

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128969.D
 Acq On : 23 Jun 2022 23:31
 Operator : CG\JU
 Sample : N3462-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-3-5-20220622

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:37:05 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	97271	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	250336	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	127744	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	199776	20.000	ng	# 0.00
76) Chrysene-d12	13.898	240	160791	20.000	ng	# 0.00
86) Perylene-d12	15.333	264	151404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	515186	84.363	ng	0.00
7) Phenol-d6	6.387	99	663069	88.950	ng	0.00
23) Nitrobenzene-d5	7.293	82	340511	63.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	93981	62.265	ng	0.00
45) 2-Fluorobiphenyl	9.087	172	616254	67.576	ng	0.00
79) Terphenyl-d14	12.833	244	486893	52.618	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.028	128	45959	3.577	ng	96
52) Acenaphthene	9.792	154	28487	3.907	ng	96
58) Fluorene	10.310	166	21799	2.682	ng	95
71) Phenanthrene	11.275	178	291782	29.119	ng	98
72) Anthracene	11.322	178	71672	7.226	ng	99
73) Carbazole	11.486	167	44057	4.783	ng	97
75) Fluoranthene	12.469	202	610043	58.242	ng	96
78) Pyrene	12.692	202	535681	44.779	ng	98
81) Benzo(a)anthracene	13.886	228	384971	38.410	ng	99
83) Chrysene	13.922	228	290900	30.444	ng	98
87) Indeno(1,2,3-cd)pyrene	16.739	276	152127	16.670	ng	# 89
88) Benzo(b)fluoranthene	14.921	252	430245m	44.472	ng	
89) Benzo(k)fluoranthene	14.945	252	121177m	13.315	ng	
90) Benzo(a)pyrene	15.274	252	253103m	33.286	ng	
91) Dibenzo(a,h)anthracene	16.739	278	51996m	6.869	ng	
92) Benzo(g,h,i)perylene	17.162	276	136829	18.239	ng	# 93

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

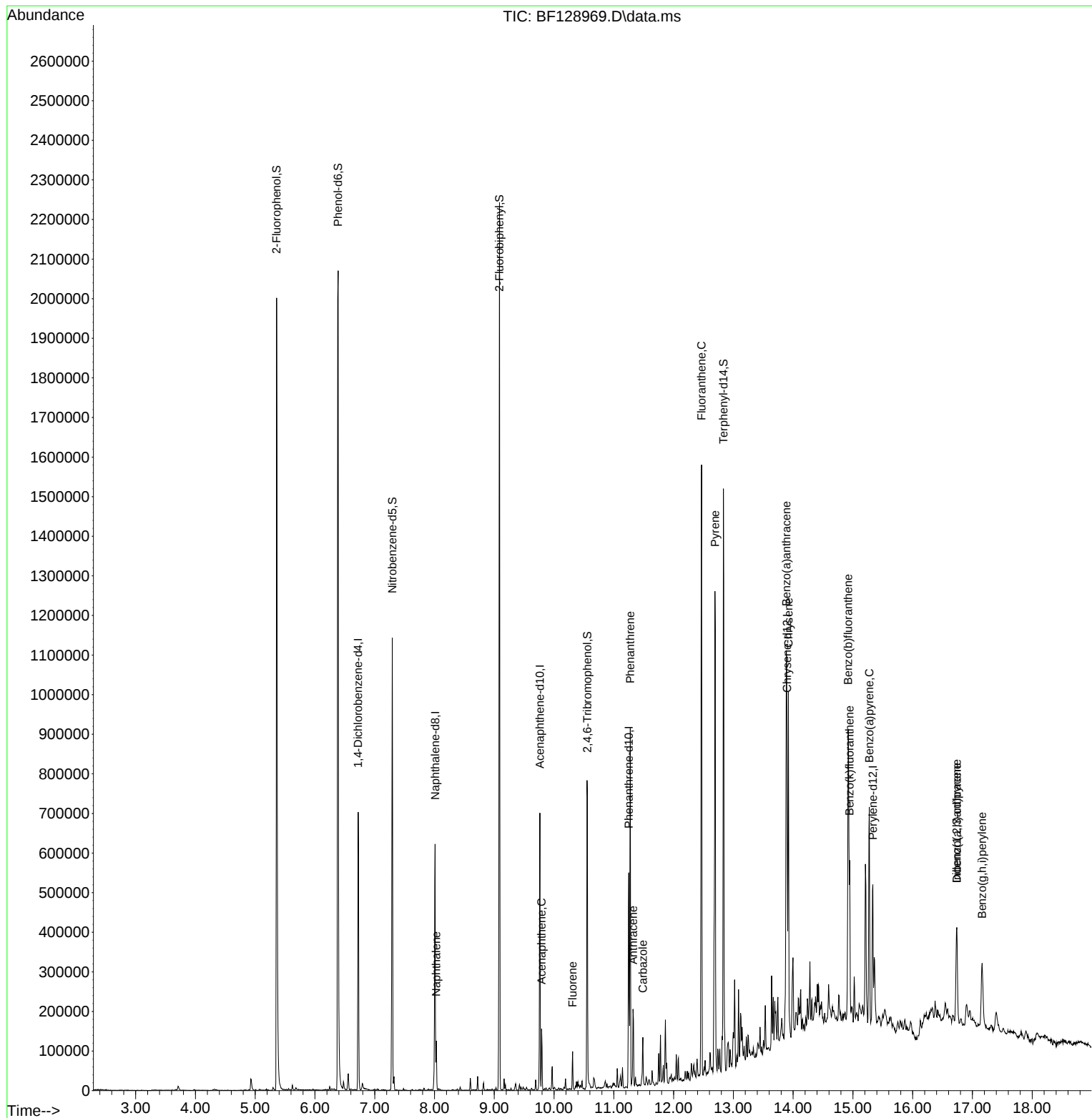
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
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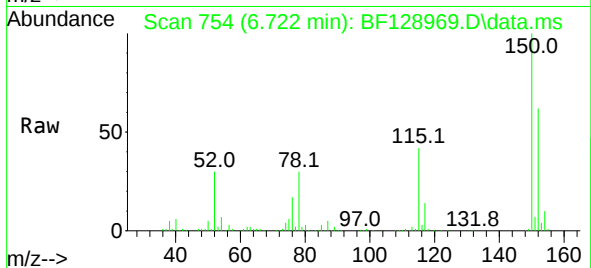
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

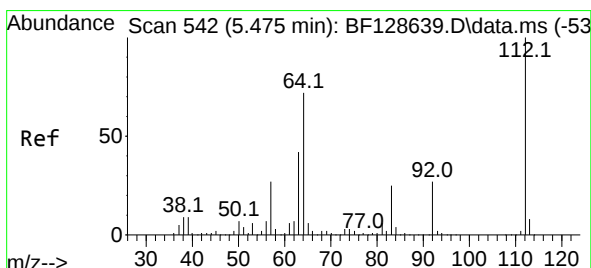
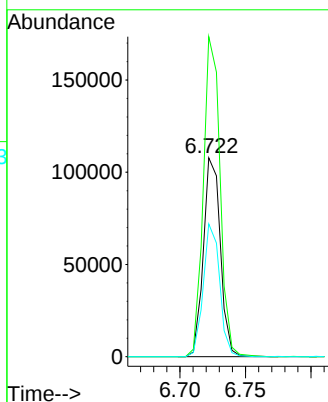
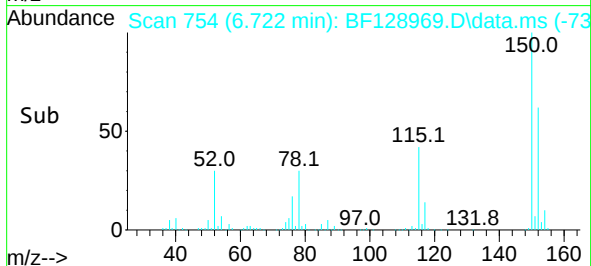
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ClientSampleId :
SB-2-3-5-20220622



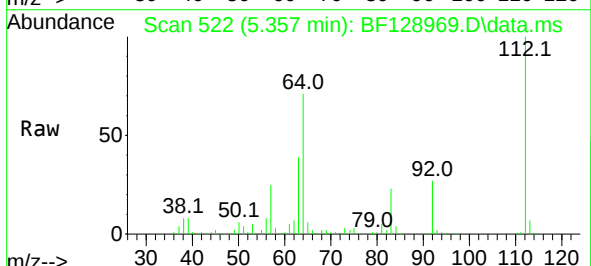
Tgt Ion:152 Resp: 9727
Ion Ratio Lower Upper
152 100
150 160.9 123.7 185.5
115 66.8 49.9 74.9

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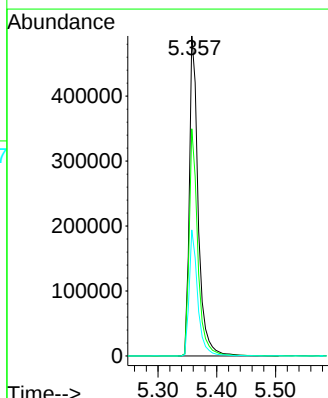
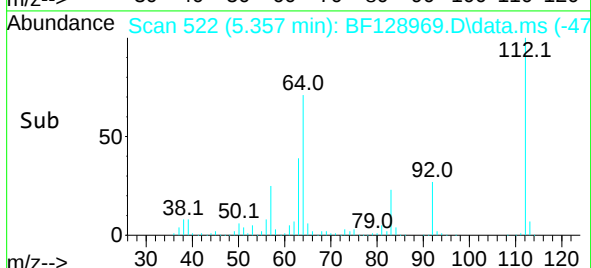
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 84.363 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



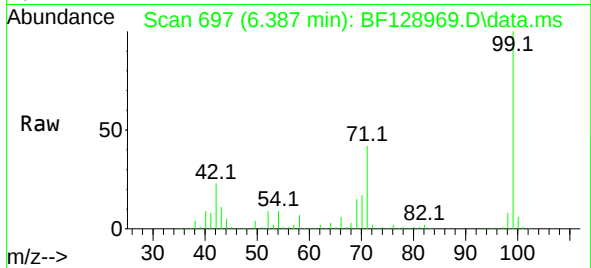
Tgt Ion:112 Resp: 515186
Ion Ratio Lower Upper
112 100
64 71.0 53.3 79.9
63 39.4 28.0 42.0





#7
Phenol-d6
Concen: 88.950 ng
RT: 6.387 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

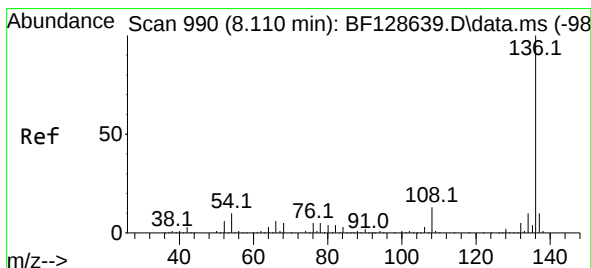
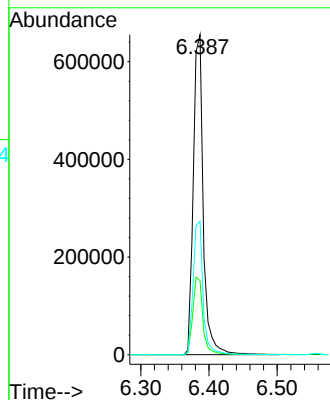
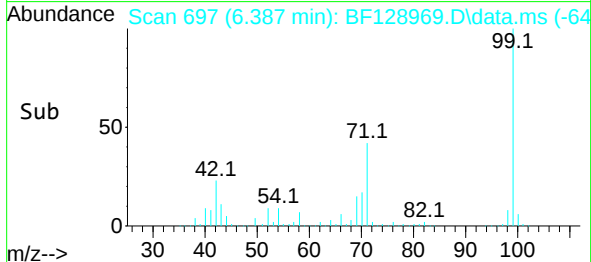
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622



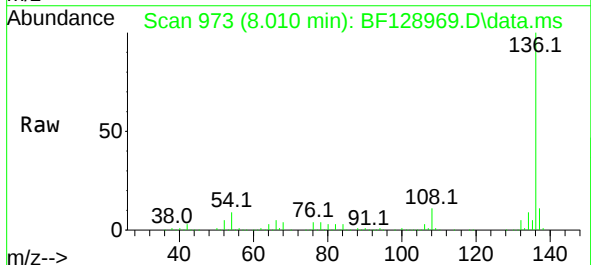
Tgt Ion: 99 Resp: 66306
Ion Ratio Lower Upper
99 100
42 23.1 17.3 25.9
71 41.7 28.9 43.3

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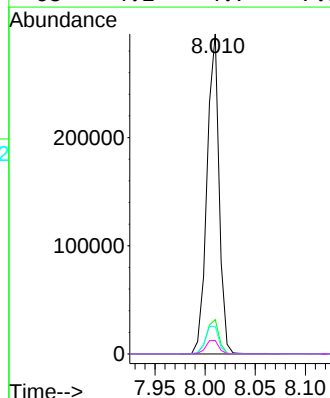
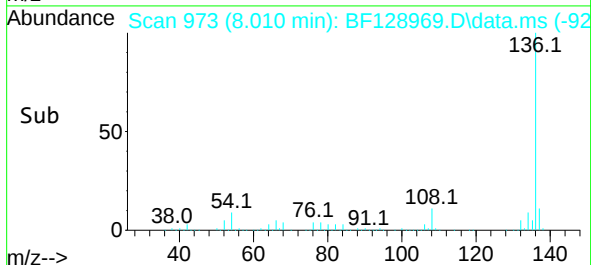
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



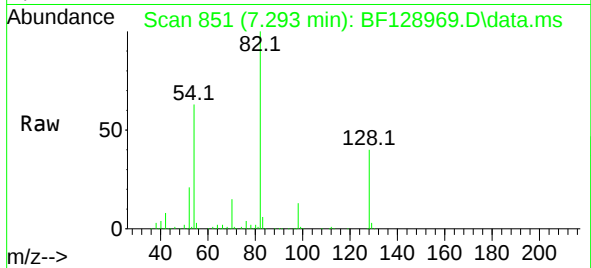
Tgt Ion:136 Resp: 250336
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.6 7.5 11.3
68 4.2 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 63.330 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

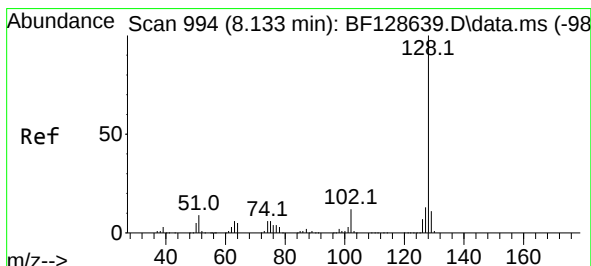
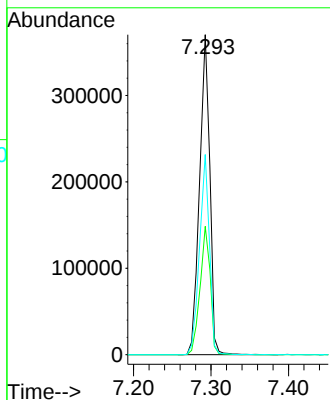
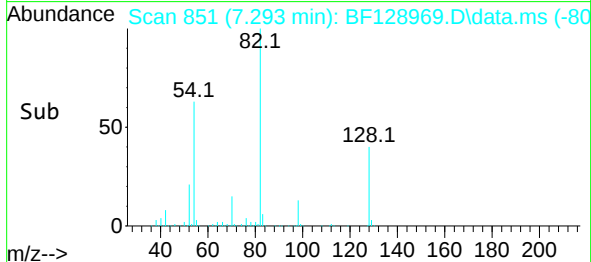
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622



Tgt Ion: 82 Resp: 34051
Ion Ratio Lower Upper
82 100
128 40.1 34.0 51.0
54 62.6 46.9 70.3

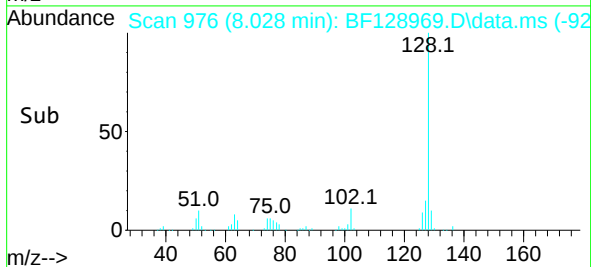
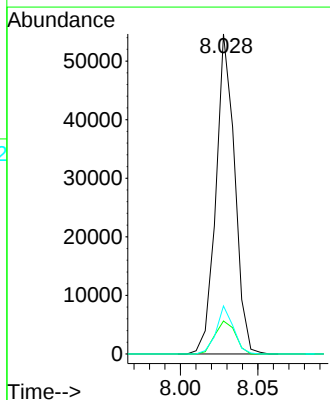
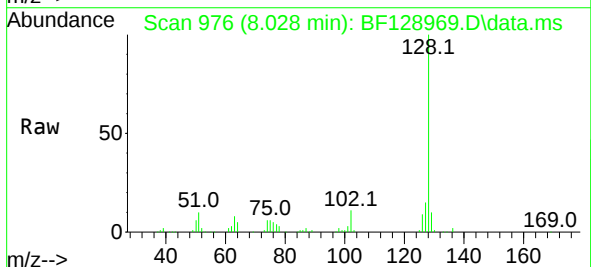
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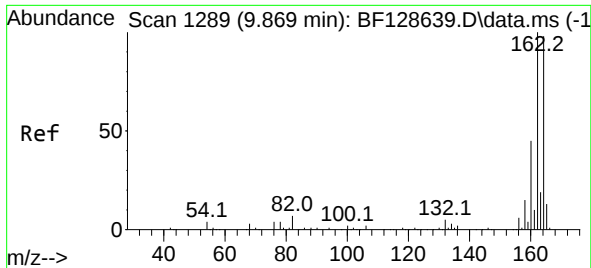
Reviewed By :Christian Giraldo 06/24/2022
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#31
Naphthalene
Concen: 3.577 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

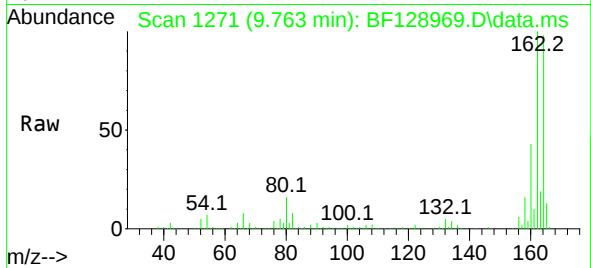
Tgt Ion:128 Resp: 45959
Ion Ratio Lower Upper
128 100
129 10.3 9.2 13.8
127 15.0 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

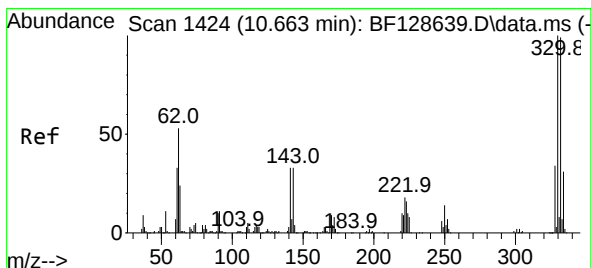
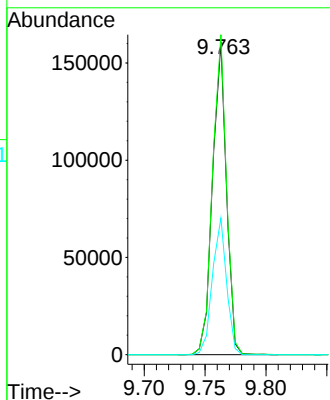
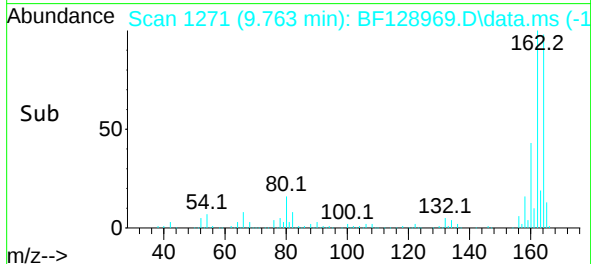
Instrument :
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SB-2-3-5-20220622



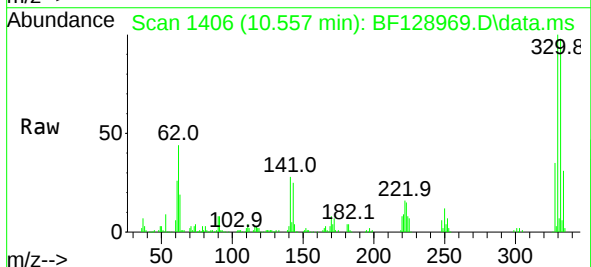
Tgt Ion:164 Resp: 127744
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 43.8 34.2 51.4

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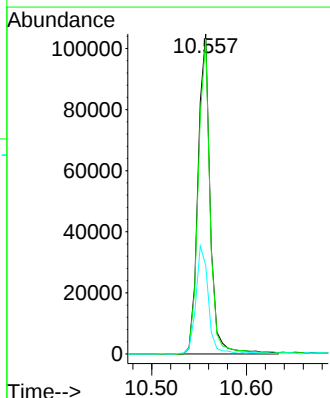
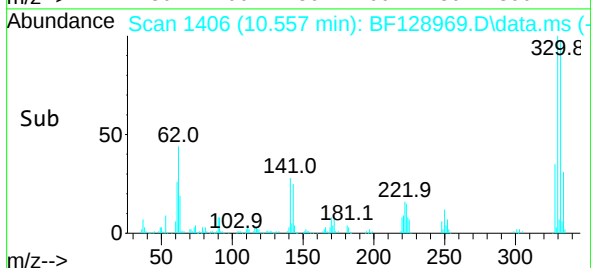
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

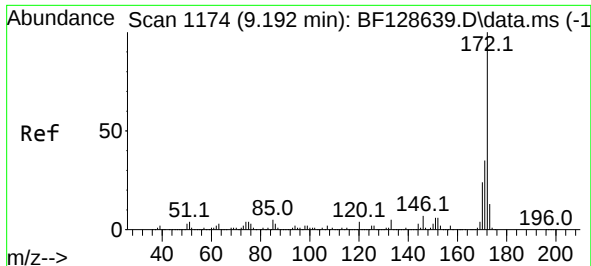


#42
2,4,6-Tribromophenol
Concen: 62.265 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



Tgt Ion:330 Resp: 93981
Ion Ratio Lower Upper
330 100
332 95.4 76.8 115.2
141 35.3 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 67.576 ng

RT: 9.087 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

ClientSampleId :

SB-2-3-5-20220622

Tgt Ion:172 Resp: 616254

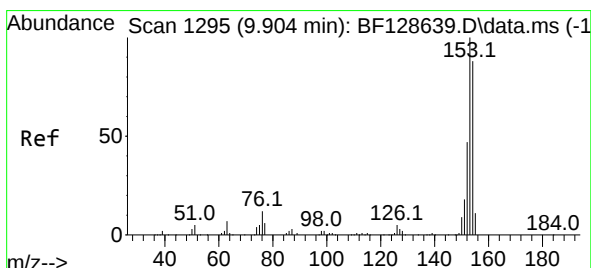
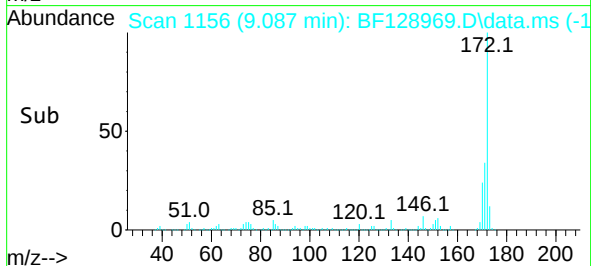
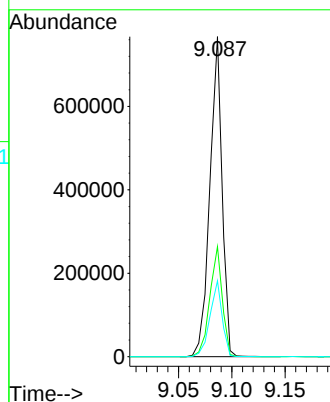
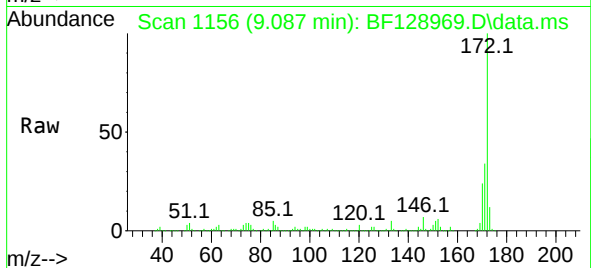
Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.8	43.2
170	23.7	19.8	29.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#52

Acenaphthene

Concen: 3.907 ng

RT: 9.792 min Scan# 1276

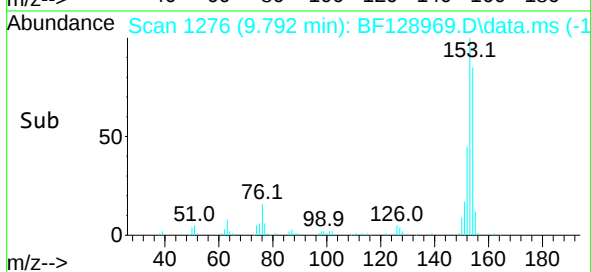
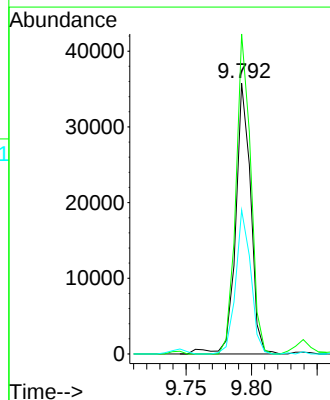
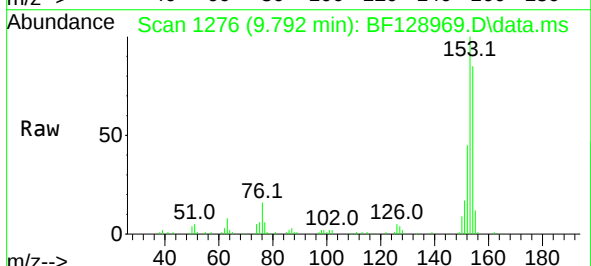
Delta R.T. -0.012 min

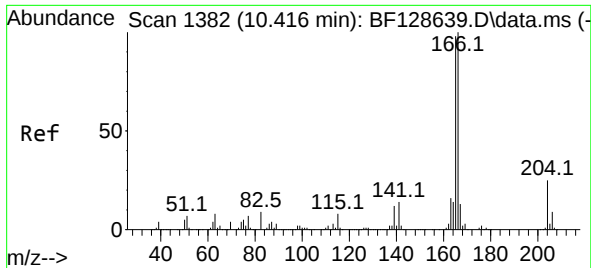
Lab File: BF128969.D

Acq: 23 Jun 2022 23:31

Tgt Ion:154 Resp: 28487

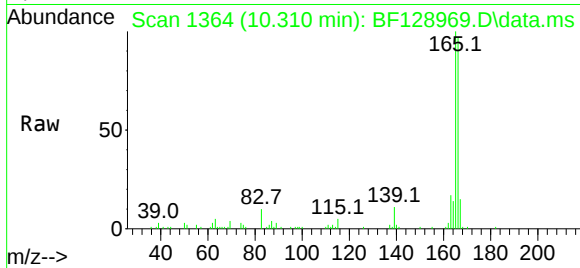
Ion	Ratio	Lower	Upper
154	100		
153	118.2	89.6	134.4
152	53.1	42.4	63.6





#58
Fluorene
Concen: 2.682 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

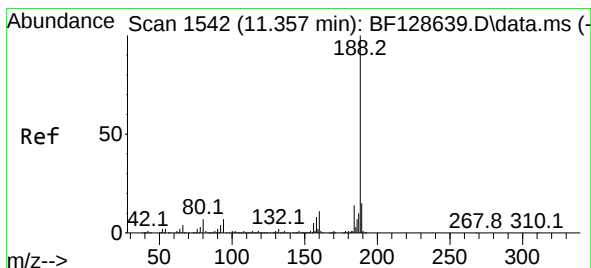
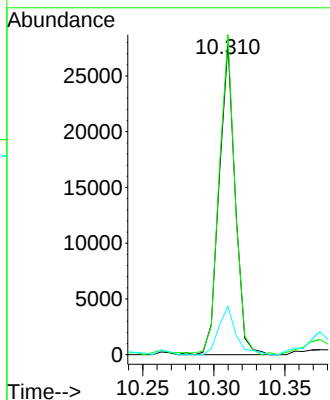
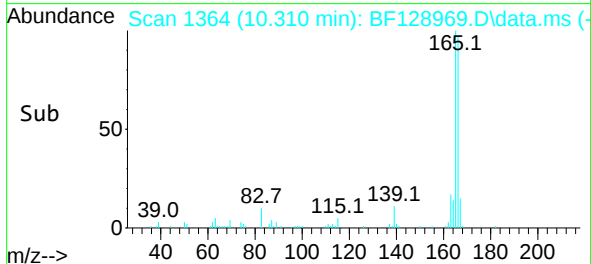
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Tgt Ion:166 Resp: 21799
Ion Ratio Lower Upper
166 100
165 102.9 78.1 117.1
167 15.5 10.5 15.7

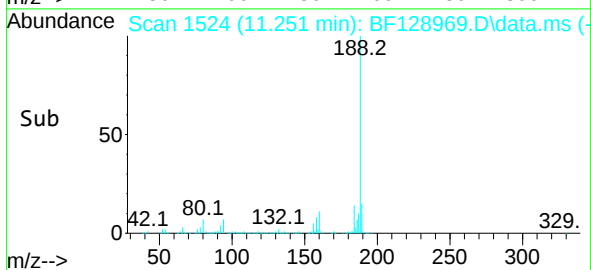
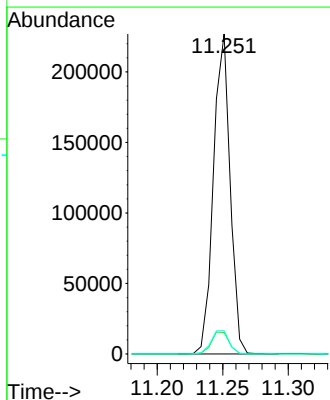
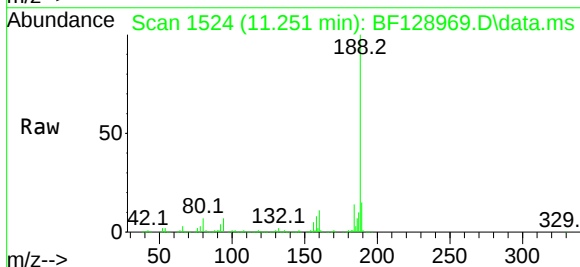
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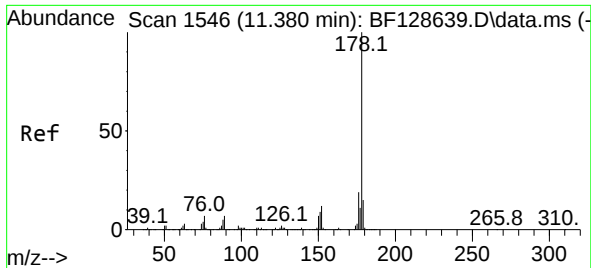
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

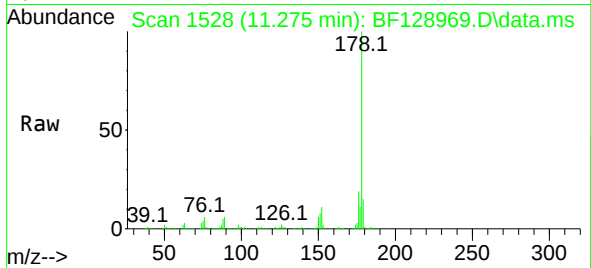
Tgt Ion:188 Resp: 199776
Ion Ratio Lower Upper
188 100
94 6.7 7.0 10.6#
80 7.3 7.6 11.4#





#71
Phenanthrene
Concen: 29.119 ng
RT: 11.275 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

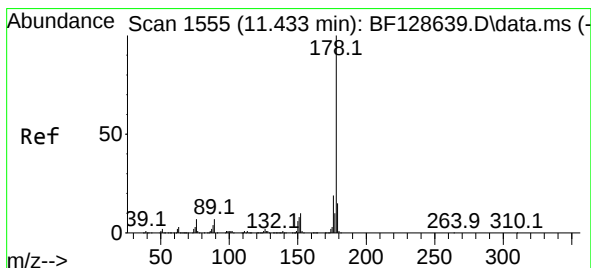
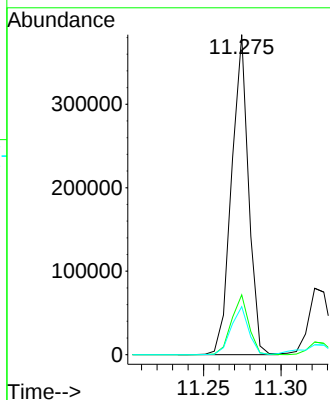
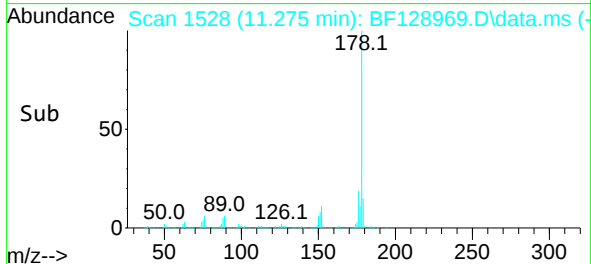
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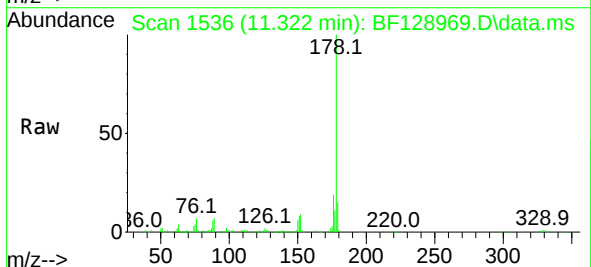
Tgt Ion:178 Resp: 291782
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.0 12.6 19.0

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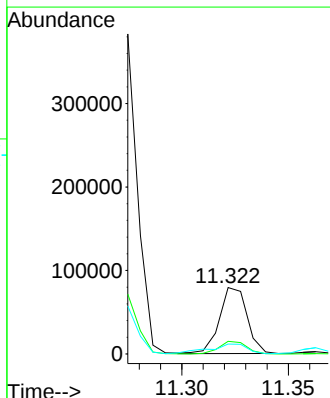
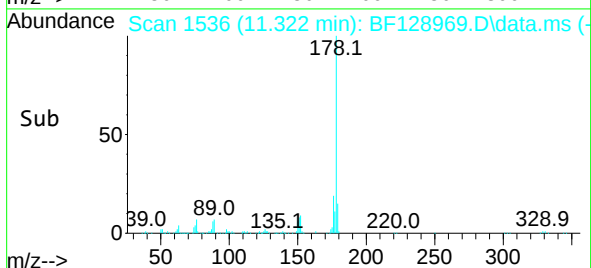
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

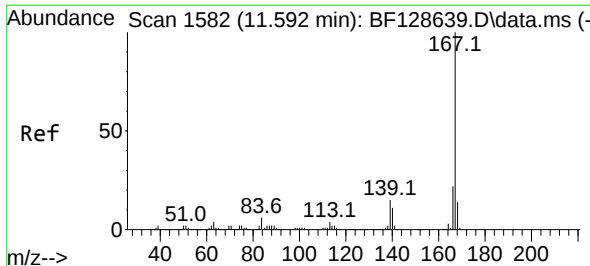


#72
Anthracene
Concen: 7.226 ng
RT: 11.322 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



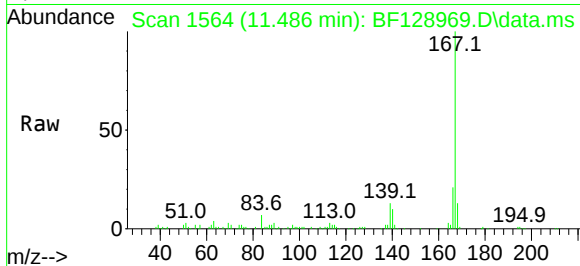
Tgt Ion:178 Resp: 71672
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 14.9 12.6 19.0





#73
 Carbazole
 Concen: 4.783 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128969.D
 Acq: 23 Jun 2022 23:31

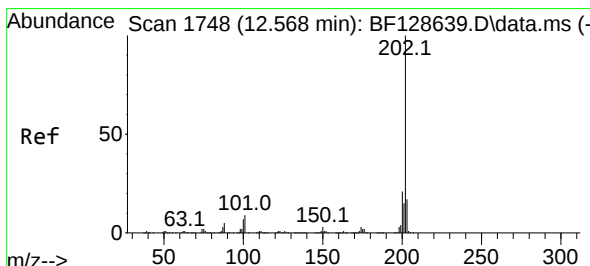
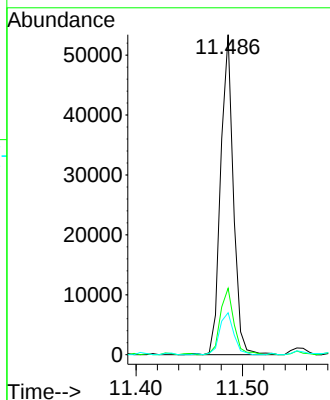
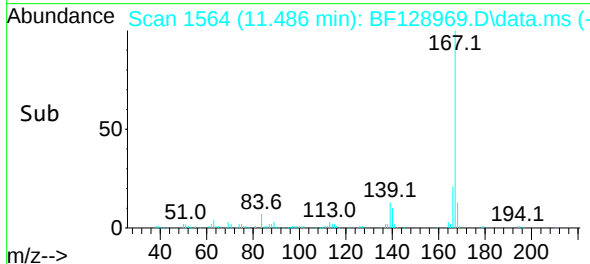
Instrument :
 BNA_F
 ClientSampleId :
 SB-2-3-5-20220622



Tgt Ion:167 Resp: 4405
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.7 26.5
 139 13.1 11.2 16.8

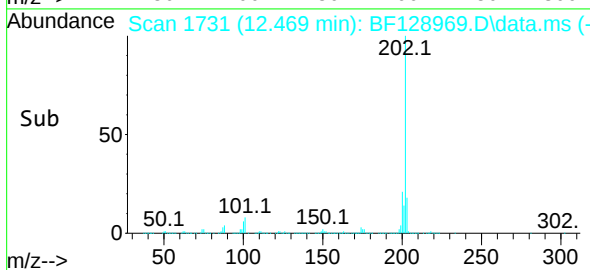
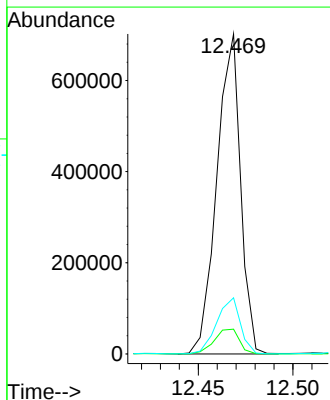
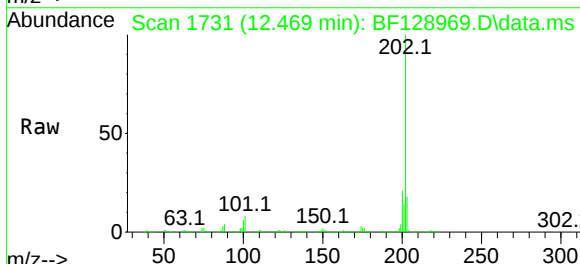
Manual Integrations
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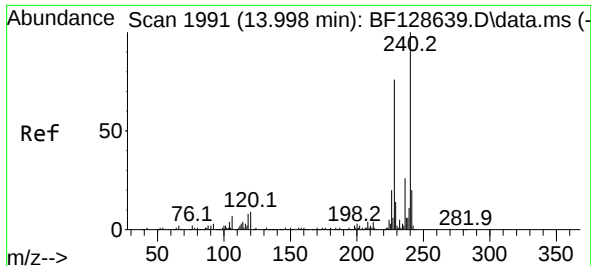
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#75
 Fluoranthene
 Concen: 58.242 ng
 RT: 12.469 min Scan# 1731
 Delta R.T. 0.000 min
 Lab File: BF128969.D
 Acq: 23 Jun 2022 23:31

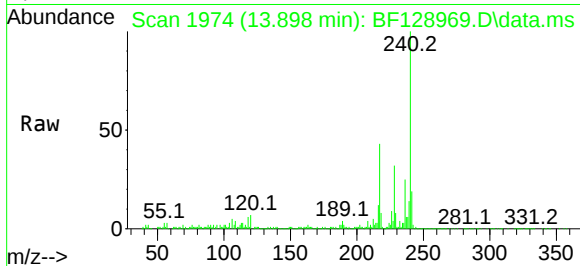
Tgt Ion:202 Resp: 610043
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 31.4
 203 17.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

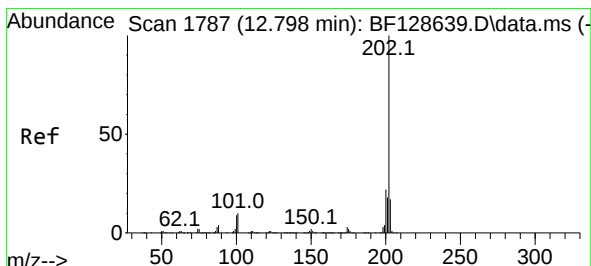
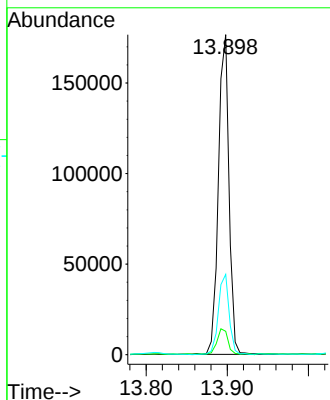
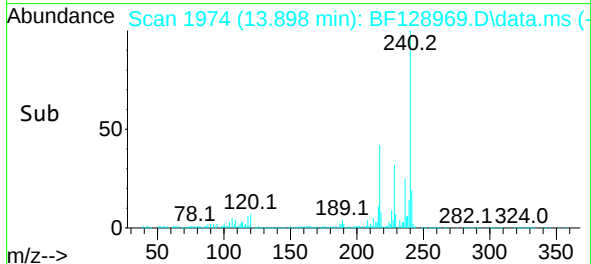
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622



Tgt Ion:240 Resp: 160791
Ion Ratio Lower Upper
240 100
120 7.3 8.9 13.3
236 25.1 20.8 31.2

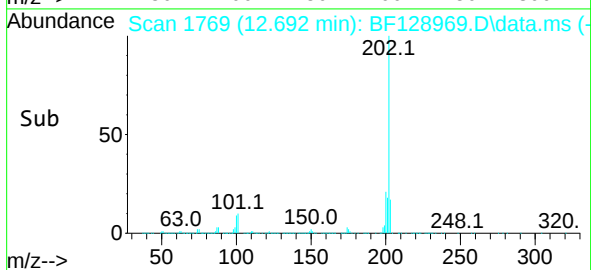
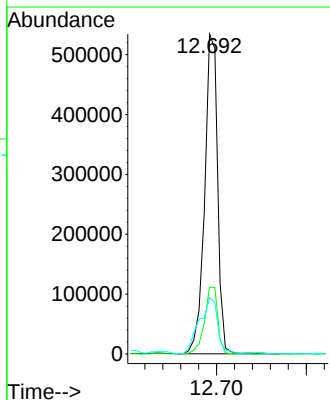
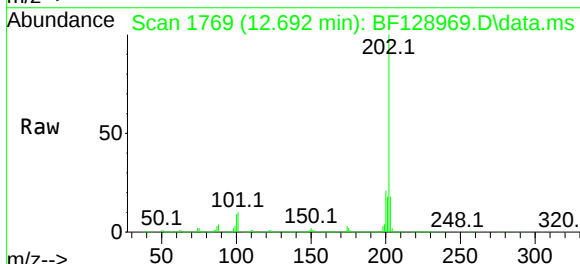
Manual Integrations
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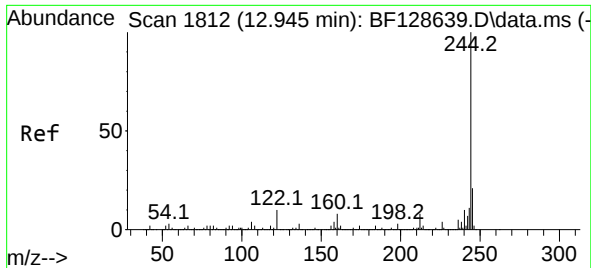
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#78
Pyrene
Concen: 44.779 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

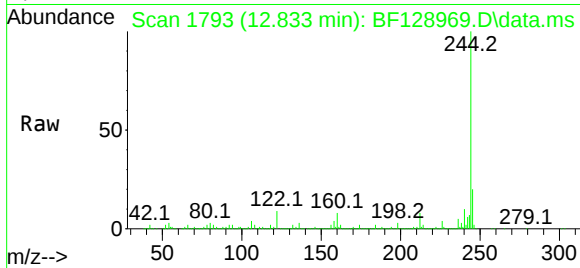
Tgt Ion:202 Resp: 535681
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 52.618 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128969.D
 Acq: 23 Jun 2022 23:31

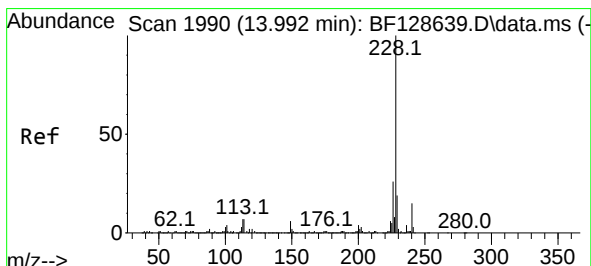
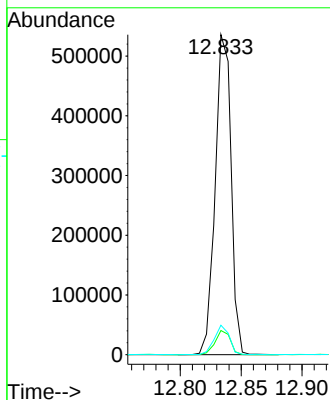
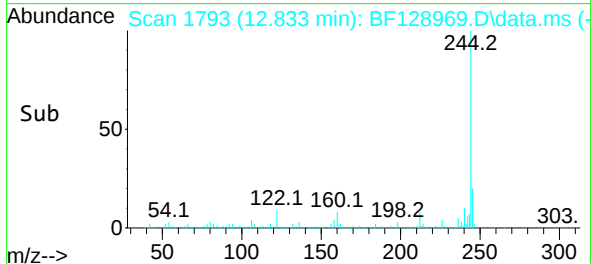
Instrument :
 BNA_F
 ClientSampleId :
 SB-2-3-5-20220622



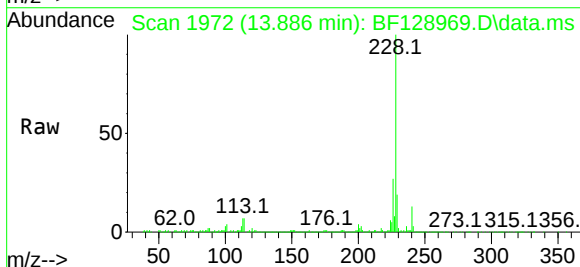
Tgt Ion:244 Resp: 48689
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 9.2 8.8 13.2

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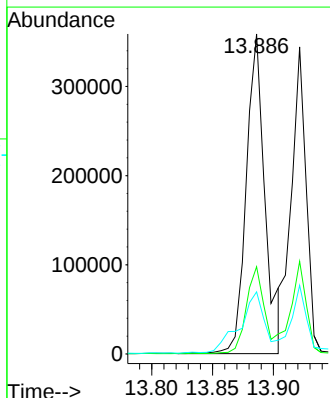
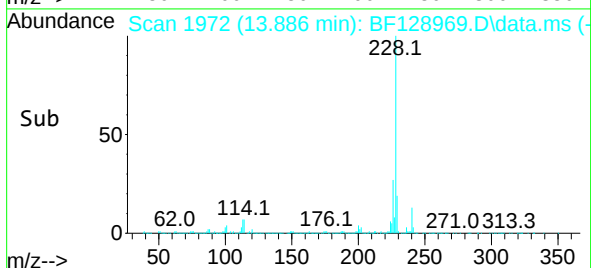
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

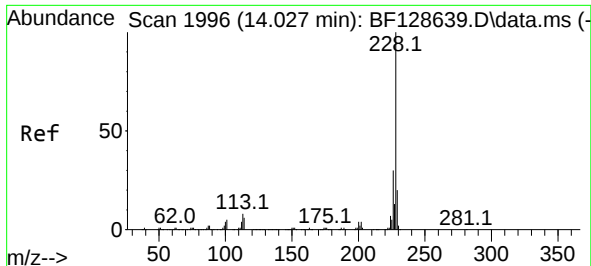


#81
 Benzo(a)anthracene
 Concen: 38.410 ng
 RT: 13.886 min Scan# 1972
 Delta R.T. 0.000 min
 Lab File: BF128969.D
 Acq: 23 Jun 2022 23:31



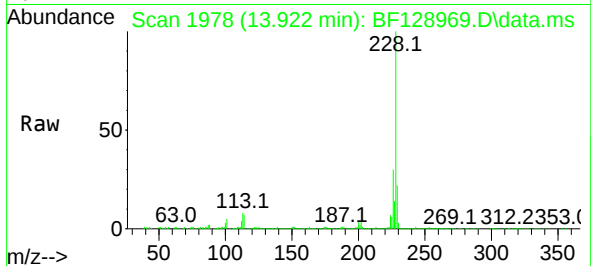
Tgt Ion:228 Resp: 384971
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.1 33.1
 229 19.4 15.8 23.8





#83
Chrysene
Concen: 30.444 ng
RT: 13.922 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

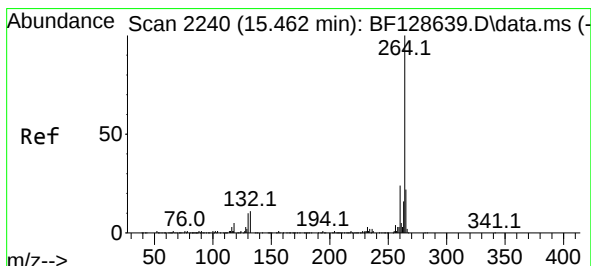
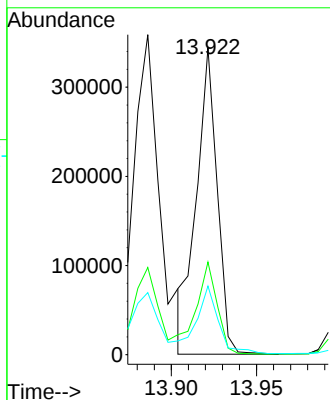
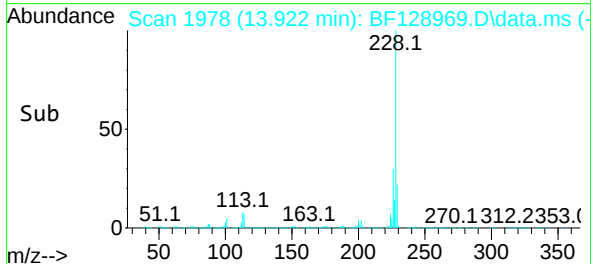
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622



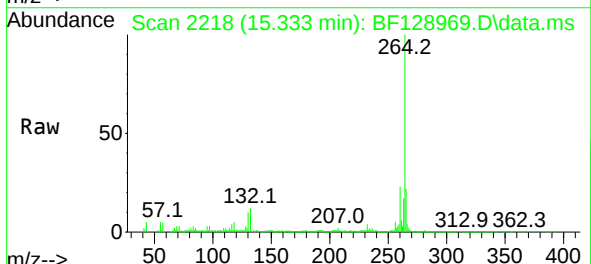
Tgt Ion:228 Resp: 290900
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.3 15.9 23.9

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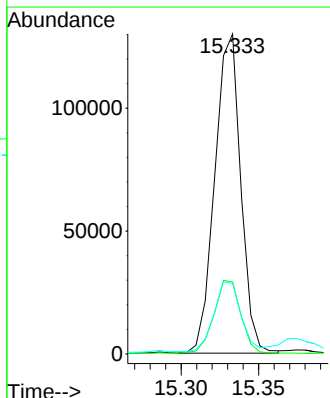
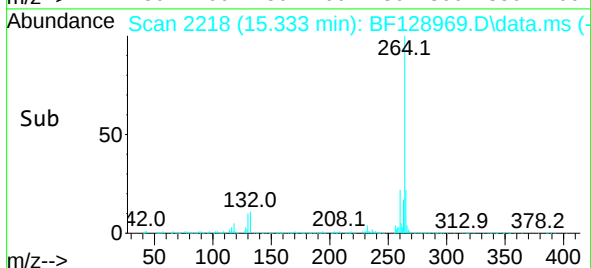
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

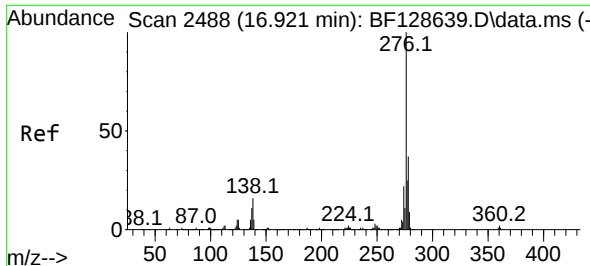


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.333 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



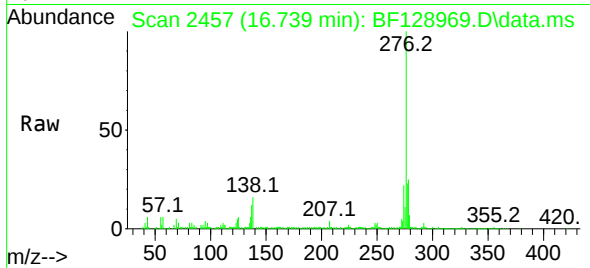
Tgt Ion:264 Resp: 151404
Ion Ratio Lower Upper
264 100
260 22.6 18.4 27.6
265 22.0 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 16.670 ng
RT: 16.739 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

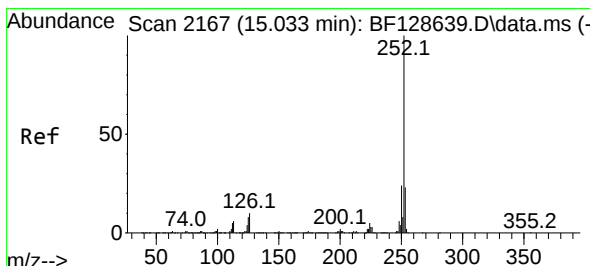
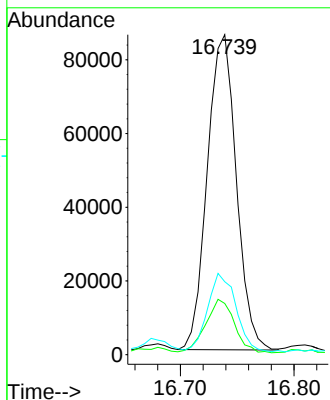
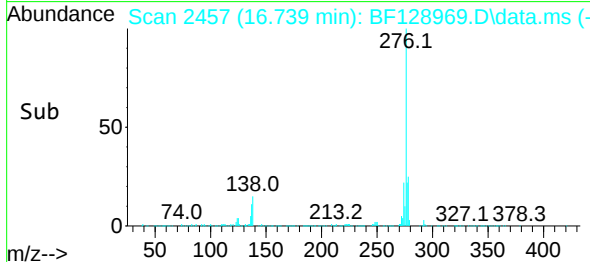
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622



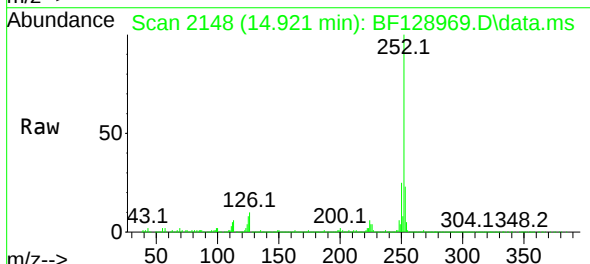
Tgt Ion: 276 Resp: 15212
Ion Ratio Lower Upper
276 100
138 16.9 21.1 31.7
277 24.1 20.3 30.5

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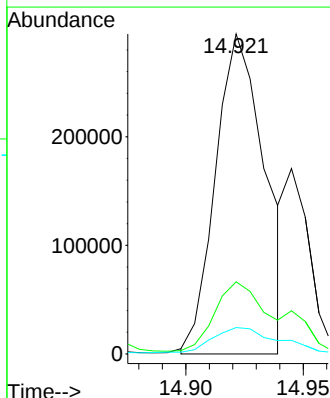
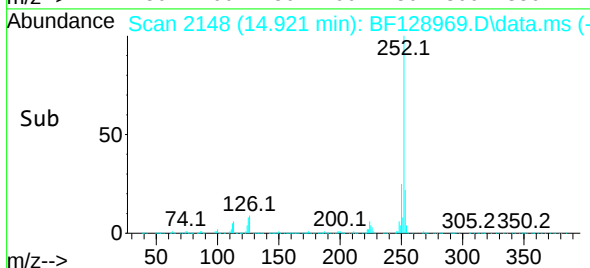
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022

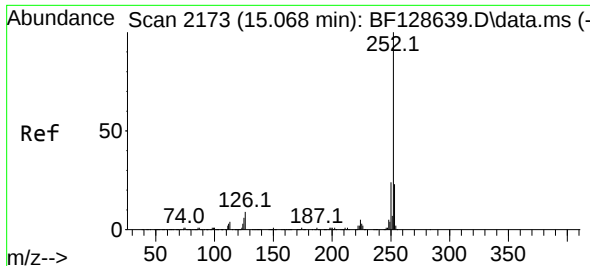


#88
Benzo(b)fluoranthene
Concen: 44.472 ng m
RT: 14.921 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



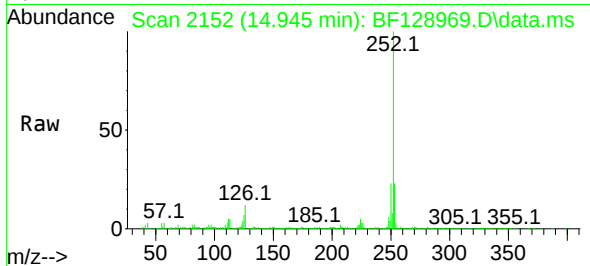
Tgt Ion: 252 Resp: 430245
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 8.2 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 13.315 ng m
RT: 14.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

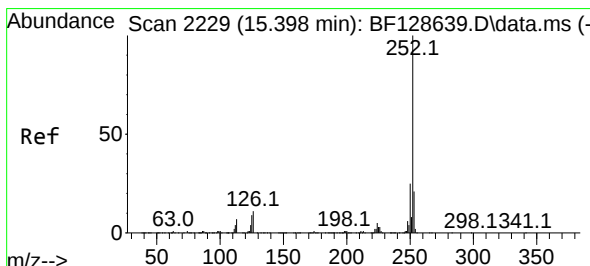
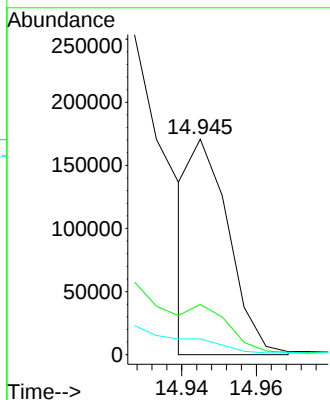
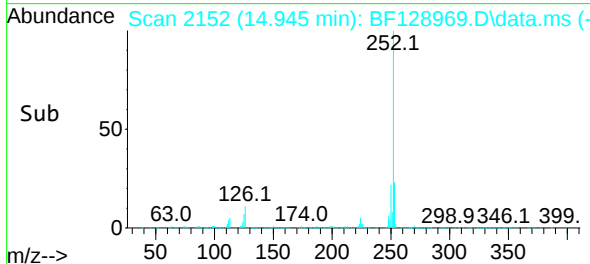
Instrument :
BNA_F
ClientSampleId :
SB-2-3-5-20220622



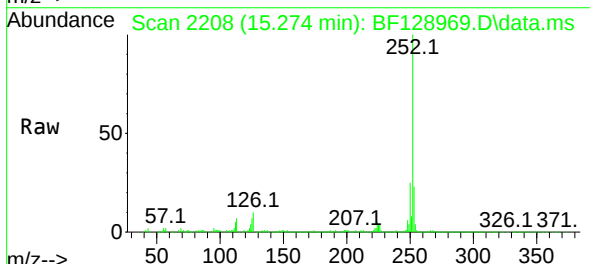
Tgt Ion:252 Resp: 12117
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 7.4 8.3 12.5

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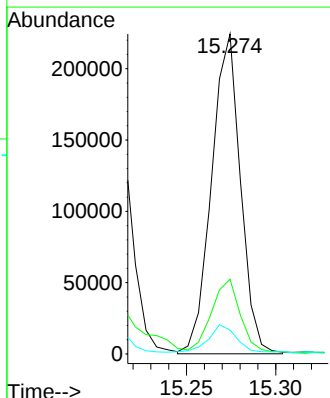
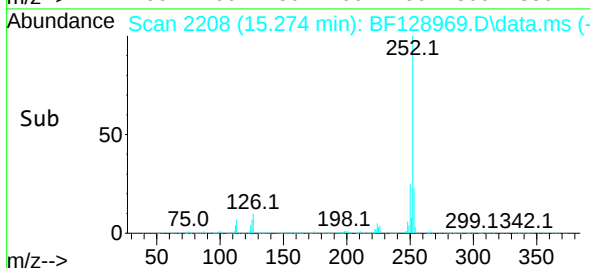
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

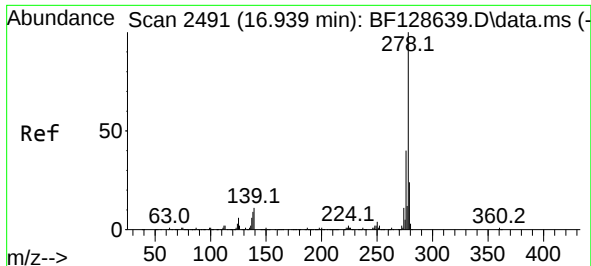


#90
Benzo(a)pyrene
Concen: 33.286 ng m
RT: 15.274 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31



Tgt Ion:252 Resp: 253103
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 7.4 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 6.869 ng m
RT: 16.739 min Scan# 2491
Delta R.T. -0.012 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Instrument :

BNA_F

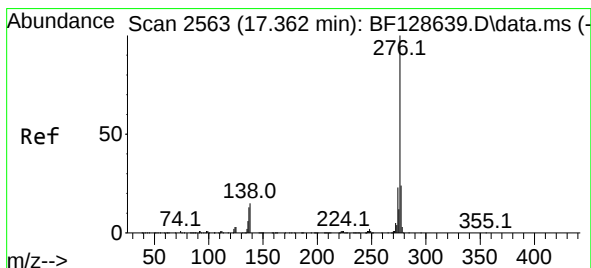
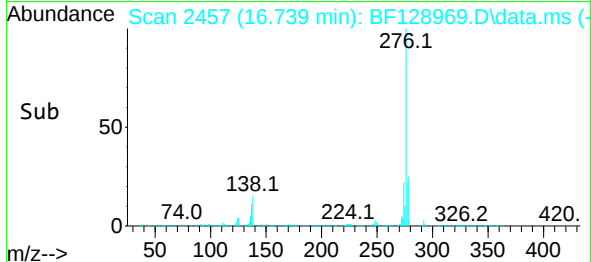
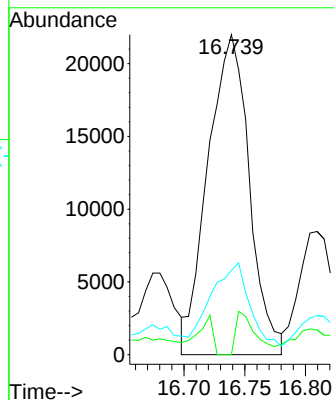
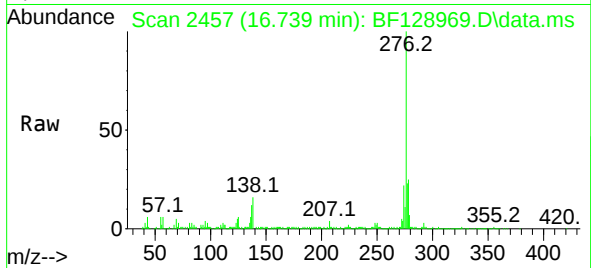
ClientSampleId :

SB-2-3-5-20220622

Tgt Ion:278 Resp: 51990
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2
279 26.4 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: 18.239 ng
RT: 17.162 min Scan# 2529
Delta R.T. -0.006 min
Lab File: BF128969.D
Acq: 23 Jun 2022 23:31

Tgt Ion:276 Resp: 136829
Ion Ratio Lower Upper
276 100
277 22.7 19.1 28.7
138 17.0 18.0 27.0#

