

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128999.D
 Acq On : 24 Jun 2022 19:57
 Operator : CG\JU
 Sample : N3455-09 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-EXC-2-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/27/2022
 Supervised By : Jagrut Upadhyay 06/27/2022

Quant Time: Jun 25 06:15:49 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	115174	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	416660	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	150783	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	226442	20.000	ng	0.00
76) Chrysene-d12	13.898	240	187867	20.000	ng	0.00
86) Perylene-d12	15.345	264	145423	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	129608	17.925	ng	0.00
7) Phenol-d6	6.381	99	165497	18.750	ng	0.00
23) Nitrobenzene-d5	7.286	82	110239	12.318	ng	-0.02
42) 2,4,6-Tribromophenol	10.557	330	20711	11.625	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	195644	18.176	ng	-0.01
79) Terphenyl-d14	12.839	244	128383	11.875	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.274	178	75274	6.627	ng	98
75) Fluoranthene	12.468	202	78994	6.654	ng	95
78) Pyrene	12.698	202	99568	7.124	ng	98
81) Benzo(a)anthracene	13.886	228	61387	5.242	ng	93
83) Chrysene	13.927	228	67371	6.034	ng	95
87) Indeno(1,2,3-cd)pyrene	16.762	276	36278	4.139	ng	# 89
88) Benzo(b)fluoranthene	14.927	252	72602m	7.813	ng	
89) Benzo(k)fluoranthene	14.945	252	21782m	2.492	ng	
90) Benzo(a)pyrene	15.286	252	91706	12.557	ng	99
92) Benzo(g,h,i)perylene	17.192	276	57023	7.914	ng	95

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

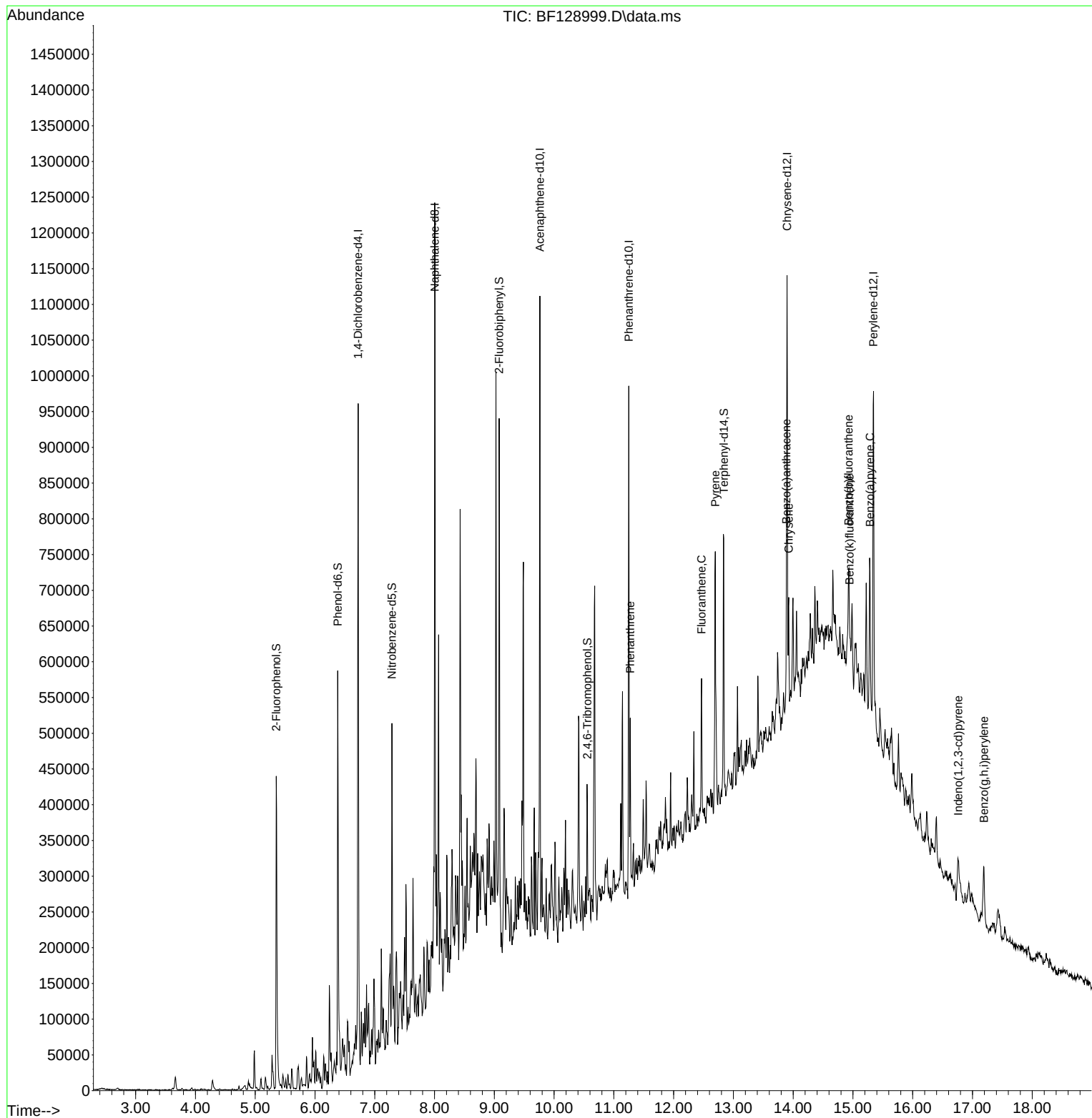
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
Data File : BF128999.D
Acq On : 24 Jun 2022 19:57
Operator : CG\JU
Sample : N3455-09 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

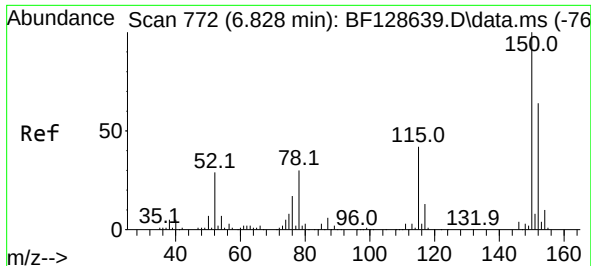
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2

Quant Time: Jun 25 06:15:49 2022
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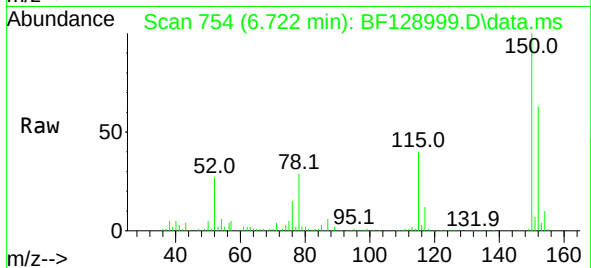
Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

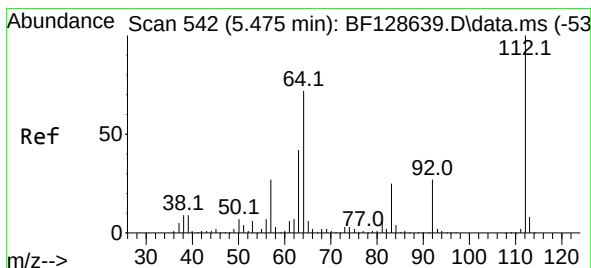
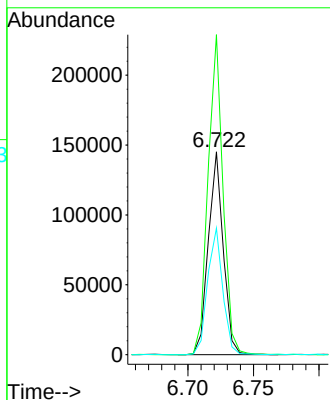
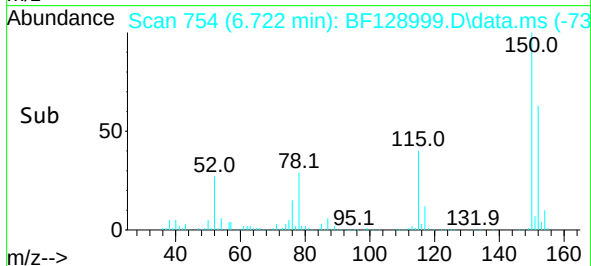
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2



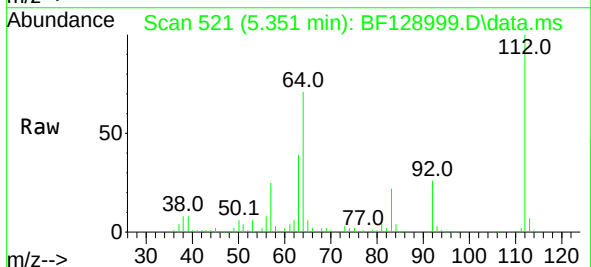
Tgt Ion:152 Resp: 115174
Ion Ratio Lower Upper
152 100
150 157.8 123.7 185.5
115 62.4 49.9 74.9

Manual Integrations
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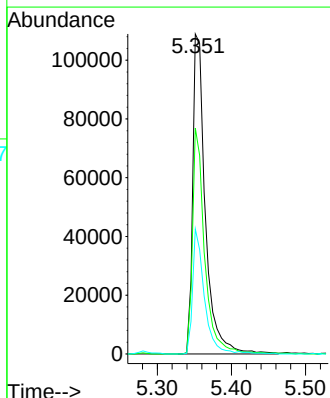
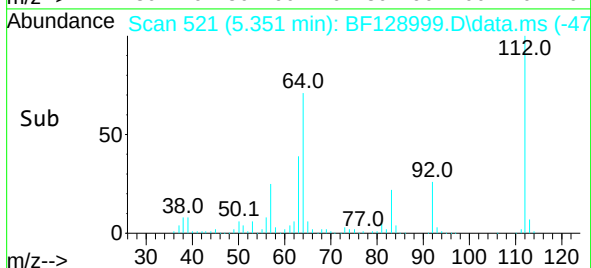
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

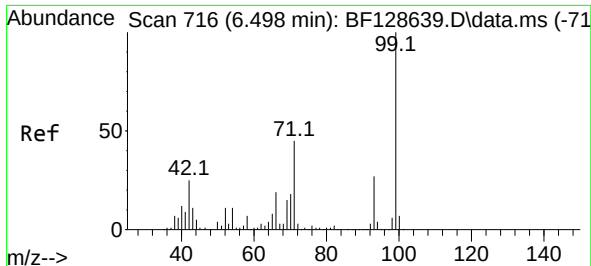


#5
2-Fluorophenol
Concen: 17.925 ng
RT: 5.351 min Scan# 521
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57



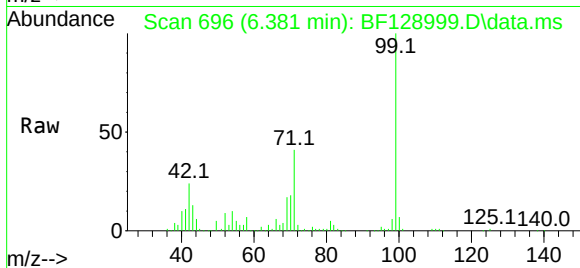
Tgt Ion:112 Resp: 129608
Ion Ratio Lower Upper
112 100
64 70.6 53.3 79.9
63 39.1 28.0 42.0





#7
Phenol-d6
Concen: 18.750 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

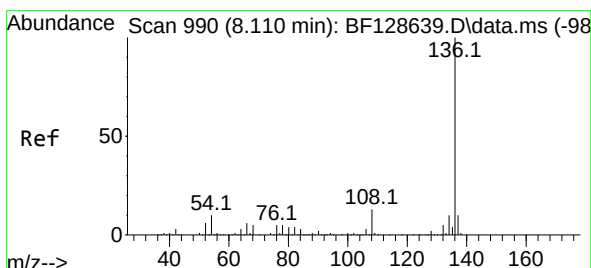
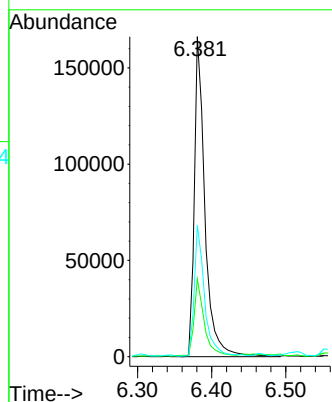
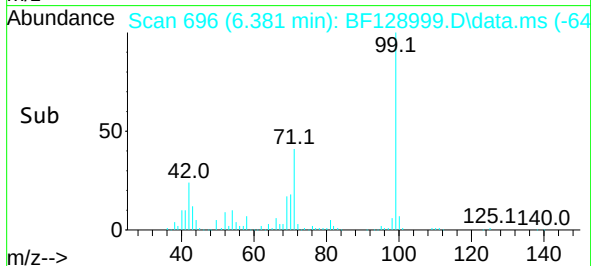
Instrument :
BNA_F
ClientSampleId :
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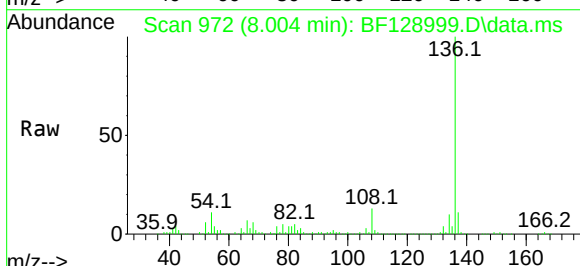
Tgt Ion: 99 Resp: 165497
Ion Ratio Lower Upper
99 100
42 24.3 17.3 25.9
71 41.0 28.9 43.3

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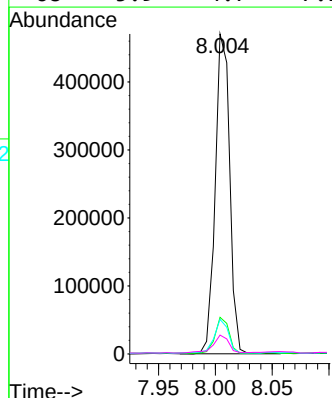
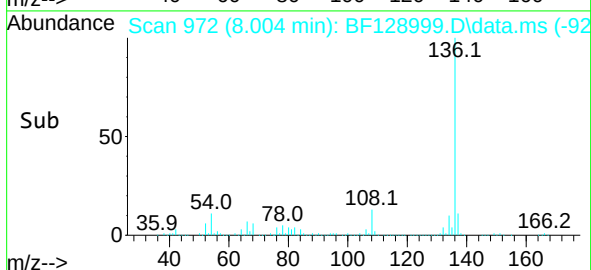
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

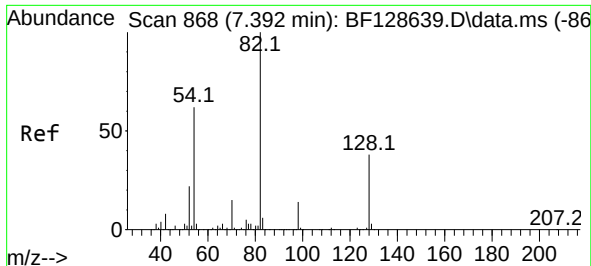


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57



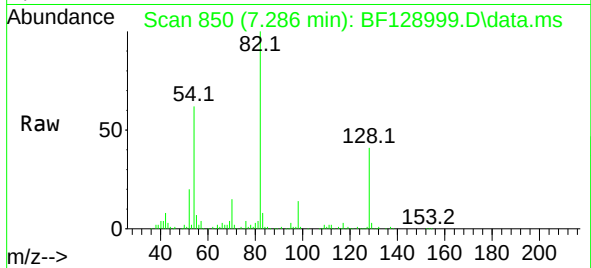
Tgt Ion:136 Resp: 416660
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 10.8 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 12.318 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

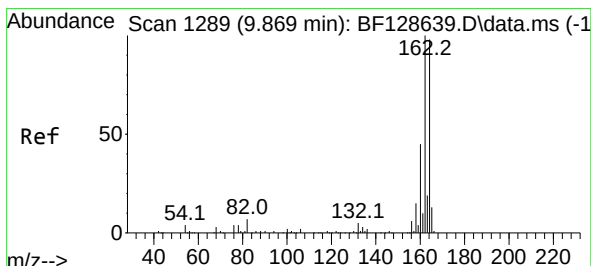
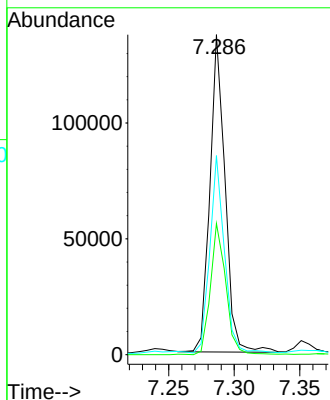
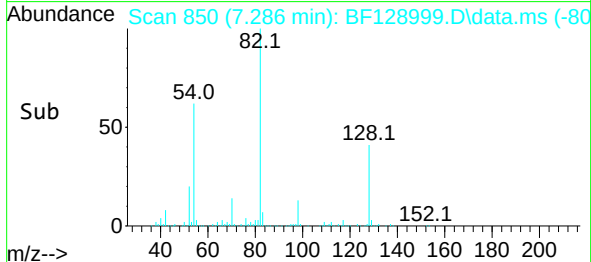
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2



Tgt Ion: 82 Resp: 110239
Ion Ratio Lower Upper
82 100
128 41.0 34.0 51.0
54 62.2 46.9 70.3

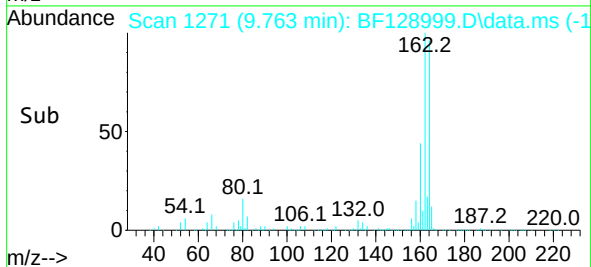
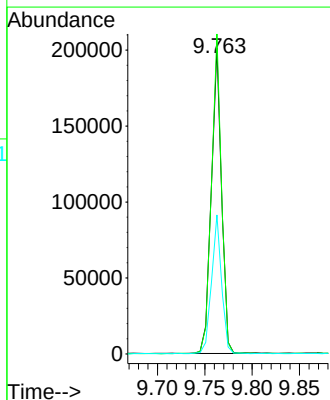
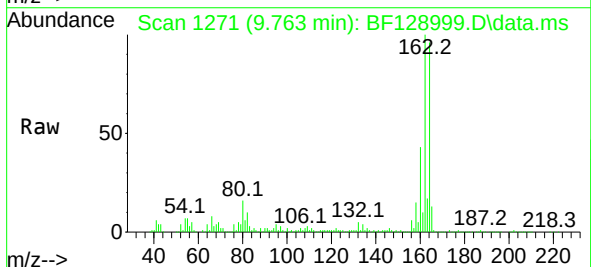
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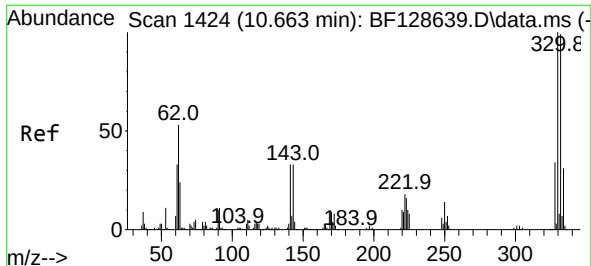
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

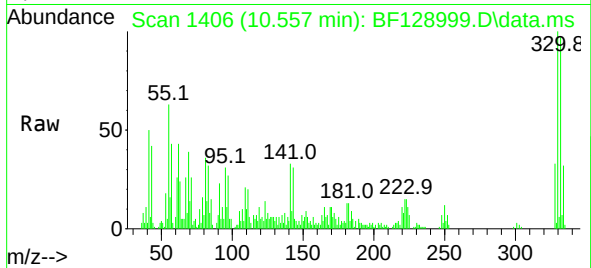
Tgt Ion:164 Resp: 150783
Ion Ratio Lower Upper
164 100
162 104.6 79.5 119.3
160 45.5 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 11.625 ng
RT: 10.557 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

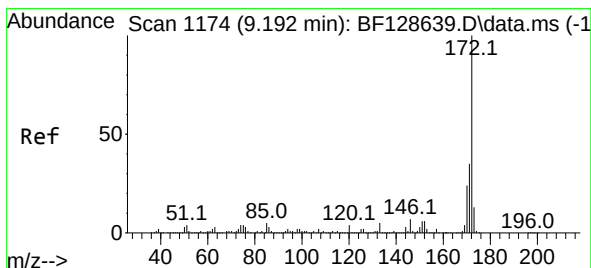
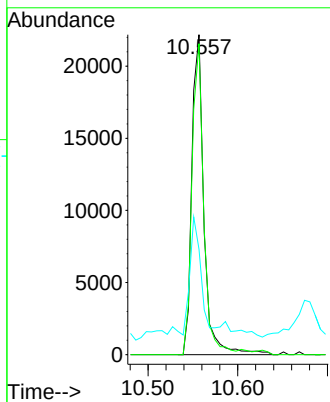
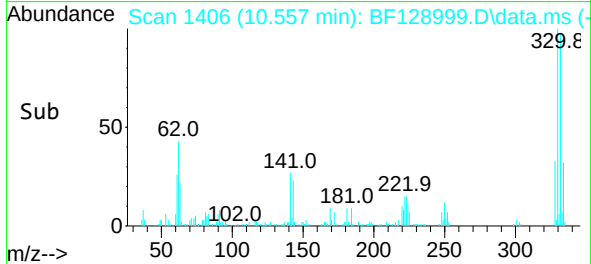
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2



Tgt Ion: 330 Resp: 2071
Ion Ratio Lower Upper
330 100
332 94.5 76.8 115.2
141 30.8 28.0 42.0

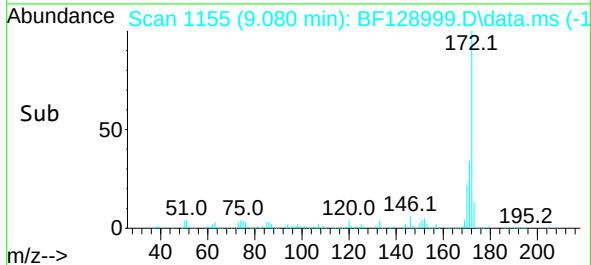
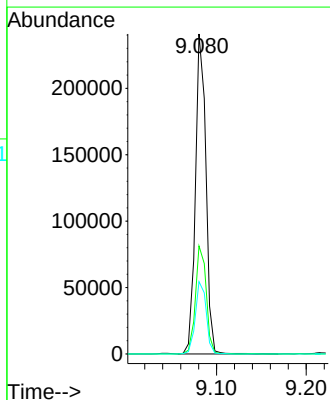
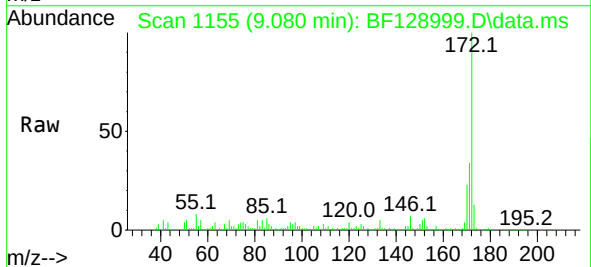
Manual Integrations
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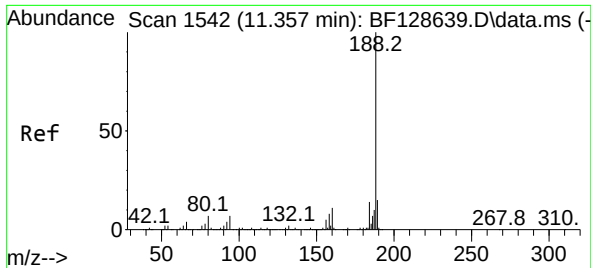
Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022



#45
2-Fluorobiphenyl
Concen: 18.176 ng
RT: 9.080 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

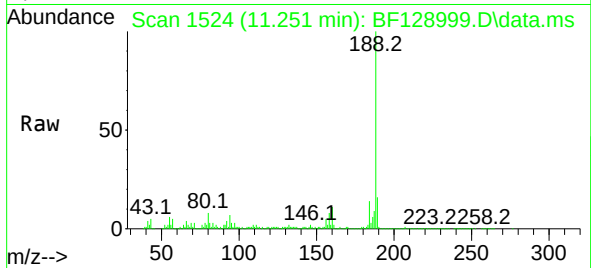
Tgt Ion: 172 Resp: 195644
Ion Ratio Lower Upper
172 100
171 33.8 28.8 43.2
170 22.6 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

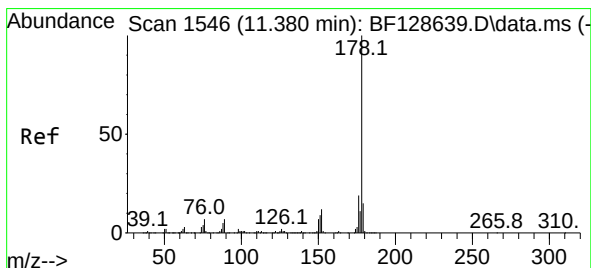
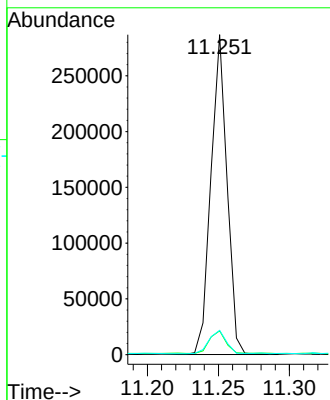
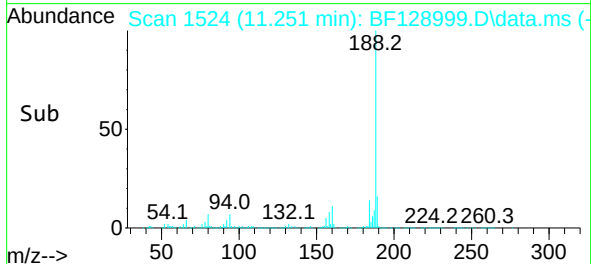
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2



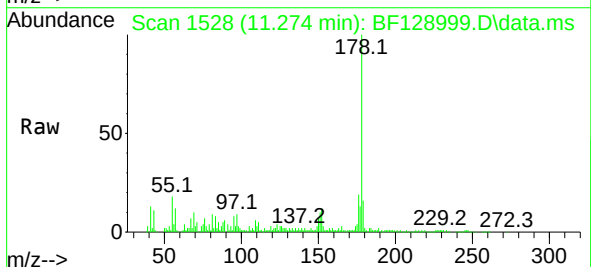
Tgt Ion:188 Resp: 22644
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 7.6 7.6 11.4

Manual Integrations
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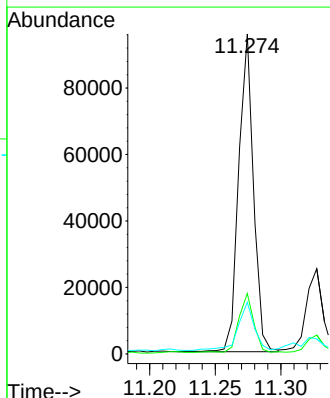
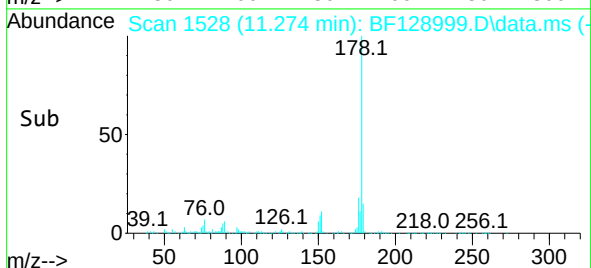
Reviewed By :Christian Giraldo 06/27/2022
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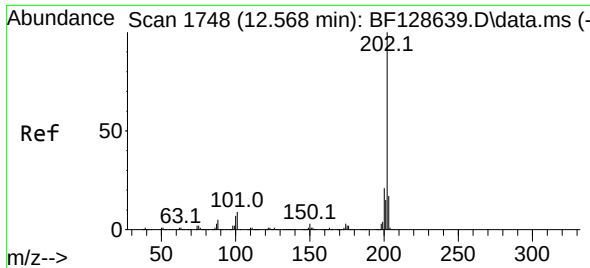


#71
Phenanthrene
Concen: 6.627 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57



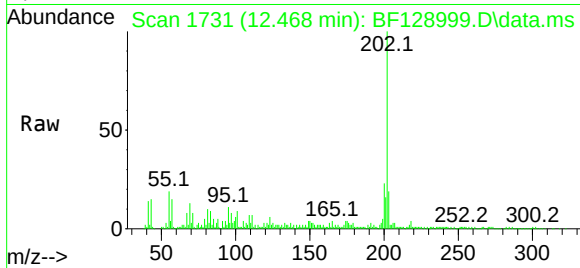
Tgt Ion:178 Resp: 75274
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 16.1 12.6 19.0





#75
Fluoranthene
Concen: 6.654 ng
RT: 12.468 min Scan# 1748
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

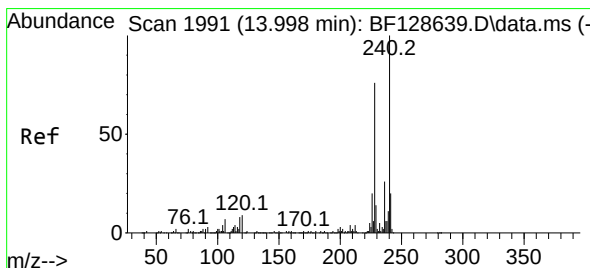
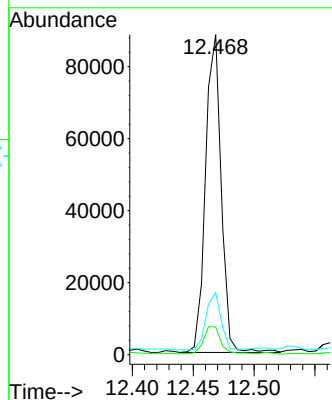
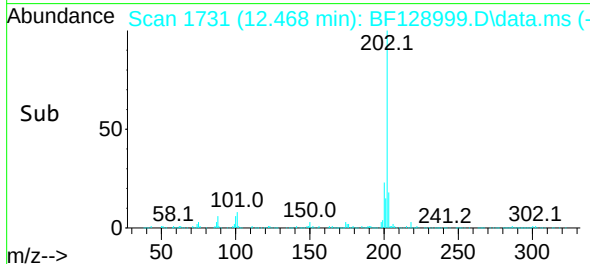
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2



Tgt Ion:202 Resp: 78994
Ion Ratio Lower Upper
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101 8.7 0.0 31.4
203 19.4 0.0 38.0

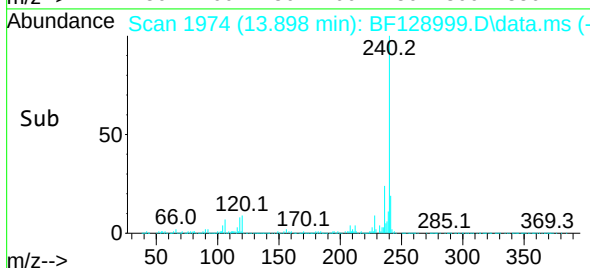
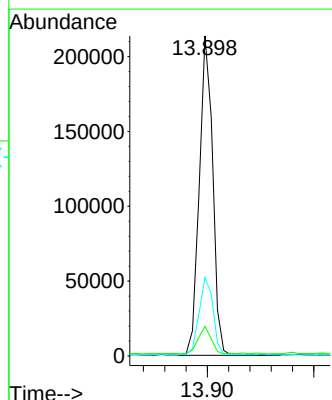
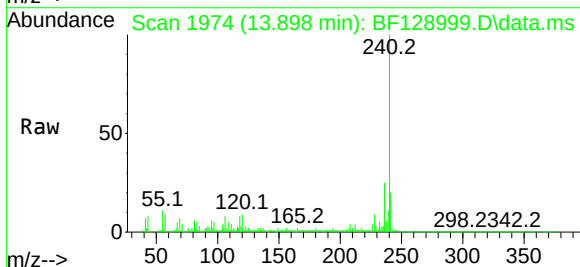
Manual Integrations
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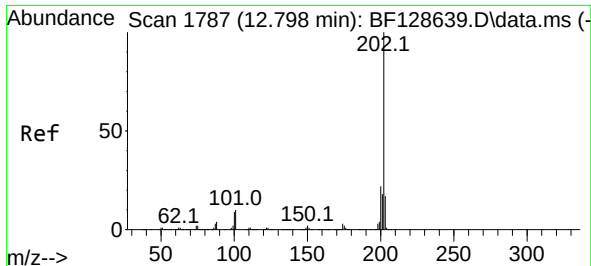
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

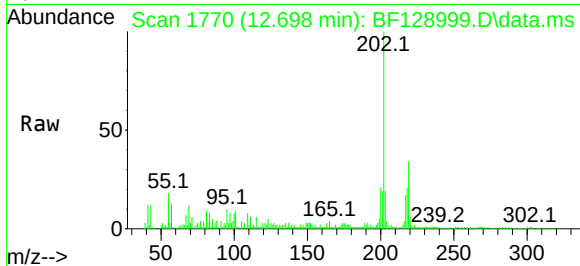
Tgt Ion:240 Resp: 187867
Ion Ratio Lower Upper
240 100
120 9.2 8.9 13.3
236 24.5 20.8 31.2





#78
Pyrene
Concen: 7.124 ng
RT: 12.698 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

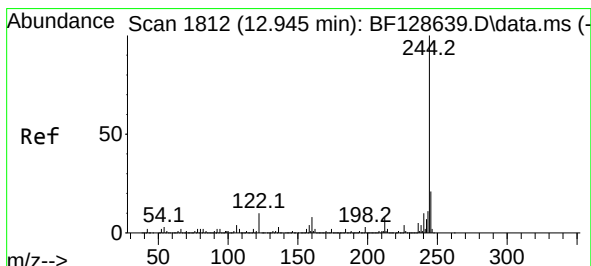
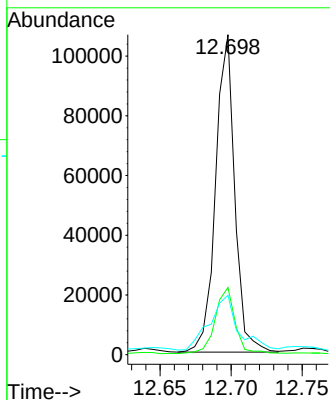
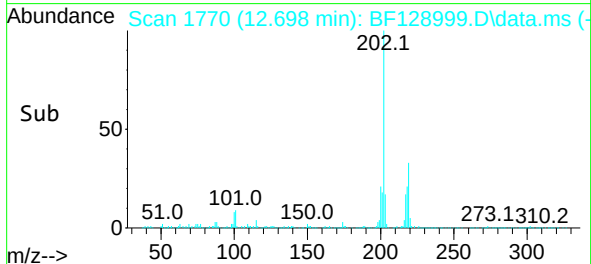
Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2



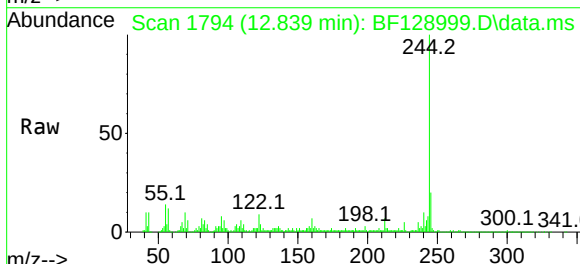
Tgt Ion:202 Resp: 99568
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 18.6 14.6 21.8

Manual Integrations
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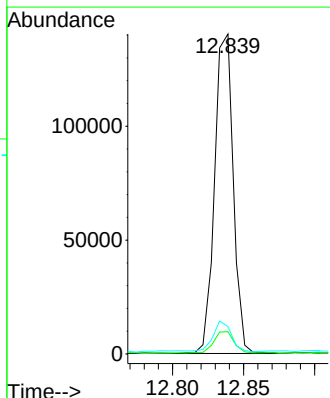
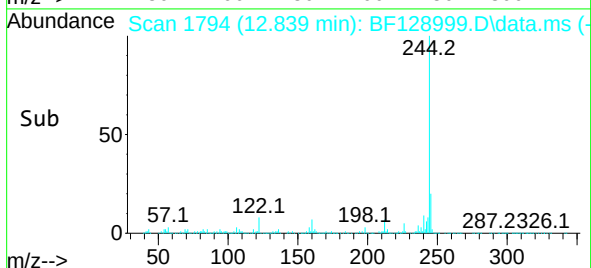
Reviewed By :Christian Giraldo 06/27/2022
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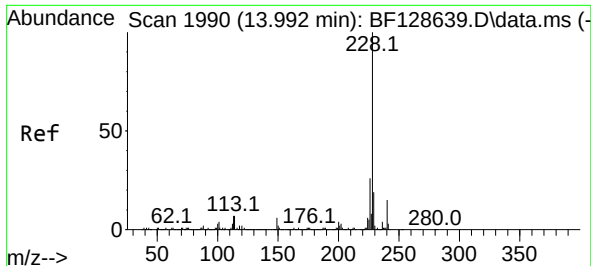


#79
Terphenyl-d14
Concen: 11.875 ng
RT: 12.839 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57



Tgt Ion:244 Resp: 128383
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 8.5 8.8 13.2#





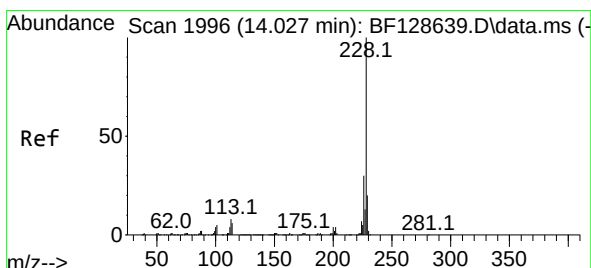
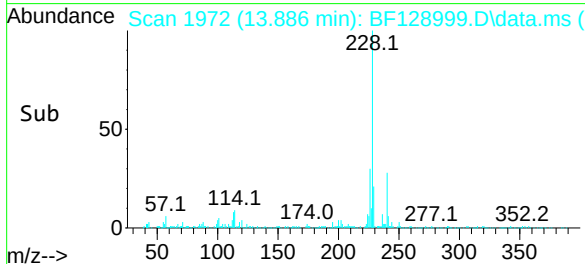
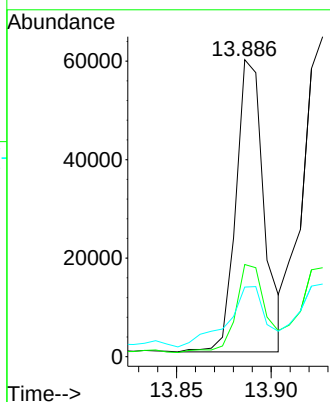
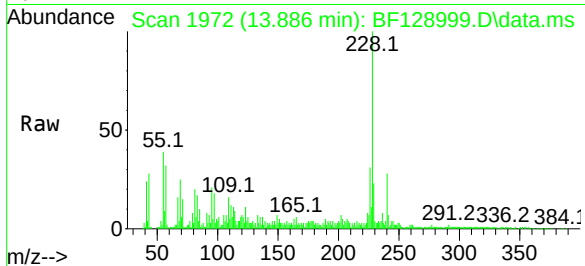
#81
Benzo(a)anthracene
Concen: 5.242 ng
RT: 13.886 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2

Tgt Ion:228 Resp: 6138
Ion Ratio Lower Upper
228 100
226 31.0 22.1 33.1
229 23.5 15.8 23.8

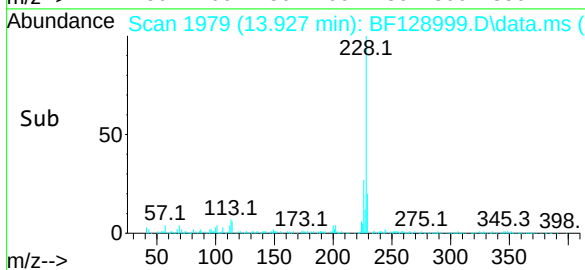
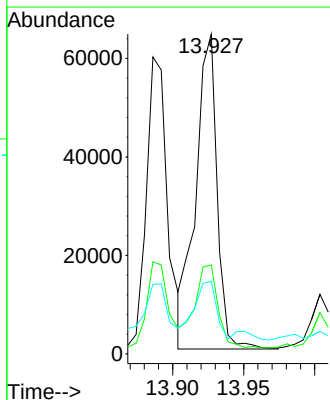
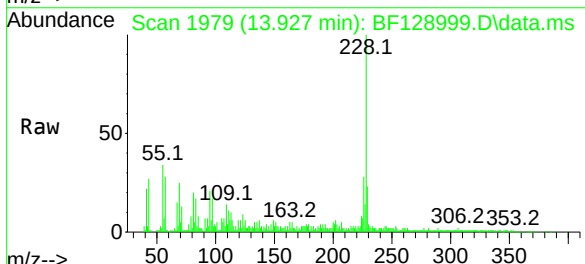
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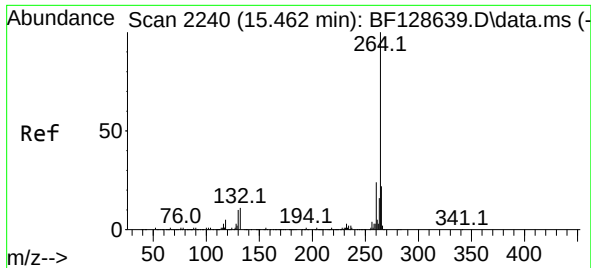
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#83
Chrysene
Concen: 6.034 ng
RT: 13.927 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

Tgt Ion:228 Resp: 67371
Ion Ratio Lower Upper
228 100
226 27.8 24.3 36.5
229 22.7 15.9 23.9





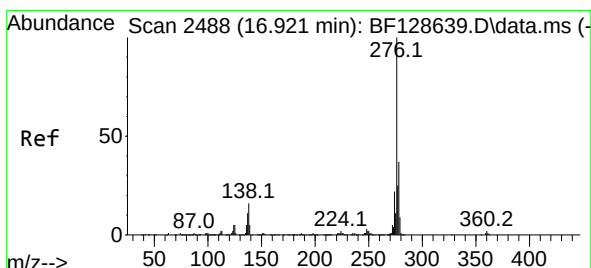
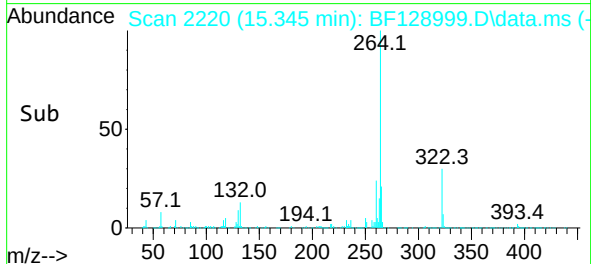
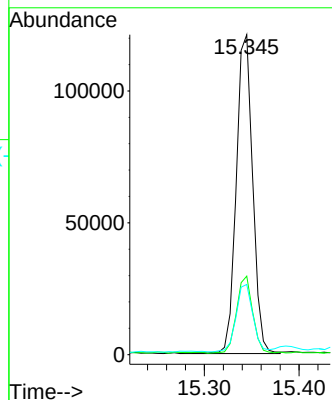
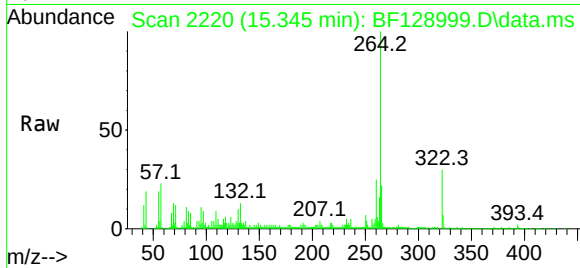
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2

Tgt Ion:264 Resp: 14542
Ion Ratio Lower Upper
264 100
260 24.5 18.4 27.6
265 21.9 17.2 25.8

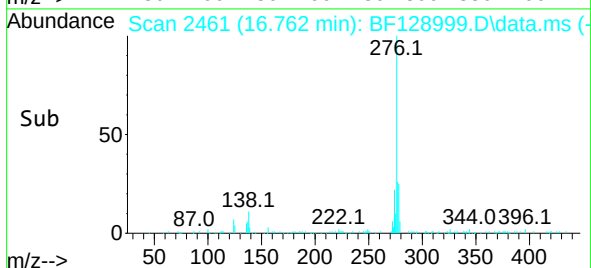
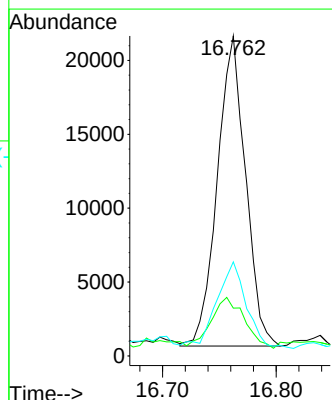
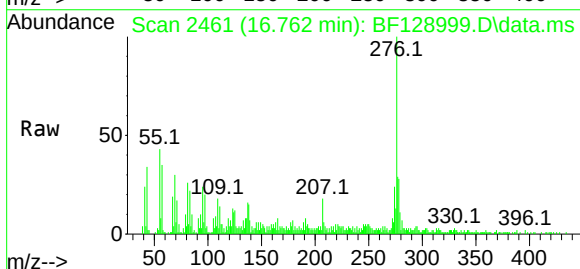
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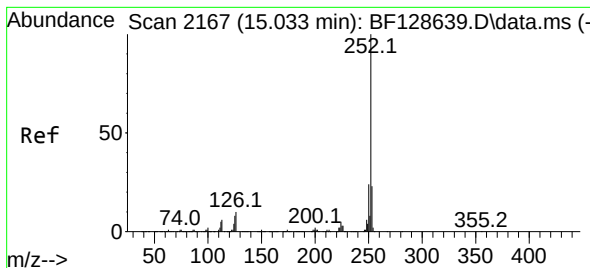
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.139 ng
RT: 16.762 min Scan# 2461
Delta R.T. 0.017 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

Tgt Ion:276 Resp: 36278
Ion Ratio Lower Upper
276 100
138 19.3 21.1 31.7#
277 29.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.813 ng m

RT: 14.927 min Scan# 2167

Delta R.T. 0.006 min

Lab File: BF128999.D

Acq: 24 Jun 2022 19:57

Instrument :

BNF

ClientSampleId :

SP-EXC-2-2

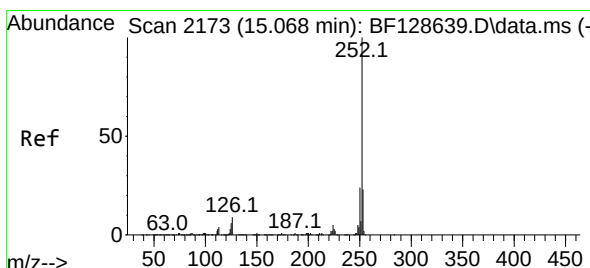
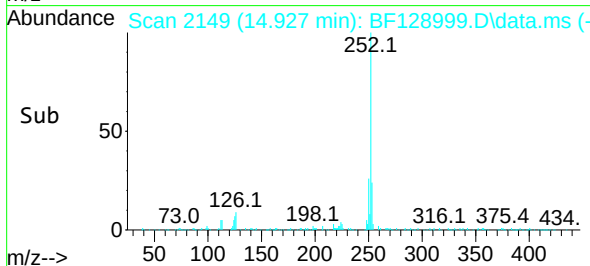
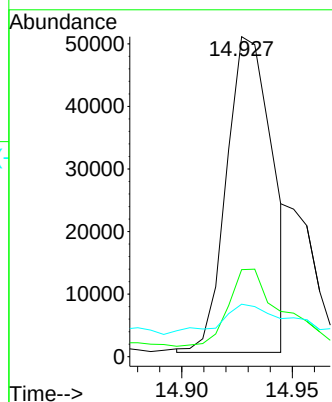
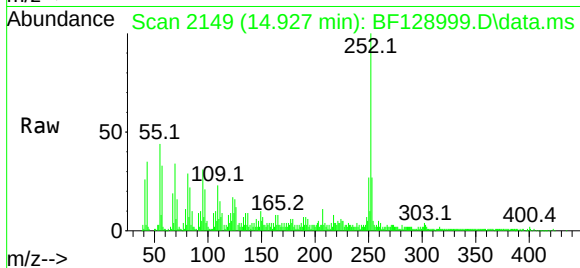
Tgt Ion:252 Resp: 72602
 Ion Ratio Lower Upper
 252 100
 253 27.2 17.7 26.5#
 125 16.4 8.0 12.0#

Manual Integrations

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Reviewed By :Christian Giraldo 06/27/2022

Supervised By :Jagrut Upadhyay 06/27/2022



#89

Benzo(k)fluoranthene

Concen: 2.492 ng m

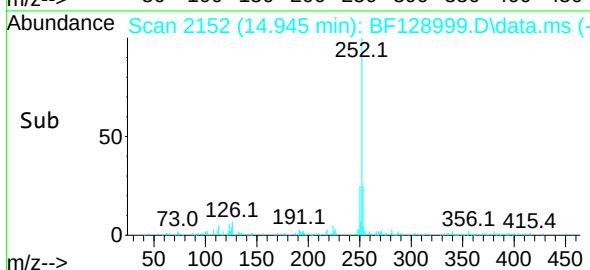
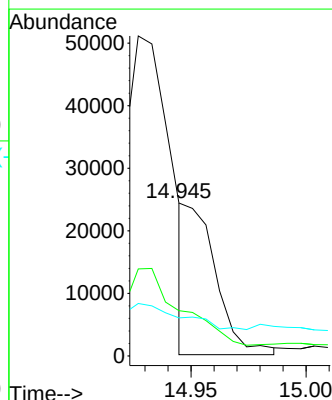
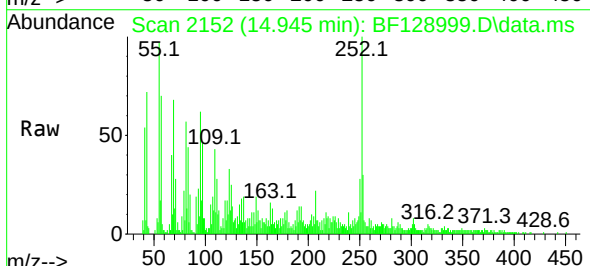
RT: 14.945 min Scan# 2152

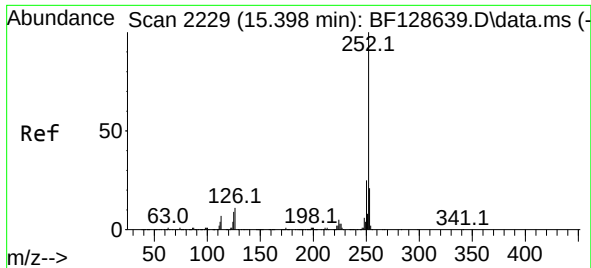
Delta R.T. -0.006 min

Lab File: BF128999.D

Acq: 24 Jun 2022 19:57

Tgt Ion:252 Resp: 21782
 Ion Ratio Lower Upper
 252 100
 253 29.6 17.8 26.6#
 125 24.9 8.3 12.5#





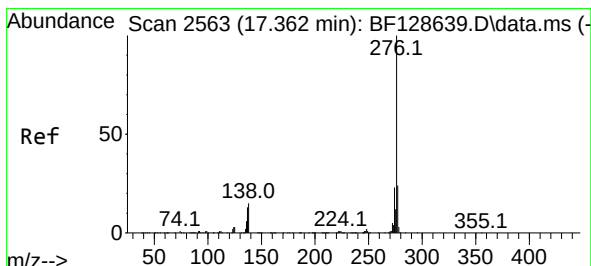
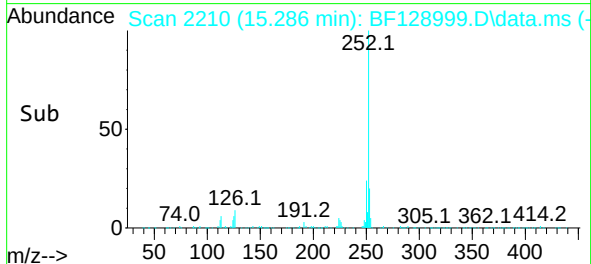
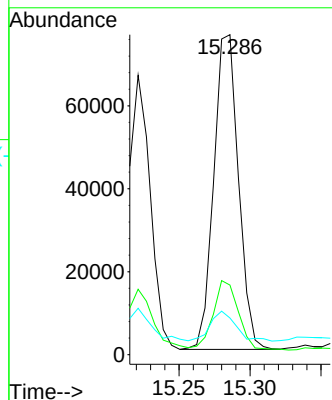
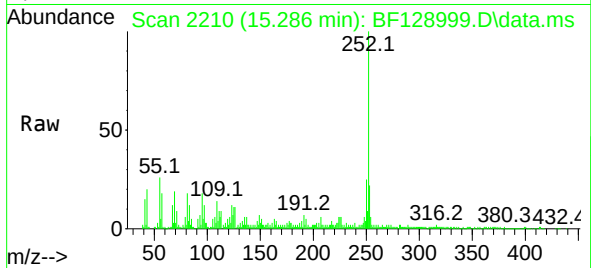
#90
Benzo(a)pyrene
Concen: 12.557 ng
RT: 15.286 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

Instrument :
BNA_F
ClientSampleId :
SP-EXC-2-2

Tgt Ion:252 Resp: 91700
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 11.5 8.8 13.2

Manual Integrations
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Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#92
Benzo(g,h,i)perylene
Concen: 7.914 ng
RT: 17.192 min Scan# 2534
Delta R.T. 0.023 min
Lab File: BF128999.D
Acq: 24 Jun 2022 19:57

Tgt Ion:276 Resp: 57023
Ion Ratio Lower Upper
276 100
277 27.1 19.1 28.7
138 23.9 18.0 27.0

