

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128437.D
 Acq On : 24 May 2022 16:17
 Operator : CG\JU
 Sample : N2981-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0.5-1)

Quant Time: May 25 03:55:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	91643	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	357147	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	192886	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	330835	20.000	ng	0.00
76) Chrysene-d12	14.021	240	203266	20.000	ng	#-0.01
86) Perylene-d12	15.510	264	212437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	549612	95.440	ng	0.00
7) Phenol-d6	6.481	99	715890	94.407	ng	-0.01
23) Nitrobenzene-d5	7.410	82	505576	63.426	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	166469	83.685	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	782093	66.308	ng	0.00
79) Terphenyl-d14	12.963	244	678983	64.483	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	37065	2.296	ng	99
75) Fluoranthene	12.592	202	74520	4.262	ng	98
78) Pyrene	12.822	202	66166	4.348	ng	98
81) Benzo(a)anthracene	14.016	228	41143	3.181	ng	99
83) Chrysene	14.051	228	37924	3.079	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	27266	2.249	ng	98
88) Benzo(b)fluoranthene	15.074	252	55391m	4.192	ng	
90) Benzo(a)pyrene	15.445	252	37764	3.560	ng	99
92) Benzo(g,h,i)perylene	17.474	276	24075	2.372	ng	96

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

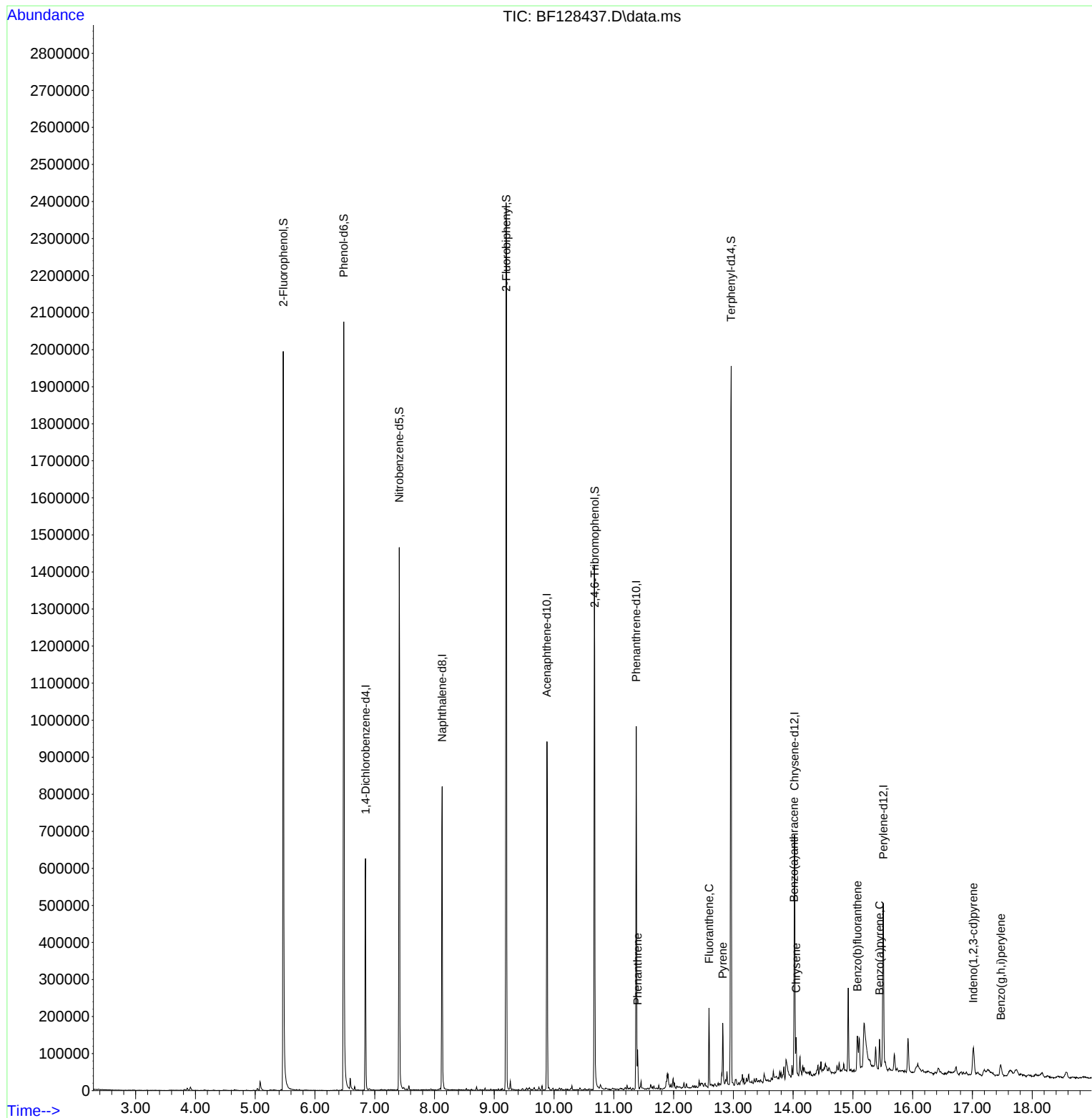
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
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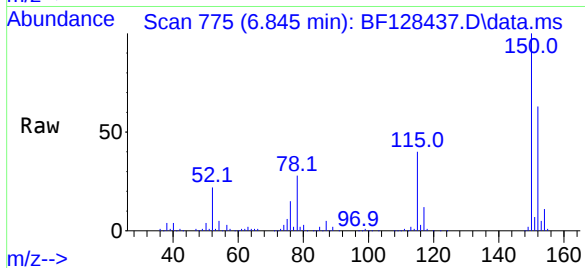
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Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

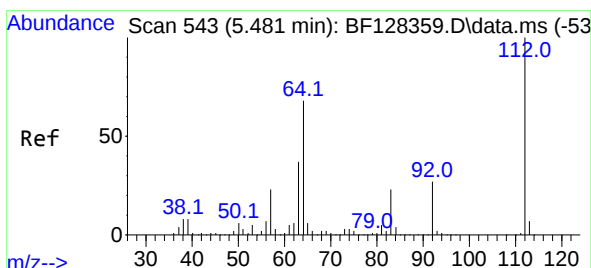
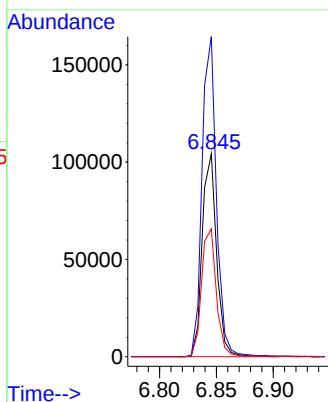
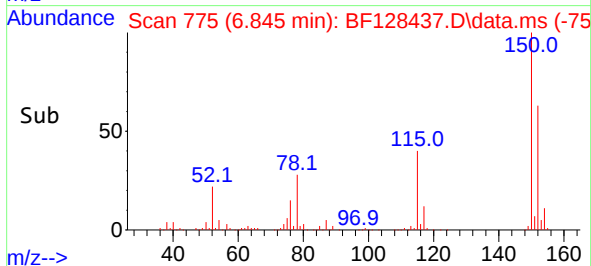
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



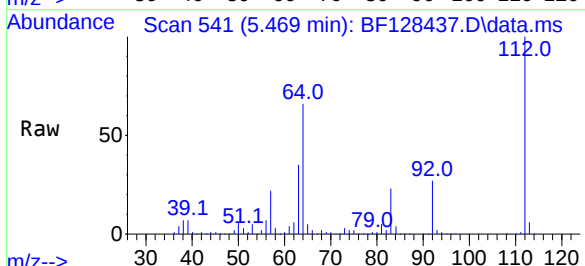
Tgt Ion:152 Resp: 9164
Ion Ratio Lower Upper
152 100
150 157.7 125.3 187.9
115 63.0 48.8 73.2

Manual Integrations
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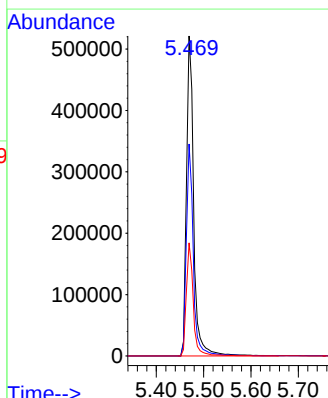
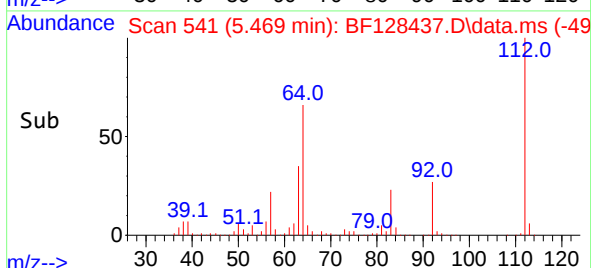
Reviewed By :Christian Giraldo 05/25/2022
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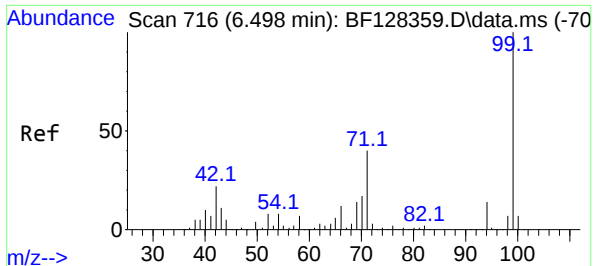


#5
2-Fluorophenol
Concen: 95.440 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



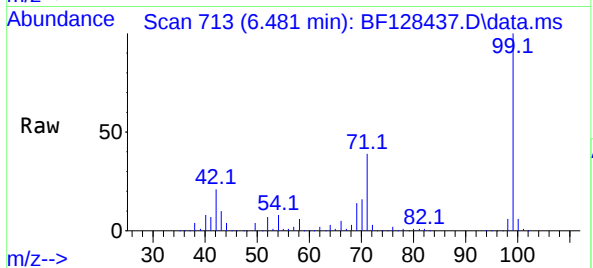
Tgt Ion:112 Resp: 549612
Ion Ratio Lower Upper
112 100
64 66.3 49.5 74.3
63 35.4 26.3 39.5





#7
Phenol-d6
Concen: 94.407 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

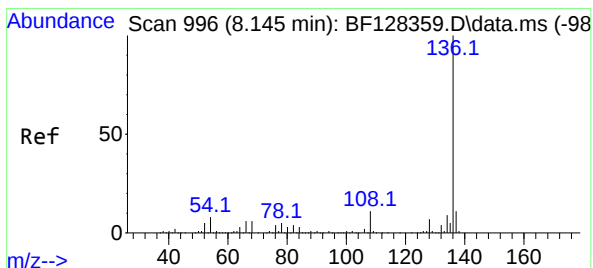
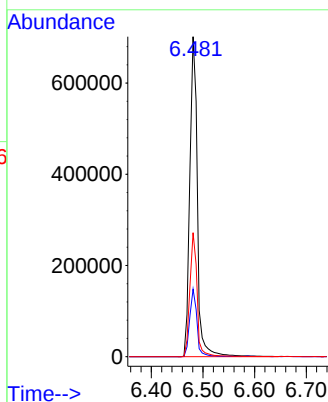
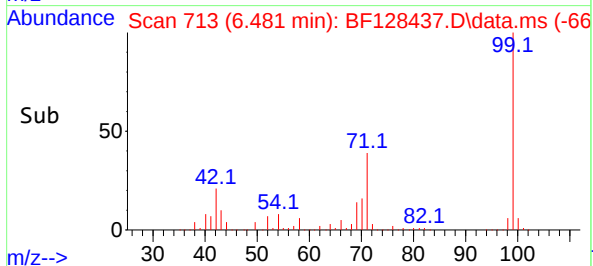
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



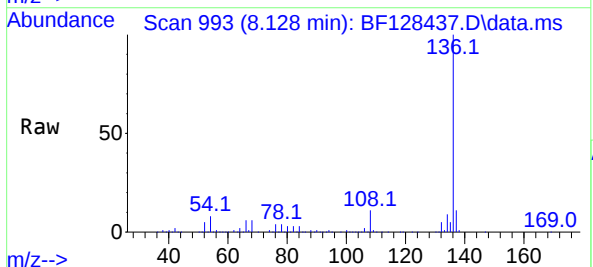
Tgt Ion: 99 Resp: 715890
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 38.7 30.0 45.0

Manual Integrations
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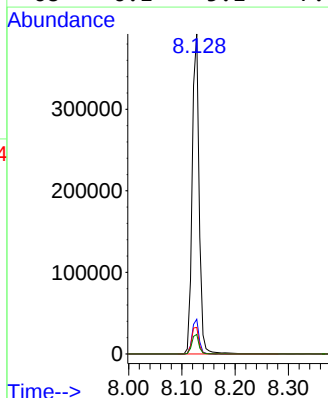
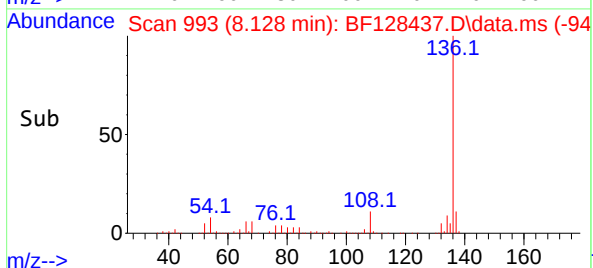
Reviewed By :Christian Giraldo 05/25/2022
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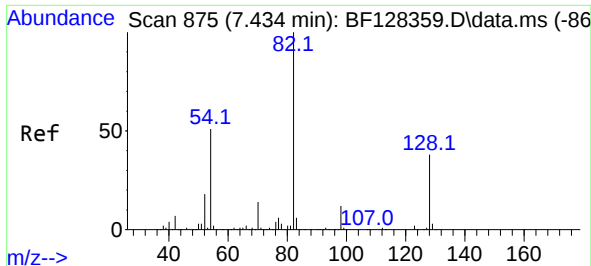


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



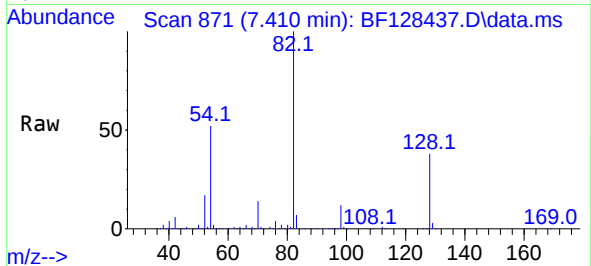
Tgt Ion:136 Resp: 357147
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.8 10.2
68 6.1 5.1 7.7





#23
Nitrobenzene-d5
Concen: 63.426 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

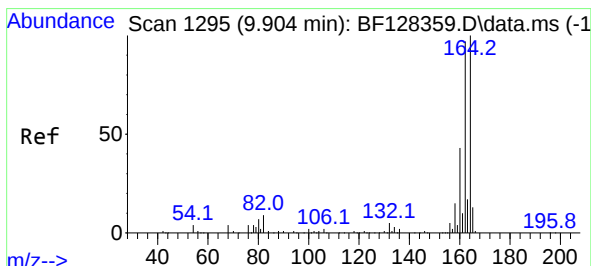
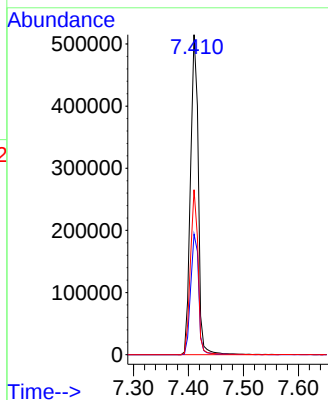
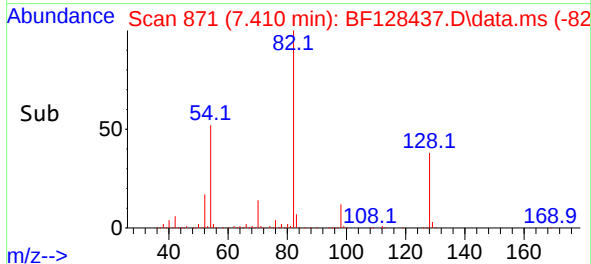
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



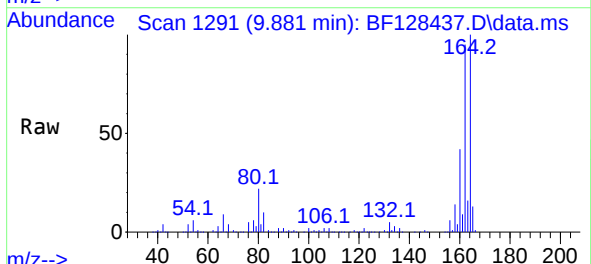
Tgt Ion: 82 Resp: 505570
Ion Ratio Lower Upper
82 100
128 37.7 30.0 45.0
54 51.5 41.3 61.9

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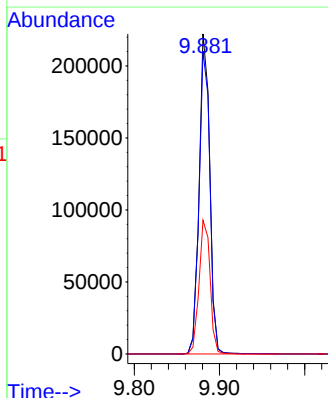
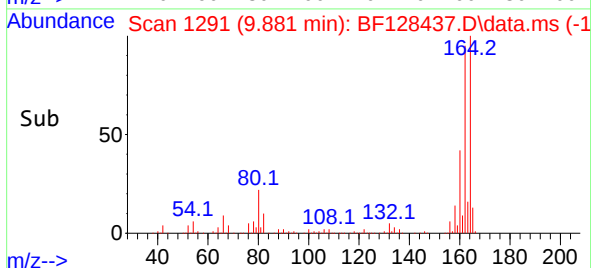
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Supervised By :Jagrut Upadhyay 05/25/2022

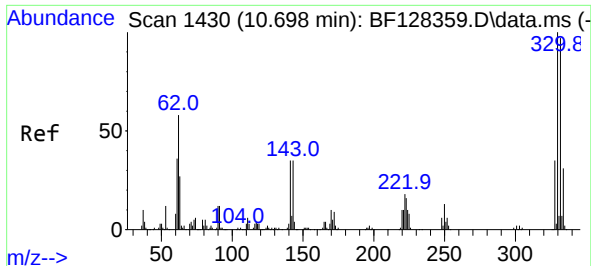


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



Tgt Ion:164 Resp: 192886
Ion Ratio Lower Upper
164 100
162 94.6 76.0 114.0
160 41.8 34.8 52.2





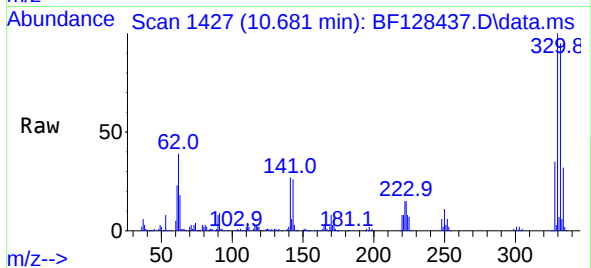
#42
2,4,6-Tribromophenol
Concen: 83.685 ng
RT: 10.681 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Instrument :

BNA_F

ClientSampleId :

SB-9(0.5-1)

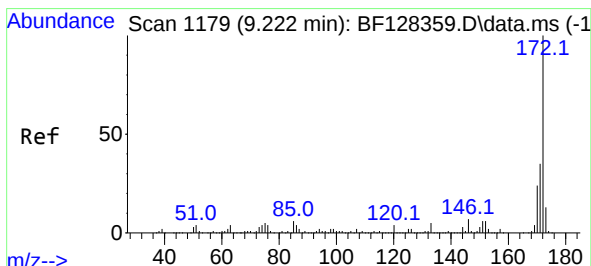
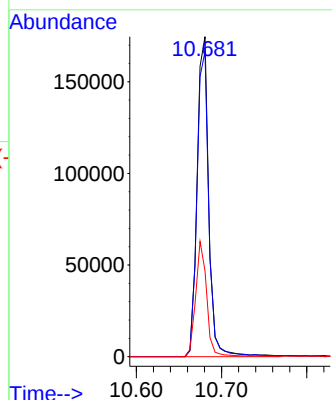
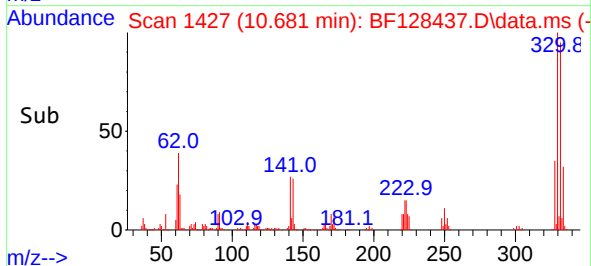


Tgt Ion: 330 Resp: 166469
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.4
141 34.4 28.9 43.3

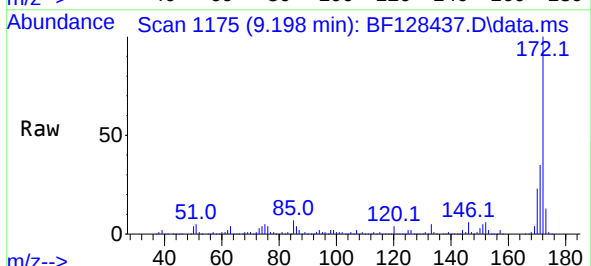
Manual Integrations

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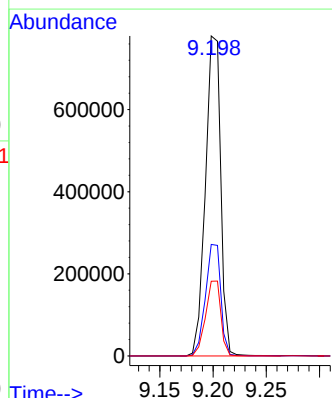
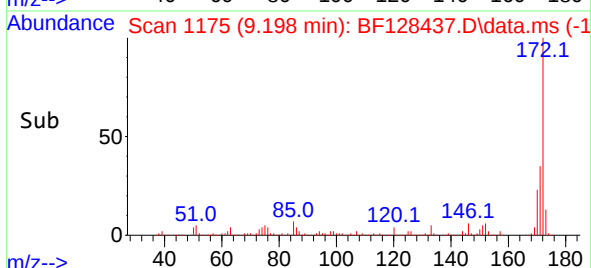
Reviewed By : Christian Giraldo 05/25/2022
Supervised By : Jagrut Upadhyay 05/25/2022



#45
2-Fluorobiphenyl
Concen: 66.308 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



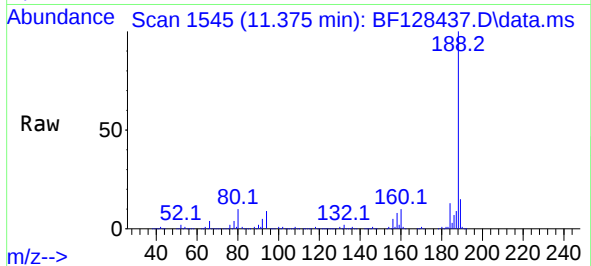
Tgt Ion: 172 Resp: 782093
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

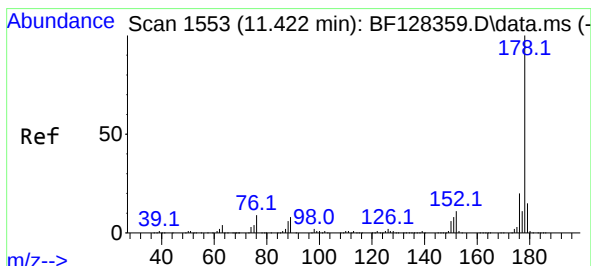
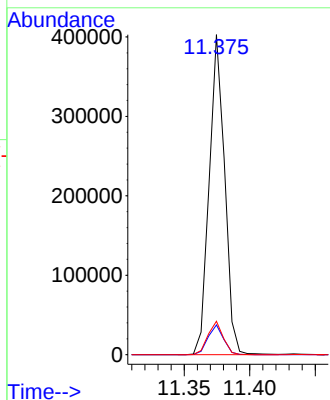
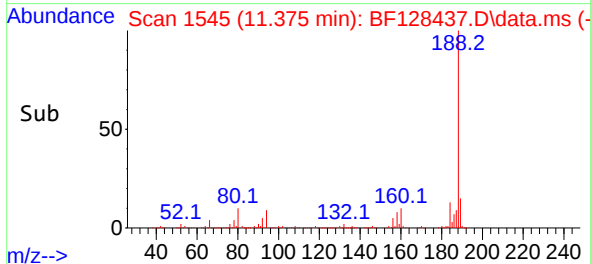
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



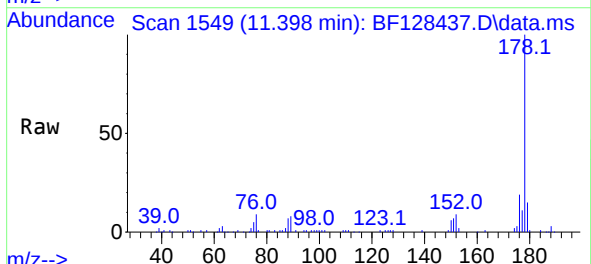
Tgt Ion:188 Resp: 330835
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 10.5 8.9 13.3

Manual Integrations
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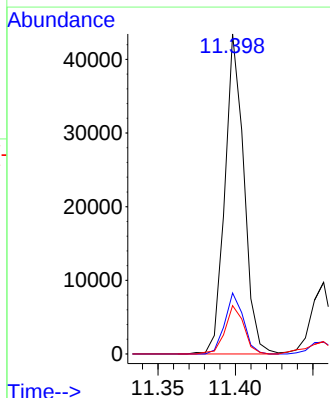
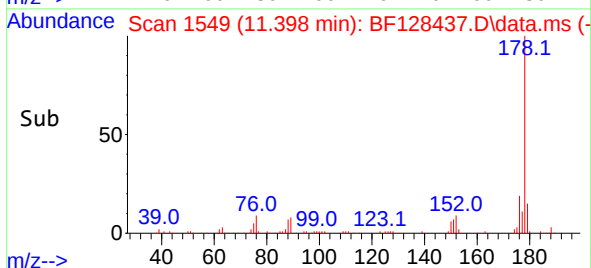
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

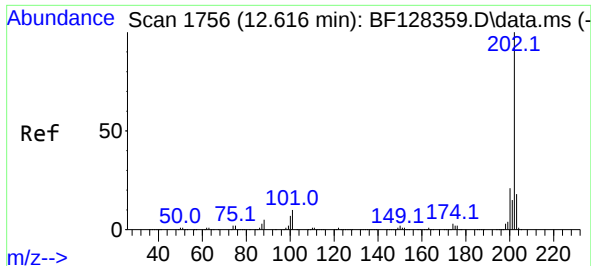


#71
Phenanthrene
Concen: 2.296 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



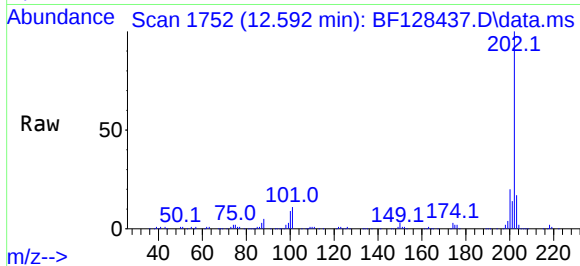
Tgt Ion:178 Resp: 37065
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 4.262 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

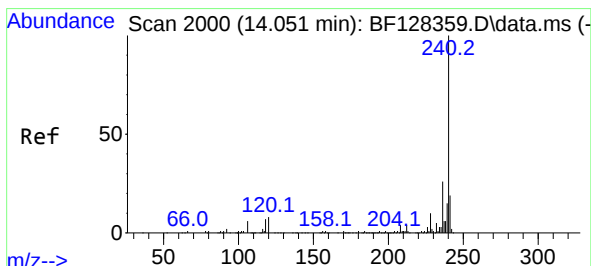
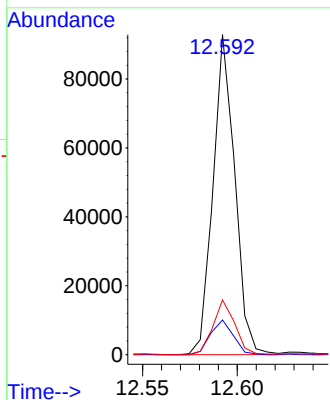
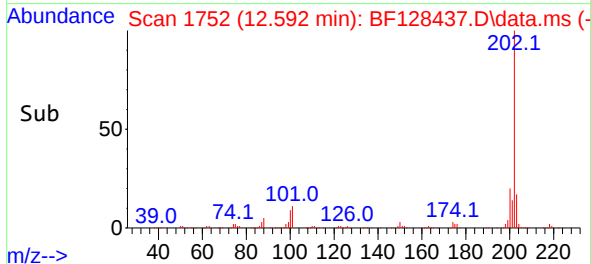
Instrument :
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ClientSampleId :
SB-9(0.5-1)



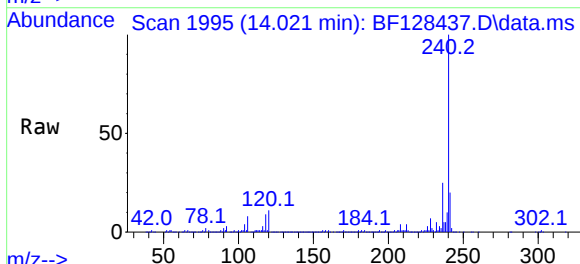
Tgt Ion:202 Resp: 74520
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.6
203 17.1 0.0 38.1

Manual Integrations
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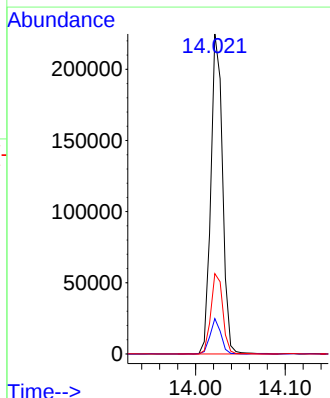
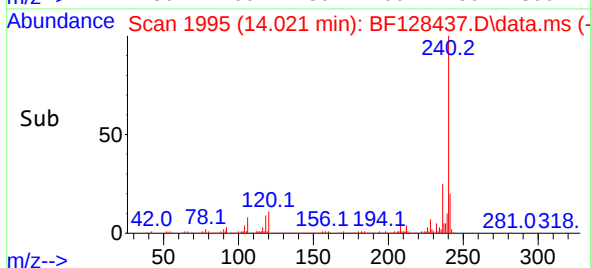
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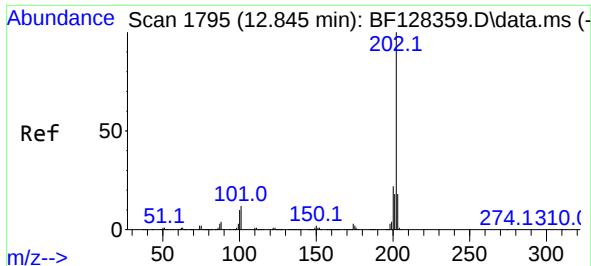


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



Tgt Ion:240 Resp: 203266
Ion Ratio Lower Upper
240 100
120 11.1 7.0 10.6#
236 25.1 20.3 30.5





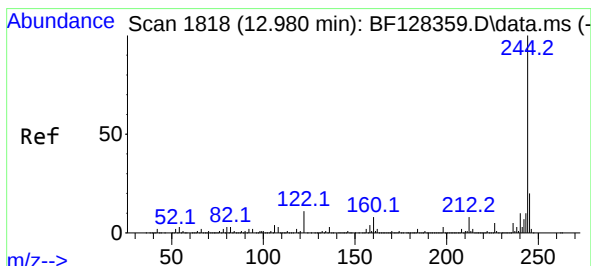
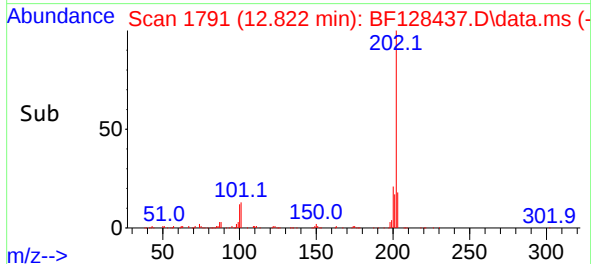
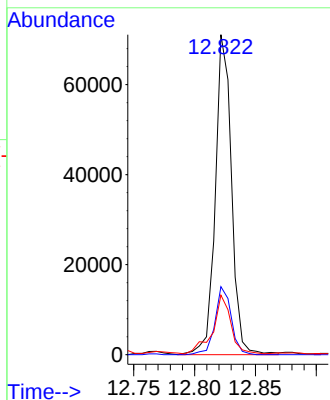
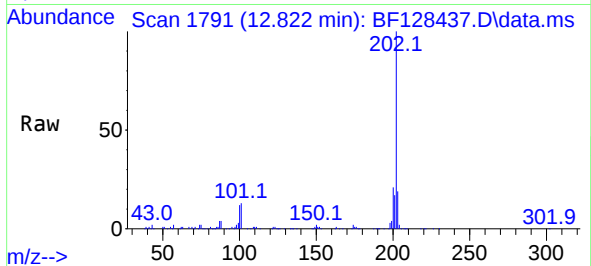
#78
Pyrene
Concen: 4.348 ng
RT: 12.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)

Tgt Ion:202 Resp: 66160
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.6 14.0 21.0

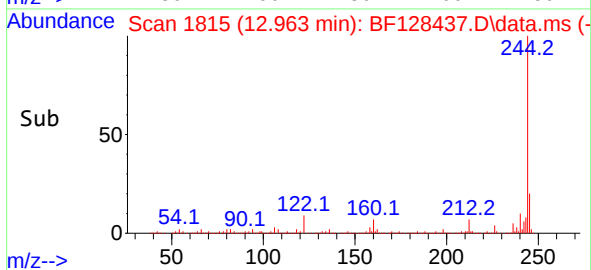
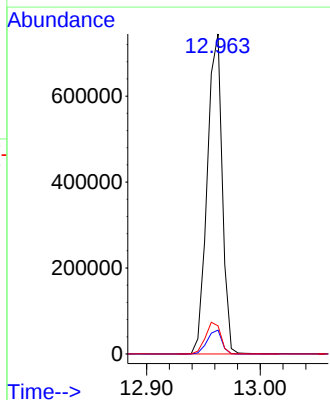
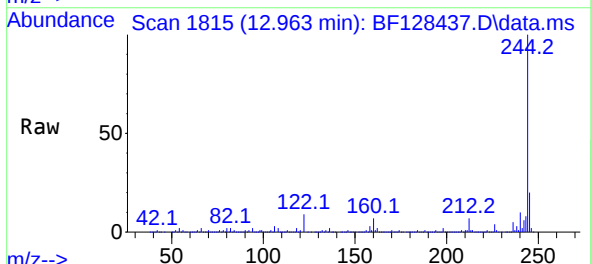
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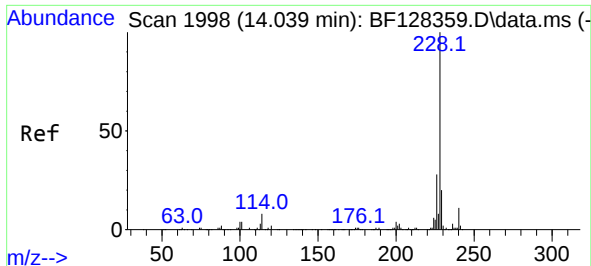
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#79
Terphenyl-d14
Concen: 64.483 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

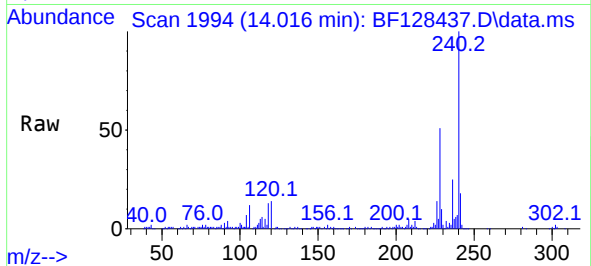
Tgt Ion:244 Resp: 678983
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 8.8 8.6 12.8





#81
Benzo(a)anthracene
Concen: 3.181 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

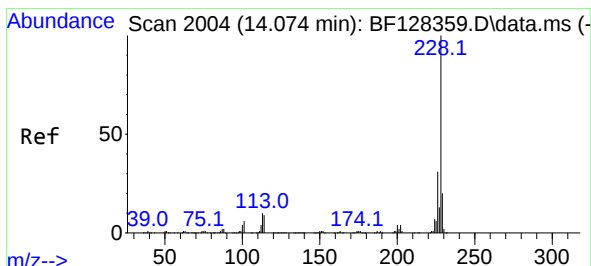
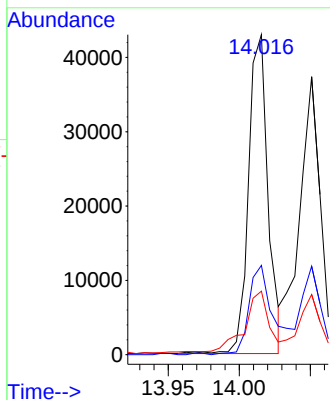
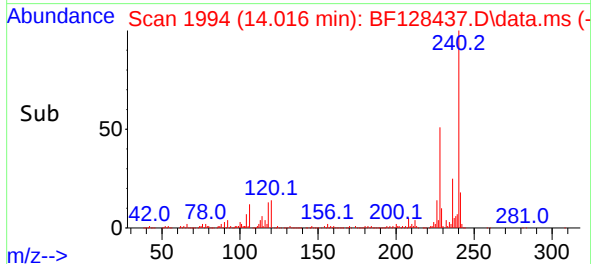
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



Tgt Ion:228 Resp: 4114
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 19.9 15.4 23.2

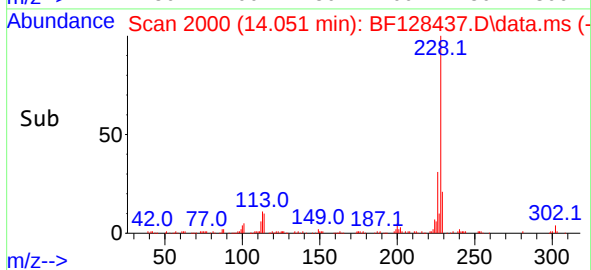
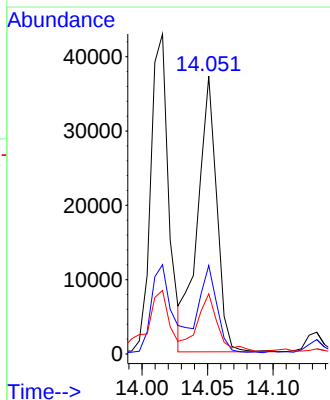
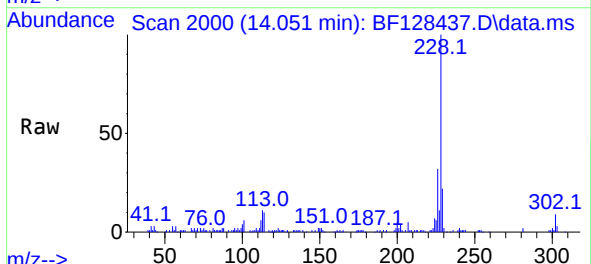
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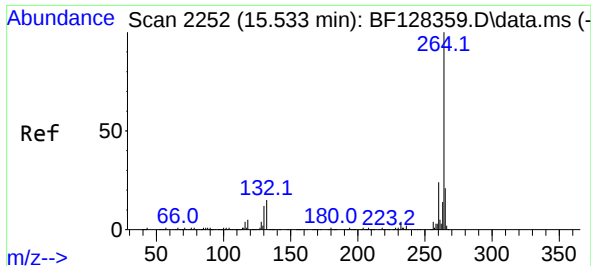
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 3.079 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

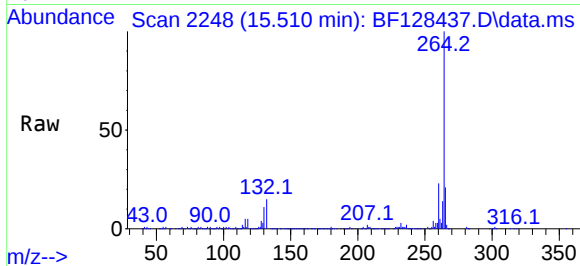
Tgt Ion:228 Resp: 37924
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 21.7 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

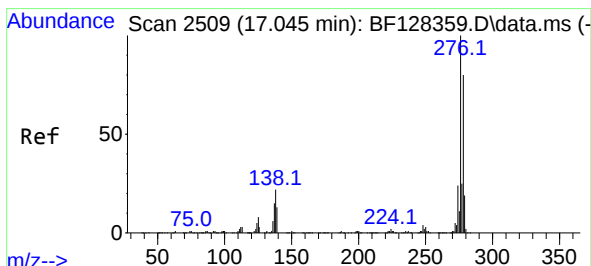
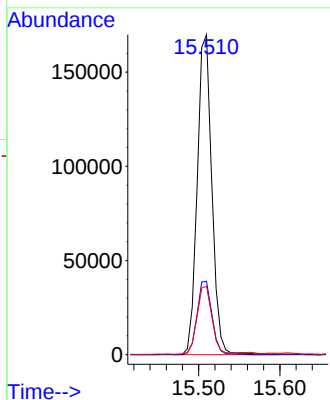
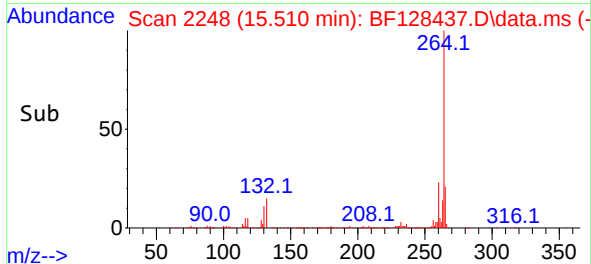
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



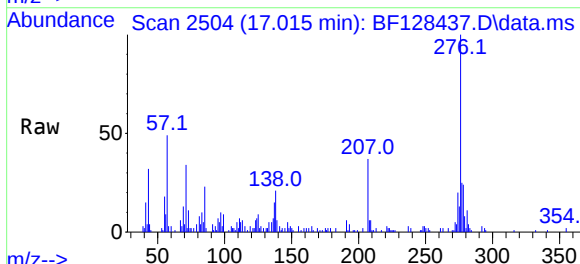
Tgt Ion:264 Resp: 21243
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 21.4 17.5 26.3

Manual Integrations
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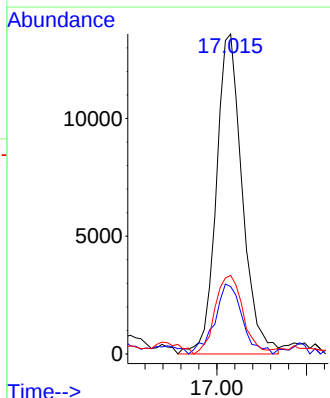
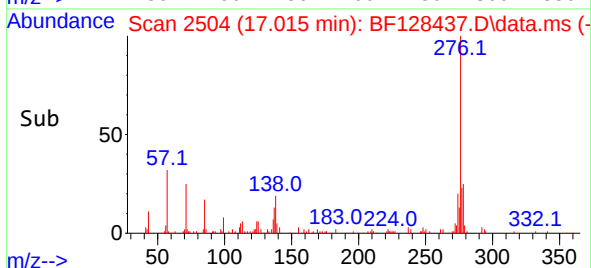
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

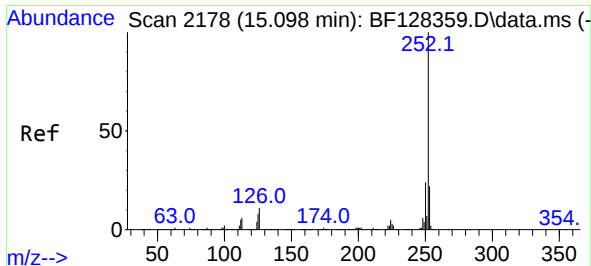


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.249 ng
RT: 17.015 min Scan# 2504
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



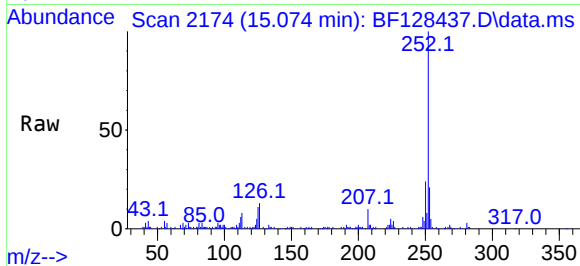
Tgt Ion:276 Resp: 27266
Ion Ratio Lower Upper
276 100
138 23.1 19.0 28.4
277 26.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 4.192 ng m
RT: 15.074 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17

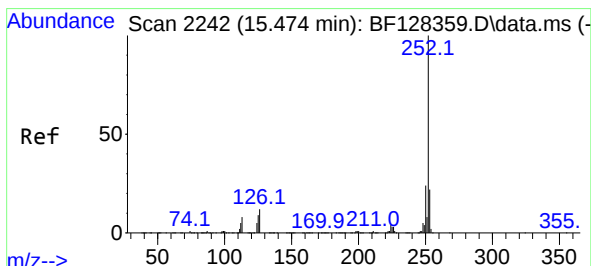
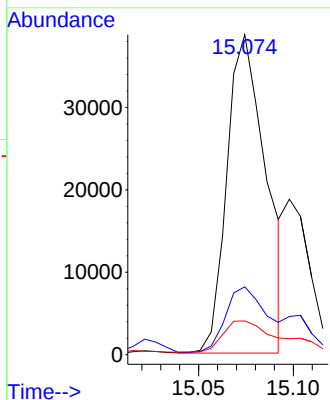
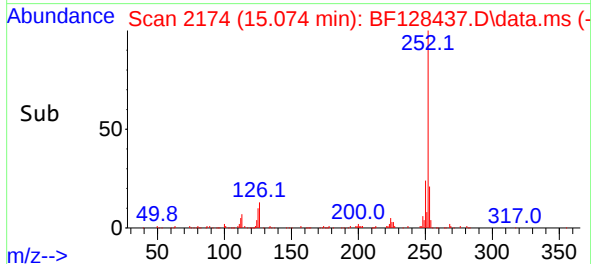
Instrument :
BNA_F
ClientSampleId :
SB-9(0.5-1)



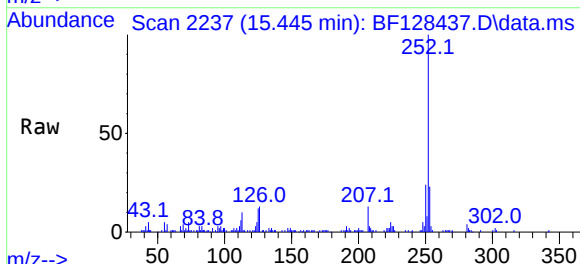
Tgt Ion:252 Resp: 5539
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 10.6 7.4 11.2

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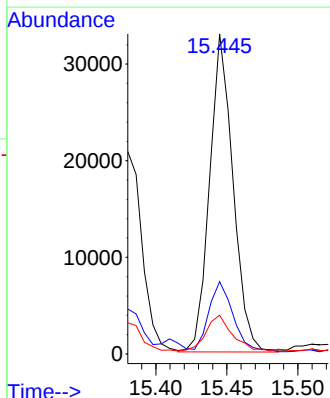
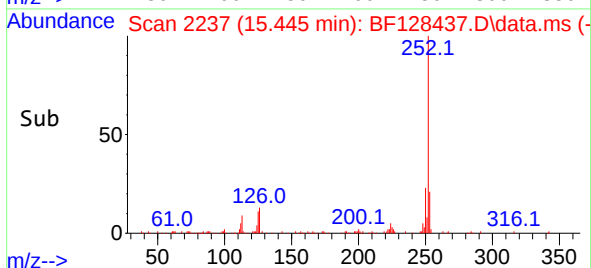
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

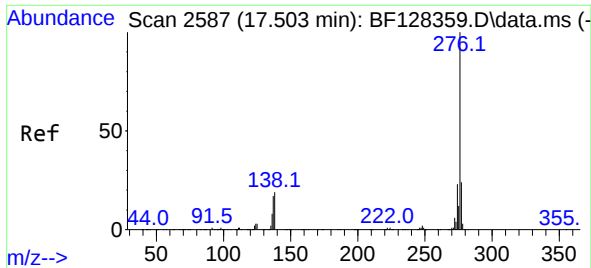


#90
Benzo(a)pyrene
Concen: 3.560 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.006 min
Lab File: BF128437.D
Acq: 24 May 2022 16:17



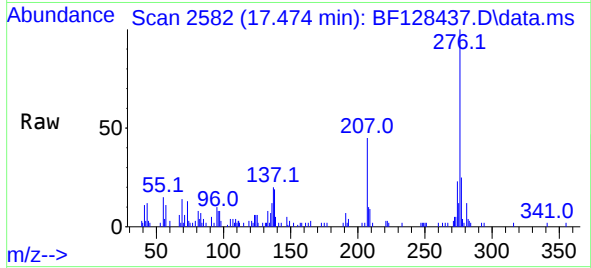
Tgt Ion:252 Resp: 37764
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 12.1 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.372 ng
 RT: 17.474 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF128437.D
 Acq: 24 May 2022 16:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0.5-1)



Tgt Ion:	276	Resp:	24075
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.8	28.2
138	23.1	16.2	24.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

