

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128181.D
 Acq On : 11 May 2022 01:16
 Operator : CG\JU
 Sample : N2755-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/11/2022
 Supervised By : Jagrut Upadhyay 05/11/2022

Quant Time: May 11 04:02:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	69471	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	267211	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	146421	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	242548	20.000	ng	0.00
76) Chrysene-d12	14.068	240	159787	20.000	ng	-0.01
86) Perylene-d12	15.568	264	147024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	445460	102.219	ng	0.00
7) Phenol-d6	6.522	99	577277	100.152	ng	0.00
23) Nitrobenzene-d5	7.457	82	404856	68.175	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	140103	83.431	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	669544	71.549	ng	0.00
79) Terphenyl-d14	13.010	244	594199	69.778	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.792	152	47169	3.947	ng	99
58) Fluorene	10.480	166	20346	2.220	ng	# 98
71) Phenanthrene	11.445	178	310495	25.709	ng	100
72) Anthracene	11.498	178	59253	4.914	ng	99
73) Carbazole	11.657	167	27783	2.423	ng	98
75) Fluoranthene	12.639	202	412678	31.517	ng	99
78) Pyrene	12.874	202	428413	36.977	ng	99
81) Benzo(a)anthracene	14.057	228	173103	16.961	ng	96
83) Chrysene	14.098	228	197517	20.283	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	19156	2.943	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.080	276	75534	8.493	ng	# 94
88) Benzo(b)fluoranthene	15.127	252	214674m	23.554	ng	
89) Benzo(k)fluoranthene	15.151	252	62555m	6.953	ng	
90) Benzo(a)pyrene	15.504	252	141572	19.241	ng	97
91) Dibenzo(a,h)anthracene	17.092	278	20039m	2.783	ng	
92) Benzo(g,h,i)perylene	17.545	276	74288	10.190	ng	97

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

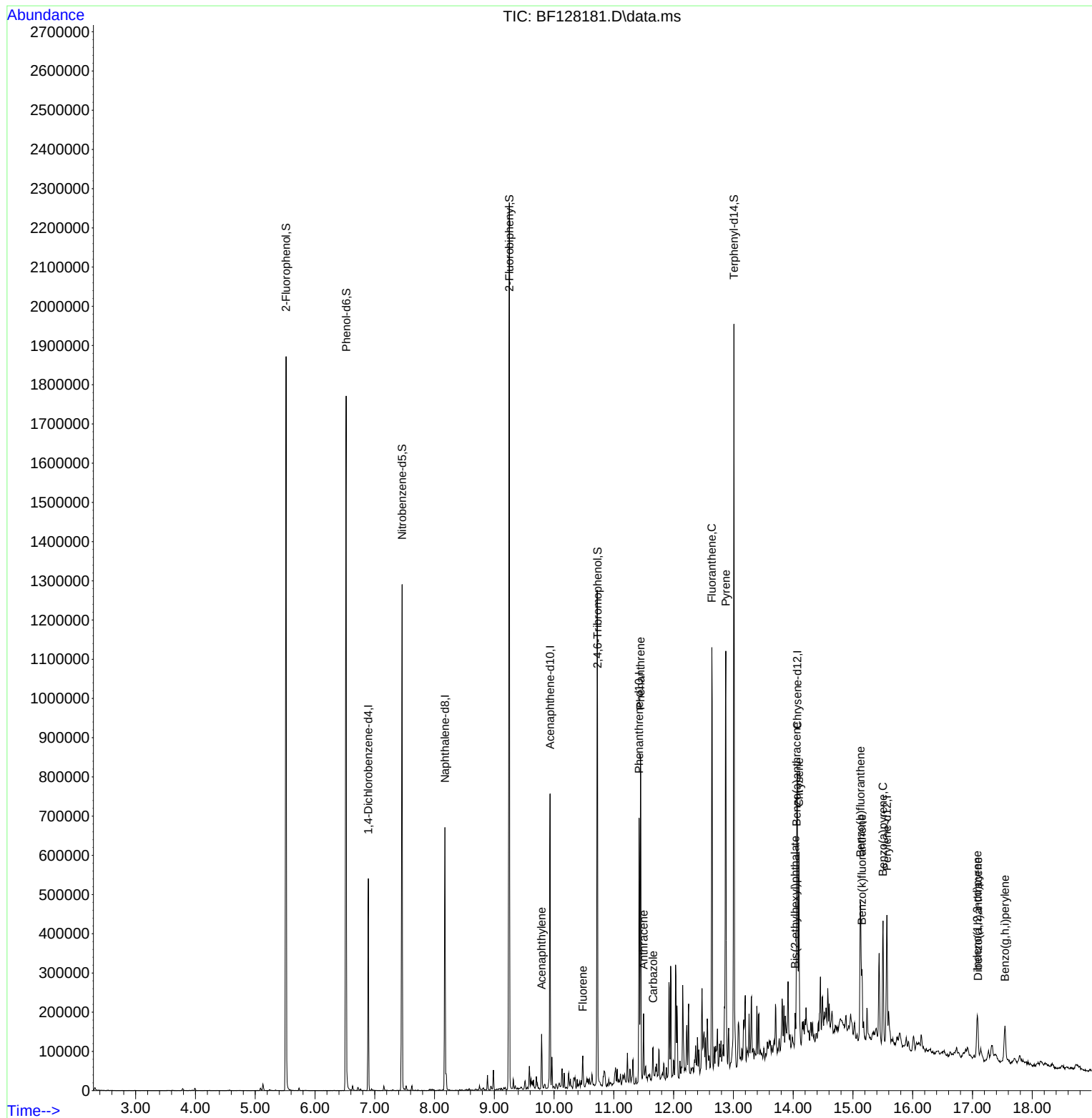
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
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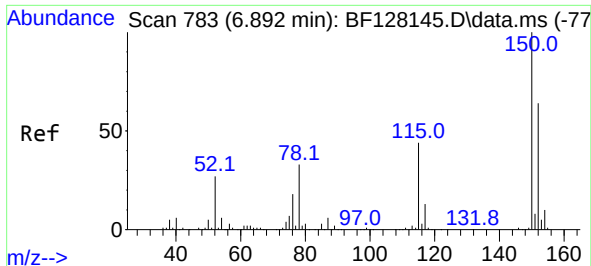
Instrument :
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Quant Time: May 11 04:02:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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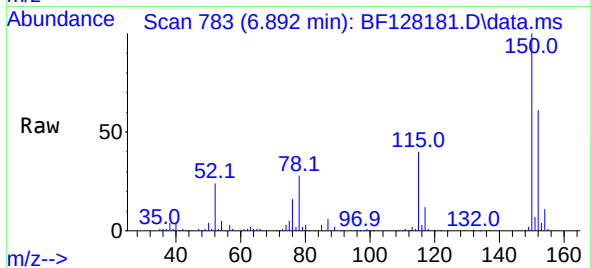
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 783
Delta R.T. 0.000 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

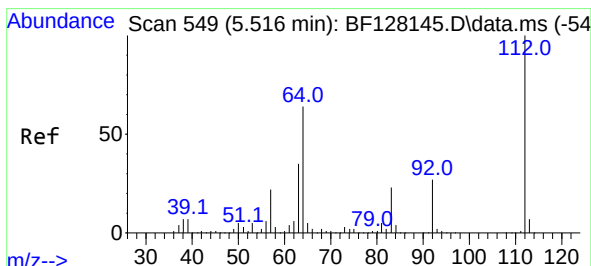
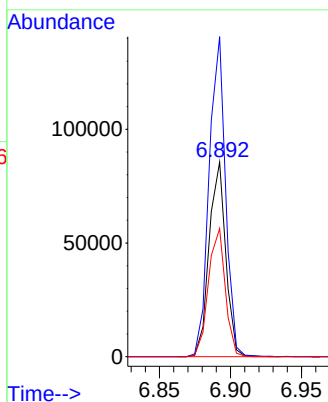
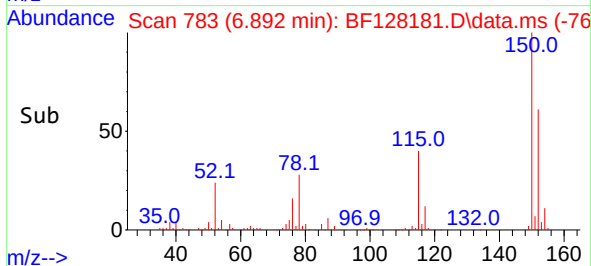
Instrument :
BNA_F
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VNJ-221



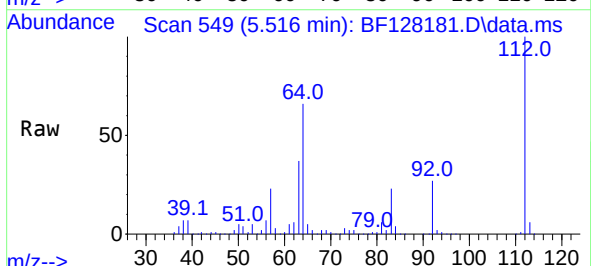
Tgt Ion:152 Resp: 6947
Ion Ratio Lower Upper
152 100
150 164.3 125.3 187.9
115 65.8 48.8 73.2

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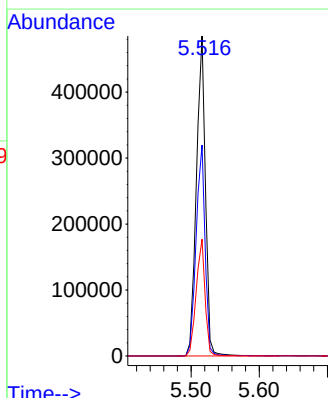
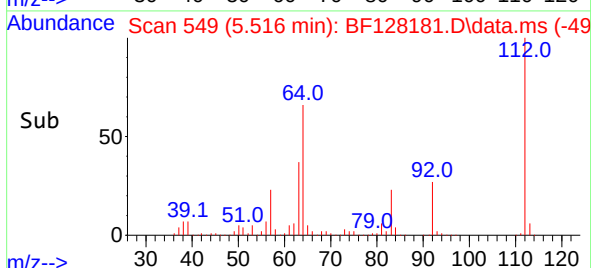
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

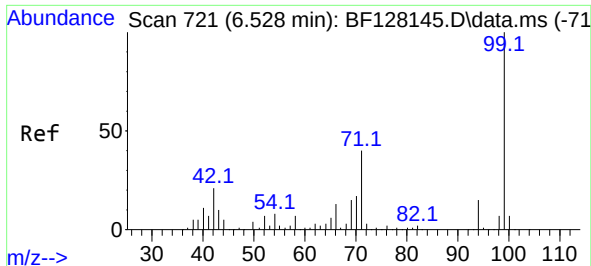


#5
2-Fluorophenol
Concen: 102.219 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.000 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16



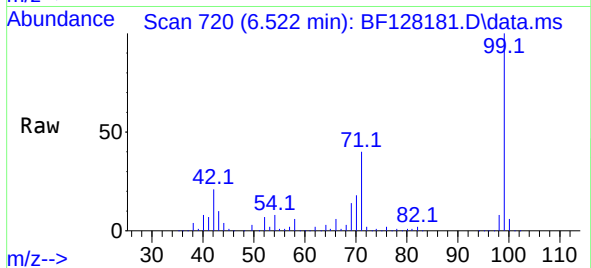
Tgt Ion:112 Resp: 445460
Ion Ratio Lower Upper
112 100
64 65.9 49.5 74.3
63 36.5 26.3 39.5





#7
Phenol-d6
Concen: 100.152 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

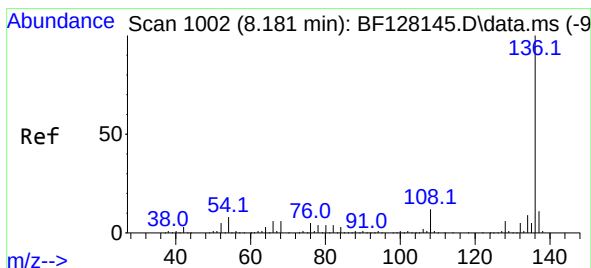
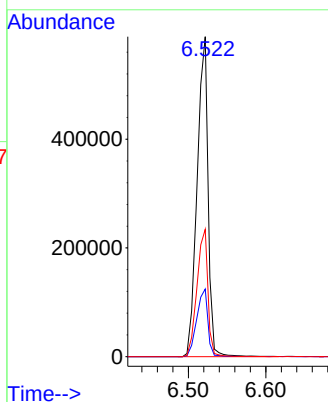
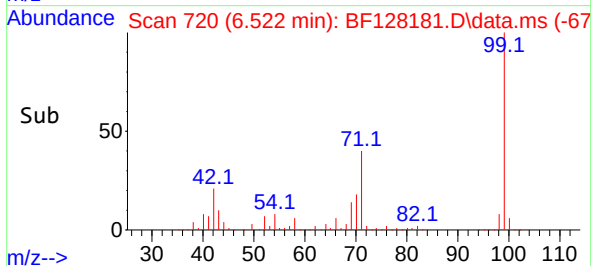
Instrument :
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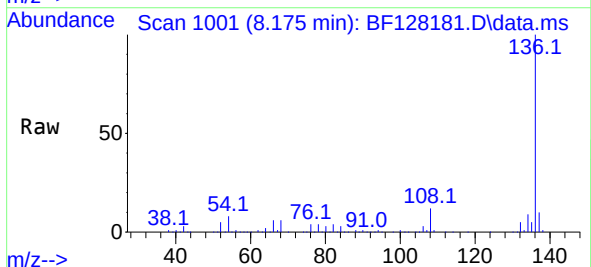
Tgt Ion: 99 Resp: 57727
Ion Ratio Lower Upper
99 100
42 21.2 16.6 24.8
71 39.8 30.0 45.0

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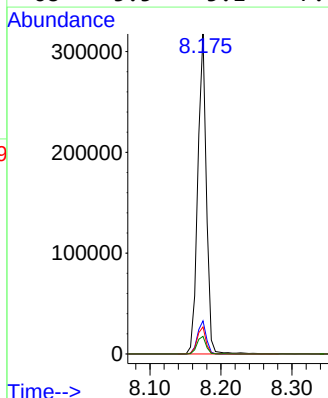
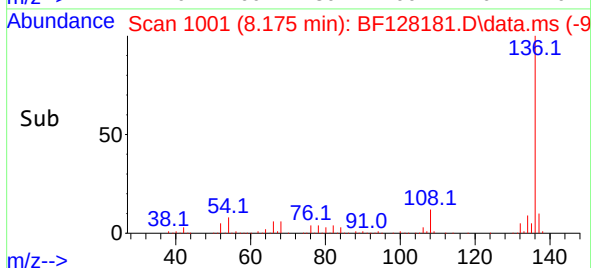
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

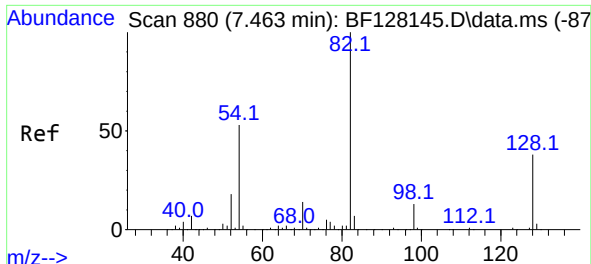


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16



Tgt Ion:136 Resp: 267211
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.4 6.8 10.2
68 5.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 68.175 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

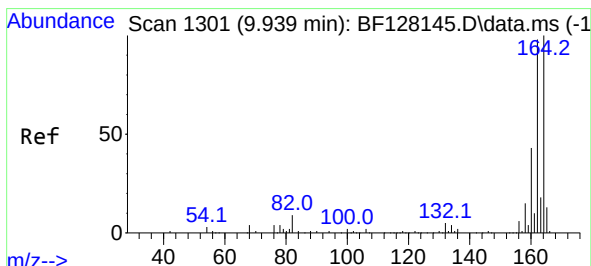
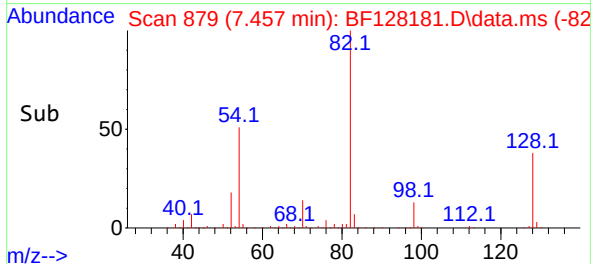
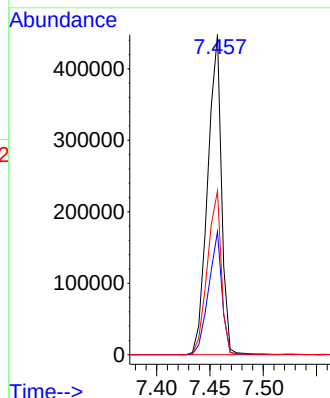
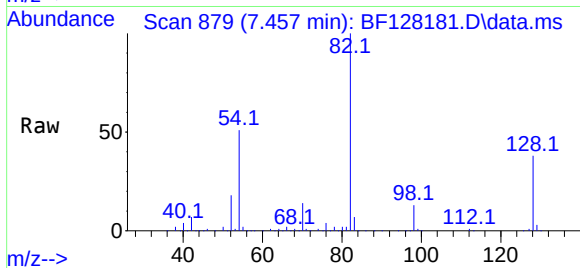
VNJ-221

Tgt Ion: 82 Resp: 404850
Ion Ratio Lower Upper
82 100
128 38.4 30.0 45.0
54 51.2 41.3 61.9

Manual Integrations

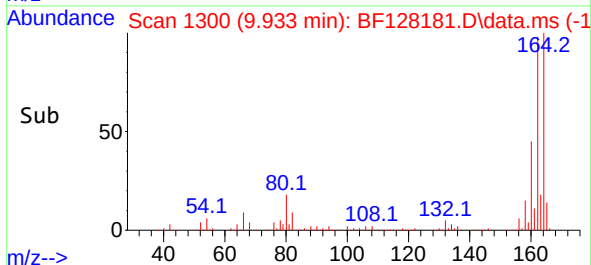
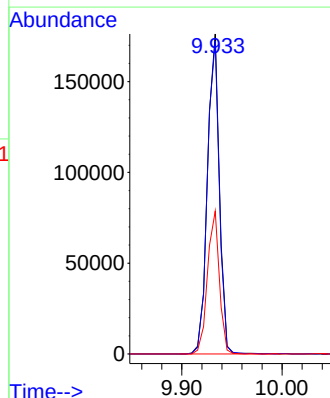
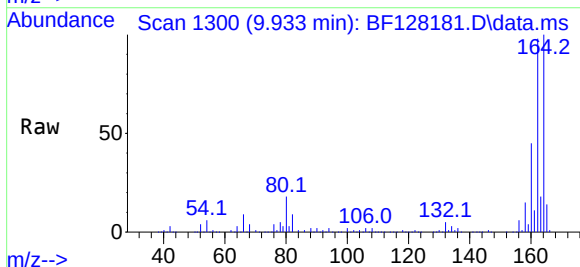
APPROVED

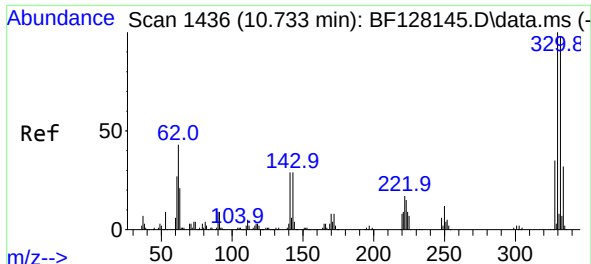
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:164 Resp: 146421
Ion Ratio Lower Upper
164 100
162 97.8 76.0 114.0
160 44.6 34.8 52.2





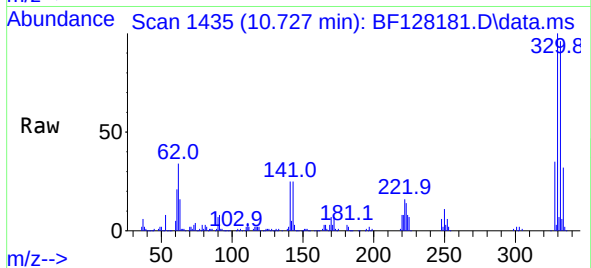
#42
2,4,6-Tribromophenol
Concen: 83.431 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

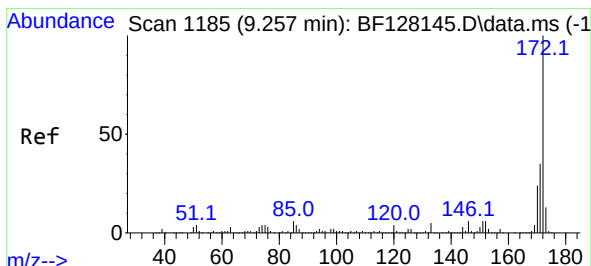
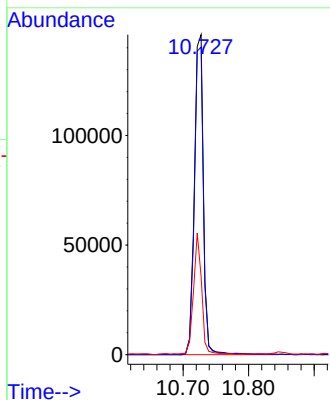
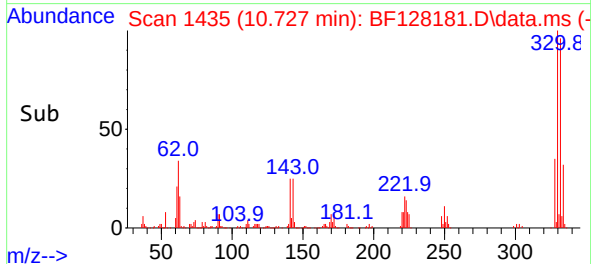


Tgt Ion:330 Resp: 14010
Ion Ratio Lower Upper
330 100
332 95.9 79.0 118.4
141 33.9 28.9 43.3

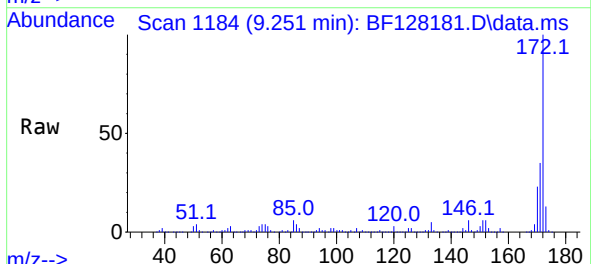
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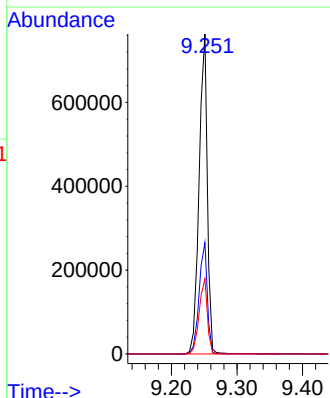
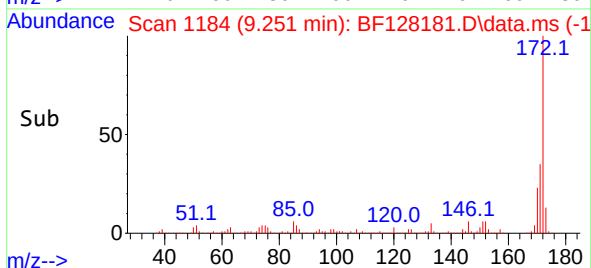
Reviewed By :Christian Giraldo 05/11/2022
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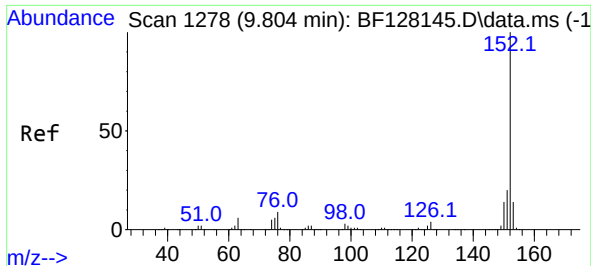


#45
2-Fluorobiphenyl
Concen: 71.549 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16



Tgt Ion:172 Resp: 669544
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 23.5 19.1 28.7





#49

Acenaphthylene

Concen: 3.947 ng

RT: 9.792 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

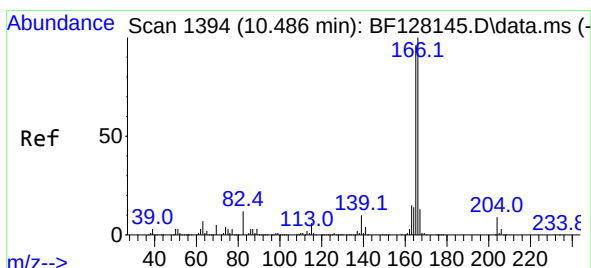
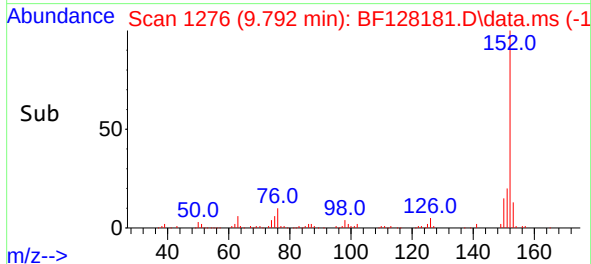
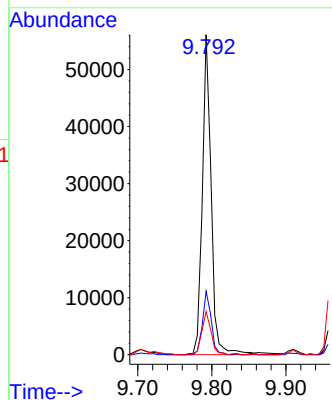
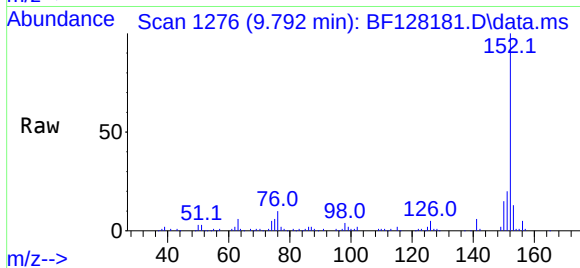
VNJ-221

Tgt Ion:	152	Resp:	47169
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.2	24.2
153	13.5	11.2	16.8

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2022
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#58

Fluorene

Concen: 2.220 ng

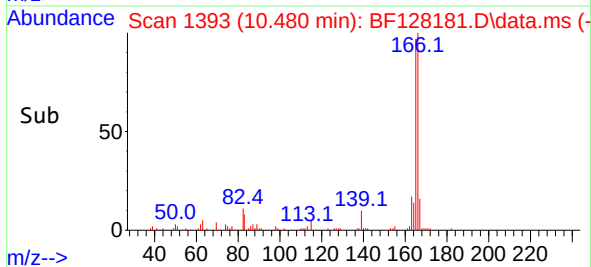
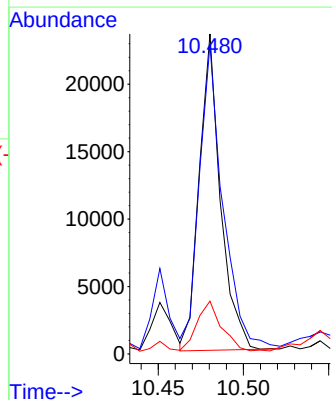
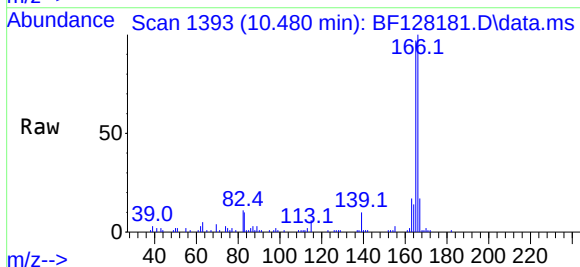
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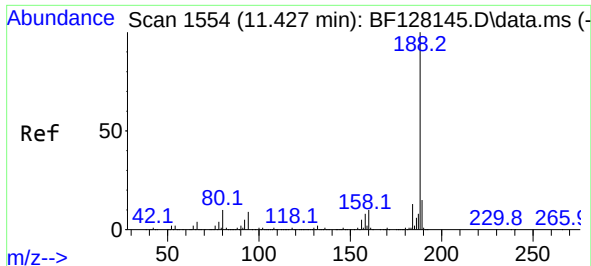
Delta R.T. -0.006 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Tgt Ion:	166	Resp:	20346
Ion Ratio	Lower	Upper	
166	100		
165	96.9	78.6	117.8
167	16.5	10.5	15.7#





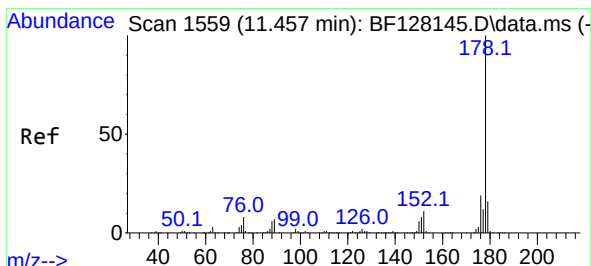
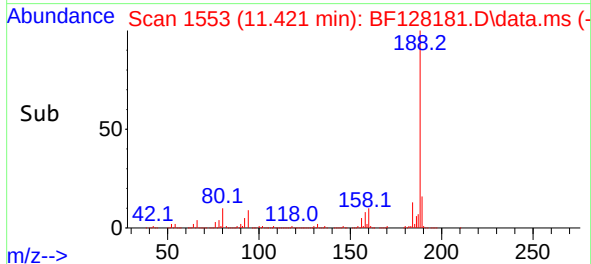
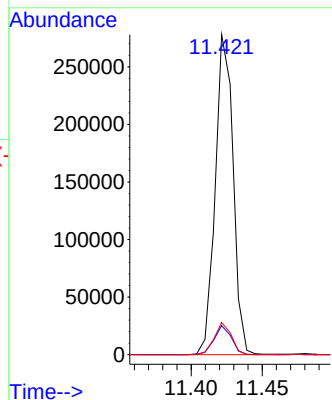
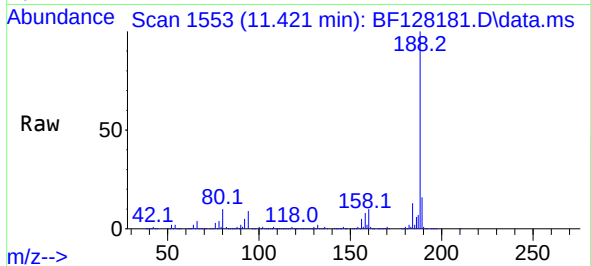
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

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Tgt Ion:188 Resp: 242548
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.0 8.9 13.3

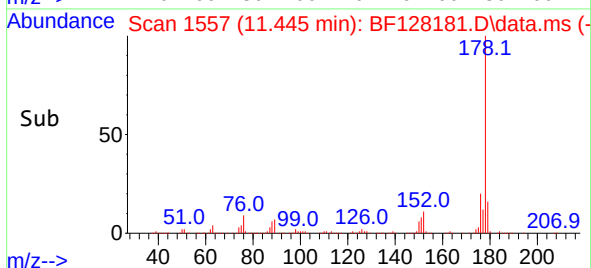
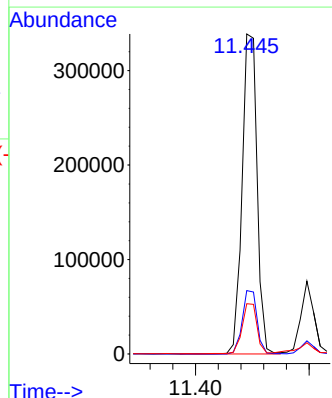
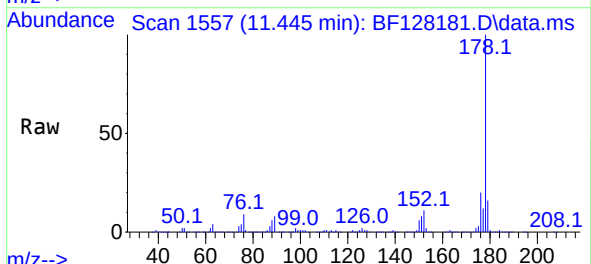
Manual Integrations
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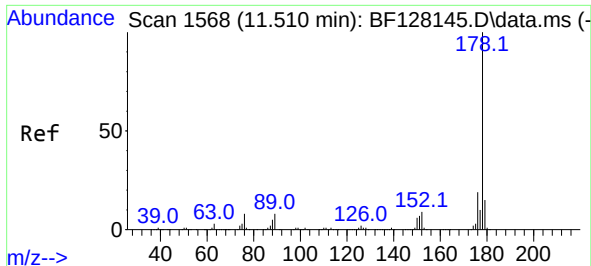
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#71
Phenanthrene
Concen: 25.709 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

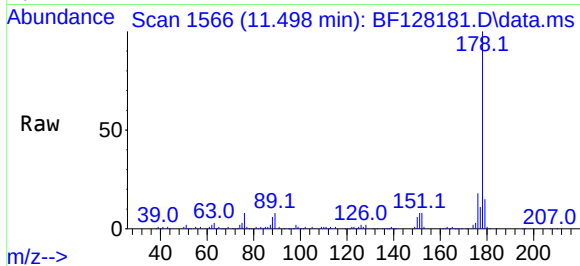
Tgt Ion:178 Resp: 310495
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 4.914 ng
 RT: 11.498 min Scan# 1566
 Delta R.T. -0.012 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

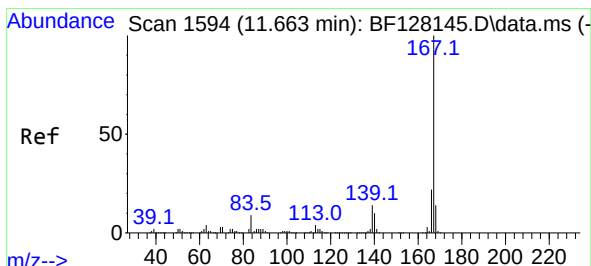
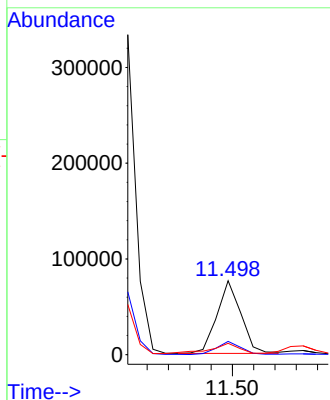
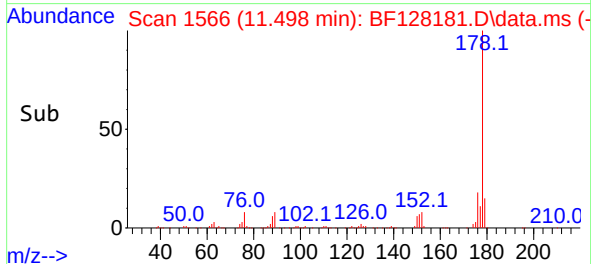
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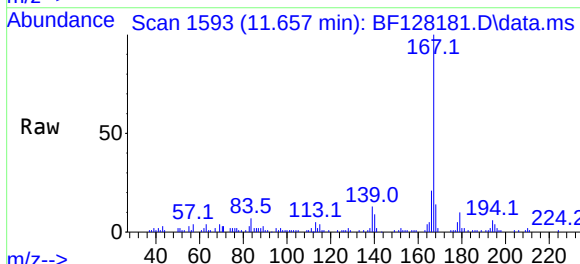
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 Ion Ratio Lower Upper
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 176 18.0 15.0 22.6
 179 15.3 12.4 18.6

Manual Integrations
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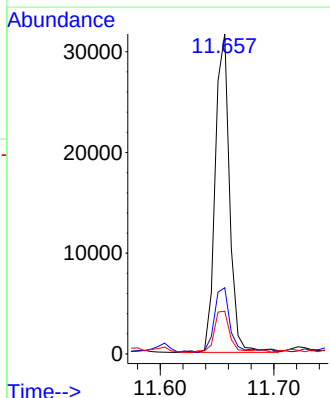
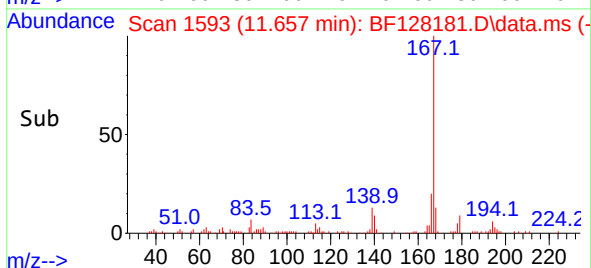
Reviewed By :Christian Giraldo 05/11/2022
 Supervised By :Jagrut Upadhyay 05/11/2022

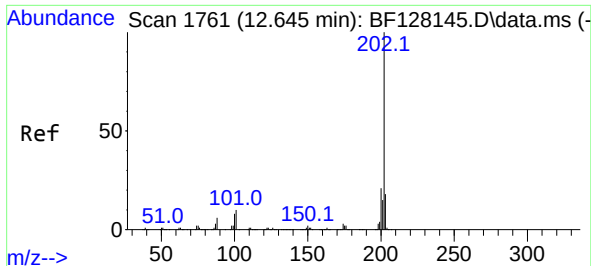


#73
 Carbazole
 Concen: 2.423 ng
 RT: 11.657 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16



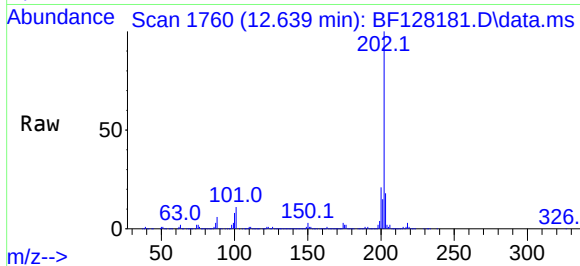
Tgt Ion:167 Resp: 27783
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.6 26.4
 139 13.3 10.7 16.1





#75
Fluoranthene
Concen: 31.517 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

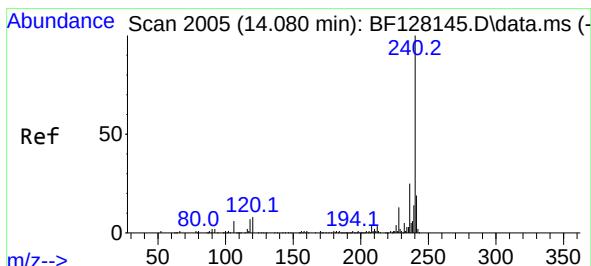
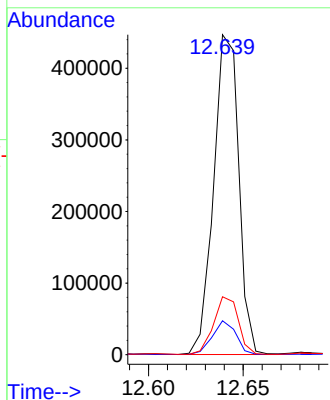
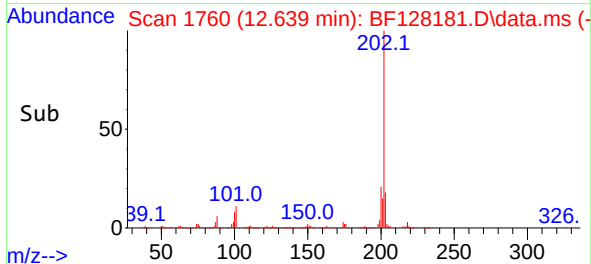
Instrument :
BNA_F
ClientSampleId :
VNJ-221



Tgt Ion:202 Resp: 412678
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.6
203 18.1 0.0 38.1

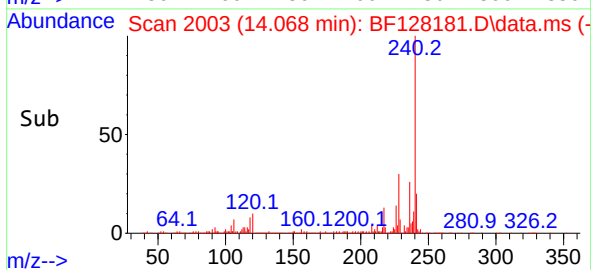
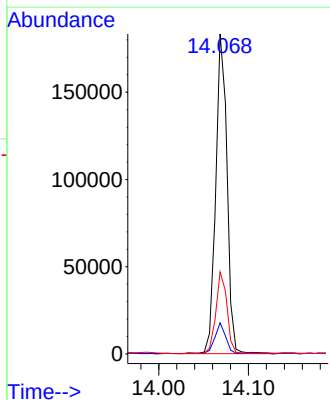
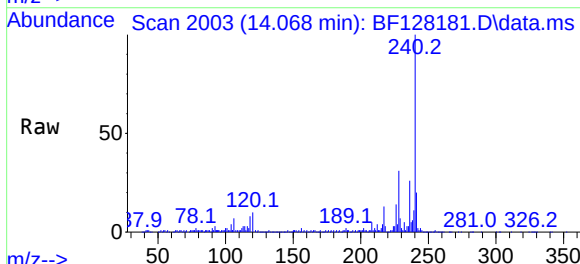
Manual Integrations
APPROVED

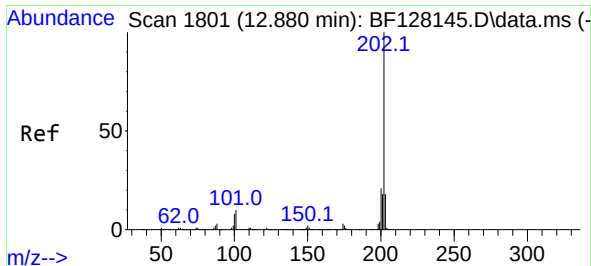
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:240 Resp: 159787
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 25.7 20.3 30.5





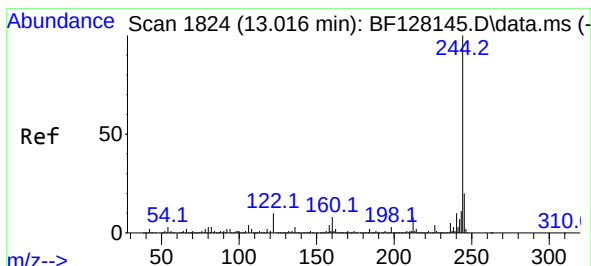
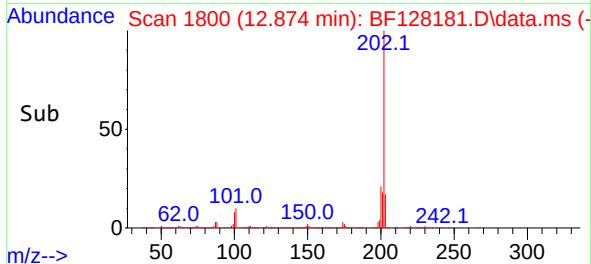
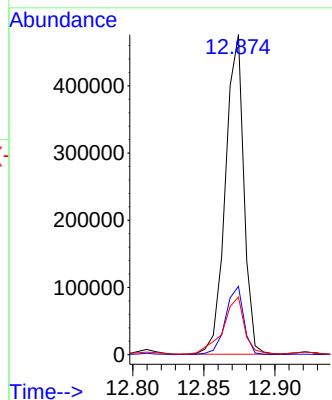
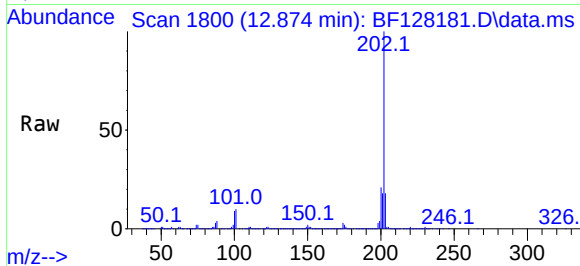
#78
Pyrene
Concen: 36.977 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tgt Ion:202 Resp: 42841
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.0 14.0 21.0

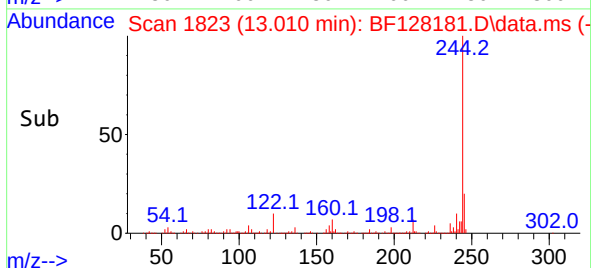
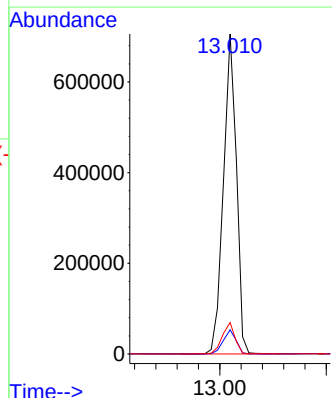
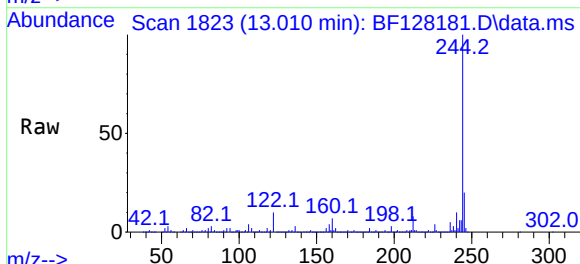
Manual Integrations
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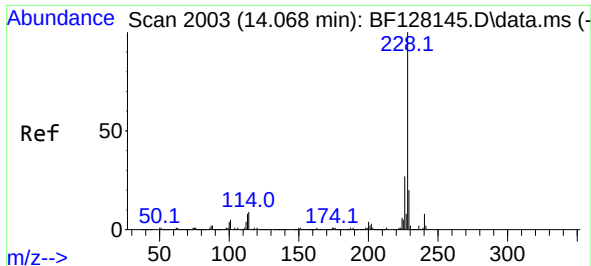
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#79
Terphenyl-d14
Concen: 69.778 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:244 Resp: 594199
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 9.8 8.6 12.8





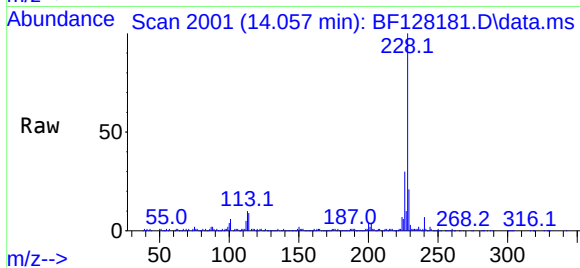
#81
Benzo(a)anthracene
Concen: 16.961 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

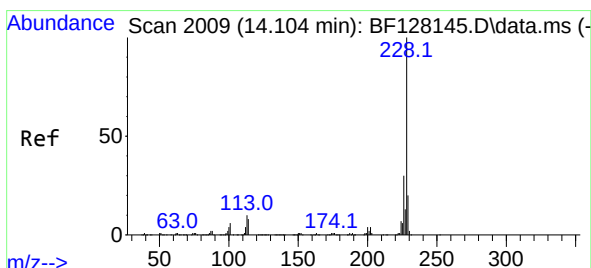
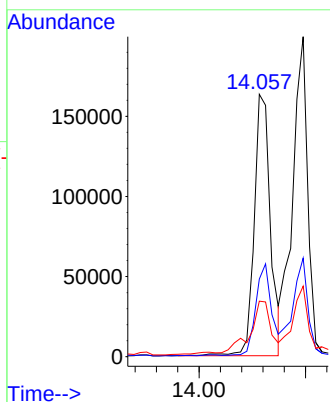
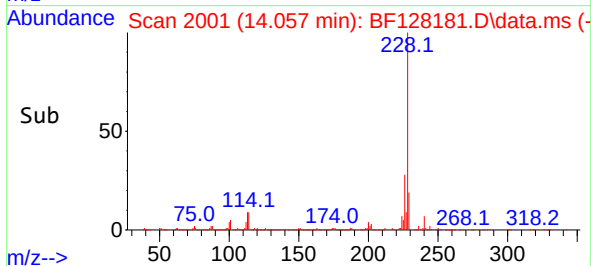


Tgt Ion:228 Resp: 17310
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 21.1 15.4 23.2

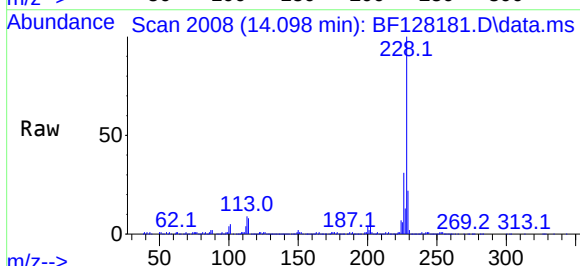
Manual Integrations

APPROVED

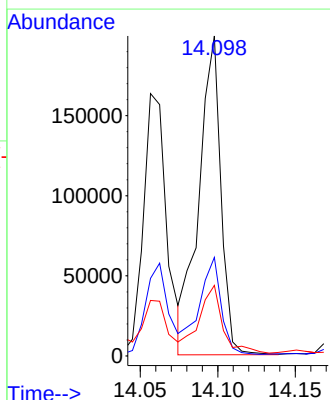
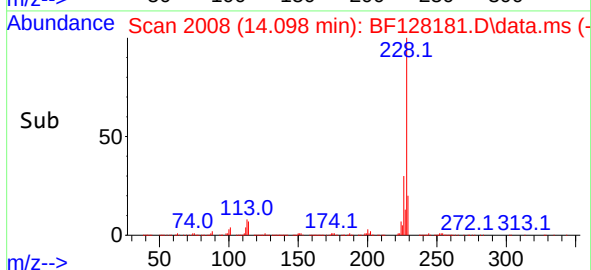
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

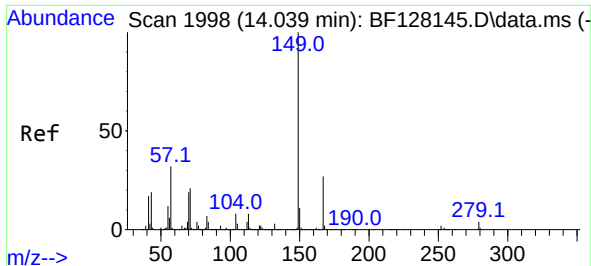


#83
Chrysene
Concen: 20.283 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16



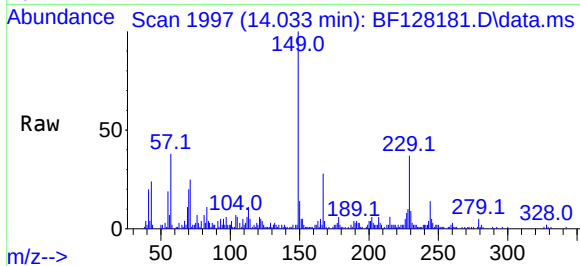
Tgt Ion:228 Resp: 197517
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.0 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.943 ng
RT: 14.033 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

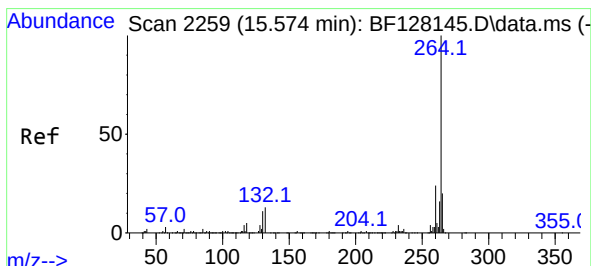
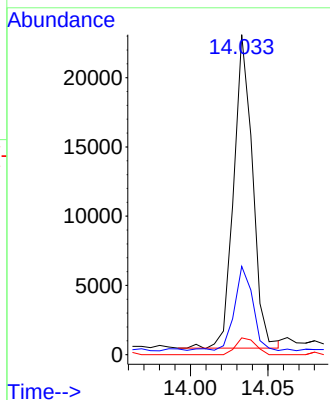
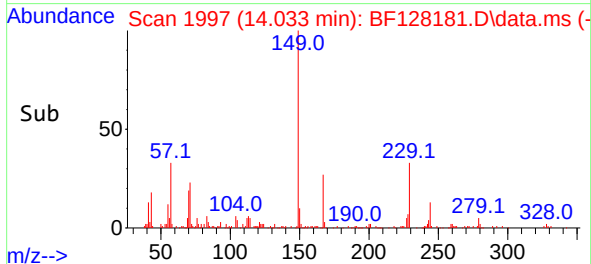
Instrument :
BNA_F
ClientSampleId :
VNJ-221



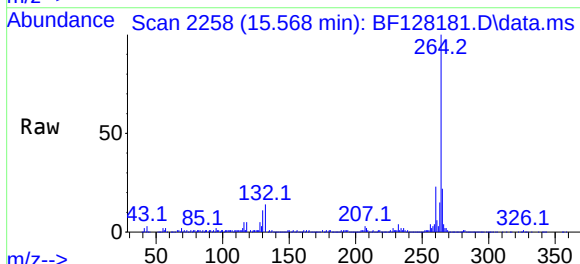
Tgt Ion:149 Resp: 19150
Ion Ratio Lower Upper
149 100
167 27.6 22.0 33.0
279 5.3 3.4 5.0

Manual Integrations
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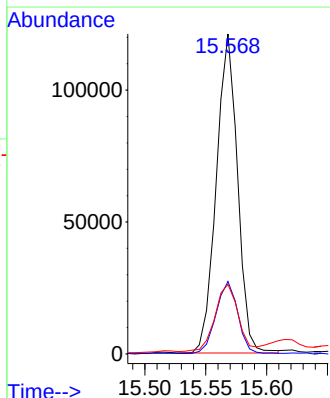
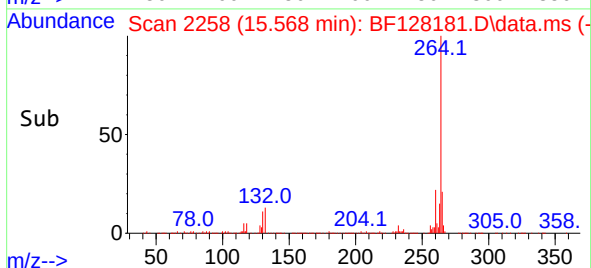
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022

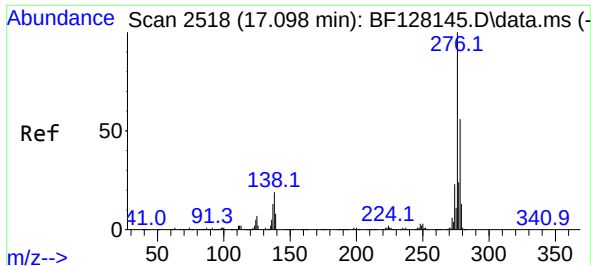


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16



Tgt Ion:264 Resp: 147024
Ion Ratio Lower Upper
264 100
260 22.6 20.1 30.1
265 21.8 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.493 ng
RT: 17.080 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

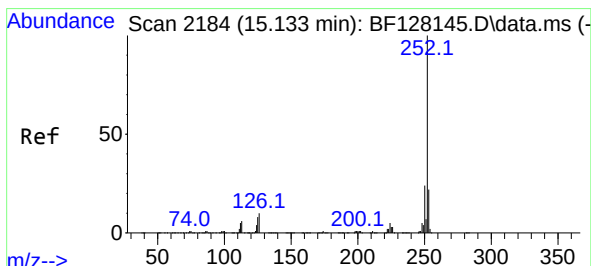
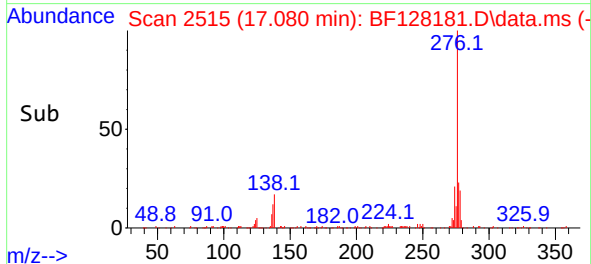
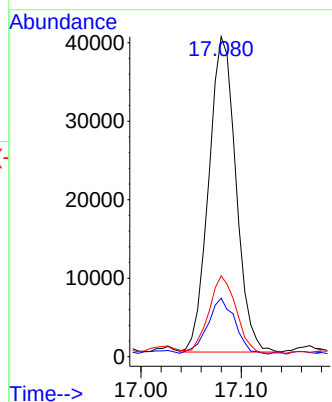
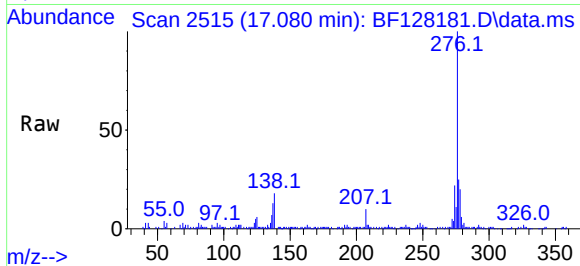
VNJ-221

Tgt Ion:276 Resp: 75534
Ion Ratio Lower Upper
276 100
138 18.3 19.0 28.4
277 24.6 20.1 30.1

Manual Integrations

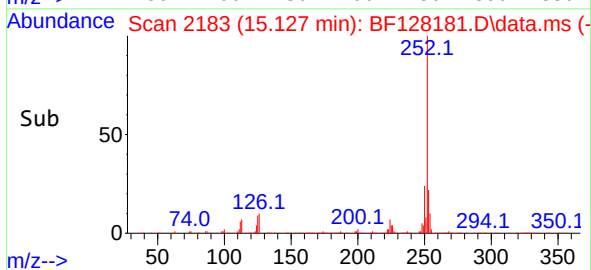
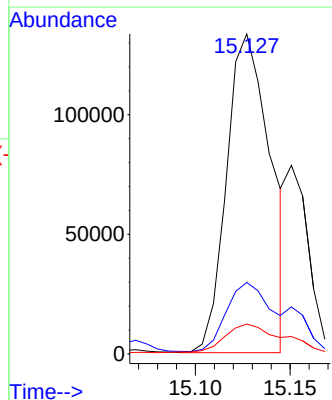
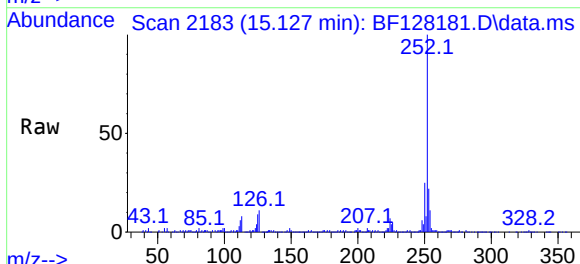
APPROVED

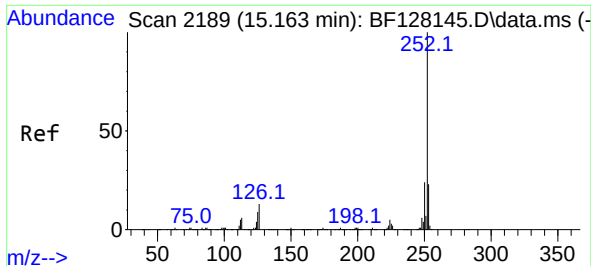
Reviewed By :Christian Giraldo 05/11/2022
Supervised By :Jagrut Upadhyay 05/11/2022



#88
Benzo(b)fluoranthene
Concen: 23.554 ng m
RT: 15.127 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:252 Resp: 214674
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 9.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 6.953 ng m

RT: 15.151 min Scan# 2189

Delta R.T. -0.012 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

Tgt Ion:252 Resp: 6255

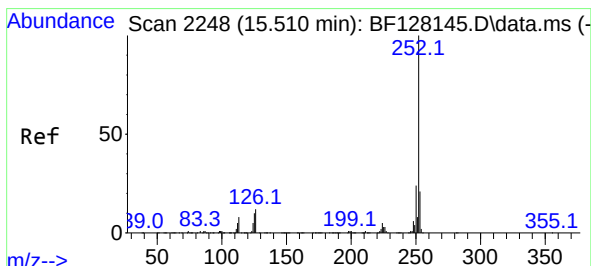
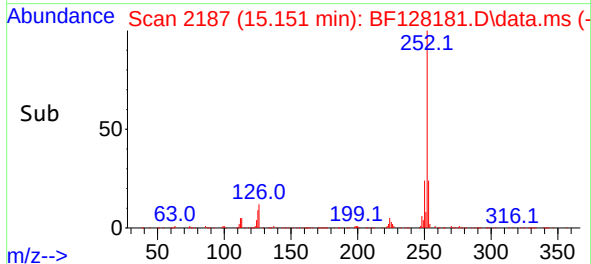
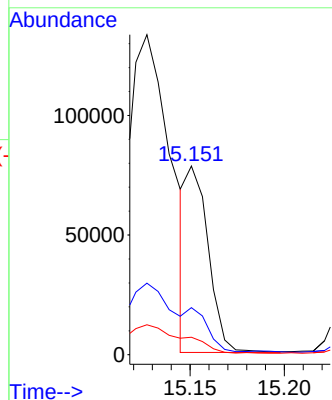
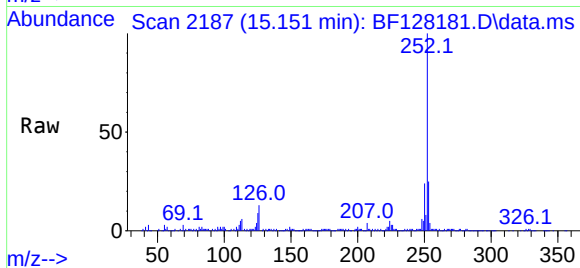
Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.4
125	9.3	6.8	10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2022

Supervised By :Jagrut Upadhyay 05/11/2022



#90

Benzo(a)pyrene

Concen: 19.241 ng

RT: 15.504 min Scan# 2247

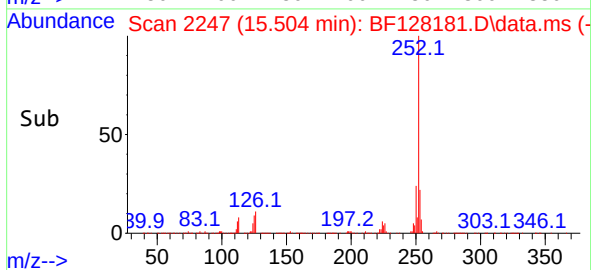
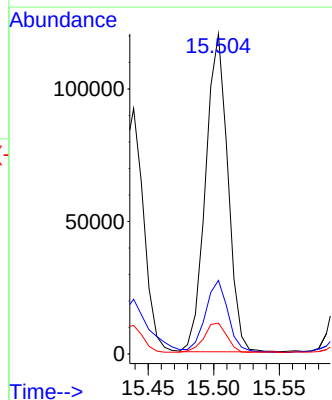
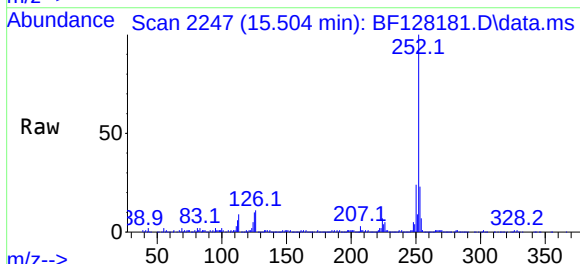
Delta R.T. -0.006 min

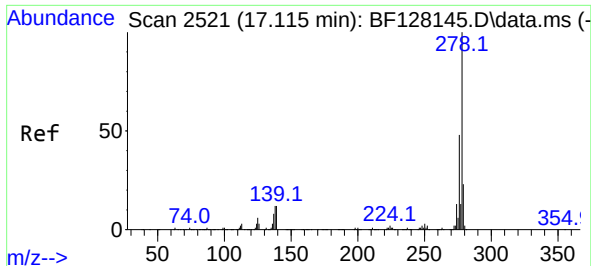
Lab File: BF128181.D

Acq: 11 May 2022 01:16

Tgt Ion:252 Resp: 141572

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	9.6	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.783 ng m

RT: 17.092 min Scan# 2517

Delta R.T. -0.024 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

Tgt Ion:278 Resp: 20039

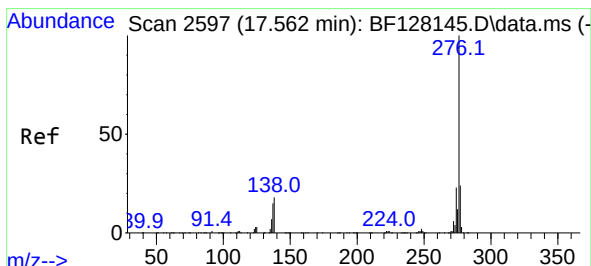
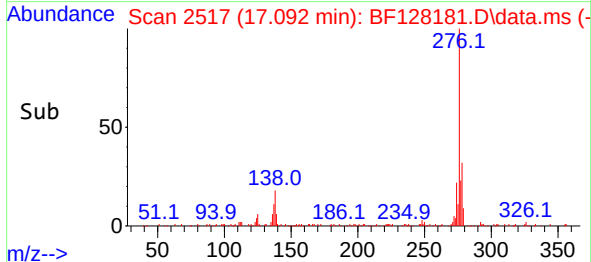
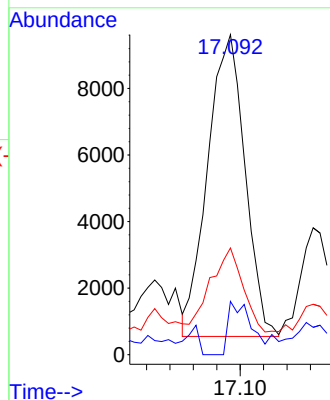
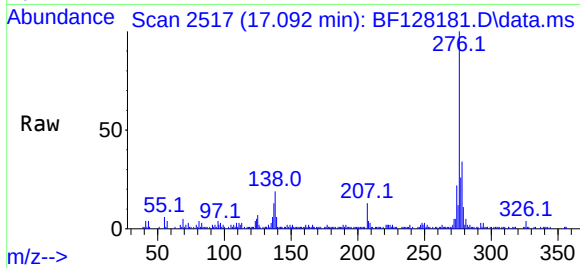
Ion	Ratio	Lower	Upper
278	100		
139	16.7	12.6	19.0
279	33.4	18.9	28.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/11/2022

Supervised By :Jagrut Upadhyay 05/11/2022



#92

Benzo(g,h,i)perylene

Concen: 10.190 ng

RT: 17.545 min Scan# 2594

Delta R.T. -0.018 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Tgt Ion:276 Resp: 74288

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.8	28.2
138	19.9	16.2	24.2

