

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052522\
 Data File : BF128473.D
 Acq On : 25 May 2022 21:46
 Operator : CG\JU
 Sample : N2981-19DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)DL

Quant Time: May 26 01:02:14 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 12:38:46 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/26/2022
 Supervised By : Jagrut Upadhyay 05/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	83413	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	292211	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	142920	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	247532	20.000	ng	0.00
76) Chrysene-d12	13.998	240	177197	20.000	ng	0.00
86) Perylene-d12	15.468	264	131727	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	49561	9.455	ng	0.01
7) Phenol-d6	6.469	99	61412	8.898	ng	0.01
23) Nitrobenzene-d5	7.375	82	35873	5.500	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	10909	7.401	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	65170	7.457	ng	0.00
79) Terphenyl-d14	12.927	244	65684	7.156	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	142486	11.795	ng	98
72) Anthracene	11.422	178	38550	3.211	ng	99
75) Fluoranthene	12.563	202	369678	28.258	ng	98
78) Pyrene	12.792	202	317026	23.895	ng	99
81) Benzo(a)anthracene	13.986	228	155672	13.808	ng	99
83) Chrysene	14.021	228	135407	12.611	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	62112	8.261	ng	98
88) Benzo(b)fluoranthene	15.039	252	157175m	19.181	ng	
89) Benzo(k)fluoranthene	15.063	252	47338m	6.168	ng	
90) Benzo(a)pyrene	15.404	252	106533	16.195	ng	100
91) Dibenzo(a,h)anthracene	16.945	278	15738	2.609	ng	# 92
92) Benzo(g,h,i)perylene	17.404	276	58165	9.242	ng	95

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

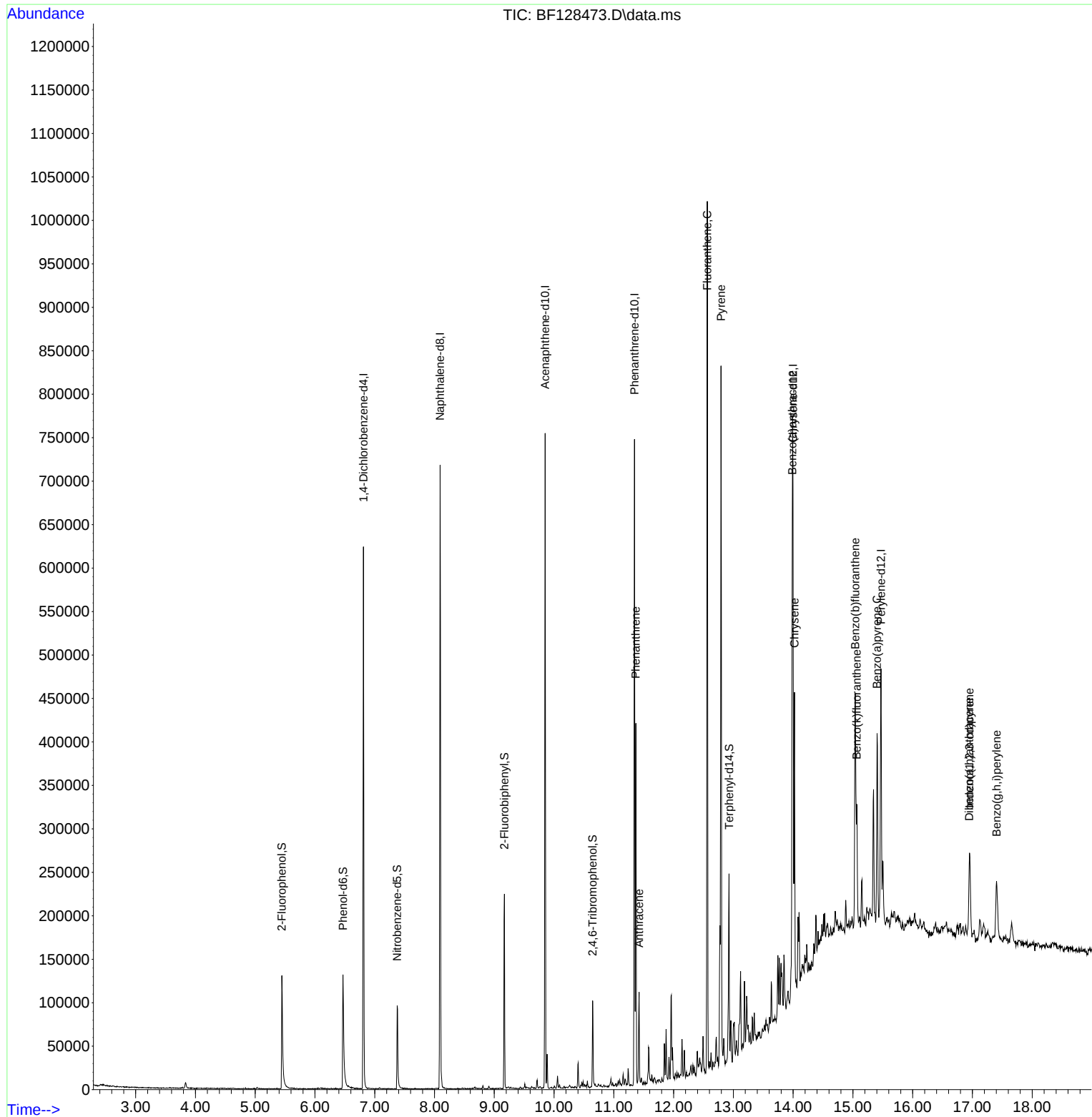
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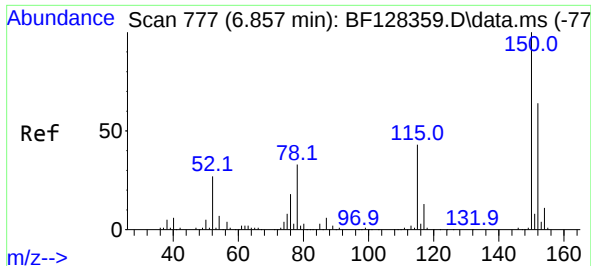
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Quant Time: May 26 01:02:14 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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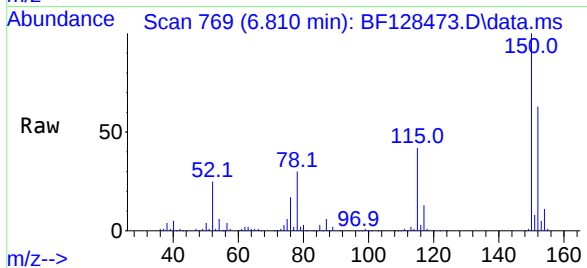
Reviewed By : Christian Giraldo 05/26/2022
Supervised By : Jagrut Upadhyay 05/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

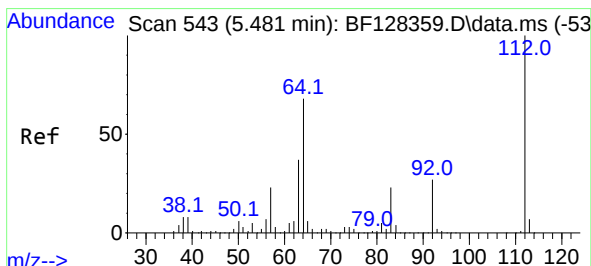
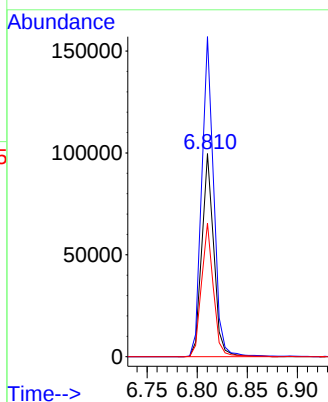
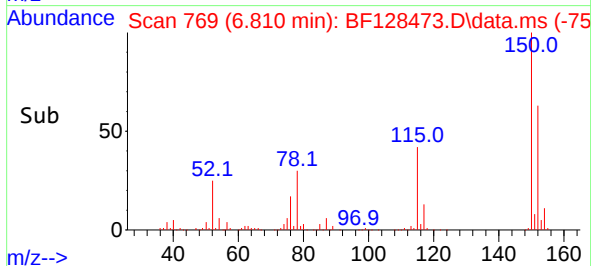
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)DL



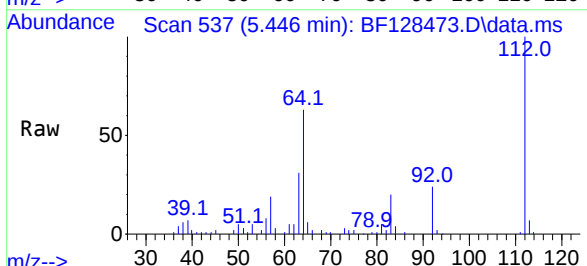
Tgt Ion:152 Resp: 8341
Ion Ratio Lower Upper
152 100
150 157.7 125.3 187.9
115 65.8 48.8 73.2

Manual Integrations
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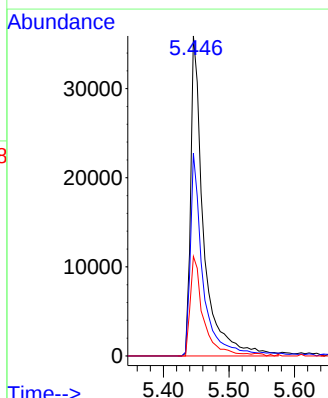
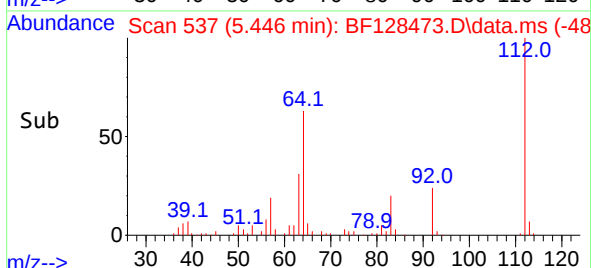
Reviewed By :Christian Giraldo 05/26/2022
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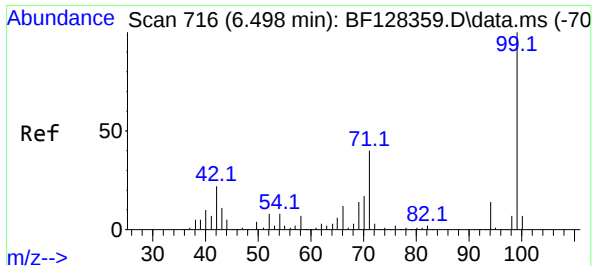


#5
2-Fluorophenol
Concen: 9.455 ng
RT: 5.446 min Scan# 537
Delta R.T. 0.012 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46



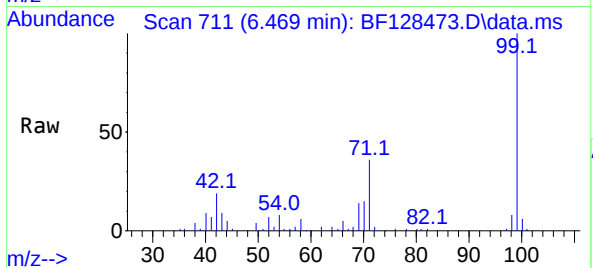
Tgt Ion:112 Resp: 49561
Ion Ratio Lower Upper
112 100
64 63.3 49.5 74.3
63 31.1 26.3 39.5





#7
Phenol-d6
Concen: 8.898 ng
RT: 6.469 min Scan# 716
Delta R.T. 0.012 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

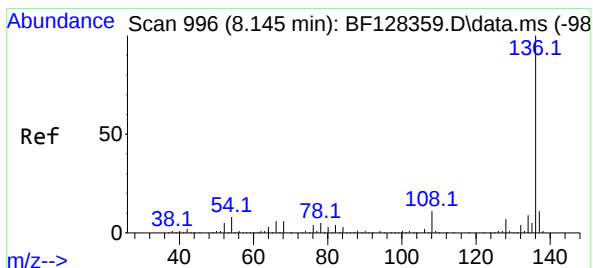
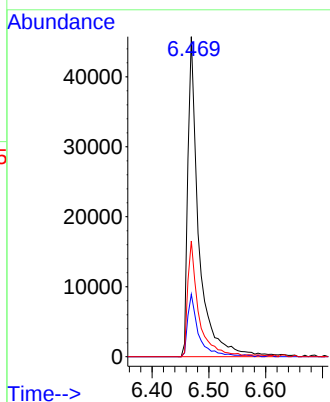
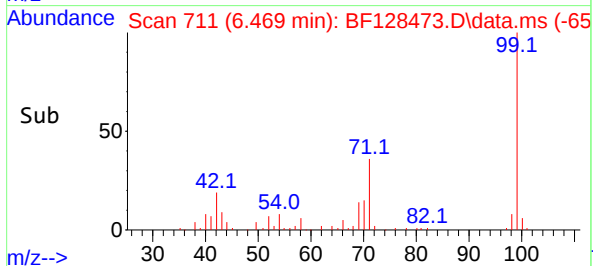
Instrument :
BNA_F
ClientSampleId :
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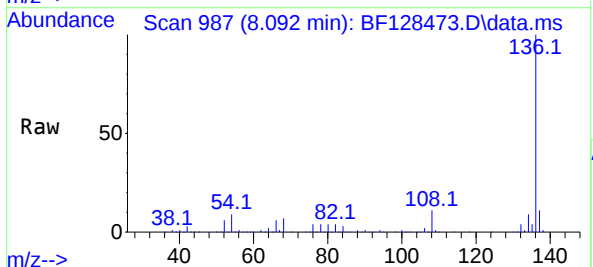
Tgt Ion: 99 Resp: 61412
Ion Ratio Lower Upper
99 100
42 19.5 16.6 24.8
71 36.1 30.0 45.0

Manual Integrations
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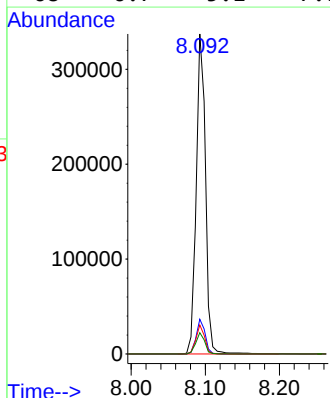
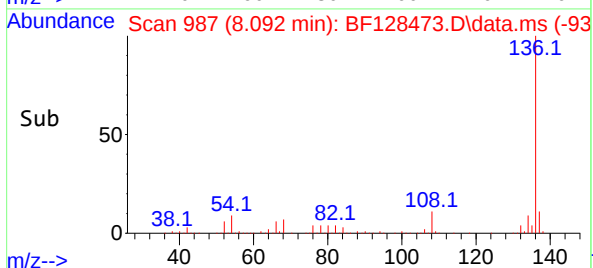
Reviewed By :Christian Giraldo 05/26/2022
Supervised By :Jagrut Upadhyay 05/26/2022

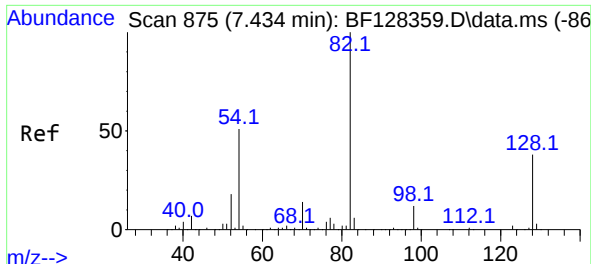


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. 0.000 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46



Tgt Ion:136 Resp: 292211
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.0 6.8 10.2
68 6.7 5.1 7.7





#23
Nitrobenzene-d5
Concen: 5.500 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

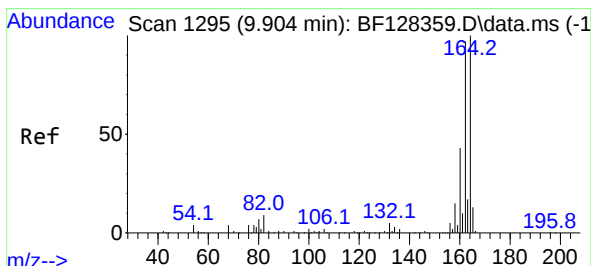
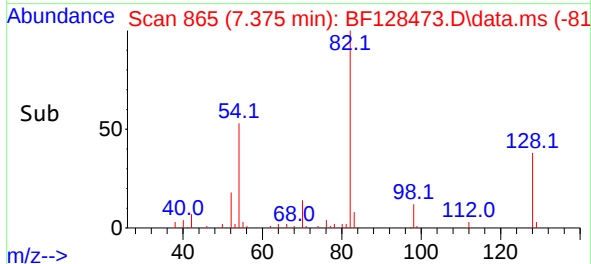
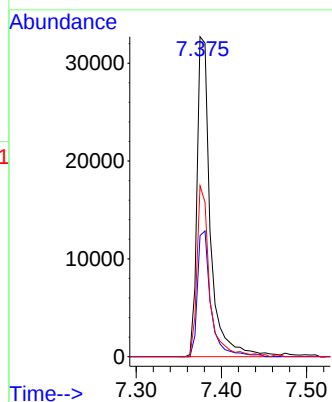
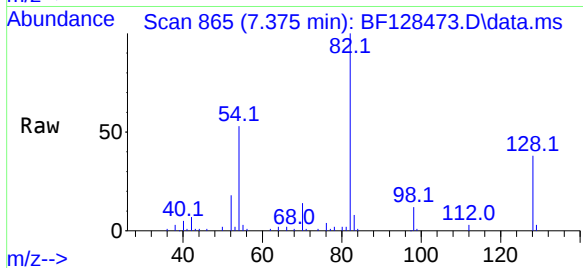
SB-6(0.5-1)DL

Tgt Ion: 82 Resp: 3587
Ion Ratio Lower Upper
82 100
128 37.8 30.0 45.0
54 53.4 41.3 61.9

Manual Integrations

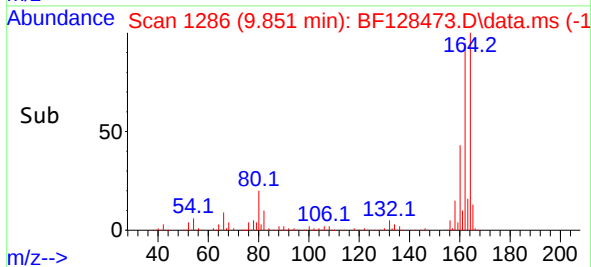
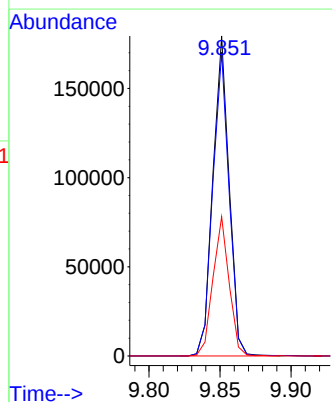
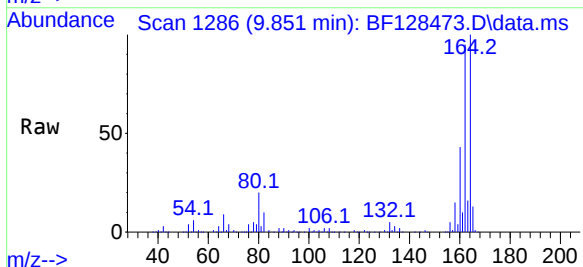
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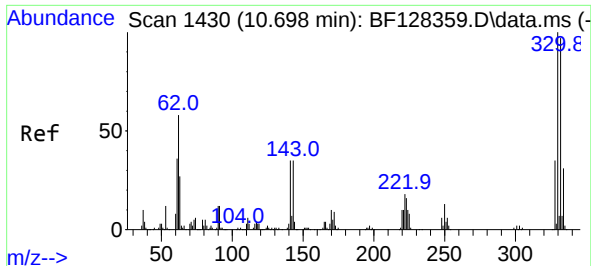
Reviewed By :Christian Giraldo 05/26/2022
Supervised By :Jagrut Upadhyay 05/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Tgt Ion:164 Resp: 142920
Ion Ratio Lower Upper
164 100
162 94.9 76.0 114.0
160 43.5 34.8 52.2





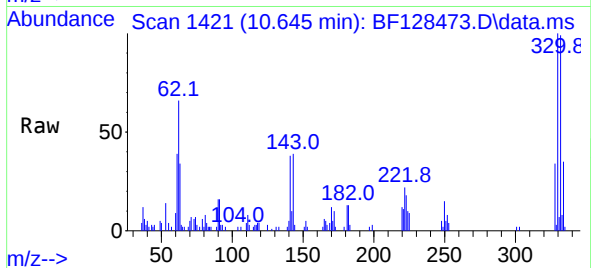
#42
2,4,6-Tribromophenol
Concen: 7.401 ng
RT: 10.645 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)DL

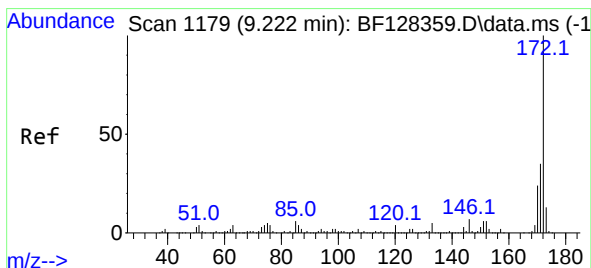
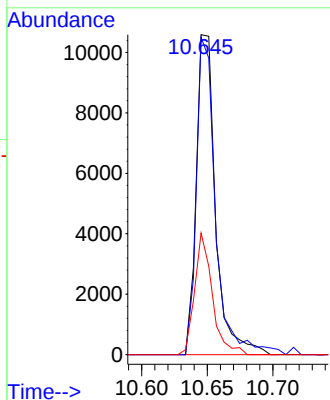
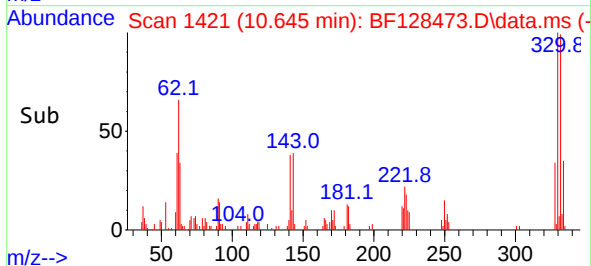


Tgt Ion: 330 Resp: 10909
Ion Ratio Lower Upper
330 100
332 98.0 79.0 118.4
141 34.6 28.9 43.3

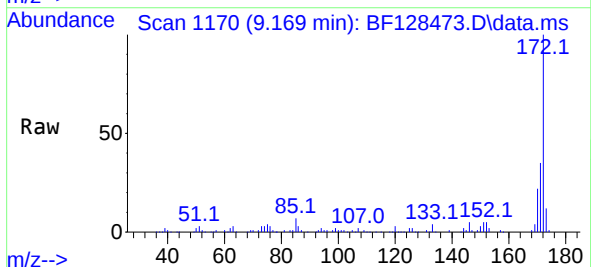
Manual Integrations

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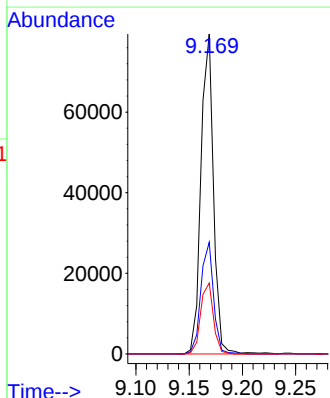
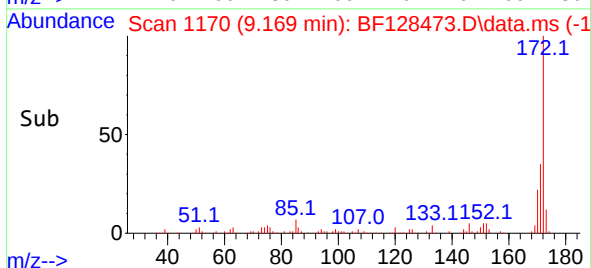
Reviewed By : Christian Giraldo 05/26/2022
Supervised By : Jagrut Upadhyay 05/26/2022



#45
2-Fluorobiphenyl
Concen: 7.457 ng
RT: 9.169 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46



Tgt Ion: 172 Resp: 65170
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 22.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

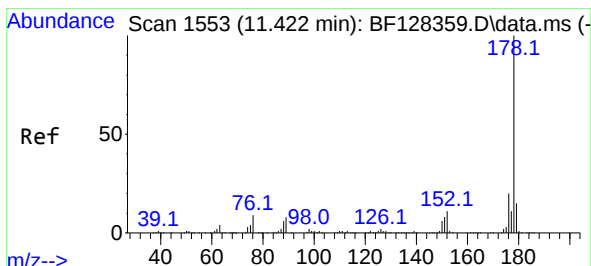
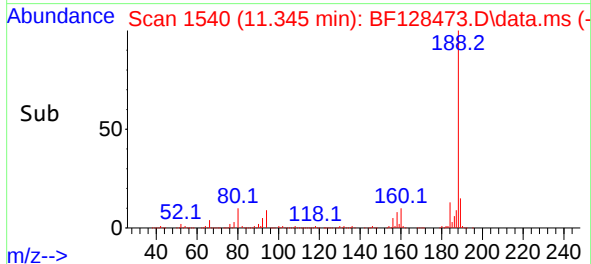
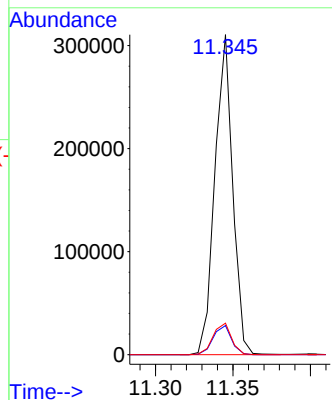
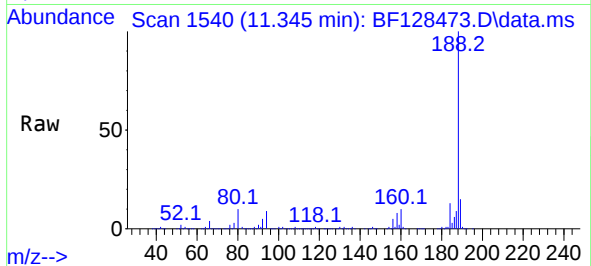
SB-6(0.5-1)DL

Tgt Ion:188 Resp: 24753
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 9.8 8.9 13.3

Manual Integrations

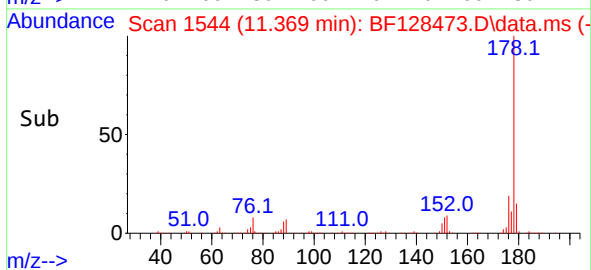
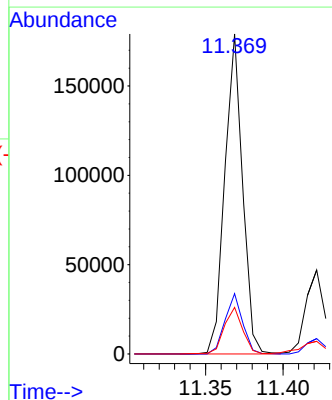
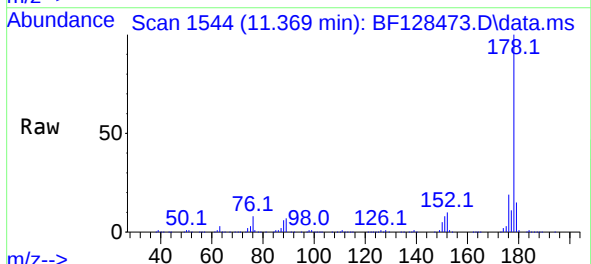
APPROVED

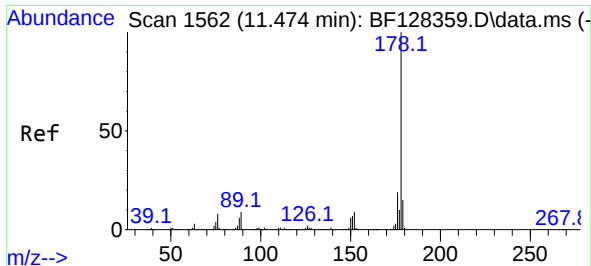
Reviewed By :Christian Giraldo 05/26/2022
Supervised By :Jagrut Upadhyay 05/26/2022



#71
Phenanthrene
Concen: 11.795 ng
RT: 11.369 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Tgt Ion:178 Resp: 142486
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 14.5 12.6 19.0





#72
 Anthracene
 Concen: 3.211 ng
 RT: 11.422 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF128473.D
 Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

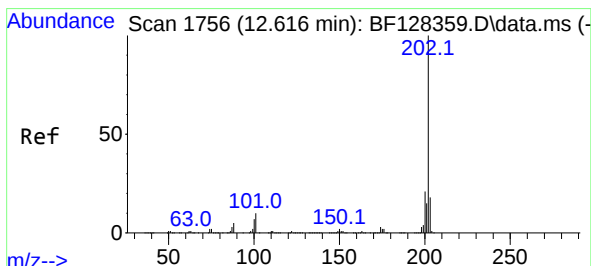
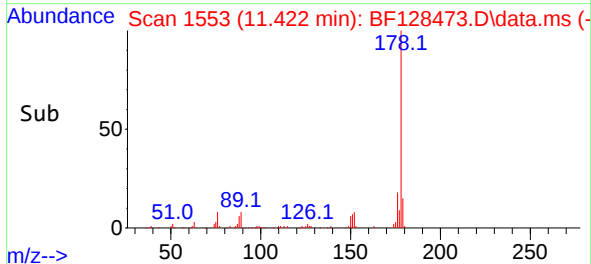
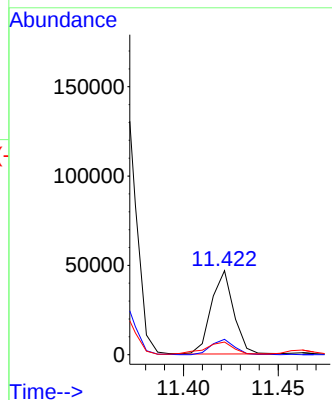
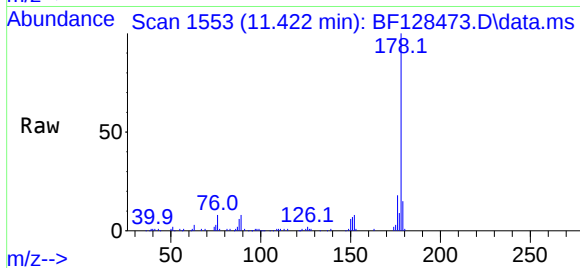
SB-6(0.5-1)DL

Tgt Ion:178 Resp: 38550
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 15.2 12.4 18.6

Manual Integrations

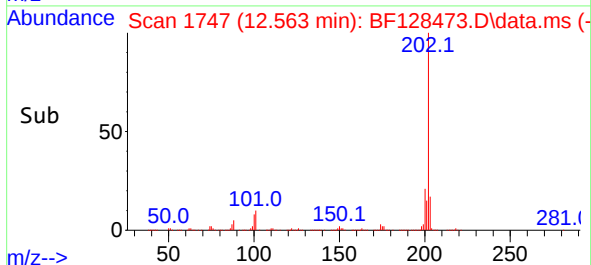
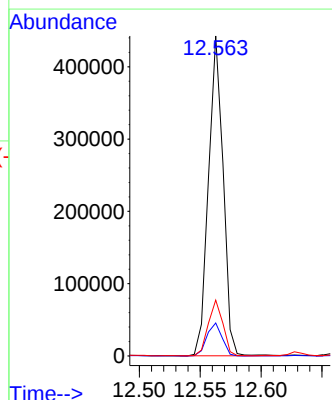
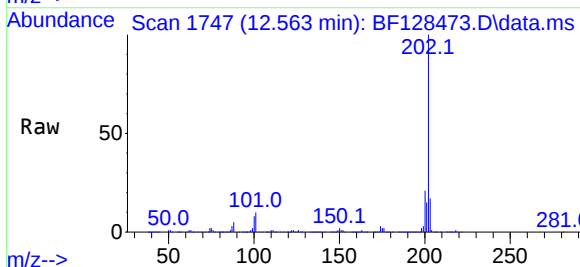
APPROVED

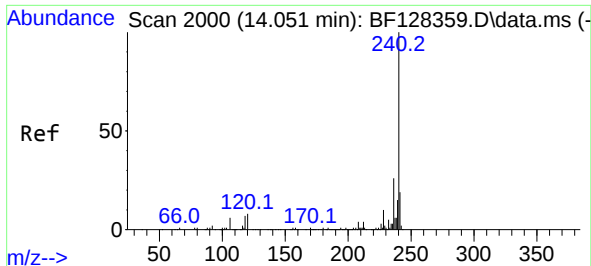
Reviewed By :Christian Giraldo 05/26/2022
 Supervised By :Jagrut Upadhyay 05/26/2022



#75
 Fluoranthene
 Concen: 28.258 ng
 RT: 12.563 min Scan# 1747
 Delta R.T. 0.006 min
 Lab File: BF128473.D
 Acq: 25 May 2022 21:46

Tgt Ion:202 Resp: 369678
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.6
 203 17.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

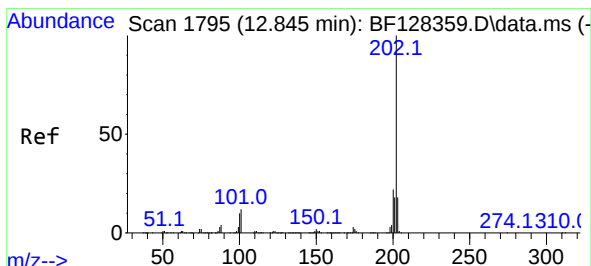
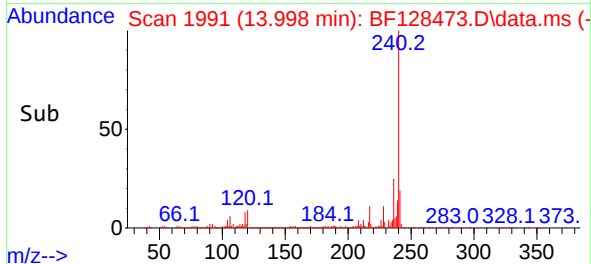
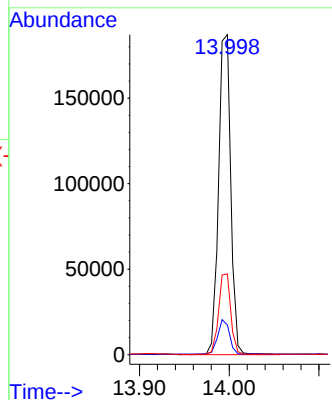
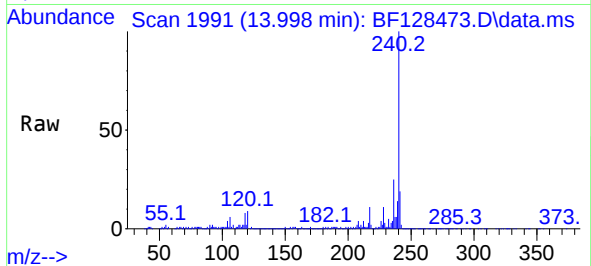
SB-6(0.5-1)DL

Tgt Ion:240 Resp: 177197
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 25.2 20.3 30.5

Manual Integrations

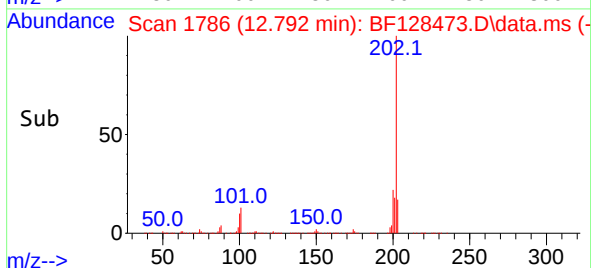
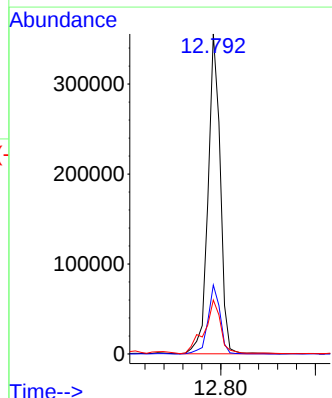
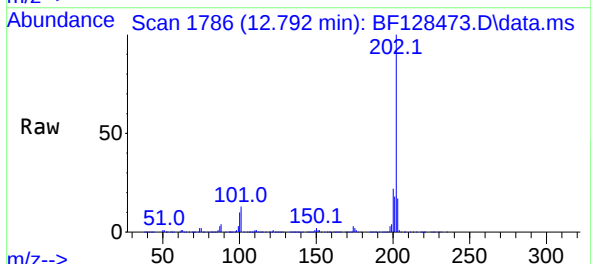
APPROVED

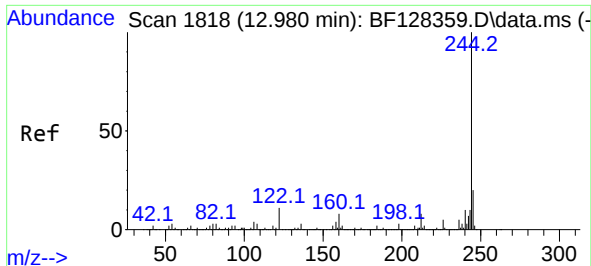
Reviewed By :Christian Giraldo 05/26/2022
Supervised By :Jagrut Upadhyay 05/26/2022



#78
Pyrene
Concen: 23.895 ng
RT: 12.792 min Scan# 1786
Delta R.T. 0.006 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

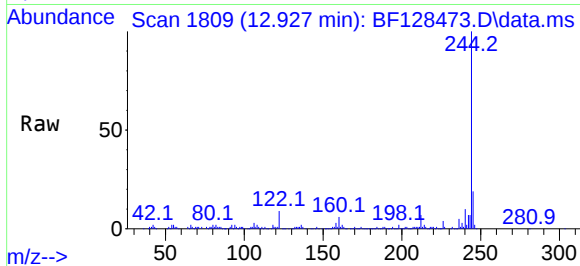
Tgt Ion:202 Resp: 317026
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 16.9 14.0 21.0





#79
 Terphenyl-d14
 Concen: 7.156 ng
 RT: 12.927 min Scan# 1809
 Delta R.T. 0.000 min
 Lab File: BF128473.D
 Acq: 25 May 2022 21:46

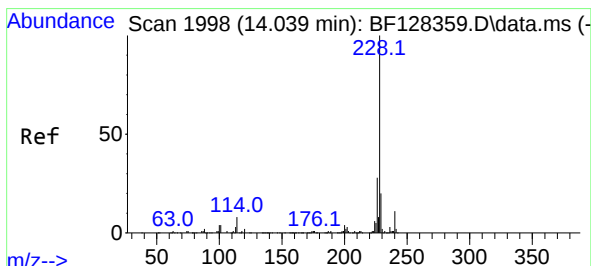
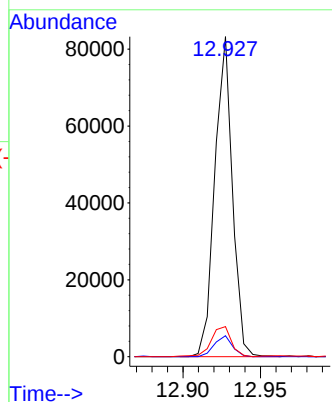
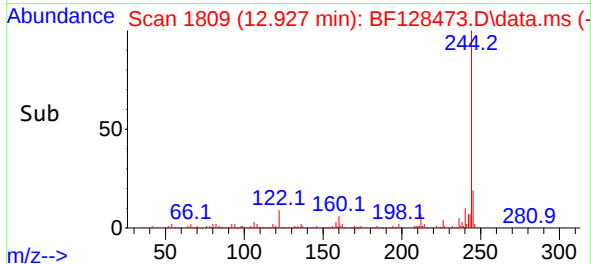
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)DL



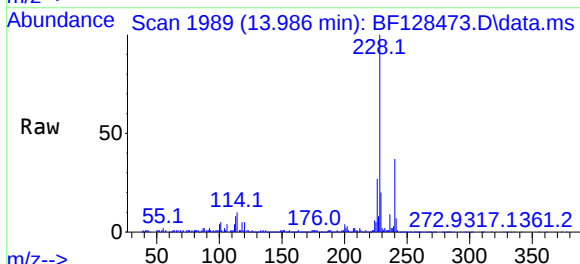
Tgt Ion:244 Resp: 65684
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.2 9.4
 122 9.4 8.6 12.8

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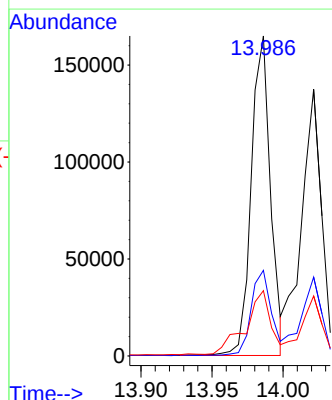
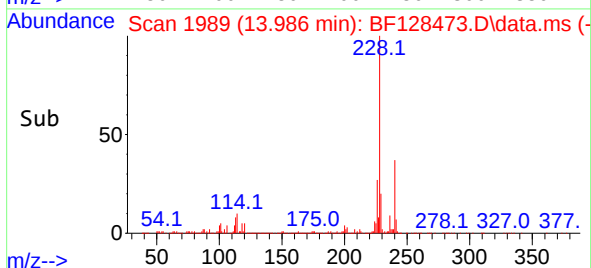
Reviewed By :Christian Giraldo 05/26/2022
 Supervised By :Jagrut Upadhyay 05/26/2022

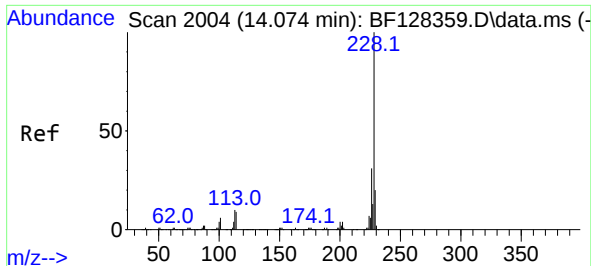


#81
 Benzo(a)anthracene
 Concen: 13.808 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. 0.006 min
 Lab File: BF128473.D
 Acq: 25 May 2022 21:46



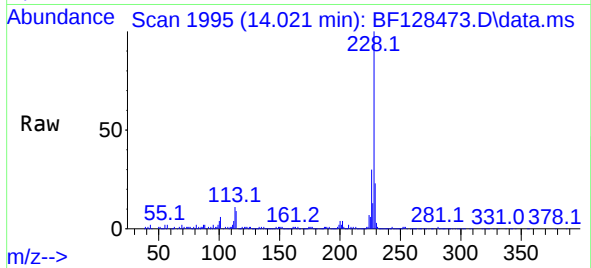
Tgt Ion:228 Resp: 155672
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.7 32.5
 229 20.4 15.4 23.2





#83
Chrysene
Concen: 12.611 ng
RT: 14.021 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

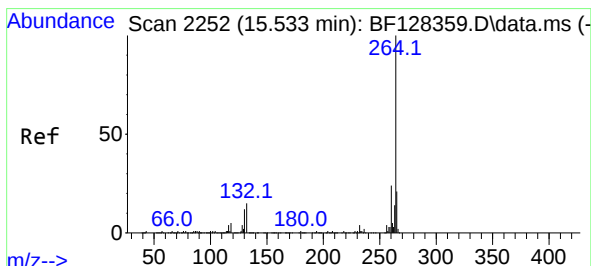
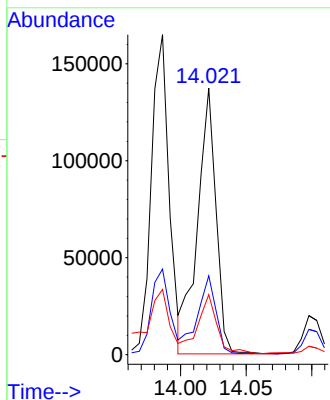
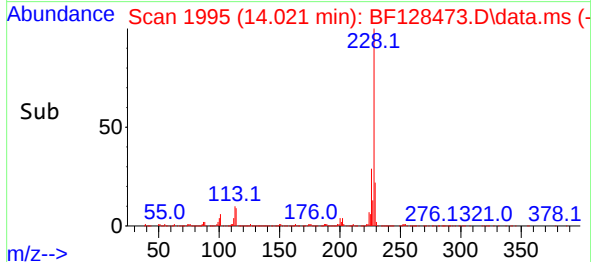
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)DL



Tgt Ion:228 Resp: 135407
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 22.5 15.8 23.8

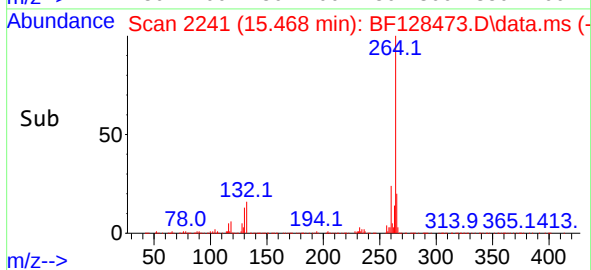
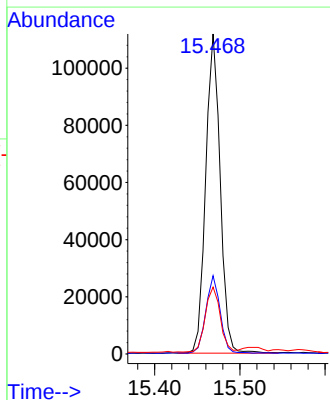
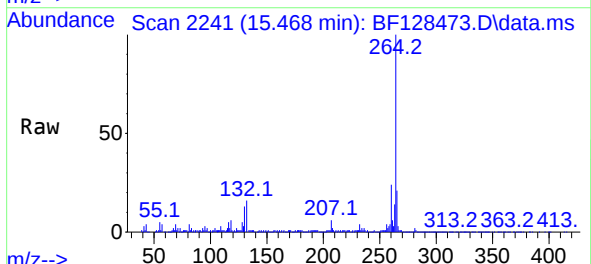
Manual Integrations
APPROVED

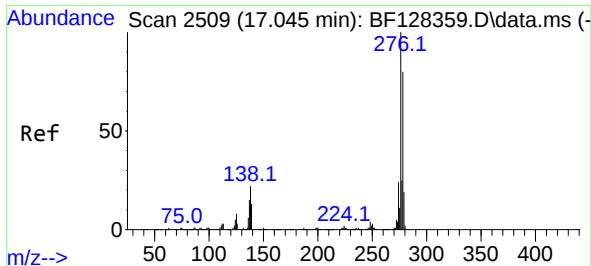
Reviewed By :Christian Giraldo 05/26/2022
Supervised By :Jagrut Upadhyay 05/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2241
Delta R.T. 0.012 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Tgt Ion:264 Resp: 131727
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 20.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.261 ng
RT: 16.951 min Scan# 2493
Delta R.T. 0.012 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

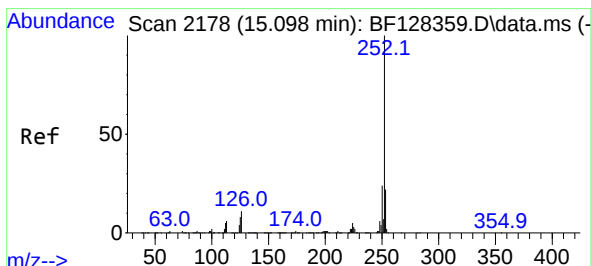
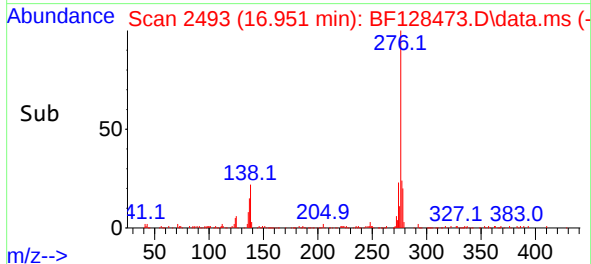
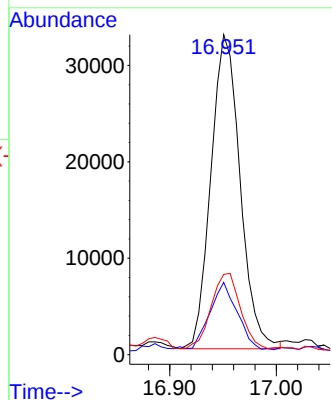
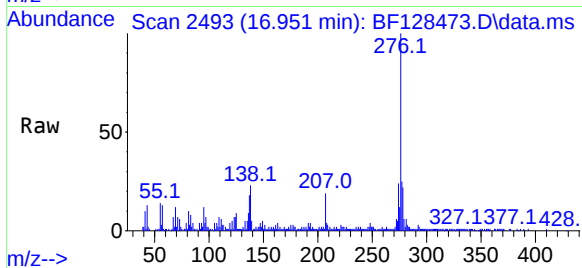
SB-6(0.5-1)DL

Tgt Ion: 276 Resp: 6211
Ion Ratio Lower Upper
276 100
138 21.7 19.0 28.4
277 25.5 20.1 30.1

Manual Integrations

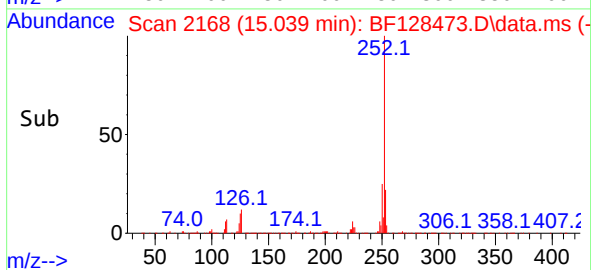
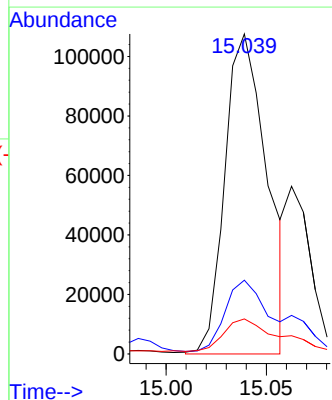
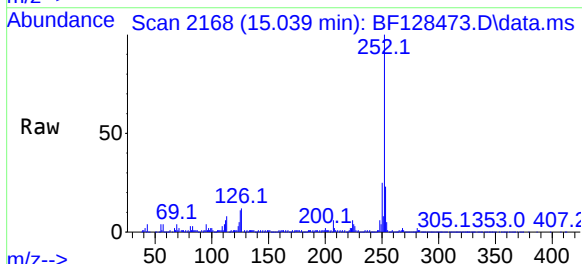
APPROVED

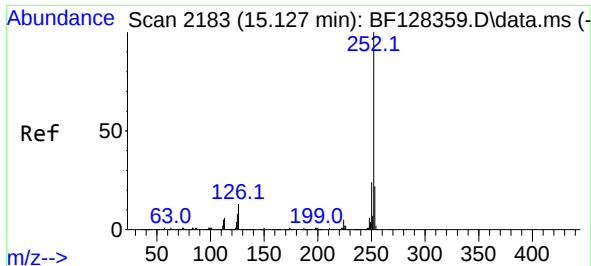
Reviewed By : Christian Giraldo 05/26/2022
Supervised By : Jagrut Upadhyay 05/26/2022



#88
Benzo(b)fluoranthene
Concen: 19.181 ng m
RT: 15.039 min Scan# 2168
Delta R.T. 0.012 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Tgt Ion: 252 Resp: 157175
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 11.0 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 6.168 ng m

RT: 15.063 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)DL

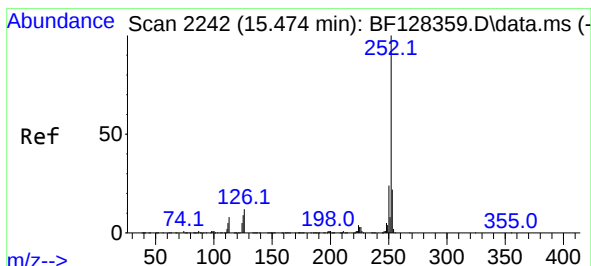
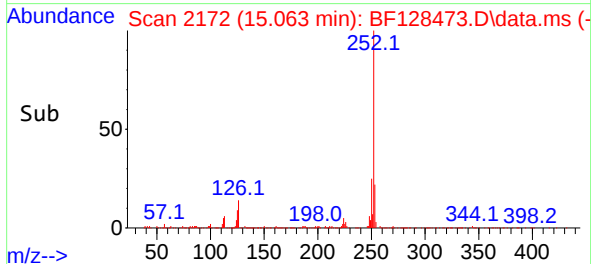
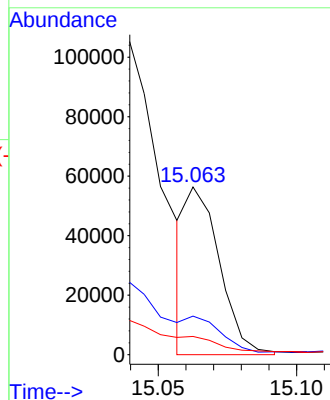
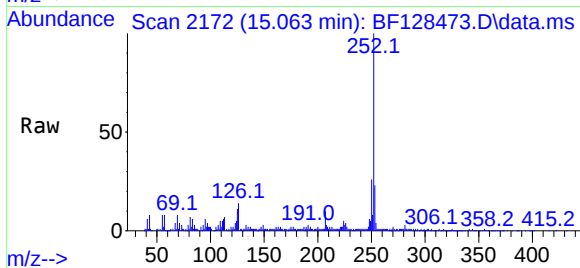
Tgt Ion:	252	Resp:	47338
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.4
125	10.9	6.8	10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/26/2022

Supervised By :Jagrut Upadhyay 05/26/2022



#90

Benzo(a)pyrene

Concen: 16.195 ng

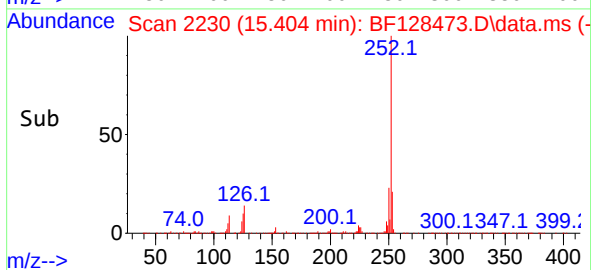
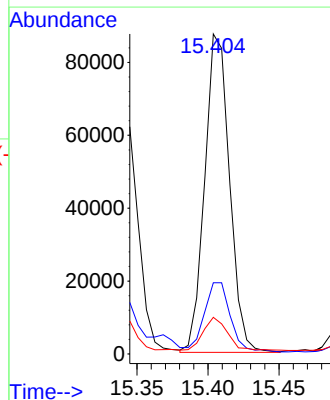
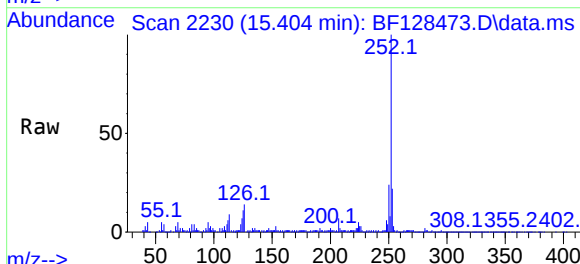
RT: 15.404 min Scan# 2230

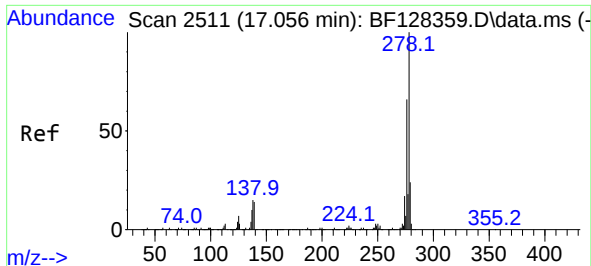
Delta R.T. 0.006 min

Lab File: BF128473.D

Acq: 25 May 2022 21:46

Tgt Ion:	252	Resp:	106533
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	11.4	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 2.609 ng
RT: 16.945 min Scan# 2492
Delta R.T. 0.006 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Instrument :

BNA_F

ClientSampleId :

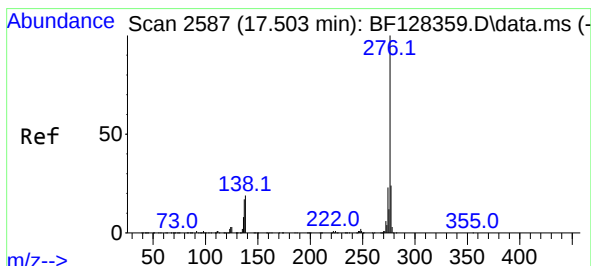
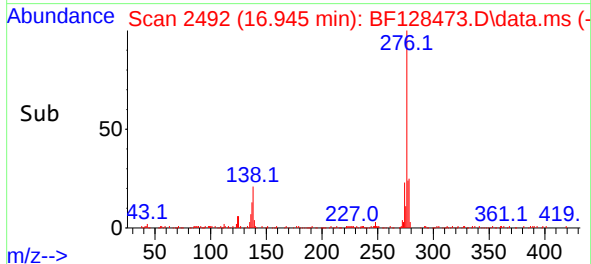
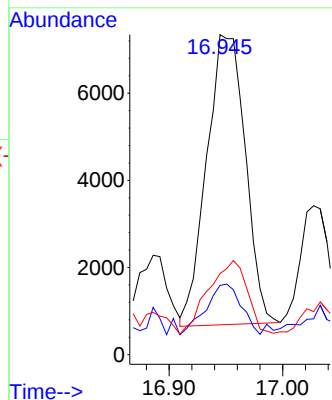
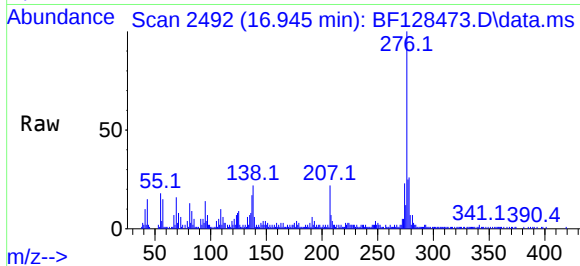
SB-6(0.5-1)DL

Tgt Ion:278 Resp: 15738
Ion Ratio Lower Upper
278 100
139 21.6 12.6 19.0
279 25.3 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2022
Supervised By :Jagrut Upadhyay 05/26/2022



#92
Benzo(g,h,i)perylene
Concen: 9.242 ng
RT: 17.404 min Scan# 2570
Delta R.T. 0.024 min
Lab File: BF128473.D
Acq: 25 May 2022 21:46

Tgt Ion:276 Resp: 58165
Ion Ratio Lower Upper
276 100
277 27.5 18.8 28.2
138 21.2 16.2 24.2

