

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132727.D
 Acq On : 09 Mar 2023 20:07
 Operator : CG\JU
 Sample : 01842-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/10/2023
 Supervised By : Jagrut Upadhyay 03/10/2023

Quant Time: Mar 10 03:39:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	180978	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	687916	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	347254	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	555201	20.000	ng	0.00
76) Chrysene-d12	14.180	240	398810	20.000	ng	# 0.00
86) Perylene-d12	15.721	264	385825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1316360	118.048	ng	0.00
7) Phenol-d6	6.610	99	1687336	115.943	ng	-0.01
23) Nitrobenzene-d5	7.545	82	1074263	74.090	ng	-0.01
42) 2,4,6-Tribromophenol	10.822	330	380455	101.449	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	1695351	74.339	ng	0.00
79) Terphenyl-d14	13.110	244	1478387	62.676	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.575	166	47201	2.010	ng	97
71) Phenanthrene	11.545	178	630291	21.914	ng	98
72) Anthracene	11.598	178	143116	4.832	ng	97
75) Fluoranthene	12.745	202	799263	25.420	ng	98
78) Pyrene	12.974	202	1053639	29.059	ng	99
81) Benzo(a)anthracene	14.168	228	571880	19.165	ng	96
83) Chrysene	14.210	228	577773	20.706	ng	97
84) Bis(2-ethylhexyl)phtha...	14.139	149	141855	8.070	ng	99
87) Indeno(1,2,3-cd)pyrene	17.303	276	199403	7.887	ng	97
88) Benzo(b)fluoranthene	15.268	252	731242m	28.281	ng	
89) Benzo(k)fluoranthene	15.292	252	177862m	7.029	ng	
90) Benzo(a)pyrene	15.657	252	451285	18.649	ng	98
91) Dibenzo(a,h)anthracene	17.309	278	56690m	2.752	ng	
92) Benzo(g,h,i)perylene	17.792	276	200159	9.924	ng	98

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

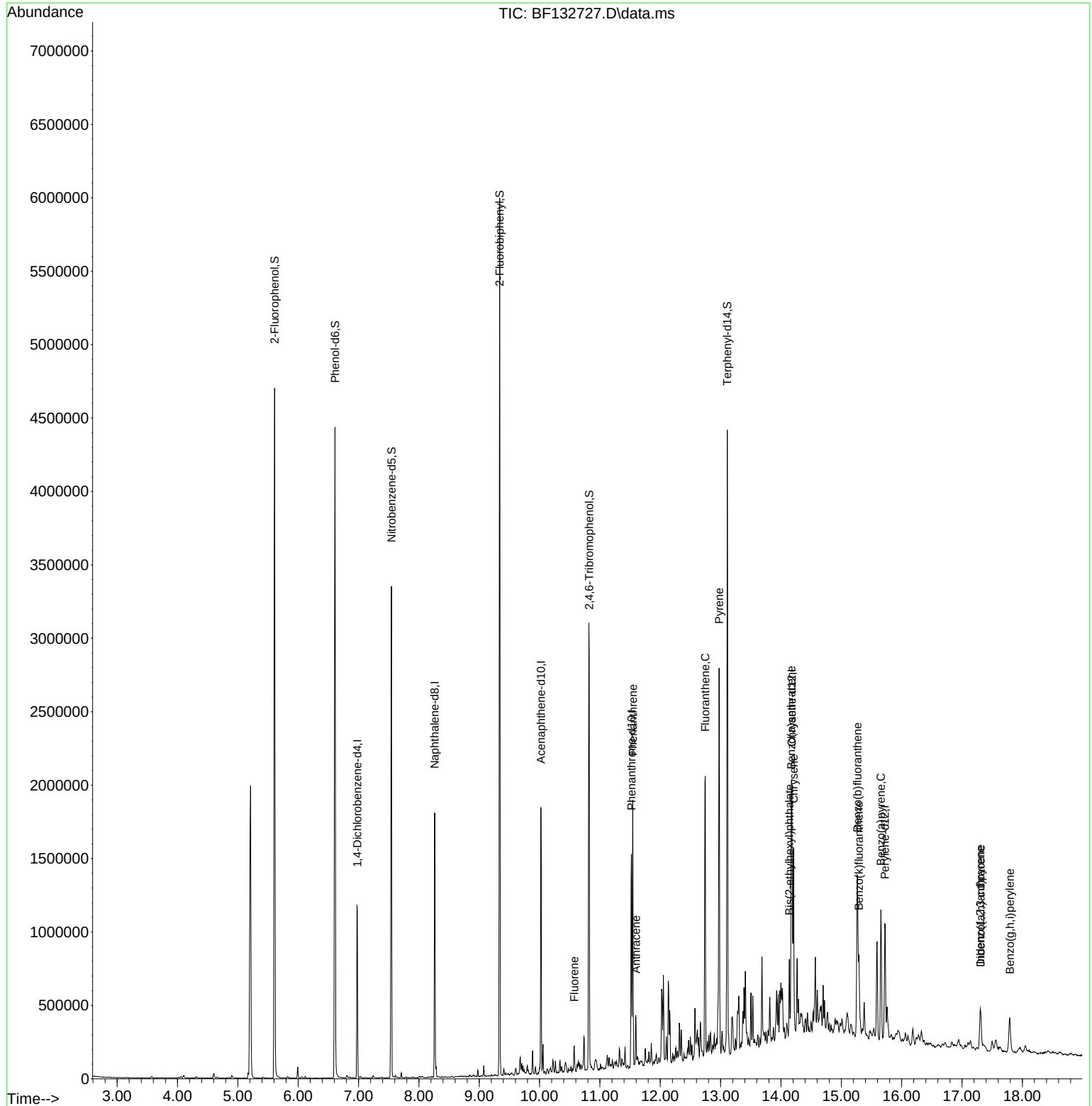
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
Data File : BF132727.D
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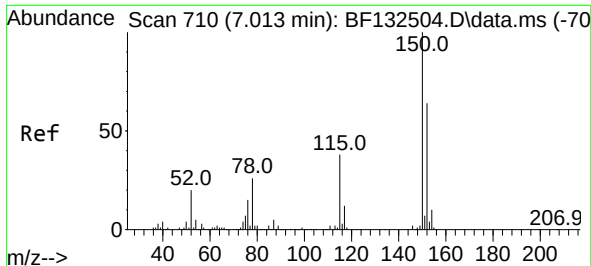
Instrument :
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Quant Time: Mar 10 03:39:37 2023
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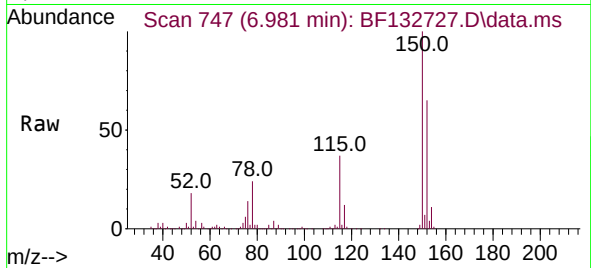
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

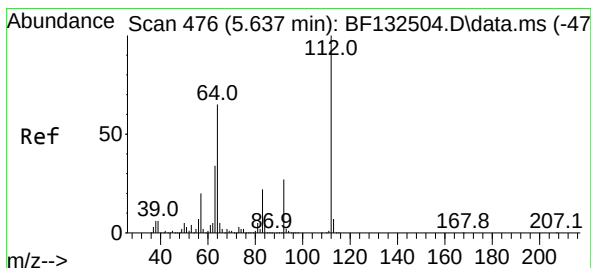
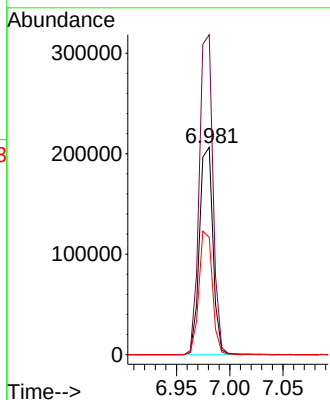
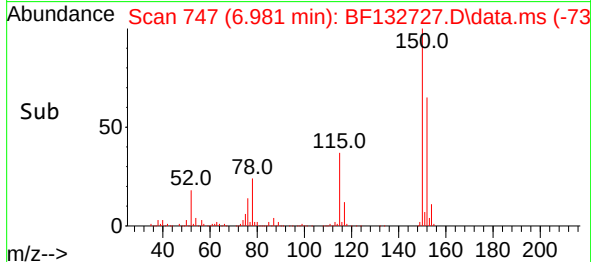
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BNA_F
ClientSampleId :
VNJ-228



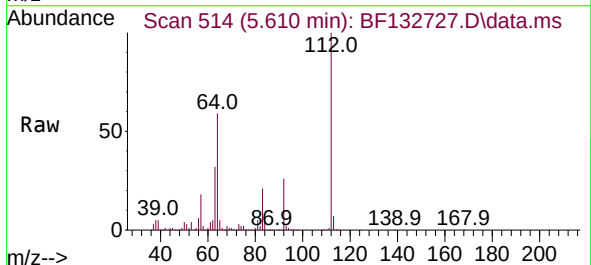
Tgt Ion:152 Resp: 180978
Ion Ratio Lower Upper
152 100
150 154.4 125.4 188.2
115 56.5 47.8 71.6

Manual Integrations
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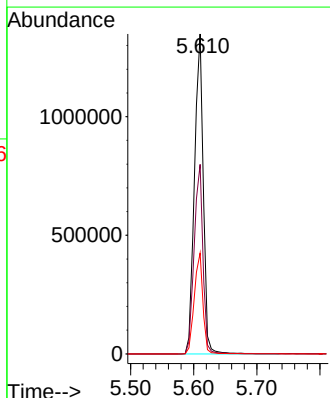
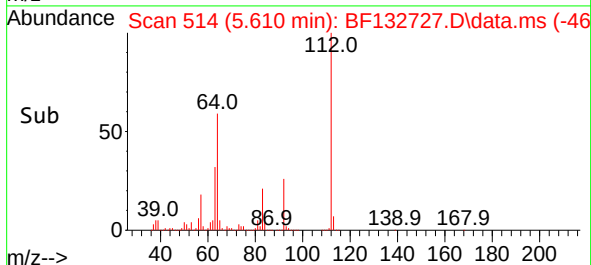
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023

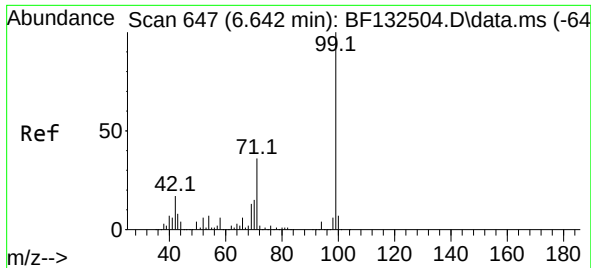


#5
2-Fluorophenol
Concen: 118.048 ng
RT: 5.610 min Scan# 514
Delta R.T. 0.000 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



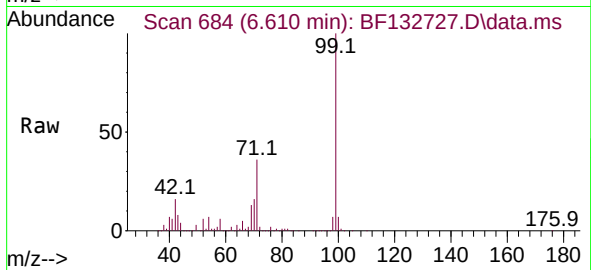
Tgt Ion:112 Resp: 1316360
Ion Ratio Lower Upper
112 100
64 59.2 51.6 77.4
63 31.5 27.4 41.2





#7
Phenol-d6
Concen: 115.943 ng
RT: 6.610 min Scan# 684
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

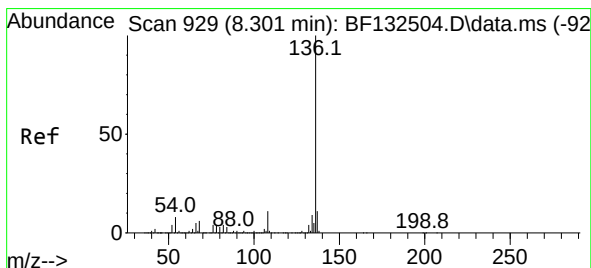
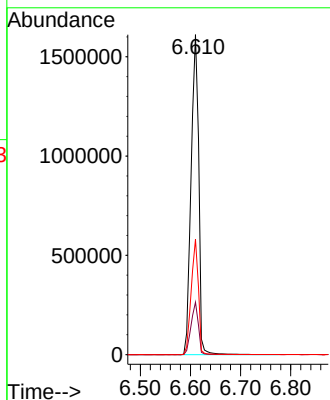
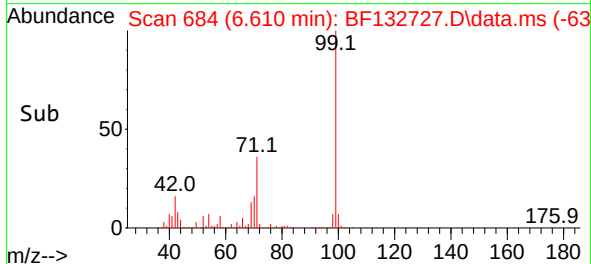
Instrument :
BNA_F
Client Sample Id :
VNJ-228



Tgt Ion: 99 Resp: 1687336
Ion Ratio Lower Upper
99 100
42 16.4 13.9 20.9
71 36.0 28.5 42.7

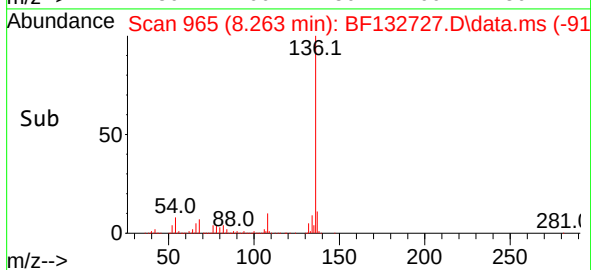
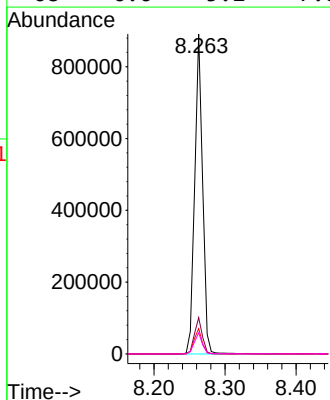
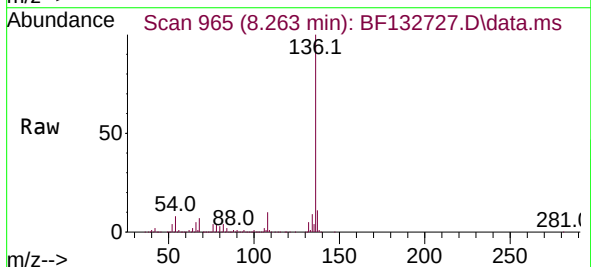
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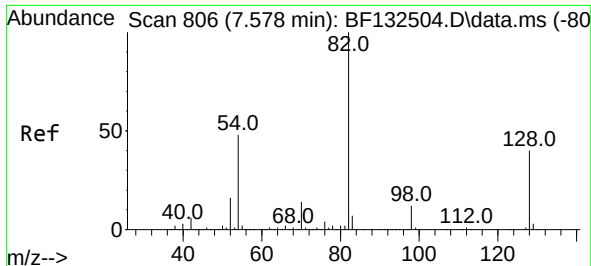
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 965
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:136 Resp: 687916
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.9 6.2 9.4
68 6.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 74.090 ng

RT: 7.545 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion: 82 Resp: 1074263

Ion Ratio Lower Upper

82 100

128 43.5 32.2 48.2

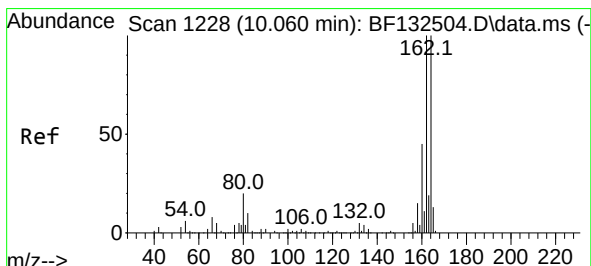
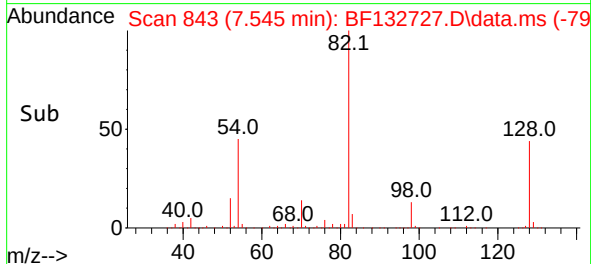
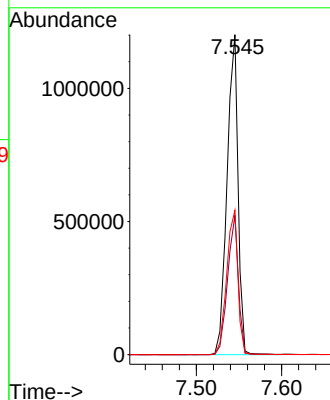
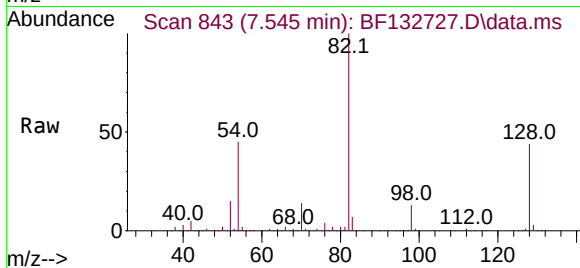
54 45.1 38.4 57.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.022 min Scan# 1264

Delta R.T. -0.012 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

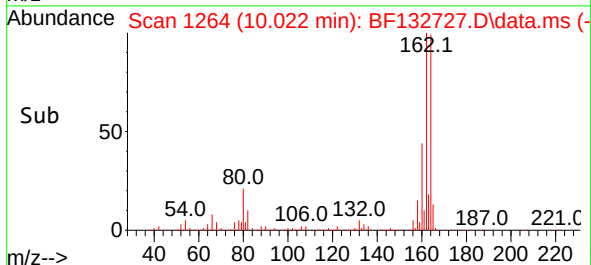
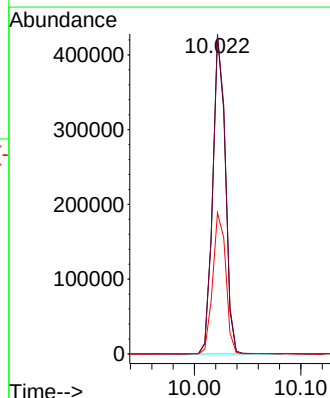
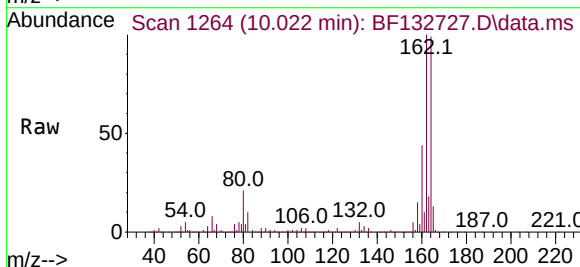
Tgt Ion:164 Resp: 347254

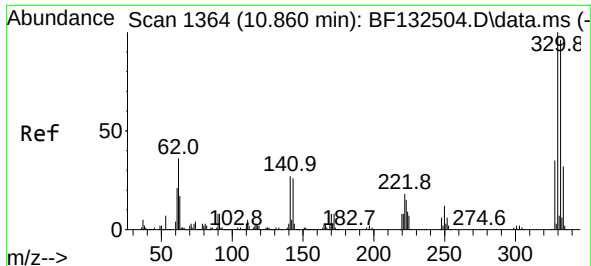
Ion Ratio Lower Upper

164 100

162 100.6 79.8 119.8

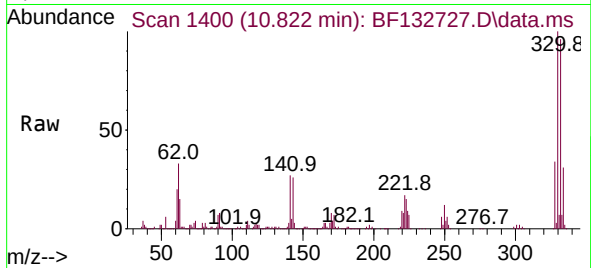
160 44.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 101.449 ng
RT: 10.822 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

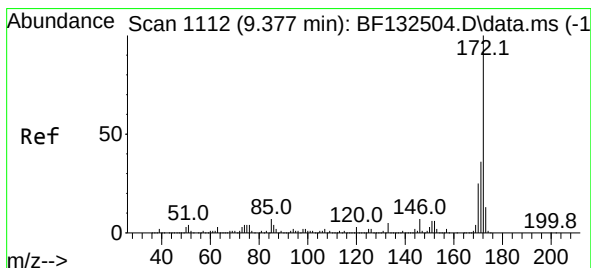
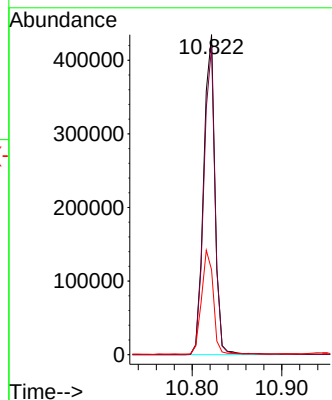
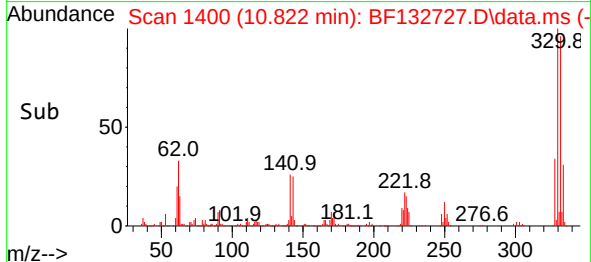
Instrument :
BNA_F
ClientSampleId :
VNJ-228



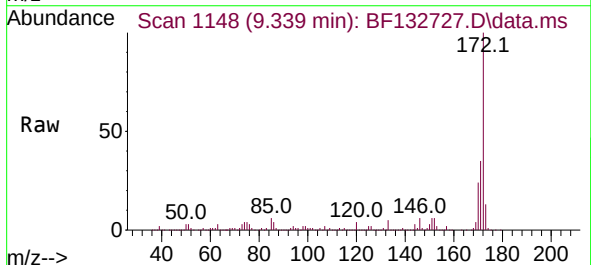
Tgt Ion: 330 Resp: 380455
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 33.3 28.4 42.6

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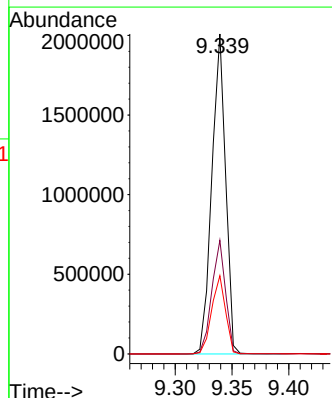
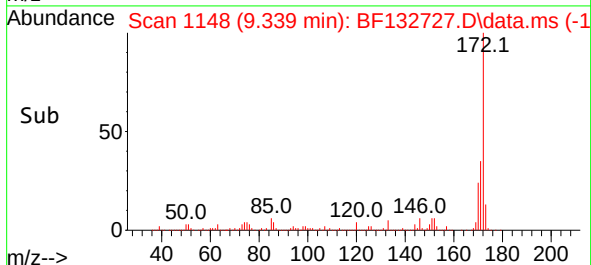
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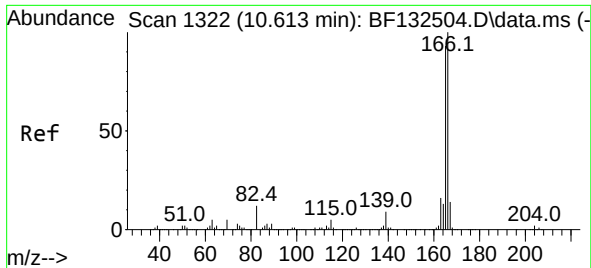


#45
2-Fluorobiphenyl
Concen: 74.339 ng
RT: 9.339 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



Tgt Ion: 172 Resp: 1695351
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.4 19.7 29.5





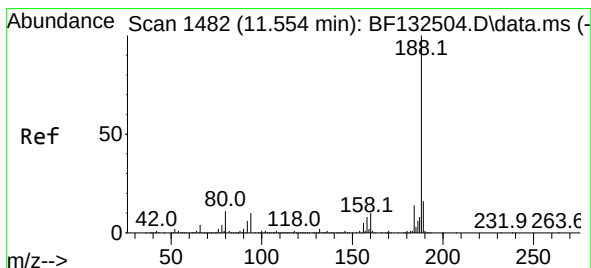
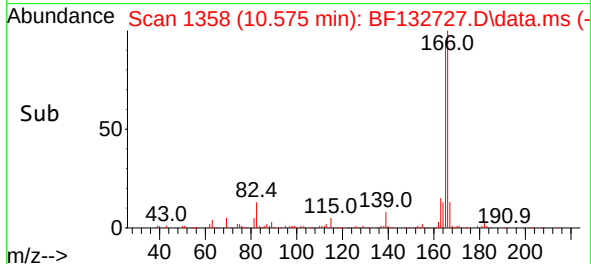
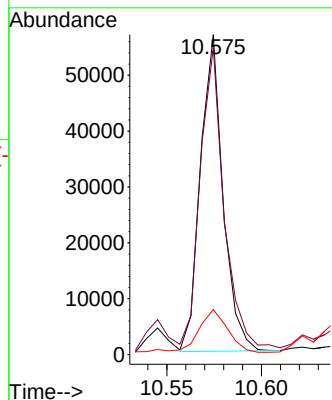
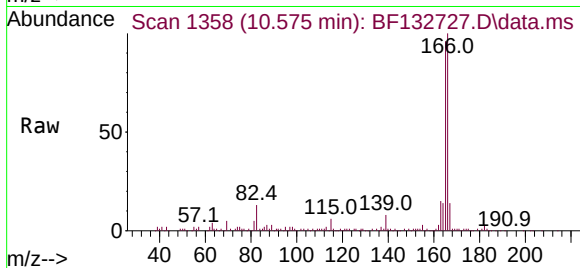
#58
Fluorene
Concen: 2.010 ng
RT: 10.575 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:166 Resp: 47201
Ion Ratio Lower Upper
166 100
165 95.9 74.2 111.4
167 14.1 11.1 16.7

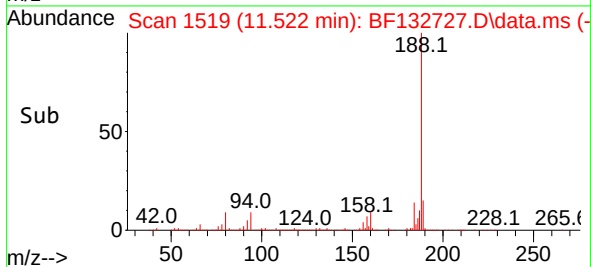
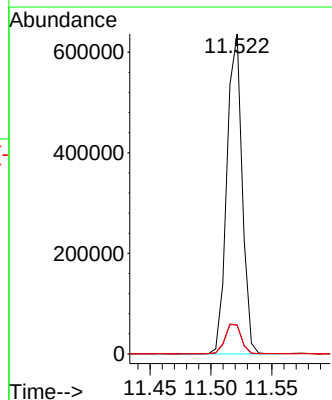
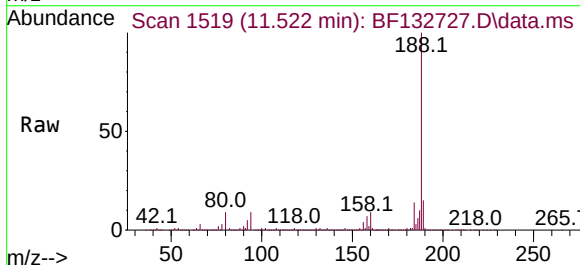
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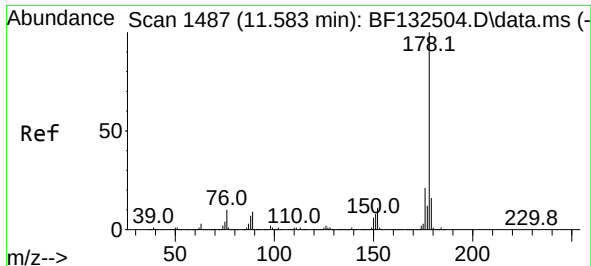
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

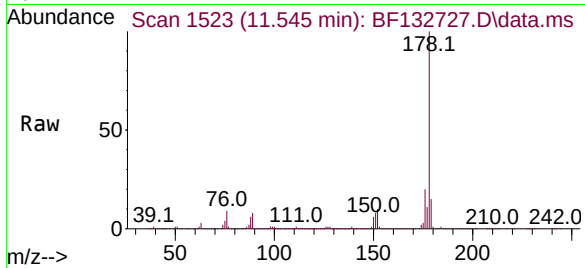
Tgt Ion:188 Resp: 555201
Ion Ratio Lower Upper
188 100
94 9.1 8.3 12.5
80 9.0 8.7 13.1





#71
Phenanthrene
Concen: 21.914 ng
RT: 11.545 min Scan# 11532
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

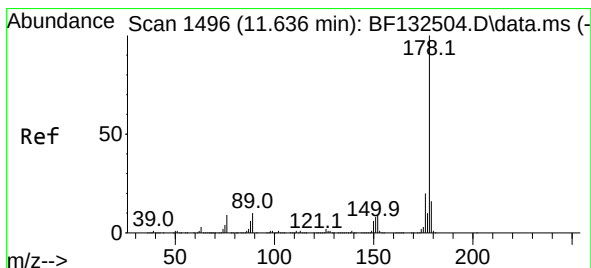
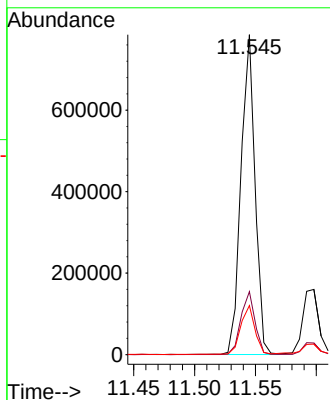
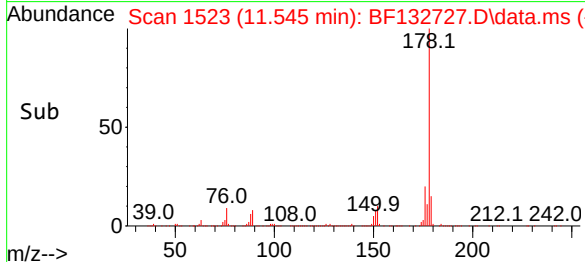
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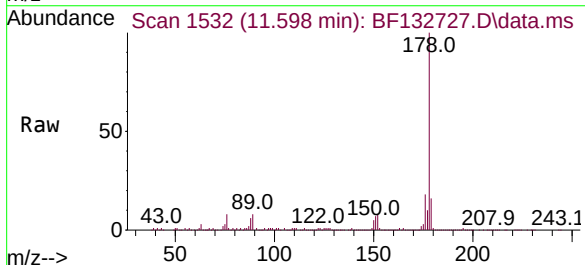
Tgt Ion:178 Resp: 630291
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.3 13.0 19.6

Manual Integrations
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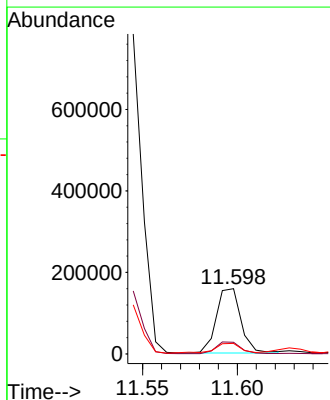
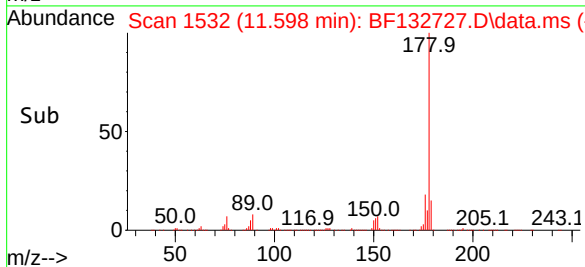
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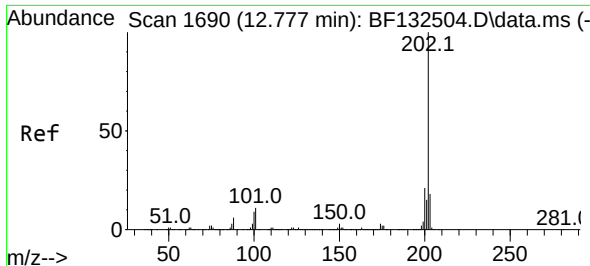


#72
Anthracene
Concen: 4.832 ng
RT: 11.598 min Scan# 1532
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



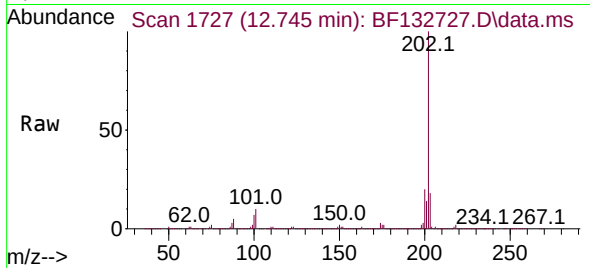
Tgt Ion:178 Resp: 143116
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 25.420 ng
RT: 12.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

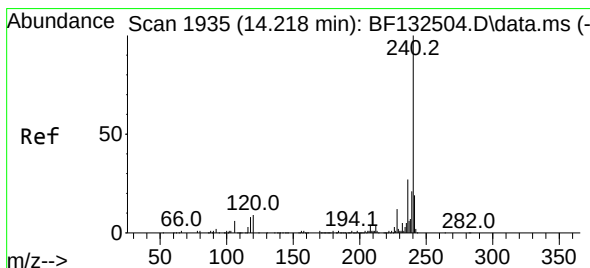
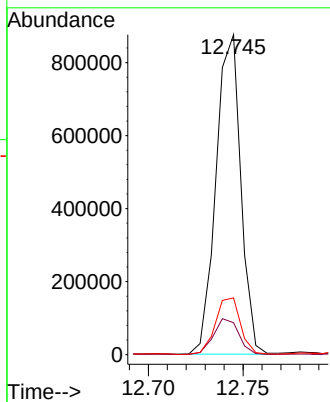
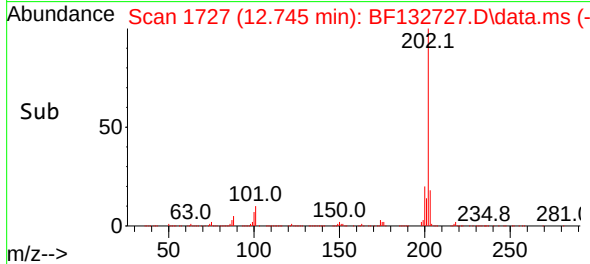
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:202 Resp: 799263
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 17.7 0.0 38.0

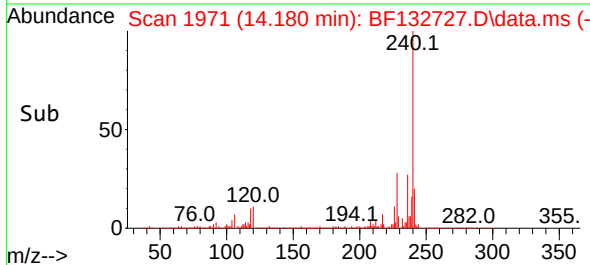
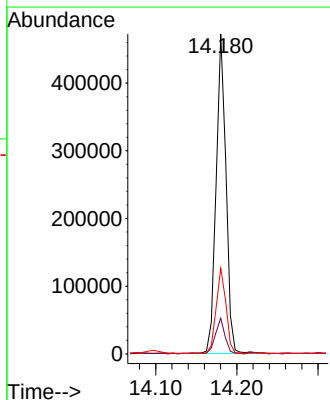
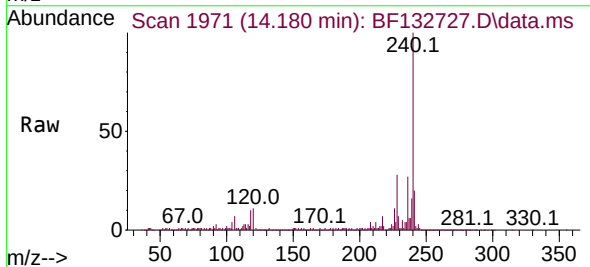
Manual Integrations
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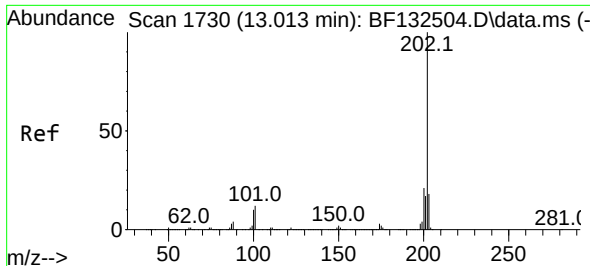
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

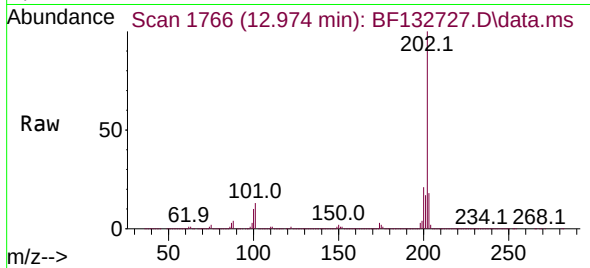
Tgt Ion:240 Resp: 398810
Ion Ratio Lower Upper
240 100
120 11.2 7.2 10.8#
236 26.8 21.8 32.6





#78
Pyrene
Concen: 29.059 ng
RT: 12.974 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

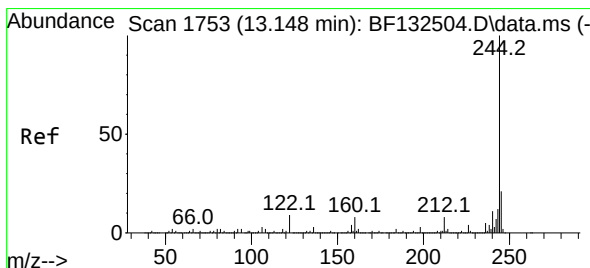
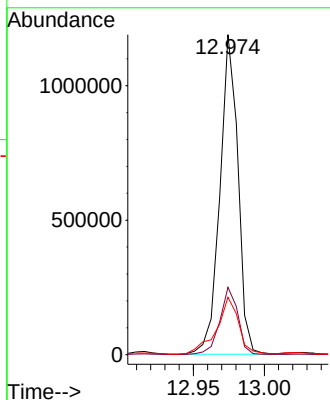
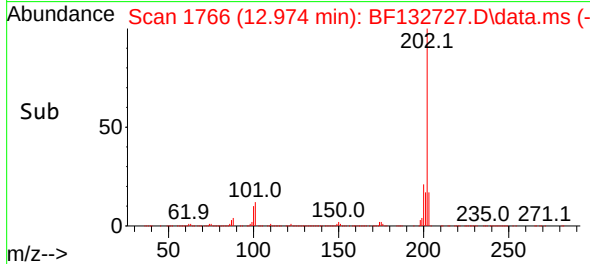
Instrument :
BNA_F
ClientSampleId :
VNJ-228



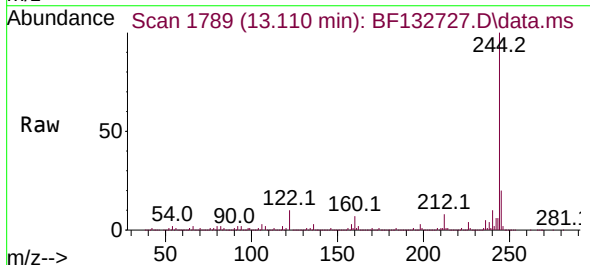
Tgt Ion:202 Resp: 1053639
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.9 14.6 21.8

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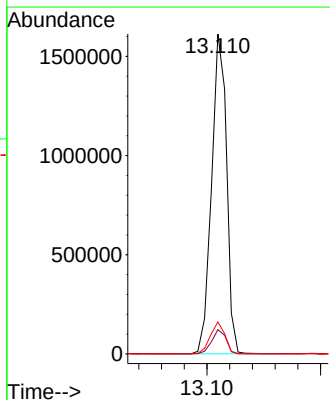
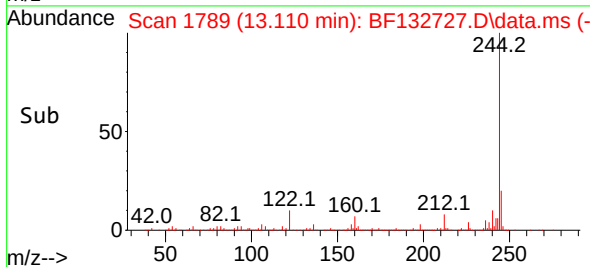
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023

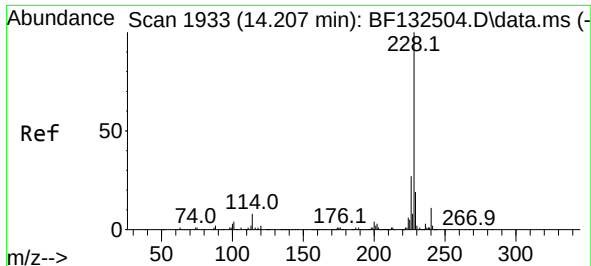


#79
Terphenyl-d14
Concen: 62.676 ng
RT: 13.110 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



Tgt Ion:244 Resp: 1478387
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 10.0 7.5 11.3





#81

Benzo(a)anthracene

Concen: 19.165 ng

RT: 14.168 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion:228 Resp: 571880

Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

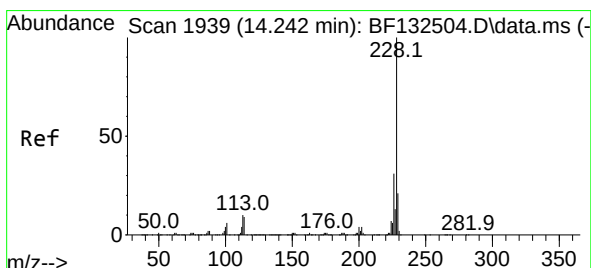
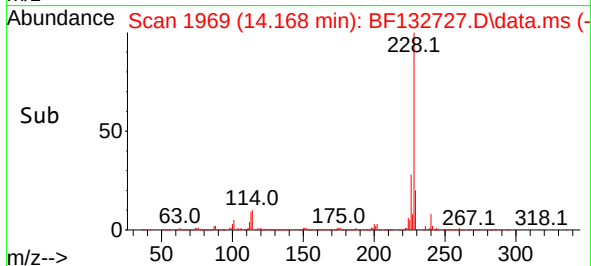
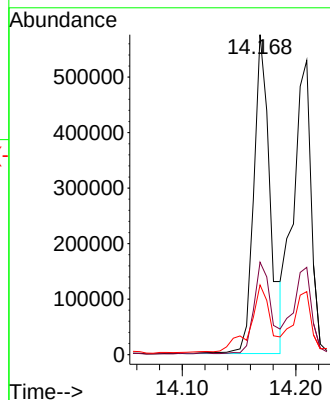
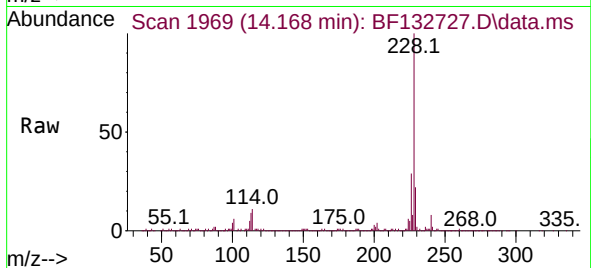
229 21.8 15.4 23.2

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Reviewed By :Christian Giraldo 03/10/2023

Supervised By :Jagrut Upadhyay 03/10/2023



#83

Chrysene

Concen: 20.706 ng

RT: 14.210 min Scan# 1976

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

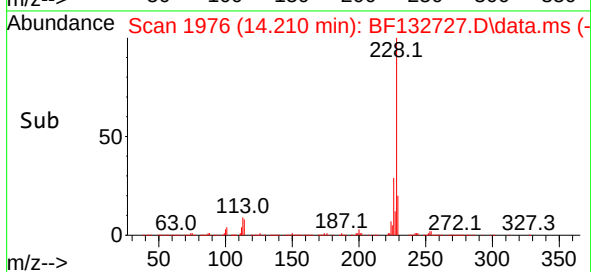
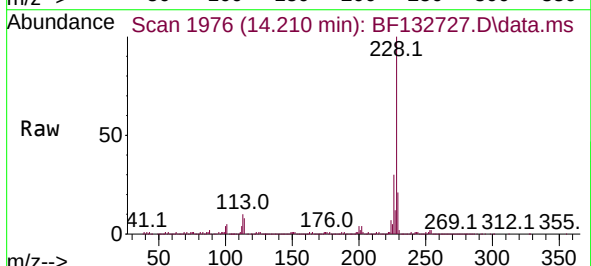
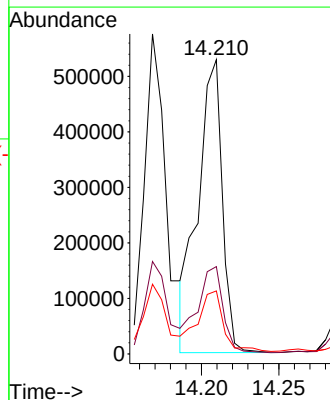
Tgt Ion:228 Resp: 577773

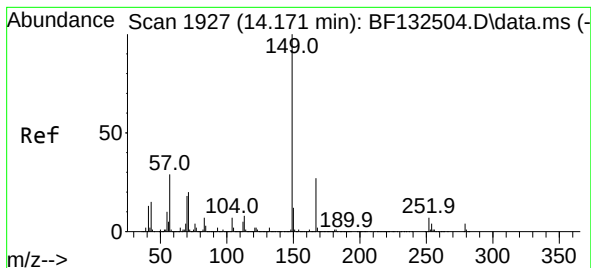
Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

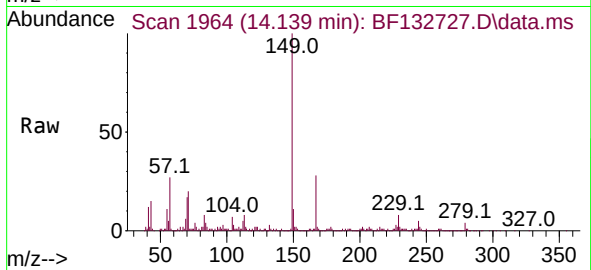
229 21.4 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 8.070 ng
RT: 14.139 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

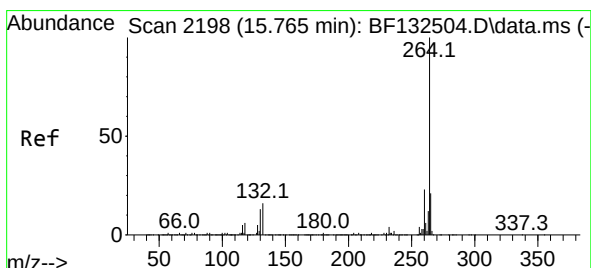
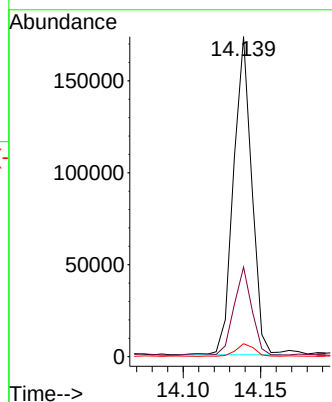
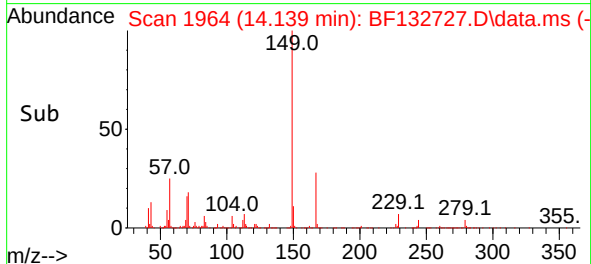
Instrument :
BNA_F
ClientSampleId :
VNJ-228



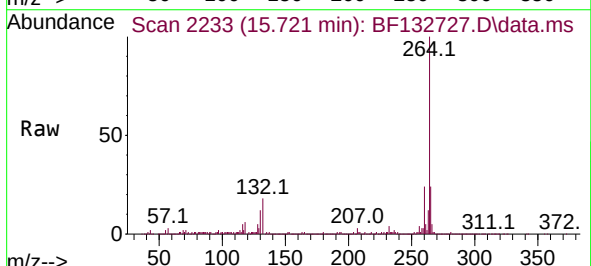
Tgt Ion:149 Resp: 141855
Ion Ratio Lower Upper
149 100
167 28.0 21.8 32.6
279 4.0 3.0 4.6

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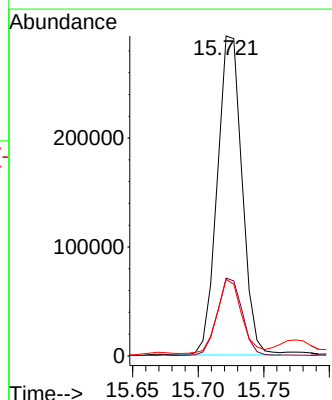
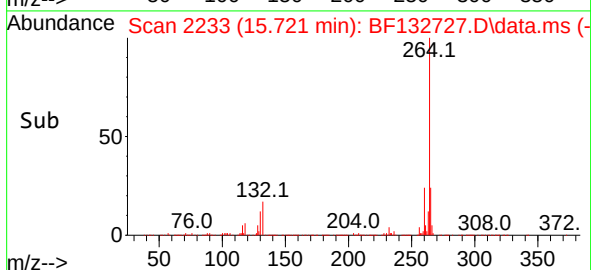
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023

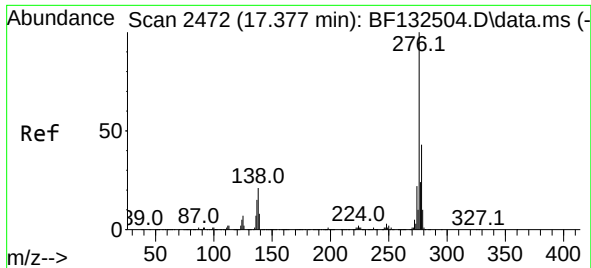


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.721 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



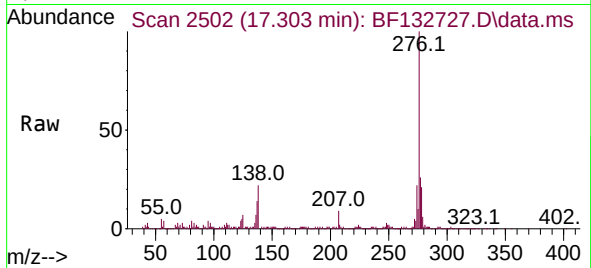
Tgt Ion:264 Resp: 385825
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 23.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.887 ng
RT: 17.303 min Scan# 2156
Delta R.T. -0.023 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

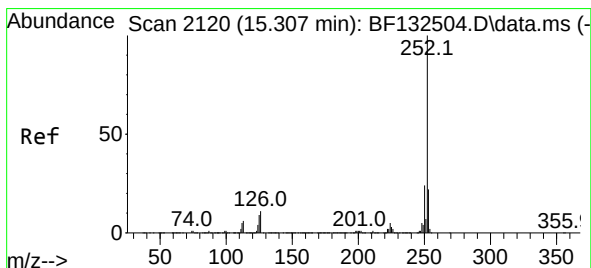
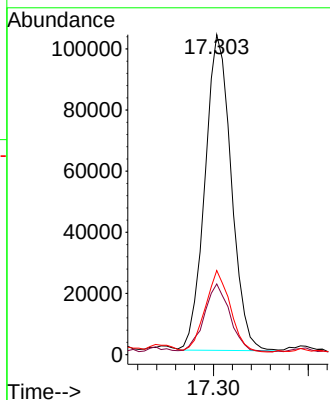
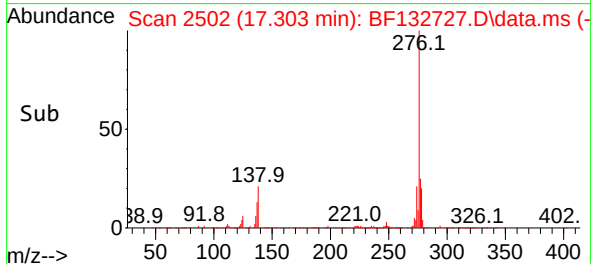
Instrument :
BNA_F
ClientSampleId :
VNJ-228



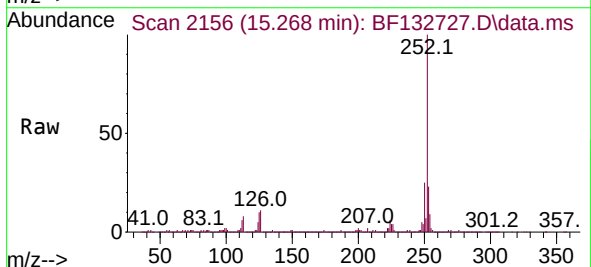
Tgt Ion:276 Resp: 199403
Ion Ratio Lower Upper
276 100
138 20.9 19.0 28.4
277 25.0 20.0 30.0

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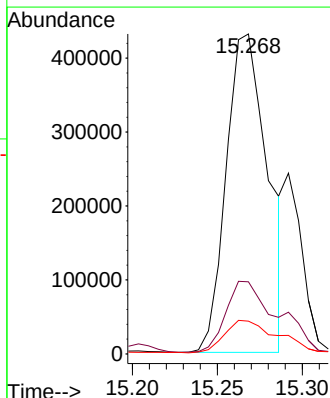
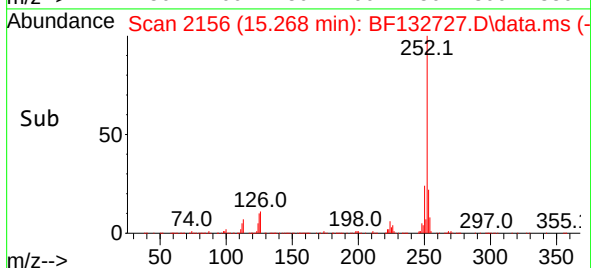
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023

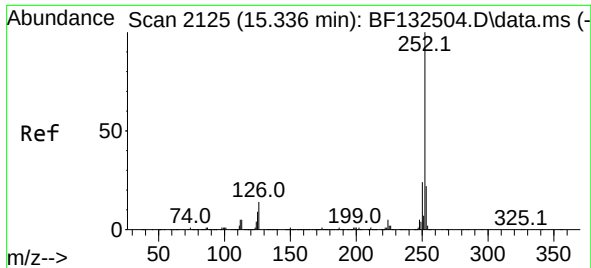


#88
Benzo(b)fluoranthene
Concen: 28.281 ng m
RT: 15.268 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



Tgt Ion:252 Resp: 731242
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.2 7.0 10.6





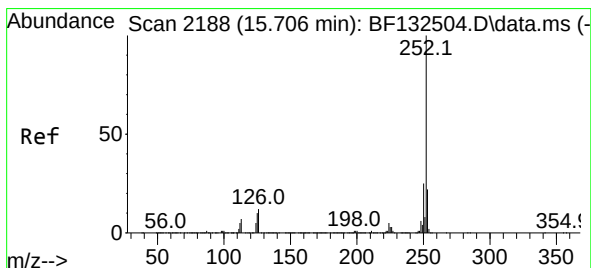
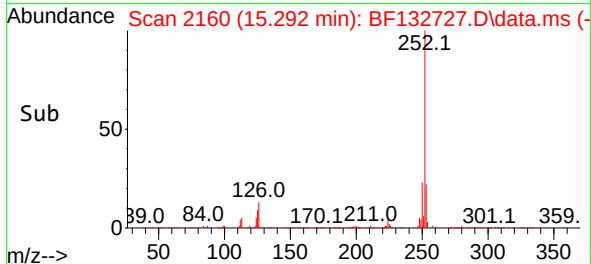
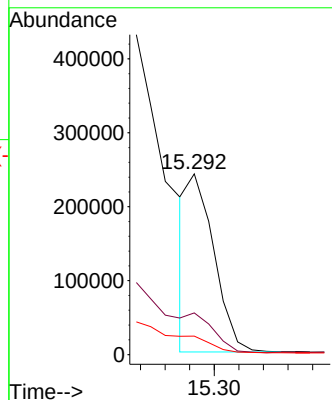
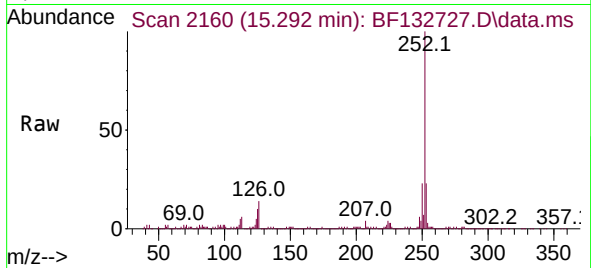
#89
Benzo(k)fluoranthene
Concen: 7.029 ng m
RT: 15.292 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:252 Resp: 177862
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.2 7.2 10.8

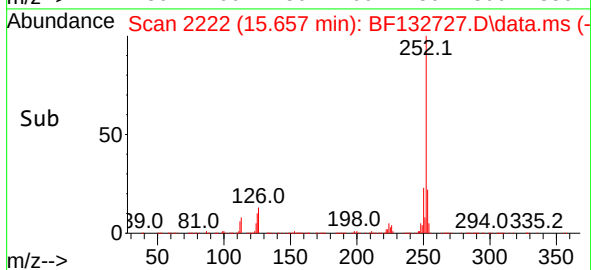
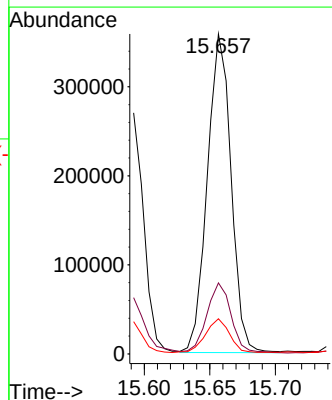
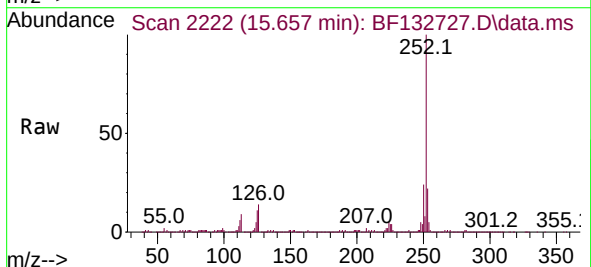
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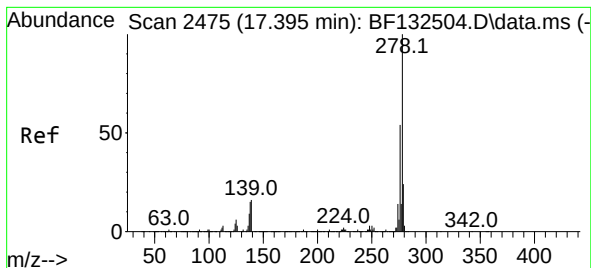
Reviewed By :Christian Giraldo 03/10/2023
Supervised By :Jagrut Upadhyay 03/10/2023



#90
Benzo(a)pyrene
Concen: 18.649 ng
RT: 15.657 min Scan# 2222
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:252 Resp: 451285
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 11.0 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 2.752 ng m

RT: 17.309 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion:278 Resp: 56690

Ion Ratio Lower Upper

278 100

139 23.2 13.0 19.4

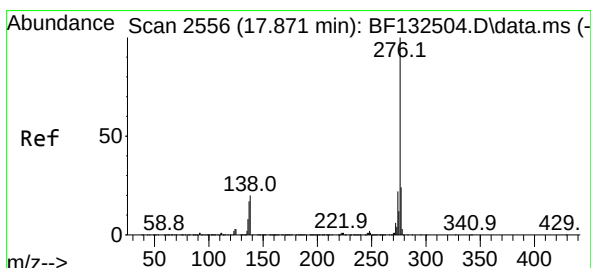
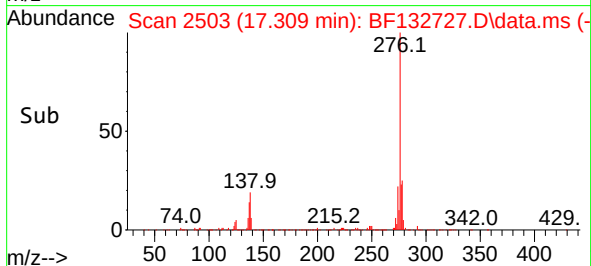
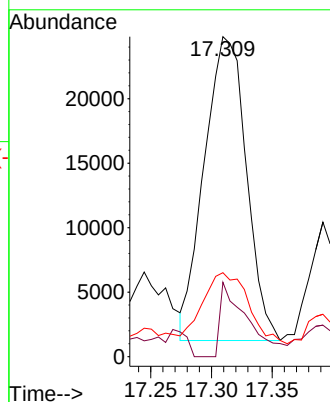
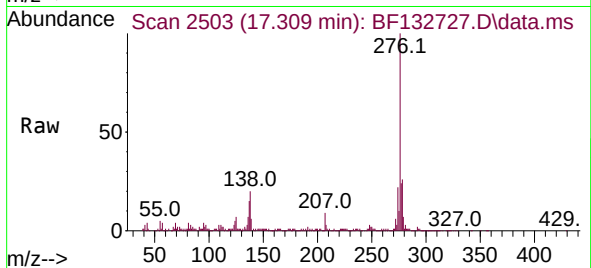
279 26.2 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/10/2023

Supervised By :Jagrut Upadhyay 03/10/2023



#92

Benzo(g,h,i)perylene

Concen: 9.924 ng

RT: 17.792 min Scan# 2585

Delta R.T. -0.023 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Tgt Ion:276 Resp: 200159

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 22.1 16.2 24.4

