

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129837.D
 Acq On : 17 Aug 2022 10:51
 Operator : CG\JU
 Sample : N4199-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/18/2022
 Supervised By : Jagrut Upadhyay 08/18/2022

Quant Time: Aug 17 13:33:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	137407	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	538575	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	254457	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	333586	20.000	ng	0.00
76) Chrysene-d12	14.004	240	263556	20.000	ng	0.00
86) Perylene-d12	15.480	264	242496	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	869586	104.782	ng	0.00
7) Phenol-d6	6.481	99	1084032	104.307	ng	0.00
23) Nitrobenzene-d5	7.392	82	706897	70.262	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	210862	82.566	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1285964	76.757	ng	0.00
79) Terphenyl-d14	12.939	244	913274	57.659	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.374	178	147976	7.943	ng	98
72) Anthracene	11.427	178	43675	2.357	ng	98
75) Fluoranthene	12.568	202	350667	18.394	ng	99
78) Pyrene	12.798	202	362075	15.809	ng	99
81) Benzo(a)anthracene	13.992	228	234277	12.922	ng	96
83) Chrysene	14.027	228	206028	12.140	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	89783	5.393	ng	96
88) Benzo(b)fluoranthene	15.051	252	308053m	18.552	ng	
89) Benzo(k)fluoranthene	15.074	252	85714m	5.383	ng	
90) Benzo(a)pyrene	15.421	252	206748	15.811	ng	98
92) Benzo(g,h,i)perylene	17.421	276	83000	6.057	ng	95

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

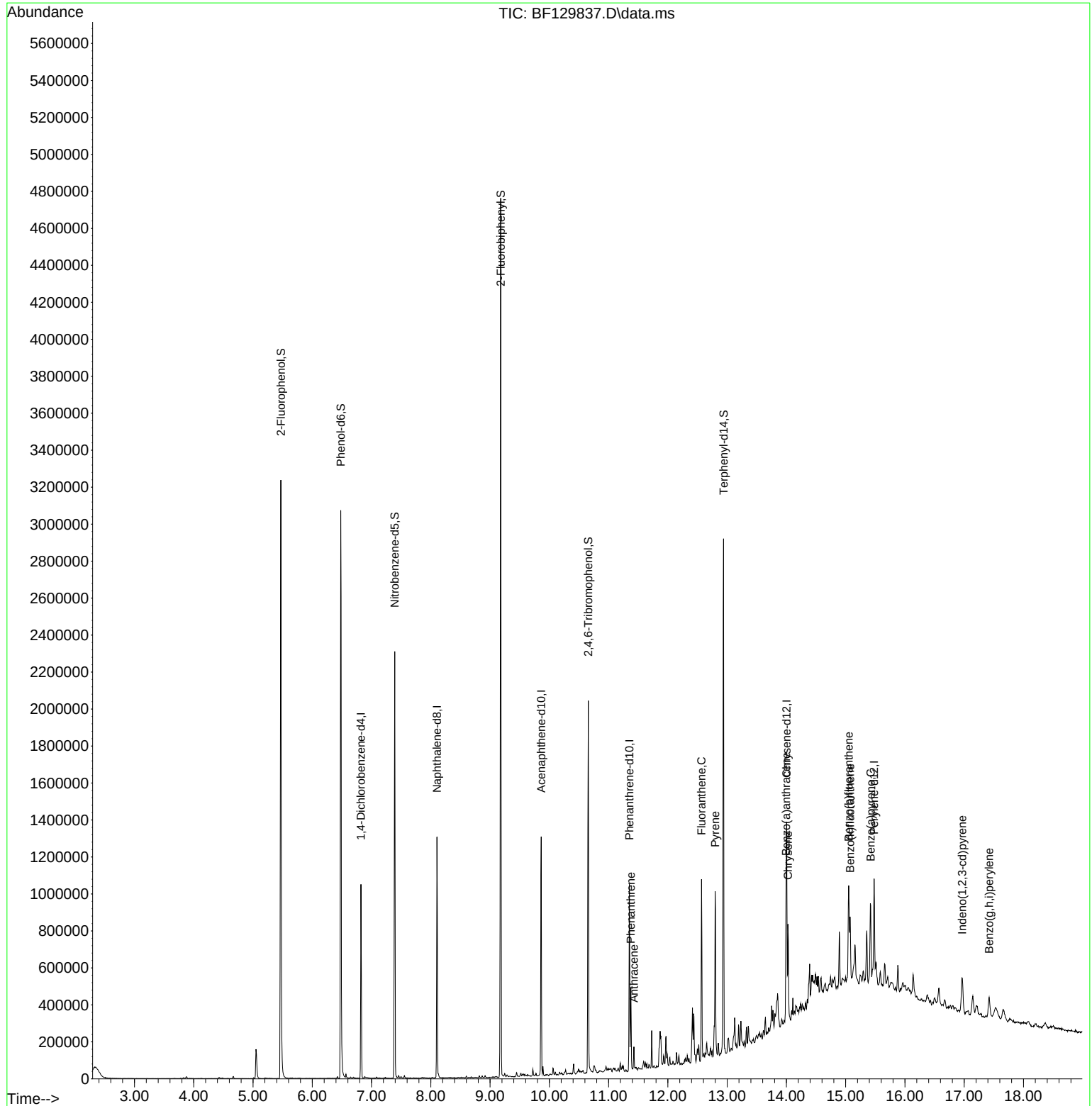
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
Data File : BF129837.D
Acq On : 17 Aug 2022 10:51
Operator : CG\JU
Sample : N4199-01
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ALS Vial : 4 Sample Multiplier: 1

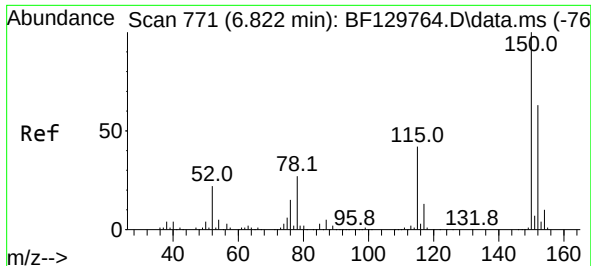
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Quant Time: Aug 17 13:33:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
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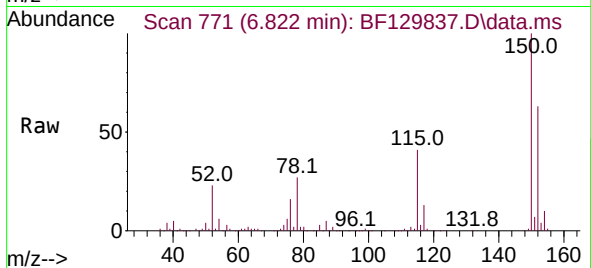
Reviewed By : Christian Giraldo 08/18/2022
Supervised By : Jagrut Upadhyay 08/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

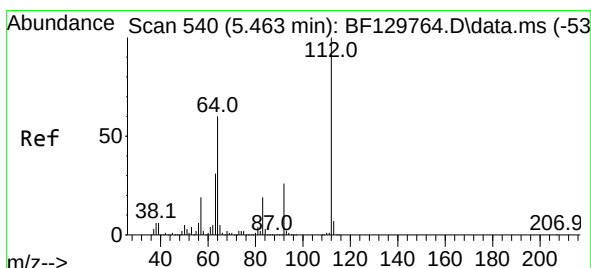
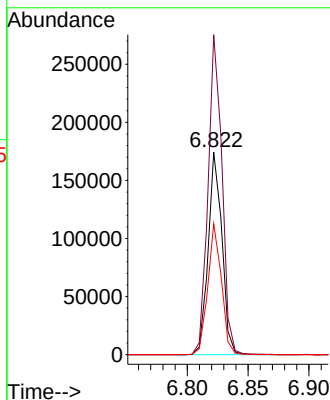
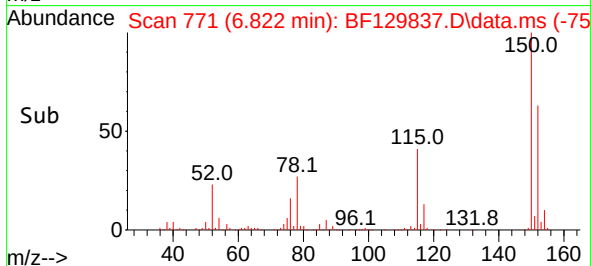
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BNA_F
ClientSampleId :
HD-02-081222



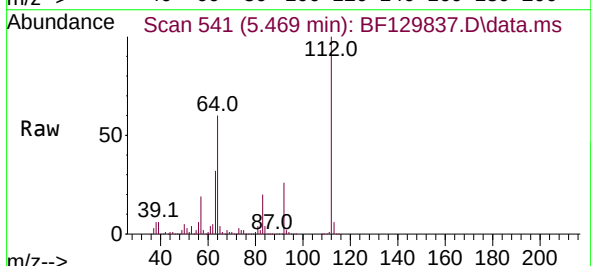
Tgt Ion:152 Resp: 13740
Ion Ratio Lower Upper
152 100
150 158.0 126.9 190.3
115 64.6 53.4 80.0

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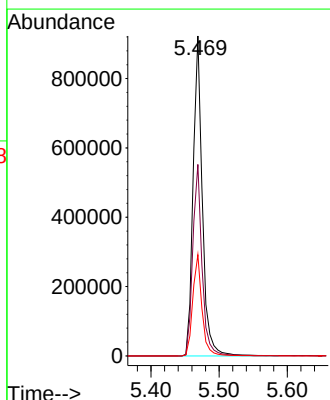
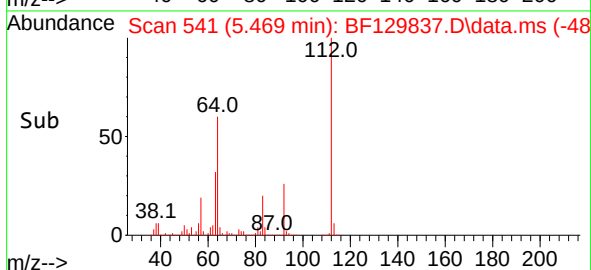
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

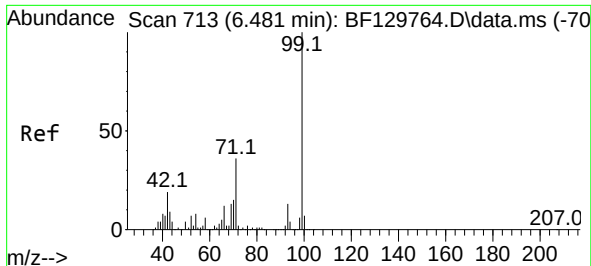


#5
2-Fluorophenol
Concen: 104.782 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51



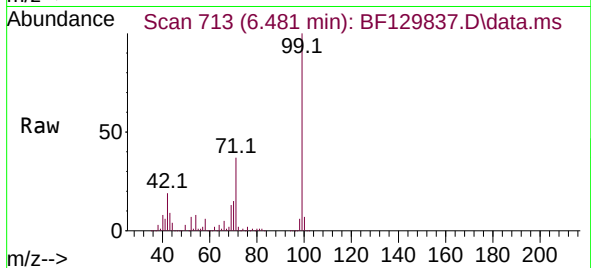
Tgt Ion:112 Resp: 869586
Ion Ratio Lower Upper
112 100
64 59.8 47.6 71.4
63 31.6 24.6 37.0





#7
Phenol-d6
Concen: 104.307 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

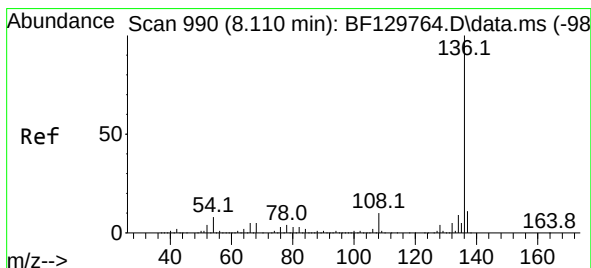
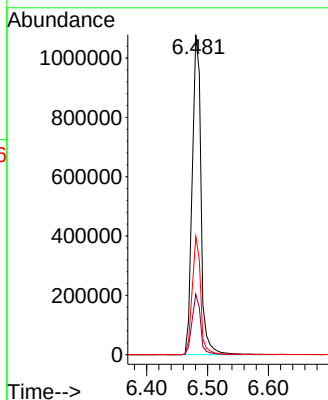
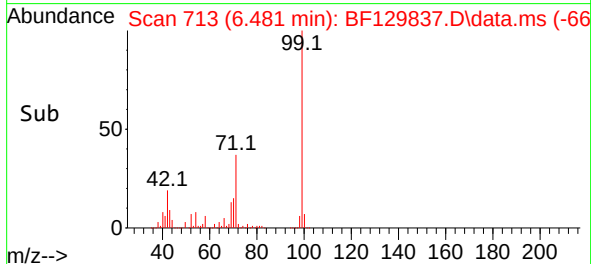
Instrument :
BNA_F
ClientSampleId :
HD-02-081222



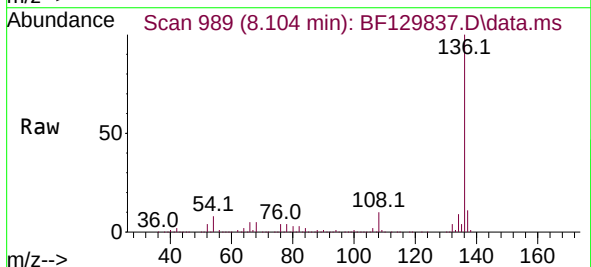
Tgt Ion: 99 Resp: 1084032
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 36.9 28.8 43.2

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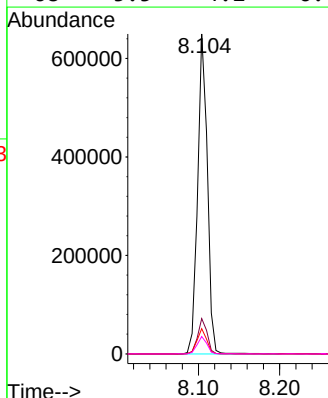
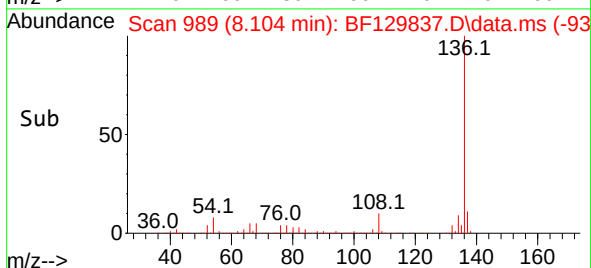
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

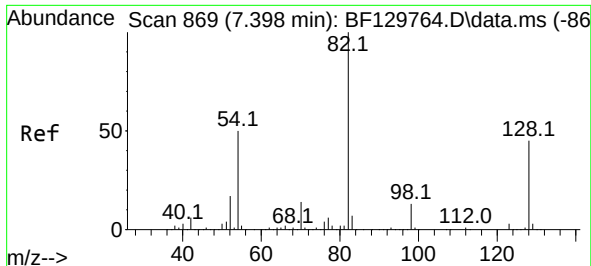


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51



Tgt Ion:136 Resp: 538575
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.9 6.2 9.2
68 5.5 4.2 6.4





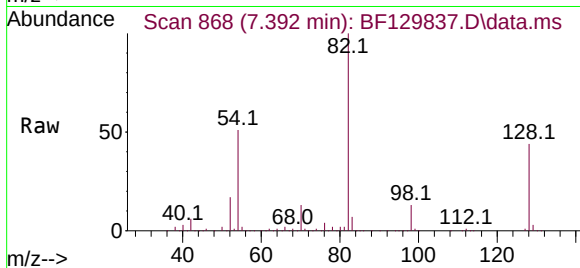
#23
Nitrobenzene-d5
Concen: 70.262 ng
RT: 7.392 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

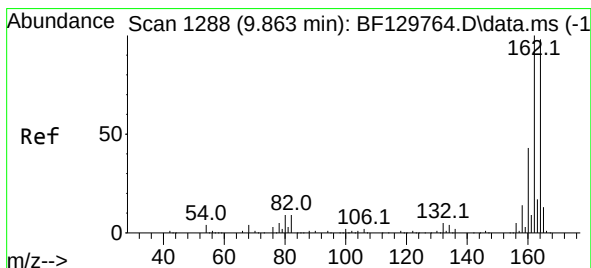
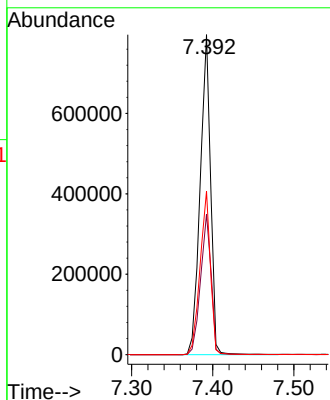
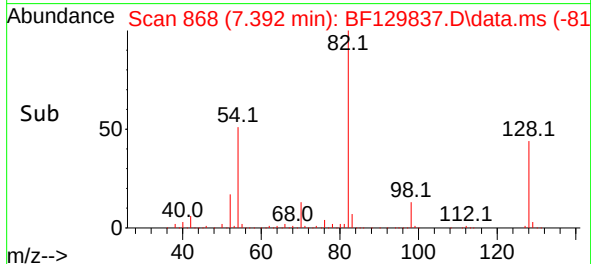


Tgt Ion: 82 Resp: 706897
Ion Ratio Lower Upper
82 100
128 43.9 36.1 54.1
54 51.1 40.0 60.0

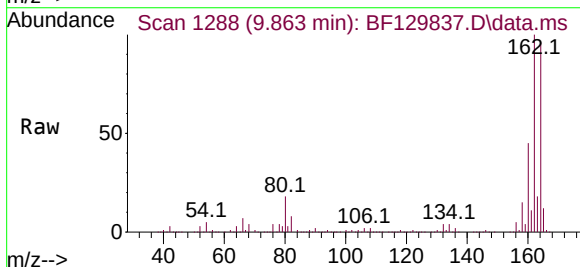
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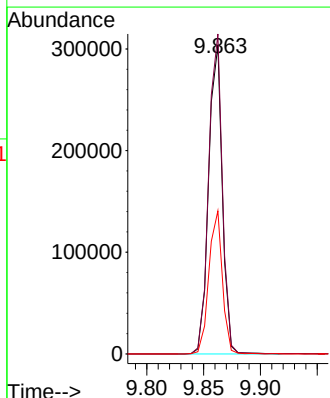
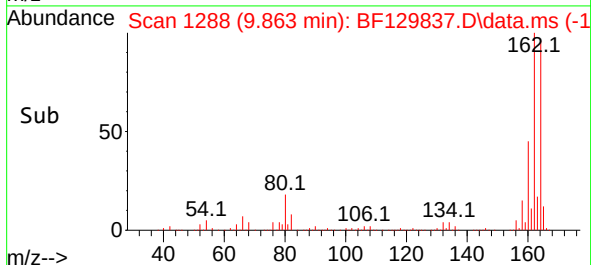
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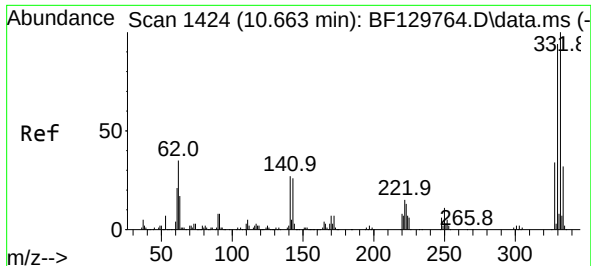


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51



Tgt Ion:164 Resp: 254457
Ion Ratio Lower Upper
164 100
162 103.8 82.0 123.0
160 46.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 82.566 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Instrument :

BNA_F

ClientSampleId :

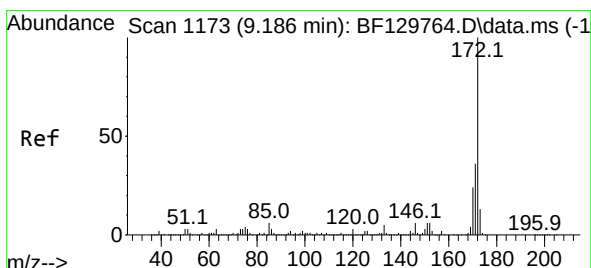
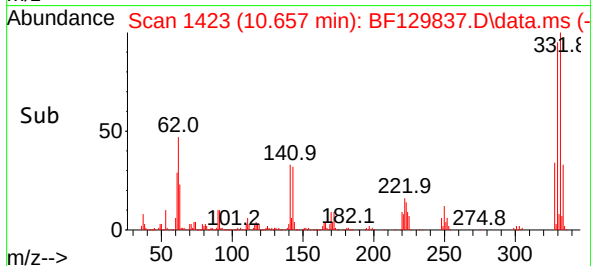
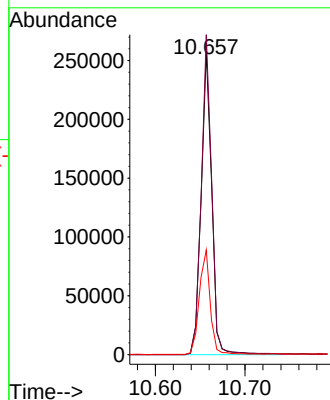
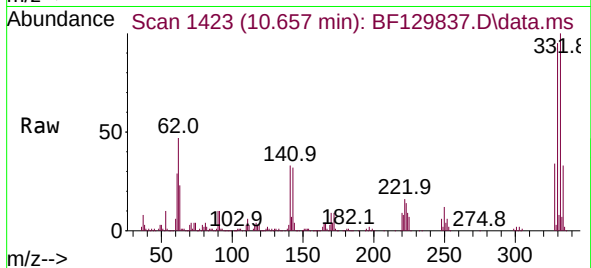
HD-02-081222

Tgt Ion:330 Resp: 210862
Ion Ratio Lower Upper
330 100
332 103.9 82.6 124.0
141 35.5 27.6 41.4

Manual Integrations

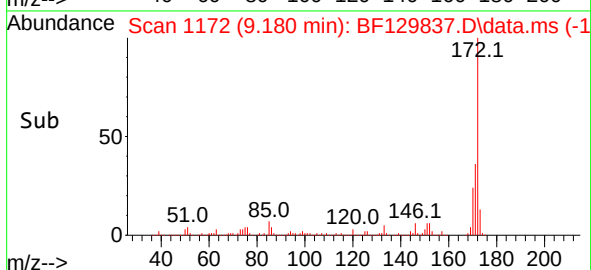
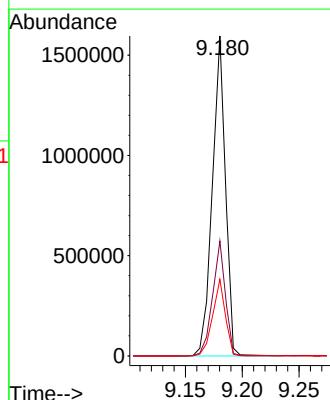
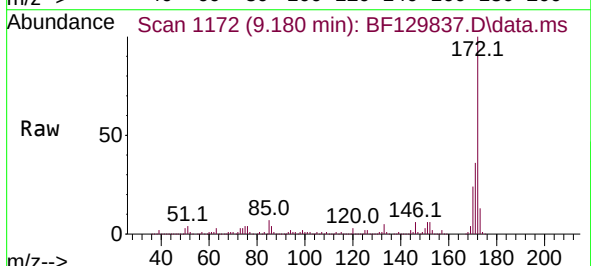
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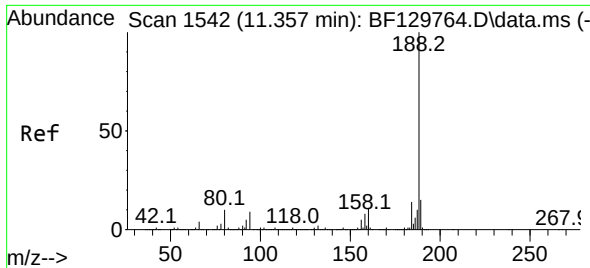
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#45
2-Fluorobiphenyl
Concen: 76.757 ng
RT: 9.180 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Tgt Ion:172 Resp: 1285964
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.9 19.1 28.7





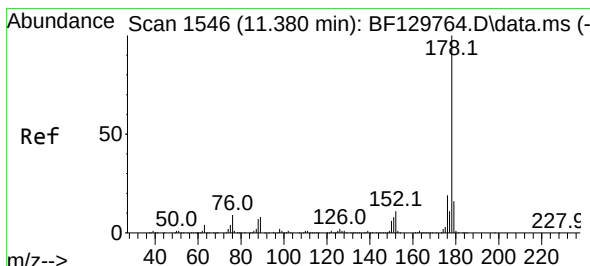
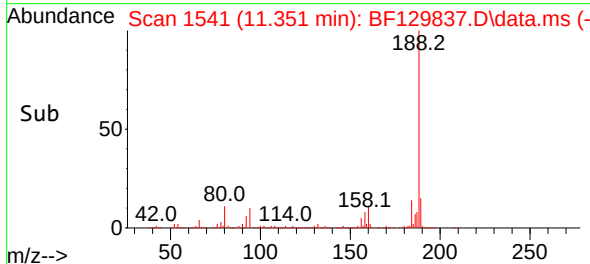
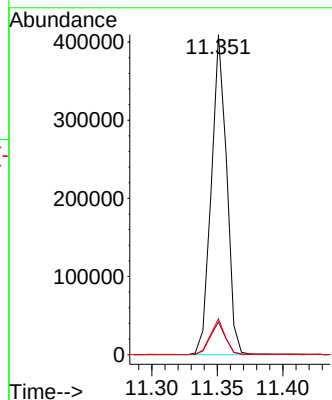
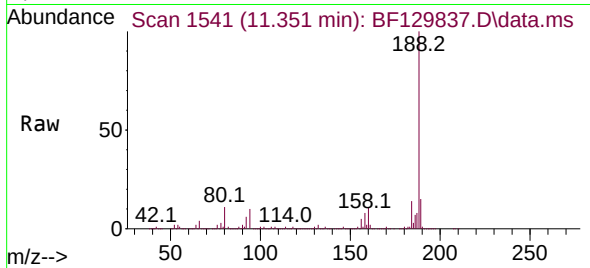
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Instrument :
BNA_F
ClientSampleId :
HD-02-081222

Tgt Ion:188 Resp: 333586
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.2
80 11.2 7.9 11.9

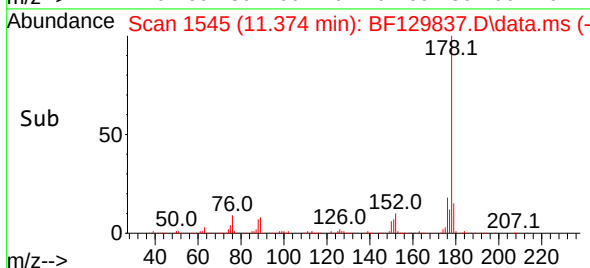
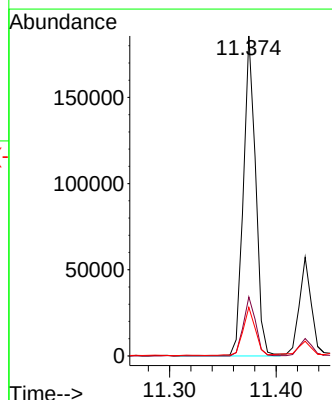
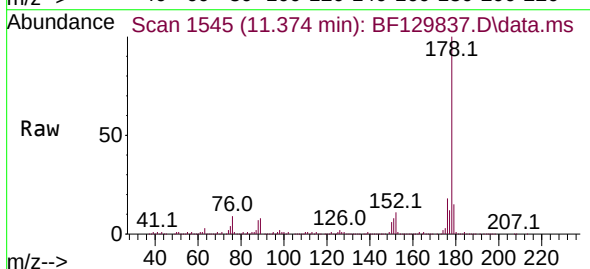
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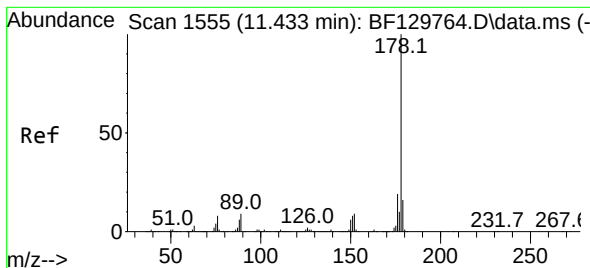
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#71
Phenanthrene
Concen: 7.943 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Tgt Ion:178 Resp: 147976
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.2 12.5 18.7





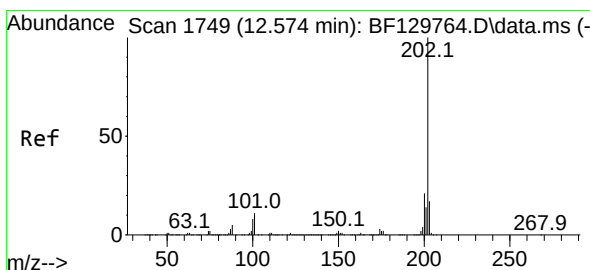
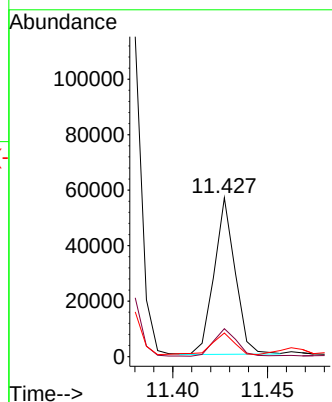
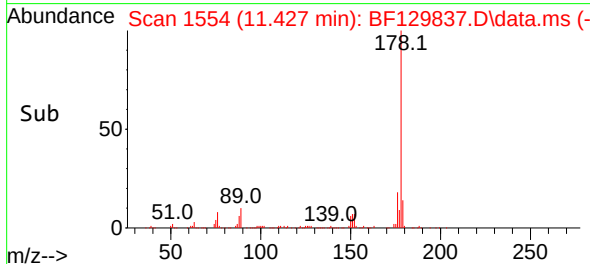
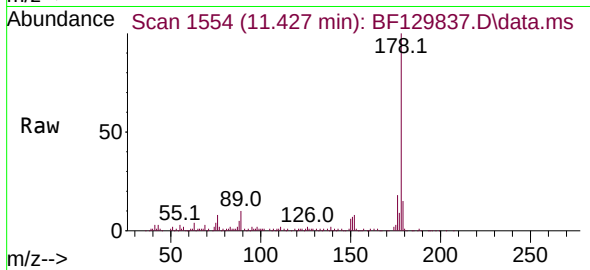
#72
 Anthracene
 Concen: 2.357 ng
 RT: 11.427 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129837.D
 Acq: 17 Aug 2022 10:51

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222

Tgt Ion:178 Resp: 43675
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.1 22.7
 179 14.8 12.6 18.8

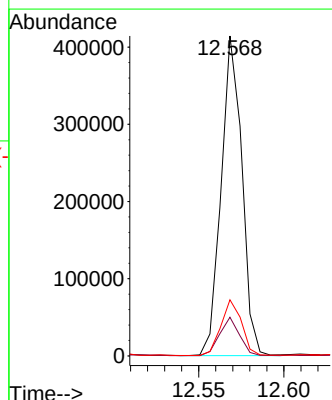
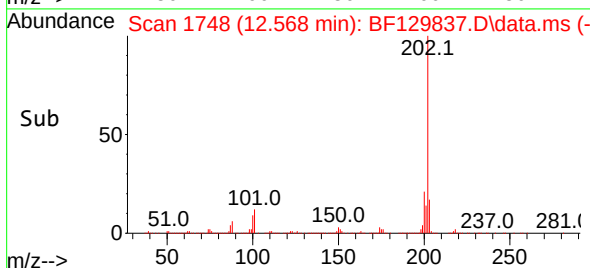
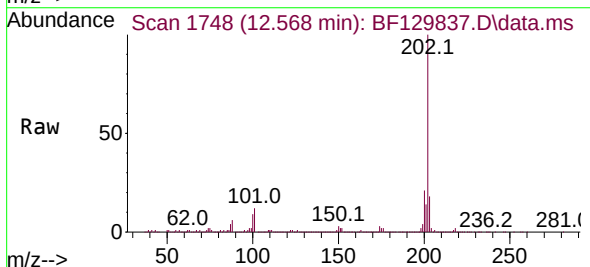
Manual Integrations
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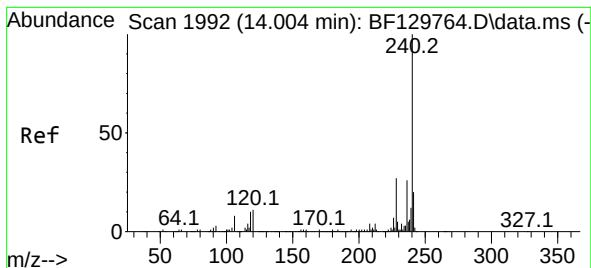
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#75
 Fluoranthene
 Concen: 18.394 ng
 RT: 12.568 min Scan# 1748
 Delta R.T. -0.006 min
 Lab File: BF129837.D
 Acq: 17 Aug 2022 10:51

Tgt Ion:202 Resp: 350667
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 30.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.000 min

Lab File: BF129837.D

Acq: 17 Aug 2022 10:51

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

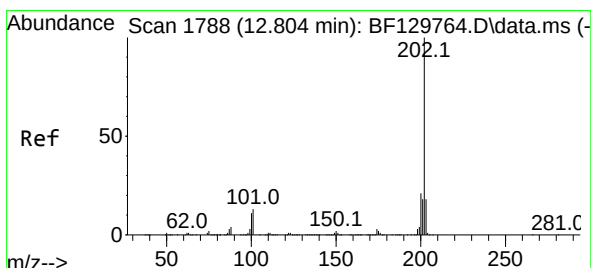
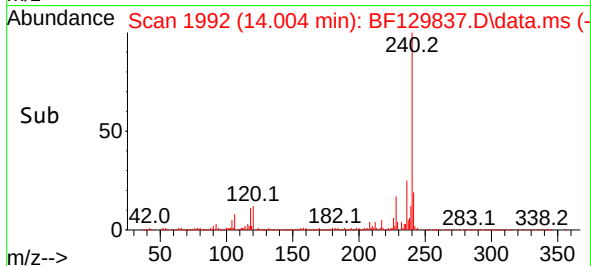
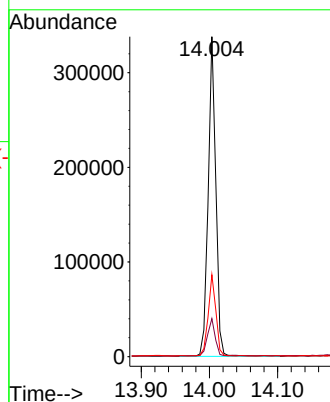
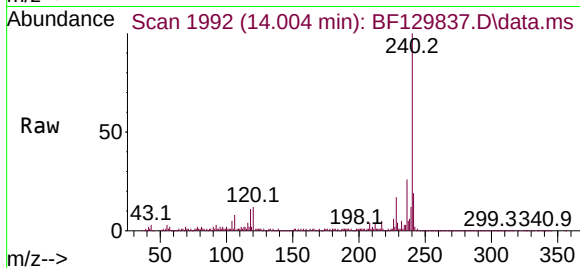
Tgt Ion:240 Resp: 263556
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.2 13.8
 236 25.6 20.7 31.1

Manual Integrations

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#78

Pyrene

Concen: 15.809 ng

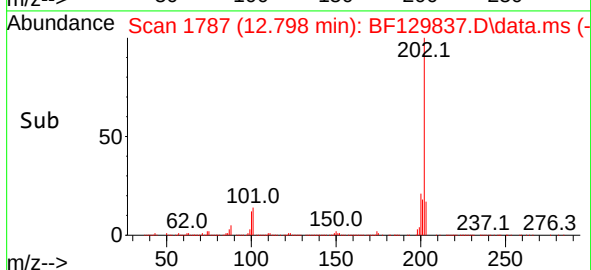
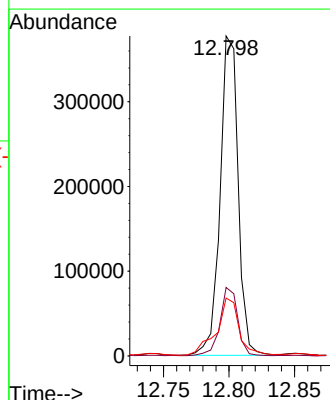
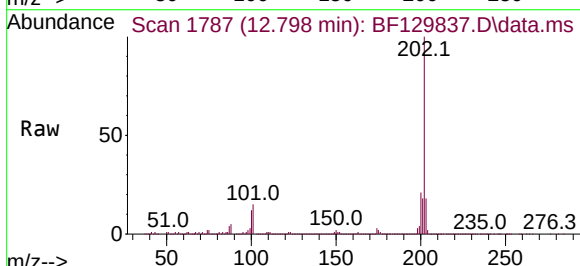
RT: 12.798 min Scan# 1787

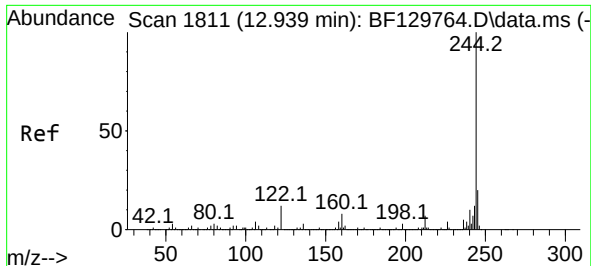
Delta R.T. -0.006 min

Lab File: BF129837.D

Acq: 17 Aug 2022 10:51

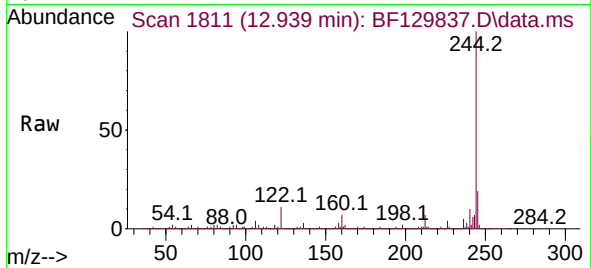
Tgt Ion:202 Resp: 362075
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.0 25.6
 203 18.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 57.659 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. -0.000 min
 Lab File: BF129837.D
 Acq: 17 Aug 2022 10:51

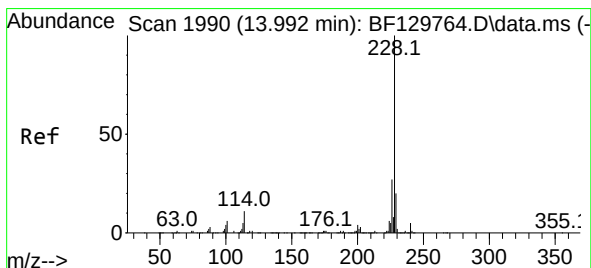
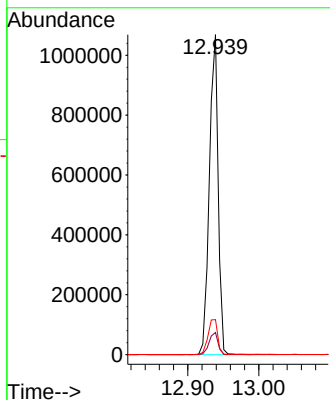
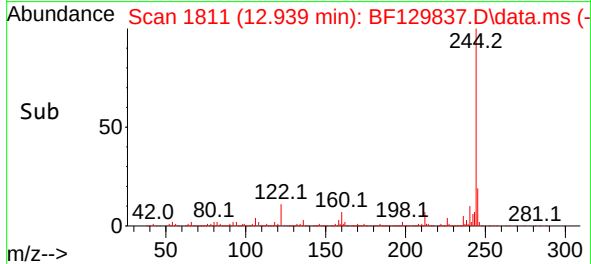
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222



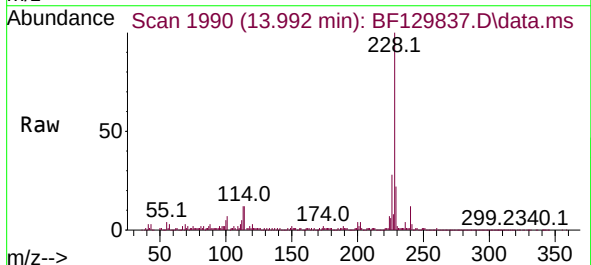
Tgt Ion:244 Resp: 913274
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.9 9.9 14.9

Manual Integrations
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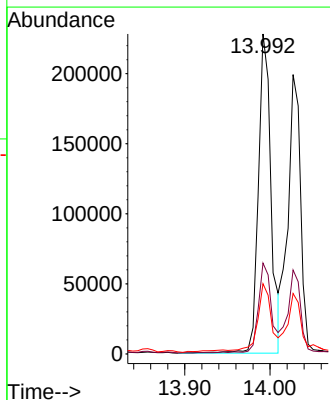
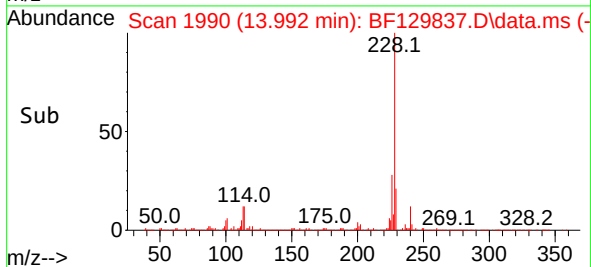
Reviewed By :Christian Giraldo 08/18/2022
 Supervised By :Jagrut Upadhyay 08/18/2022

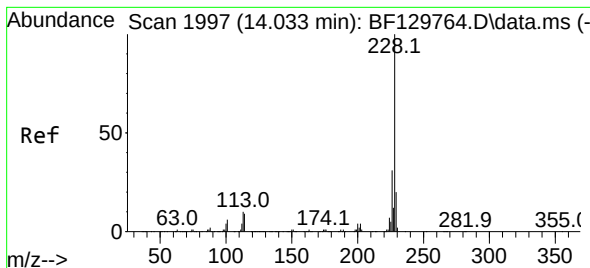


#81
 Benzo(a)anthracene
 Concen: 12.922 ng
 RT: 13.992 min Scan# 1990
 Delta R.T. -0.000 min
 Lab File: BF129837.D
 Acq: 17 Aug 2022 10:51



Tgt Ion:228 Resp: 234277
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.4 32.0
 229 21.9 16.1 24.1





#83

Chrysene

Concen: 12.140 ng

RT: 14.027 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF129837.D

Acq: 17 Aug 2022 10:51

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

Tgt Ion:228 Resp: 206028

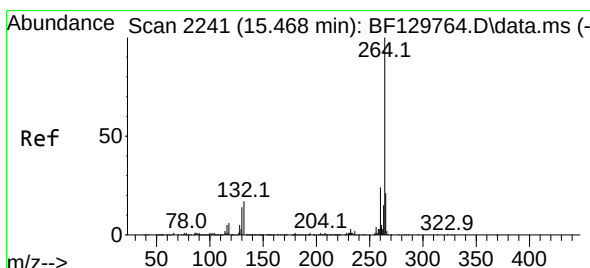
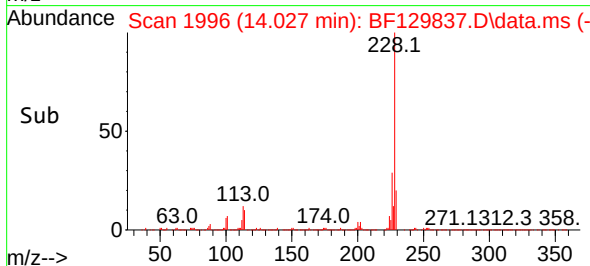
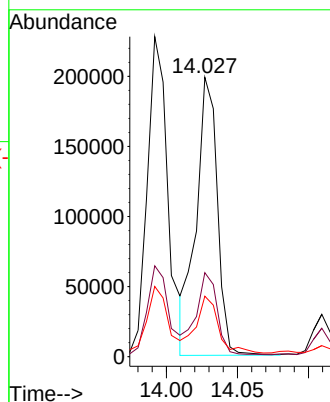
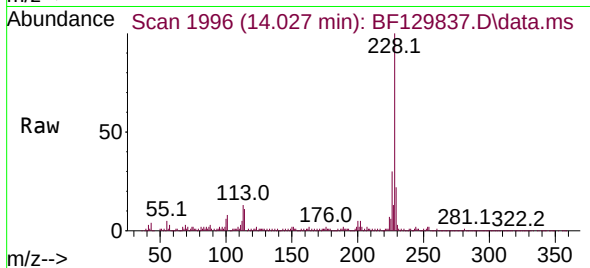
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	21.6	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/18/2022

Supervised By :Jagrut Upadhyay 08/18/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2243

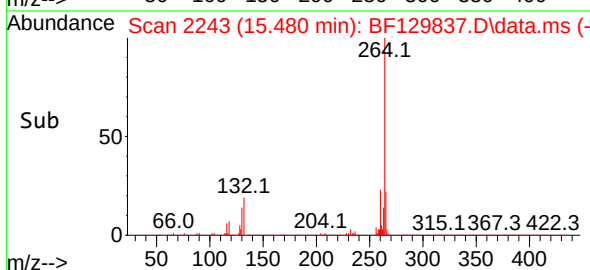
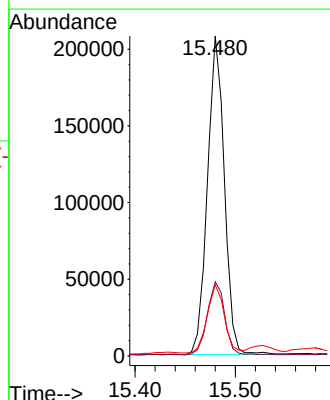
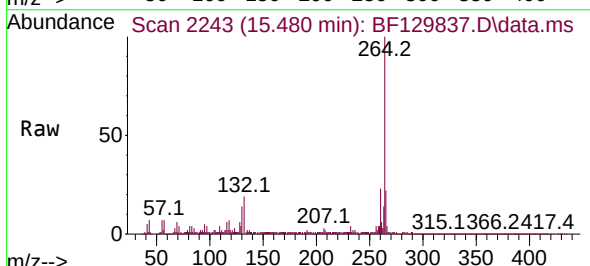
Delta R.T. 0.012 min

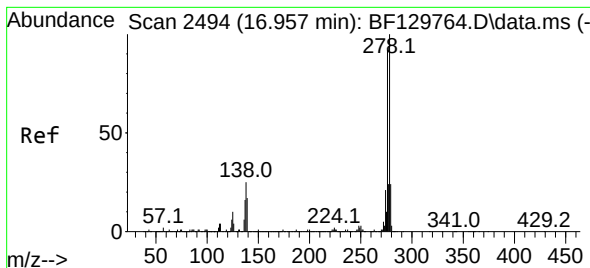
Lab File: BF129837.D

Acq: 17 Aug 2022 10:51

Tgt Ion:264 Resp: 242496

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	22.2	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.393 ng
RT: 16.968 min Scan# 2494
Delta R.T. 0.012 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Instrument :

BNA_F

ClientSampleId :

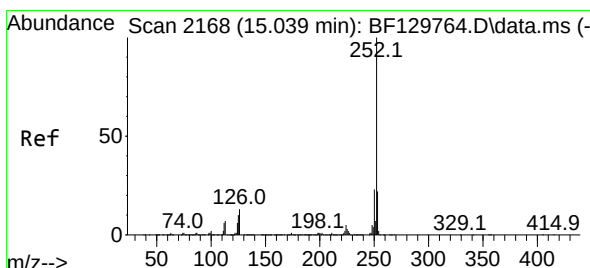
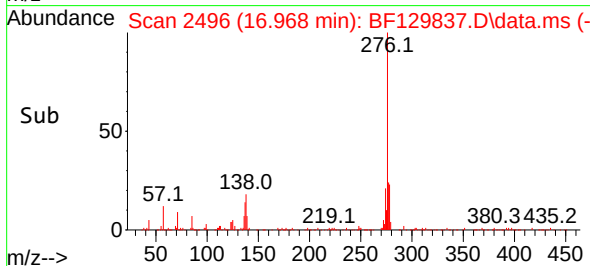
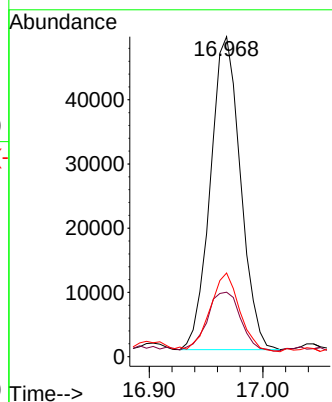
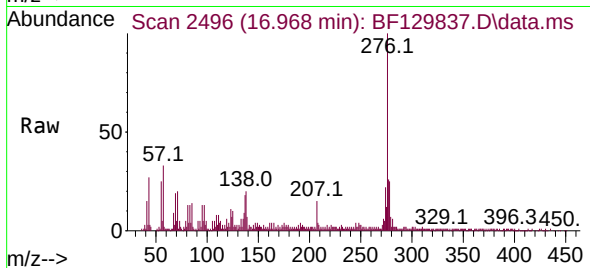
HD-02-081222

Tgt Ion: 276 Resp: 89783
Ion Ratio Lower Upper
276 100
138 21.2 19.8 29.8
277 24.8 20.4 30.6

Manual Integrations

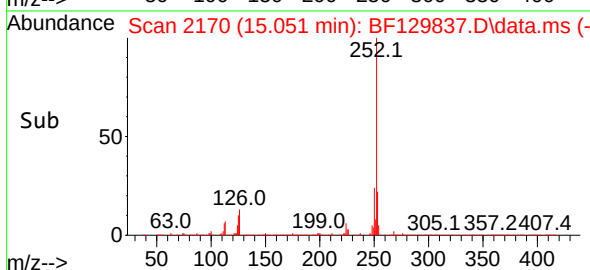
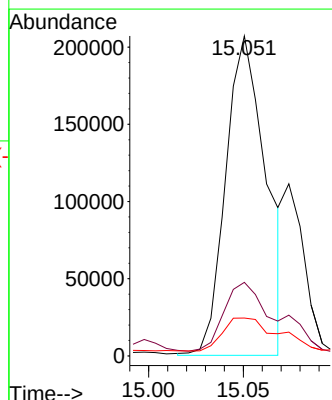
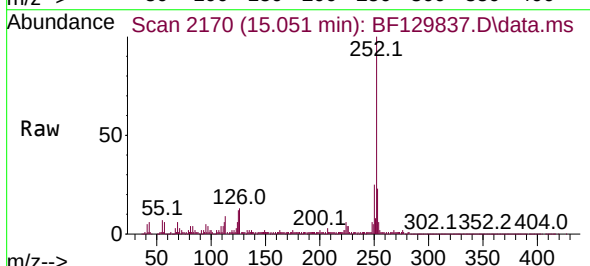
APPROVED

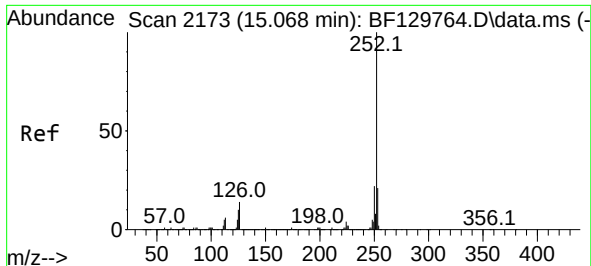
Reviewed By : Christian Giraldo 08/18/2022
Supervised By : Jagrut Upadhyay 08/18/2022



#88
Benzo(b)fluoranthene
Concen: 18.552 ng m
RT: 15.051 min Scan# 2170
Delta R.T. 0.012 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Tgt Ion: 252 Resp: 308053
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.8 8.3 12.5





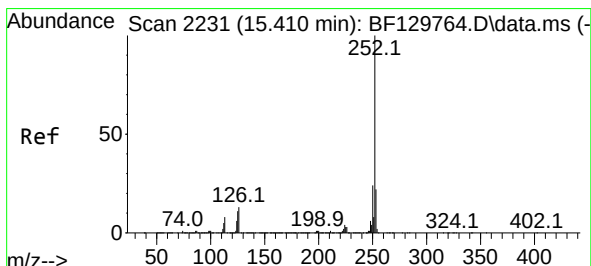
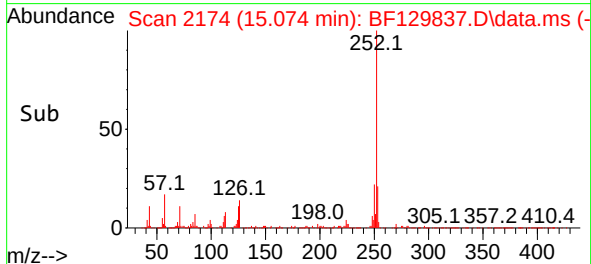
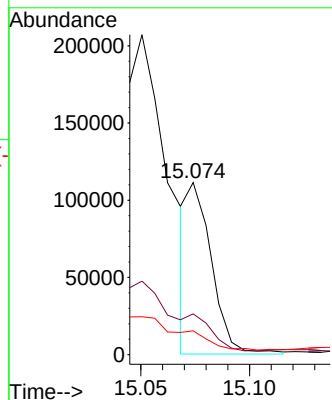
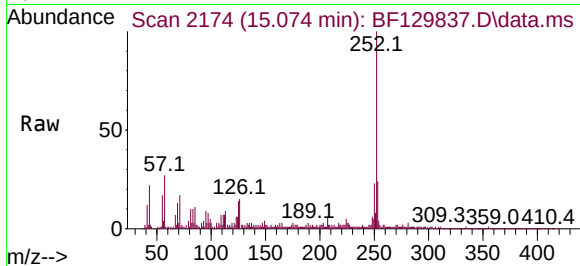
#89
Benzo(k)fluoranthene
Concen: 5.383 ng m
RT: 15.074 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

Instrument :
BNA_F
ClientSampleId :
HD-02-081222

Tgt Ion:252 Resp: 85714
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 13.8 8.3 12.5

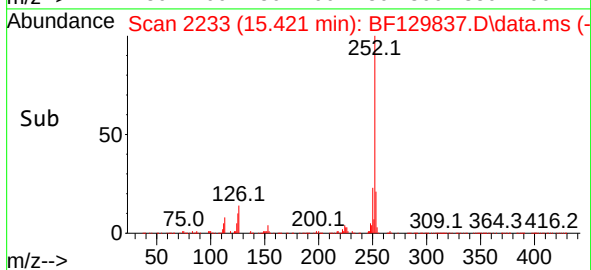
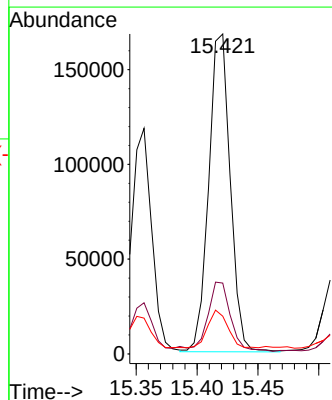
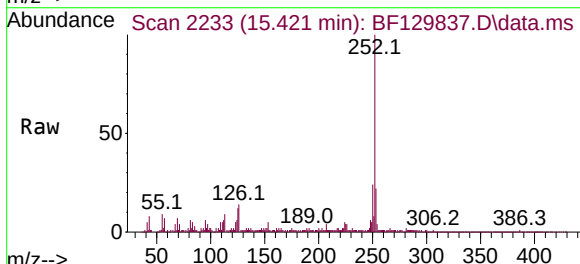
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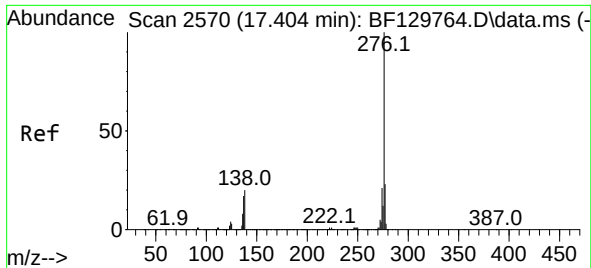
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#90
Benzo(a)pyrene
Concen: 15.811 ng
RT: 15.421 min Scan# 2233
Delta R.T. 0.012 min
Lab File: BF129837.D
Acq: 17 Aug 2022 10:51

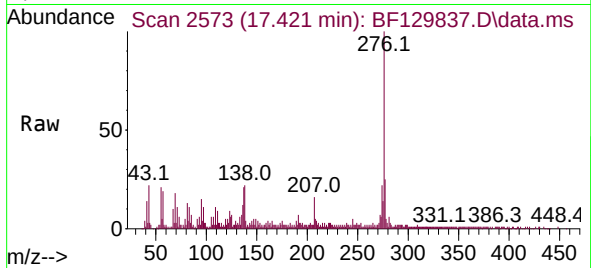
Tgt Ion:252 Resp: 206748
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 11.8 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.057 ng
 RT: 17.421 min Scan# 2573
 Delta R.T. 0.017 min
 Lab File: BF129837.D
 Acq: 17 Aug 2022 10:51

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222



Tgt Ion: 276 Resp: 83000
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.2 27.4
 138 22.2 15.8 23.8

Manual Integrations
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Reviewed By : Christian Giraldo 08/18/2022
 Supervised By : Jagrut Upadhyay 08/18/2022

