

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
 Data File : BF128274.D
 Acq On : 16 May 2022 18:13
 Operator : CG\JU
 Sample : N2823-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/17/2022
 Supervised By : Jagrut Upadhyay 05/17/2022

Quant Time: May 17 06:22:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	82566	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	300469	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	140381	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	225676	20.000	ng	0.00
76) Chrysene-d12	14.063	240	206202	20.000	ng	0.00
86) Perylene-d12	15.557	264	147728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	197020	38.039	ng	0.00
7) Phenol-d6	6.510	99	256518	37.445	ng	-0.02
23) Nitrobenzene-d5	7.445	82	175044	26.214	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	43608	27.086	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	281123	31.334	ng	-0.01
79) Terphenyl-d14	12.998	244	278914	25.381	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	304570	27.104	ng	100
72) Anthracene	11.492	178	53812	4.796	ng	100
73) Carbazole	11.651	167	89586	8.397	ng	98
75) Fluoranthene	12.639	202	835088	68.546	ng	98
78) Pyrene	12.869	202	558578	37.359	ng	99
81) Benzo(a)anthracene	14.051	228	248637	18.878	ng	98
83) Chrysene	14.092	228	226259	18.004	ng	98
84) Bis(2-ethylhexyl)phtha...	14.022	149	27385	3.261	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.068	276	55045	6.160	ng	96
88) Benzo(b)fluoranthene	15.116	252	179472m	19.598	ng	
89) Benzo(k)fluoranthene	15.145	252	69330m	7.670	ng	
90) Benzo(a)pyrene	15.492	252	110306	14.920	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	15215m	2.103	ng	
92) Benzo(g,h,i)perylene	17.527	276	49984	6.823	ng	99

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

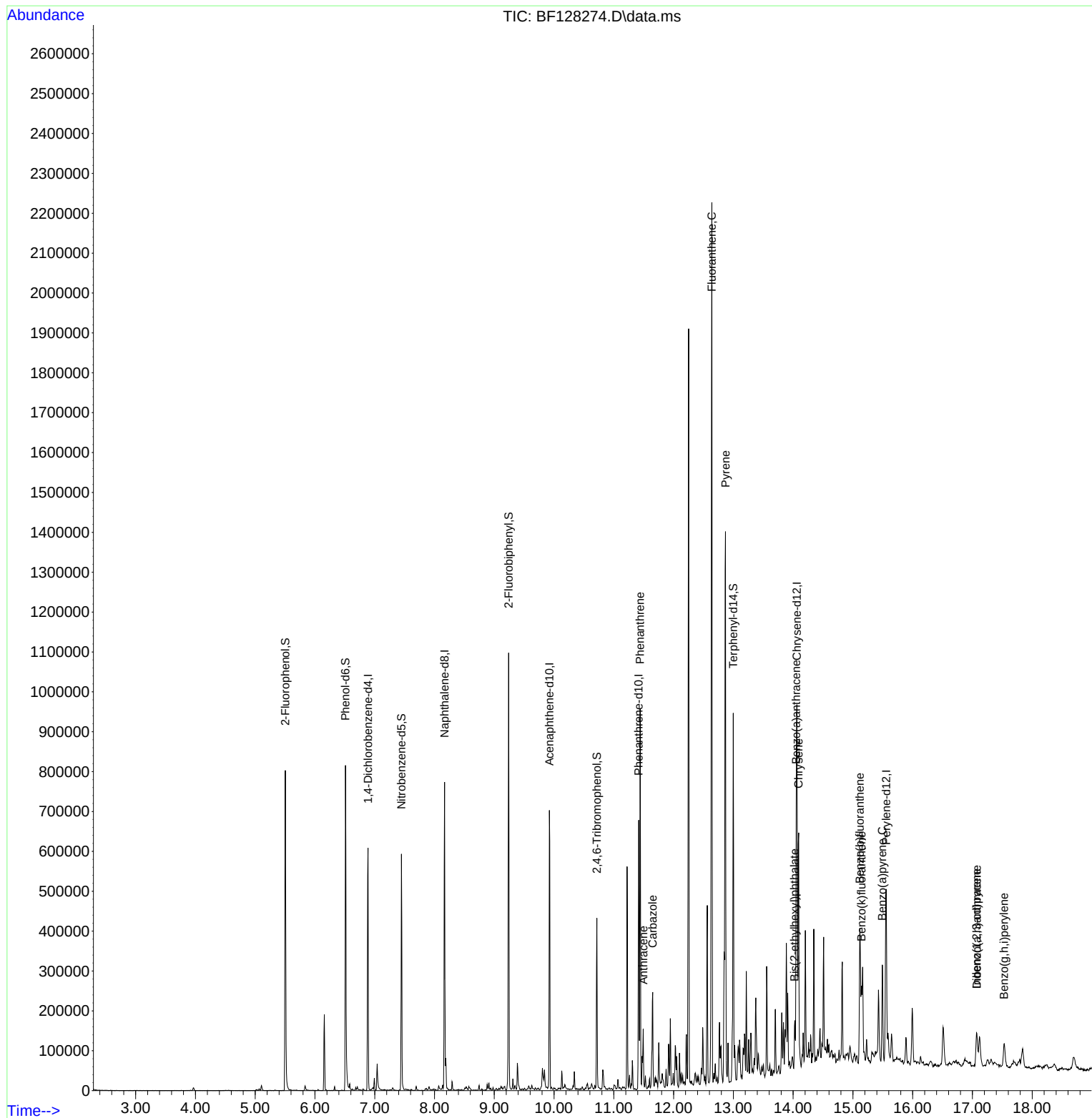
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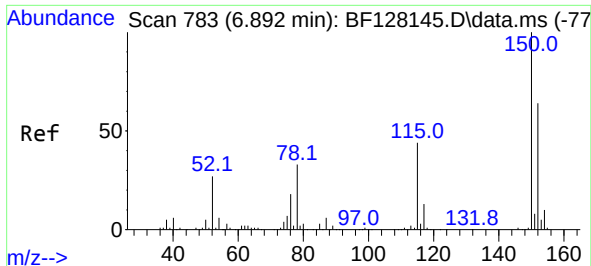
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Quant Time: May 17 06:22:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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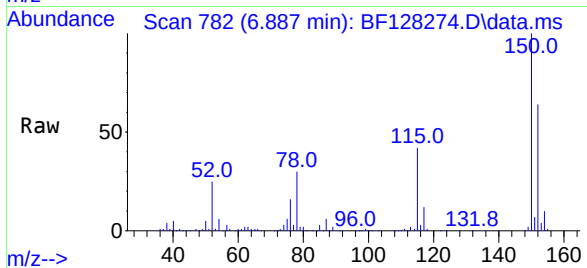
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

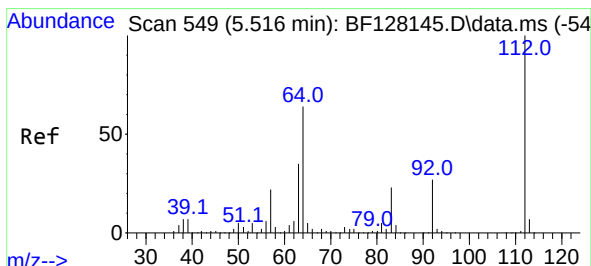
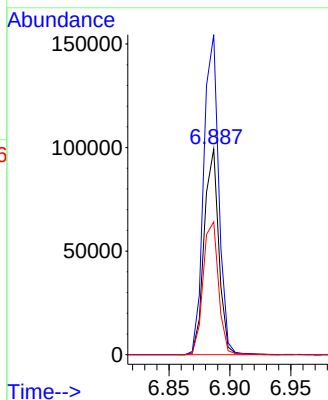
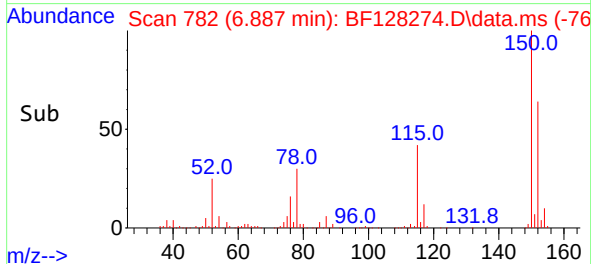
Instrument :
BNA_F
ClientSampleId :
SC-1DL



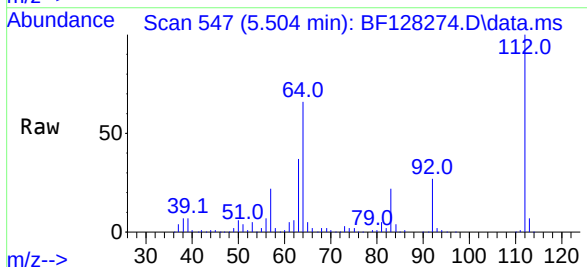
Tgt Ion:152 Resp: 82560
Ion Ratio Lower Upper
152 100
150 155.5 125.3 187.9
115 64.5 48.8 73.2

Manual Integrations
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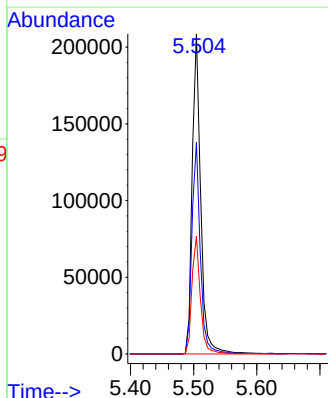
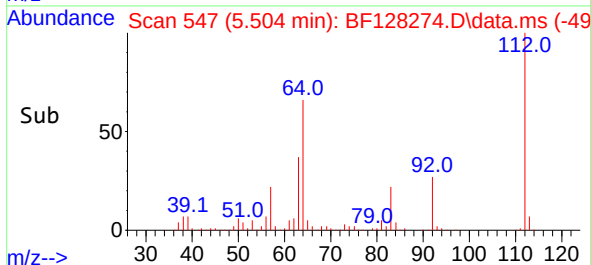
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

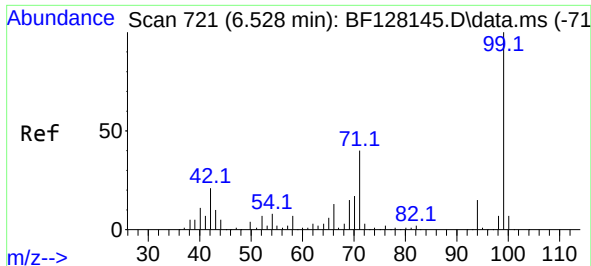


#5
2-Fluorophenol
Concen: 38.039 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



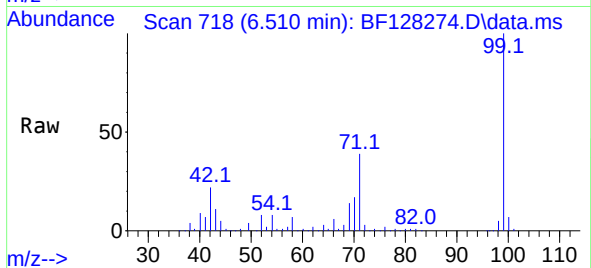
Tgt Ion:112 Resp: 197020
Ion Ratio Lower Upper
112 100
64 66.1 49.5 74.3
63 36.8 26.3 39.5





#7
Phenol-d6
Concen: 37.445 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

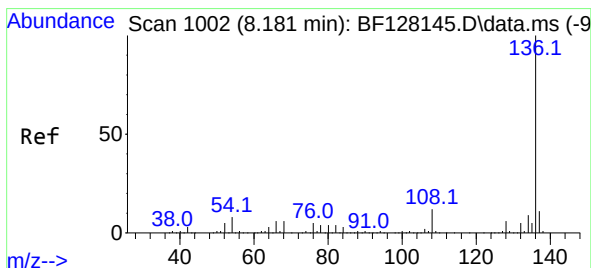
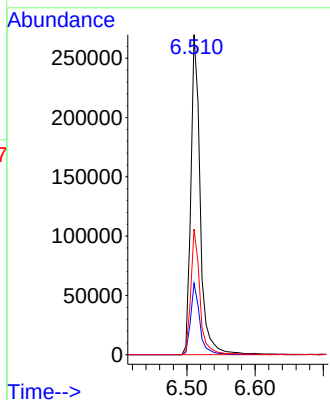
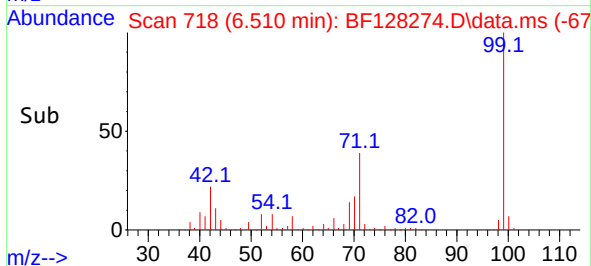
Instrument :
BNA_F
ClientSampleId :
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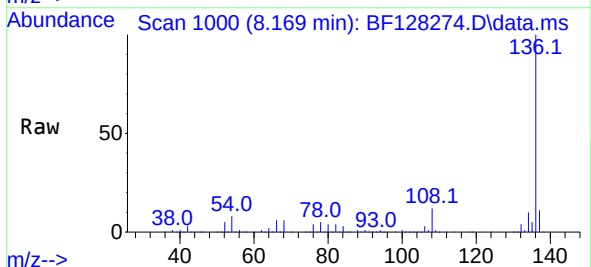
Tgt Ion: 99 Resp: 256518
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 39.3 30.0 45.0

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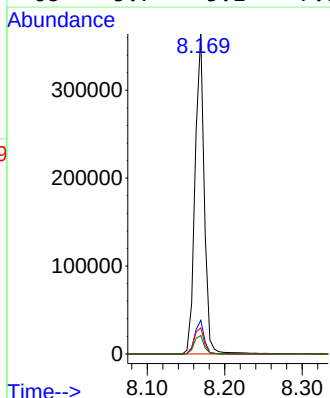
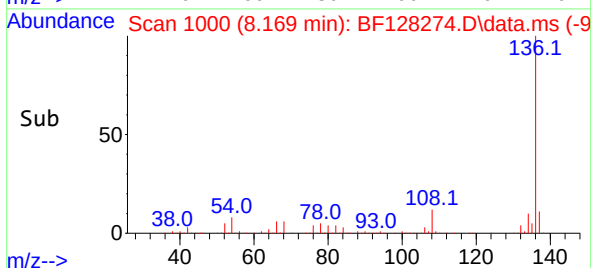
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

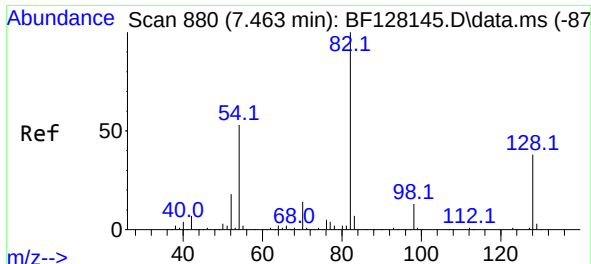


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



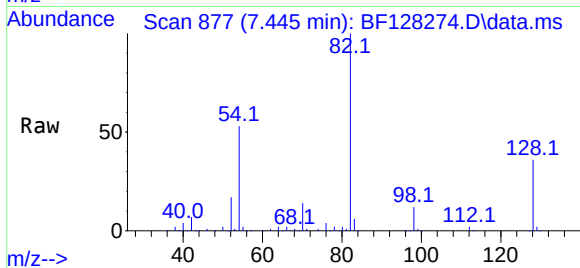
Tgt Ion:136 Resp: 300469
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.1 6.8 10.2
68 5.7 5.1 7.7





#23
Nitrobenzene-d5
Concen: 26.214 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

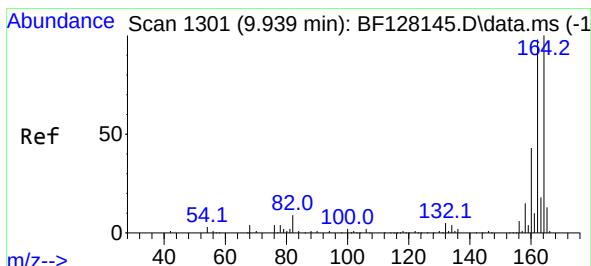
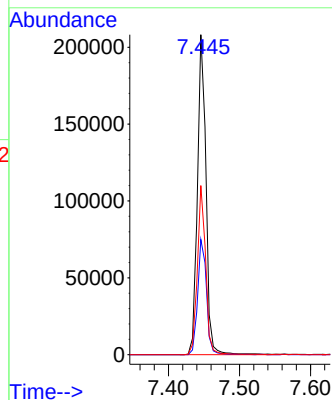
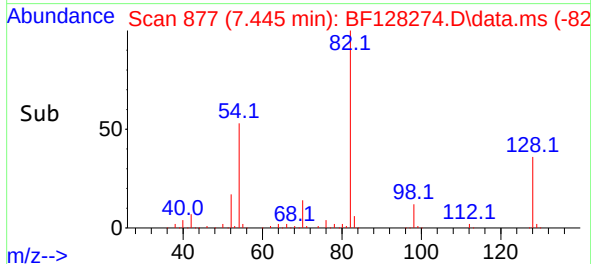
Instrument :
BNA_F
ClientSampleId :
SC-1DL



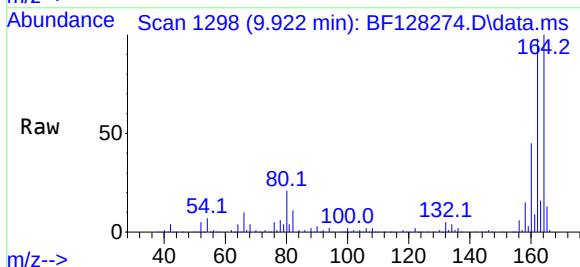
Tgt Ion: 82 Resp: 175044
Ion Ratio Lower Upper
82 100
128 36.0 30.0 45.0
54 52.8 41.3 61.9

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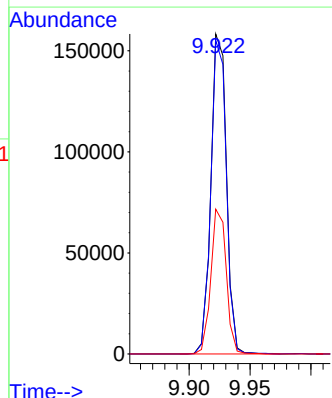
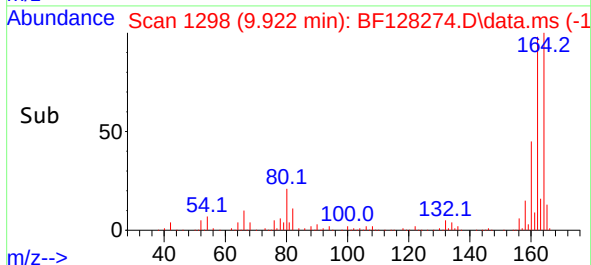
Reviewed By :Christian Giraldo 05/17/2022
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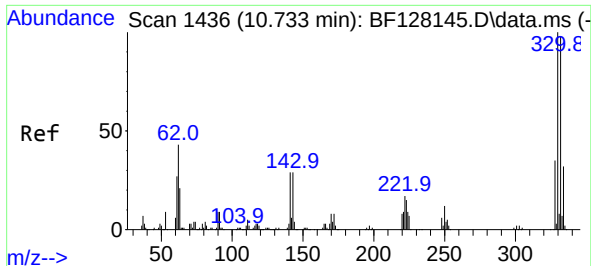


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



Tgt Ion:164 Resp: 140381
Ion Ratio Lower Upper
164 100
162 98.0 76.0 114.0
160 45.3 34.8 52.2





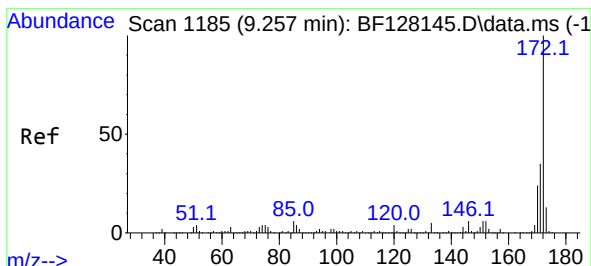
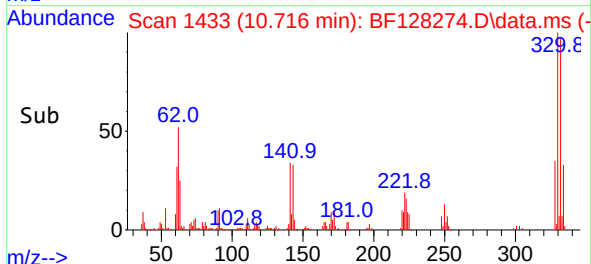
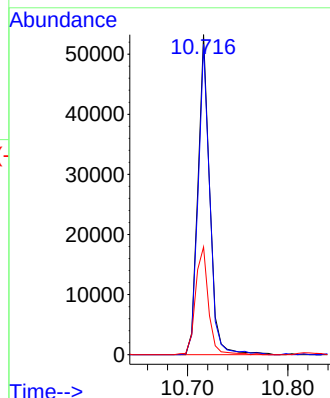
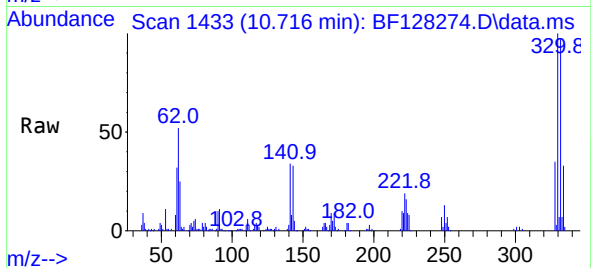
#42
2,4,6-Tribromophenol
Concen: 27.086 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Instrument :
BNA_F
ClientSampleId :
SC-1DL

Tgt Ion: 330 Resp: 43608
Ion Ratio Lower Upper
330 100
332 96.2 79.0 118.4
141 36.8 28.9 43.3

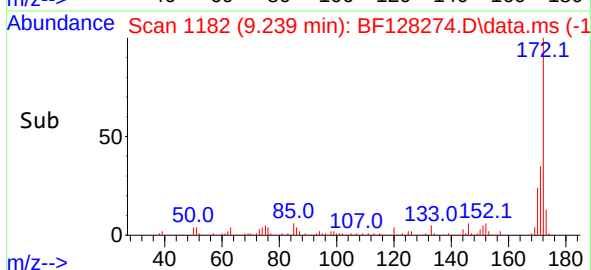
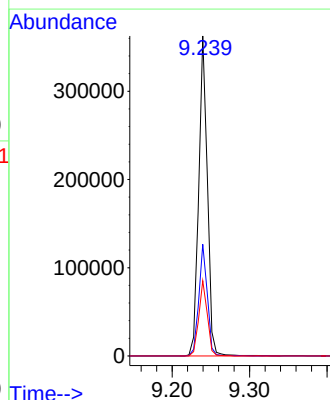
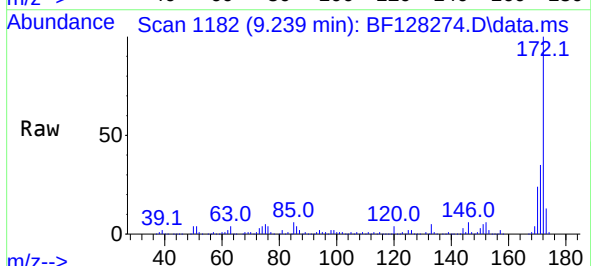
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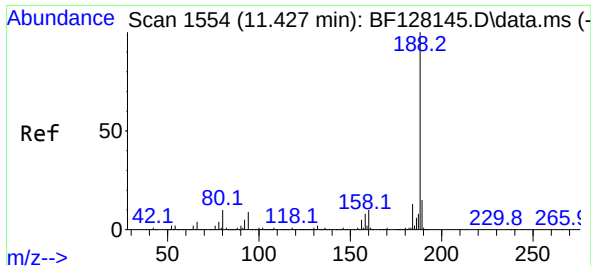
Reviewed By : Christian Giraldo 05/17/2022
Supervised By : Jagrut Upadhyay 05/17/2022



#45
2-Fluorobiphenyl
Concen: 31.334 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion: 172 Resp: 281123
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.5 19.1 28.7





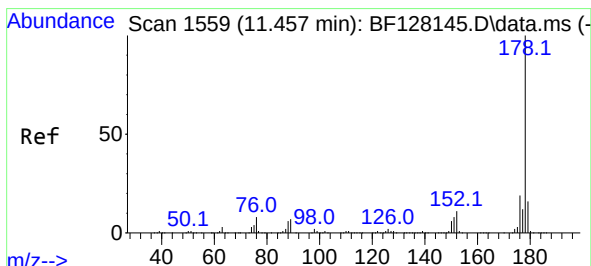
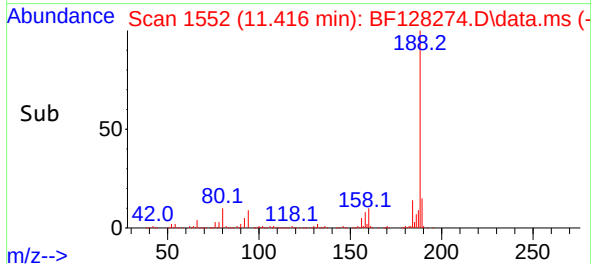
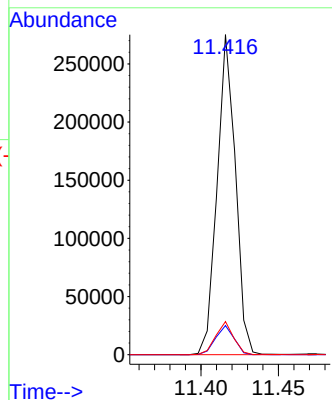
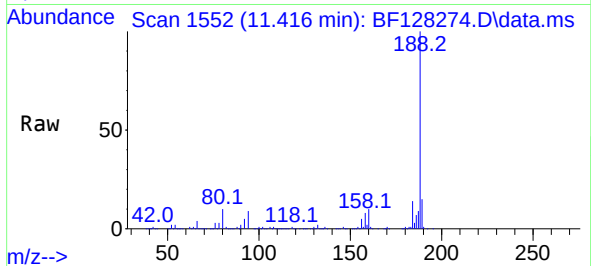
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Instrument :
BNA_F
ClientSampleId :
SC-1DL

Tgt Ion:188 Resp: 225670
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.4 8.9 13.3

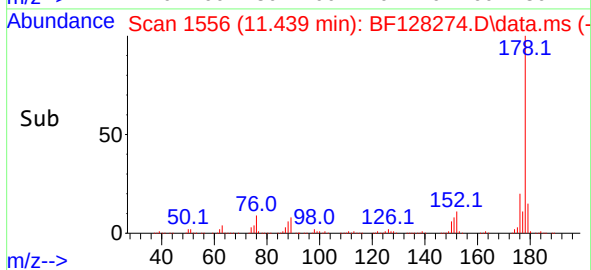
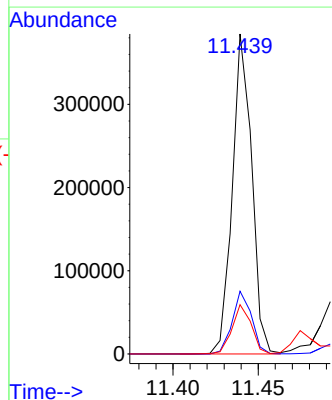
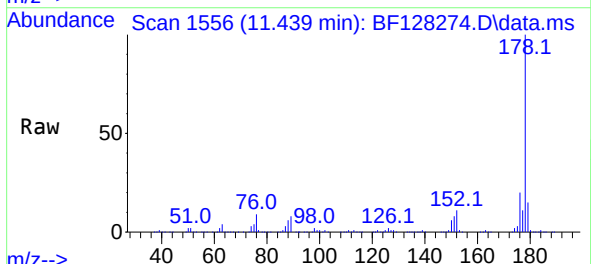
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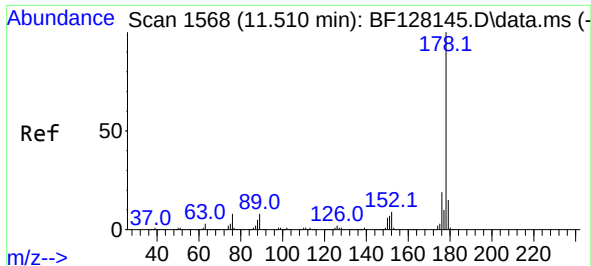
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#71
Phenanthrene
Concen: 27.104 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:178 Resp: 304570
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.4 12.6 19.0





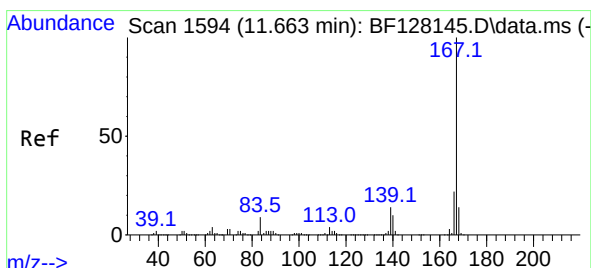
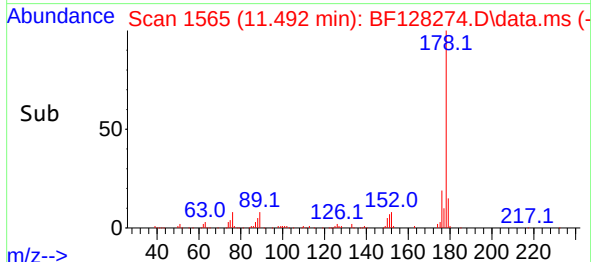
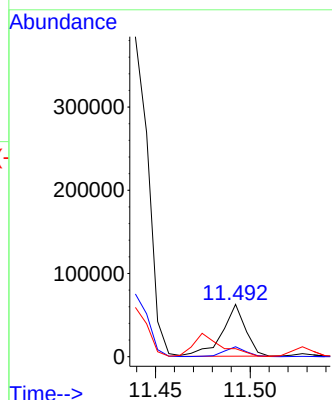
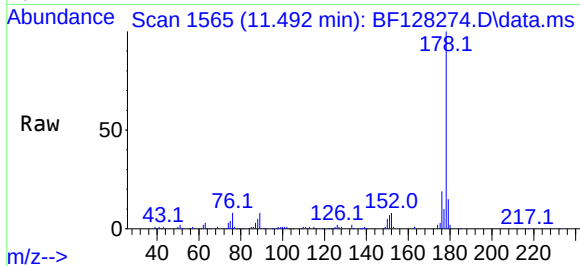
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 Anthracene
 Concen: 4.796 ng
 RT: 11.492 min Scan# 1568
 Delta R.T. -0.012 min
 Lab File: BF128274.D
 Acq: 16 May 2022 18:13

Instrument :
 BNA_F
 ClientSampleId :
 SC-1DL

Tgt Ion:178 Resp: 5381
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 15.4 12.4 18.6

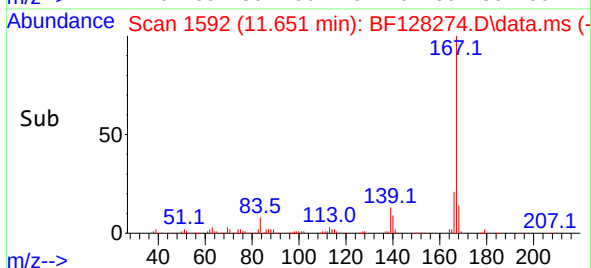
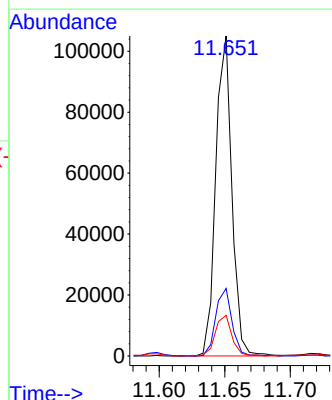
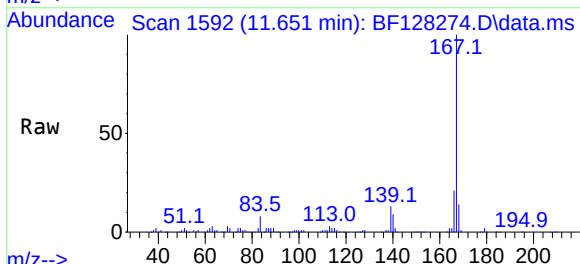
Manual Integrations
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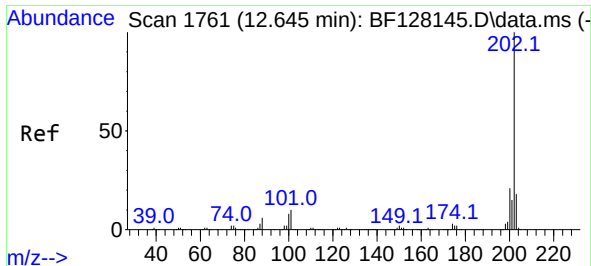
Reviewed By :Christian Giraldo 05/17/2022
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#73
 Carbazole
 Concen: 8.397 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128274.D
 Acq: 16 May 2022 18:13

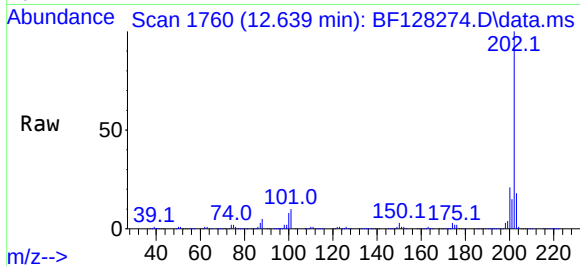
Tgt Ion:167 Resp: 89586
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 12.7 10.7 16.1





#75
Fluoranthene
Concen: 68.546 ng
RT: 12.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

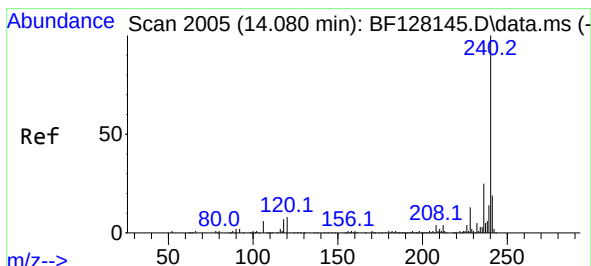
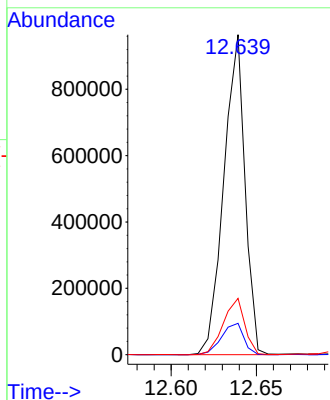
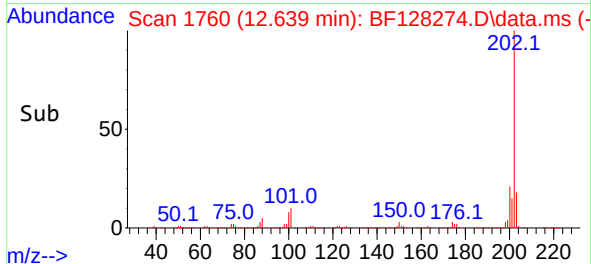
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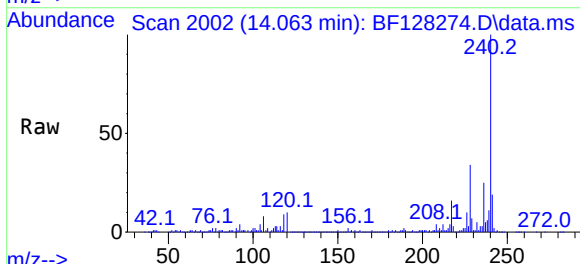
Tgt Ion:202 Resp: 835088
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.6
203 17.6 0.0 38.1

Manual Integrations
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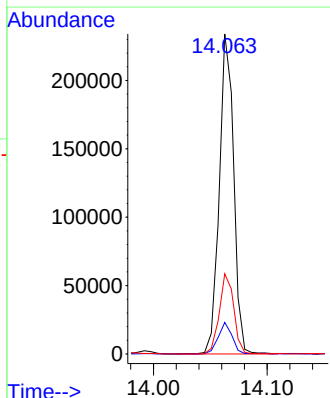
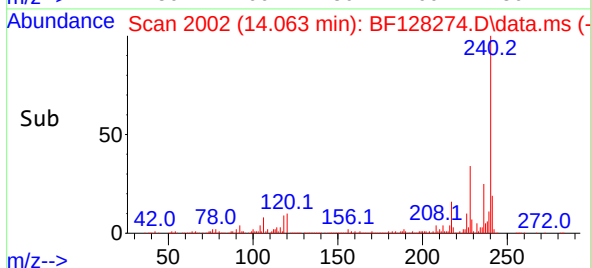
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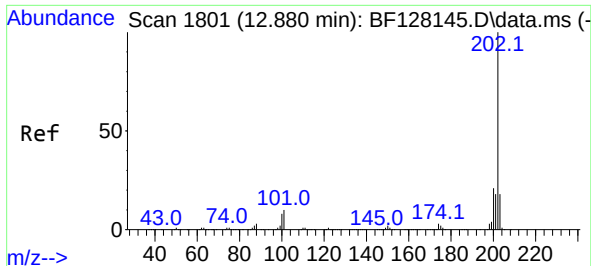


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



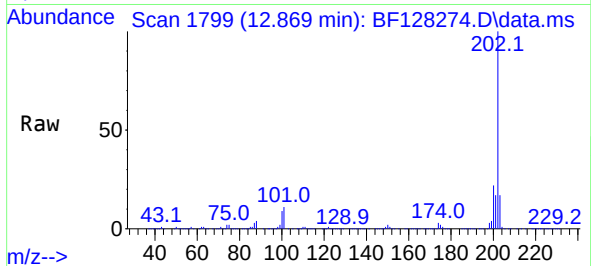
Tgt Ion:240 Resp: 206202
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 25.1 20.3 30.5





#78
Pyrene
Concen: 37.359 ng
RT: 12.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

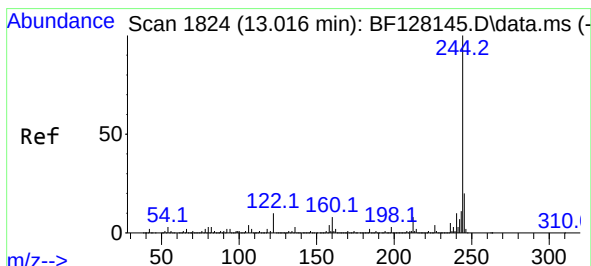
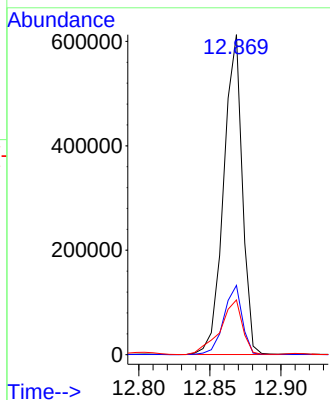
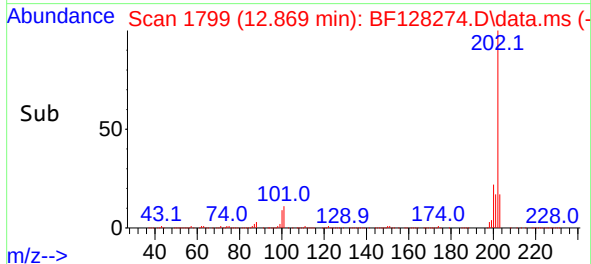
Instrument :
BNA_F
ClientSampleId :
SC-1DL



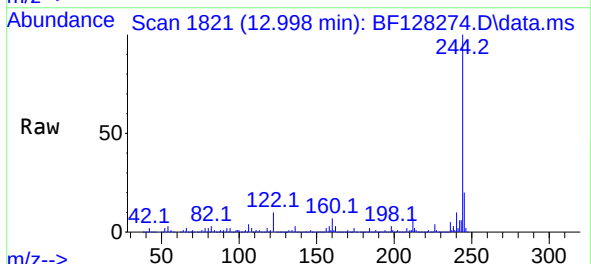
Tgt Ion:202 Resp: 558578
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.1 14.0 21.0

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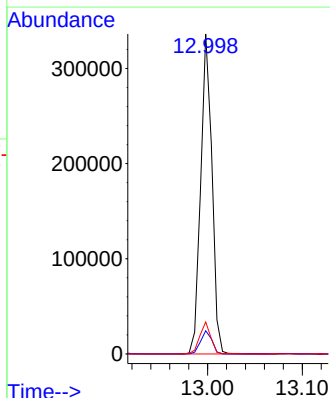
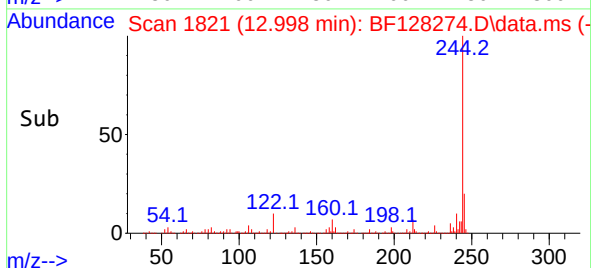
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

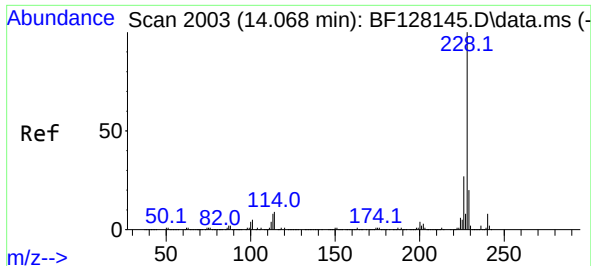


#79
Terphenyl-d14
Concen: 25.381 ng
RT: 12.998 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



Tgt Ion:244 Resp: 278914
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 10.0 8.6 12.8





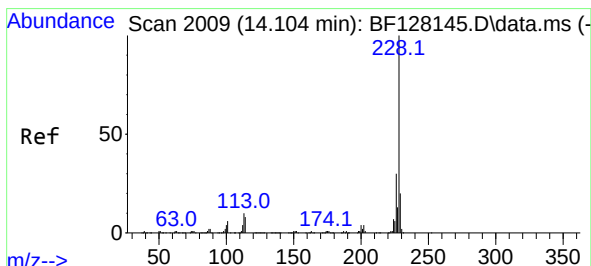
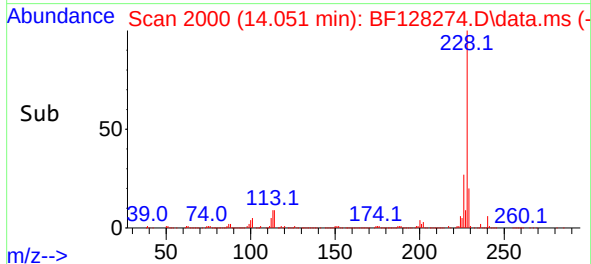
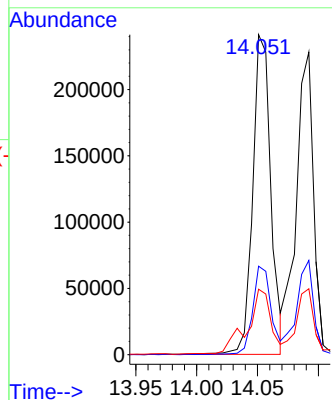
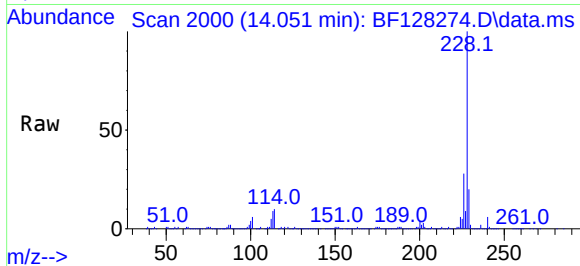
#81
Benzo(a)anthracene
Concen: 18.878 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Instrument :
BNA_F
ClientSampleId :
SC-1DL

Tgt Ion:228 Resp: 24863
Ion Ratio Lower Upper
228 100
226 27.6 21.7 32.5
229 20.4 15.4 23.2

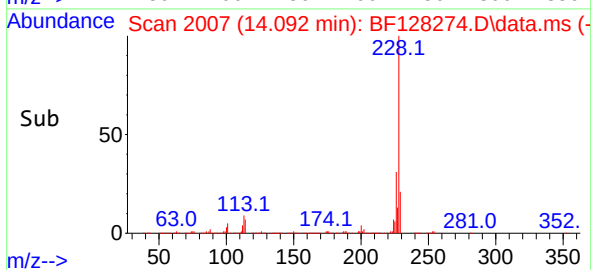
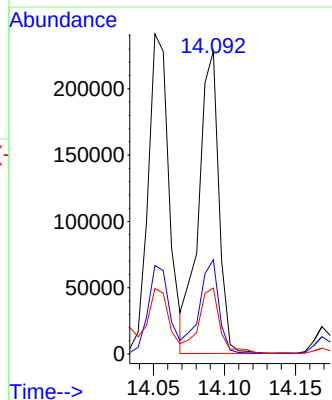
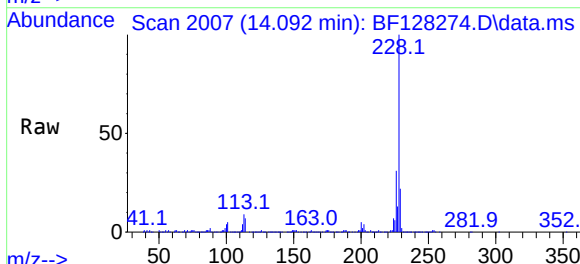
Manual Integrations
APPROVED

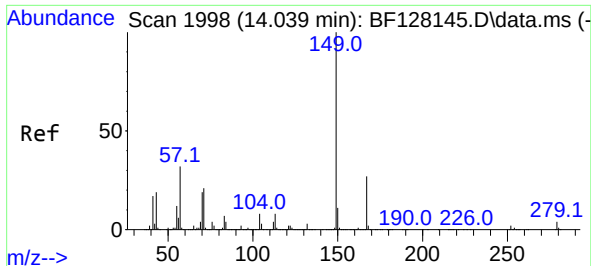
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022



#83
Chrysene
Concen: 18.004 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

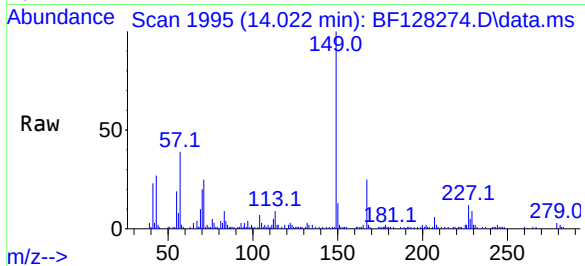
Tgt Ion:228 Resp: 226259
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 21.8 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.261 ng
RT: 14.022 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

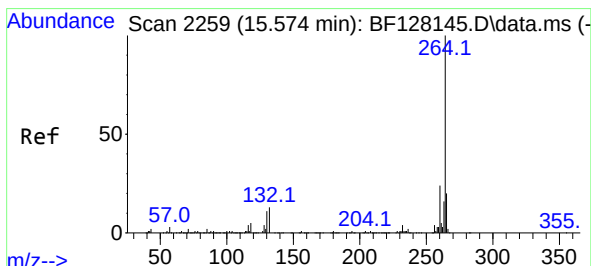
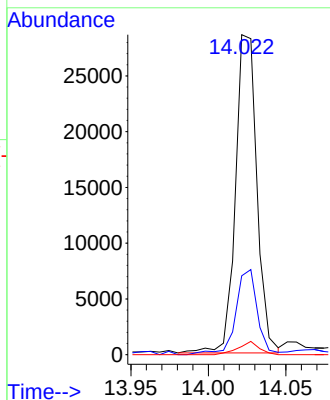
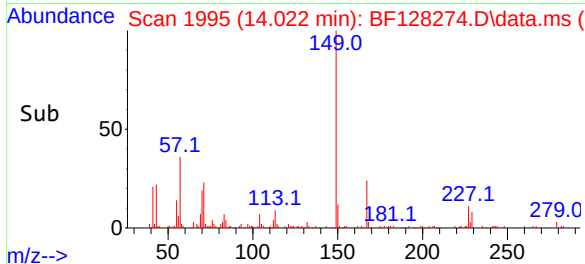
Instrument :
BNA_F
ClientSampleId :
SC-1DL



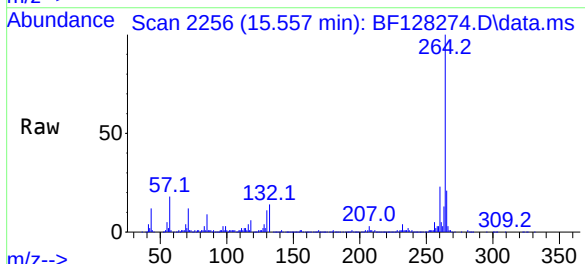
Tgt Ion:149 Resp: 2738
Ion Ratio Lower Upper
149 100
167 24.7 22.0 33.0
279 2.5 3.4 5.0

Manual Integrations
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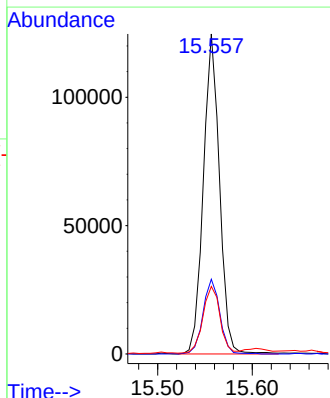
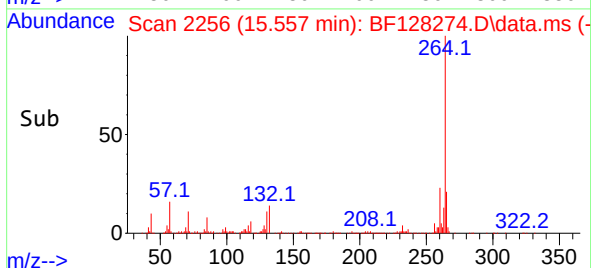
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

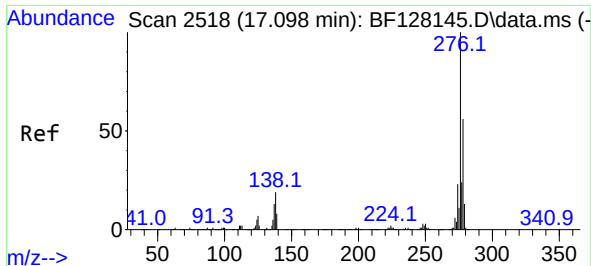


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



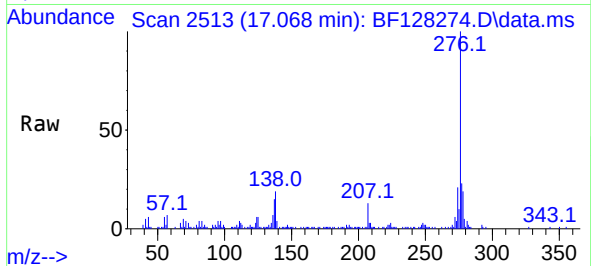
Tgt Ion:264 Resp: 147728
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 21.1 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.160 ng
RT: 17.068 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

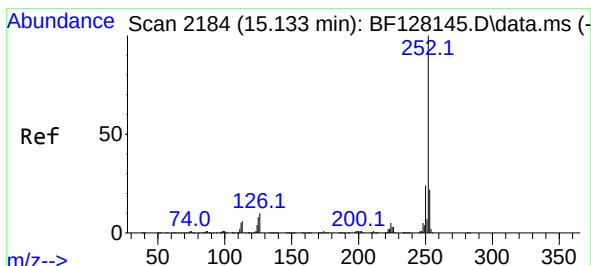
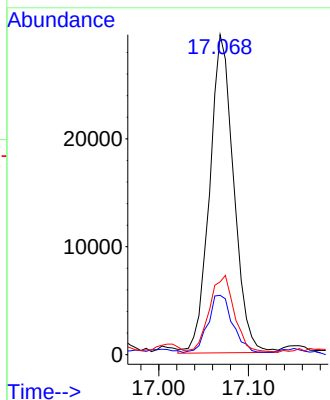
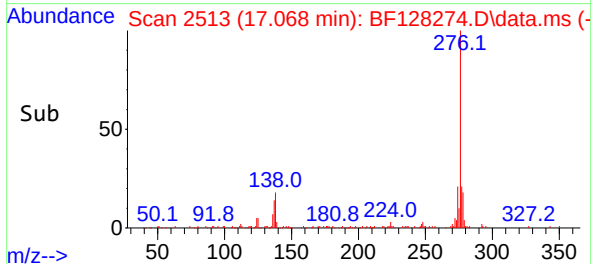
Instrument :
BNA_F
ClientSampleId :
SC-1DL



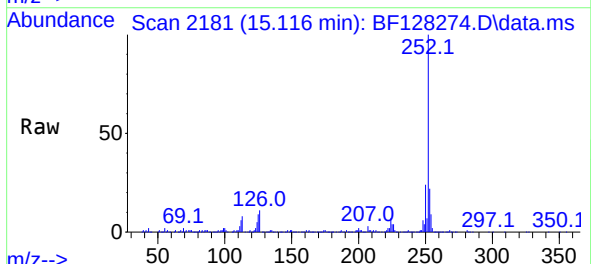
Tgt Ion:276 Resp: 55049
Ion Ratio Lower Upper
276 100
138 19.4 19.0 28.4
277 24.9 20.1 30.1

Manual Integrations
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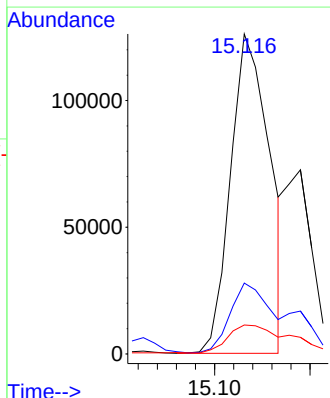
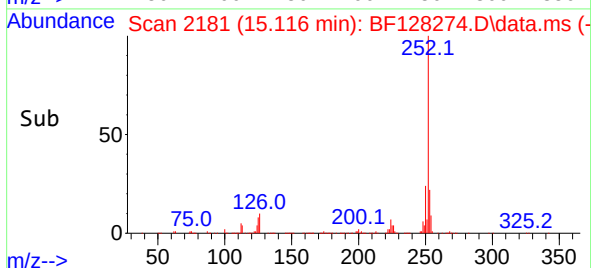
Reviewed By :Christian Giraldo 05/17/2022
Supervised By :Jagrut Upadhyay 05/17/2022

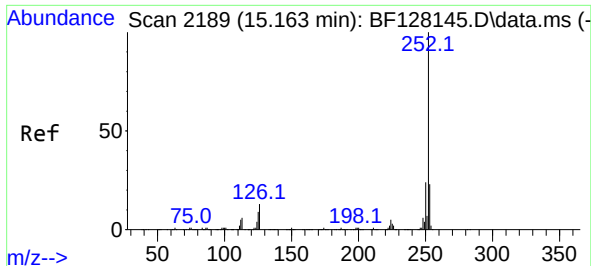


#88
Benzo(b)fluoranthene
Concen: 19.598 ng m
RT: 15.116 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13



Tgt Ion:252 Resp: 179472
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.1 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 7.670 ng m

RT: 15.145 min Scan# 2186

Delta R.T. -0.006 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

Instrument :

BNA_F

ClientSampleId :

SC-1DL

Tgt Ion:252 Resp: 69330

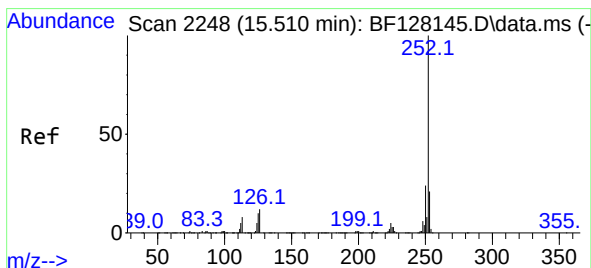
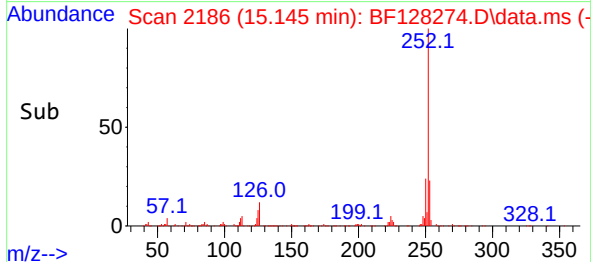
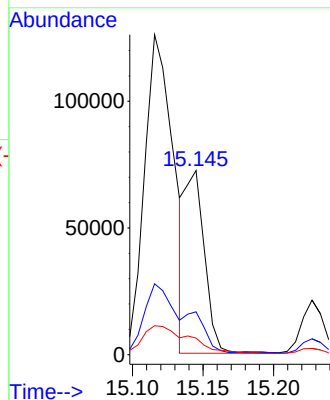
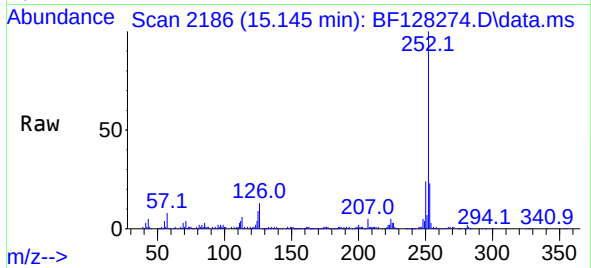
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.4
125	9.0	6.8	10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/17/2022

Supervised By :Jagrut Upadhyay 05/17/2022



#90

Benzo(a)pyrene

Concen: 14.920 ng

RT: 15.492 min Scan# 2245

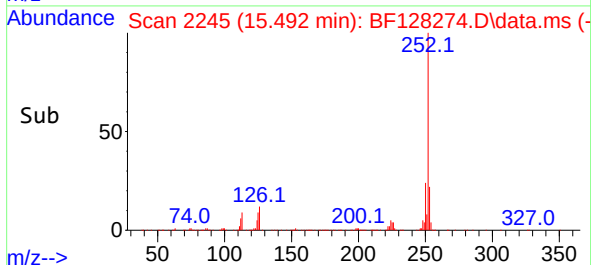
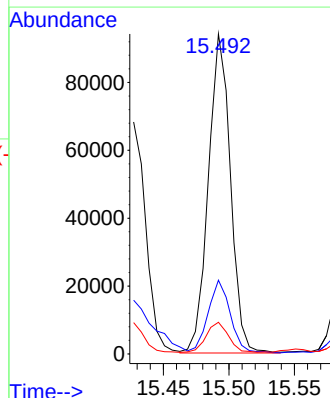
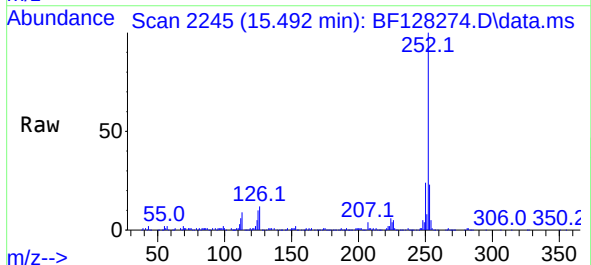
Delta R.T. -0.006 min

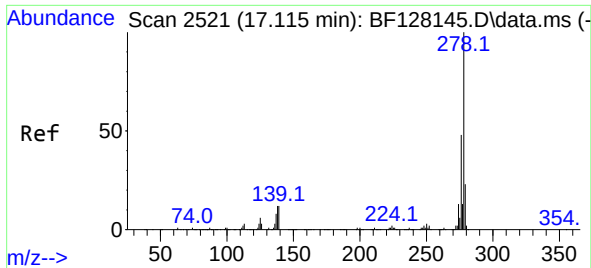
Lab File: BF128274.D

Acq: 16 May 2022 18:13

Tgt Ion:252 Resp: 110306

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	9.9	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.103 ng m

RT: 17.074 min Scan# 2514

Delta R.T. -0.023 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

Instrument :

BNA_F

ClientSampleId :

SC-1DL

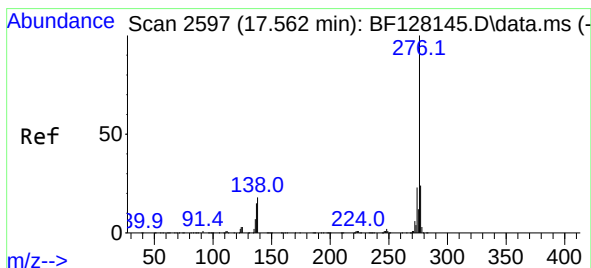
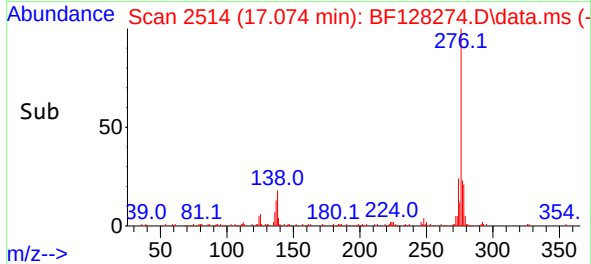
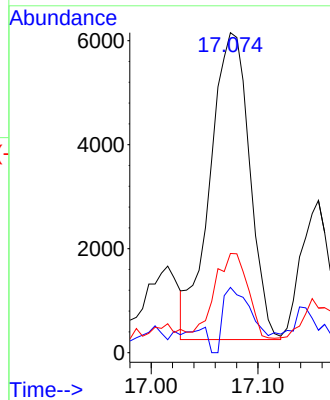
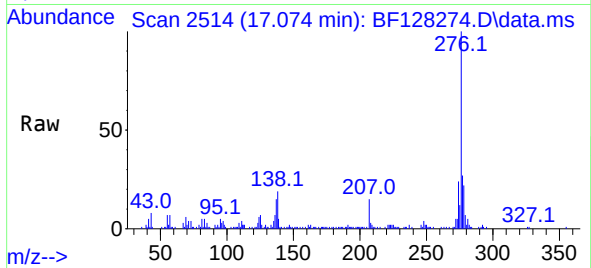
Tgt Ion: 278 Resp: 1521

Ion	Ratio	Lower	Upper
278	100		
139	20.4	12.6	19.0
279	31.0	18.9	28.3

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/17/2022
Supervised By : Jagrut Upadhyay 05/17/2022



#92

Benzo(g,h,i)perylene

Concen: 6.823 ng

RT: 17.527 min Scan# 2591

Delta R.T. -0.023 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

Tgt Ion: 276 Resp: 49984

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	19.6	16.2	24.2

