

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133627.D
 Acq On : 07 Jun 2023 16:21
 Operator : CG\JU
 Sample : 03018-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 343

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 17:20:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	123540	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	450848	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	199025	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	326719	20.000	ng	0.00
76) Chrysene-d12	14.009	240	223170	20.000	ng	0.00
86) Perylene-d12	15.474	264	186399	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	536231	72.420	ng	0.00
7) Phenol-d6	6.463	99	657193	72.101	ng	0.00
23) Nitrobenzene-d5	7.398	82	440059	65.171	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	147723	74.460	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	728063	56.461	ng	0.00
79) Terphenyl-d14	12.951	244	570349	45.439	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	71709	3.281	ng	98
37) 2-Methylnaphthalene	8.827	142	33554	2.248	ng	97
49) Acenaphthylene	9.733	152	65659	3.283	ng	98
71) Phenanthrene	11.386	178	184669	11.160	ng	98
72) Anthracene	11.439	178	43834	2.574	ng	99
75) Fluoranthene	12.580	202	674388	36.895	ng	99
78) Pyrene	12.810	202	654538	34.466	ng	100
81) Benzo(a)anthracene	13.998	228	381260	25.645	ng	95
83) Chrysene	14.039	228	345569	23.025	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	190033m	16.005	ng	
88) Benzo(b)fluoranthene	15.051	252	449460m	37.030	ng	
89) Benzo(k)fluoranthene	15.074	252	118559m	10.017	ng	
90) Benzo(a)pyrene	15.415	252	287517	26.032	ng	97
91) Dibenzo(a,h)anthracene	16.945	278	44653m	4.638	ng	
92) Benzo(g,h,i)perylene	17.380	276	176511	18.184	ng	97

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

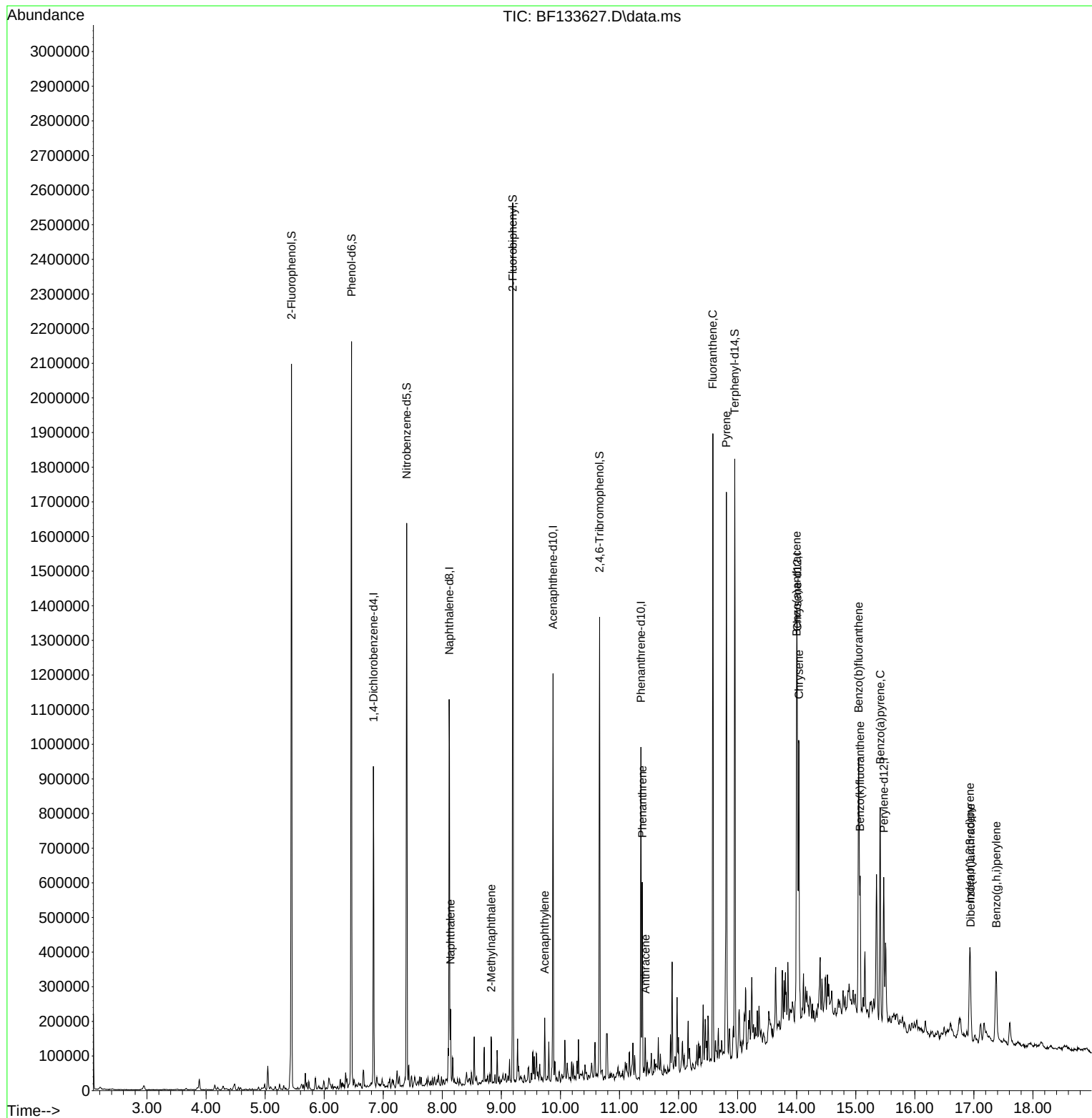
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Data File : BF133627.D
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ALS Vial : 14 Sample Multiplier: 1

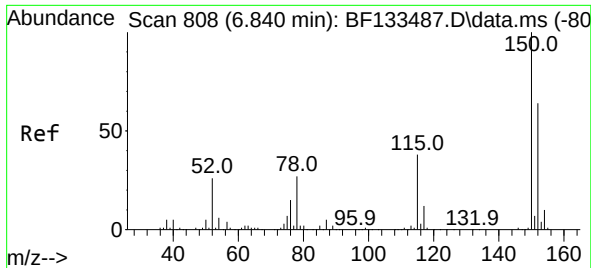
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Quant Time: Jun 07 17:20:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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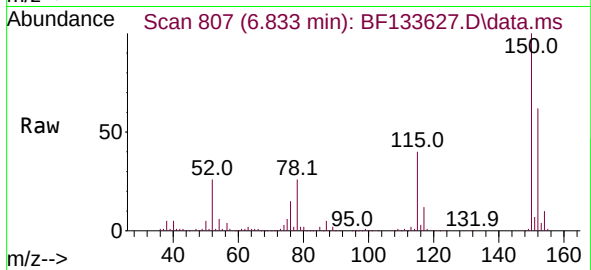
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

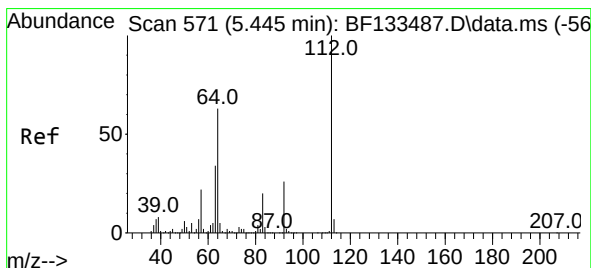
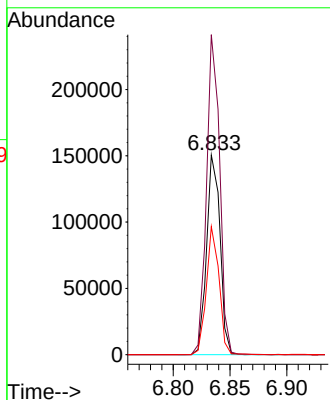
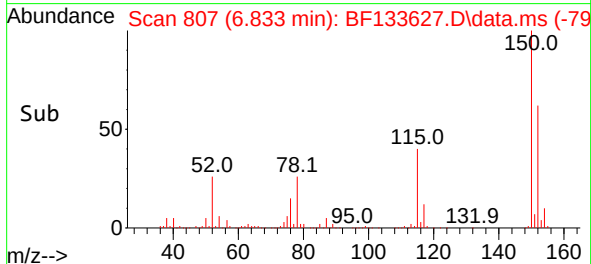
Instrument :
BNA_F
ClientSampleId :
343



Tgt Ion:152 Resp: 123540
Ion Ratio Lower Upper
152 100
150 160.2 124.9 187.3
115 64.1 48.1 72.1

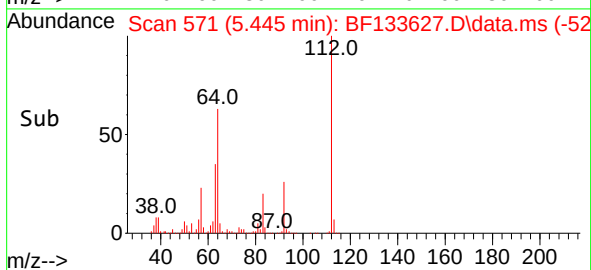
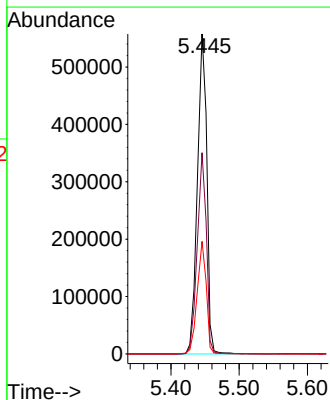
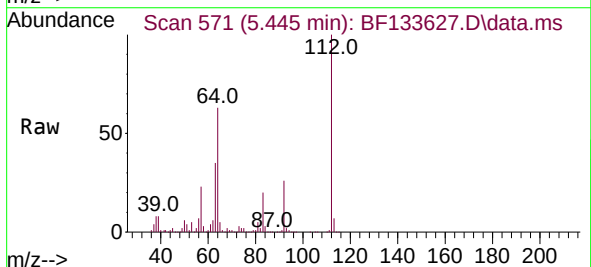
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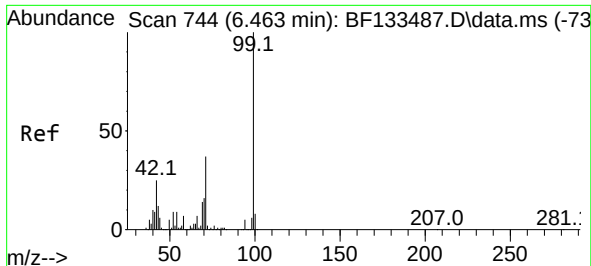
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 72.420 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

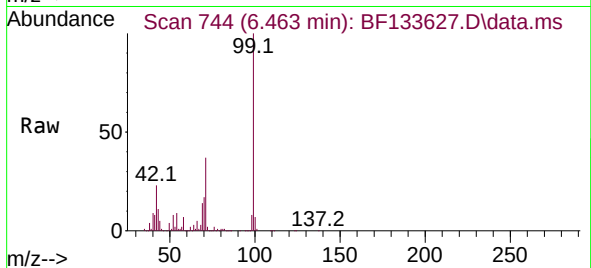
Tgt Ion:112 Resp: 536231
Ion Ratio Lower Upper
112 100
64 62.9 50.1 75.1
63 35.2 27.5 41.3





#7
Phenol-d6
Concen: 72.101 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

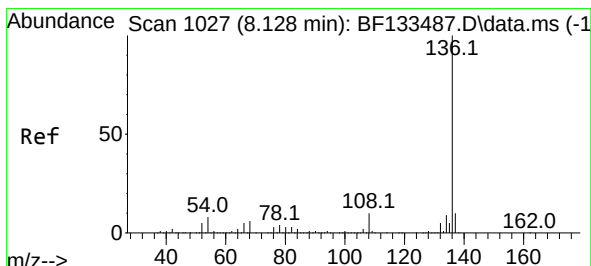
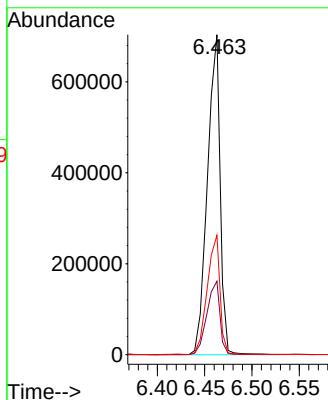
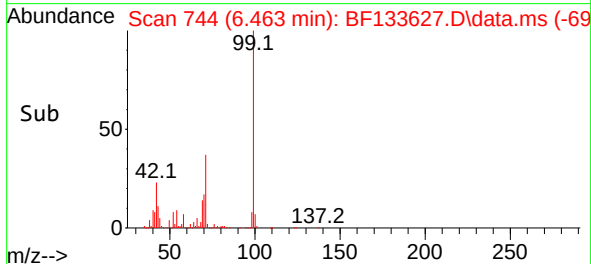
Instrument :
BNA_F
ClientSampleId :
343



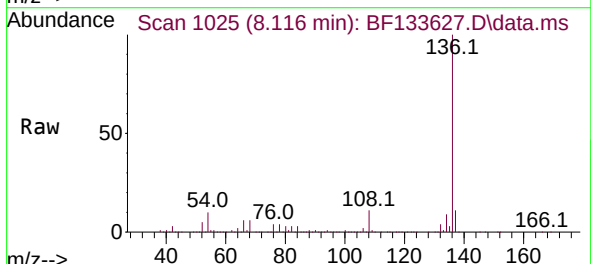
Tgt Ion: 99 Resp: 65719
Ion Ratio Lower Upper
99 100
42 22.9 19.7 29.5
71 37.3 29.8 44.8

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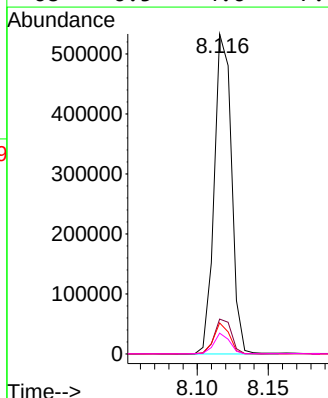
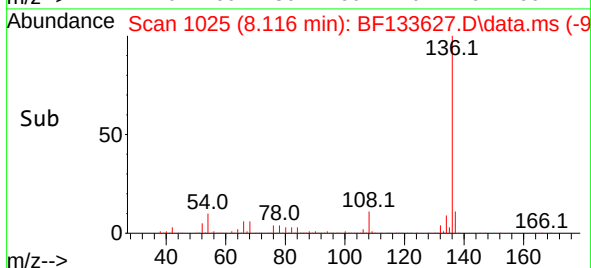
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

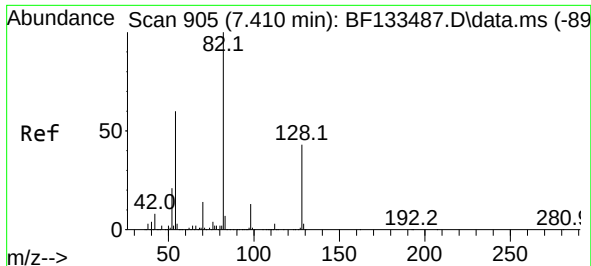


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21



Tgt Ion:136 Resp: 450848
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 9.7 6.6 10.0
68 6.5 4.6 7.0





#23

Nitrobenzene-d5

Concen: 65.171 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133627.D

Acq: 07 Jun 2023 16:21

Instrument :

BNA_F

ClientSampleId :

343

Tgt Ion: 82 Resp: 440059

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.4

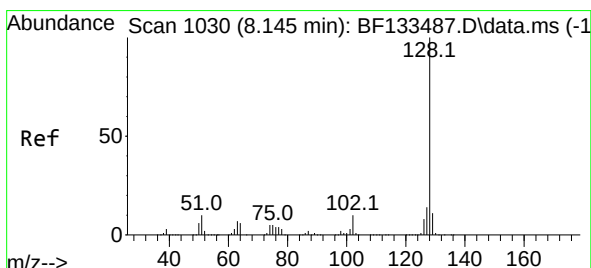
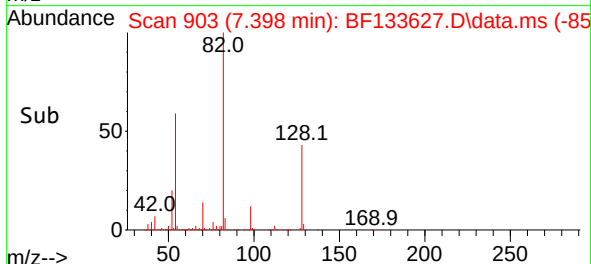
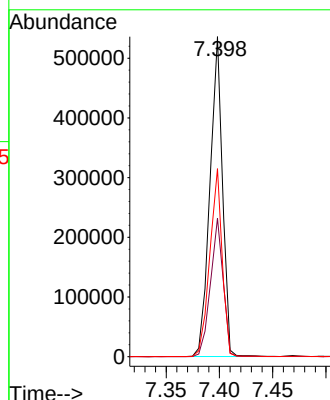
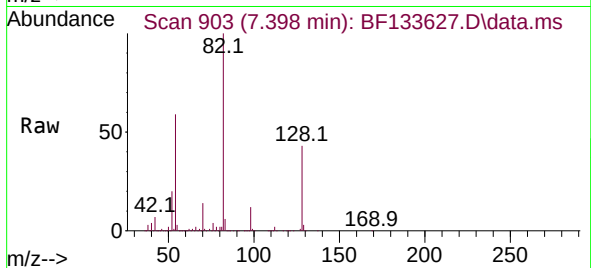
54 58.8 48.2 72.4

Manual Integrations

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#31

Naphthalene

Concen: 3.281 ng

RT: 8.139 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF133627.D

Acq: 07 Jun 2023 16:21

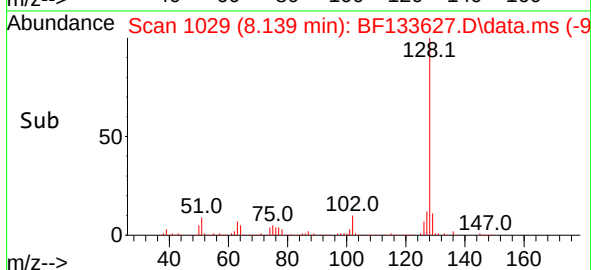
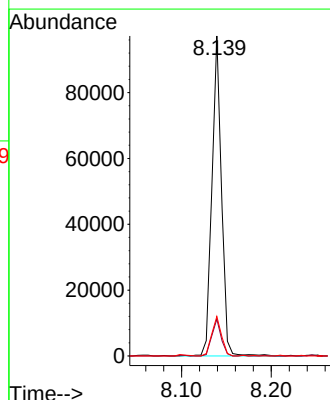
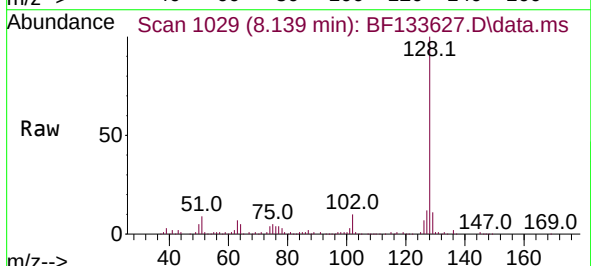
Tgt Ion:128 Resp: 71709

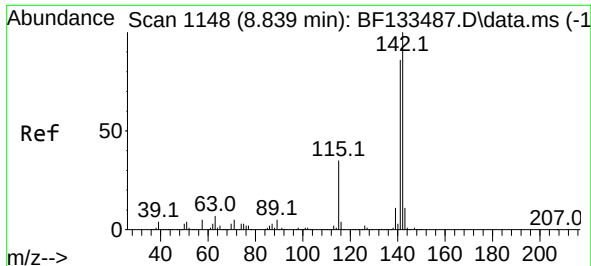
Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 12.4 10.9 16.3





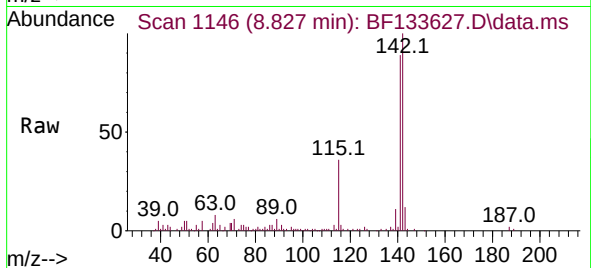
#37
2-Methylnaphthalene
Concen: 2.248 ng
RT: 8.827 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Instrument :

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ClientSampleId :

343

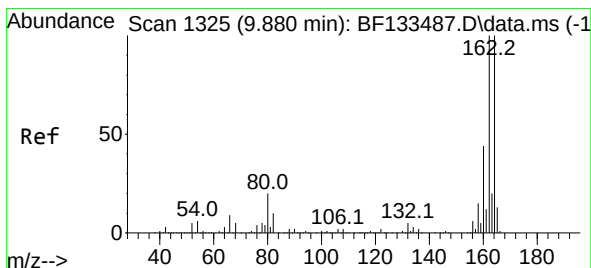
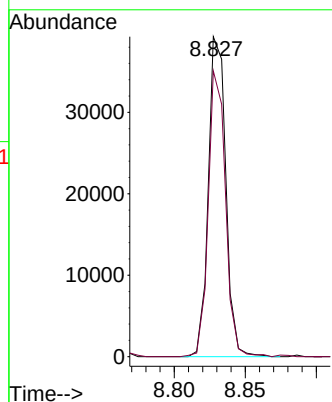


Tgt Ion:142 Resp: 33554
Ion Ratio Lower Upper
142 100
141 89.3 69.2 103.8

Manual Integrations

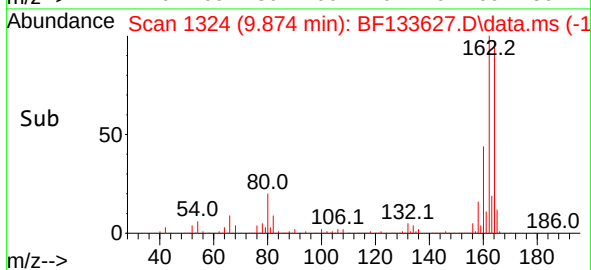
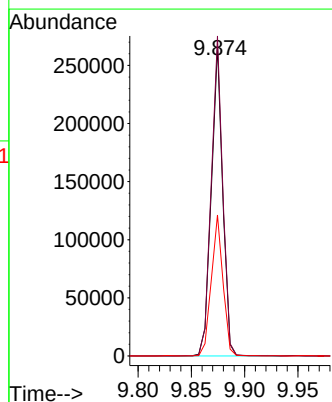
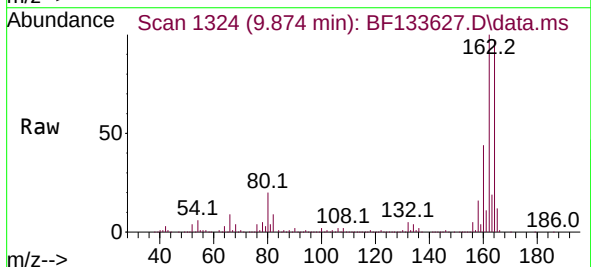
APPROVED

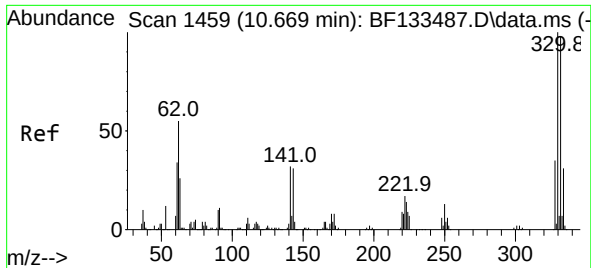
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Tgt Ion:164 Resp: 199025
Ion Ratio Lower Upper
164 100
162 103.2 79.7 119.5
160 45.5 35.4 53.0





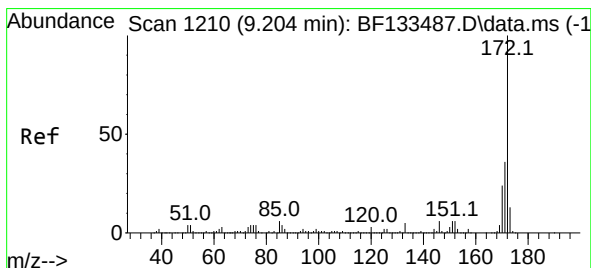
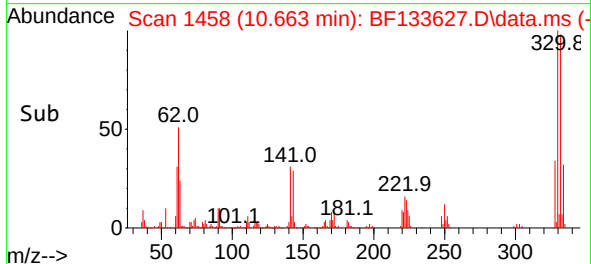
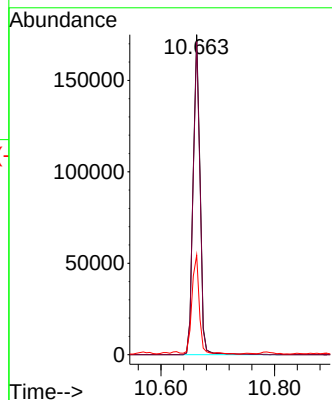
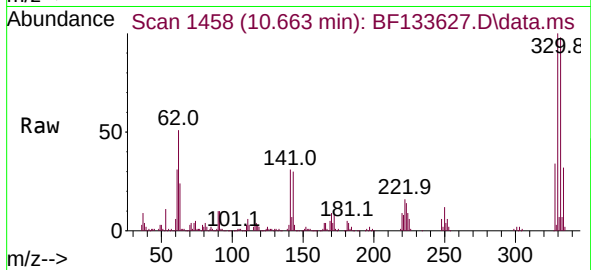
#42
2,4,6-Tribromophenol
Concen: 74.460 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Instrument :
BNA_F
ClientSampleId :
343

Tgt Ion: 330 Resp: 14772
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.6
141 31.7 26.6 40.0

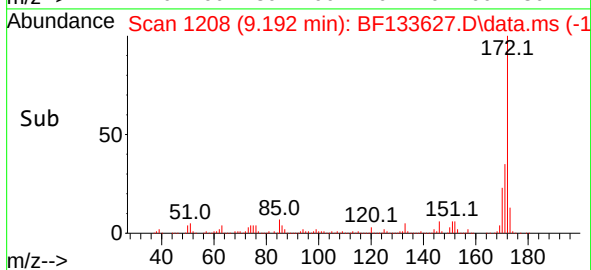
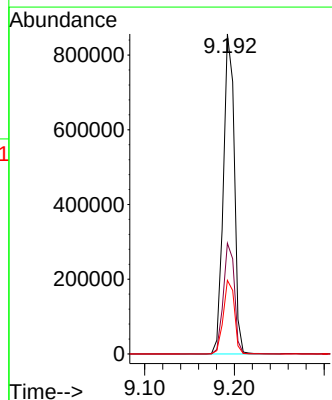
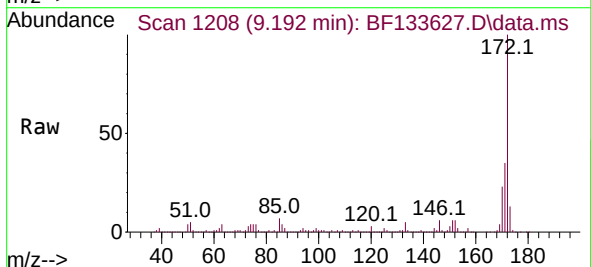
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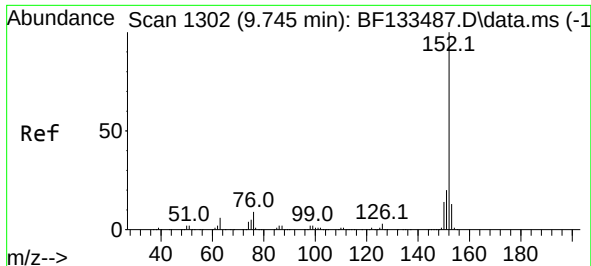
Reviewed By : Yogesh Patel 06/08/2023
Supervised By : mohammad ahmed 06/08/2023



#45
2-Fluorobiphenyl
Concen: 56.461 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Tgt Ion: 172 Resp: 728063
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.0 19.3 28.9





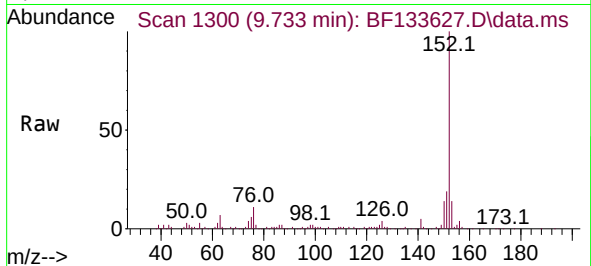
#49
Acenaphthylene
Concen: 3.283 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Instrument :

BNA_F

ClientSampleId :

343

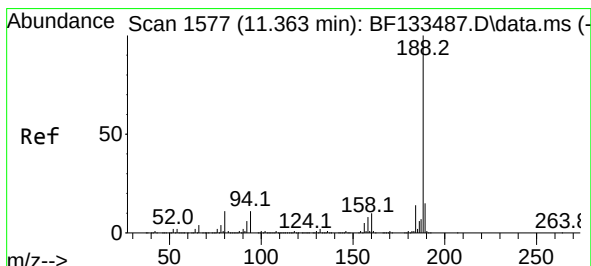
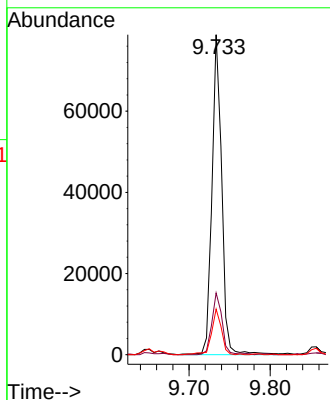
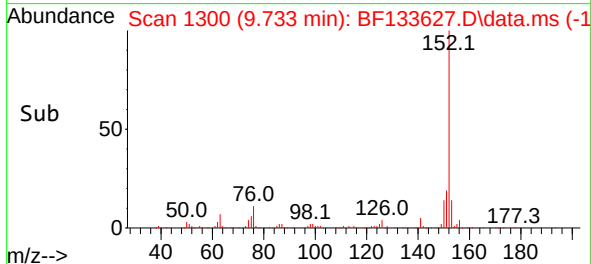


Tgt Ion:152 Resp: 65659
Ion Ratio Lower Upper
152 100
151 19.3 16.0 24.0
153 14.3 10.4 15.6

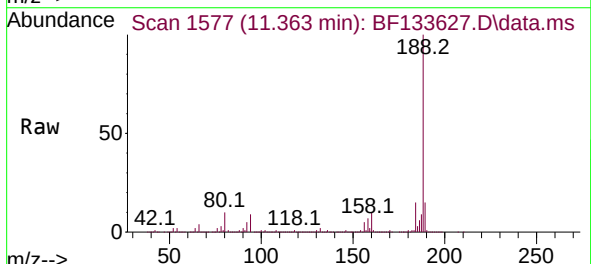
Manual Integrations

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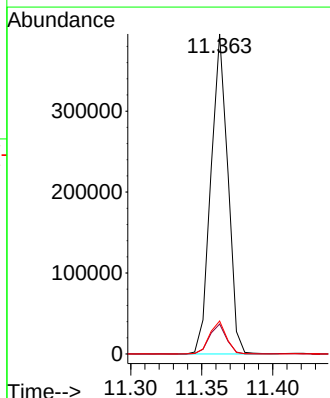
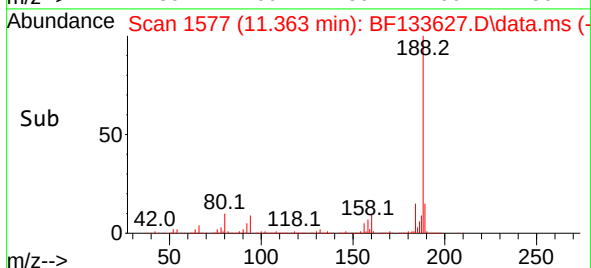
Reviewed By :Yogesh Patel 06/08/2023
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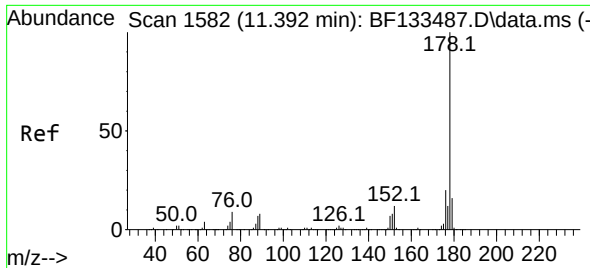


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21



Tgt Ion:188 Resp: 326719
Ion Ratio Lower Upper
188 100
94 9.4 8.6 12.8
80 10.3 9.2 13.8





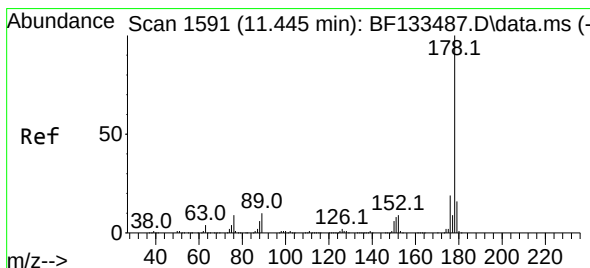
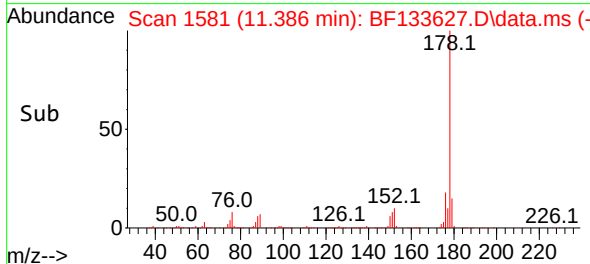
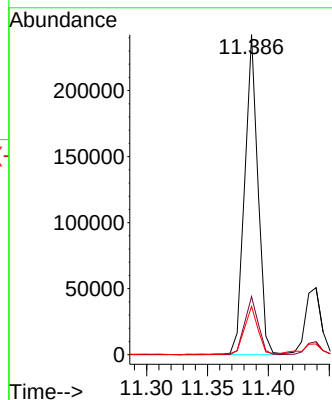
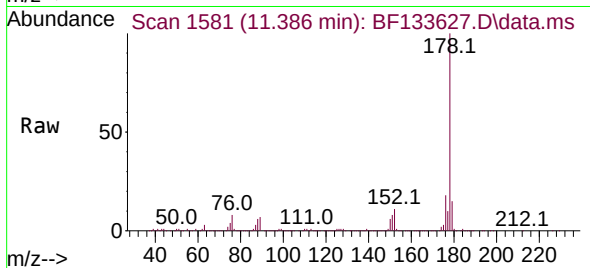
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Phenanthrene
Concen: 11.160 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Instrument :
BNA_F
ClientSampleId :
343

Tgt Ion:178 Resp: 184669
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.1 12.4 18.6

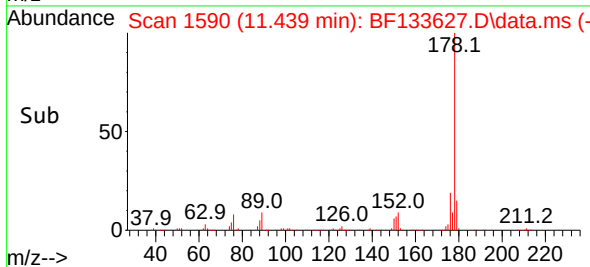
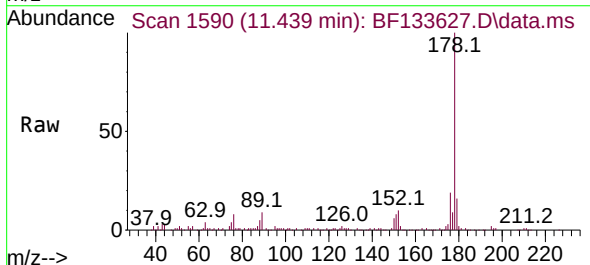
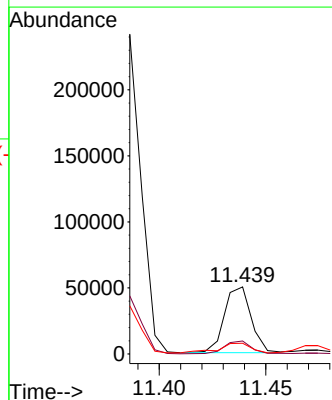
Manual Integrations
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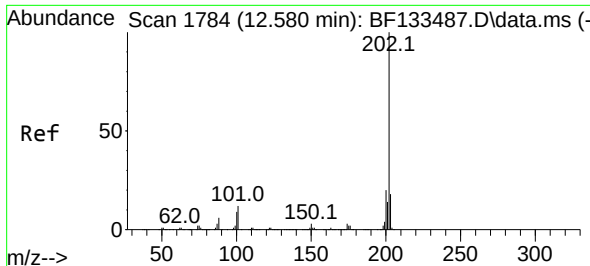
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#72
Anthracene
Concen: 2.574 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

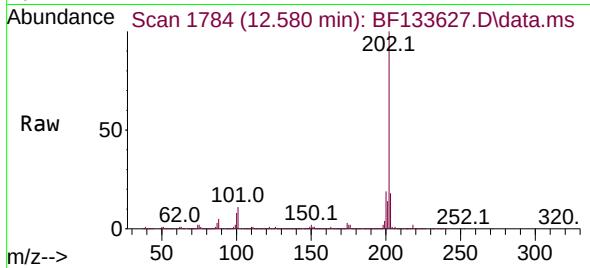
Tgt Ion:178 Resp: 43834
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.9 12.6 18.8





#75
Fluoranthene
Concen: 36.895 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

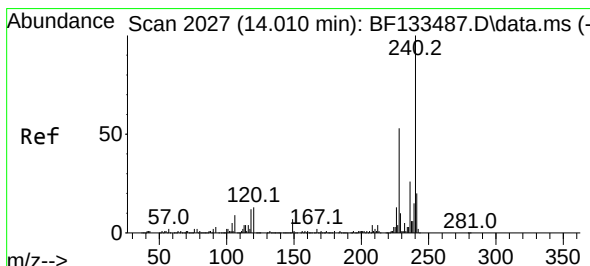
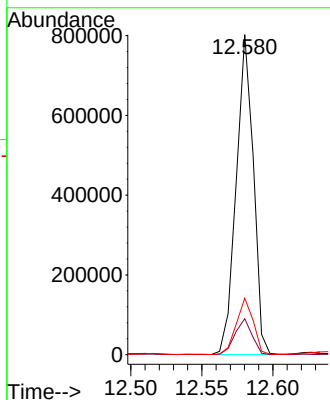
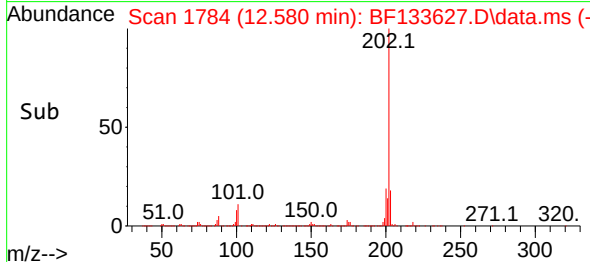
Instrument :
BNA_F
ClientSampleId :
343



Tgt Ion:202 Resp: 67438
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.2
203 17.7 0.0 37.8

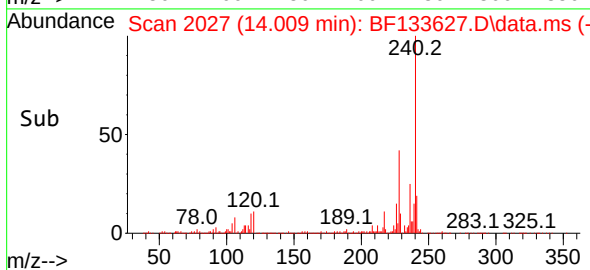
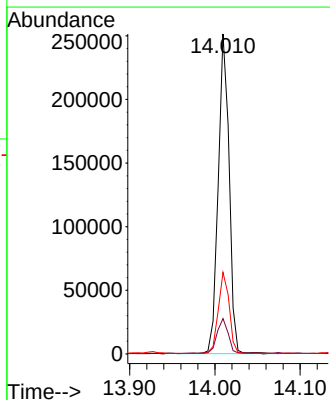
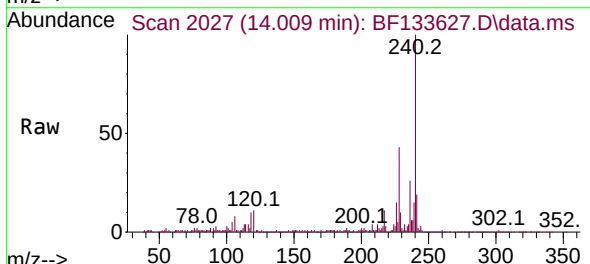
Manual Integrations
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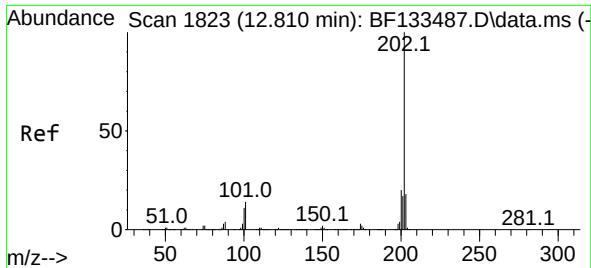
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

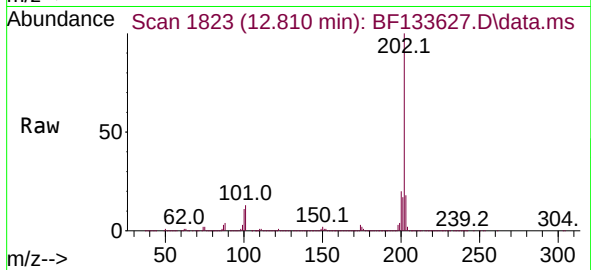
Tgt Ion:240 Resp: 223170
Ion Ratio Lower Upper
240 100
120 11.0 10.3 15.5
236 25.5 20.5 30.7





#78
Pyrene
Concen: 34.466 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

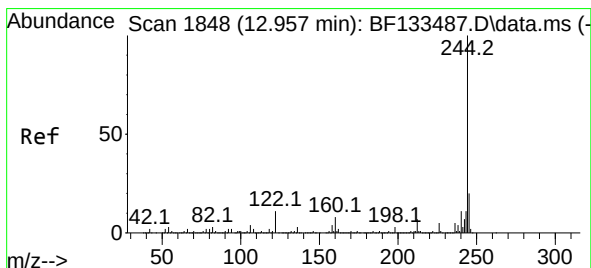
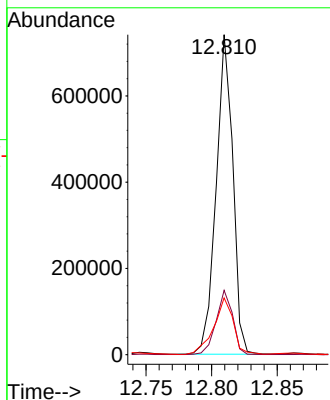
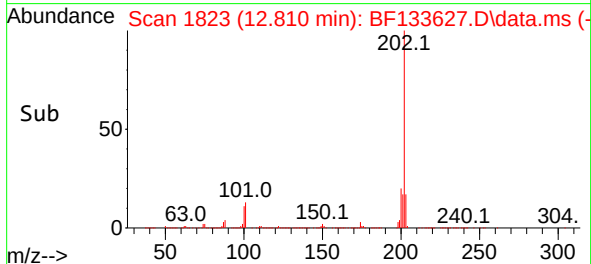
Instrument :
BNA_F
ClientSampleId :
343



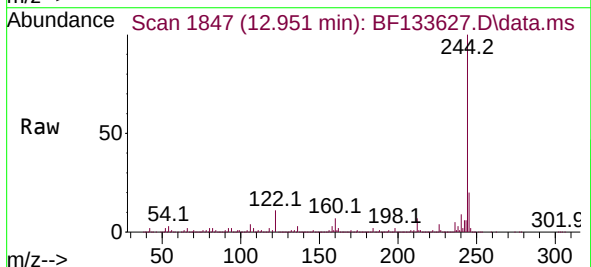
Tgt Ion:202 Resp: 654538
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 17.8 14.3 21.5

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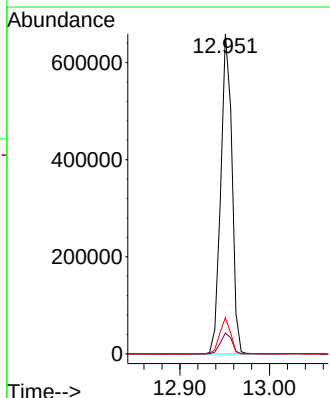
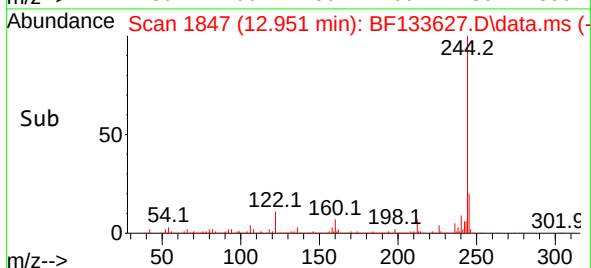
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

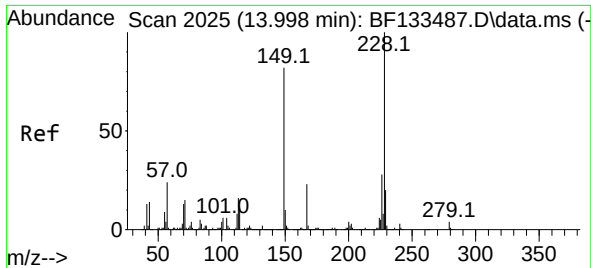


#79
Terphenyl-d14
Concen: 45.439 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21



Tgt Ion:244 Resp: 570349
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 11.4 8.5 12.7





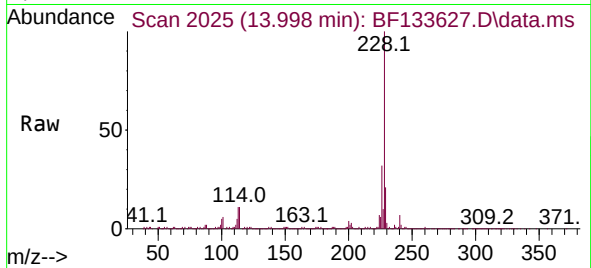
#81
Benzo(a)anthracene
Concen: 25.645 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

Instrument :

BNA_F

ClientSampleId :

343

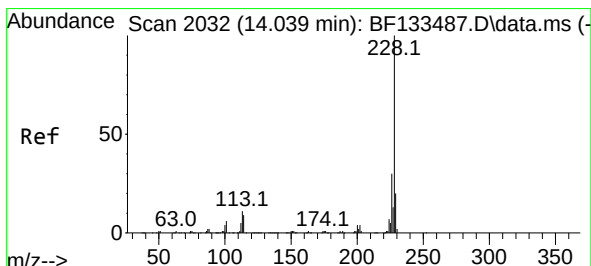
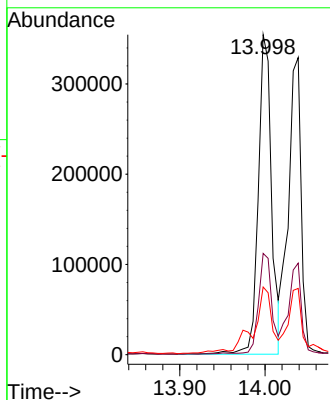
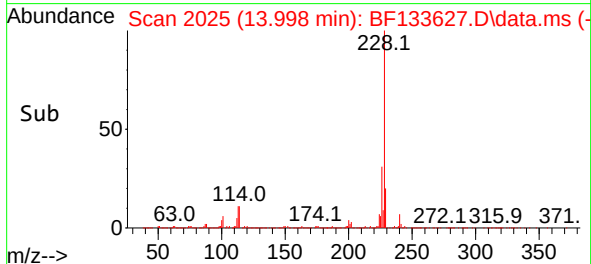


Tgt Ion:228 Resp: 381260
Ion Ratio Lower Upper
228 100
226 31.6 22.3 33.5
229 21.1 16.1 24.1

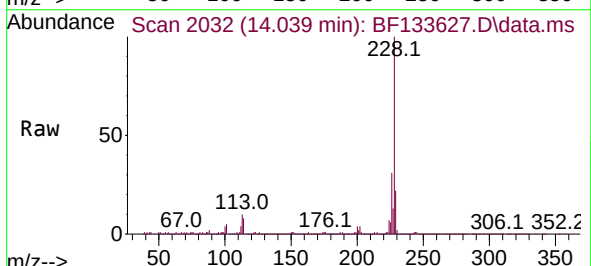
Manual Integrations

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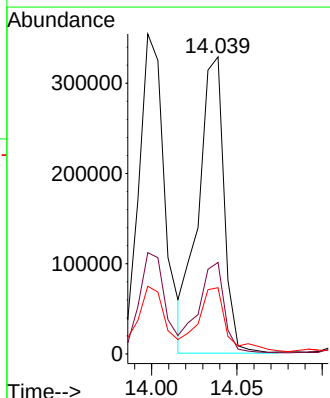
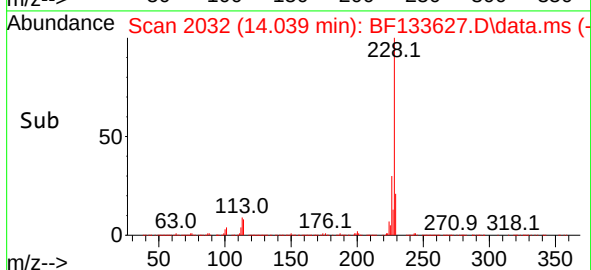
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

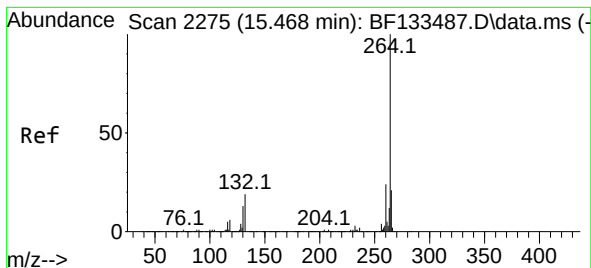


#83
Chrysene
Concen: 23.025 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21



Tgt Ion:228 Resp: 345569
Ion Ratio Lower Upper
228 100
226 30.8 24.1 36.1
229 22.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133627.D

Acq: 07 Jun 2023 16:21

Instrument :

BNA_F

ClientSampleId :

343

Tgt Ion:264 Resp: 186399

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.4

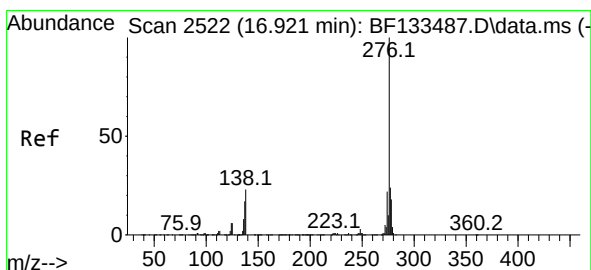
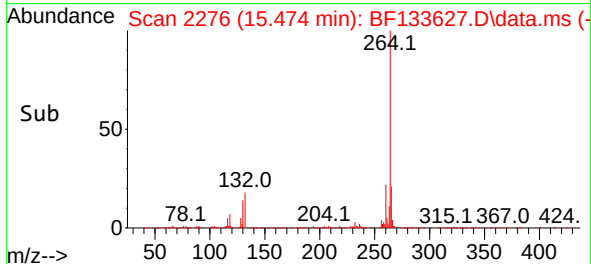
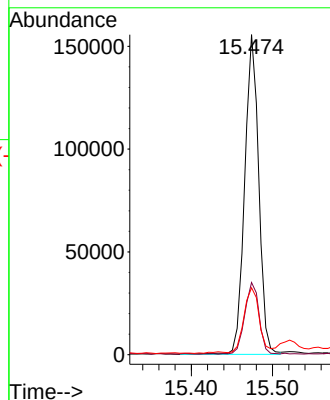
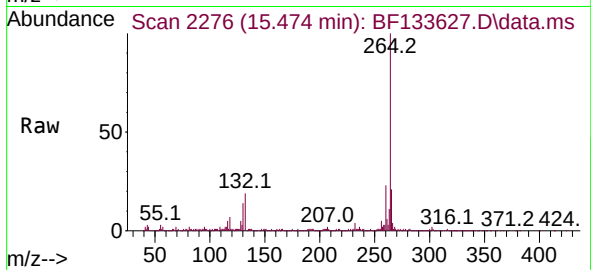
265 20.9 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.005 ng m

RT: 16.933 min Scan# 2524

Delta R.T. -0.012 min

Lab File: BF133627.D

Acq: 07 Jun 2023 16:21

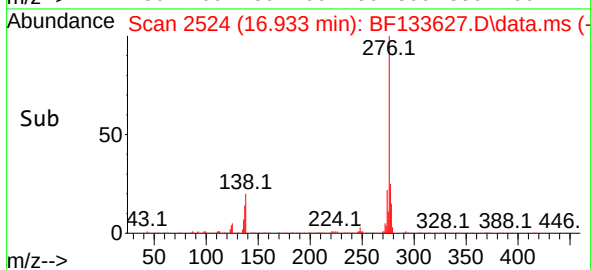
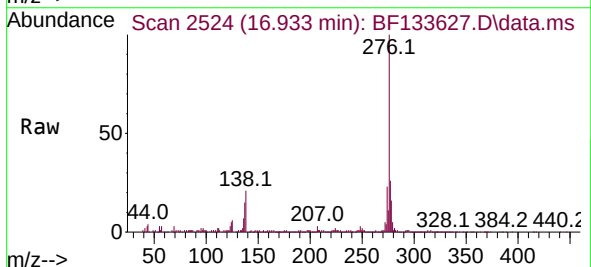
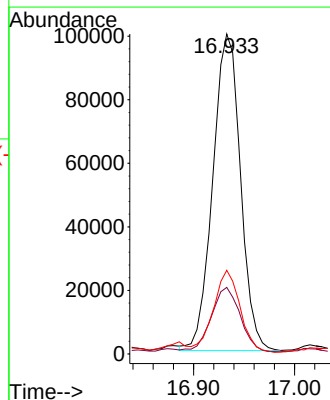
Tgt Ion:276 Resp: 190033

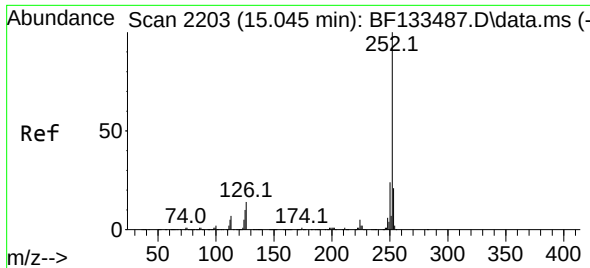
Ion Ratio Lower Upper

276 100

138 4.5 21.4 32.2#

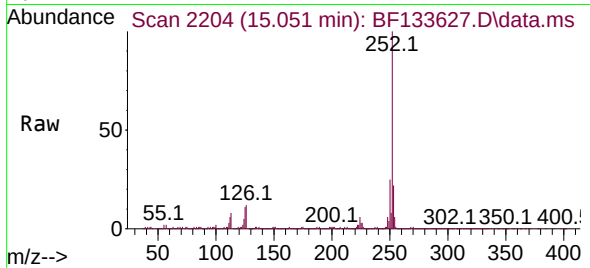
277 4.8 20.0 30.0#





#88
Benzo(b)fluoranthene
Concen: 37.030 ng m
RT: 15.051 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

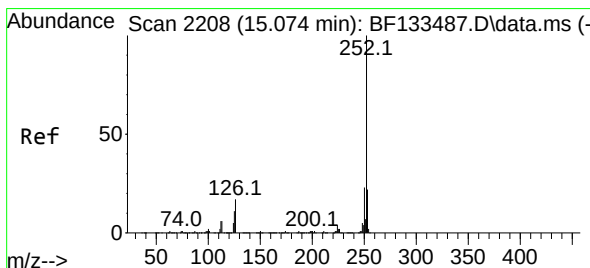
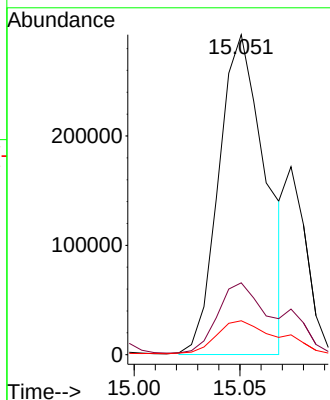
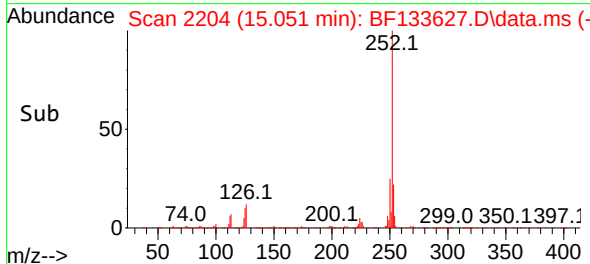
Instrument :
BNA_F
ClientSampleId :
343



Tgt Ion:252 Resp: 449460
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 10.6 8.1 12.1

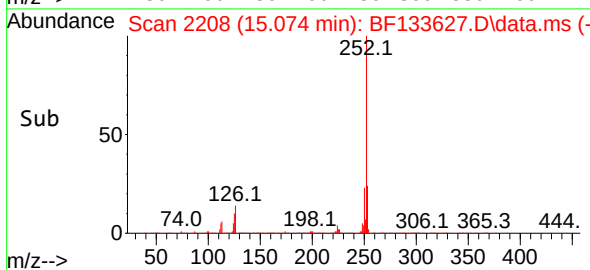
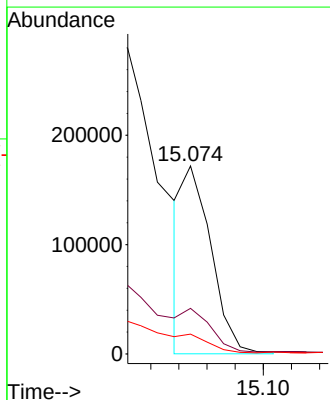
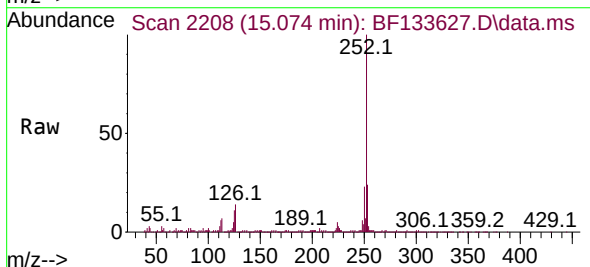
Manual Integrations
APPROVED

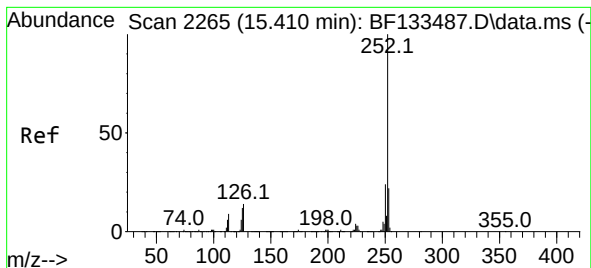
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#89
Benzo(k)fluoranthene
Concen: 10.017 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

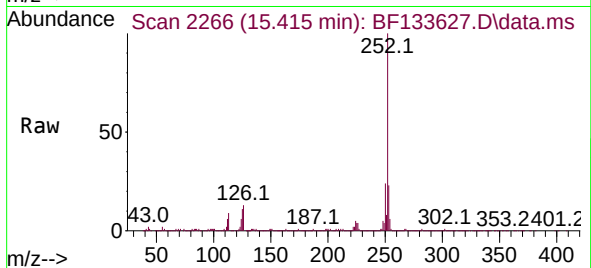
Tgt Ion:252 Resp: 118559
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 10.6 8.3 12.5





#90
Benzo(a)pyrene
Concen: 26.032 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21

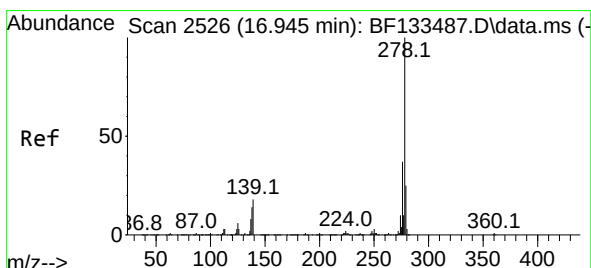
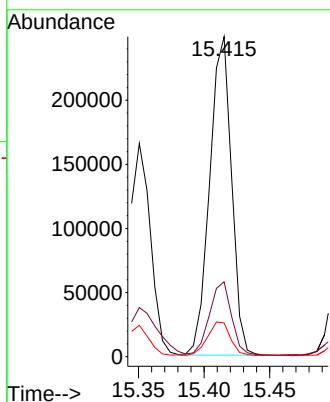
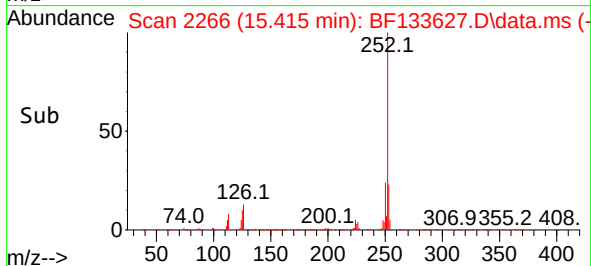
Instrument :
BNA_F
ClientSampleId :
343



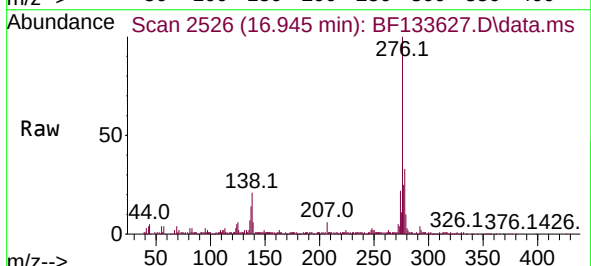
Tgt Ion:252 Resp: 28751
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.6 9.4 14.0

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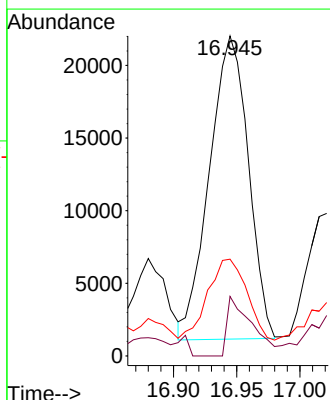
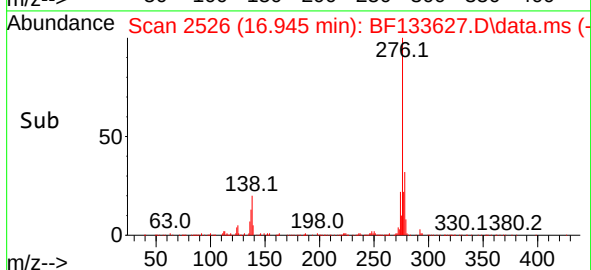
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

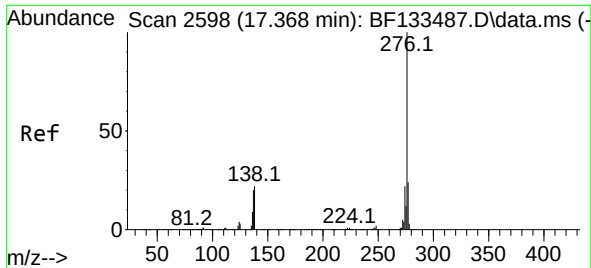


#91
Dibenzo(a,h)anthracene
Concen: 4.638 ng m
RT: 16.945 min Scan# 2526
Delta R.T. -0.024 min
Lab File: BF133627.D
Acq: 07 Jun 2023 16:21



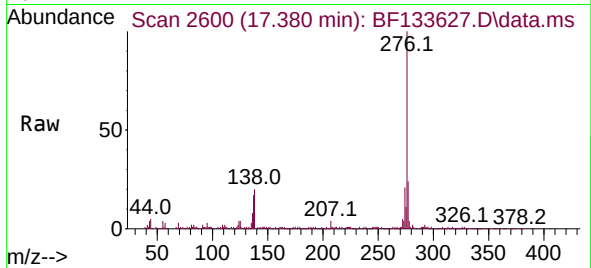
Tgt Ion:278 Resp: 44653
Ion Ratio Lower Upper
278 100
139 18.6 14.1 21.1
279 30.2 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 18.184 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF133627.D
 Acq: 07 Jun 2023 16:21

Instrument :
 BNA_F
 ClientSampleId :
 343



Tgt Ion:276 Resp: 17651
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.8 28.2
 138 19.5 17.8 26.6

Manual Integrations
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Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

