

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129841.D
 Acq On : 17 Aug 2022 12:56
 Operator : CG\JU
 Sample : N4189-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB18

Manual Integrations
 APPROVED

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

Quant Time: Aug 17 13:34:36 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	139612	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	521005	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	229455	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	290086	20.000	ng	0.00
76) Chrysene-d12	14.004	240	269840	20.000	ng	0.00
86) Perylene-d12	15.480	264	234272	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	316516	37.537	ng	0.00
7) Phenol-d6	6.481	99	446605	42.294	ng	0.00
23) Nitrobenzene-d5	7.386	82	303768	31.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	49709	21.585	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	539950	35.740	ng	0.00
79) Terphenyl-d14	12.939	244	385475	23.770	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.374	178	150560	9.293	ng	98
75) Fluoranthene	12.568	202	196769	11.869	ng	98
78) Pyrene	12.804	202	186082	7.936	ng	98
81) Benzo(a)anthracene	13.992	228	84587	4.557	ng	99
83) Chrysene	14.033	228	74515	4.288	ng	99
88) Benzo(b)fluoranthene	15.051	252	93770m	5.845	ng	
90) Benzo(a)pyrene	15.415	252	60436	4.784	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	28053	2.119	ng	93

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

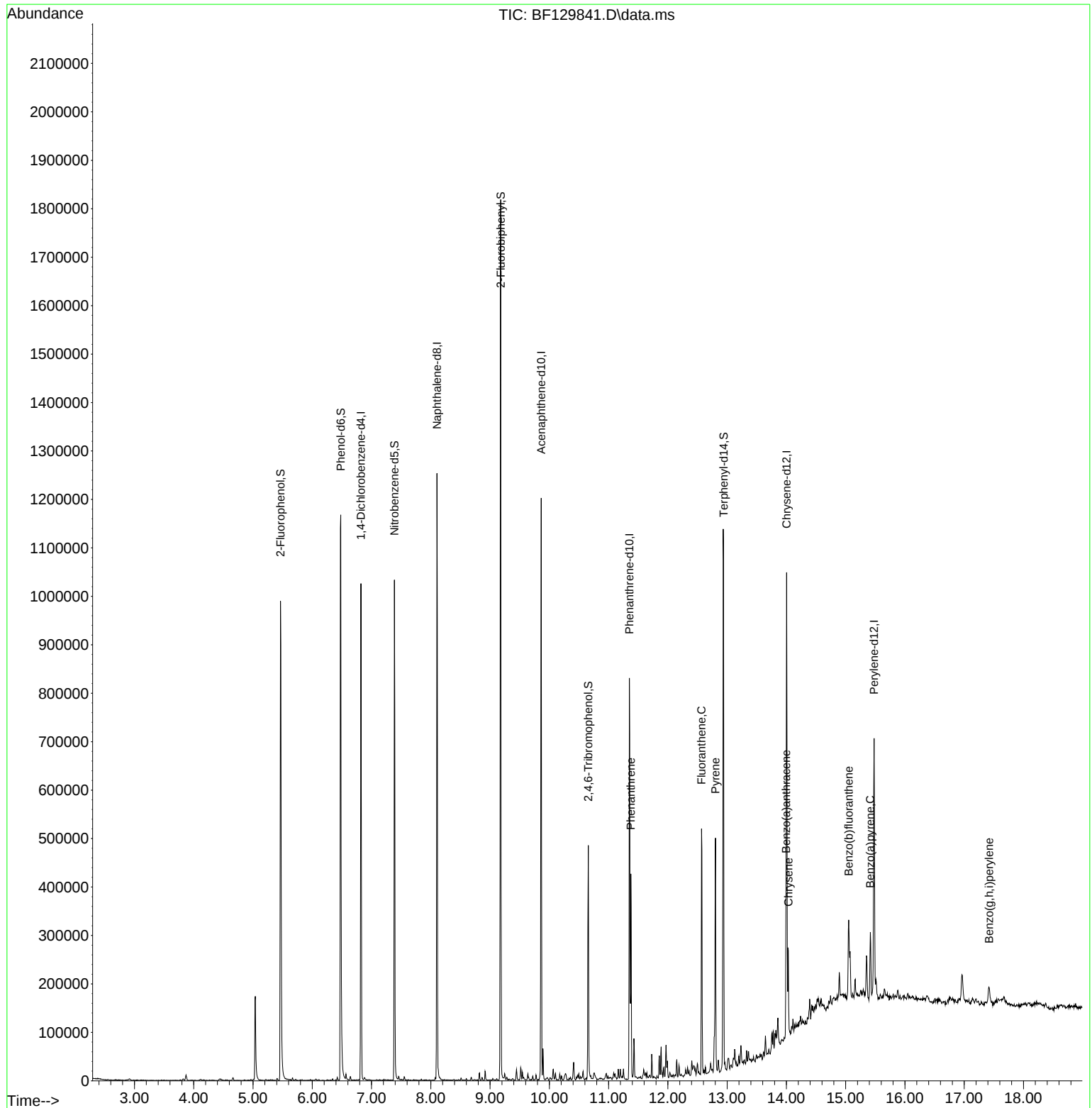
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
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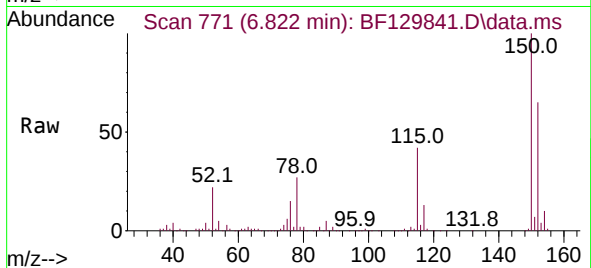
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

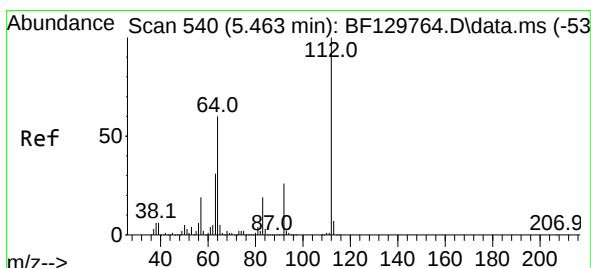
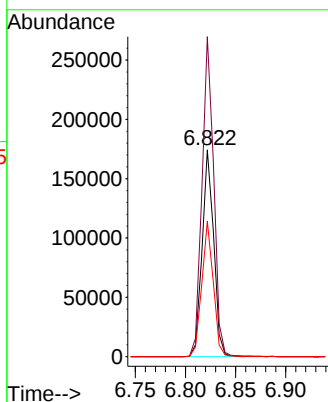
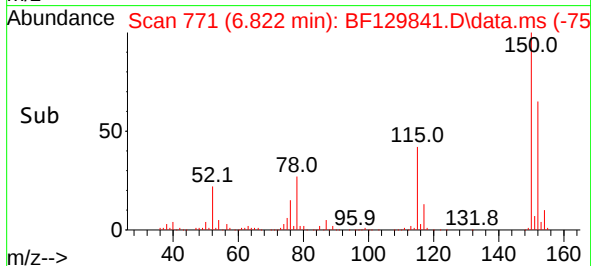
Instrument :
BNA_F
ClientSampleId :
SB18



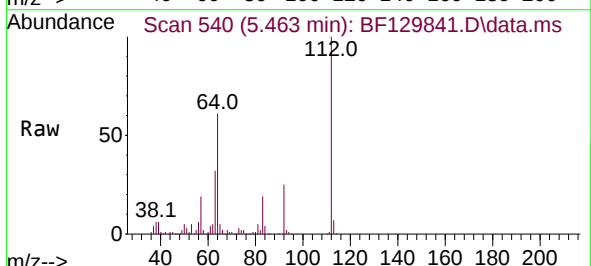
Tgt Ion:152 Resp: 139612
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 65.4 53.4 80.0

Manual Integrations
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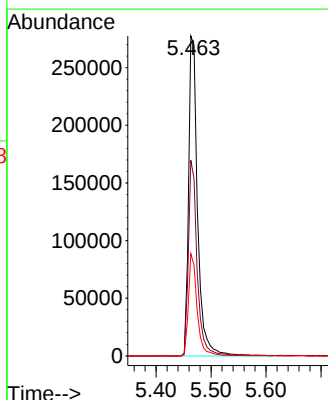
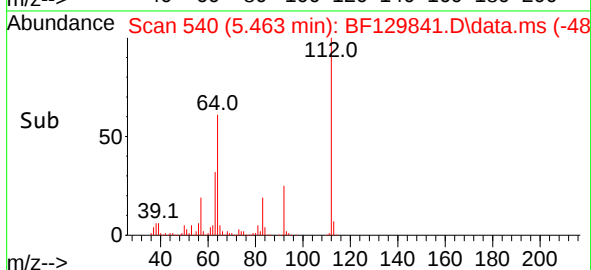
Reviewed By :Christian Giraldo 08/18/2022
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#5
2-Fluorophenol
Concen: 37.537 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56



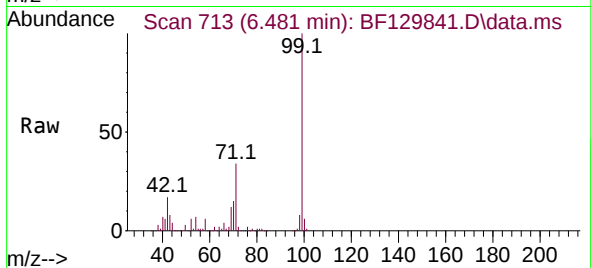
Tgt Ion:112 Resp: 316516
Ion Ratio Lower Upper
112 100
64 61.1 47.6 71.4
63 31.9 24.6 37.0





#7
Phenol-d6
Concen: 42.294 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

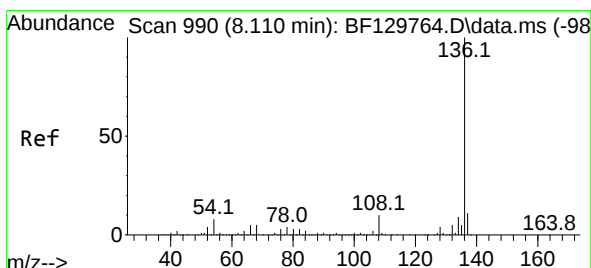
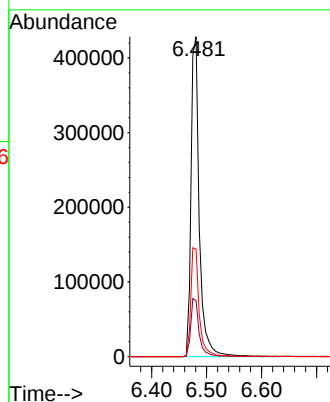
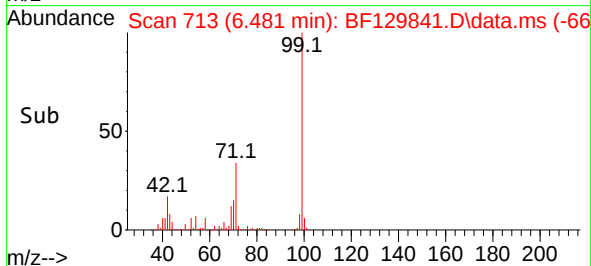
Instrument :
BNA_F
ClientSampleId :
SB18



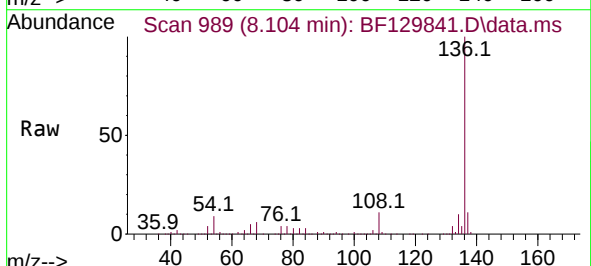
Tgt Ion: 99 Resp: 446605
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.4
71 33.6 28.8 43.2

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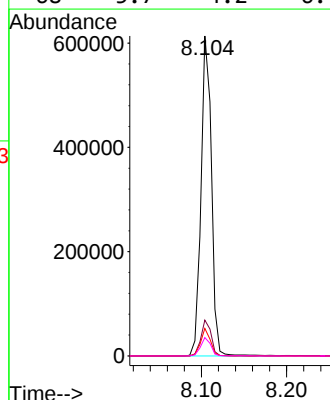
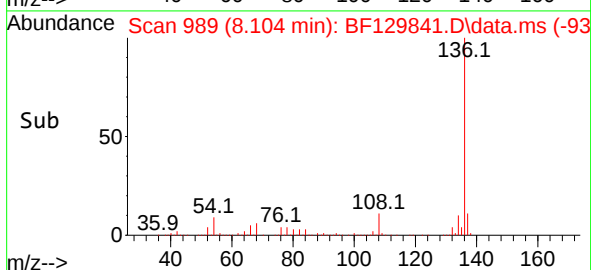
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56



Tgt Ion:136 Resp: 521005
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.6 6.2 9.2
68 5.7 4.2 6.4





#23

Nitrobenzene-d5

Concen: 31.211 ng

RT: 7.386 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

Tgt Ion: 82 Resp: 303768

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

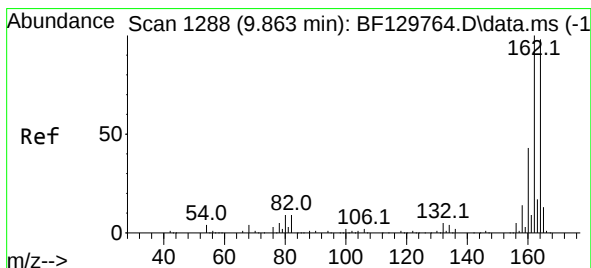
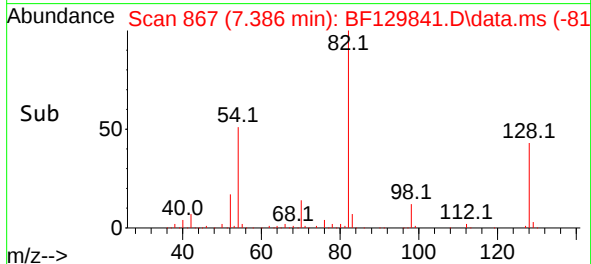
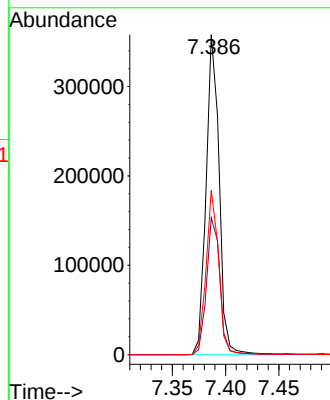
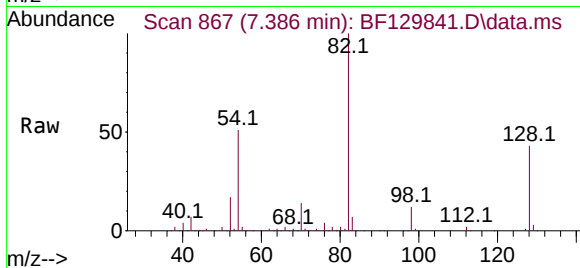
54 51.3 40.0 60.0

Manual Integrations

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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: BF129841.D

Acq: 17 Aug 2022 12:56

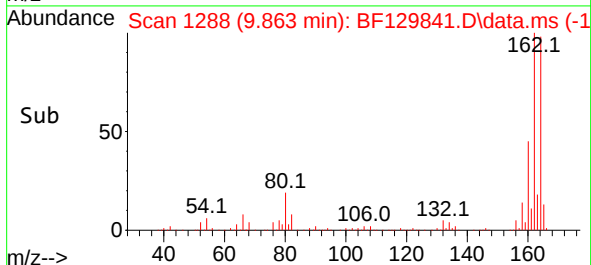
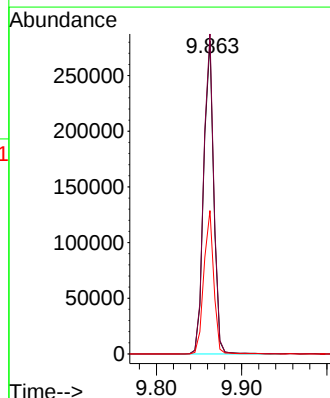
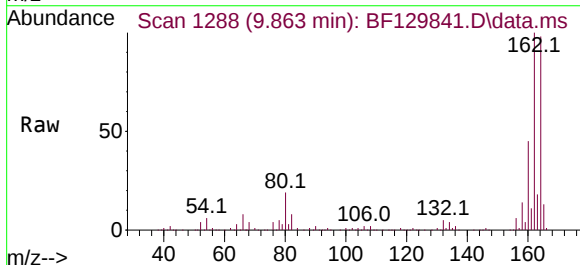
Tgt Ion:164 Resp: 229455

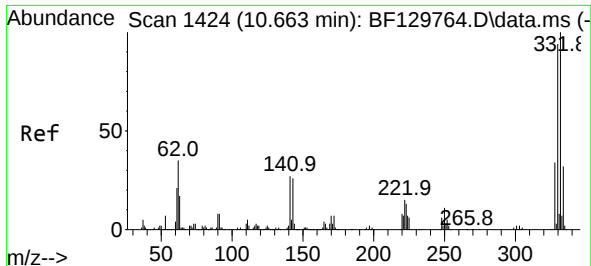
Ion Ratio Lower Upper

164 100

162 102.3 82.0 123.0

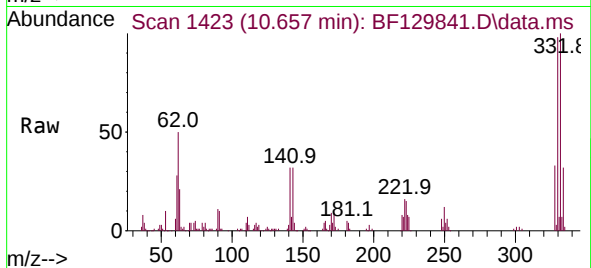
160 45.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 21.585 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

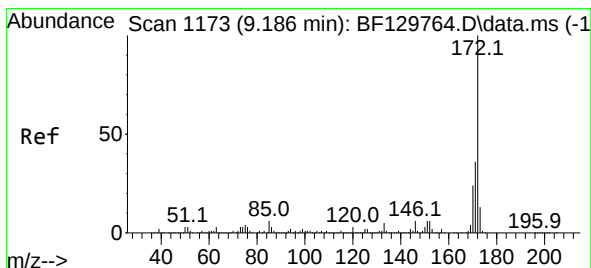
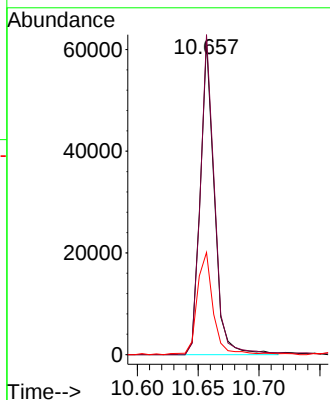
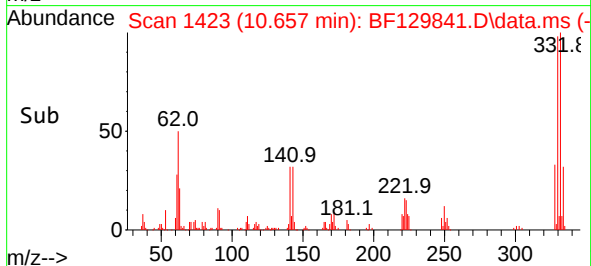
Instrument :
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ClientSampleId :
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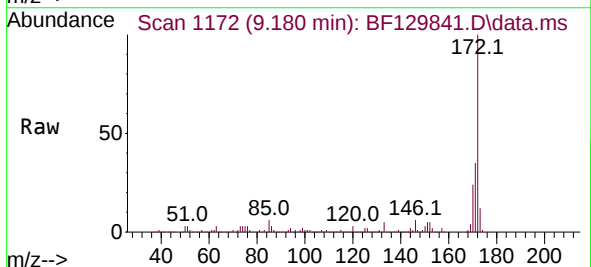
Tgt Ion: 330 Resp: 49709
Ion Ratio Lower Upper
330 100
332 101.9 82.6 124.0
141 37.5 27.6 41.4

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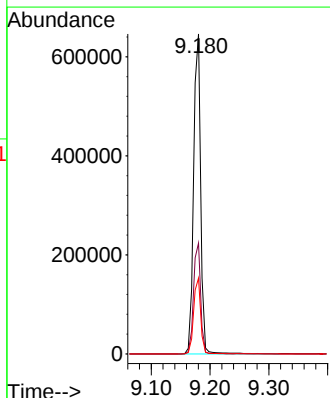
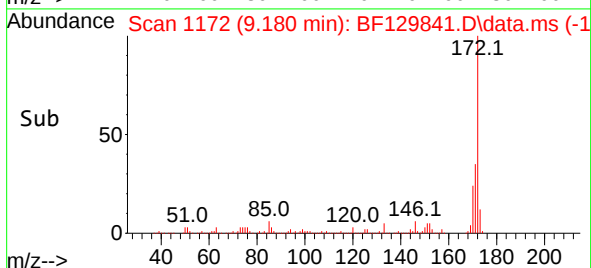
Reviewed By : Christian Giraldo 08/18/2022
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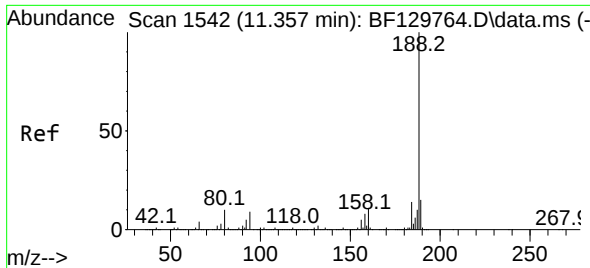


#45
2-Fluorobiphenyl
Concen: 35.740 ng
RT: 9.180 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56



Tgt Ion: 172 Resp: 539950
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.7 19.1 28.7





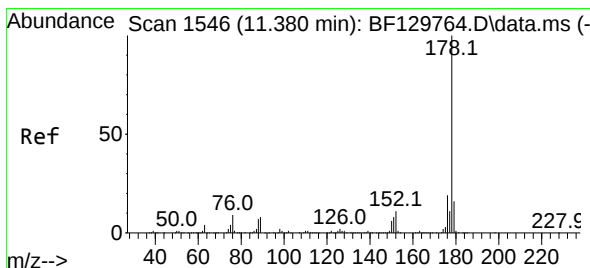
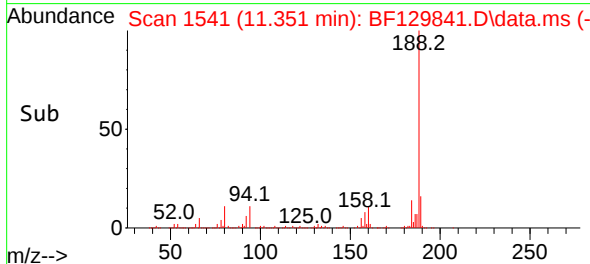
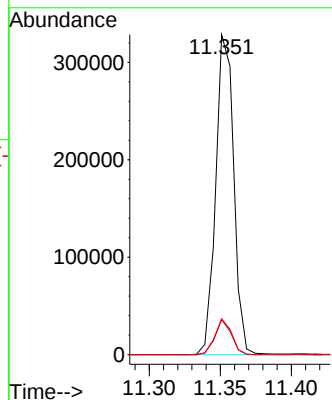
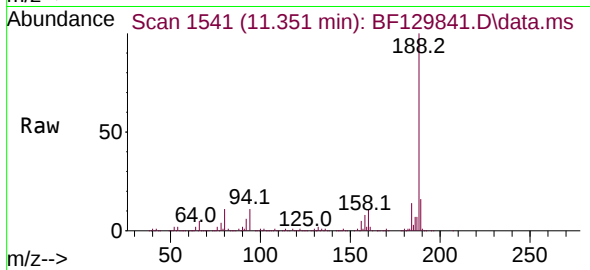
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

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Tgt Ion:188 Resp: 290086
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.2 7.9 11.9

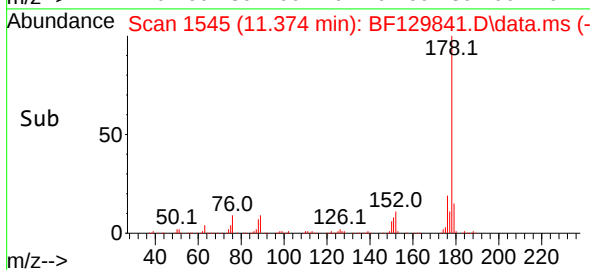
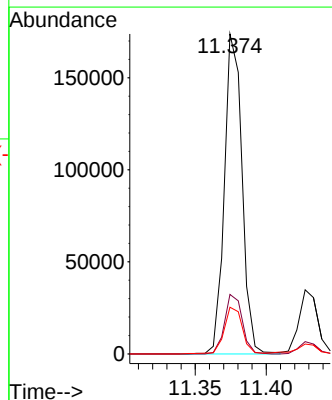
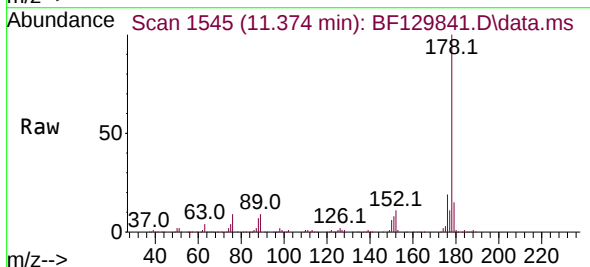
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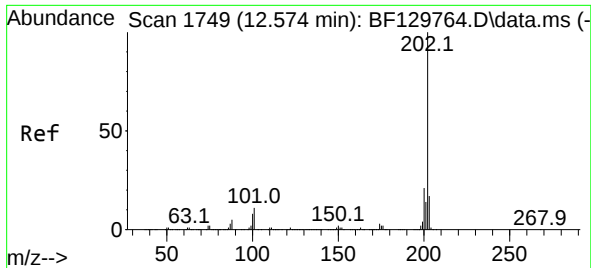
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022



#71
Phenanthrene
Concen: 9.293 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

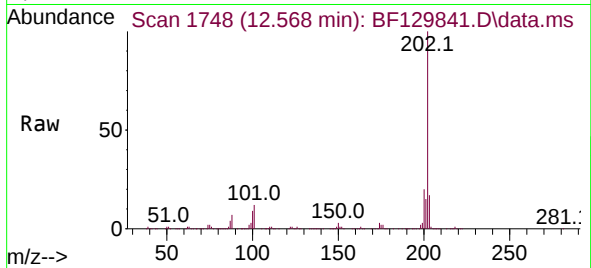
Tgt Ion:178 Resp: 150560
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 14.6 12.5 18.7





#75
Fluoranthene
Concen: 11.869 ng
RT: 12.568 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

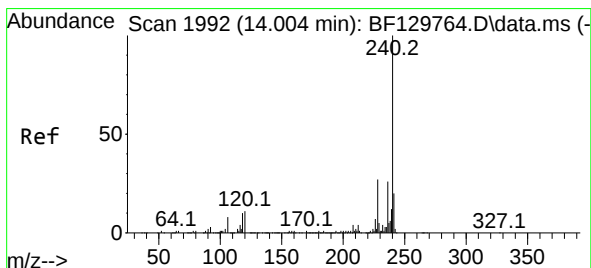
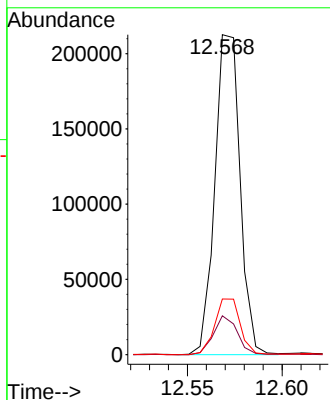
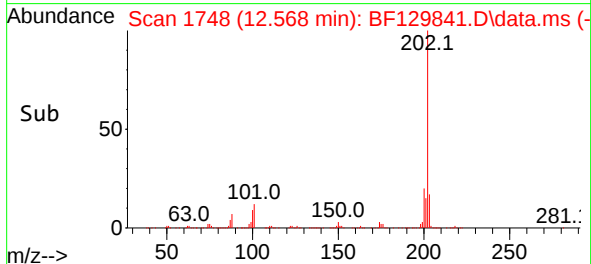
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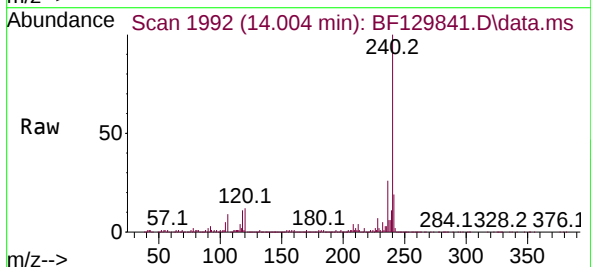
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Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 17.4 0.0 37.5

Manual Integrations
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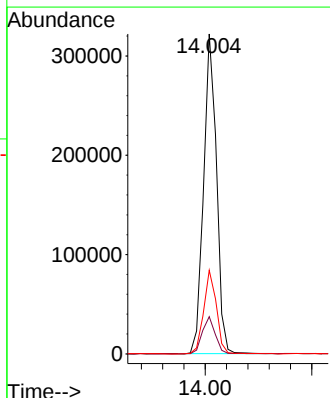
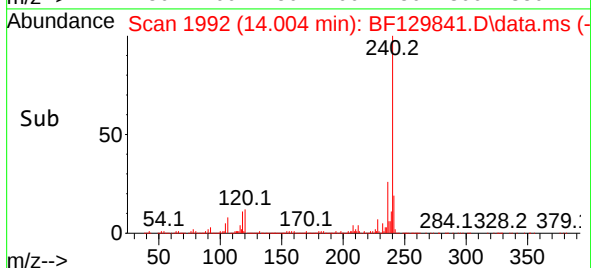
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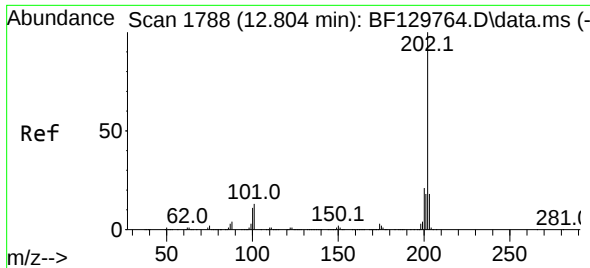


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56



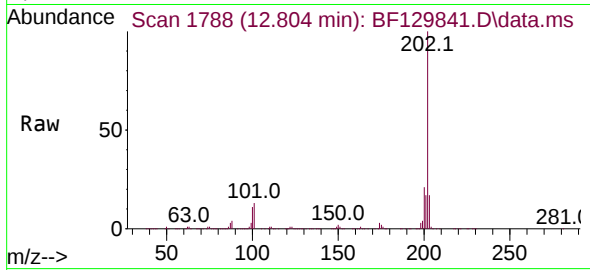
Tgt Ion:240 Resp: 269840
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 26.1 20.7 31.1





#78
Pyrene
Concen: 7.936 ng
RT: 12.804 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

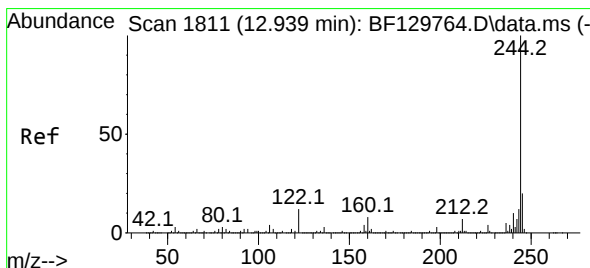
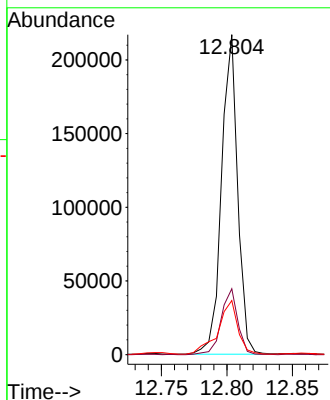
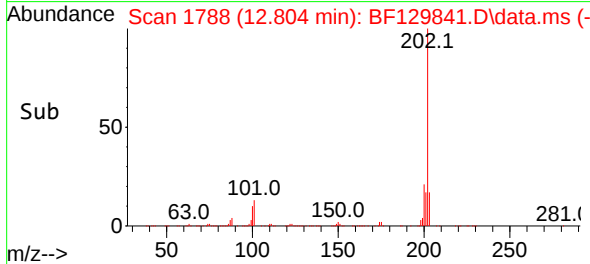
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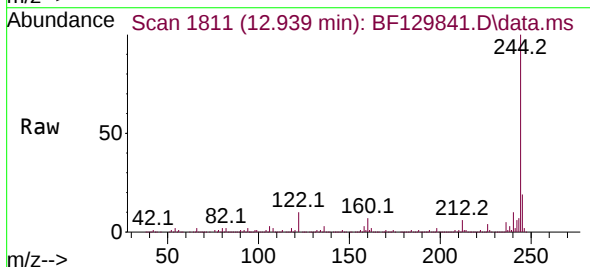
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Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.6
203 16.9 14.1 21.1

Manual Integrations
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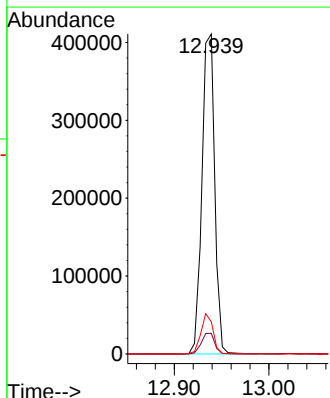
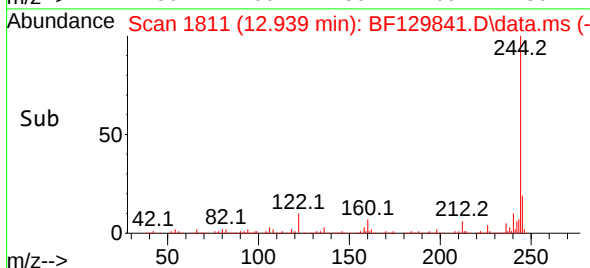
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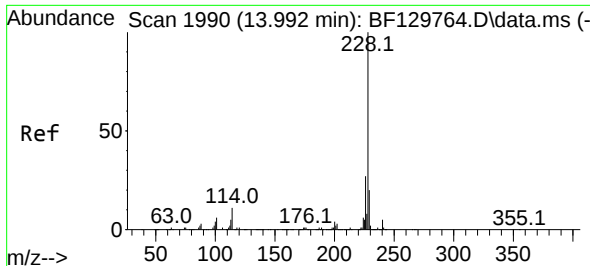


#79
Terphenyl-d14
Concen: 23.770 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56



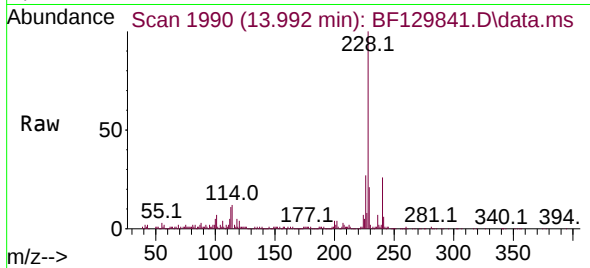
Tgt Ion:244 Resp: 385475
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 10.1 9.9 14.9





#81
Benzo(a)anthracene
Concen: 4.557 ng
RT: 13.992 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56

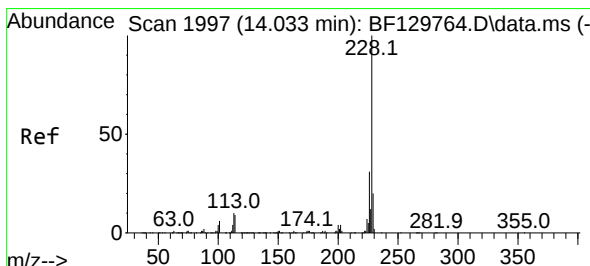
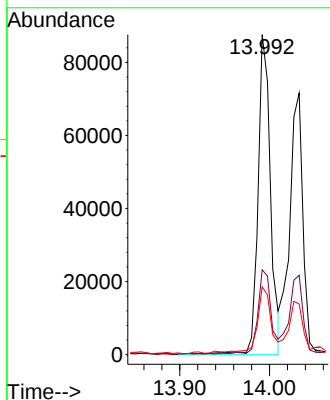
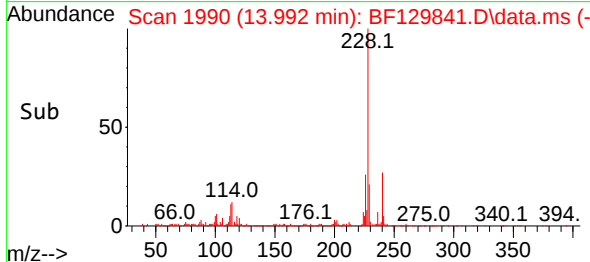
Instrument :
BNA_F
ClientSampleId :
SB18



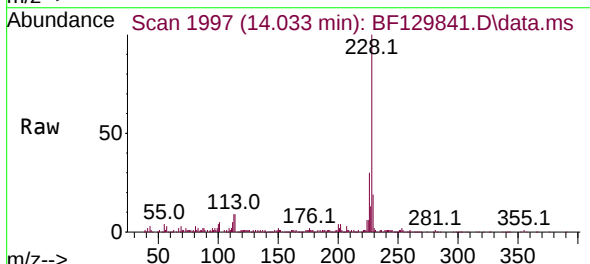
Tgt Ion:228 Resp: 84587
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.0
229 21.2 16.1 24.1

Manual Integrations
APPROVED

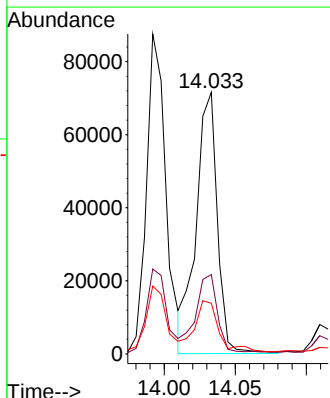
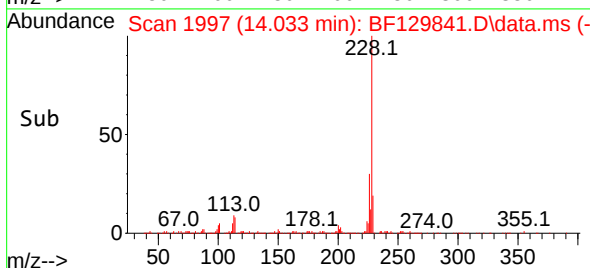
Reviewed By :Christian Giraldo 08/18/2022
Supervised By :Jagrut Upadhyay 08/18/2022

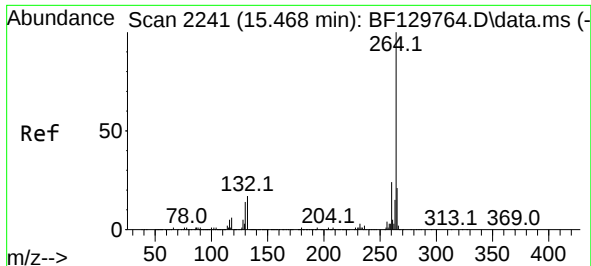


#83
Chrysene
Concen: 4.288 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF129841.D
Acq: 17 Aug 2022 12:56



Tgt Ion:228 Resp: 74515
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 19.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2170

Delta R.T. 0.012 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

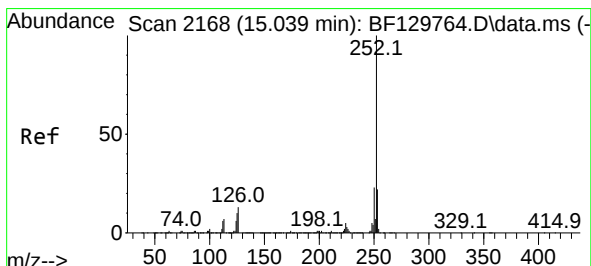
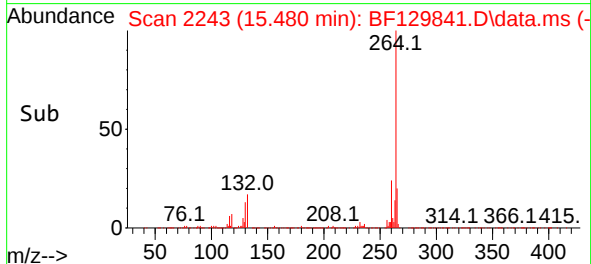
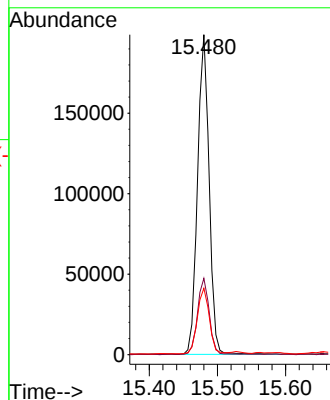
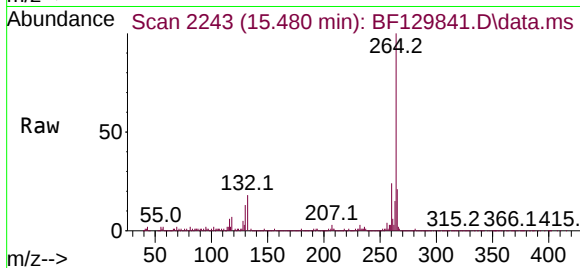
SB18

Tgt Ion:264 Resp: 234272
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 20.7 16.7 25.1

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 5.845 ng m

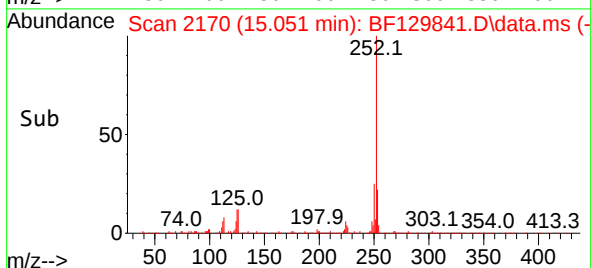
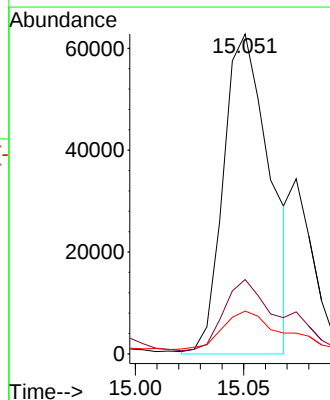
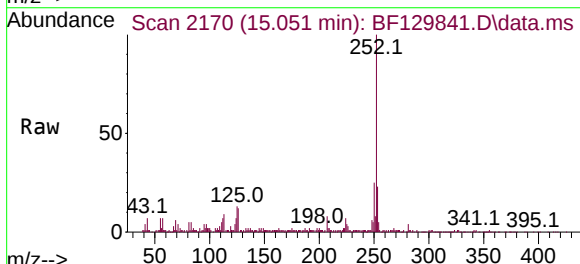
RT: 15.051 min Scan# 2170

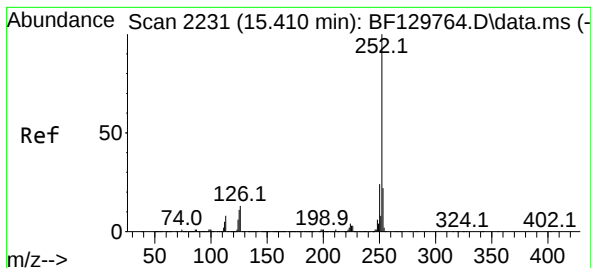
Delta R.T. 0.012 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Tgt Ion:252 Resp: 93770
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 13.4 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.784 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SB18

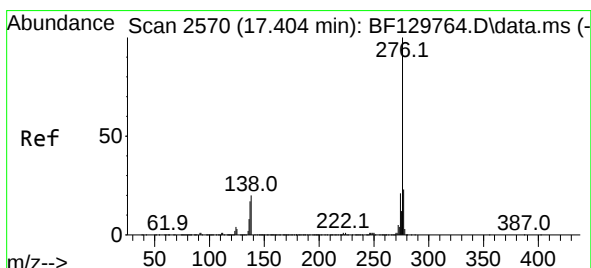
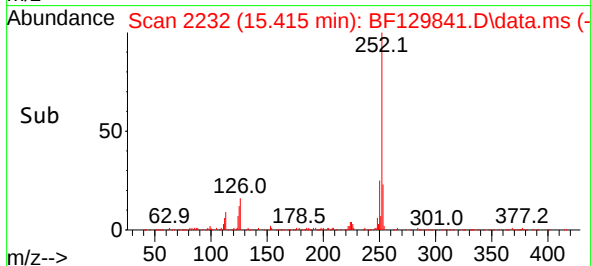
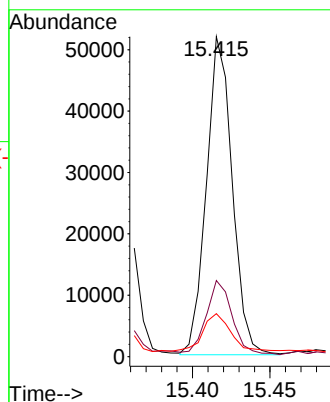
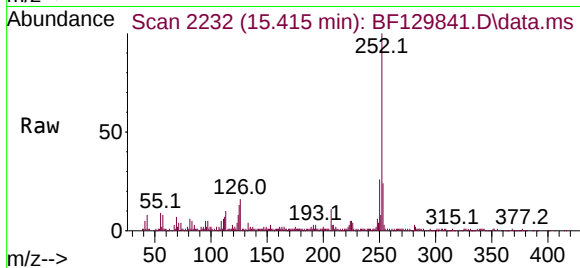
Tgt Ion:	252	Resp:	60436
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.2	25.8
125	13.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/18/2022

Supervised By :Jagrut Upadhyay 08/18/2022



#92

Benzo(g,h,i)perylene

Concen: 2.119 ng

RT: 17.421 min Scan# 2573

Delta R.T. 0.018 min

Lab File: BF129841.D

Acq: 17 Aug 2022 12:56

Tgt Ion:	276	Resp:	28053
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.2	27.4
138	23.3	15.8	23.8

