

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129829.D
 Acq On : 17 Aug 2022 01:05
 Operator : CG\JU
 Sample : N4199-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222

Quant Time: Aug 17 02:42:29 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

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	128884	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	461665	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	199131	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	282259	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	274793	20.000	ng	0.00
86) Perylene-d12	15.474	264	233111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	824355	105.900	ng	0.00
7) Phenol-d6	6.475	99	978393	100.368	ng	0.00
23) Nitrobenzene-d5	7.386	82	628982	72.933	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	174414	87.269	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1041578	79.443	ng	-0.01
79) Terphenyl-d14	12.933	244	931472	56.403	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	125819	7.981	ng	99
72) Anthracene	11.422	178	43283	2.761	ng	100
75) Fluoranthene	12.563	202	358319	22.213	ng	98
78) Pyrene	12.798	202	378354	15.844	ng	100
81) Benzo(a)anthracene	13.986	228	244804	12.950	ng	98
83) Chrysene	14.027	228	220940	12.486	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	98869	6.178	ng	95
88) Benzo(b)fluoranthene	15.045	252	297799m	18.656	ng	
89) Benzo(k)fluoranthene	15.068	252	78398m	5.121	ng	
90) Benzo(a)pyrene	15.410	252	197094	15.679	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	26632	2.017	ng	# 88
92) Benzo(g,h,i)perylene	17.404	276	92596	7.029	ng	94

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

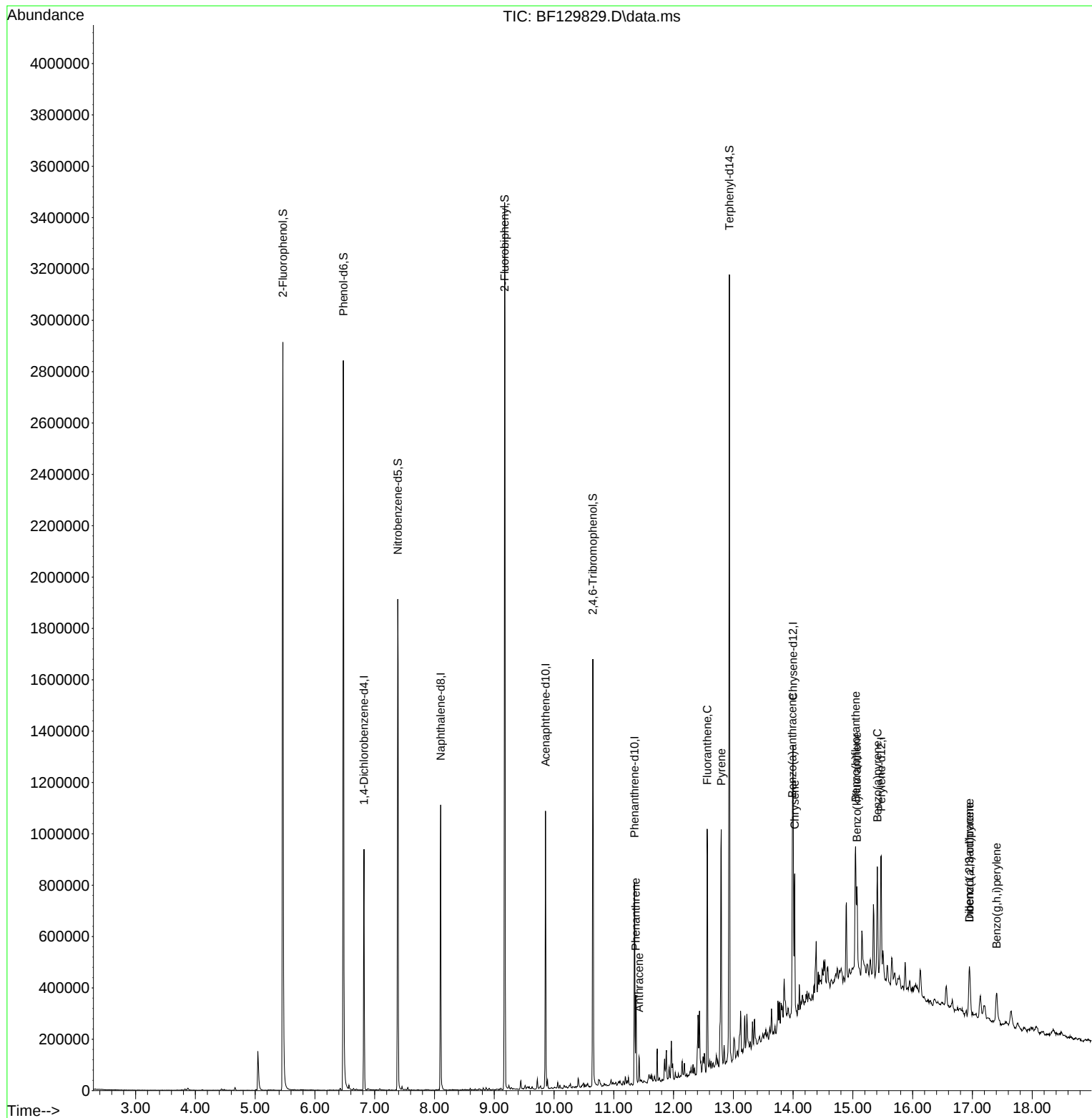
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
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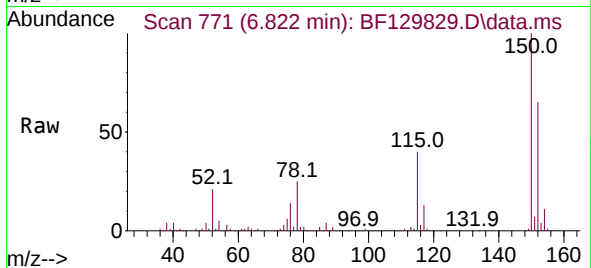
Reviewed By : Christian Giraldo 08/17/2022
Supervised By : Jagrut Upadhyay 08/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

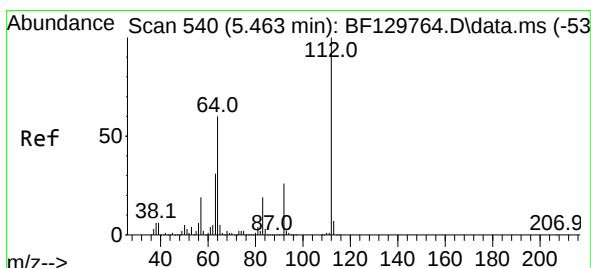
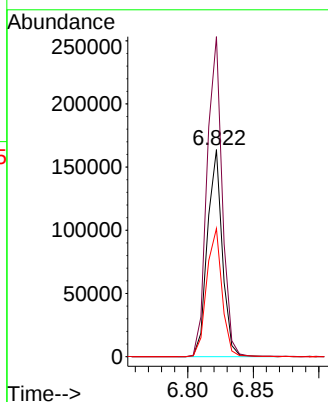
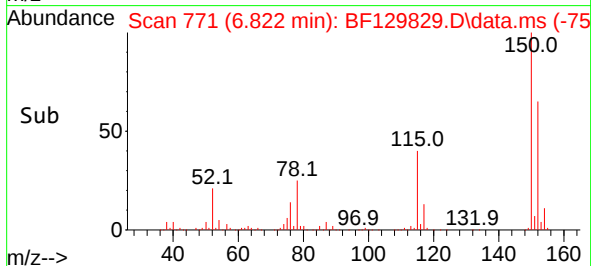
Instrument :
BNA_F
ClientSampleId :
HD-02-081222



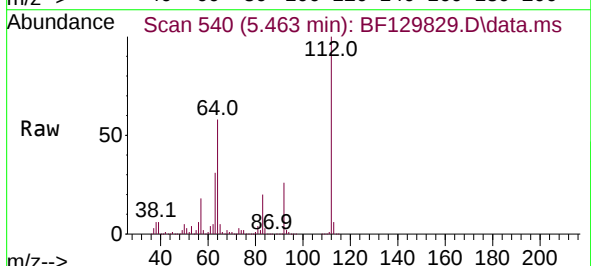
Tgt Ion:152 Resp: 128884
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 61.9 53.4 80.0

Manual Integrations
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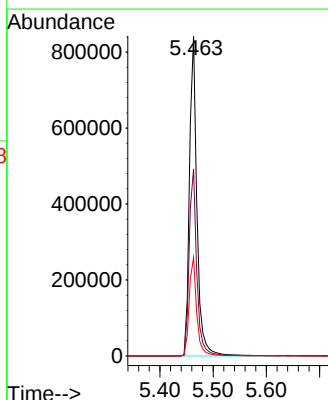
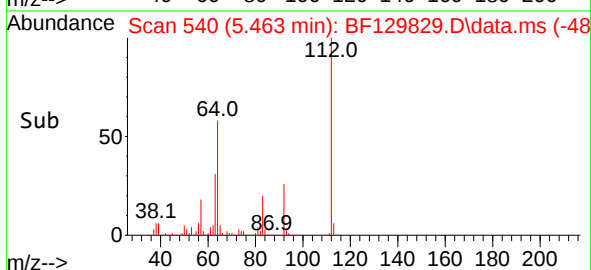
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

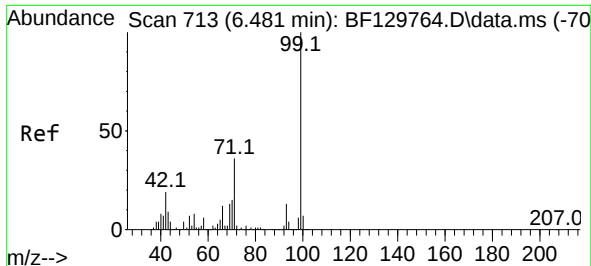


#5
2-Fluorophenol
Concen: 105.900 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05



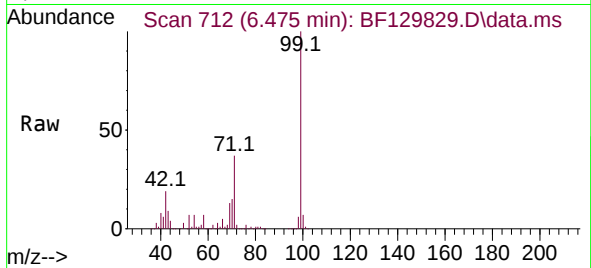
Tgt Ion:112 Resp: 824355
Ion Ratio Lower Upper
112 100
64 58.4 47.6 71.4
63 30.7 24.6 37.0





#7
Phenol-d6
Concen: 100.368 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

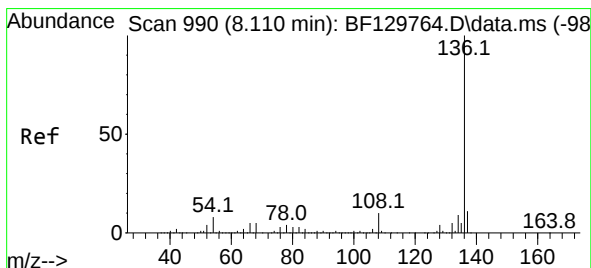
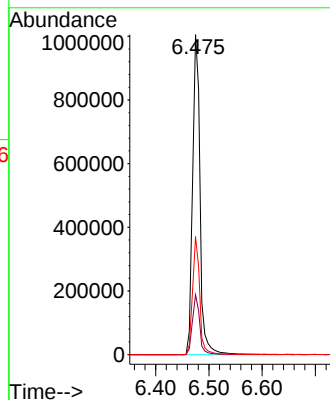
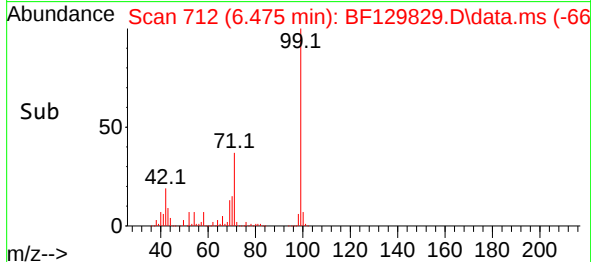
Instrument :
BNA_F
ClientSampleId :
HD-02-081222



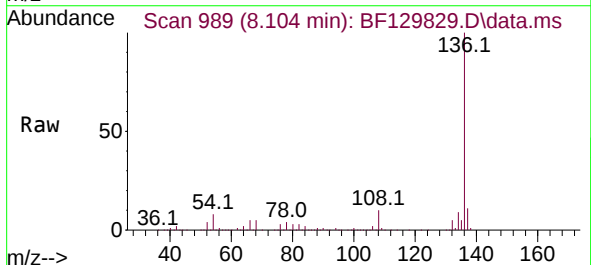
Tgt Ion: 99 Resp: 978393
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 36.9 28.8 43.2

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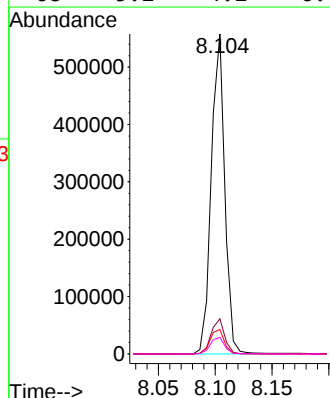
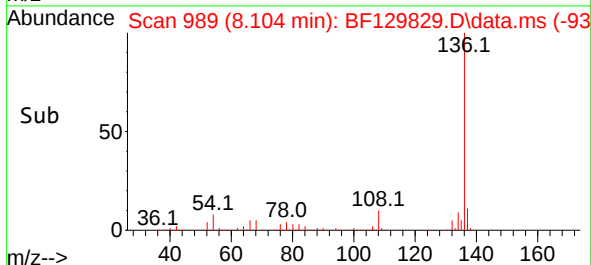
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05



Tgt Ion:136 Resp: 461665
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.6 6.2 9.2
68 5.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 72.933 ng

RT: 7.386 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

Tgt Ion: 82 Resp: 628982

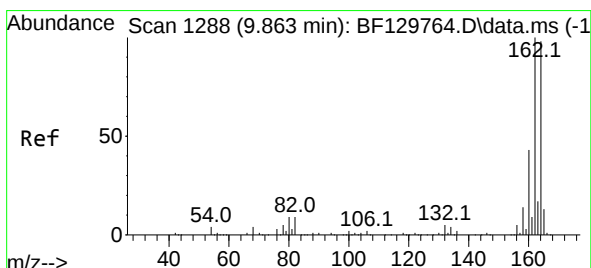
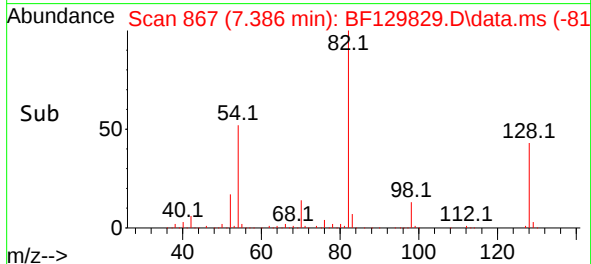
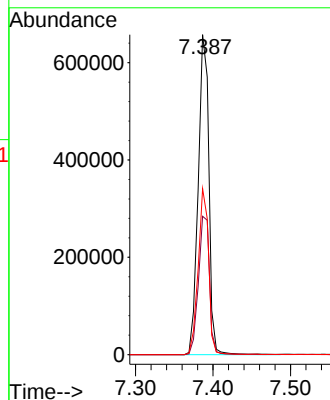
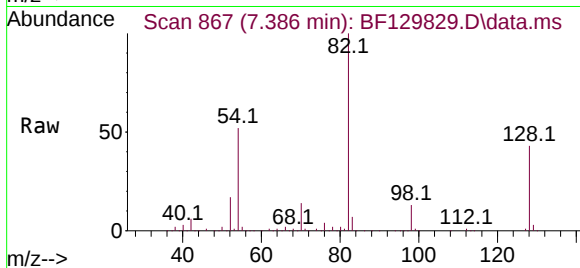
Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	51.9	40.0	60.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1287

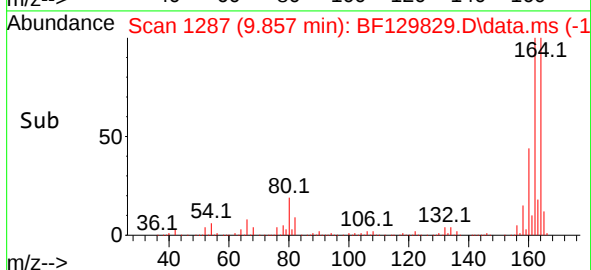
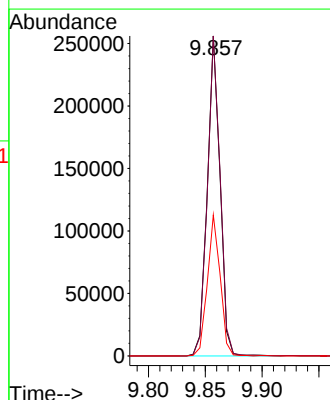
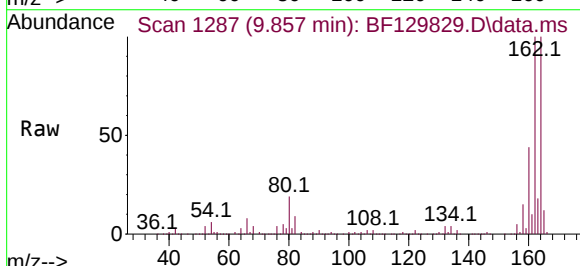
Delta R.T. -0.006 min

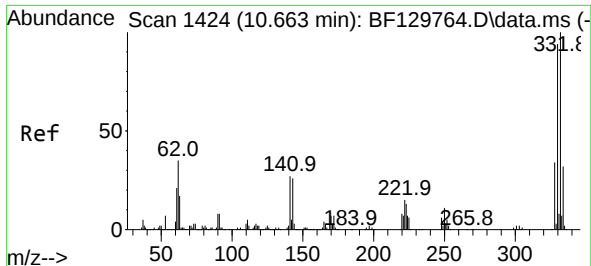
Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Tgt Ion:164 Resp: 199131

Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.0	123.0
160	44.0	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 87.269 ng
RT: 10.651 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

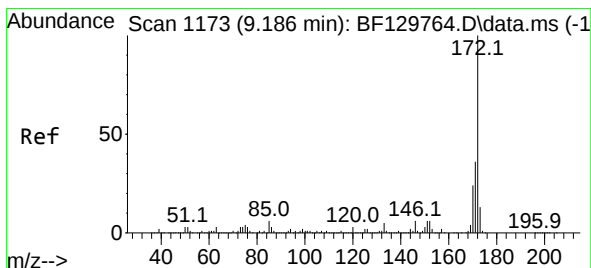
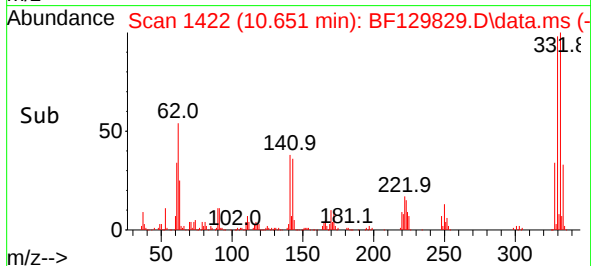
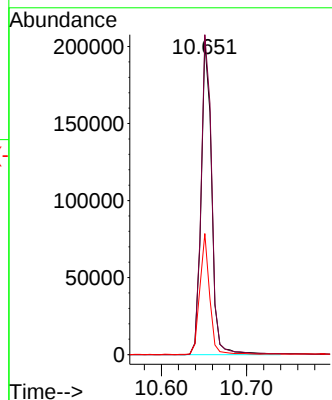
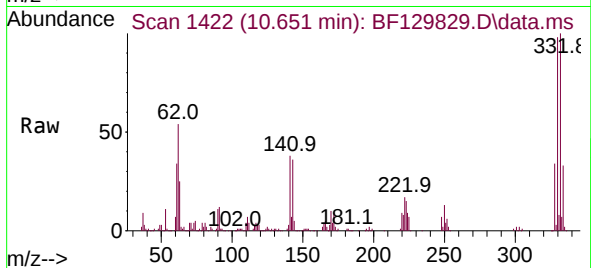
ClientSampleId :

HD-02-081222

Tgt Ion: 330 Resp: 174414
Ion Ratio Lower Upper
330 100
332 103.2 82.6 124.0
141 36.3 27.6 41.4

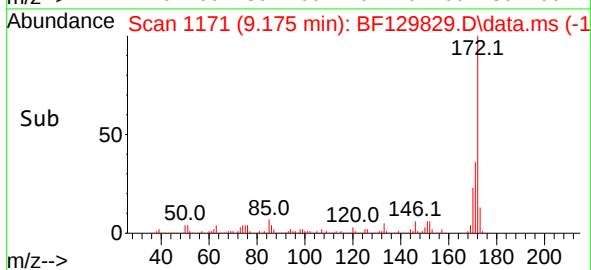
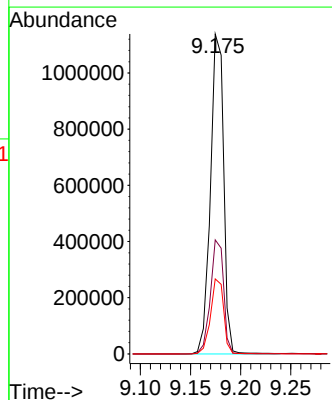
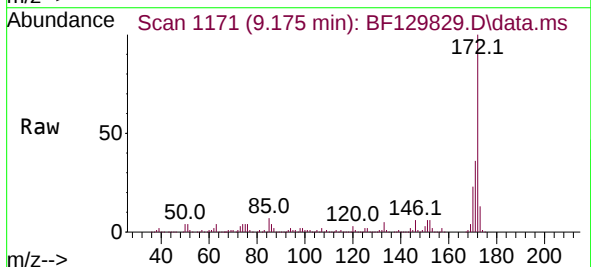
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#45
2-Fluorobiphenyl
Concen: 79.443 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion: 172 Resp: 1041578
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.4 19.1 28.7





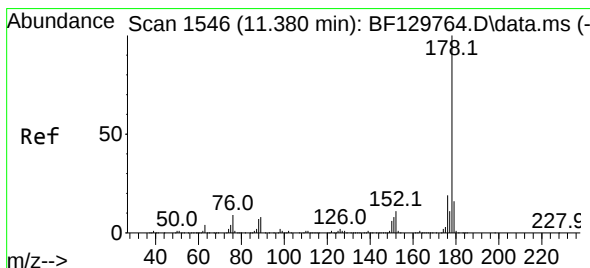
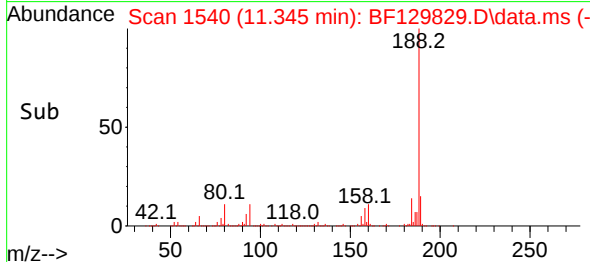
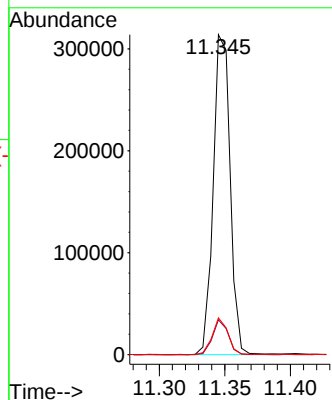
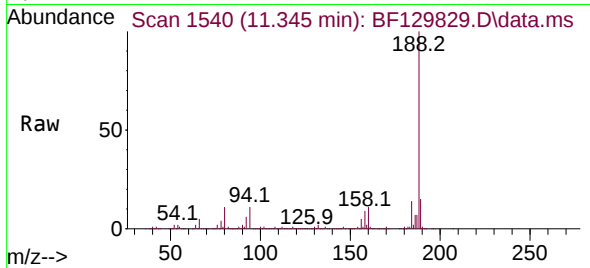
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Instrument :
BNA_F
ClientSampleId :
HD-02-081222

Tgt Ion:188 Resp: 282259
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.5 7.9 11.9

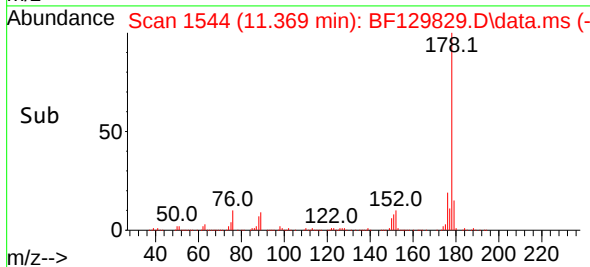
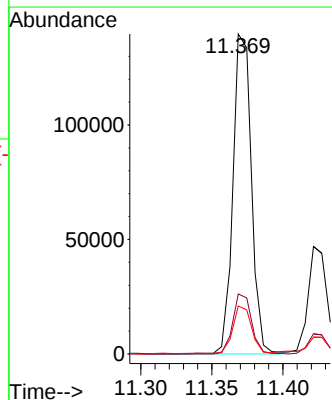
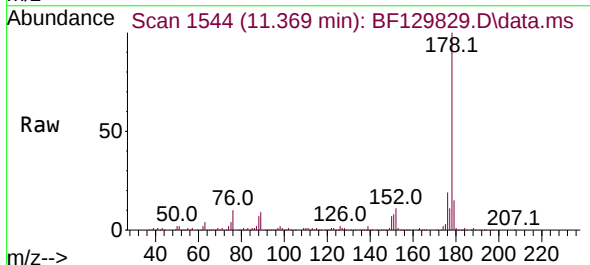
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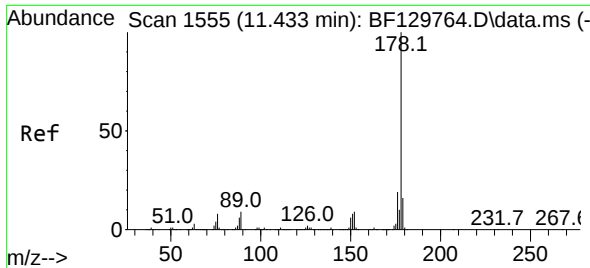
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#71
Phenanthrene
Concen: 7.981 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:178 Resp: 125819
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.0 12.5 18.7





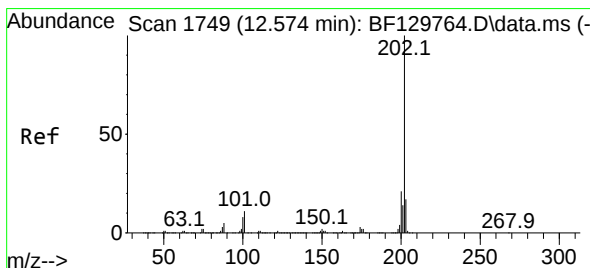
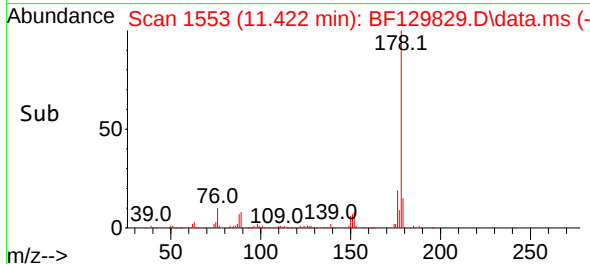
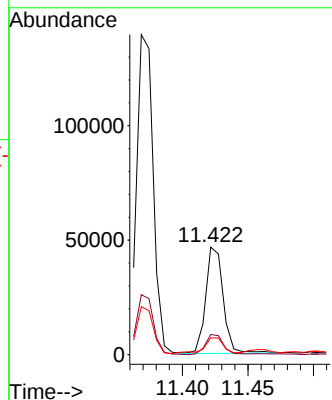
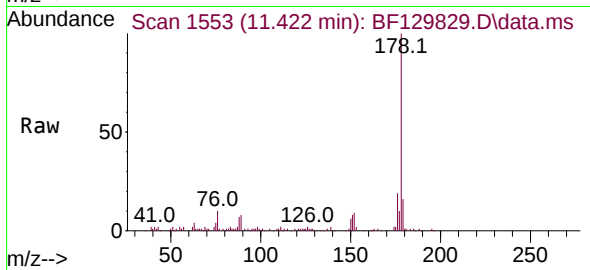
#72
 Anthracene
 Concen: 2.761 ng
 RT: 11.422 min Scan# 11422
 Delta R.T. -0.012 min
 Lab File: BF129829.D
 Acq: 17 Aug 2022 01:05

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222

Tgt Ion:178 Resp: 43283
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.6 12.6 18.8

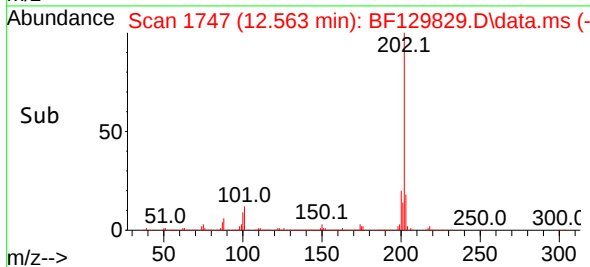
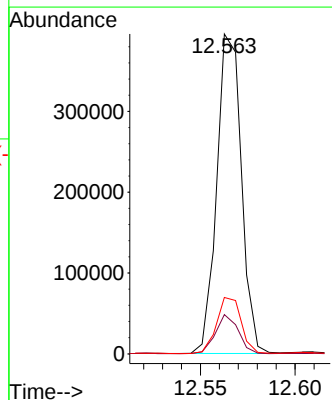
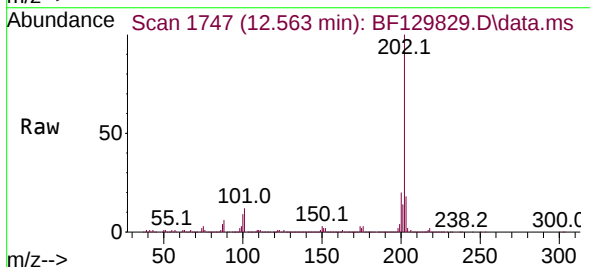
Manual Integrations
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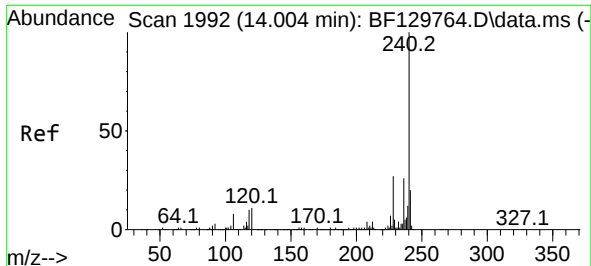
Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022



#75
 Fluoranthene
 Concen: 22.213 ng
 RT: 12.563 min Scan# 1747
 Delta R.T. -0.012 min
 Lab File: BF129829.D
 Acq: 17 Aug 2022 01:05

Tgt Ion:202 Resp: 358319
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 30.7
 203 17.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

ClientSampleId :

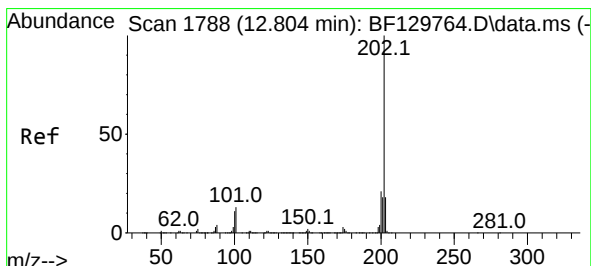
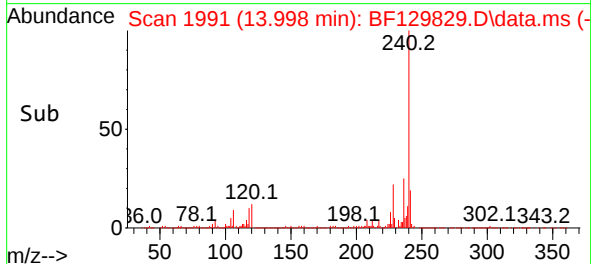
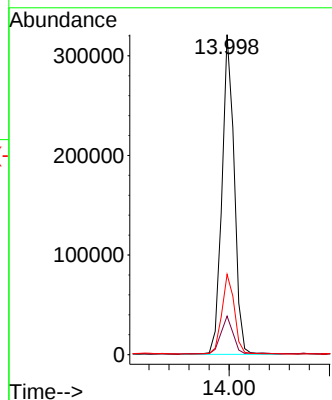
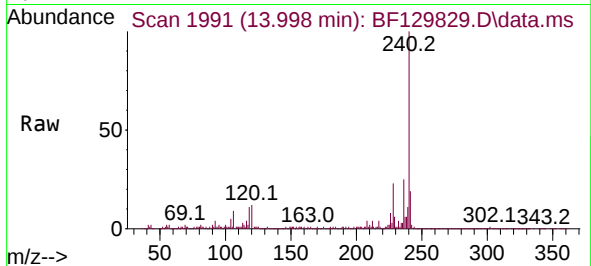
HD-02-081222

Tgt Ion:240 Resp: 274793
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 25.1 20.7 31.1

Manual Integrations

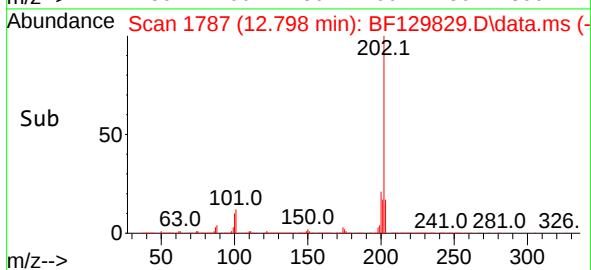
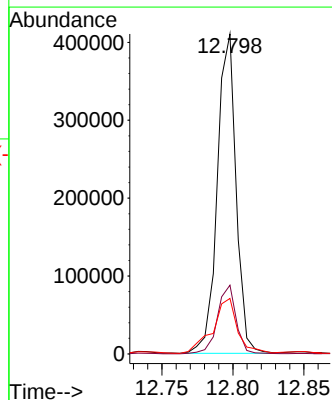
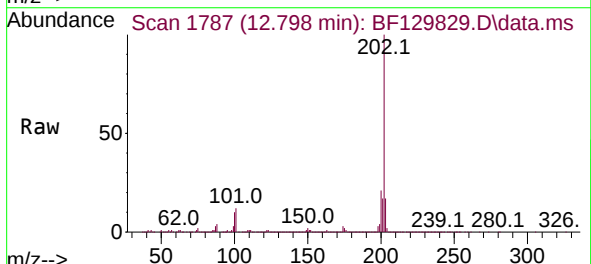
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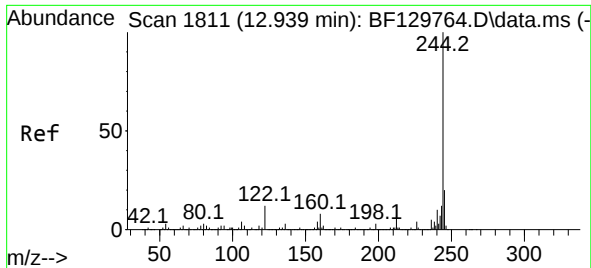
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#78
Pyrene
Concen: 15.844 ng
RT: 12.798 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

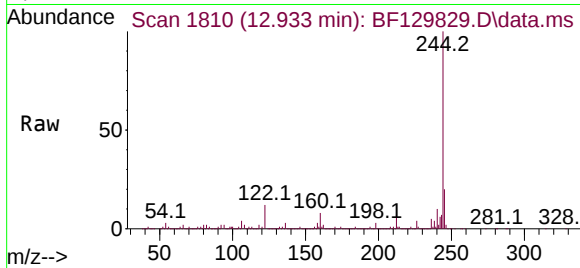
Tgt Ion:202 Resp: 378354
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 56.403 ng
 RT: 12.933 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF129829.D
 Acq: 17 Aug 2022 01:05

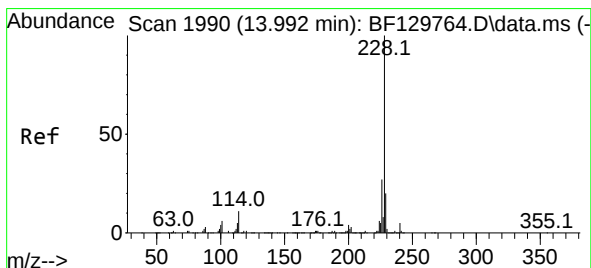
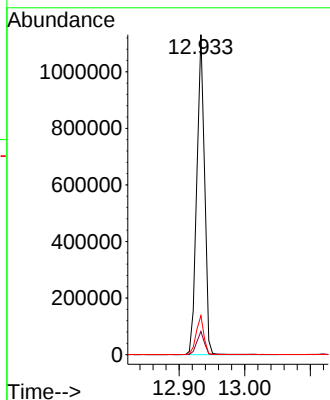
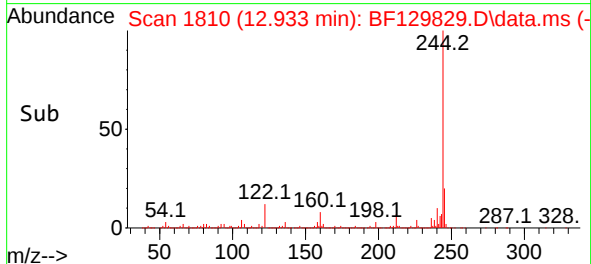
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222



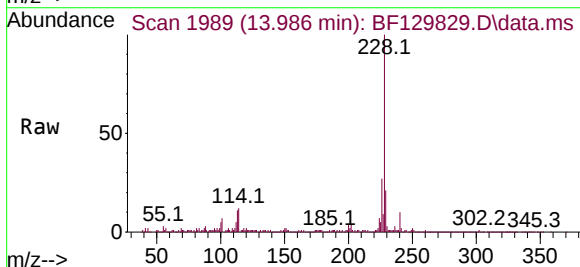
Tgt Ion:244 Resp: 931472
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 12.2 9.9 14.9

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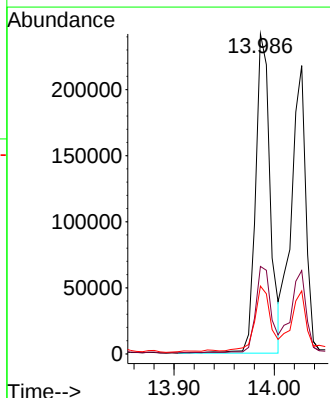
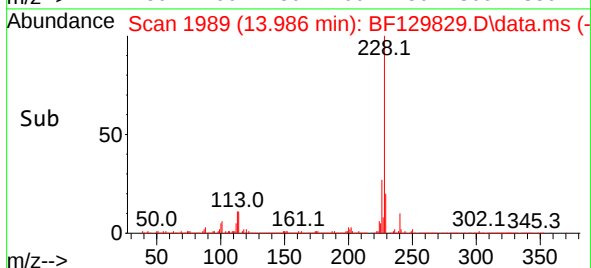
Reviewed By :Christian Giraldo 08/17/2022
 Supervised By :Jagrut Upadhyay 08/17/2022

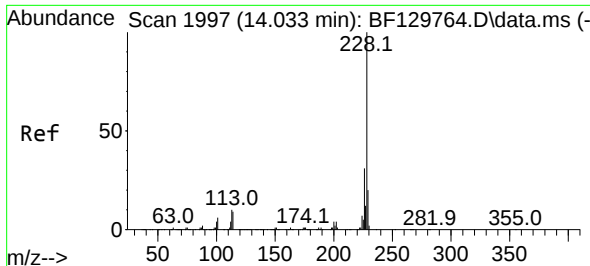


#81
 Benzo(a)anthracene
 Concen: 12.950 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF129829.D
 Acq: 17 Aug 2022 01:05



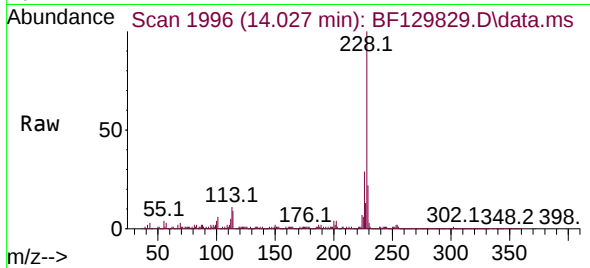
Tgt Ion:228 Resp: 244804
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.0
 229 21.2 16.1 24.1





#83
Chrysene
Concen: 12.486 ng
RT: 14.027 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

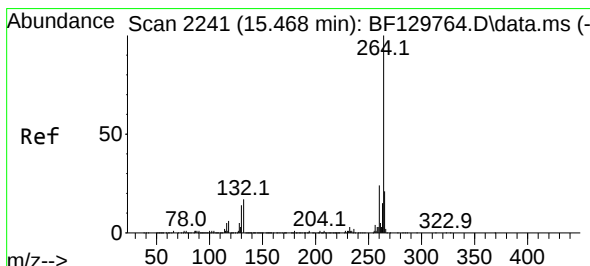
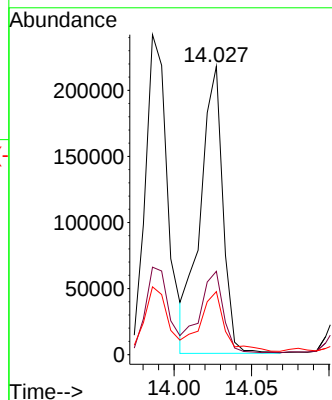
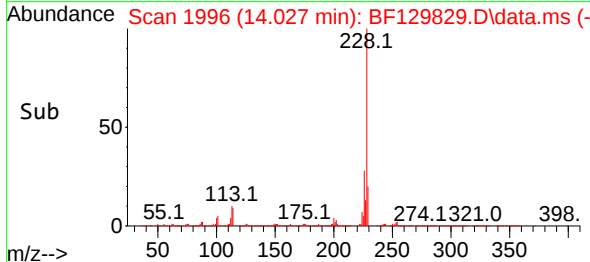
Instrument :
BNA_F
ClientSampleId :
HD-02-081222



Tgt Ion:228 Resp: 220940
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 21.8 15.9 23.9

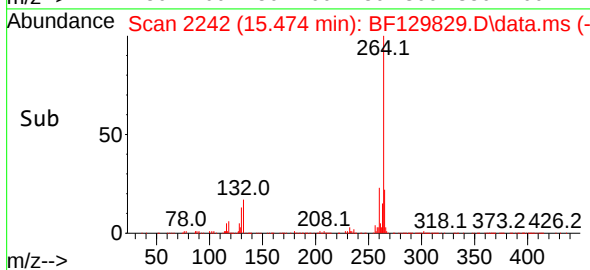
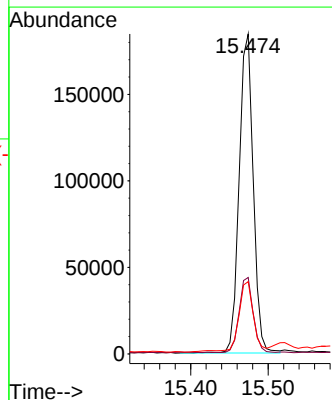
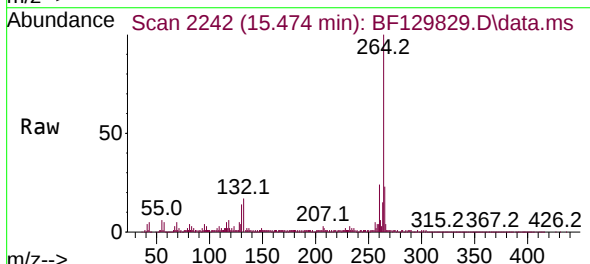
Manual Integrations
APPROVED

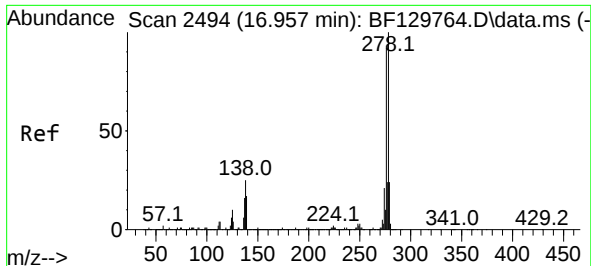
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2242
Delta R.T. 0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

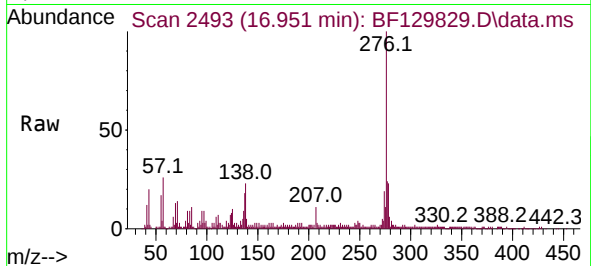
Tgt Ion:264 Resp: 233111
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 22.6 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.178 ng
RT: 16.951 min Scan# 2493
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

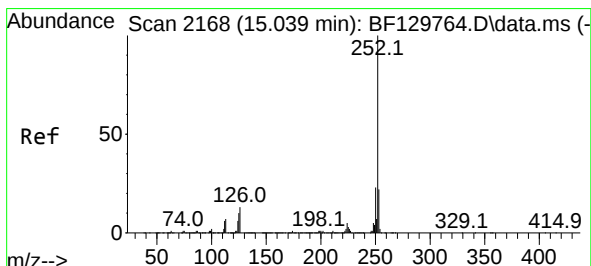
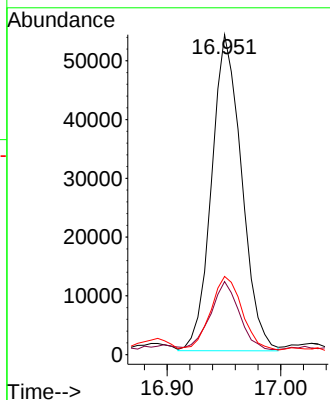
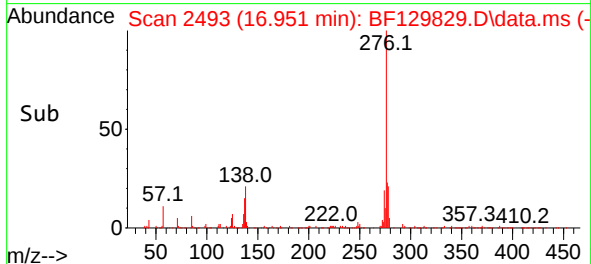
Instrument :
BNA_F
ClientSampleId :
HD-02-081222



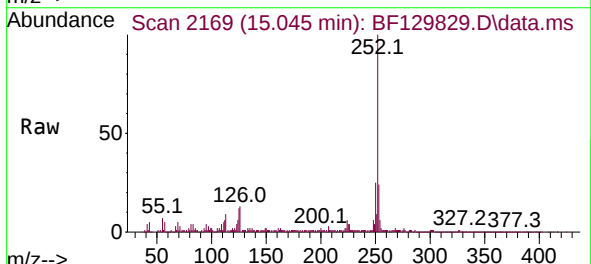
Tgt Ion:276 Resp: 98869
Ion Ratio Lower Upper
276 100
138 20.9 19.8 29.8
277 24.2 20.4 30.6

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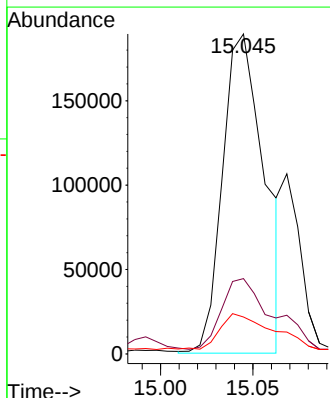
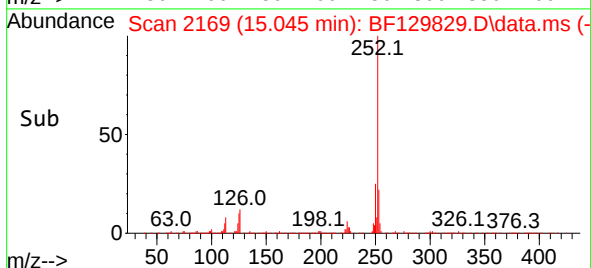
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

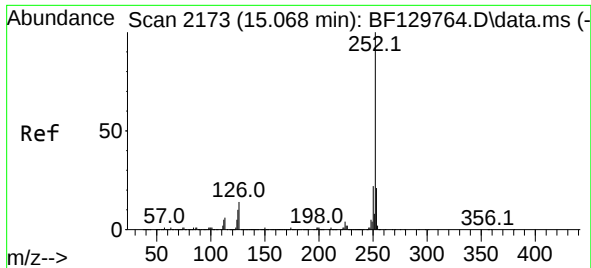


#88
Benzo(b)fluoranthene
Concen: 18.656 ng m
RT: 15.045 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05



Tgt Ion:252 Resp: 297799
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.5 8.3 12.5





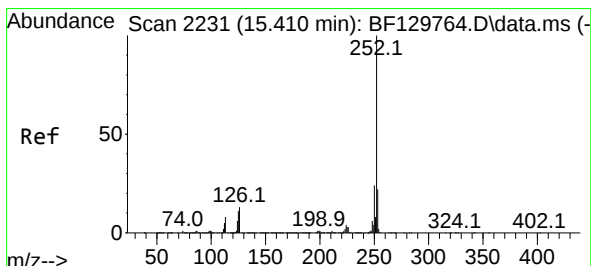
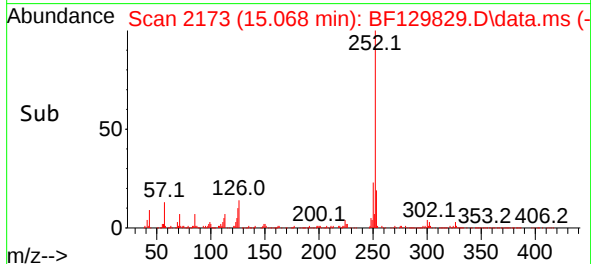
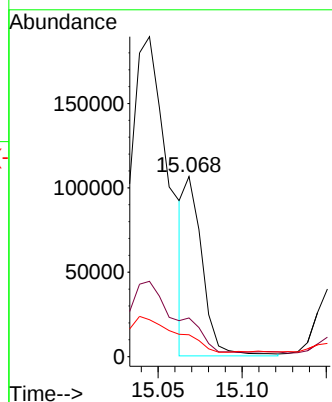
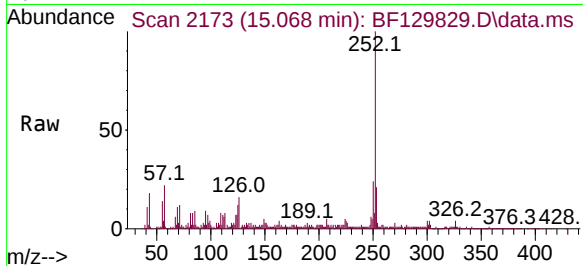
#89
Benzo(k)fluoranthene
Concen: 5.121 ng m
RT: 15.068 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Instrument :
BNA_F
ClientSampleId :
HD-02-081222

Tgt Ion:252 Resp: 78398
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 12.1 8.3 12.5

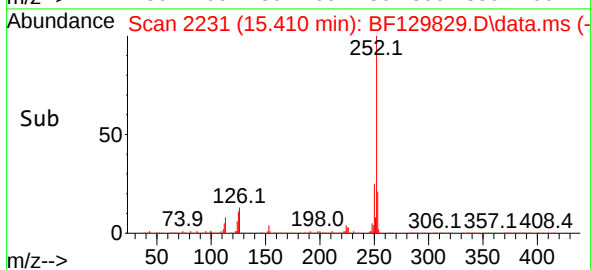
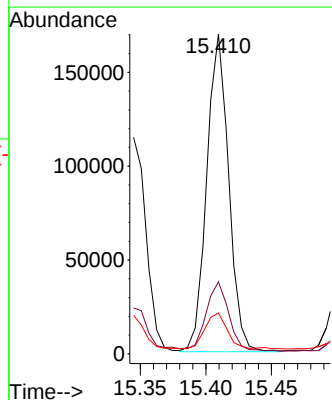
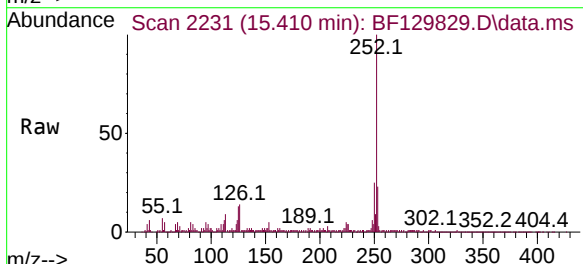
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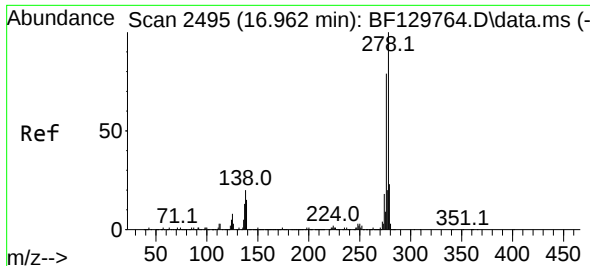
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#90
Benzo(a)pyrene
Concen: 15.679 ng
RT: 15.410 min Scan# 2231
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:252 Resp: 197094
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.8 8.8 13.2





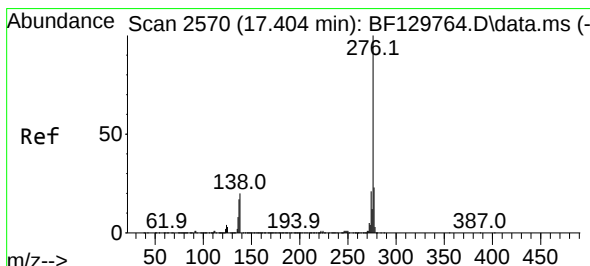
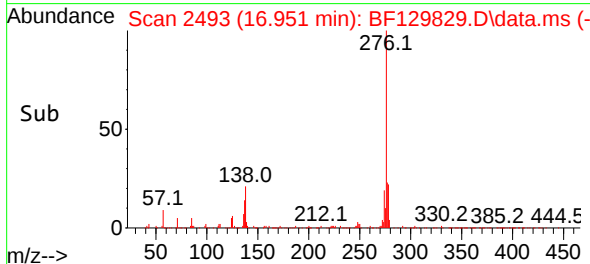
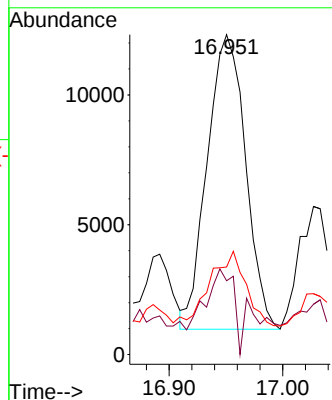
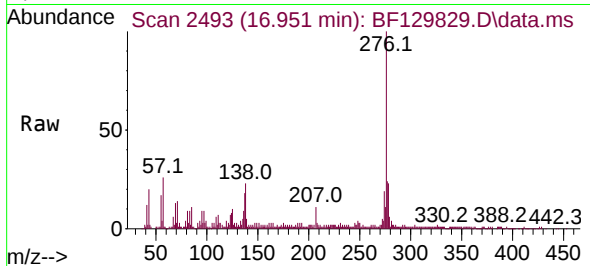
#91
Dibenzo(a,h)anthracene
Concen: 2.017 ng
RT: 16.951 min Scan# 2493
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Instrument :
BNA_F
ClientSampleId :
HD-02-081222

Tgt Ion:278 Resp: 26632
Ion Ratio Lower Upper
278 100
139 23.1 12.2 18.4
279 27.4 18.7 28.1

Manual Integrations
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Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#92
Benzo(g,h,i)perylene
Concen: 7.029 ng
RT: 17.404 min Scan# 2570
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:276 Resp: 92596
Ion Ratio Lower Upper
276 100
277 25.4 18.2 27.4
138 23.1 15.8 23.8

