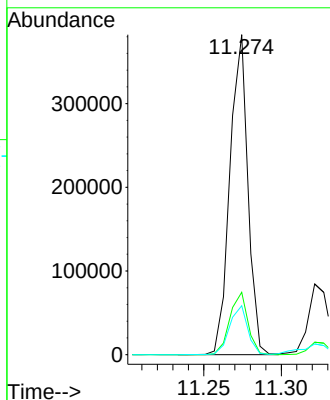
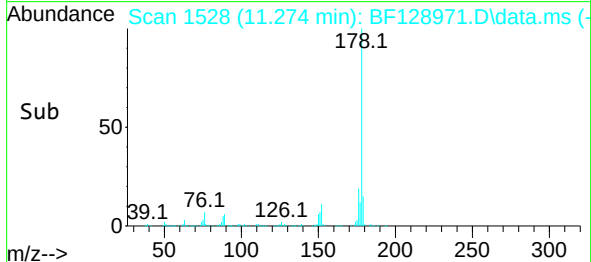
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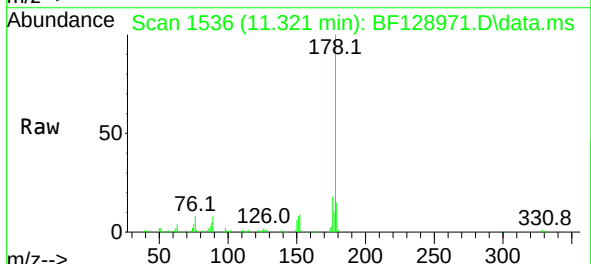
Tgt Ion:178 Resp: 30889
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.3 12.6 19.0

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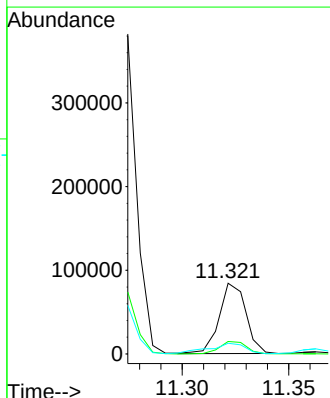
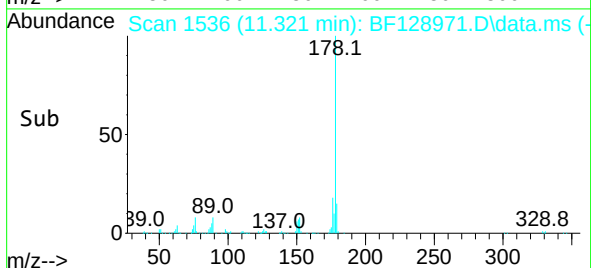
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

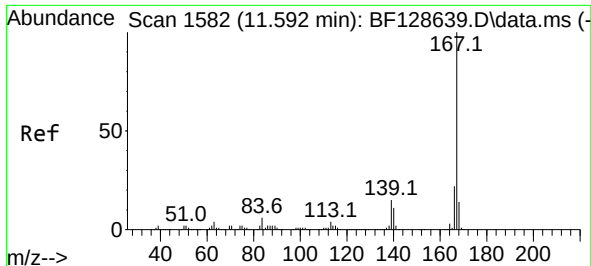


#72
Anthracene
Concen: 5.592 ng
RT: 11.321 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29



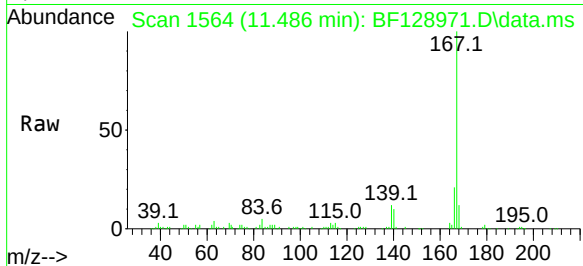
Tgt Ion:178 Resp: 73588
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 15.3 12.6 19.0





#73
 Carbazole
 Concen: 3.377 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128971.D
 Acq: 24 Jun 2022 00:29

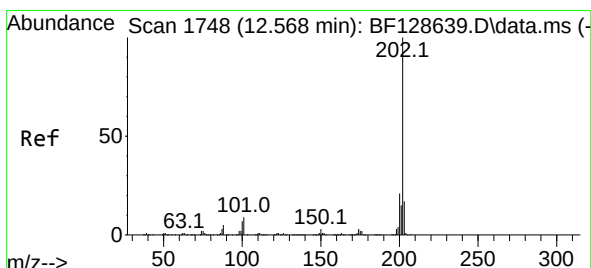
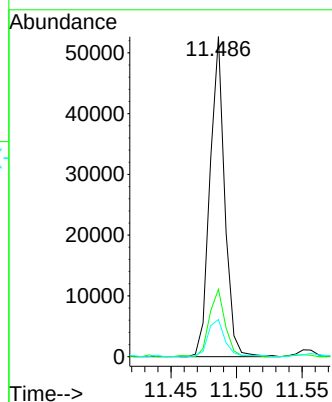
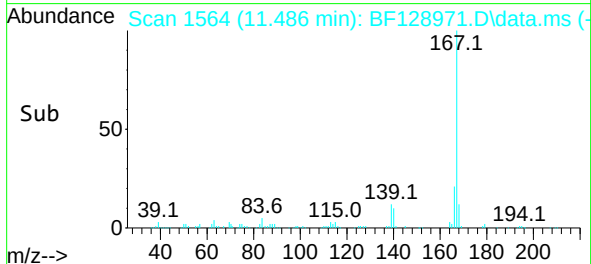
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-4-6-20220622



Tgt Ion:167 Resp: 41272
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.7 26.5
 139 11.6 11.2 16.8

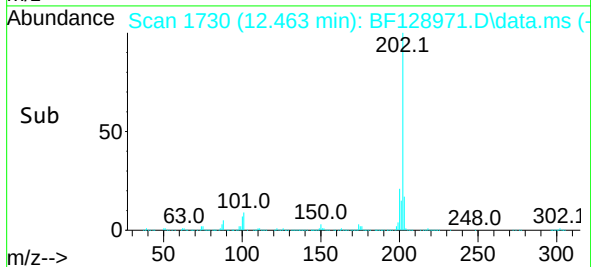
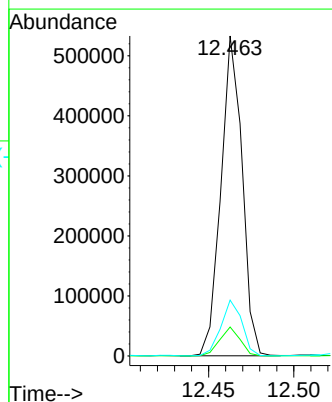
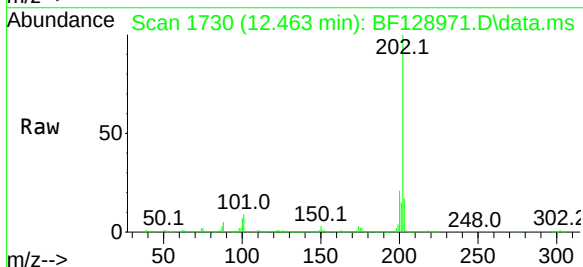
Manual Integrations
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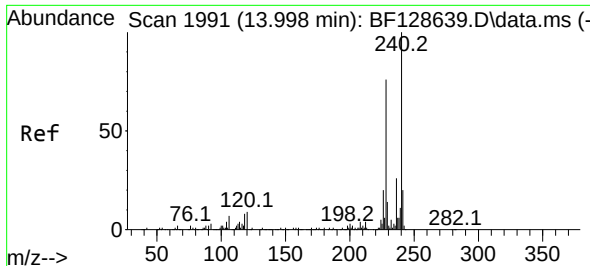
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#75
 Fluoranthene
 Concen: 33.179 ng
 RT: 12.463 min Scan# 1730
 Delta R.T. -0.006 min
 Lab File: BF128971.D
 Acq: 24 Jun 2022 00:29

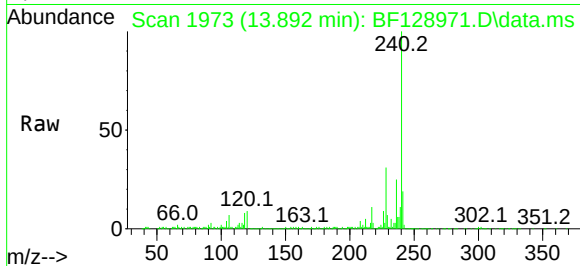
Tgt Ion:202 Resp: 461092
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 31.4
 203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

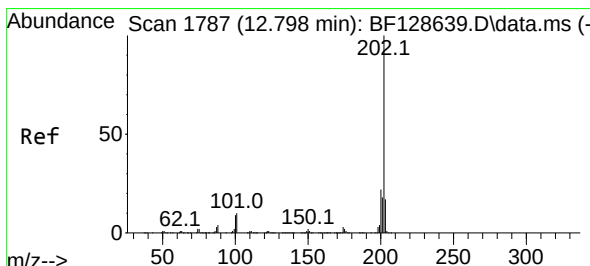
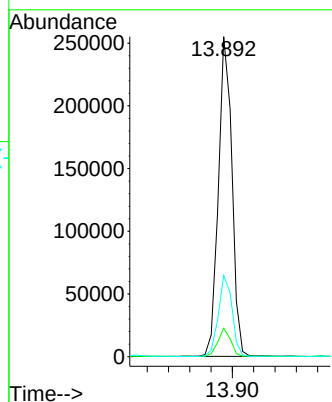
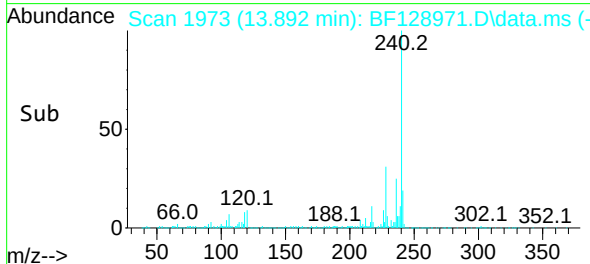
Instrument :
BNA_F
ClientSampleId :
SB-6-4-6-20220622



Tgt Ion:240 Resp: 224079
Ion Ratio Lower Upper
240 100
120 8.9 8.9 13.3
236 25.4 20.8 31.2

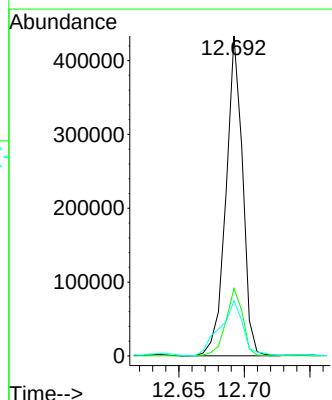
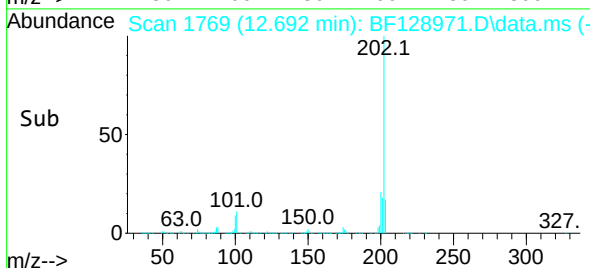
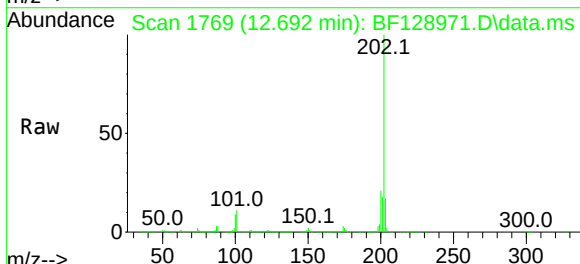
Manual Integrations
APPROVED

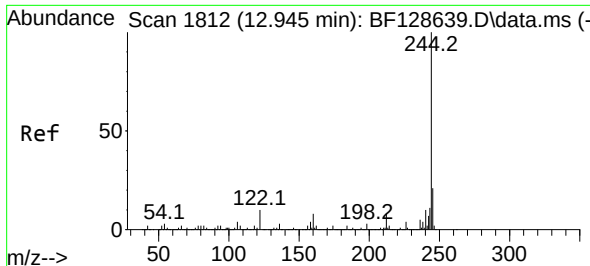
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#78
Pyrene
Concen: 22.818 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

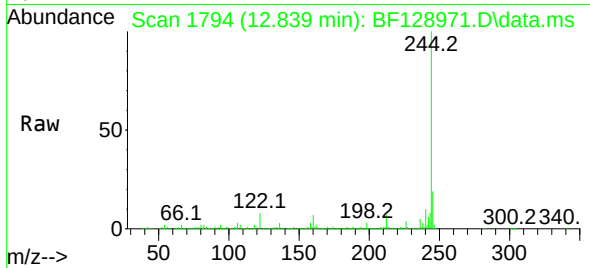
Tgt Ion:202 Resp: 380400
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 58.970 ng
 RT: 12.839 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: BF128971.D
 Acq: 24 Jun 2022 00:29

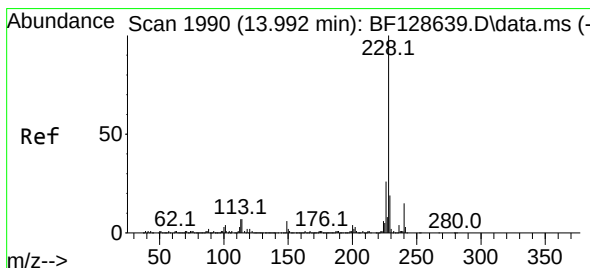
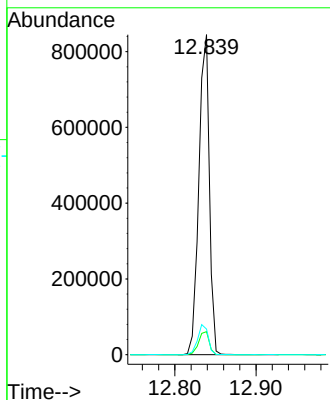
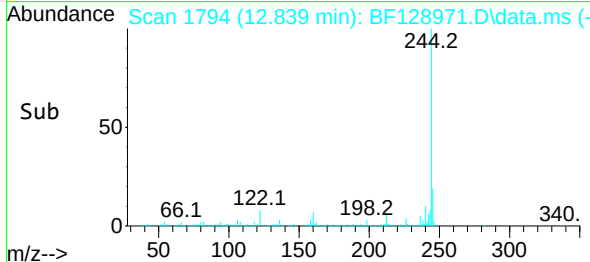
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-4-6-20220622



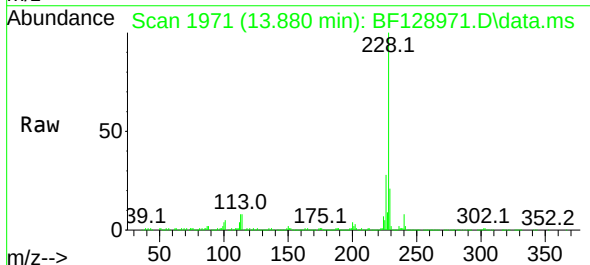
Tgt Ion:244 Resp: 760459
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 8.0 8.8 13.2

Manual Integrations
 APPROVED

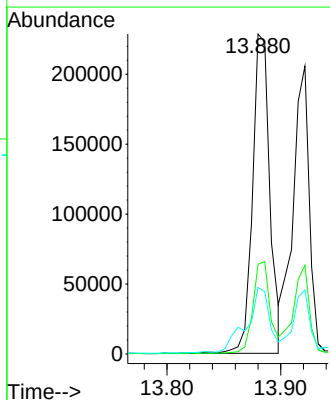
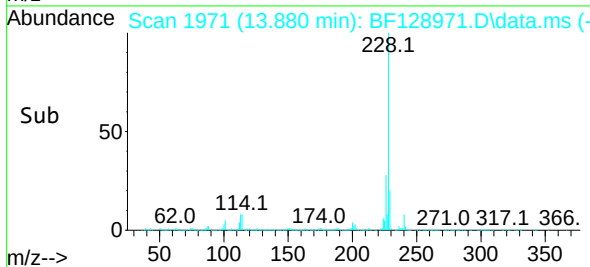
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

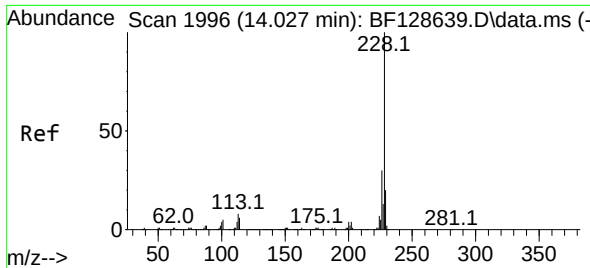


#81
 Benzo(a)anthracene
 Concen: 17.309 ng
 RT: 13.880 min Scan# 1971
 Delta R.T. -0.006 min
 Lab File: BF128971.D
 Acq: 24 Jun 2022 00:29



Tgt Ion:228 Resp: 241759
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.1 33.1
 229 20.8 15.8 23.8





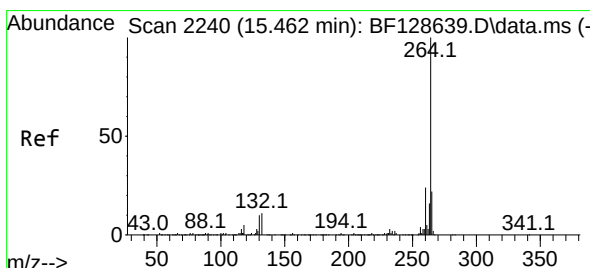
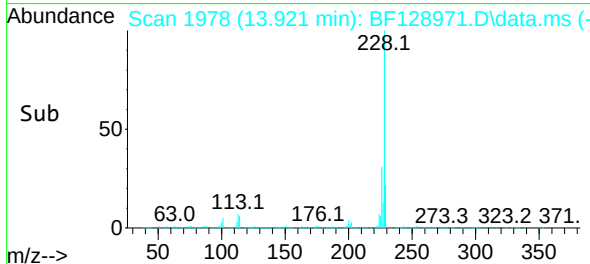
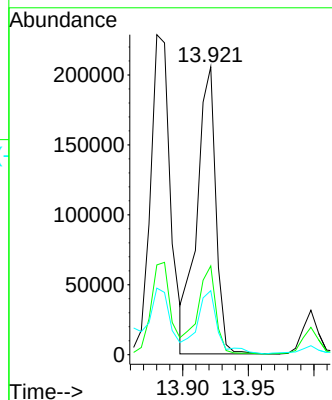
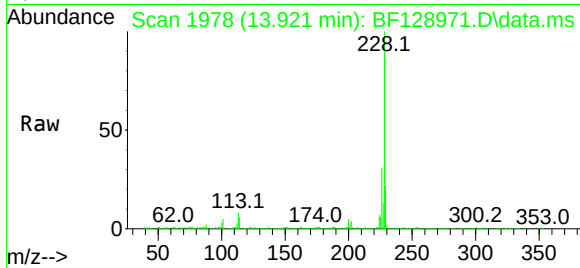
#83
Chrysene
Concen: 15.537 ng
RT: 13.921 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

Instrument :
BNA_F
ClientSampleId :
SB-6-4-6-20220622

Tgt Ion:228 Resp: 20689
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.2 15.9 23.9

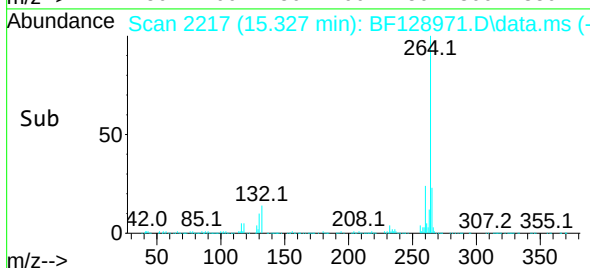
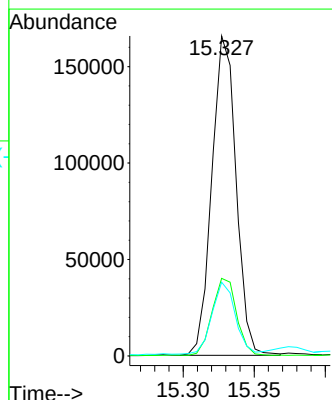
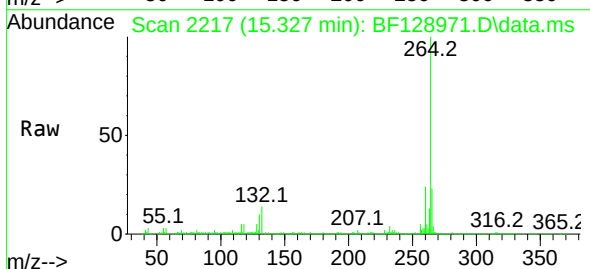
Manual Integrations
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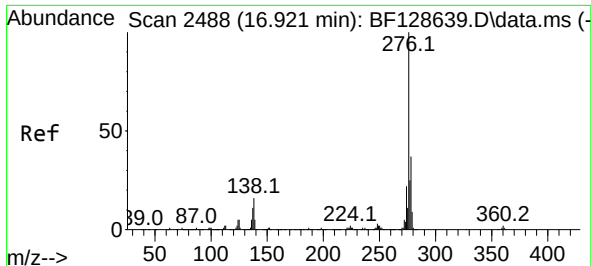
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.327 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

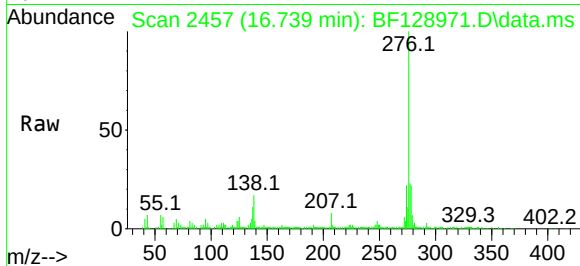
Tgt Ion:264 Resp: 196413
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 23.1 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.895 ng
RT: 16.739 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

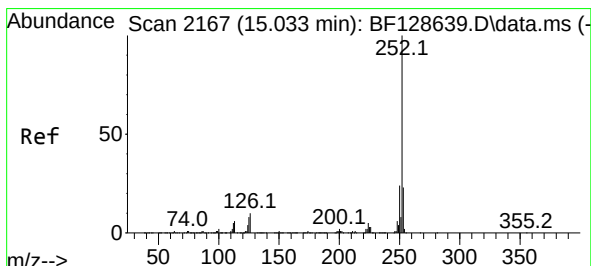
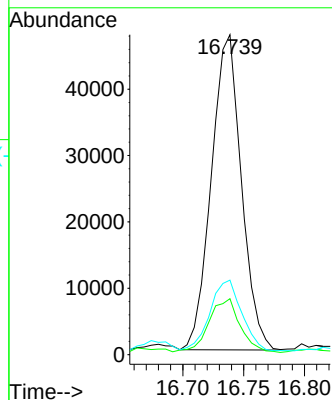
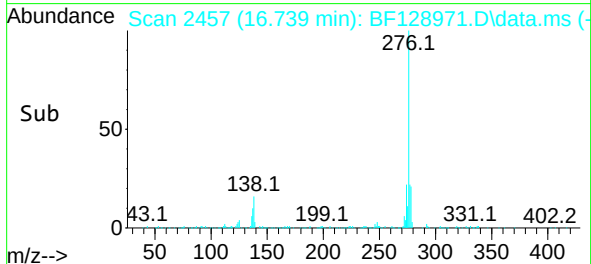
Instrument :
BNA_F
ClientSampleId :
SB-6-4-6-20220622



Tgt Ion: 276 Resp: 8163
Ion Ratio Lower Upper
276 100
138 17.9 21.1 31.7
277 23.6 20.3 30.5

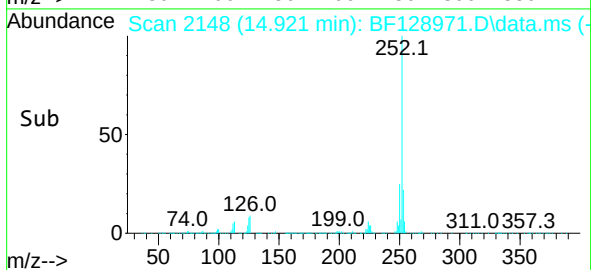
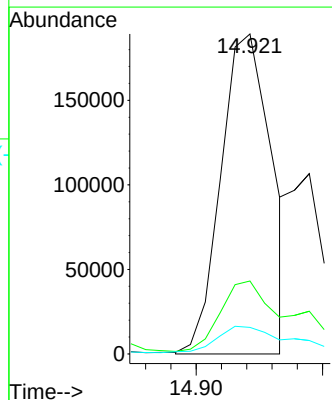
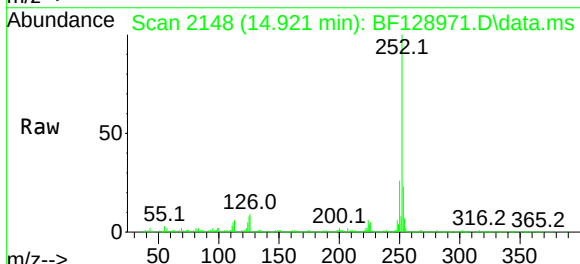
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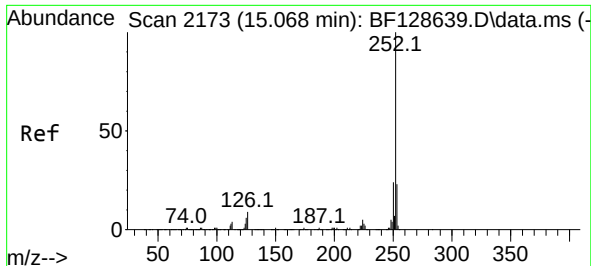
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022



#88
Benzo(b)fluoranthene
Concen: 20.925 ng m
RT: 14.921 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

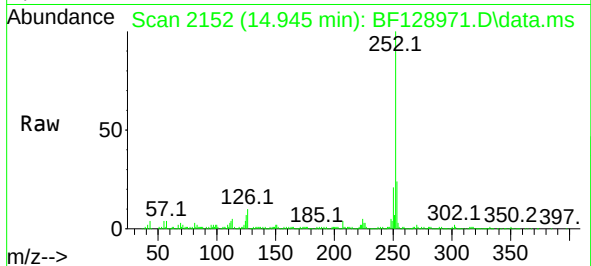
Tgt Ion: 252 Resp: 262620
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 8.3 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 8.194 ng m
RT: 14.945 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

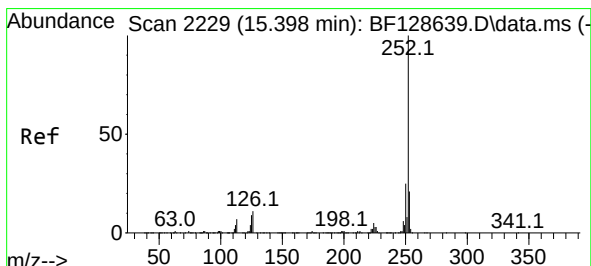
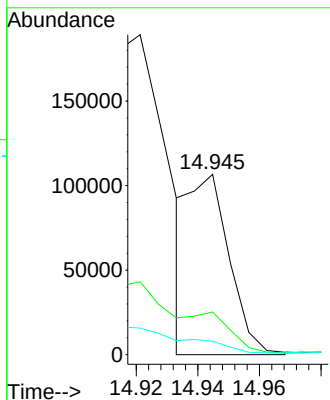
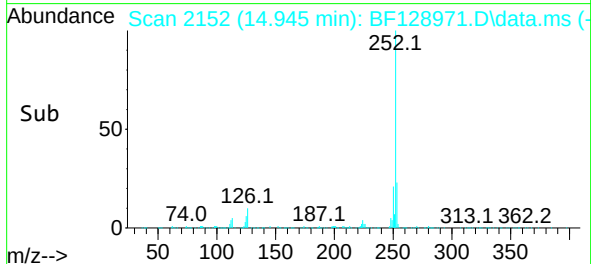
Instrument :
BNA_F
ClientSampleId :
SB-6-4-6-20220622



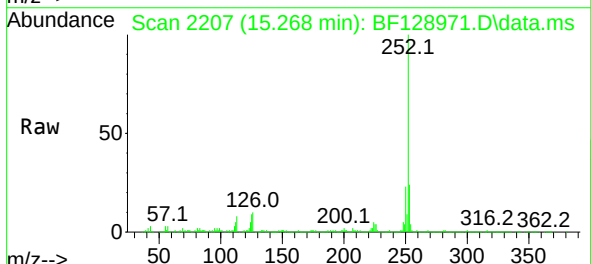
Tgt Ion:252 Resp: 96740
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 7.5 8.3 12.5

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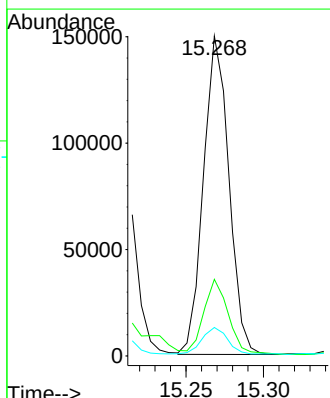
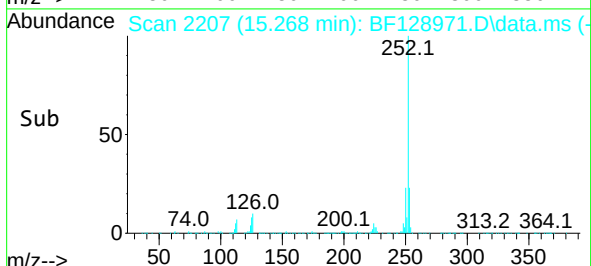
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

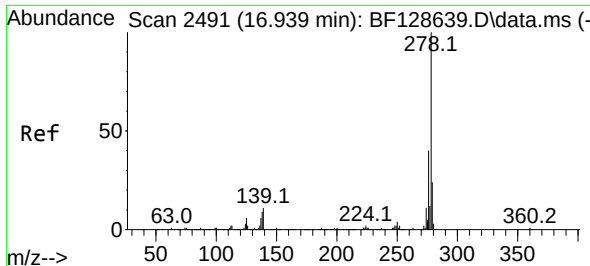


#90
Benzo(a)pyrene
Concen: 17.318 ng
RT: 15.268 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29



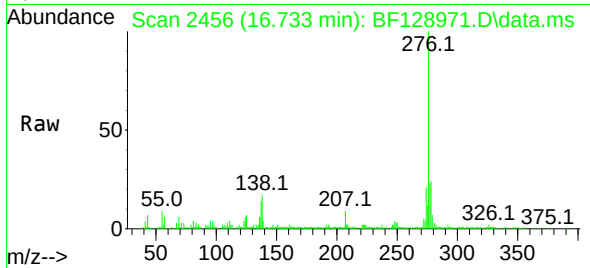
Tgt Ion:252 Resp: 170825
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 8.9 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.767 ng m
RT: 16.733 min Scan# 2491
Delta R.T. -0.018 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29

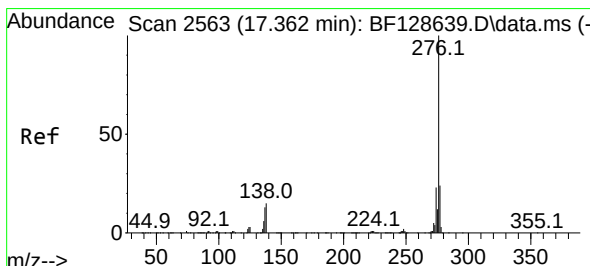
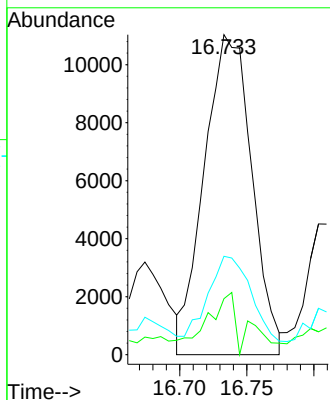
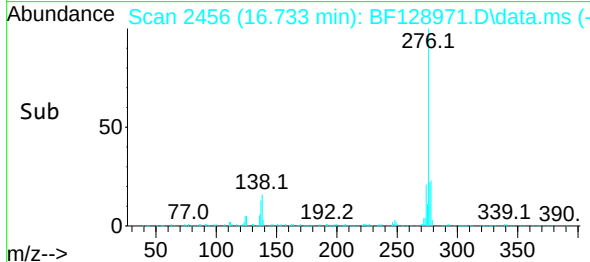
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BNA_F
ClientSampleId :
SB-6-4-6-20220622



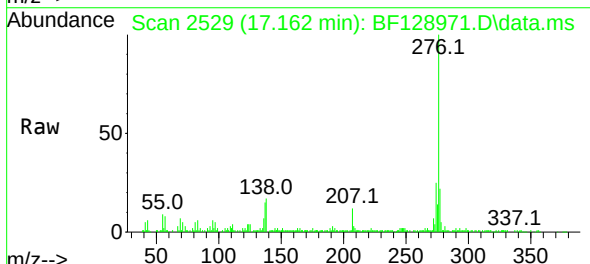
Tgt Ion: 278 Resp: 2717
Ion Ratio Lower Upper
278 100
139 17.5 12.8 19.2
279 30.7 18.6 28.0

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



#92
Benzo(g,h,i)perylene
Concen: 7.666 ng
RT: 17.162 min Scan# 2529
Delta R.T. -0.006 min
Lab File: BF128971.D
Acq: 24 Jun 2022 00:29



Tgt Ion: 276 Resp: 74604
Ion Ratio Lower Upper
276 100
277 22.3 19.1 28.7
138 17.2 18.0 27.0

