

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132633.D
 Acq On : 03 Mar 2023 17:33
 Operator : CG\JU
 Sample : 01770-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 02:18:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	181135	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	597428	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	254451	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	407977	20.000	ng	0.00
76) Chrysene-d12	14.204	240	407342	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	437541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1090790	97.735	ng	0.00
7) Phenol-d6	6.628	99	1322357	90.786	ng	0.00
23) Nitrobenzene-d5	7.563	82	832430	66.107	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	237609	86.467	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1189179	71.162	ng	-0.01
79) Terphenyl-d14	13.133	244	1143632	47.468	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.904	152	55932	2.302	ng	96
52) Acenaphthene	10.080	154	89116	5.775	ng	98
55) Dibenzofuran	10.251	168	88451	3.932	ng	94
58) Fluorene	10.598	166	119276	6.932	ng	96
71) Phenanthrene	11.569	178	689353	32.616	ng	98
72) Anthracene	11.616	178	156973	7.212	ng	98
75) Fluoranthene	12.768	202	866859	37.518	ng	99
78) Pyrene	12.998	202	733007	19.793	ng	99
81) Benzo(a)anthracene	14.198	228	442875m	14.531	ng	
83) Chrysene	14.233	228	443939	15.576	ng	98
87) Indeno(1,2,3-cd)pyrene	17.356	276	162921	5.683	ng	98
88) Benzo(b)fluoranthene	15.298	252	560787m	19.125	ng	
89) Benzo(k)fluoranthene	15.321	252	160349m	5.588	ng	
90) Benzo(a)pyrene	15.692	252	335780	12.236	ng	97
91) Dibenzo(a,h)anthracene	17.368	278	48833m	2.091	ng	
92) Benzo(g,h,i)perylene	17.845	276	137789	6.658	ng	98

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

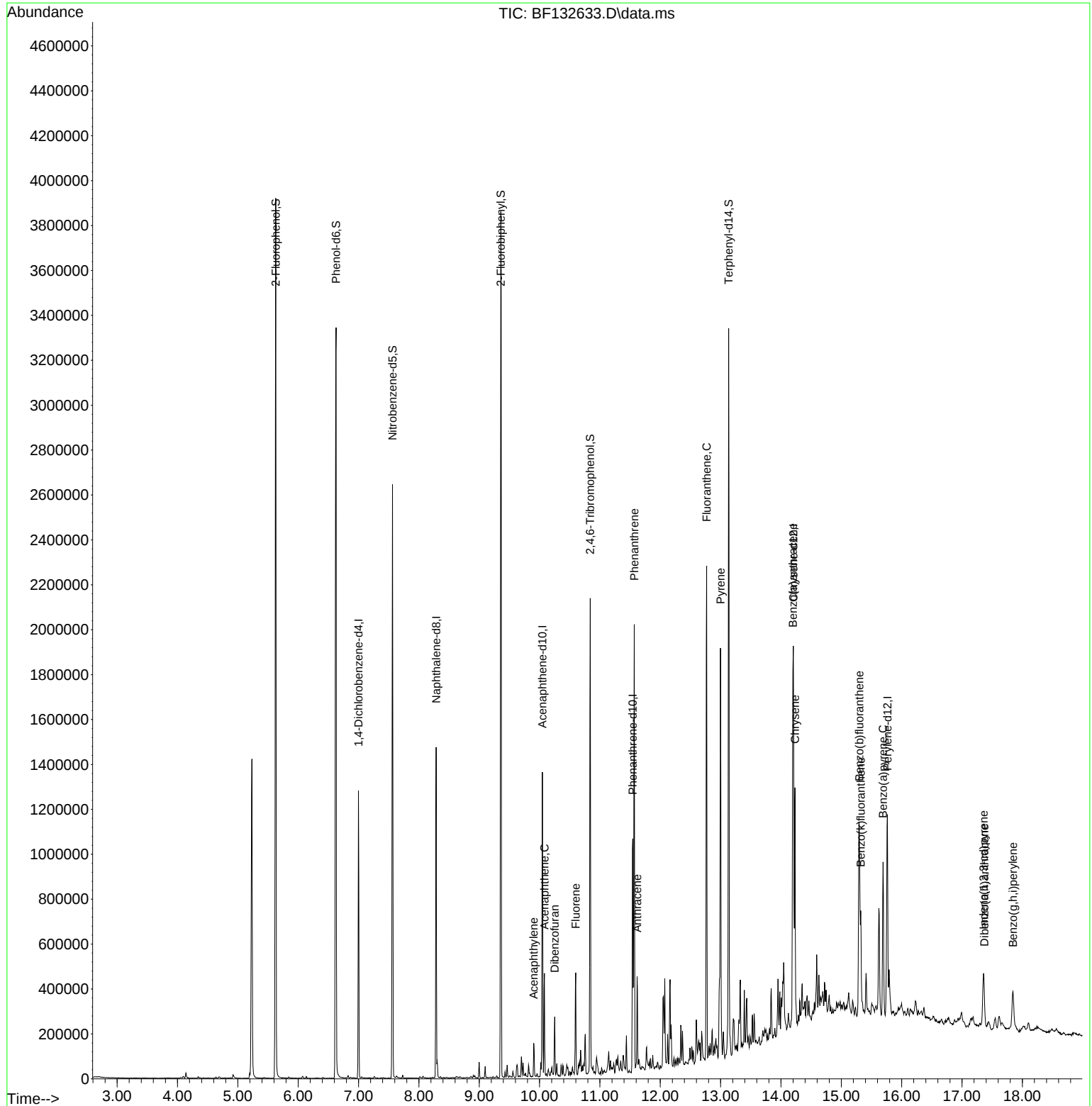
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
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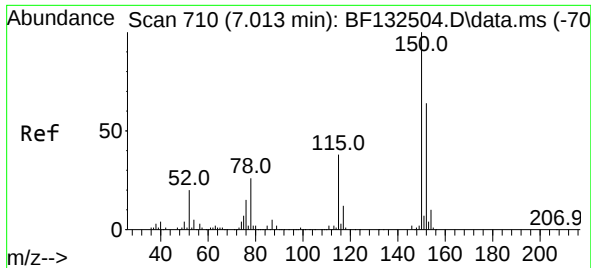
Instrument :
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ClientSampleId :
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Quant Time: Mar 04 02:18:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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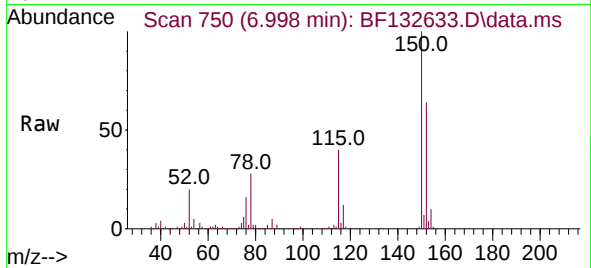
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

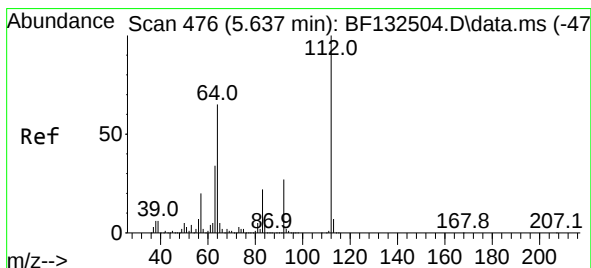
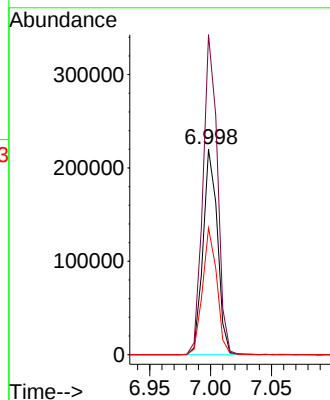
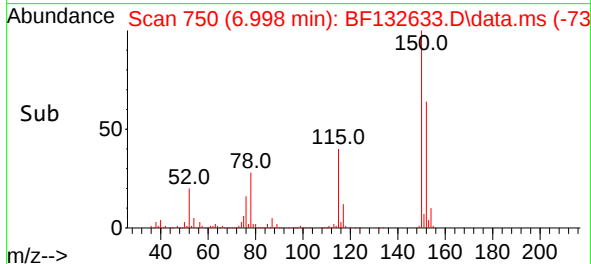
Instrument :
BNA_F
ClientSampleId :
VNJ-223



Tgt Ion:152 Resp: 181135
Ion Ratio Lower Upper
152 100
150 155.8 125.4 188.2
115 61.7 47.8 71.6

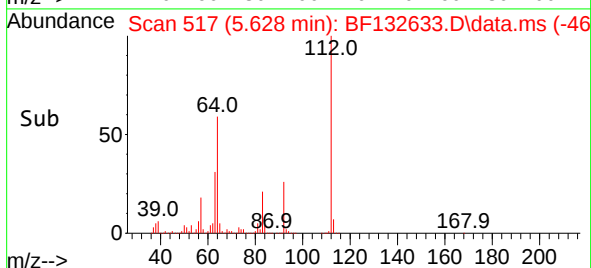
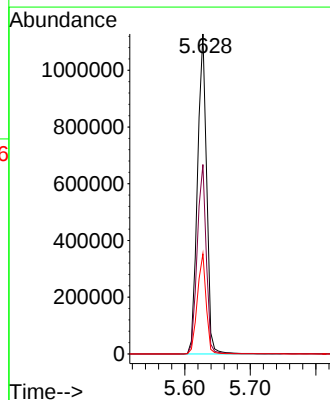
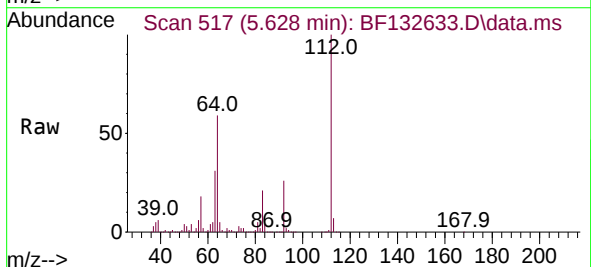
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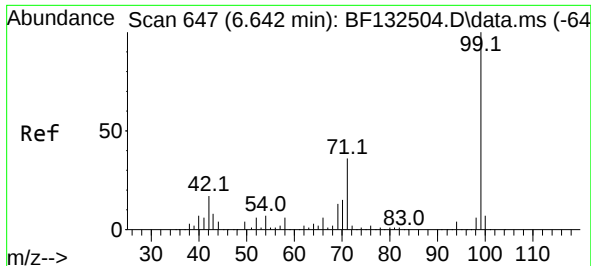
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#5
2-Fluorophenol
Concen: 97.735 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

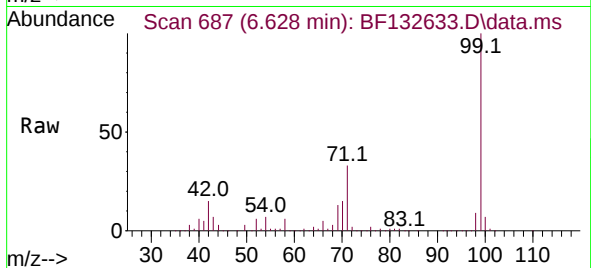
Tgt Ion:112 Resp: 1090790
Ion Ratio Lower Upper
112 100
64 59.2 51.6 77.4
63 31.3 27.4 41.2





#7
Phenol-d6
Concen: 90.786 ng
RT: 6.628 min Scan# 687
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

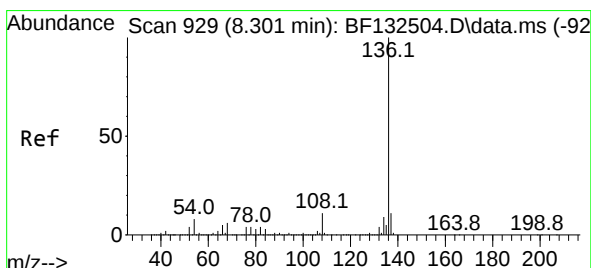
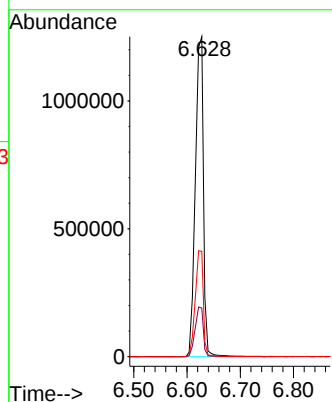
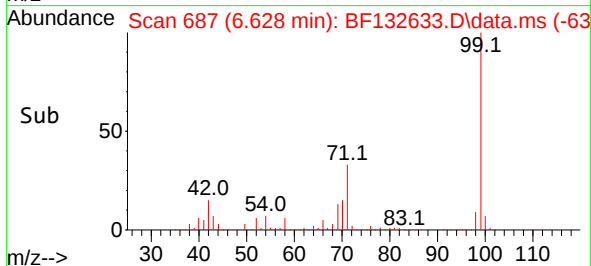
Instrument :
BNA_F
ClientSampleId :
VNJ-223



Tgt Ion: 99 Resp: 132235
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 32.9 28.5 42.7

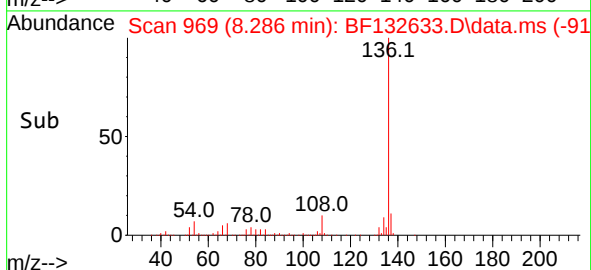
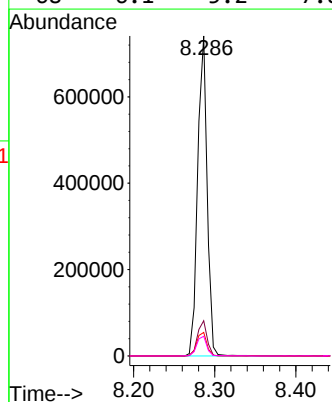
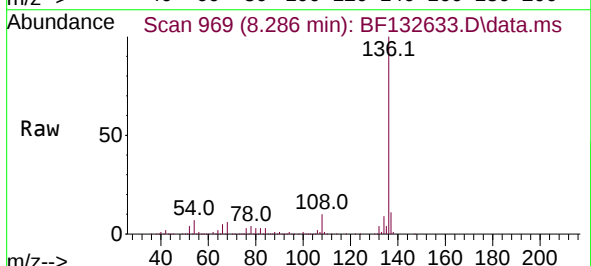
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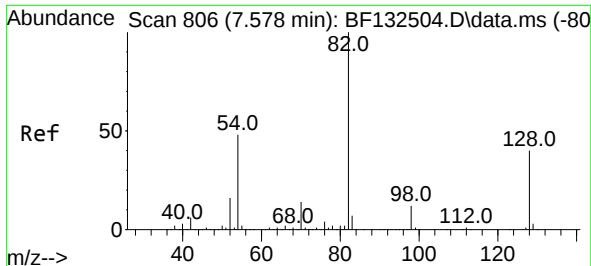
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:136 Resp: 597428
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.3 6.2 9.4
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 66.107 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion: 82 Resp: 832436

Ion Ratio Lower Upper

82 100

128 42.0 32.2 48.2

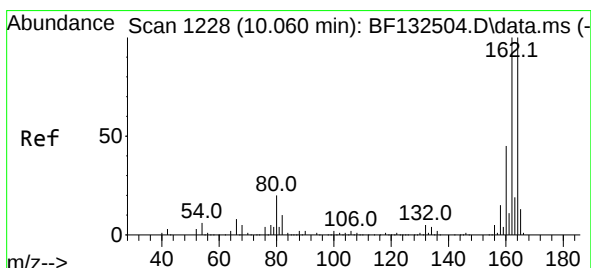
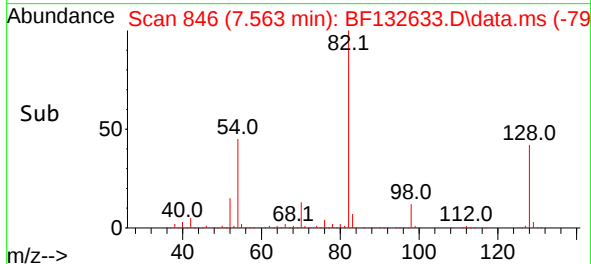
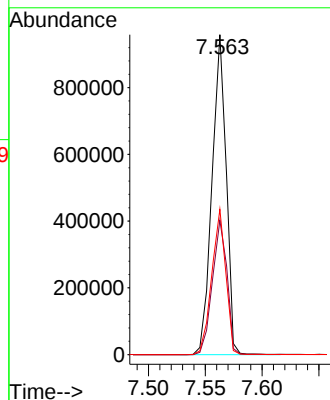
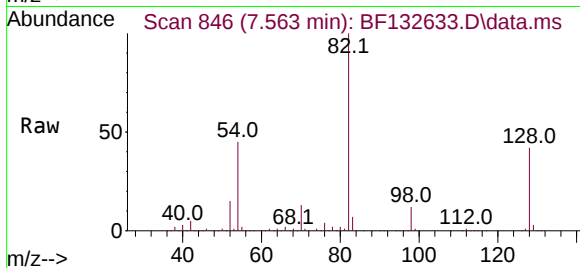
54 45.4 38.4 57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1268

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

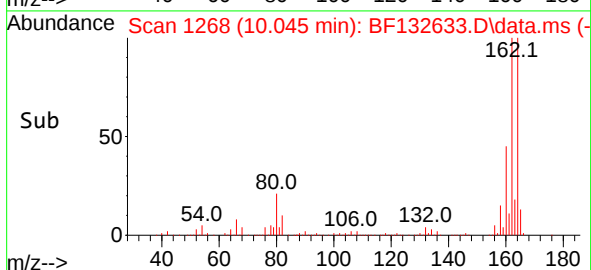
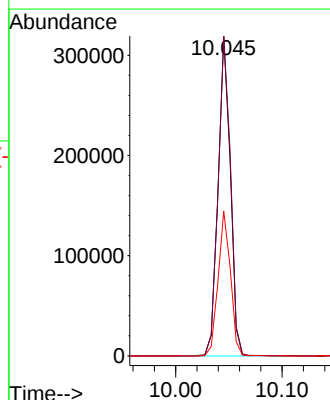
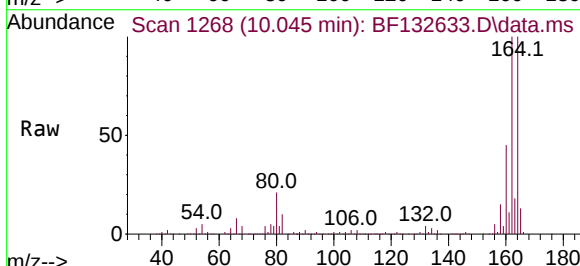
Tgt Ion:164 Resp: 254451

Ion Ratio Lower Upper

164 100

162 100.2 79.8 119.8

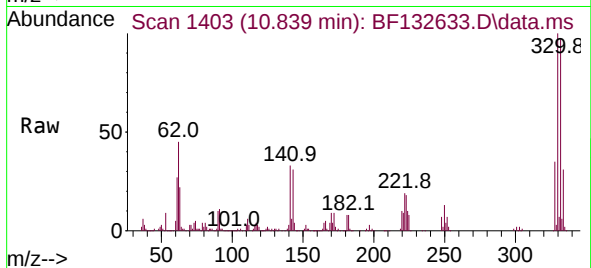
160 45.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 86.467 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

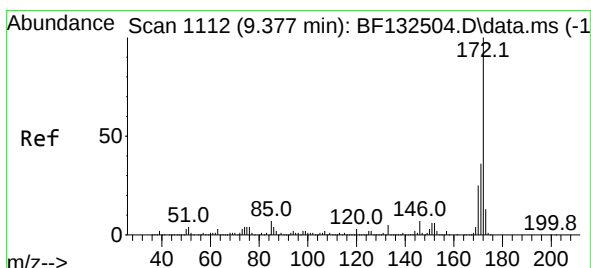
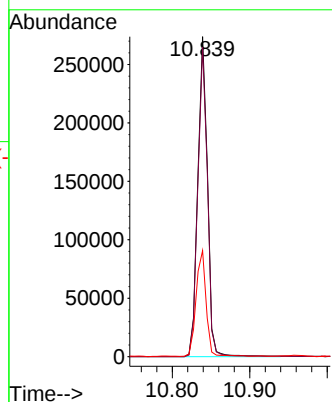
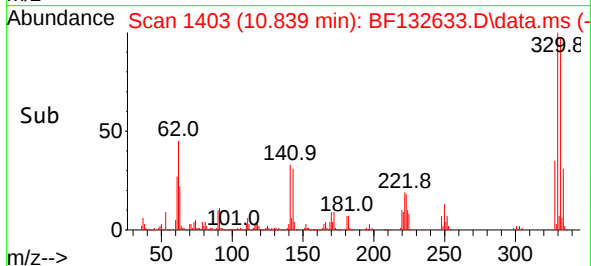
Instrument :
BNA_F
ClientSampleId :
VNJ-223



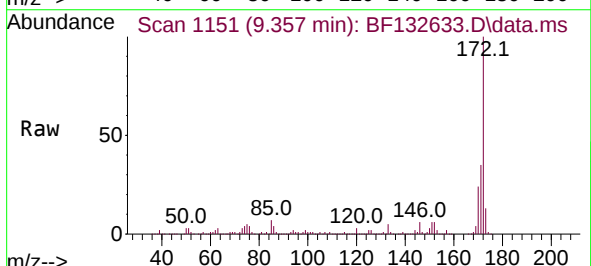
Tgt Ion: 330 Resp: 237609
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 34.1 28.4 42.6

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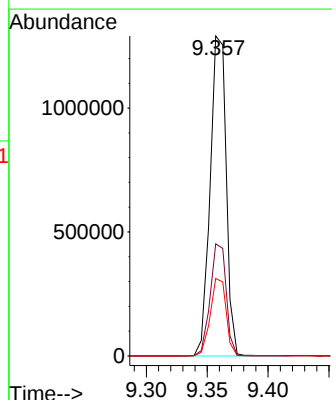
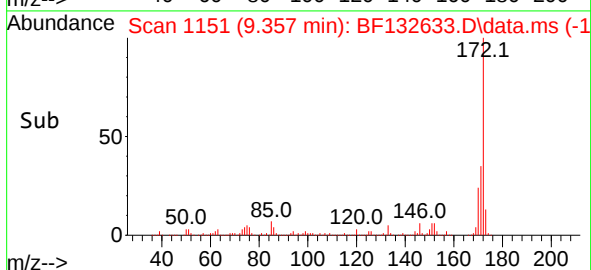
Reviewed By : Christian Giraldo 03/06/2023
Supervised By : Jagrut Upadhyay 03/06/2023

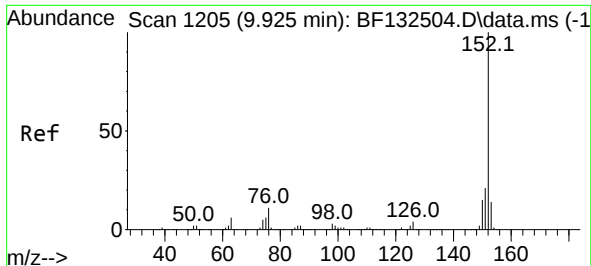


#45
2-Fluorobiphenyl
Concen: 71.162 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33



Tgt Ion: 172 Resp: 1189179
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.2 19.7 29.5





#49

Acenaphthylene

Concen: 2.302 ng

RT: 9.904 min Scan# 1205

Delta R.T. -0.015 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

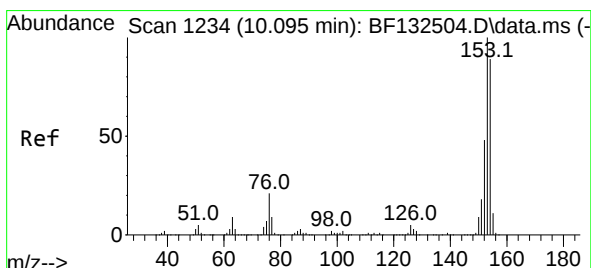
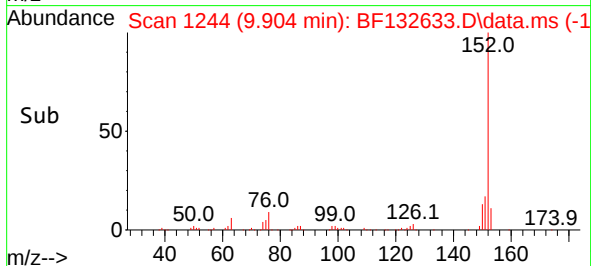
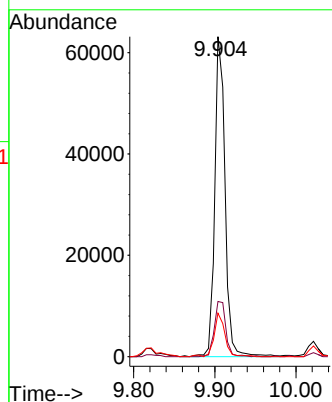
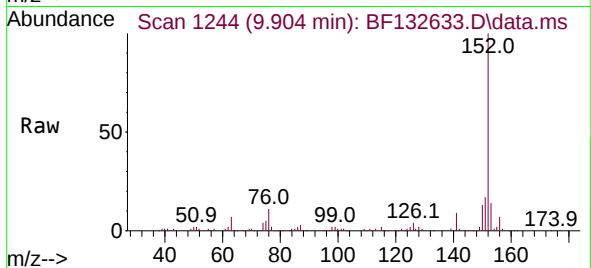
VNJ-223

Tgt Ion:152	Resp:	55932
Ion Ratio	Lower	Upper
152	100	
151	17.2	16.4 24.6
153	13.6	11.0 16.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#52

Acenaphthene

Concen: 5.775 ng

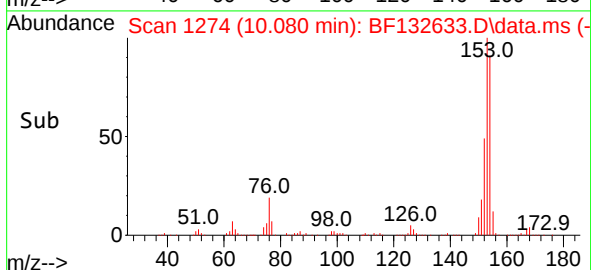
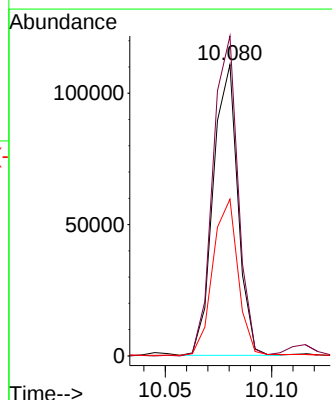
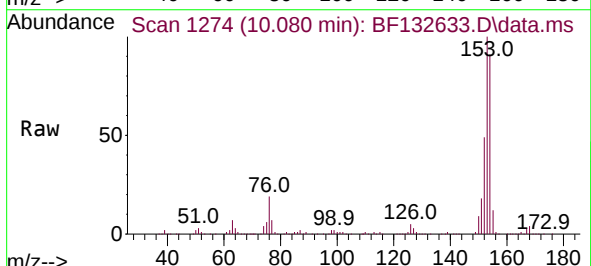
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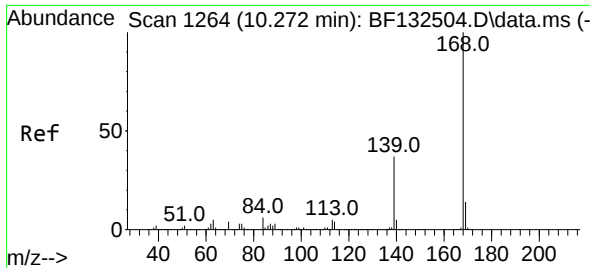
Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Tgt Ion:154	Resp:	89116
Ion Ratio	Lower	Upper
154	100	
153	109.9	89.8 134.8
152	53.8	43.3 64.9





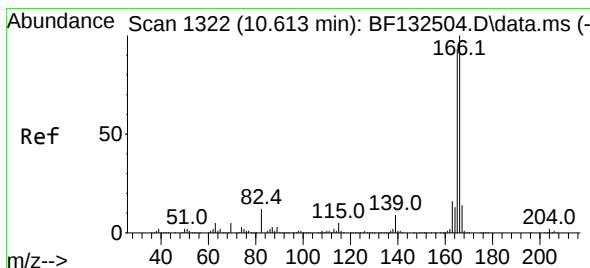
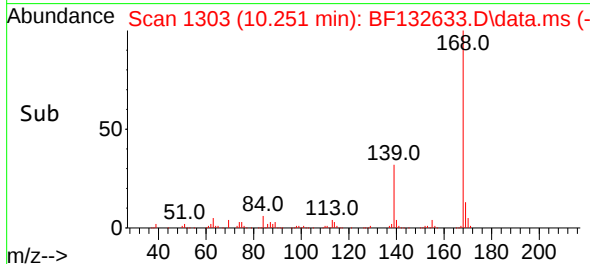
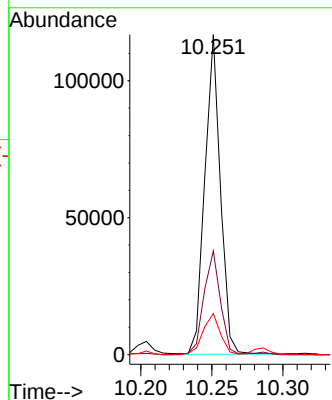
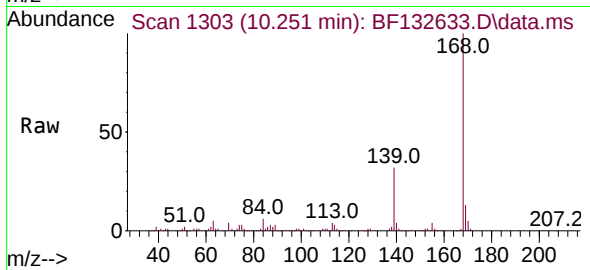
#55
Dibenzenofuran
Concen: 3.932 ng
RT: 10.251 min Scan# 1303
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tgt Ion:168 Resp: 8845
Ion Ratio Lower Upper
168 100
139 32.4 29.8 44.6
169 12.8 10.9 16.3

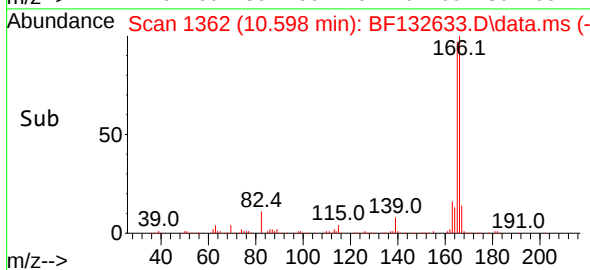
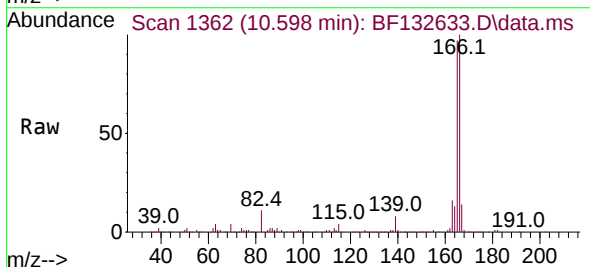
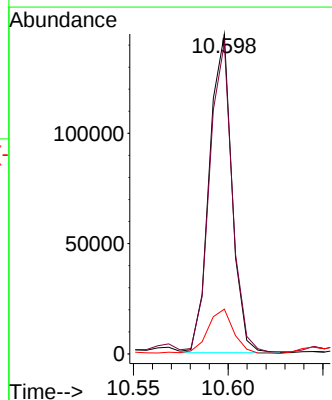
Manual Integrations
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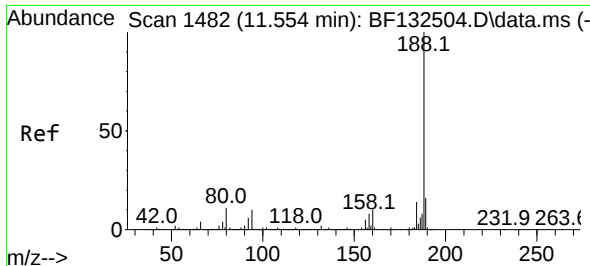
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#58
Fluorene
Concen: 6.932 ng
RT: 10.598 min Scan# 1362
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:166 Resp: 119276
Ion Ratio Lower Upper
166 100
165 97.2 74.2 111.4
167 14.0 11.1 16.7





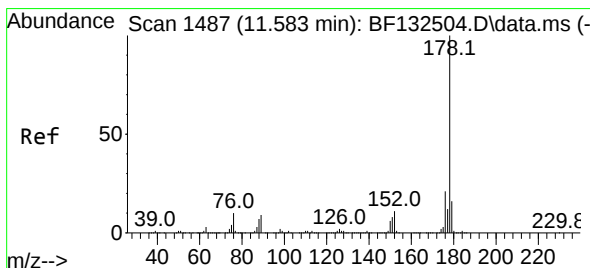
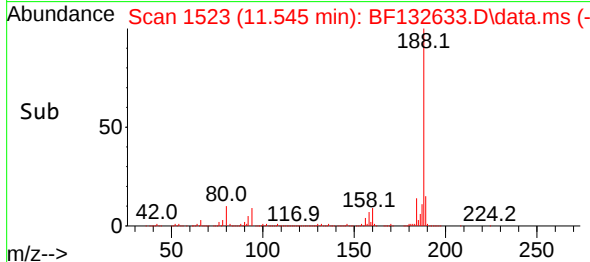
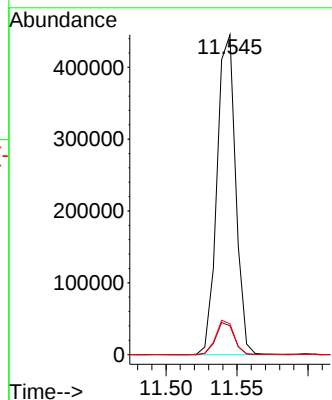
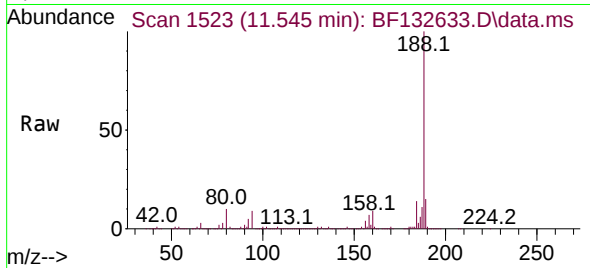
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1152
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tgt Ion:188 Resp: 407977
Ion Ratio Lower Upper
188 100
94 9.0 8.3 12.5
80 9.6 8.7 13.1

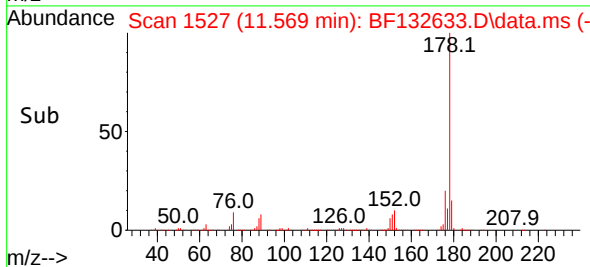
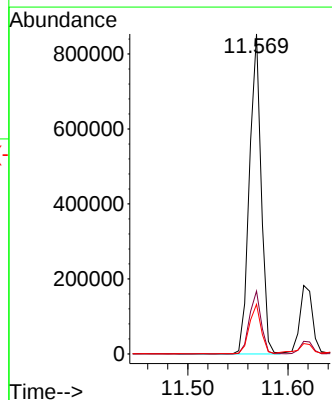
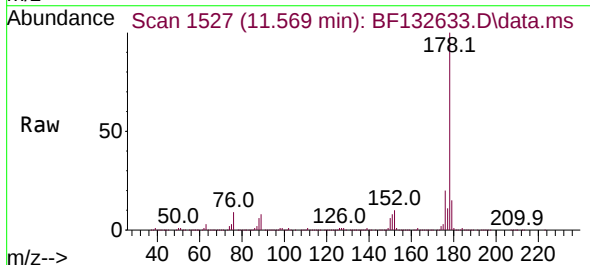
Manual Integrations
APPROVED

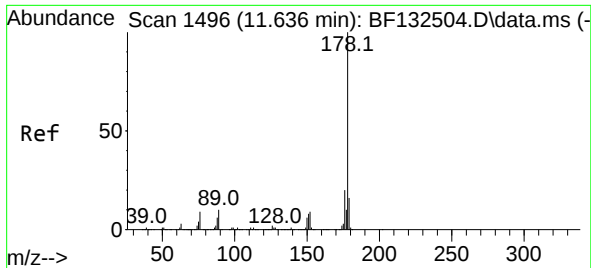
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 32.616 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:178 Resp: 689353
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.5 13.0 19.6





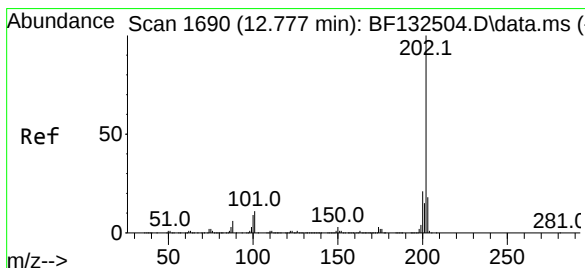
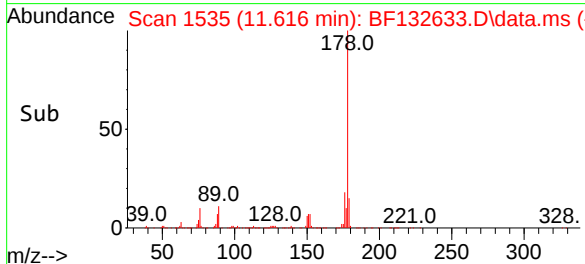
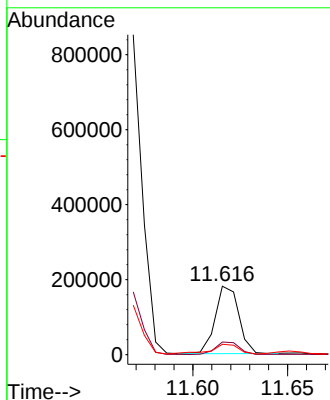
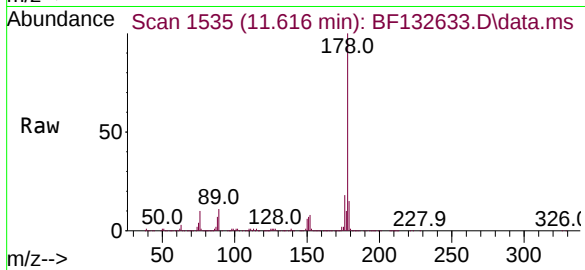
#72
 Anthracene
 Concen: 7.212 ng
 RT: 11.616 min Scan# 11
 Delta R.T. -0.015 min
 Lab File: BF132633.D
 Acq: 03 Mar 2023 17:33

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Tgt Ion:178 Resp: 156973
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.6 23.4
 179 15.0 12.5 18.7

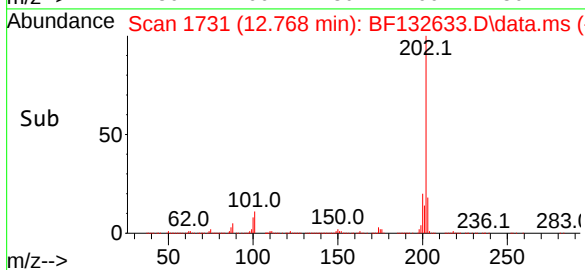
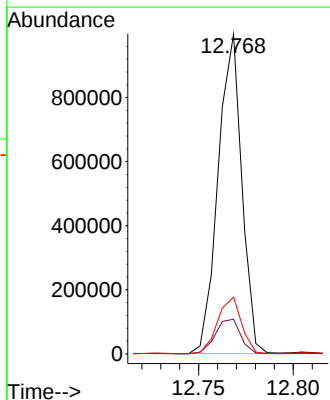
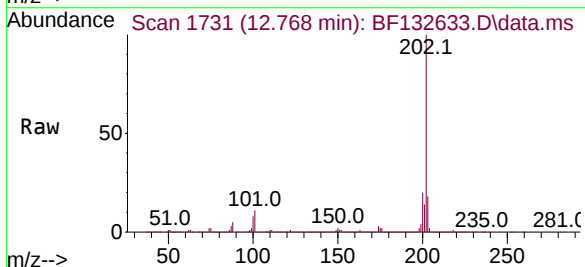
Manual Integrations
 APPROVED

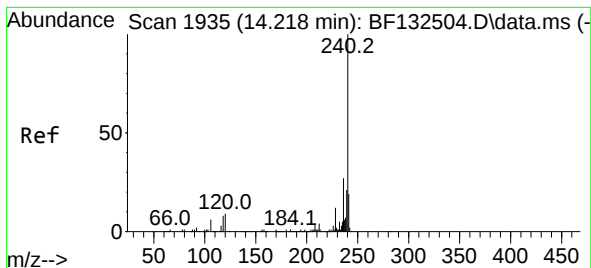
Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023



#75
 Fluoranthene
 Concen: 37.518 ng
 RT: 12.768 min Scan# 1731
 Delta R.T. -0.003 min
 Lab File: BF132633.D
 Acq: 03 Mar 2023 17:33

Tgt Ion:202 Resp: 866859
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.4
 203 17.7 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.204 min Scan# 1935

Delta R.T. -0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion:240 Resp: 407342

Ion Ratio Lower Upper

240 100

120 11.7 7.2 10.8

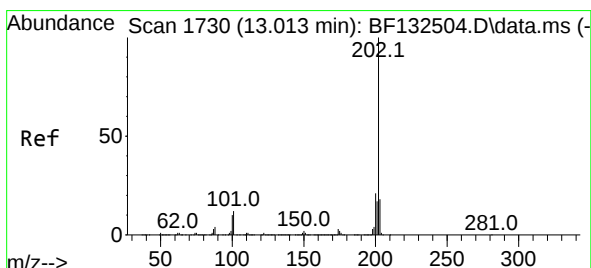
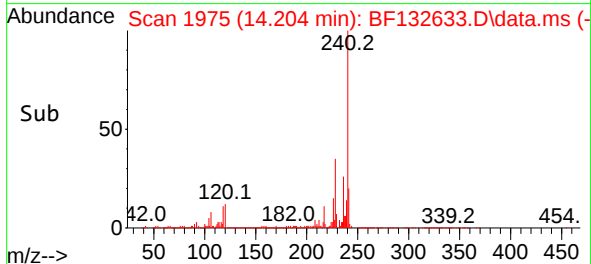
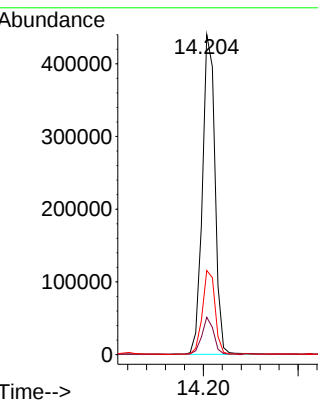
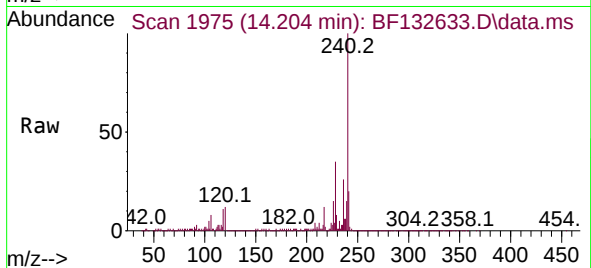
236 26.3 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#78

Pyrene

Concen: 19.793 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

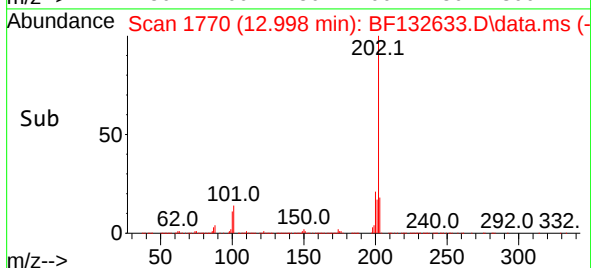
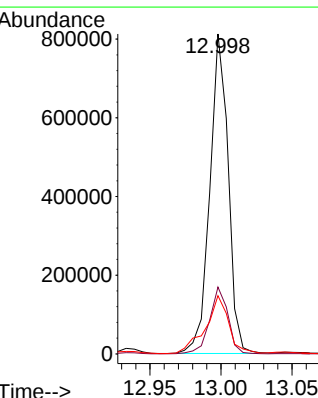
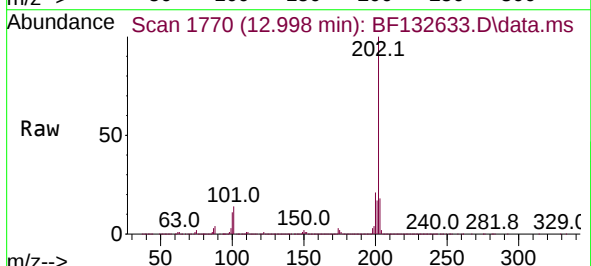
Tgt Ion:202 Resp: 733007

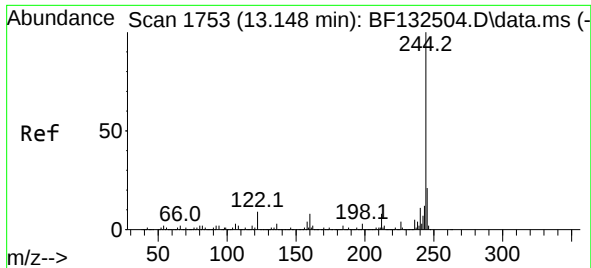
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 18.2 14.6 21.8





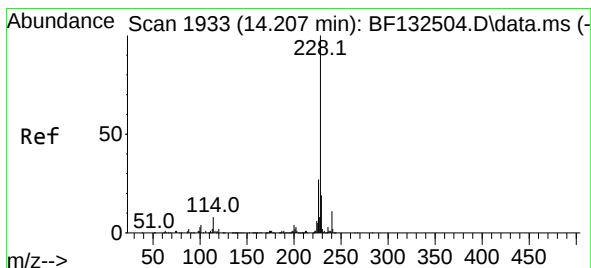
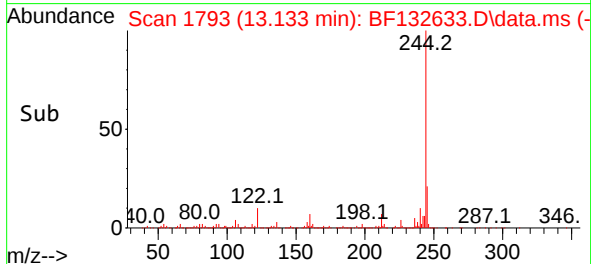
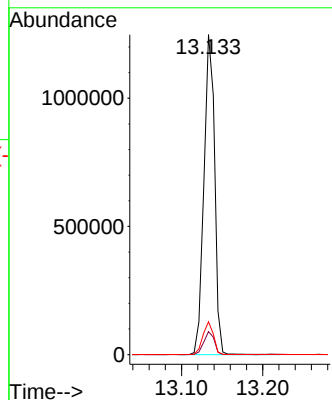
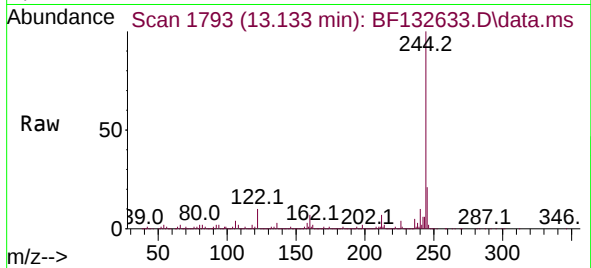
#79
Terphenyl-d14
Concen: 47.468 ng
RT: 13.133 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tgt Ion:244 Resp: 1143632
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 10.3 7.5 11.3

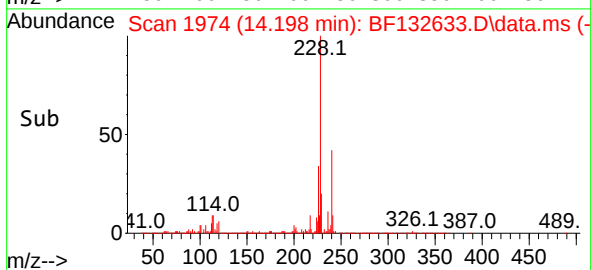
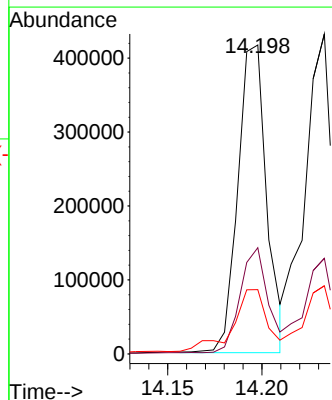
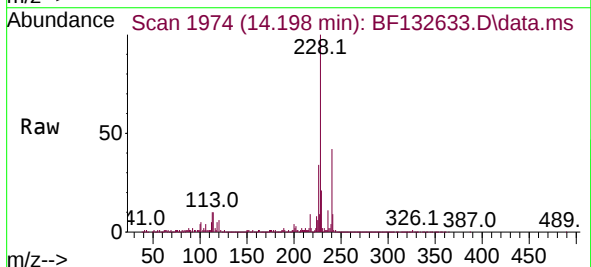
Manual Integrations
APPROVED

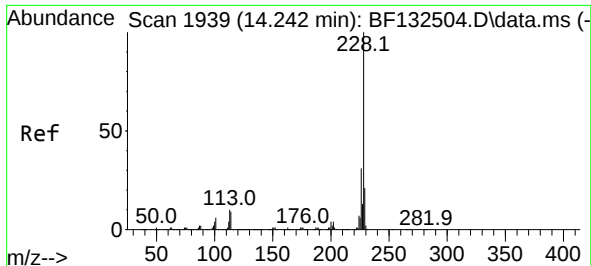
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#81
Benzo(a)anthracene
Concen: 14.531 ng m
RT: 14.198 min Scan# 1974
Delta R.T. 0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

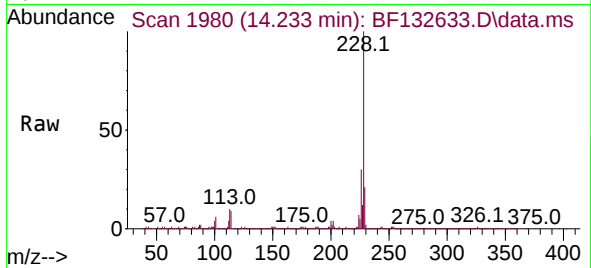
Tgt Ion:228 Resp: 442875
Ion Ratio Lower Upper
228 100
226 34.4 21.7 32.5#
229 20.8 15.4 23.2





#83
Chrysene
Concen: 15.576 ng
RT: 14.233 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

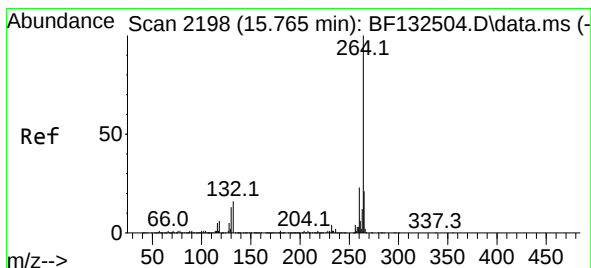
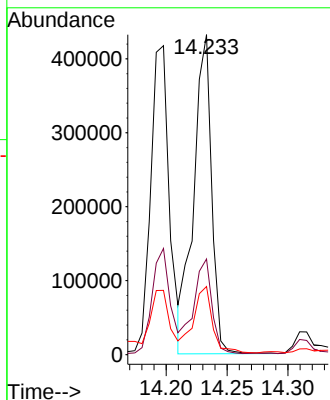
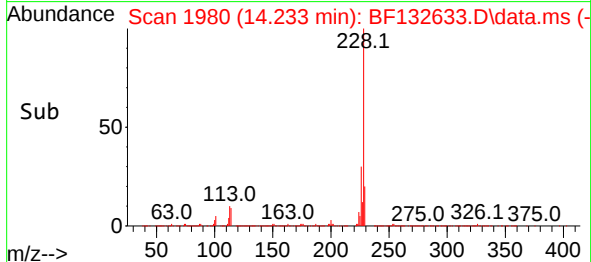
Instrument :
BNA_F
ClientSampleId :
VNJ-223



Tgt Ion:228 Resp: 443939
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.3 16.4 24.6

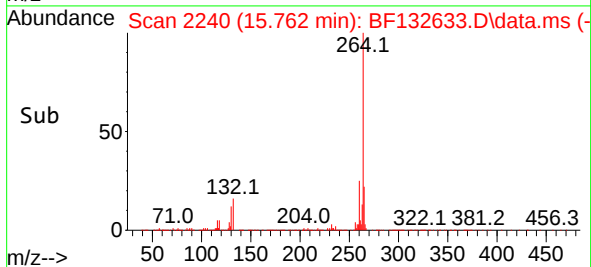
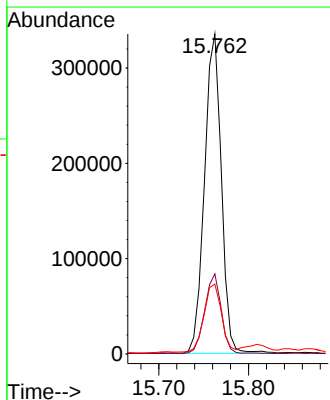
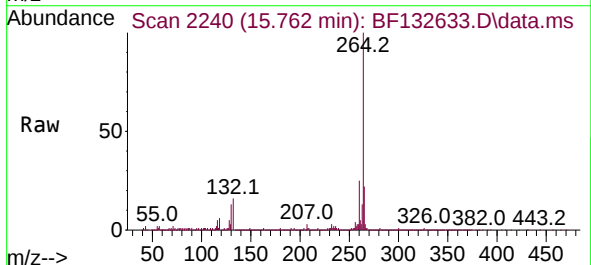
Manual Integrations
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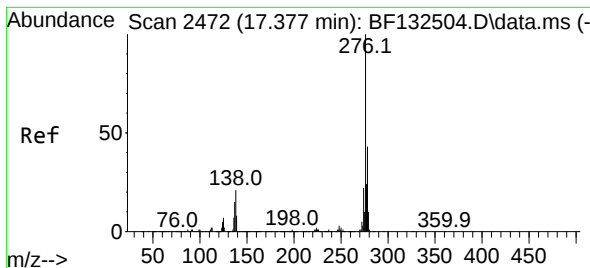
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.762 min Scan# 2240
Delta R.T. 0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:264 Resp: 437541
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 21.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.683 ng

RT: 17.356 min Scan# 2161

Delta R.T. -0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

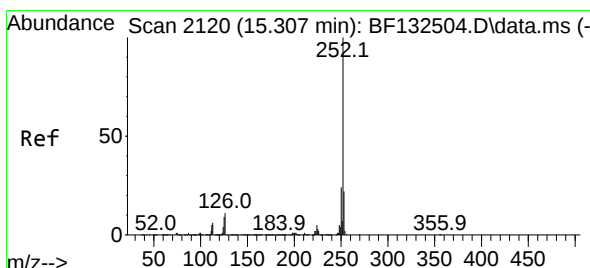
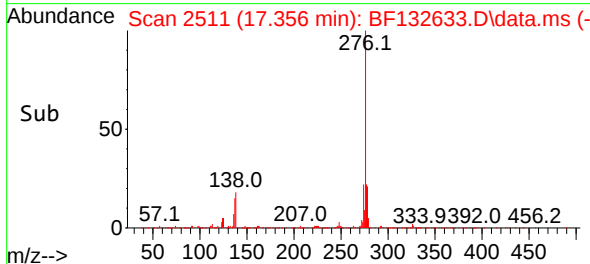
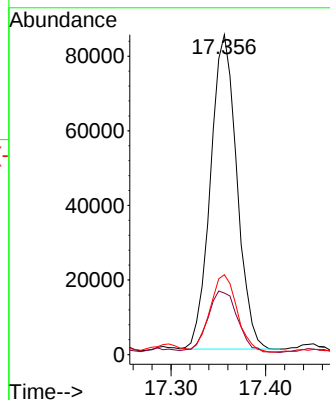
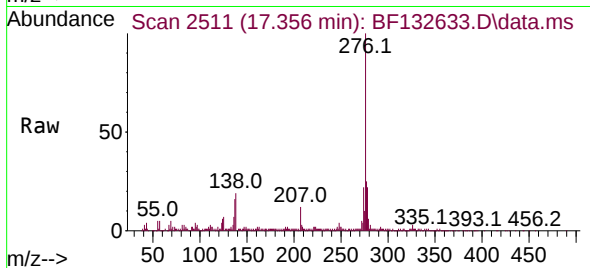
Tgt Ion:276 Resp: 162921
 Ion Ratio Lower Upper
 276 100
 138 22.2 19.0 28.4
 277 25.2 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#88

Benzo(b)fluoranthene

Concen: 19.125 ng m

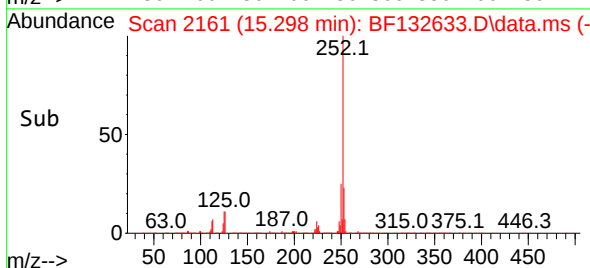
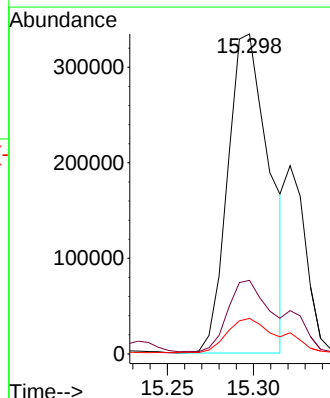
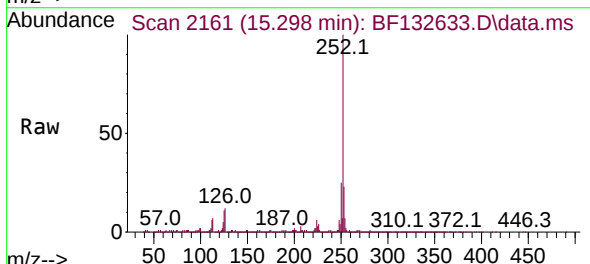
RT: 15.298 min Scan# 2161

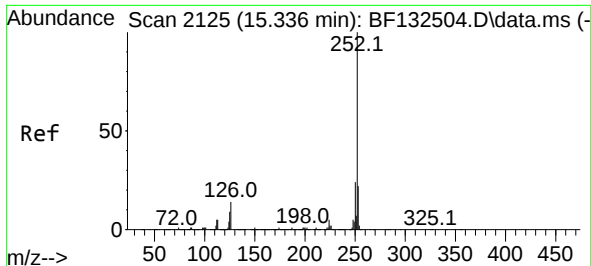
Delta R.T. 0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

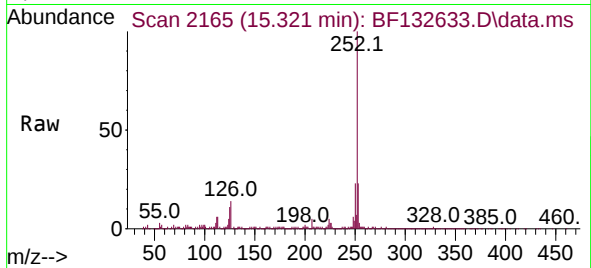
Tgt Ion:252 Resp: 560787
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.4 26.0
 125 11.1 7.0 10.6#





#89
Benzo(k)fluoranthene
Concen: 5.588 ng m
RT: 15.321 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

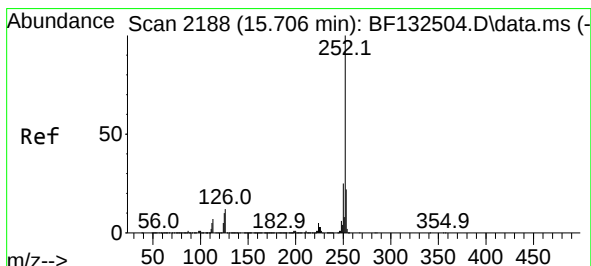
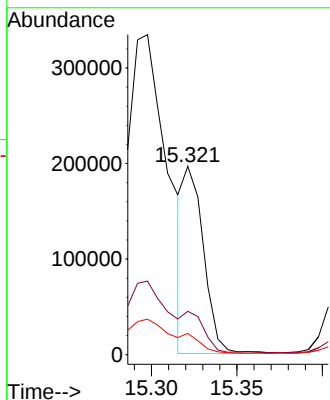
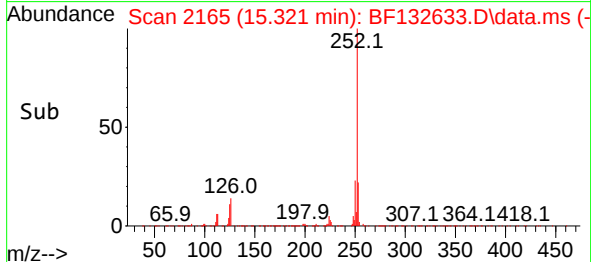
Instrument :
BNA_F
ClientSampleId :
VNJ-223



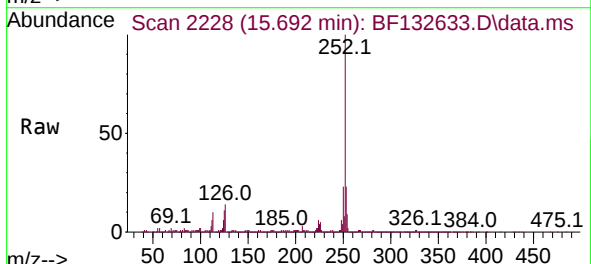
Tgt Ion:252 Resp: 160349
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.3 7.2 10.8

Manual Integrations
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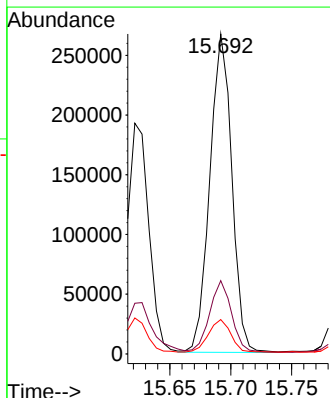
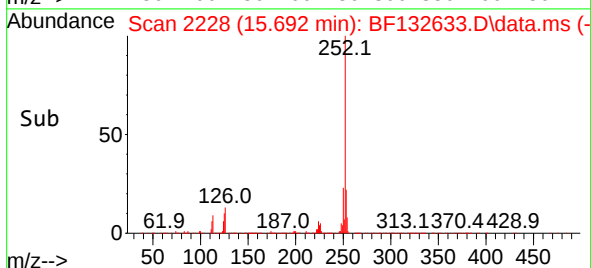
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

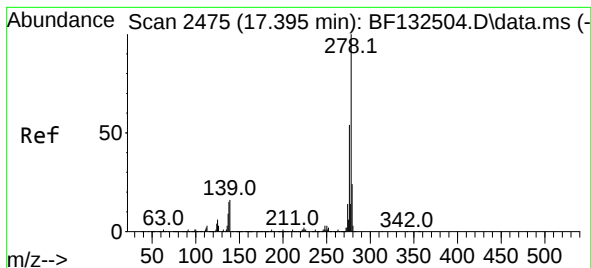


#90
Benzo(a)pyrene
Concen: 12.236 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33



Tgt Ion:252 Resp: 335780
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 10.7 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 2.091 ng m

RT: 17.368 min Scan# 2475

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion:278 Resp: 48833

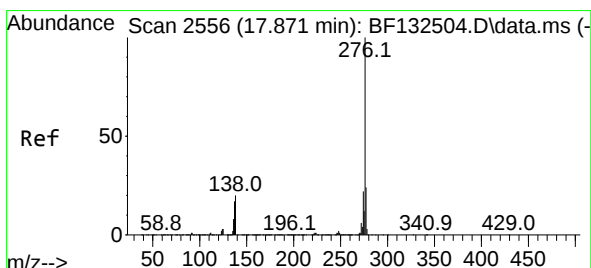
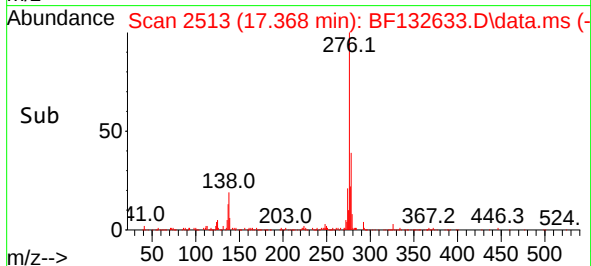
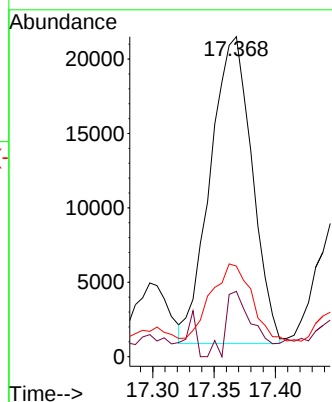
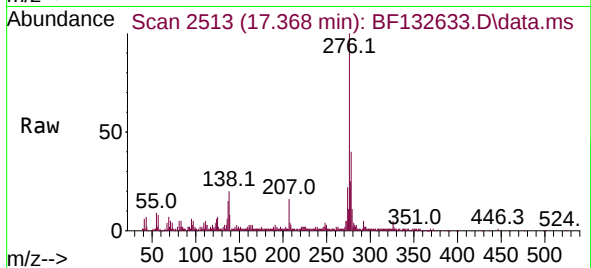
Ion	Ratio	Lower	Upper
278	100		
139	20.4	13.0	19.4
279	28.3	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#92

Benzo(g,h,i)perylene

Concen: 6.658 ng

RT: 17.845 min Scan# 2594

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Tgt Ion:276 Resp: 137789

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	22.1	16.2	24.4

