

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128013.D
 Acq On : 29 Apr 2022 23:54
 Operator : CG\JU
 Sample : N2610-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2022
 Supervised By : Jagrut Upadhyay 05/02/2022

Quant Time: May 02 00:59:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	103053	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	345092	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	172164	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	315915	20.000	ng	# 0.00
76) Chrysene-d12	14.121	240	186008	20.000	ng	0.00
86) Perylene-d12	15.639	264	139530	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	311180	48.096	ng	0.00
7) Phenol-d6	6.551	99	386472	46.035	ng	-0.01
23) Nitrobenzene-d5	7.486	82	249385	33.983	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	84099	48.525	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	409750	40.263	ng	0.00
79) Terphenyl-d14	13.057	244	427122	41.988	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.833	152	78262	5.270	ng	98
52) Acenaphthene	10.004	154	23173	2.321	ng	99
58) Fluorene	10.522	166	38895	3.619	ng	97
71) Phenanthrene	11.492	178	681468	41.209	ng	99
72) Anthracene	11.539	178	192258	11.671	ng	99
73) Carbazole	11.698	167	40884	2.575	ng	99
75) Fluoranthene	12.692	202	1182001	67.914	ng	99
78) Pyrene	12.927	202	1247421	83.076	ng	99
81) Benzo(a)anthracene	14.110	228	580384	46.813	ng	94
83) Chrysene	14.145	228	477785	40.352	ng	97
84) Bis(2-ethylhexyl)phtha...	14.080	149	17463	2.237	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.186	276	224984m	24.157	ng	
88) Benzo(b)fluoranthene	15.192	252	557984m	63.670	ng	
89) Benzo(k)fluoranthene	15.215	252	134220m	15.202	ng	
90) Benzo(a)pyrene	15.574	252	391288	53.827	ng	98
91) Dibenzo(a,h)anthracene	17.192	278	54777	7.334	ng	# 88
92) Benzo(g,h,i)perylene	17.662	276	224805	28.559	ng	96

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

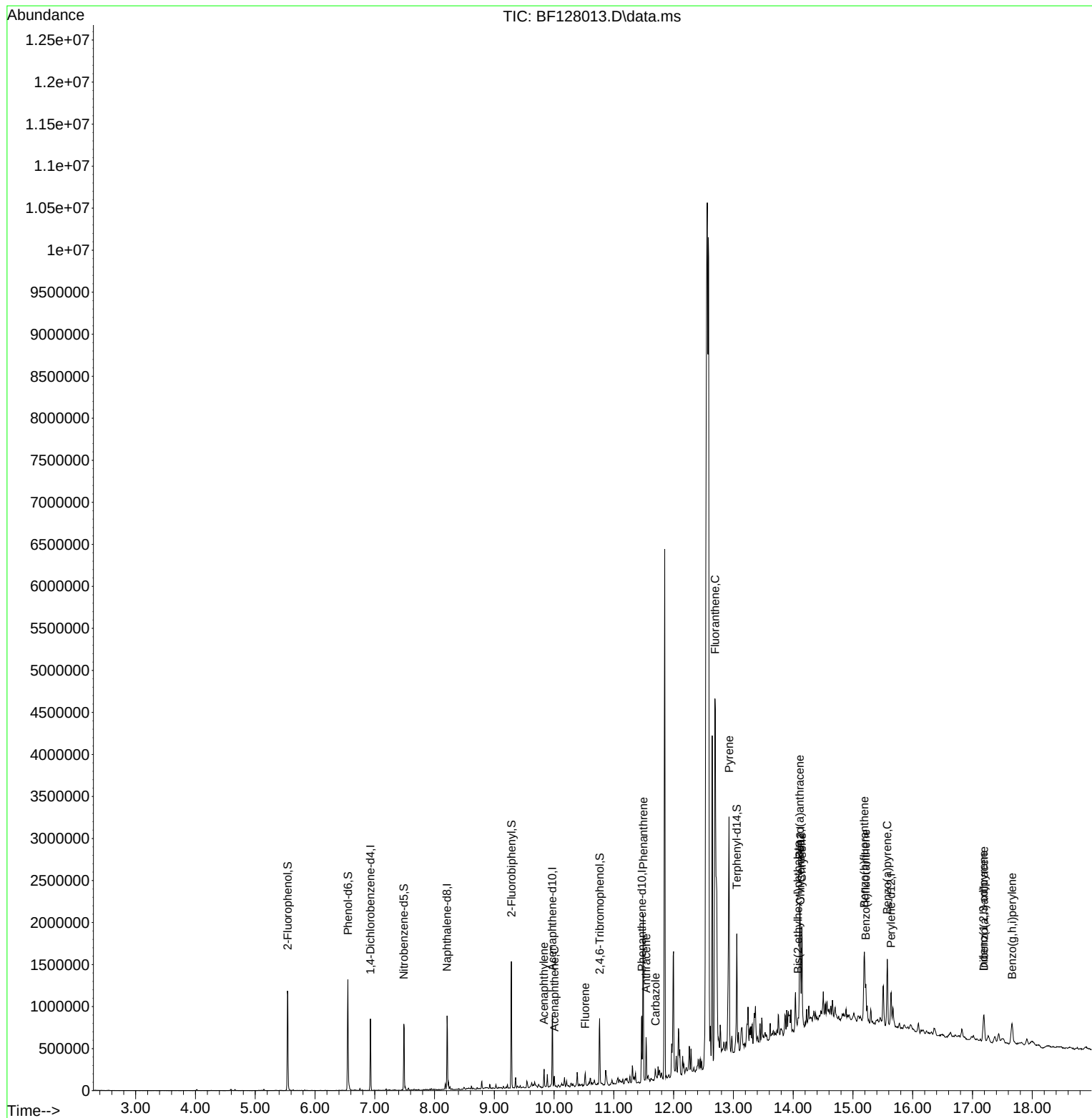
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
Data File : BF128013.D
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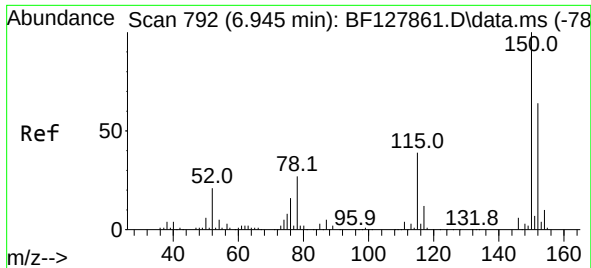
Instrument :
BNA_F
ClientSampleId :
HR-03-042822

Quant Time: May 02 00:59:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 28 05:13:03 2022
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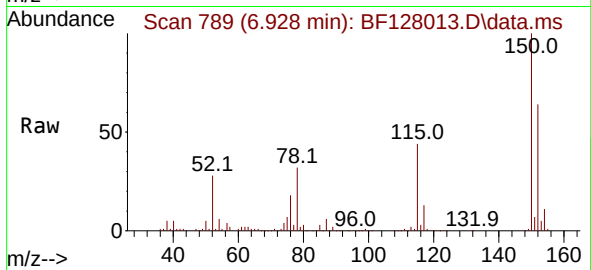
Reviewed By : Christian Giraldo 05/02/2022
Supervised By : Jagrut Upadhyay 05/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

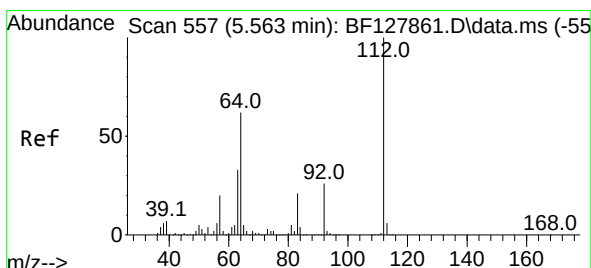
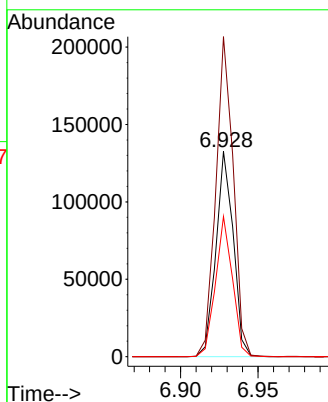
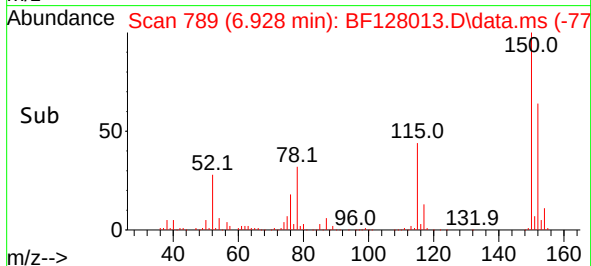
Instrument :
BNA_F
ClientSampleId :
HR-03-042822



Tgt Ion:152 Resp: 10305
Ion Ratio Lower Upper
152 100
150 155.9 125.3 187.9
115 68.3 48.8 73.2

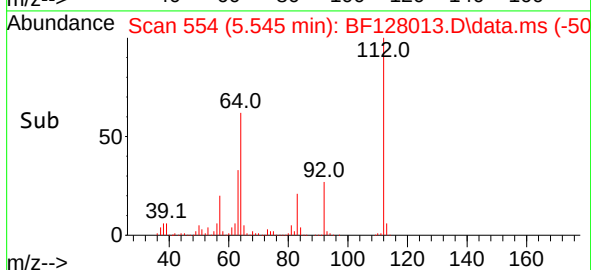
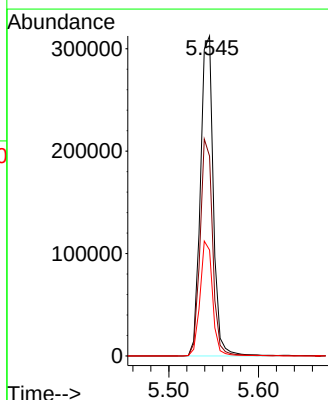
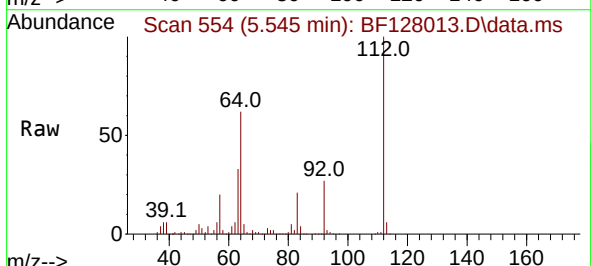
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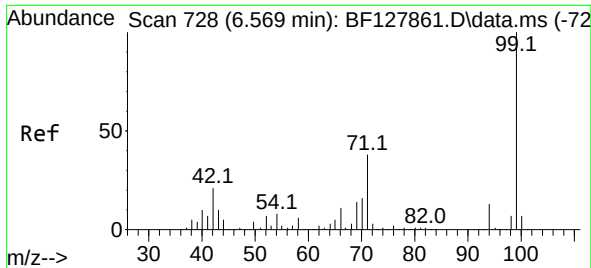
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#5
2-Fluorophenol
Concen: 48.096 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

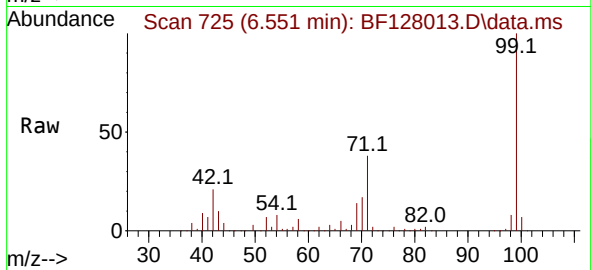
Tgt Ion:112 Resp: 311180
Ion Ratio Lower Upper
112 100
64 62.5 49.5 74.3
63 33.1 26.3 39.5





#7
Phenol-d6
Concen: 46.035 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

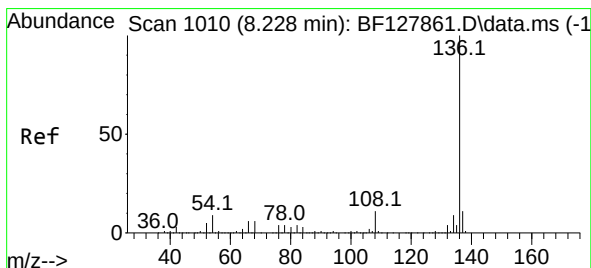
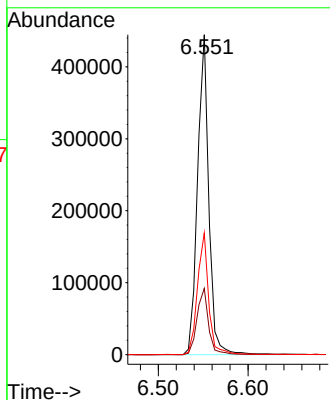
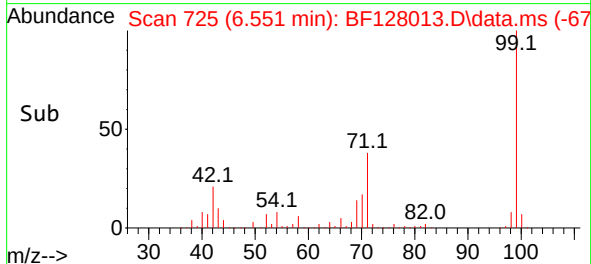
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 386472
Ion Ratio Lower Upper
99 100
42 20.7 16.6 24.8
71 38.1 30.0 45.0

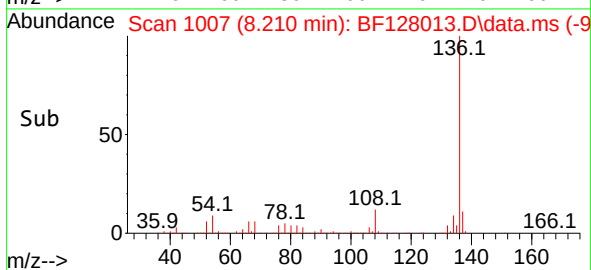
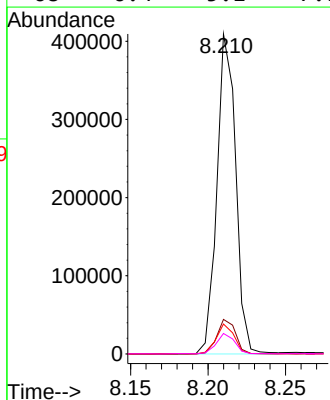
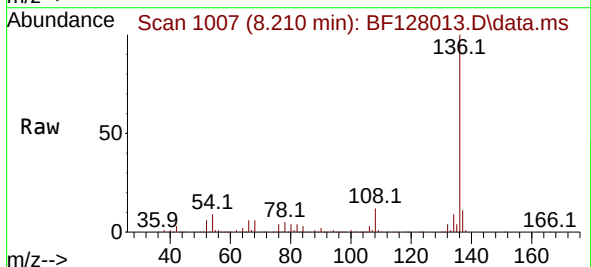
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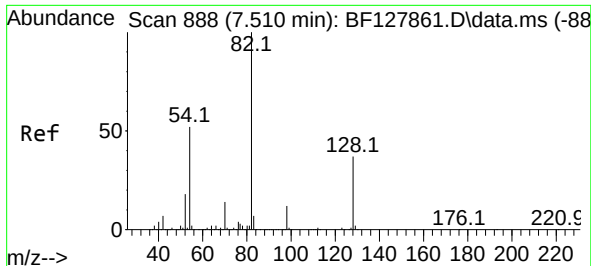
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Tgt Ion:136 Resp: 345092
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 6.8 10.2
68 6.4 5.1 7.7





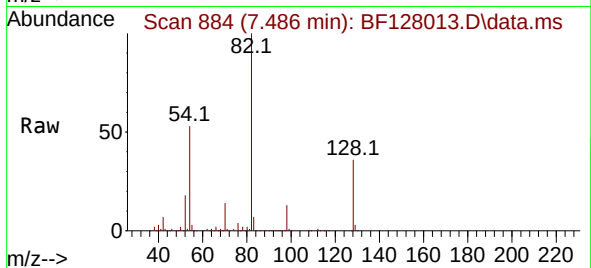
#23
Nitrobenzene-d5
Concen: 33.983 ng
RT: 7.486 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

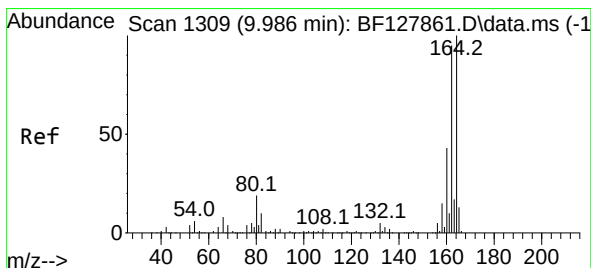
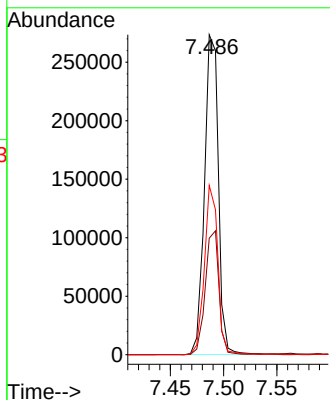
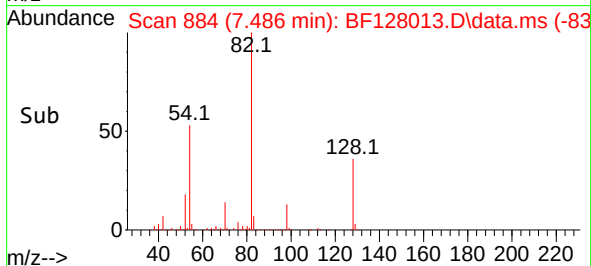
HR-03-042822



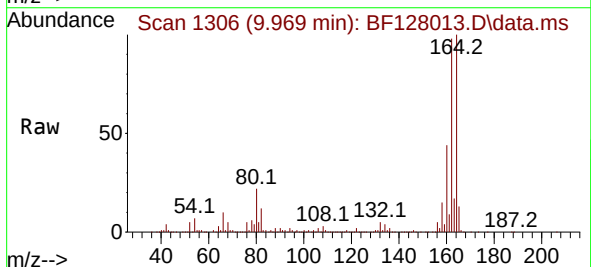
Tgt Ion: 82 Resp: 24938
Ion Ratio Lower Upper
82 100
128 36.4 30.0 45.0
54 52.9 41.3 61.9

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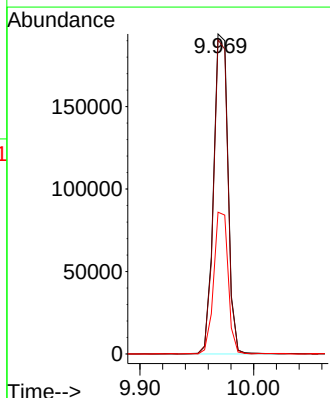
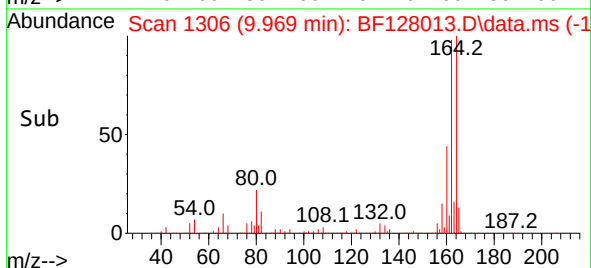
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022

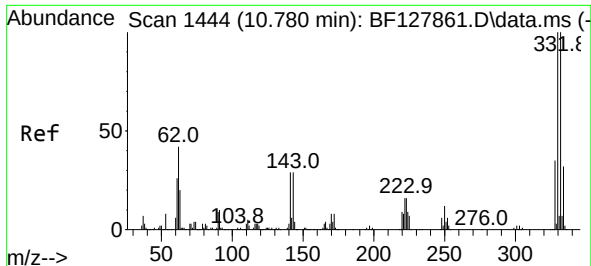


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54



Tgt Ion:164 Resp: 172164
Ion Ratio Lower Upper
164 100
162 98.2 76.0 114.0
160 44.3 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 48.525 ng
RT: 10.763 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

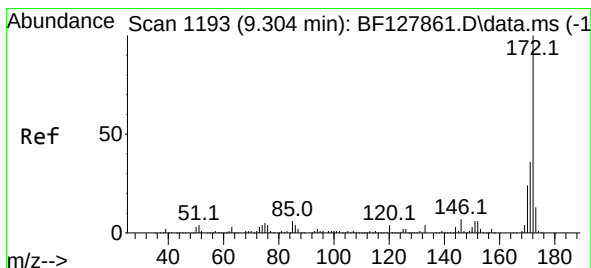
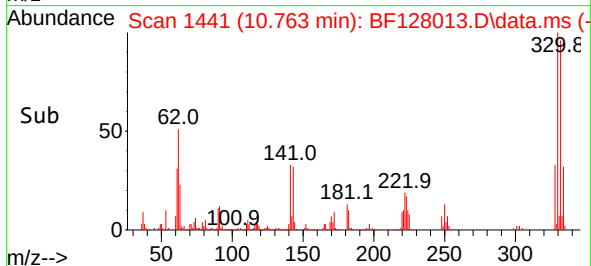
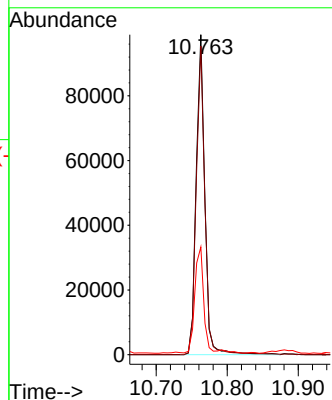
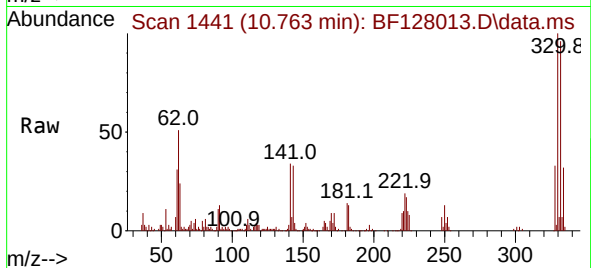
HR-03-042822

Tgt Ion:330 Resp: 84099
Ion Ratio Lower Upper
330 100
332 96.5 79.0 118.4
141 34.4 28.9 43.3

Manual Integrations

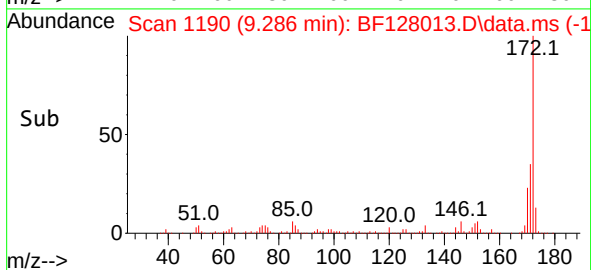
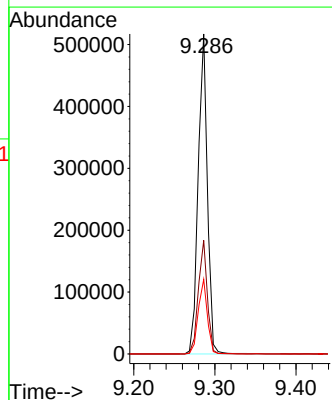
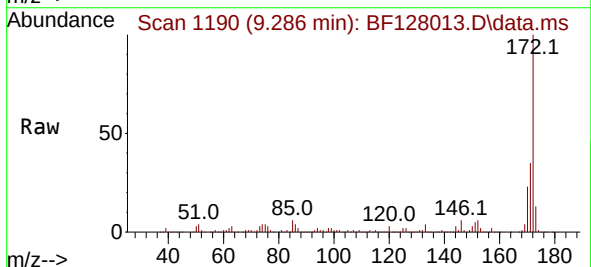
APPROVED

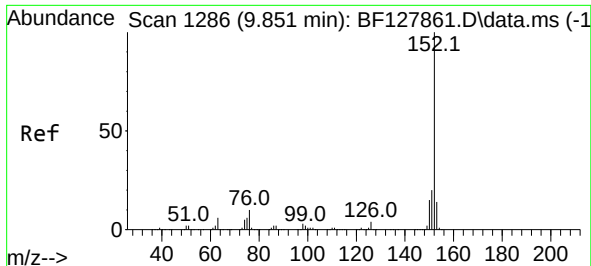
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#45
2-Fluorobiphenyl
Concen: 40.263 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Tgt Ion:172 Resp: 409750
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.3 19.1 28.7





#49

Acenaphthylene

Concen: 5.270 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

HR-03-042822

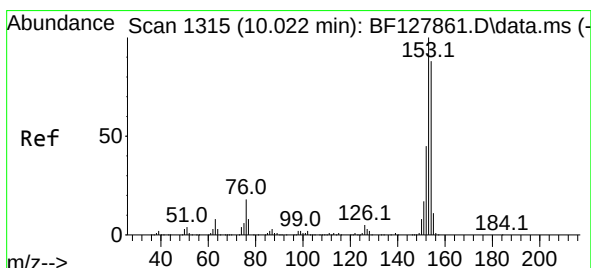
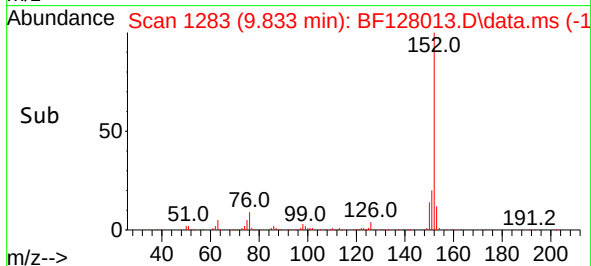
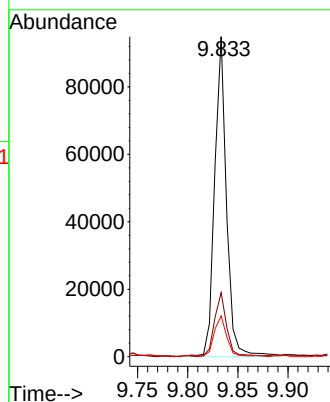
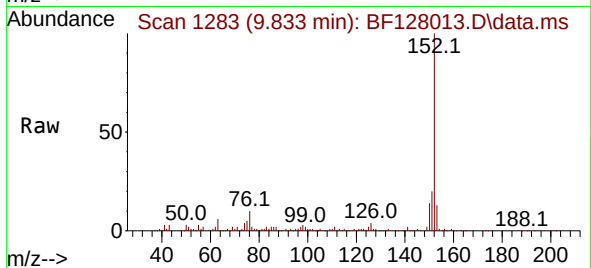
Tgt Ion:152	Resp:	7826
Ion Ratio	Lower	Upper
152	100	
151	20.0	16.2 24.2
153	12.8	11.2 16.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2022

Supervised By :Jagrut Upadhyay 05/02/2022



#52

Acenaphthene

Concen: 2.321 ng

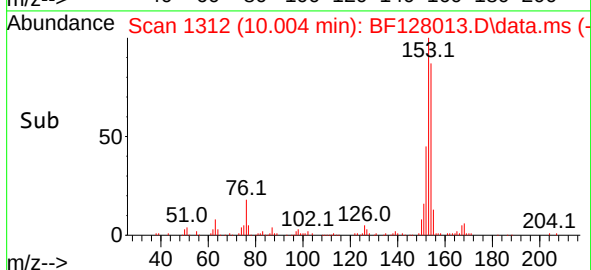
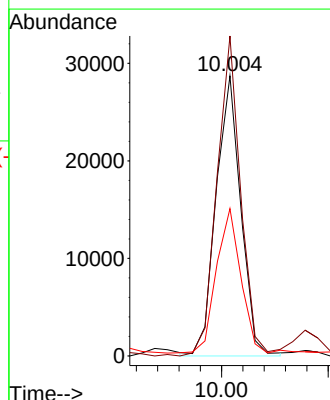
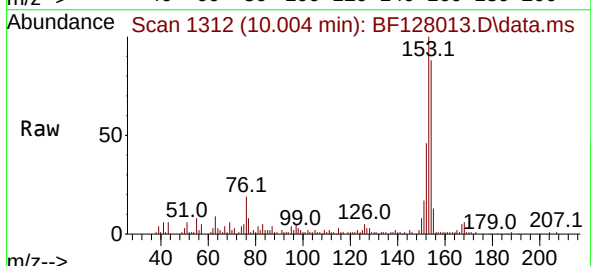
RT: 10.004 min Scan# 1312

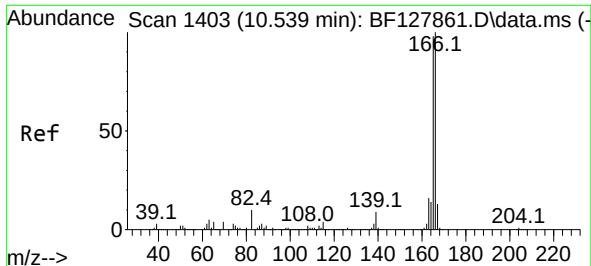
Delta R.T. -0.006 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

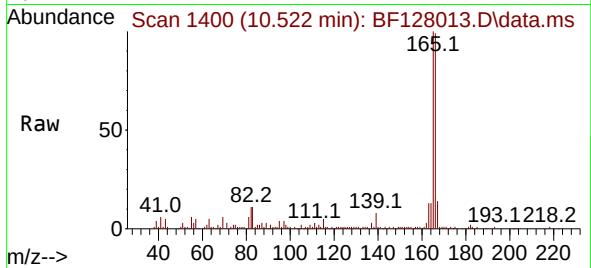
Tgt Ion:154	Resp:	23173
Ion Ratio	Lower	Upper
154	100	
153	114.2	90.5 135.7
152	52.6	41.0 61.6





#58
Fluorene
Concen: 3.619 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

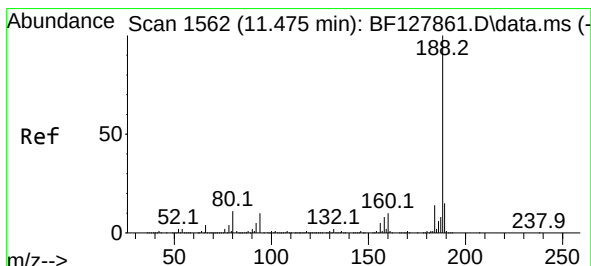
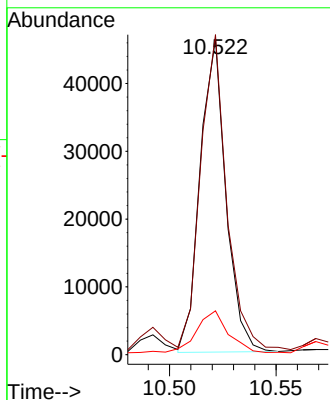
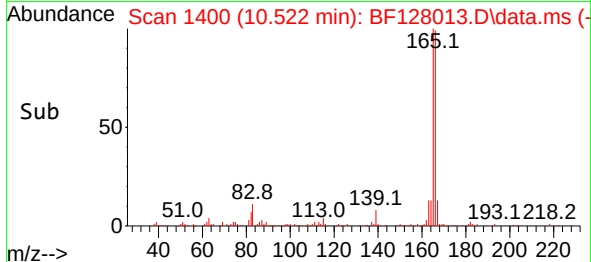
Instrument :
BNA_F
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HR-03-042822



Tgt Ion:166 Resp: 3889
Ion Ratio Lower Upper
166 100
165 101.4 78.6 117.8
167 13.9 10.5 15.7

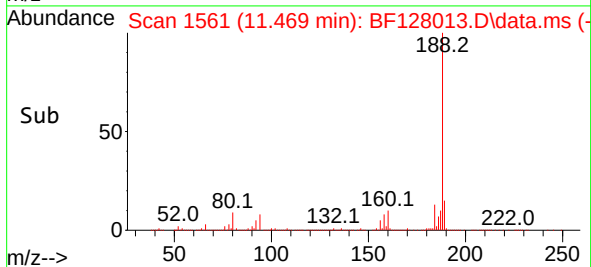
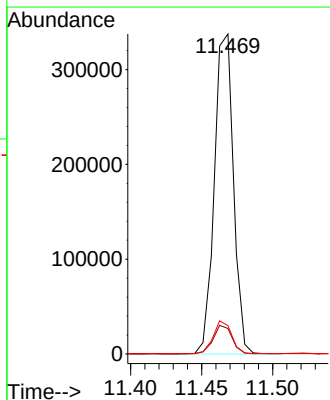
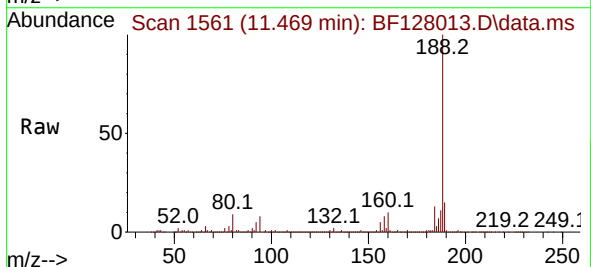
Manual Integrations
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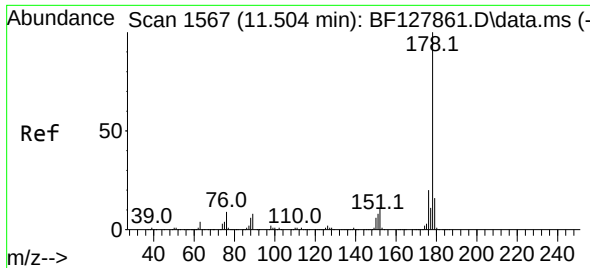
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

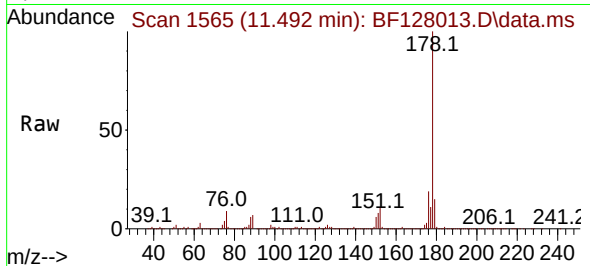
Tgt Ion:188 Resp: 315915
Ion Ratio Lower Upper
188 100
94 8.0 8.0 12.0#
80 8.9 8.9 13.3#





#71
Phenanthrene
Concen: 41.209 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

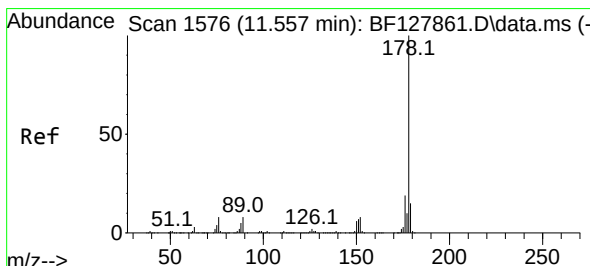
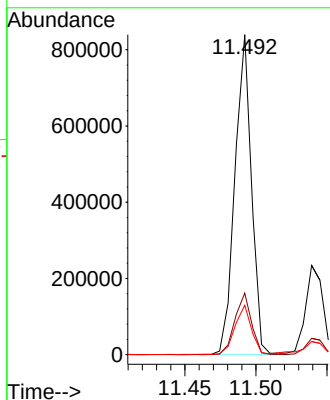
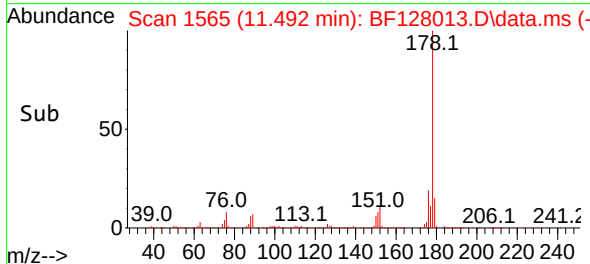
Instrument :
BNA_F
ClientSampleId :
HR-03-042822



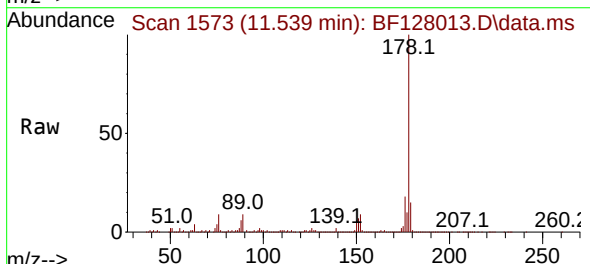
Tgt Ion:178 Resp: 681468
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.6 19.0

Manual Integrations
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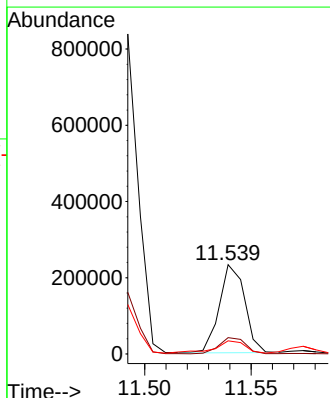
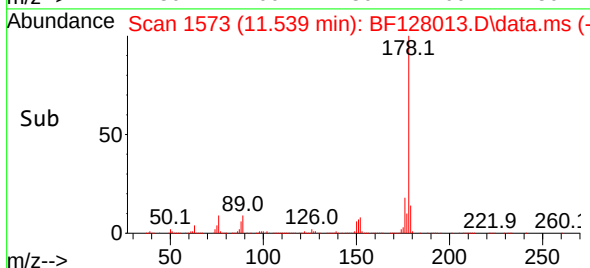
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022

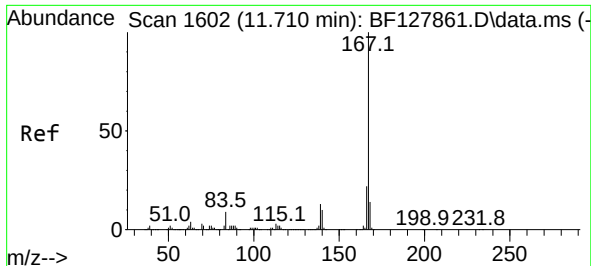


#72
Anthracene
Concen: 11.671 ng
RT: 11.539 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54



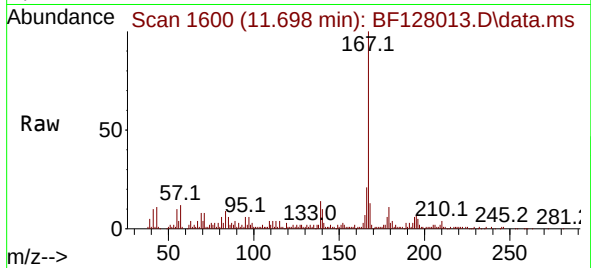
Tgt Ion:178 Resp: 192258
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 14.8 12.4 18.6





#73
 Carbazole
 Concen: 2.575 ng
 RT: 11.698 min Scan# 1600
 Delta R.T. -0.000 min
 Lab File: BF128013.D
 Acq: 29 Apr 2022 23:54

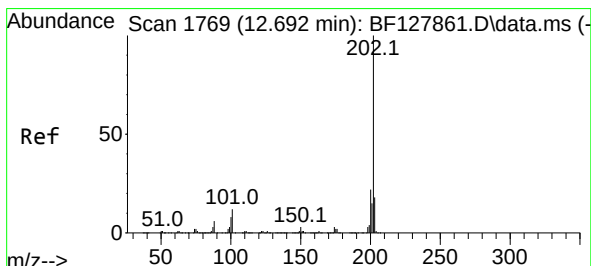
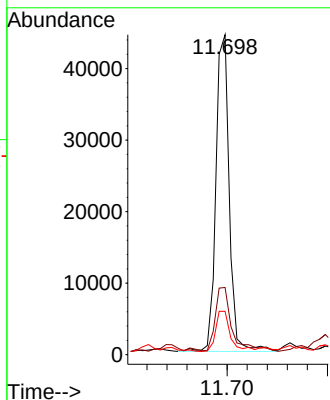
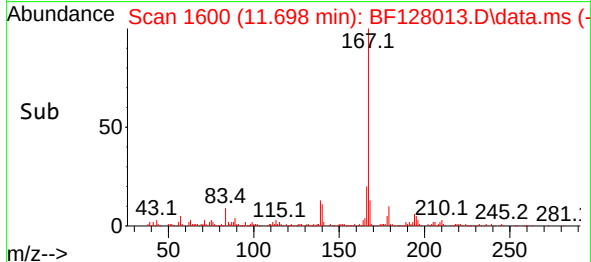
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042822



Tgt Ion:167 Resp: 40884
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 13.6 10.7 16.1

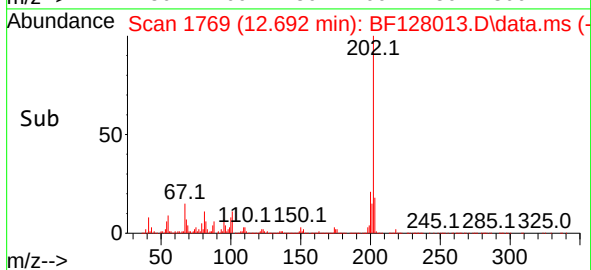
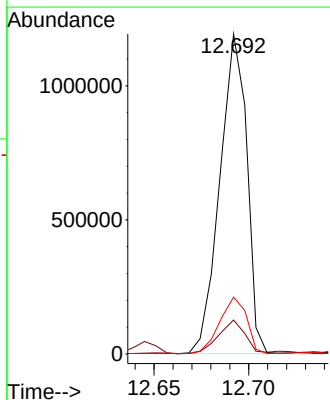
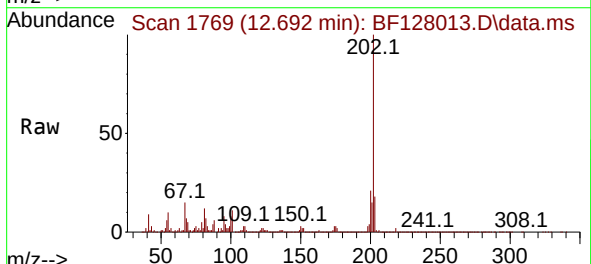
Manual Integrations
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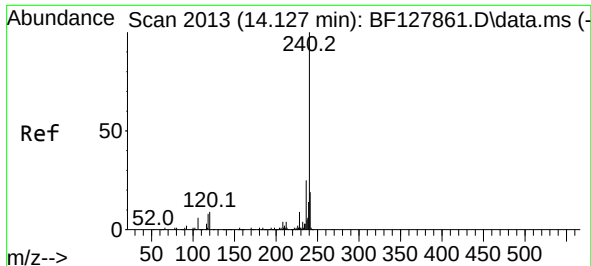
Reviewed By :Christian Giraldo 05/02/2022
 Supervised By :Jagrut Upadhyay 05/02/2022



#75
 Fluoranthene
 Concen: 67.914 ng
 RT: 12.692 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: BF128013.D
 Acq: 29 Apr 2022 23:54

Tgt Ion:202 Resp: 1182001
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.6
 203 17.7 0.0 38.1





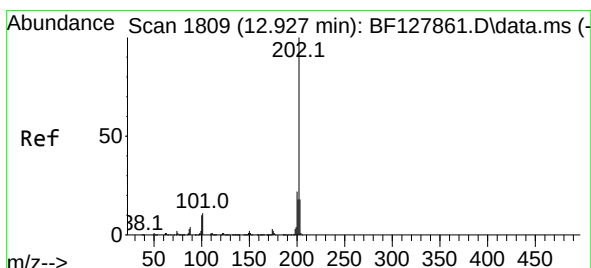
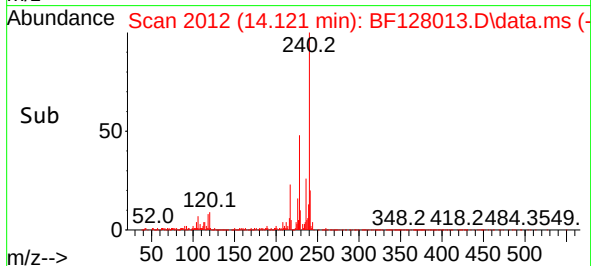
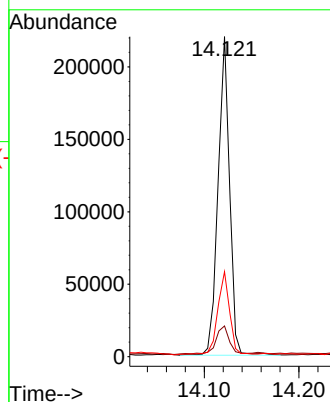
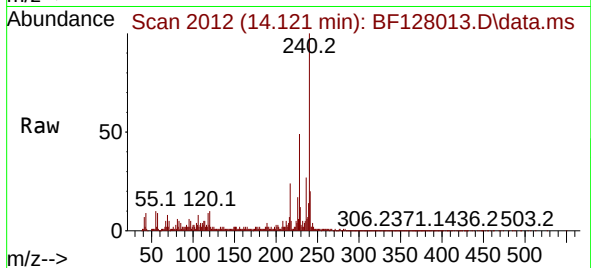
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Instrument :
BNA_F
ClientSampleId :
HR-03-042822

Tgt Ion:240 Resp: 186000
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 26.6 20.3 30.5

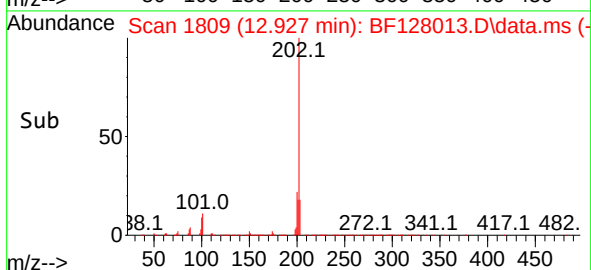
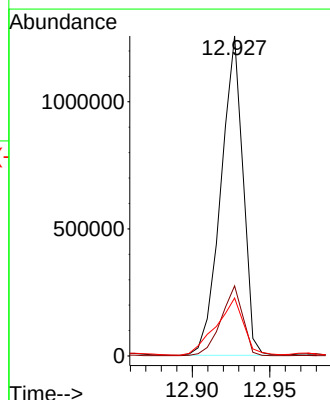
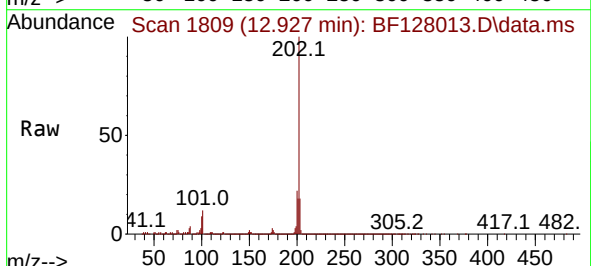
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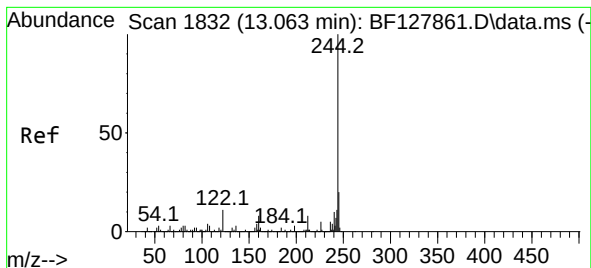
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#78
Pyrene
Concen: 83.076 ng
RT: 12.927 min Scan# 1809
Delta R.T. 0.012 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Tgt Ion:202 Resp: 1247421
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.1 14.0 21.0





#79

Terphenyl-d14

Concen: 41.988 ng

RT: 13.057 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BF128013.D

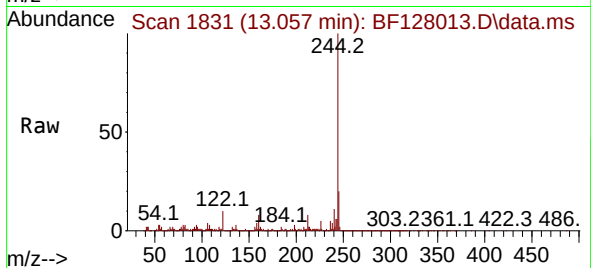
Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

HR-03-042822



Tgt Ion:244 Resp: 42712

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

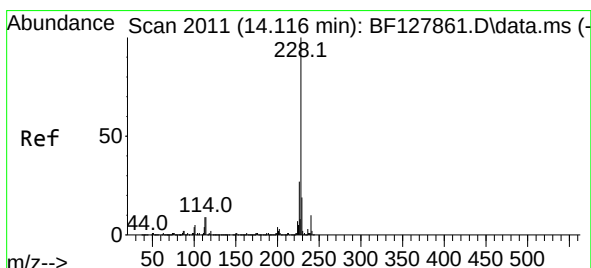
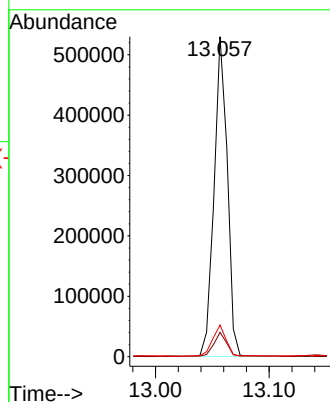
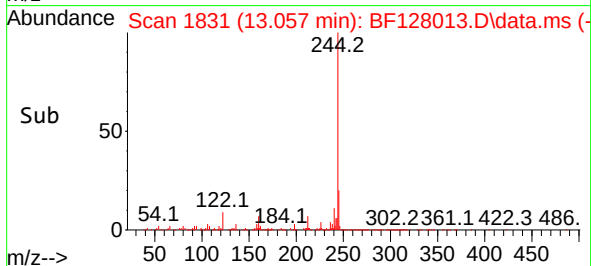
122 9.9 8.6 12.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2022

Supervised By :Jagrut Upadhyay 05/02/2022



#81

Benzo(a)anthracene

Concen: 46.813 ng

RT: 14.110 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

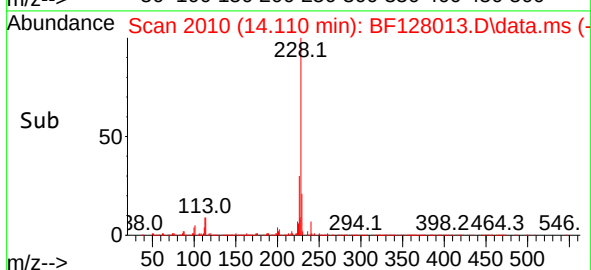
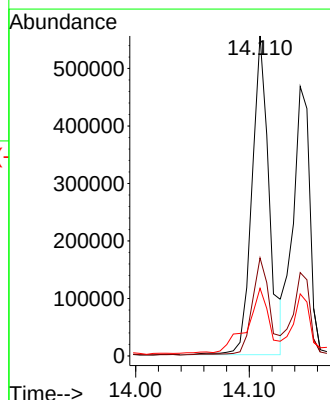
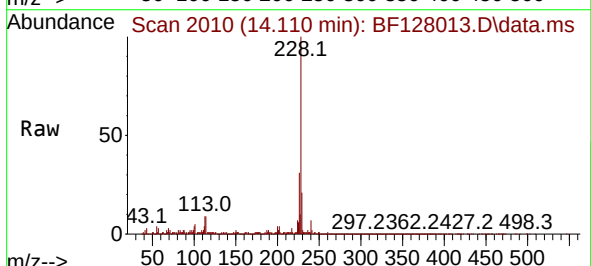
Tgt Ion:228 Resp: 580384

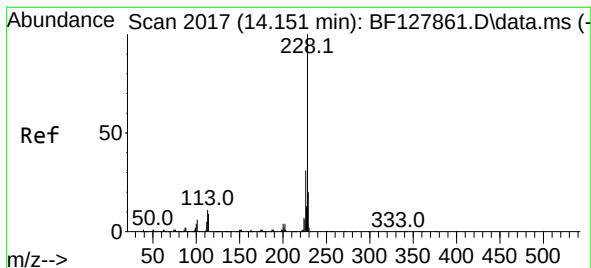
Ion Ratio Lower Upper

228 100

226 30.6 21.7 32.5

229 21.1 15.4 23.2





#83

Chrysene

Concen: 40.352 ng

RT: 14.145 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

HR-03-042822

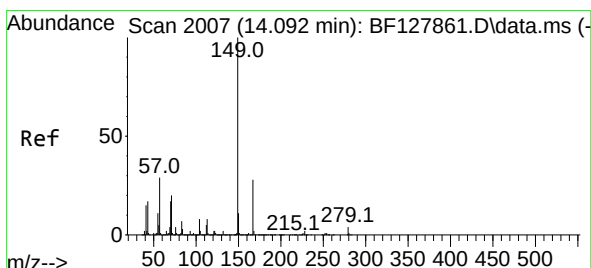
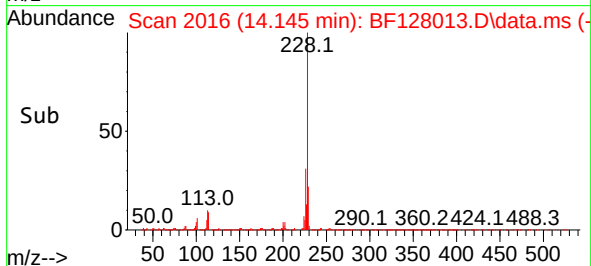
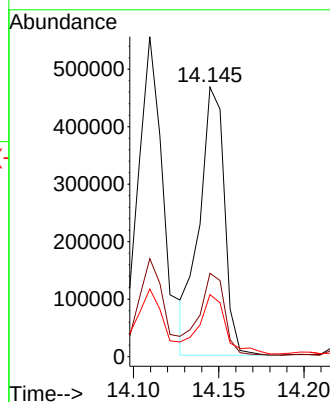
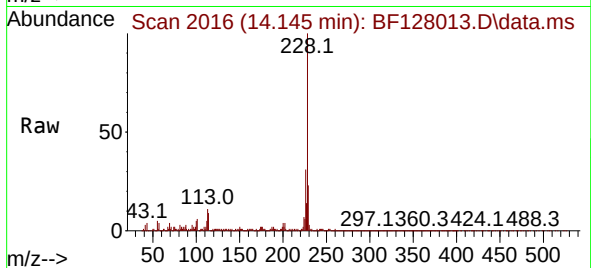
Tgt Ion:228 Resp: 477785
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.4 36.6
 229 23.0 15.8 23.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.237 ng

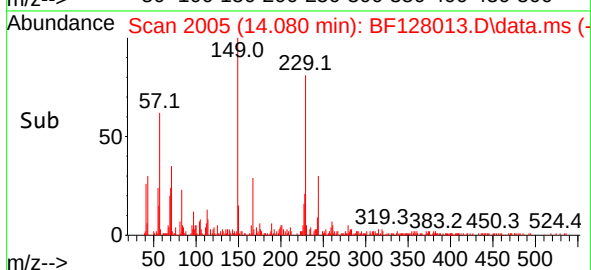
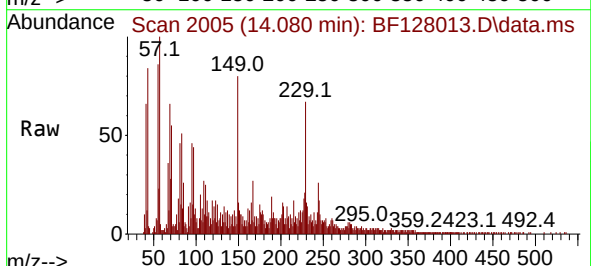
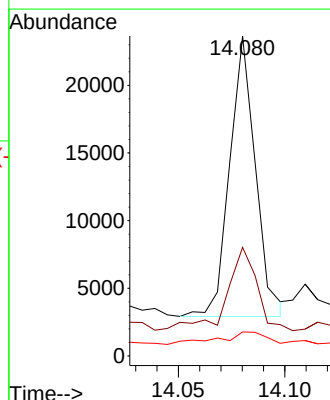
RT: 14.080 min Scan# 2005

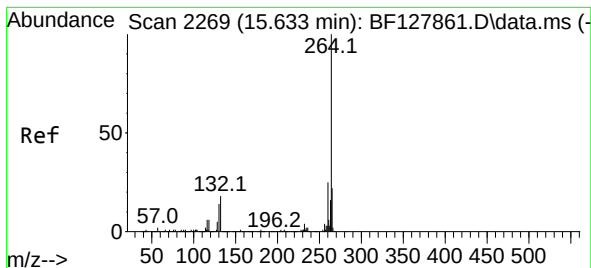
Delta R.T. -0.000 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

Tgt Ion:149 Resp: 17463
 Ion Ratio Lower Upper
 149 100
 167 33.9 22.0 33.0#
 279 7.5 3.4 5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

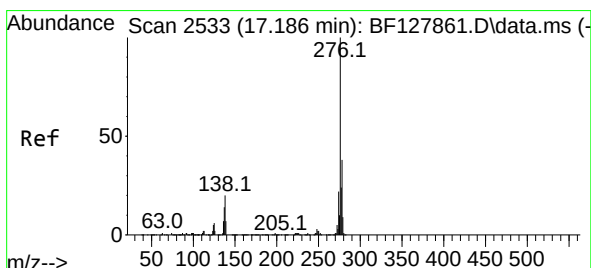
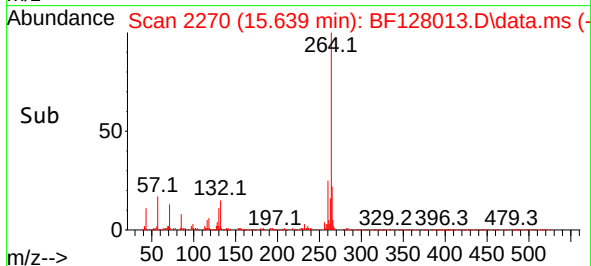
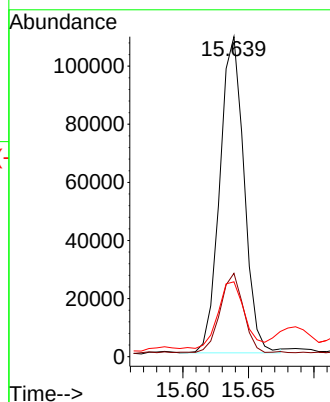
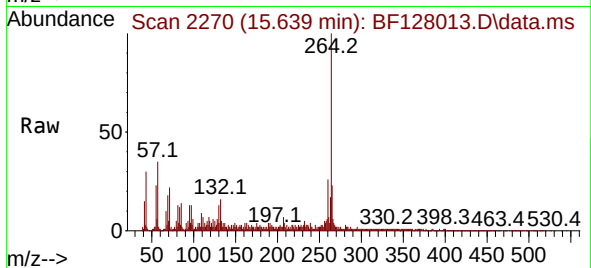
HR-03-042822

Tgt Ion:264 Resp: 139530
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.1 30.1
 265 23.4 17.5 26.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2022
 Supervised By :Jagrut Upadhyay 05/02/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.157 ng m

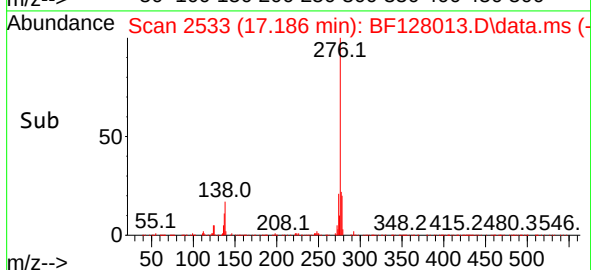
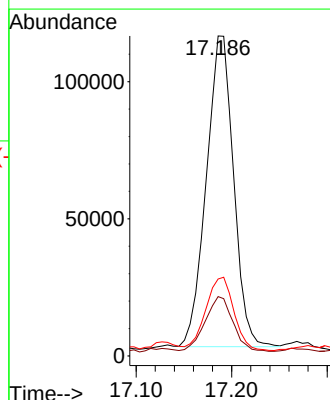
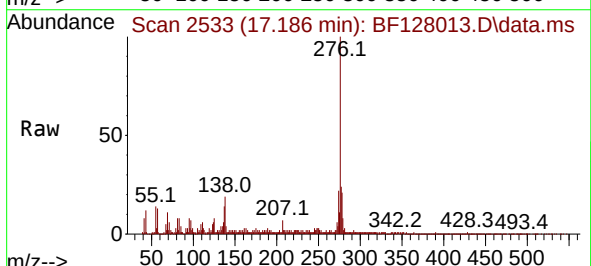
RT: 17.186 min Scan# 2533

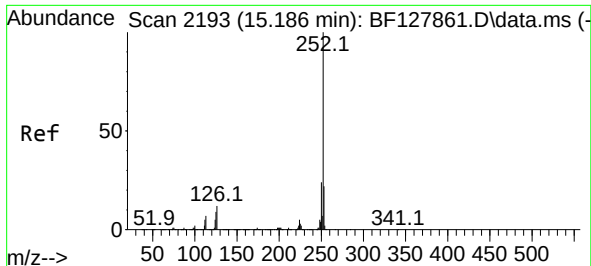
Delta R.T. 0.018 min

Lab File: BF128013.D

Acq: 29 Apr 2022 23:54

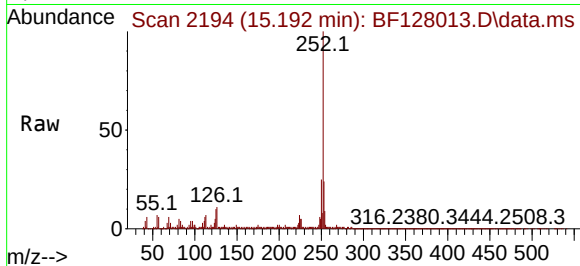
Tgt Ion:276 Resp: 224984
 Ion Ratio Lower Upper
 276 100
 138 4.0 19.0 28.4#
 277 5.3 20.1 30.1#





#88
Benzo(b)fluoranthene
Concen: 63.670 ng m
RT: 15.192 min Scan# 2194
Delta R.T. 0.018 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

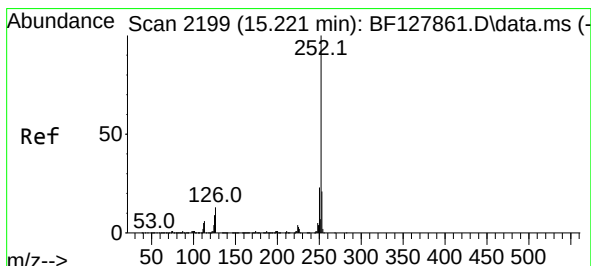
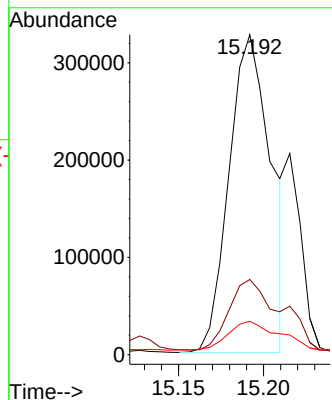
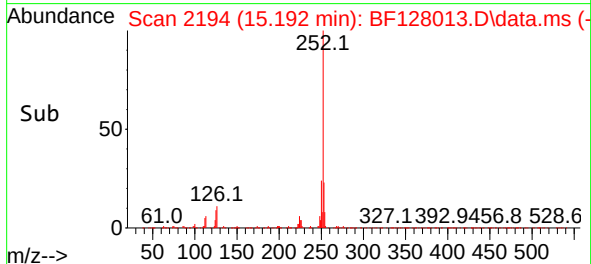
Instrument :
BNA_F
ClientSampleId :
HR-03-042822



Tgt Ion:252 Resp: 557984
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 10.5 7.4 11.2

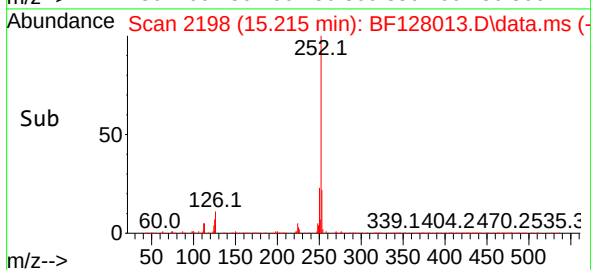
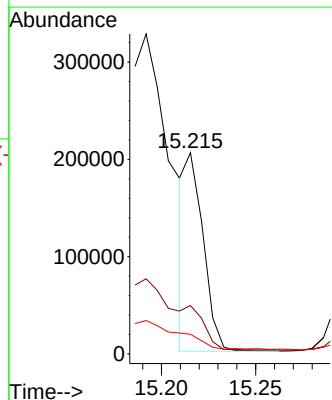
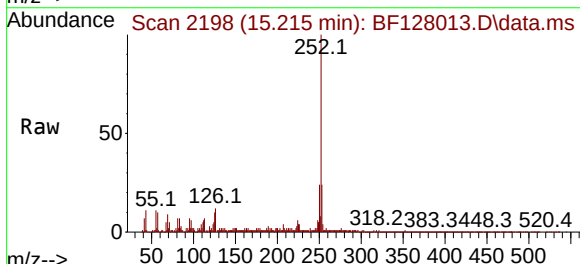
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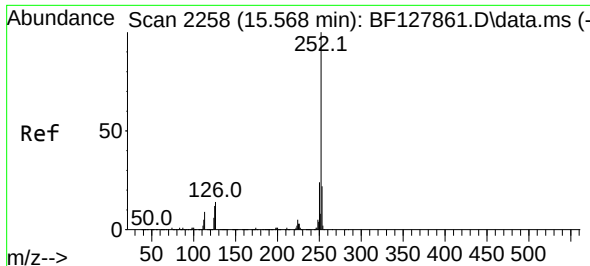
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#89
Benzo(k)fluoranthene
Concen: 15.202 ng m
RT: 15.215 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Tgt Ion:252 Resp: 134220
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 9.8 6.8 10.2





#90
Benzo(a)pyrene
Concen: 53.827 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Instrument :

BNA_F

ClientSampleId :

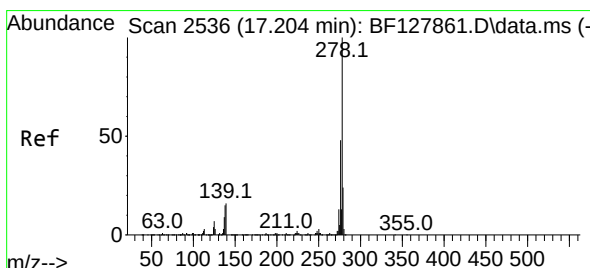
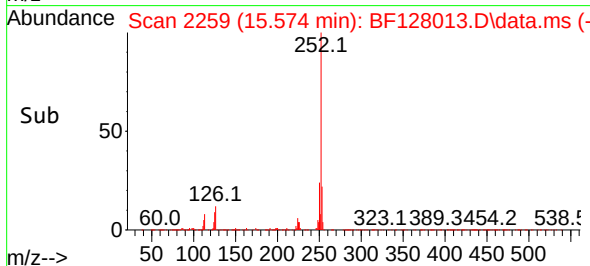
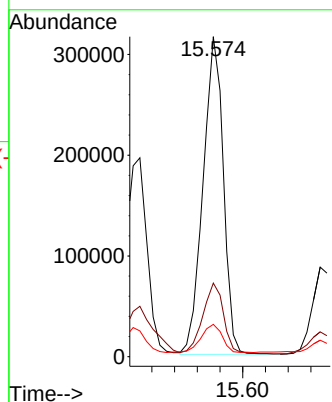
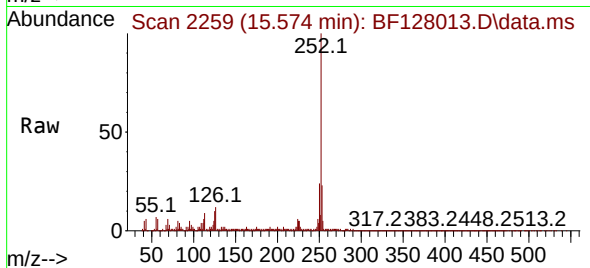
HR-03-042822

Tgt Ion:252 Resp: 39128
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 10.1 9.2 13.8

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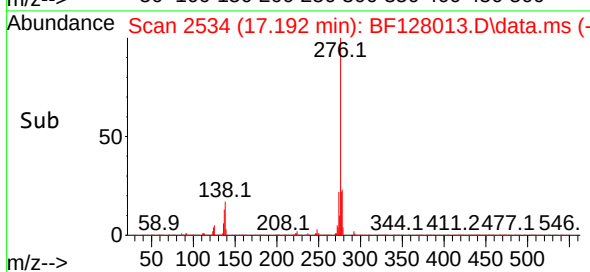
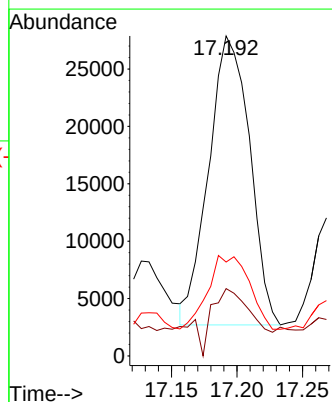
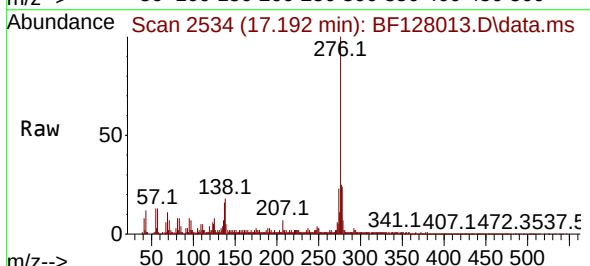
APPROVED

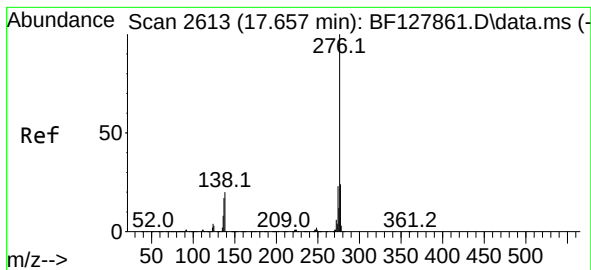
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 7.334 ng
RT: 17.192 min Scan# 2534
Delta R.T. 0.006 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

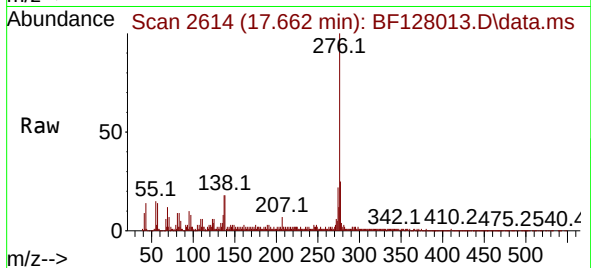
Tgt Ion:278 Resp: 54777
Ion Ratio Lower Upper
278 100
139 21.1 12.6 19.0#
279 29.4 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 28.559 ng
RT: 17.662 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF128013.D
Acq: 29 Apr 2022 23:54

Instrument :
BNA_F
ClientSampleId :
HR-03-042822



Tgt Ion:276 Resp: 22480
Ion Ratio Lower Upper
276 100
277 25.2 18.8 28.2
138 18.4 16.2 24.2

Manual Integrations
APPROVED

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Supervised By :Jagrut Upadhyay 05/02/2022

