

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128964.D
 Acq On : 23 Jun 2022 21:06
 Operator : CG\JU
 Sample : N3430-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5-0-2-20220621

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:34:41 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	112849	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	434856	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	251449	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	463852	20.000	ng	0.00
76) Chrysene-d12	13.892	240	280076	20.000	ng	# 0.00
86) Perylene-d12	15.327	264	150692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	629005	88.782	ng	0.00
7) Phenol-d6	6.381	99	803987	92.966	ng	0.00
23) Nitrobenzene-d5	7.292	82	589658	63.133	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	230245	77.498	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1093540	60.920	ng	0.00
79) Terphenyl-d14	12.839	244	1148409	71.249	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.274	178	230258	9.897	ng	98
72) Anthracene	11.322	178	46219	2.007	ng	98
75) Fluoranthene	12.463	202	356679	14.666	ng	96
78) Pyrene	12.692	202	304005	14.589	ng	99
81) Benzo(a)anthracene	13.880	228	130195	7.458	ng	97
83) Chrysene	13.915	228	115321	6.929	ng	99
87) Indeno(1,2,3-cd)pyrene	16.733	276	39308	4.328	ng	# 90
88) Benzo(b)fluoranthene	14.915	252	123437m	12.819	ng	
89) Benzo(k)fluoranthene	14.939	252	36120m	3.988	ng	
90) Benzo(a)pyrene	15.268	252	62649m	8.278	ng	
92) Benzo(g,h,i)perylene	17.156	276	38674m	5.180	ng	

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

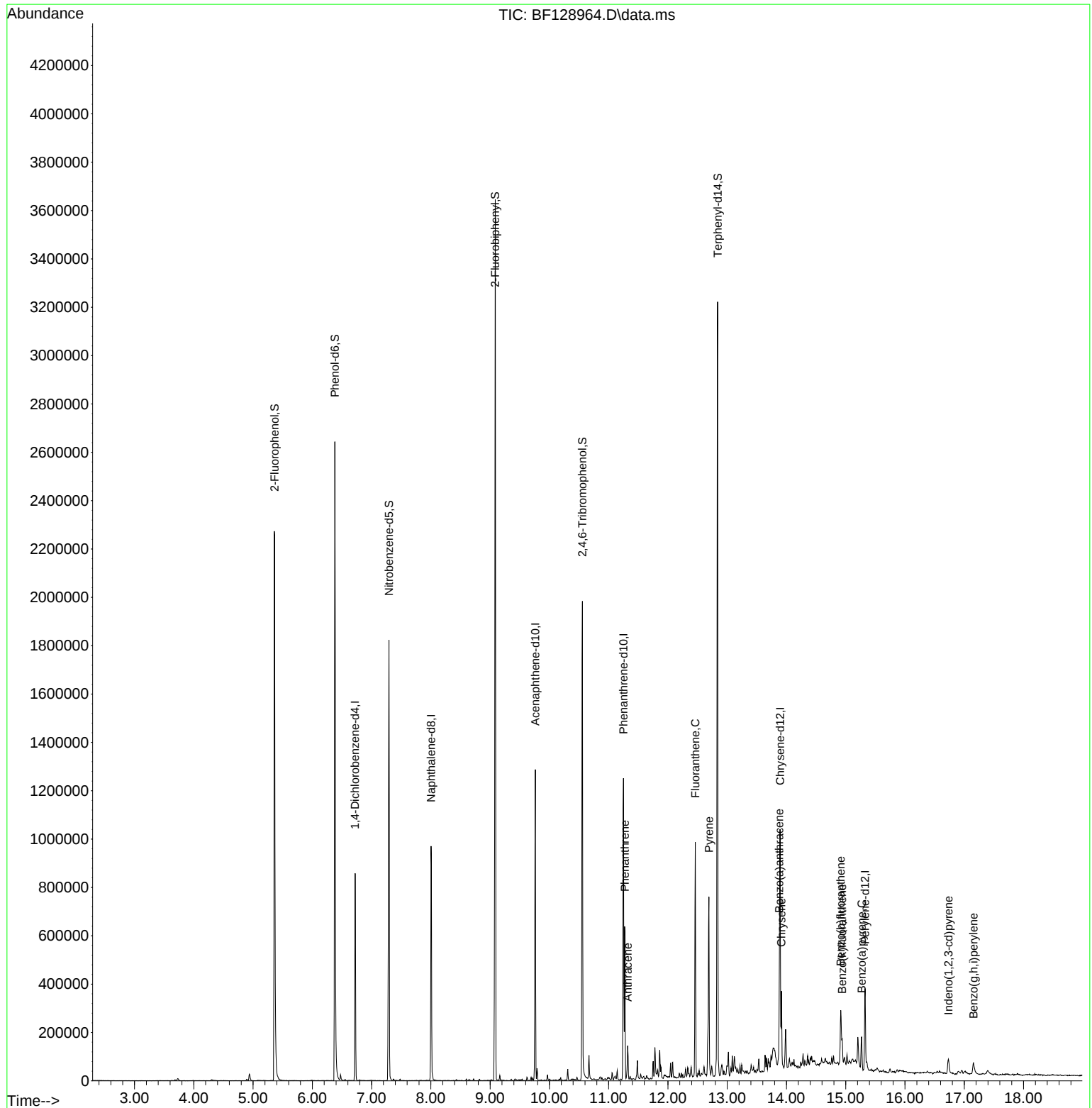
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
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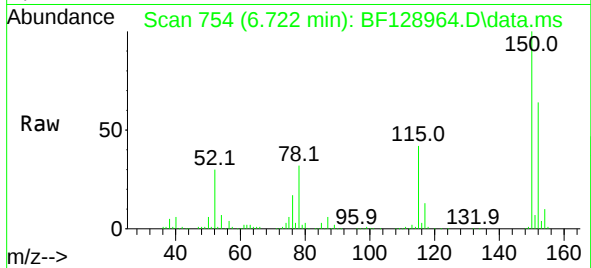
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

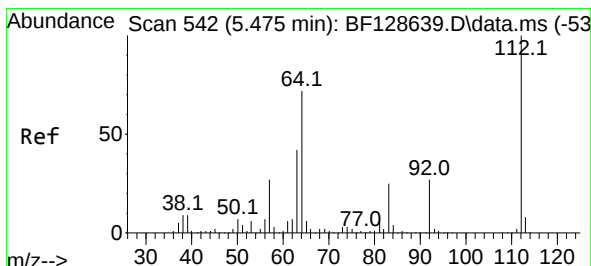
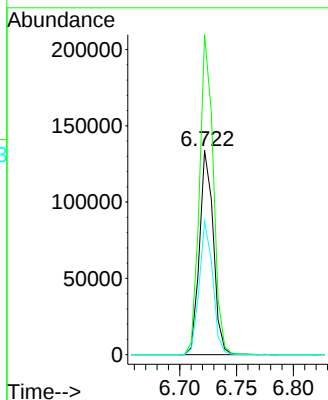
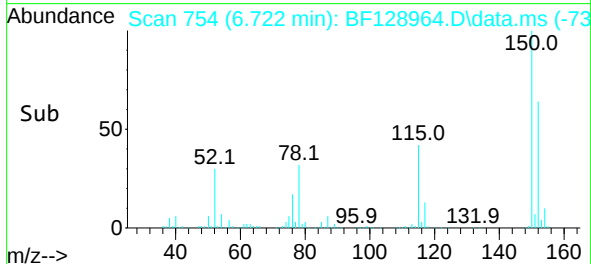
Instrument :
BNA_F
ClientSampleId :
SB-5-0-2-20220621



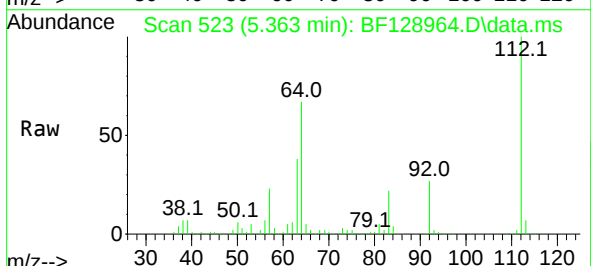
Tgt Ion:152 Resp: 112849
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 65.5 49.9 74.9

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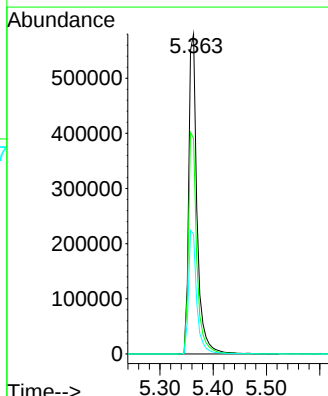
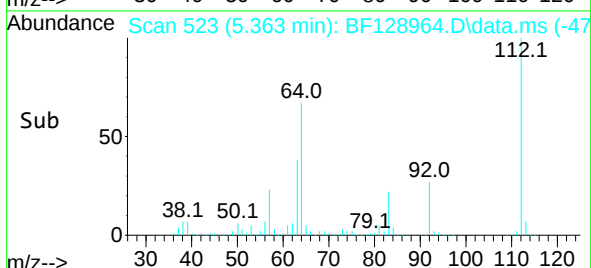
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 88.782 ng
RT: 5.363 min Scan# 523
Delta R.T. 0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06



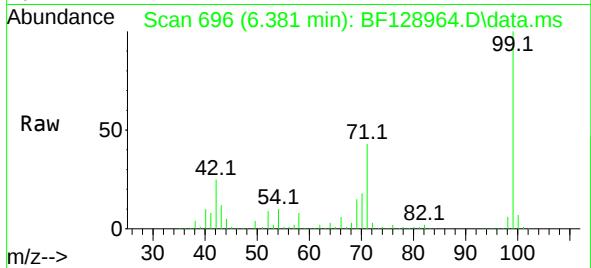
Tgt Ion:112 Resp: 629005
Ion Ratio Lower Upper
112 100
64 67.4 53.3 79.9
63 37.5 28.0 42.0





#7
Phenol-d6
Concen: 92.966 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

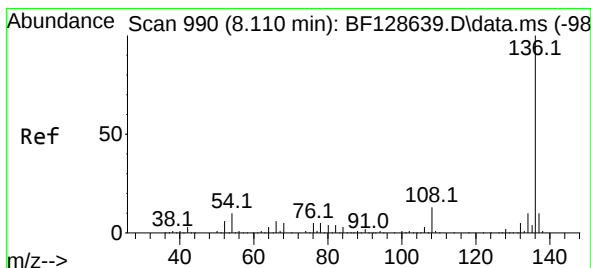
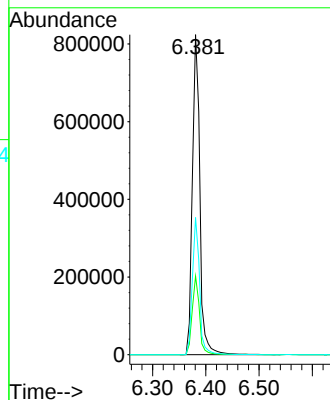
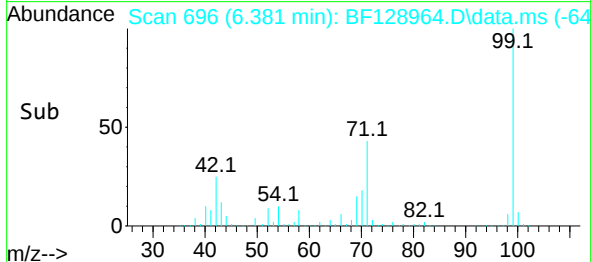
Instrument :
BNA_F
ClientSampleId :
SB-5-0-2-20220621



Tgt Ion: 99 Resp: 80398
Ion Ratio Lower Upper
99 100
42 24.5 17.3 25.9
71 42.9 28.9 43.3

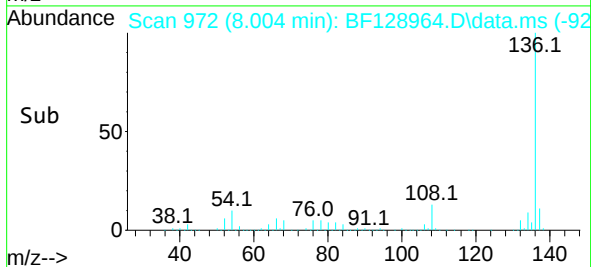
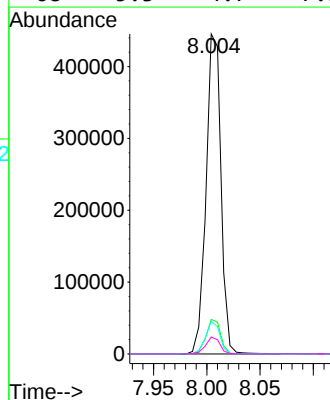
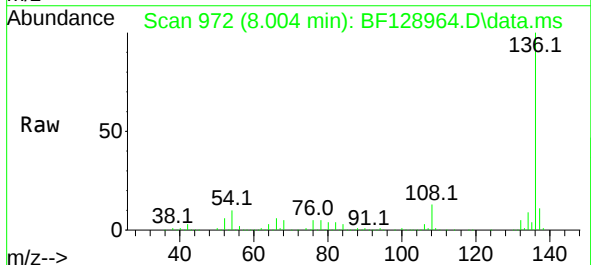
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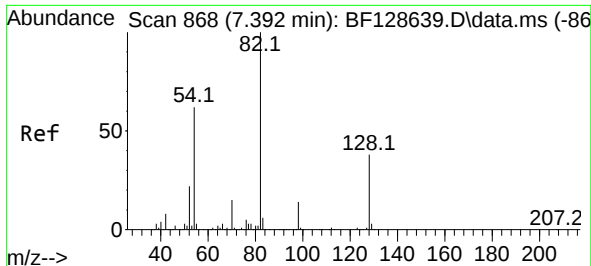
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

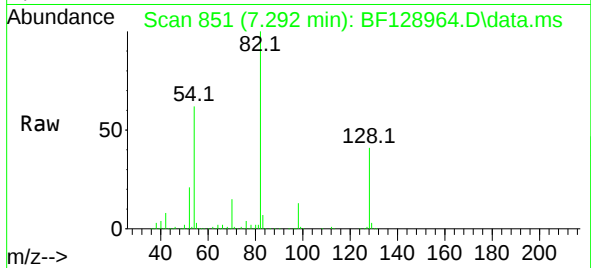
Tgt Ion:136 Resp: 434856
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.2 7.5 11.3
68 5.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 63.133 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

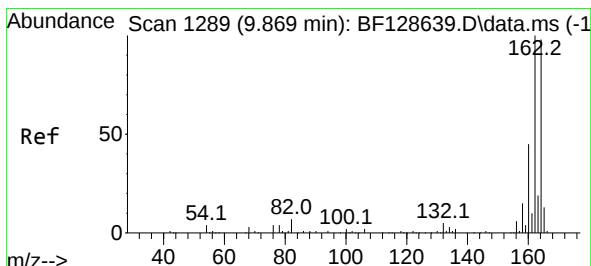
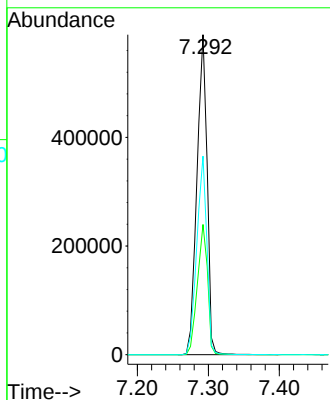
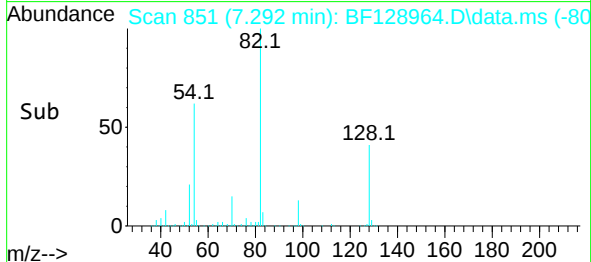
Instrument :
BNA_F
ClientSampleId :
SB-5-0-2-20220621



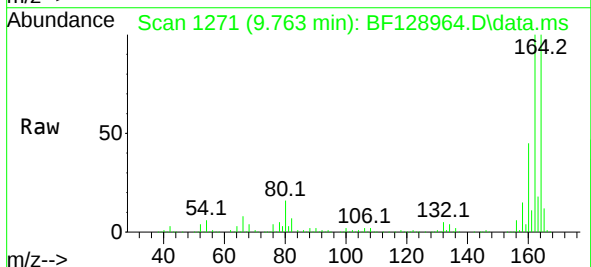
Tgt Ion: 82 Resp: 589658
Ion Ratio Lower Upper
82 100
128 40.7 34.0 51.0
54 62.0 46.9 70.3

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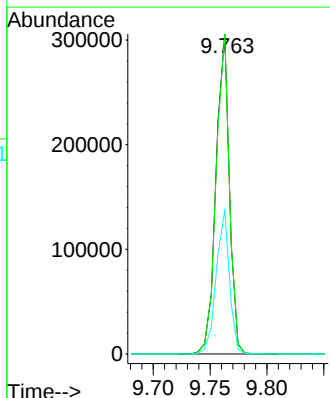
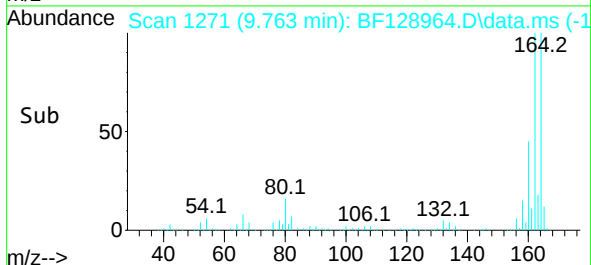
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

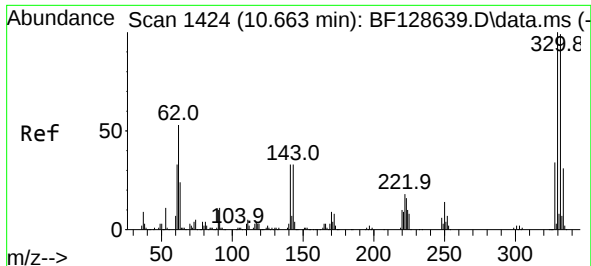


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06



Tgt Ion:164 Resp: 251449
Ion Ratio Lower Upper
164 100
162 99.9 79.5 119.3
160 44.8 34.2 51.4





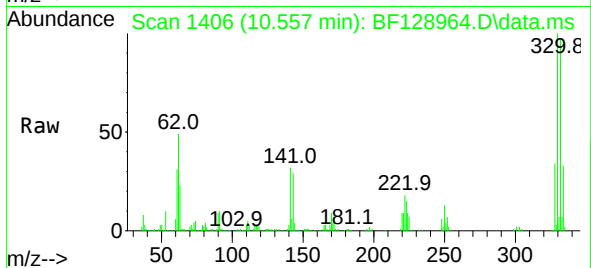
#42
2,4,6-Tribromophenol
Concen: 77.498 ng
RT: 10.557 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SB-5-0-2-20220621

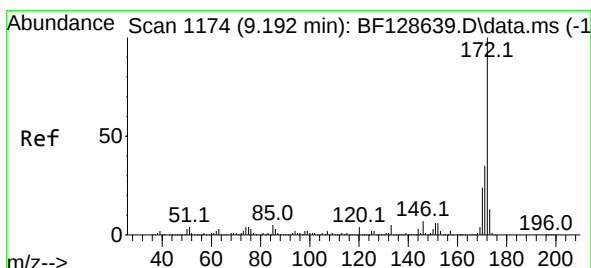
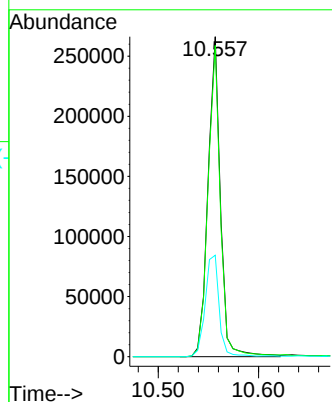
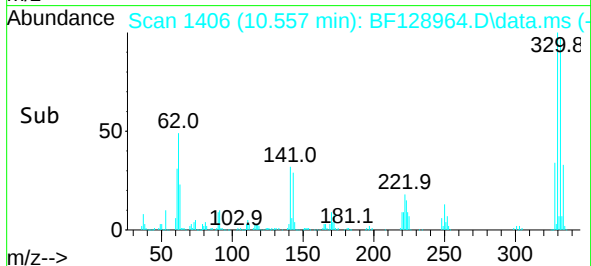


Tgt Ion: 330 Resp: 230245
Ion Ratio Lower Upper
330 100
332 97.9 76.8 115.2
141 36.1 28.0 42.0

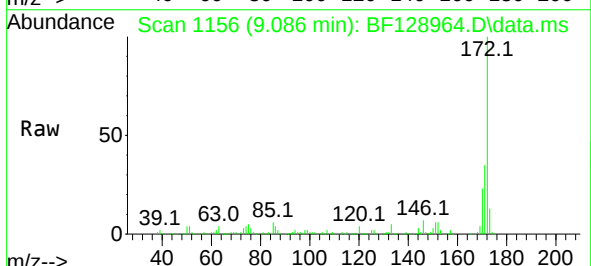
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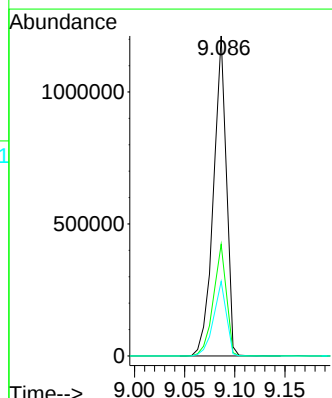
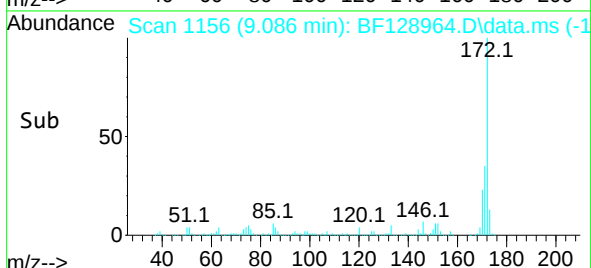
Reviewed By : Christian Giraldo 06/24/2022
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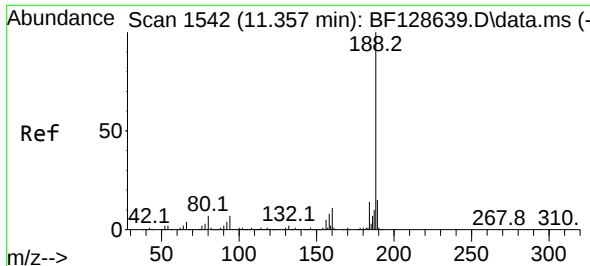


#45
2-Fluorobiphenyl
Concen: 60.920 ng
RT: 9.086 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06



Tgt Ion: 172 Resp: 1093540
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.3 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

Instrument :

BNA_F

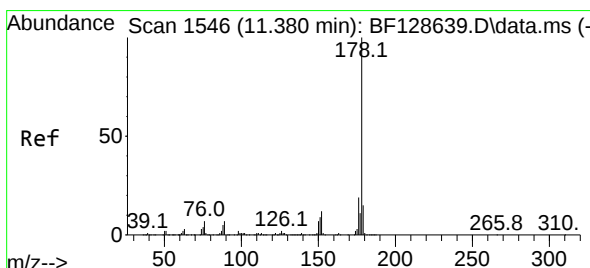
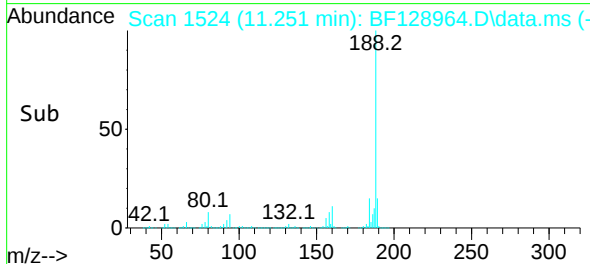
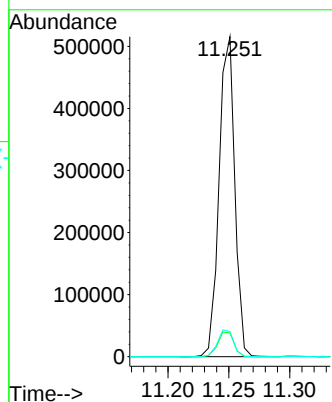
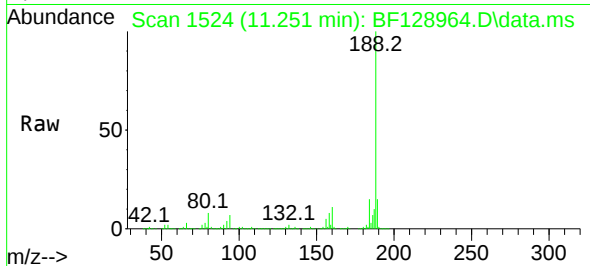
ClientSampleId :

SB-5-0-2-20220621

Tgt Ion:188 Resp: 463852
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 7.9 7.6 11.4

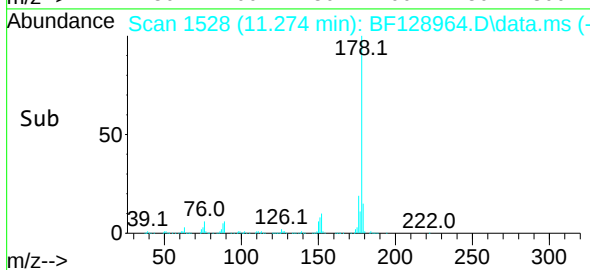
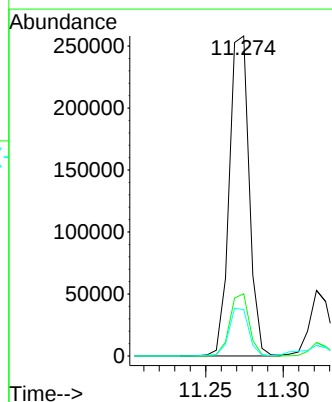
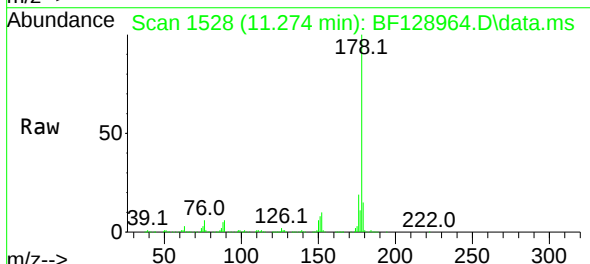
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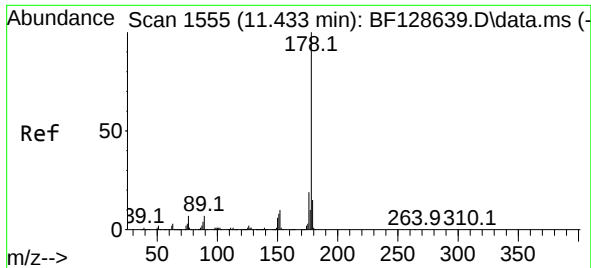
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#71
Phenanthrene
Concen: 9.897 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

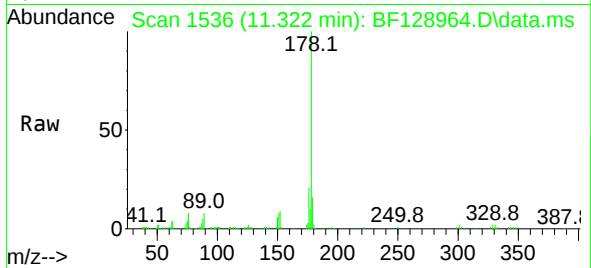
Tgt Ion:178 Resp: 230258
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.5 12.6 19.0





#72
 Anthracene
 Concen: 2.007 ng
 RT: 11.322 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128964.D
 Acq: 23 Jun 2022 21:06

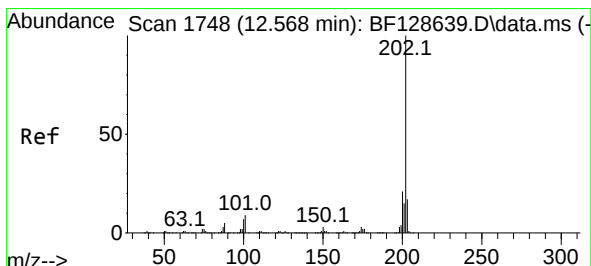
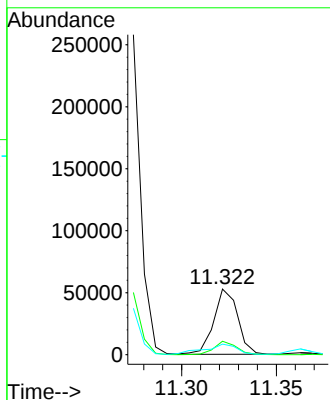
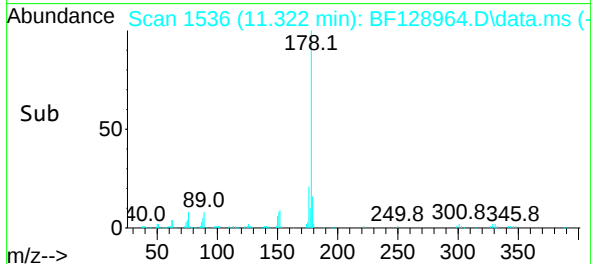
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Tgt Ion:178 Resp: 46219
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.4 23.2
 179 16.1 12.6 19.0

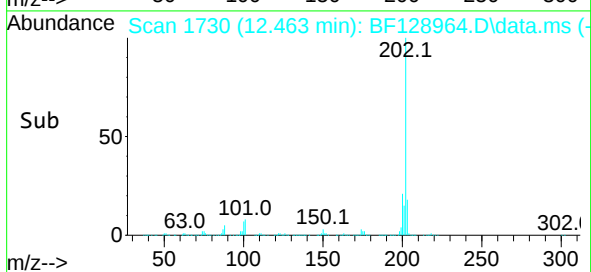
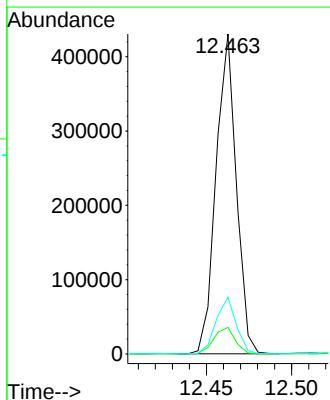
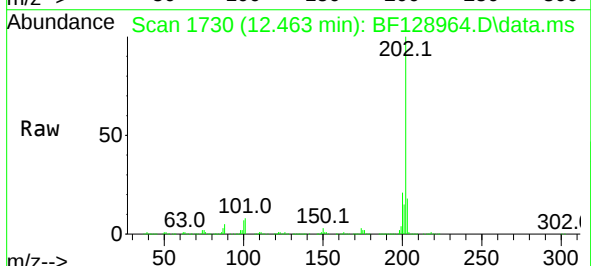
Manual Integrations
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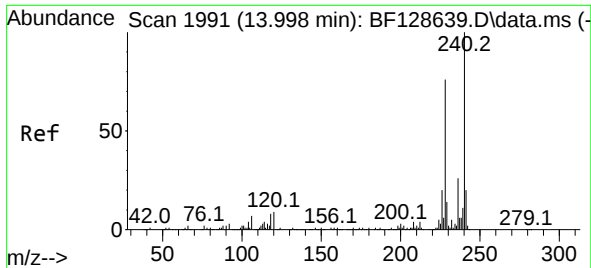
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#75
 Fluoranthene
 Concen: 14.666 ng
 RT: 12.463 min Scan# 1730
 Delta R.T. -0.006 min
 Lab File: BF128964.D
 Acq: 23 Jun 2022 21:06

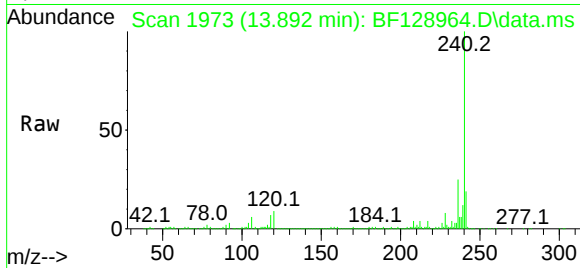
Tgt Ion:202 Resp: 356679
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 31.4
 203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

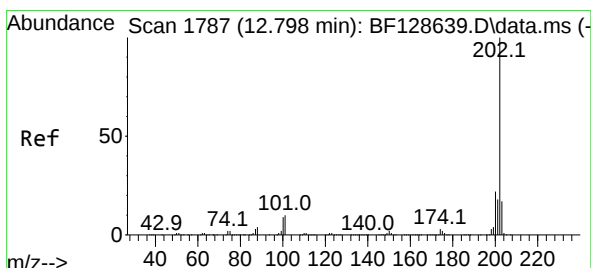
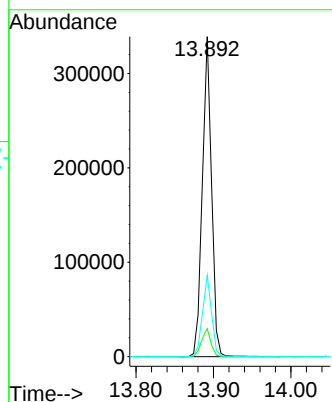
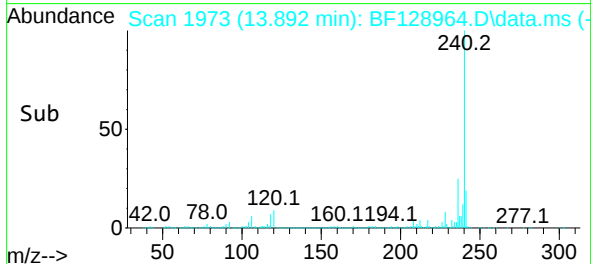
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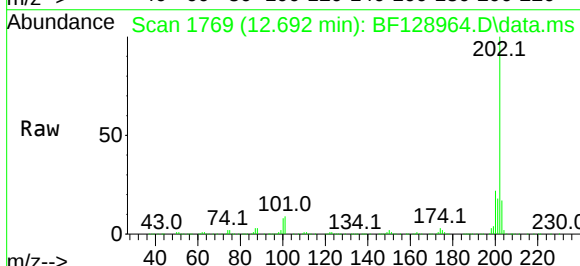
Tgt Ion:240 Resp: 280070
Ion Ratio Lower Upper
240 100
120 8.7 8.9 13.3
236 25.4 20.8 31.2

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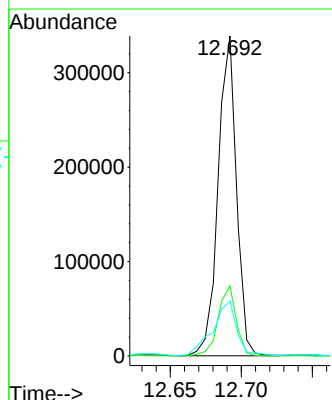
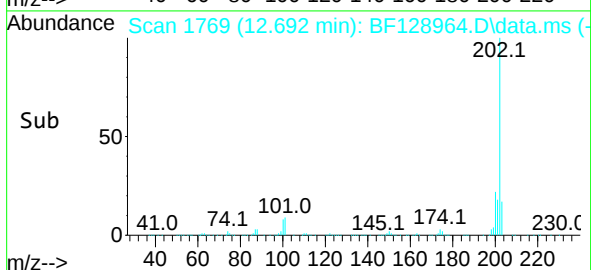
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

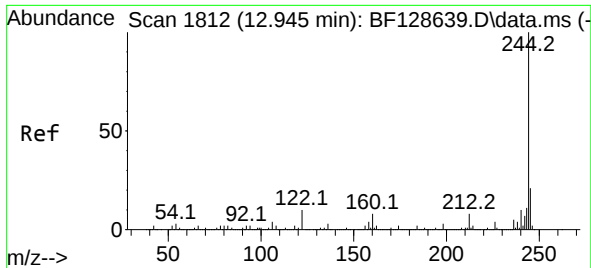


#78
Pyrene
Concen: 14.589 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06



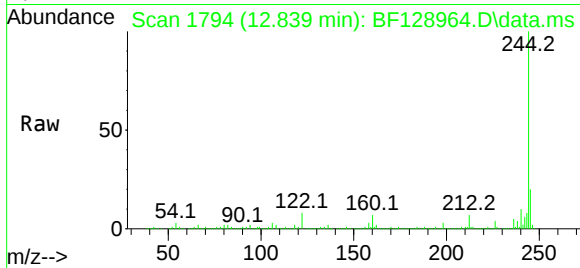
Tgt Ion:202 Resp: 304005
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 71.249 ng
 RT: 12.839 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128964.D
 Acq: 23 Jun 2022 21:06

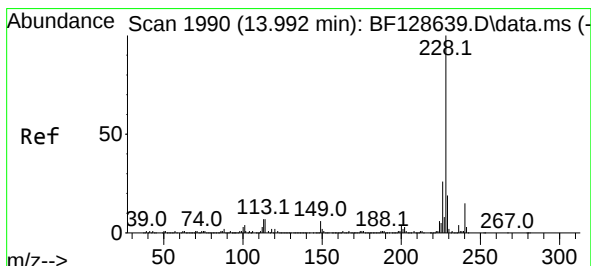
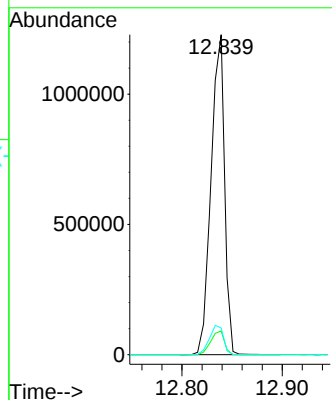
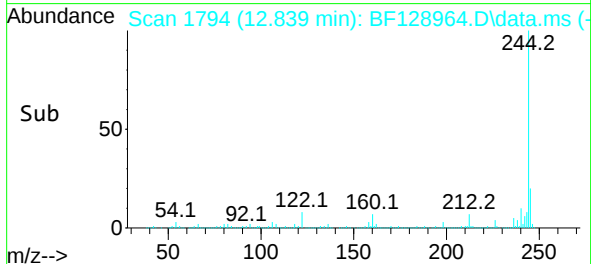
Instrument :
 BNA_F
 ClientSampleId :
 SB-5-0-2-20220621



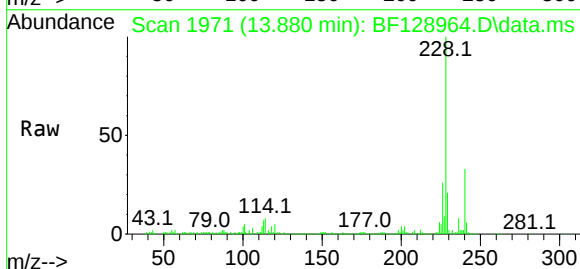
Tgt Ion:244 Resp: 1148409
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 8.4 8.8 13.2

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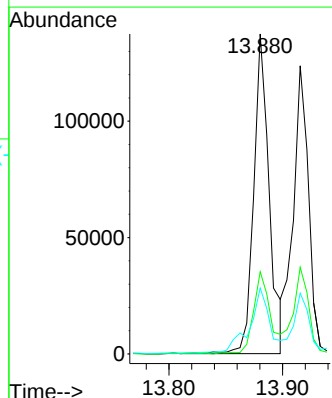
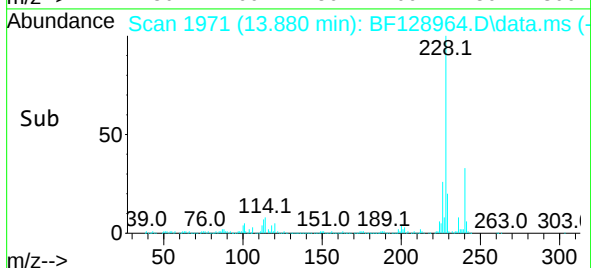
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

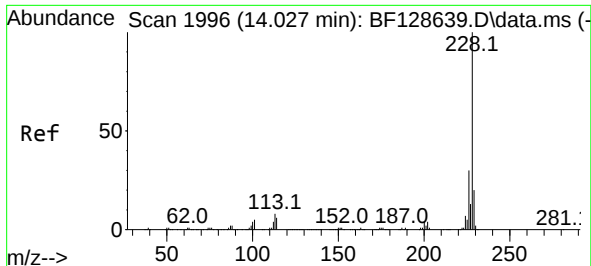


#81
 Benzo(a)anthracene
 Concen: 7.458 ng
 RT: 13.880 min Scan# 1971
 Delta R.T. -0.006 min
 Lab File: BF128964.D
 Acq: 23 Jun 2022 21:06



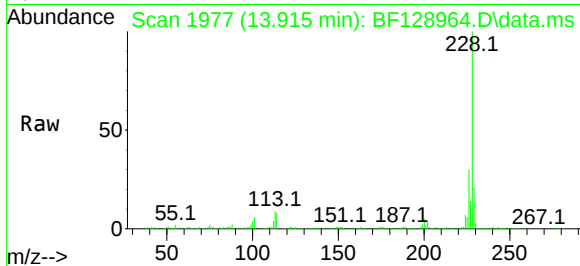
Tgt Ion:228 Resp: 130195
 Ion Ratio Lower Upper
 228 100
 226 25.7 22.1 33.1
 229 20.6 15.8 23.8





#83
Chrysene
Concen: 6.929 ng
RT: 13.915 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

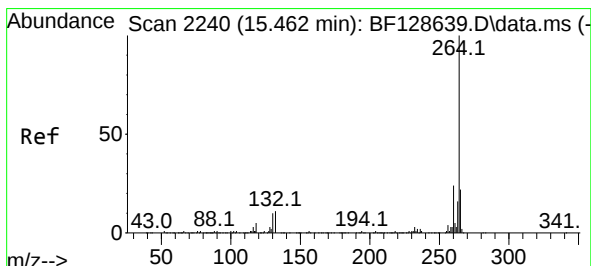
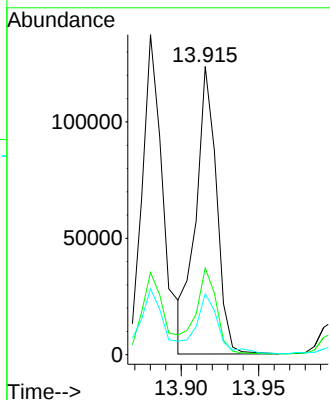
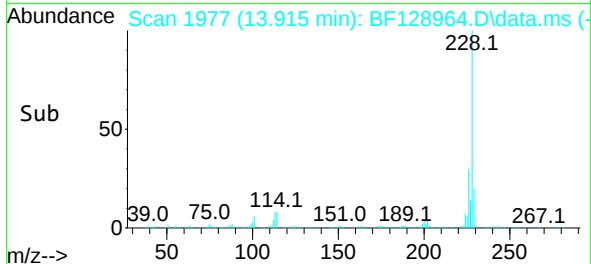
Instrument :
BNA_F
ClientSampleId :
SB-5-0-2-20220621



Tgt Ion:228 Resp: 11532
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.1 15.9 23.9

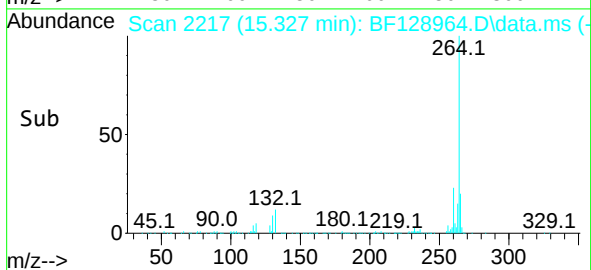
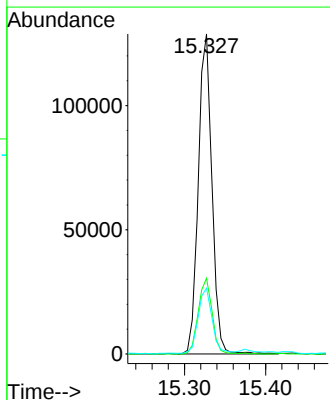
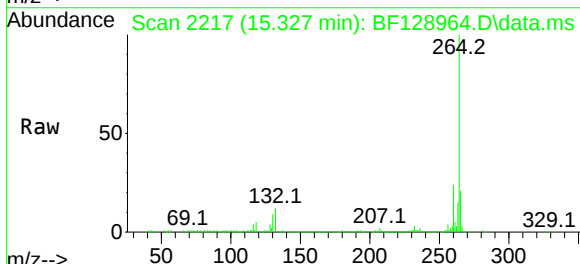
Manual Integrations
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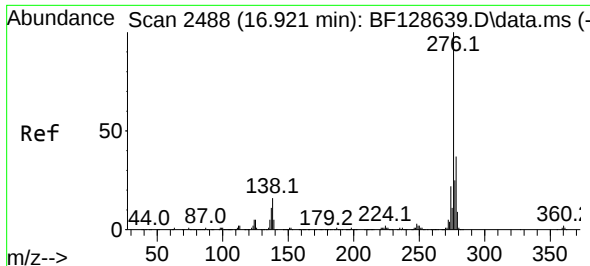
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.327 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

Tgt Ion:264 Resp: 150692
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 20.6 17.2 25.8





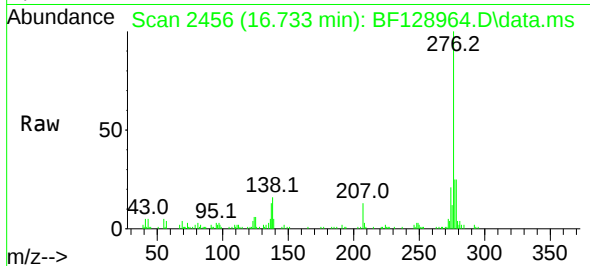
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.328 ng
RT: 16.733 min Scan# 2456
Delta R.T. -0.012 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SB-5-0-2-20220621

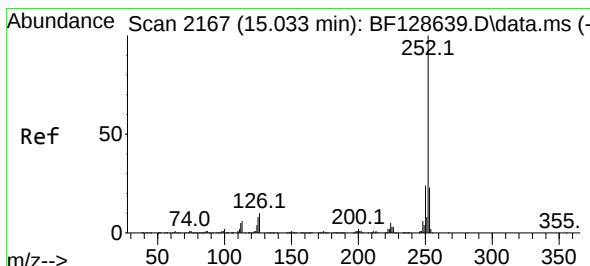
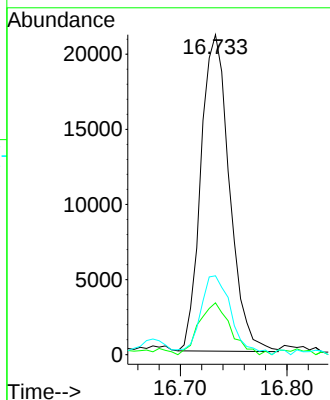
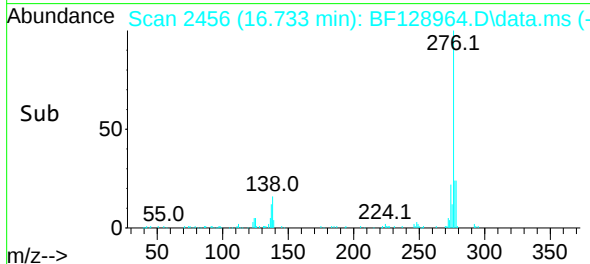


Tgt Ion: 276 Resp: 39308
Ion Ratio Lower Upper
276 100
138 17.7 21.1 31.7
277 26.6 20.3 30.5

Manual Integrations

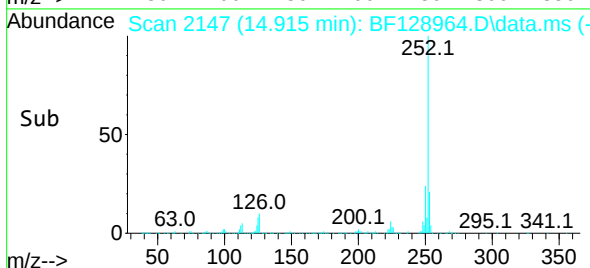
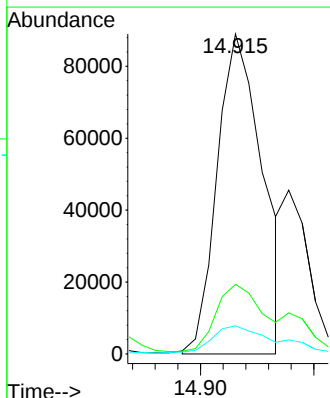
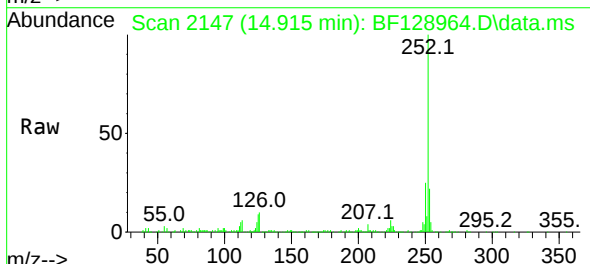
APPROVED

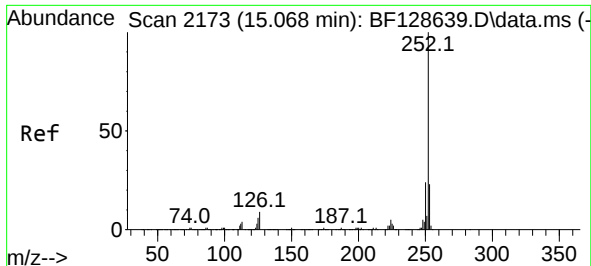
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022



#88
Benzo(b)fluoranthene
Concen: 12.819 ng m
RT: 14.915 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BF128964.D
Acq: 23 Jun 2022 21:06

Tgt Ion: 252 Resp: 123437
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 8.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 3.988 ng m

RT: 14.939 min Scan# 2173

Delta R.T. -0.012 min

Lab File: BF128964.D

Acq: 23 Jun 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SB-5-0-2-20220621

Tgt Ion:252 Resp: 36120

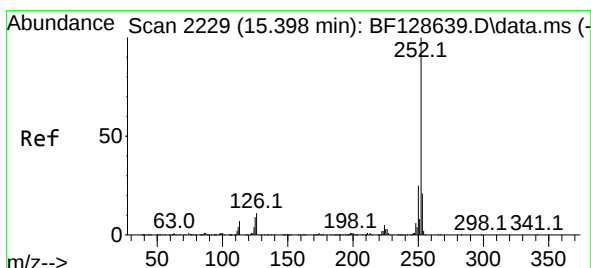
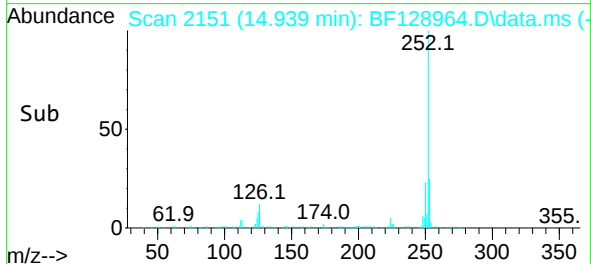
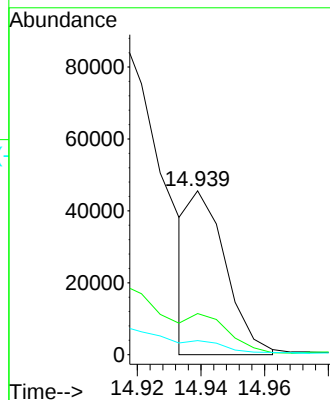
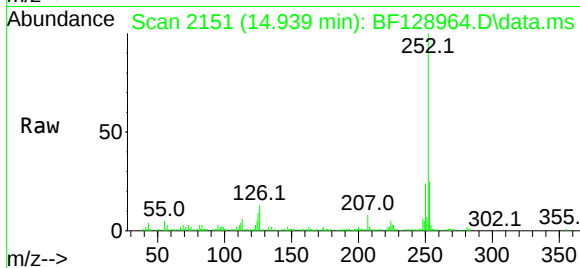
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	8.6	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#90

Benzo(a)pyrene

Concen: 8.278 ng m

RT: 15.268 min Scan# 2207

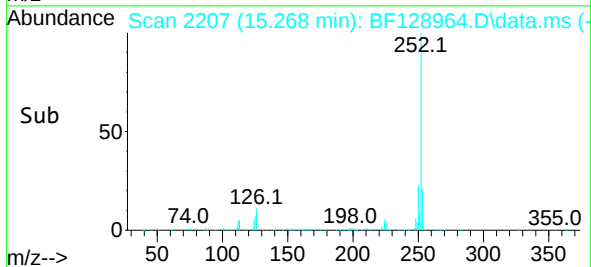
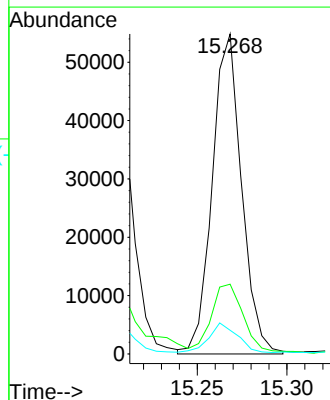
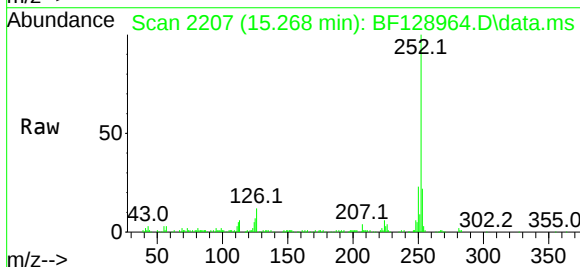
Delta R.T. -0.006 min

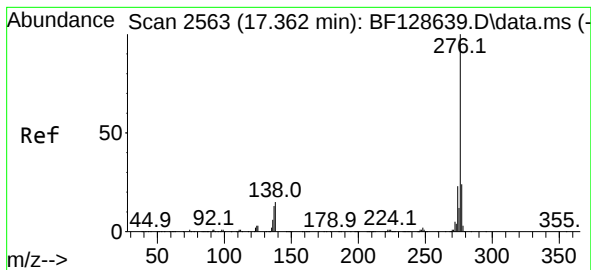
Lab File: BF128964.D

Acq: 23 Jun 2022 21:06

Tgt Ion:252 Resp: 62649

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	7.4	8.8	13.2





#92

Benzo(g,h,i)perylene

Concen: 5.180 ng m

RT: 17.156 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF128964.D

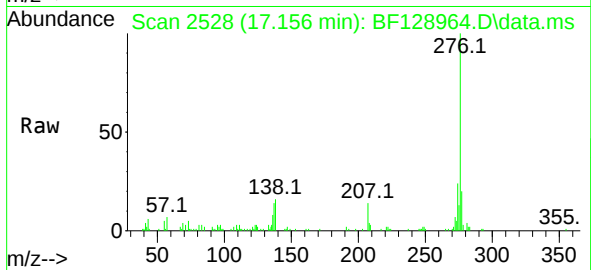
Acq: 23 Jun 2022 21:06

Instrument :

BNA_F

ClientSampleId :

SB-5-0-2-20220621



Tgt Ion:276 Resp: 38674

Ion Ratio Lower Upper

276 100

277 20.2 19.1 28.7

138 15.6 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022

