

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126552.D
 Acq On : 7 Jan 2022 19:53
 Operator : JU/CG
 Sample : N1050-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-236

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/10/2022
 Supervised By : Jagrut Upadhyay 01/10/2022

Quant Time: Jan 08 04:40:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	94229	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	340207	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	95094	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	92300	20.000	ng	# 0.05
76) Chrysene-d12	13.980	240	111668	20.000	ng	0.03
86) Perylene-d12	15.433	264	109456	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	234681	35.766	ng	0.00
7) Phenol-d6	6.410	99	285670	33.613	ng	-0.01
23) Nitrobenzene-d5	7.339	82	162479	24.522	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	25945	35.307	ng	0.02
45) 2-Fluorobiphenyl	9.145	172	200090	37.027	ng	0.00
79) Terphenyl-d14	12.945	244	94754	16.486	ng	0.05
Target Compounds						Qvalue
52) Acenaphthene	9.863	154	11131	2.119	ng	# 78
58) Fluorene	10.386	166	19238	3.832	ng	# 37
71) Phenanthrene	11.392	178	85932	18.210	ng	# 7
72) Anthracene	11.533	178	94509m	20.016	ng	
74) Di-n-butylphthalate	11.933	149	47673	9.057	ng	# 18
75) Fluoranthene	12.592	202	127375	29.575	ng	86
78) Pyrene	12.815	202	110018	11.658	ng	# 90
81) Benzo(a)anthracene	13.968	228	54591m	8.501	ng	
83) Chrysene	14.004	228	90454	13.732	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	88752	20.480	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.856	276	47932m	6.543	ng	
88) Benzo(b)fluoranthene	15.015	252	126448m	19.393	ng	
89) Benzo(k)fluoranthene	15.039	252	31333m	4.961	ng	
90) Benzo(a)pyrene	15.368	252	61369	11.225	ng	# 85
91) Dibenzo(a,h)anthracene	16.862	278	12609	2.133	ng	# 76
92) Benzo(g,h,i)perylene	17.286	276	49110	7.802	ng	96

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

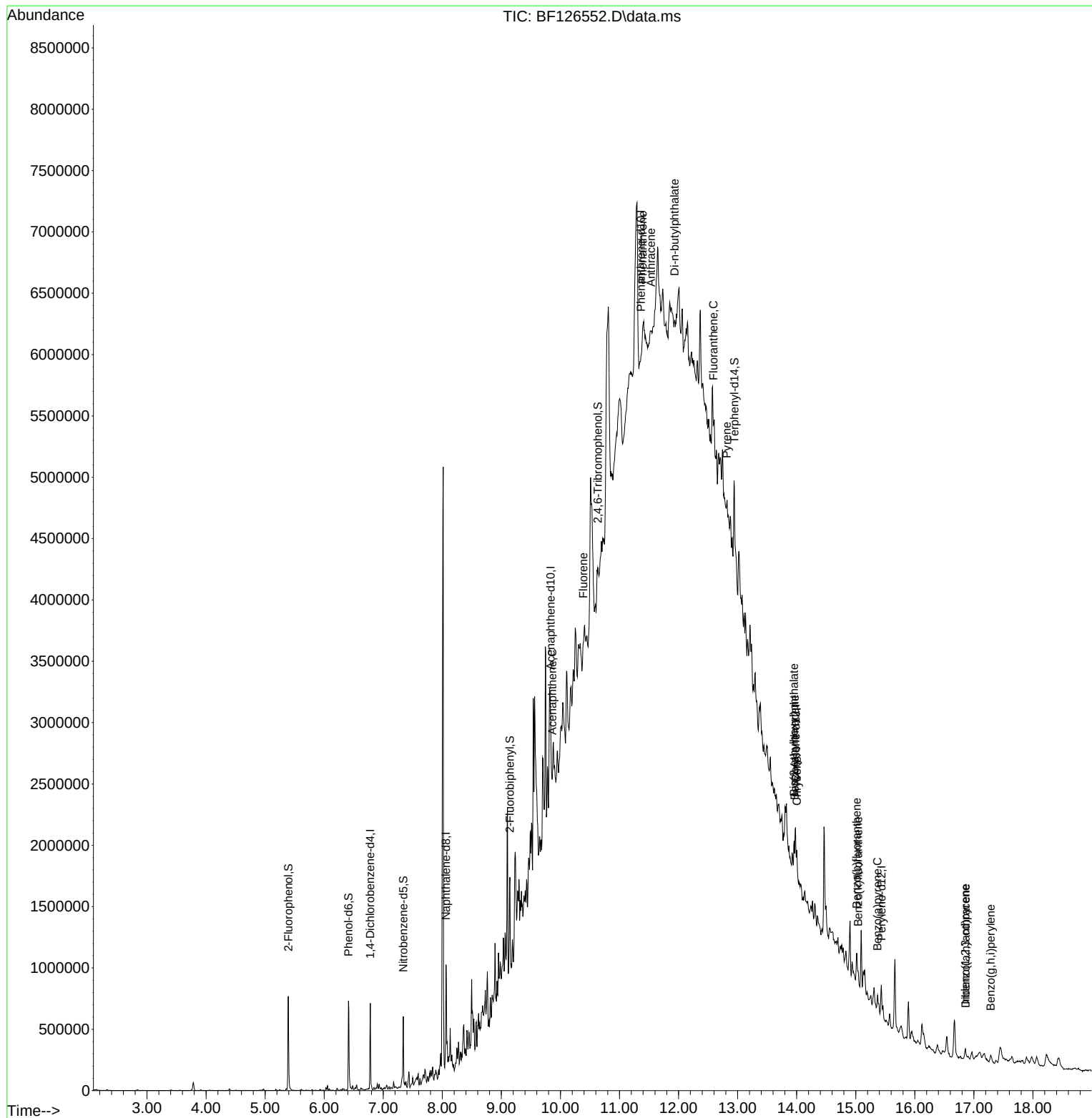
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
Data File : BF126552.D
Acq On : 7 Jan 2022 19:53
Operator : JU/CG
Sample : N1050-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

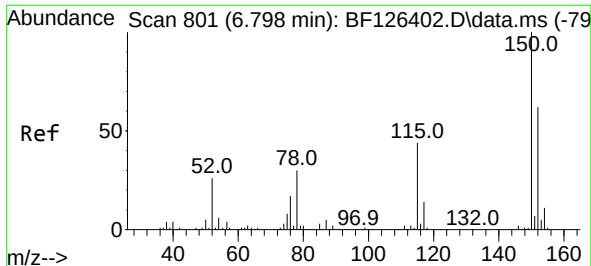
Instrument :
BNA_F
ClientSampleId :
VNJ-236

Quant Time: Jan 08 04:40:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 01:57:07 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

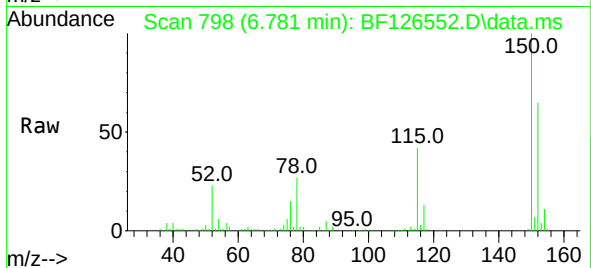
Reviewed By : Christian Giraldo 01/10/2022
Supervised By : Jagrut Upadhyay 01/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

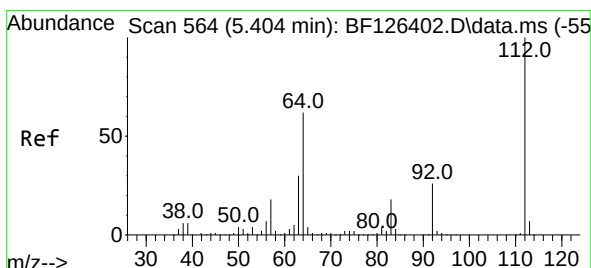
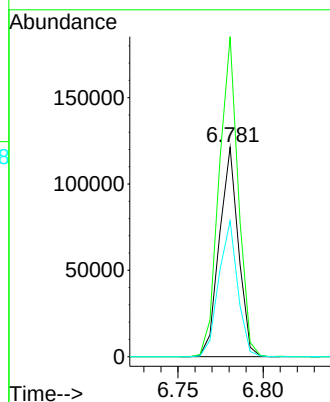
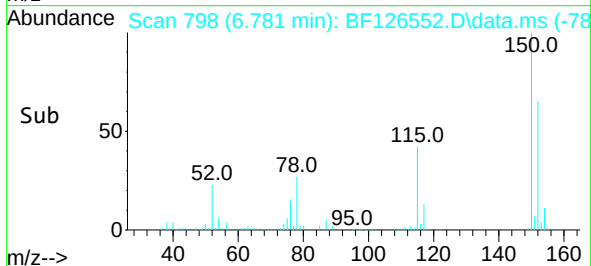
Instrument :
BNA_F
ClientSampleId :
VNJ-236



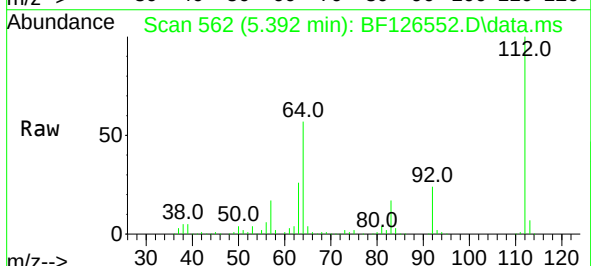
Tgt Ion:152 Resp: 94229
Ion Ratio Lower Upper
152 100
150 152.8 128.1 192.1
115 64.9 56.7 85.1

Manual Integrations
APPROVED

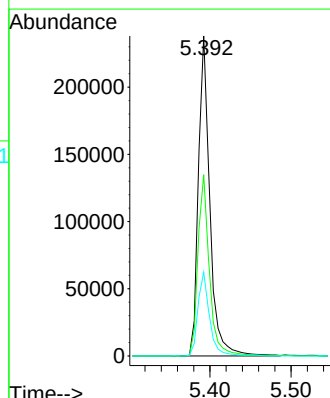
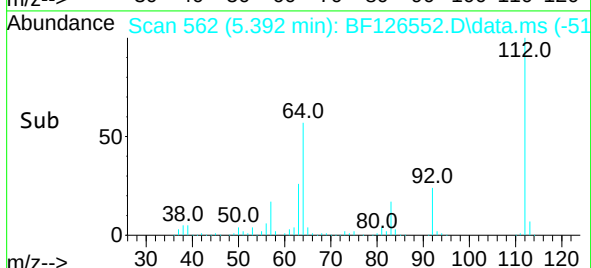
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

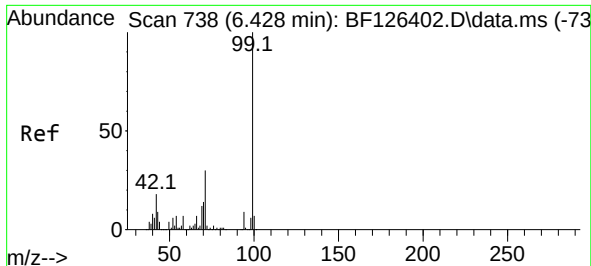


#5
2-Fluorophenol
Concen: 35.766 ng
RT: 5.392 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53



Tgt Ion:112 Resp: 234681
Ion Ratio Lower Upper
112 100
64 56.7 49.5 74.3
63 26.2 23.9 35.9





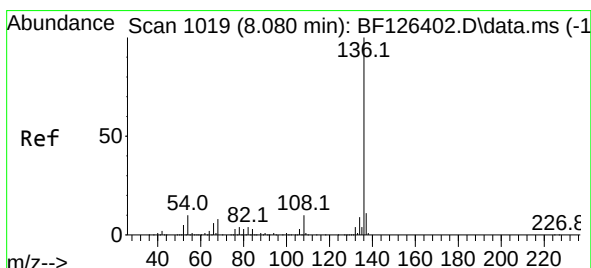
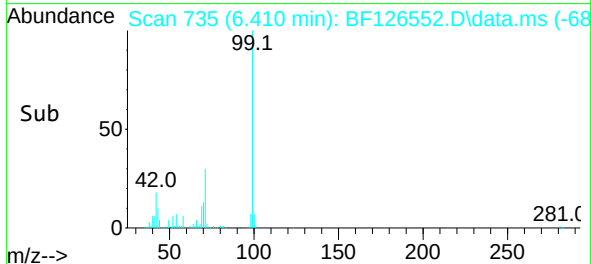
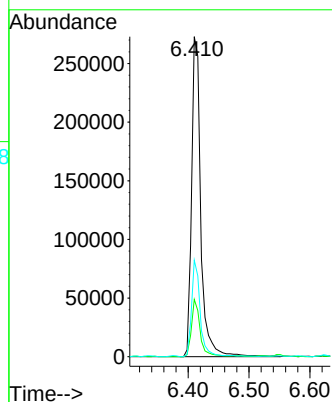
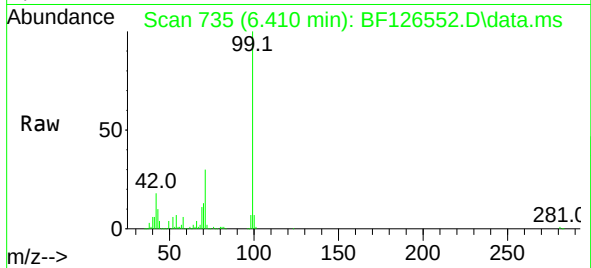
#7
Phenol-d6
Concen: 33.613 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

Instrument :
BNA_F
ClientSampleId :
VNJ-236

Tgt Ion: 99 Resp: 285670
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 30.2 24.3 36.5

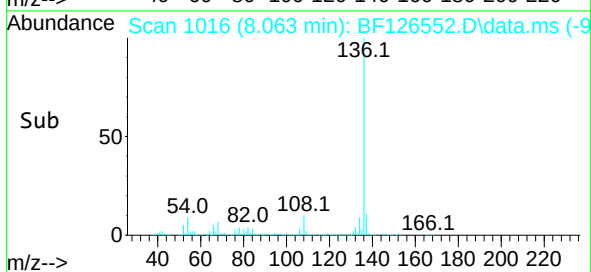
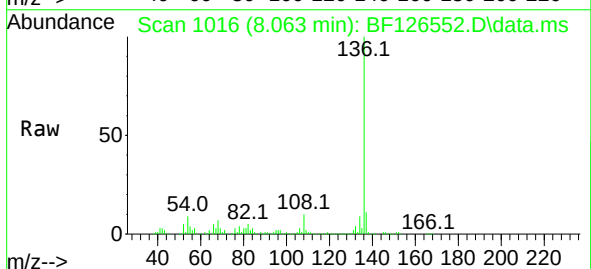
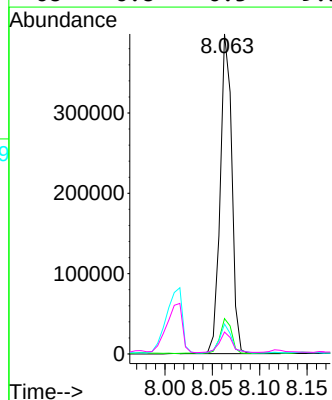
Manual Integrations
APPROVED

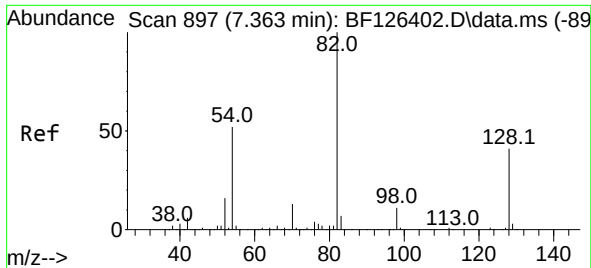
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

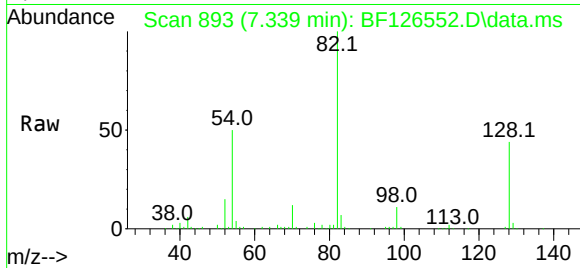
Tgt Ion:136 Resp: 340207
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.4 7.8 11.6
68 6.8 6.3 9.5





#23
Nitrobenzene-d5
Concen: 24.522 ng
RT: 7.339 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

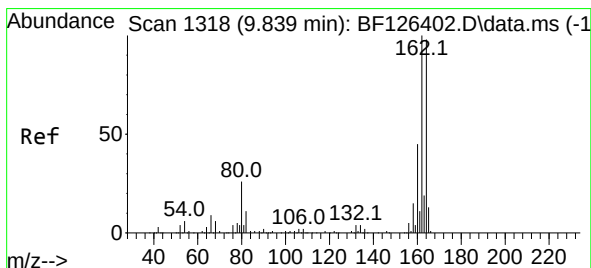
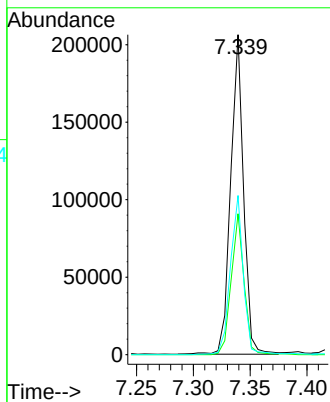
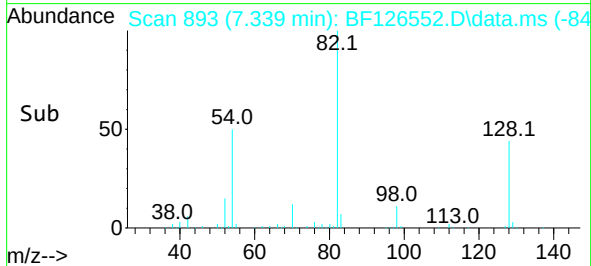
Instrument :
BNA_F
ClientSampleId :
VNJ-236



Tgt Ion: 82 Resp: 162479
Ion Ratio Lower Upper
82 100
128 44.0 32.7 49.1
54 49.8 41.7 62.5

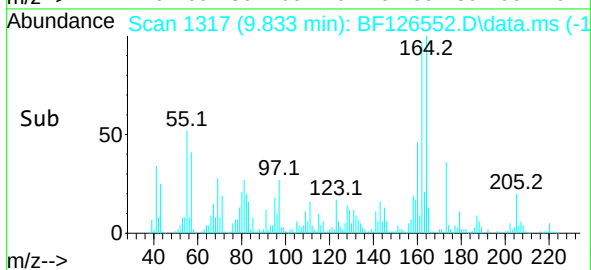
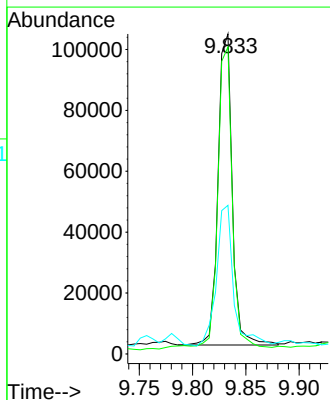
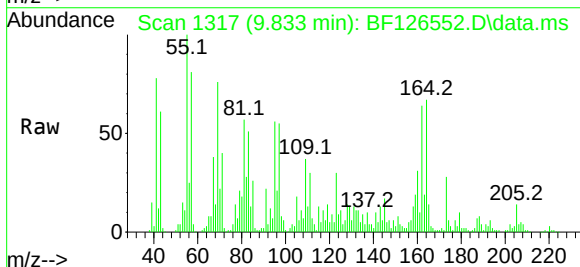
Manual Integrations
APPROVED

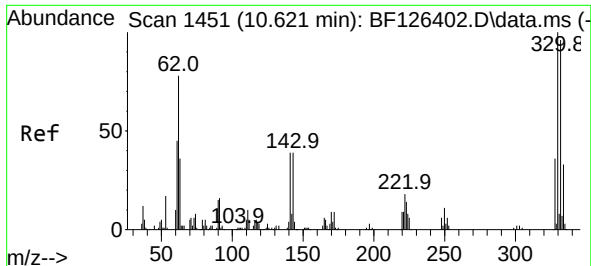
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

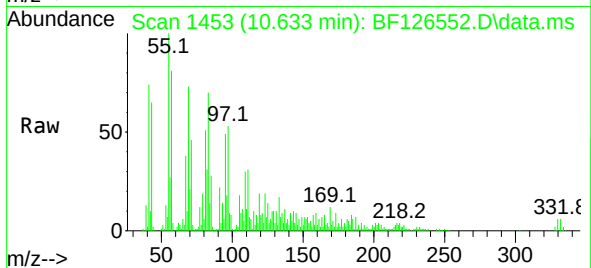
Tgt Ion:164 Resp: 95094
Ion Ratio Lower Upper
164 100
162 96.0 81.4 122.0
160 46.5 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 35.307 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.018 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

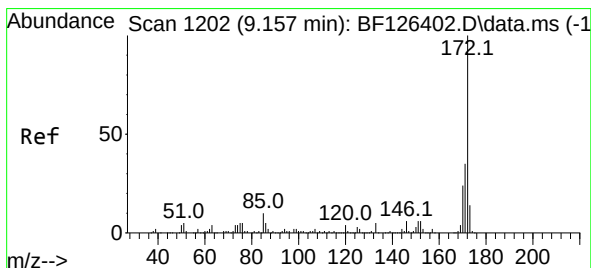
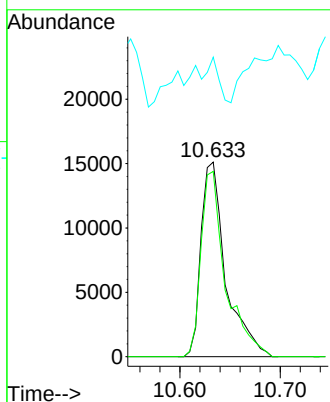
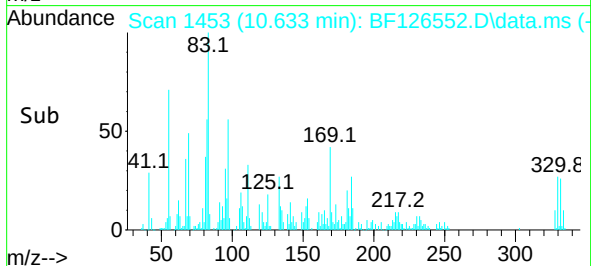
Instrument :
BNA_F
ClientSampleId :
VNJ-236



Tgt Ion: 330 Resp: 25945
Ion Ratio Lower Upper
330 100
332 94.3 76.0 114.0
141 0.0 30.1 45.1

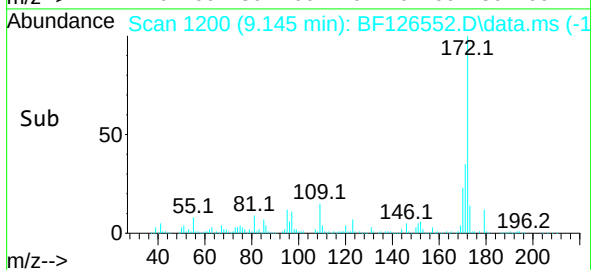
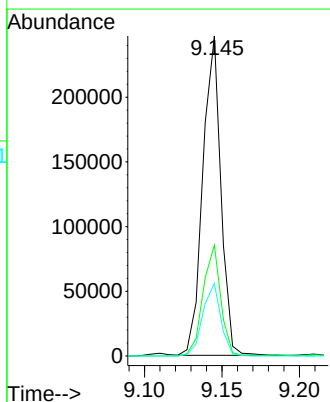
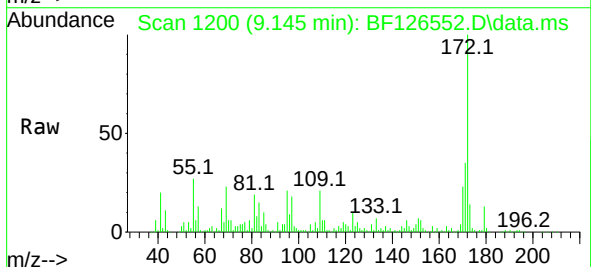
Manual Integrations
APPROVED

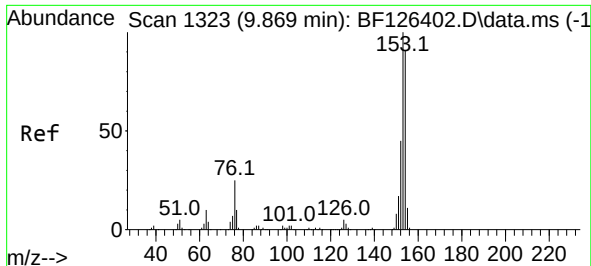
Reviewed By : Christian Giraldo 01/10/2022
Supervised By : Jagrut Upadhyay 01/10/2022



#45
2-Fluorobiphenyl
Concen: 37.027 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

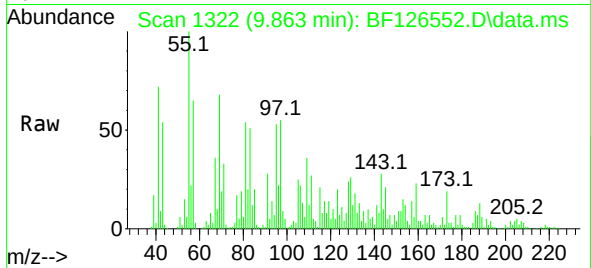
Tgt Ion: 172 Resp: 200090
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.6 19.0 28.6





#52
Acenaphthene
Concen: 2.119 ng
RT: 9.863 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

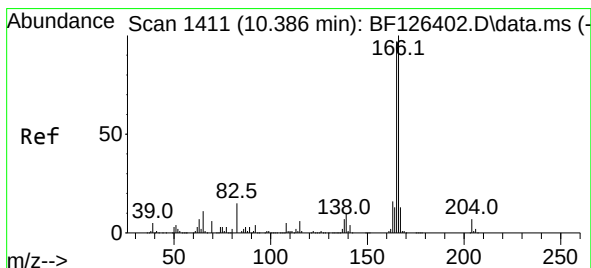
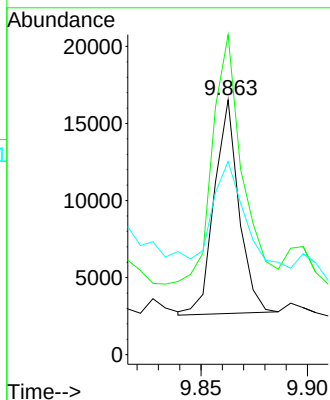
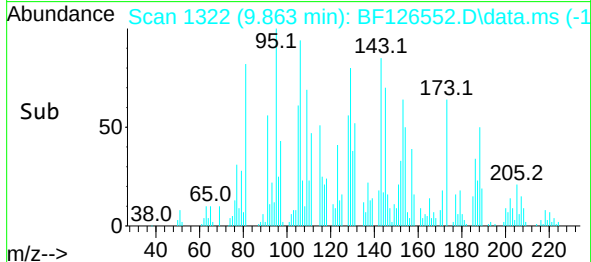
Instrument :
BNA_F
ClientSampleId :
VNJ-236



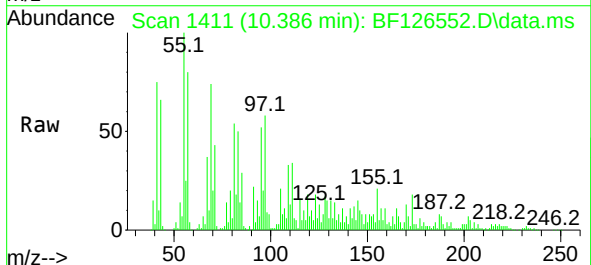
Tgt Ion:154 Resp: 1113
Ion Ratio Lower Upper
154 100
153 125.5 87.8 131.6
152 75.8 39.4 59.2

Manual Integrations
APPROVED

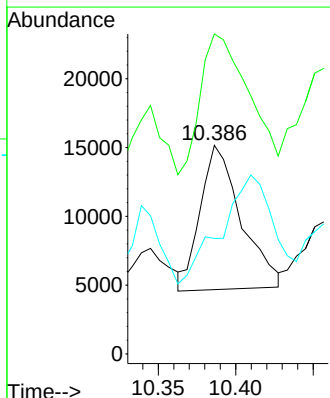
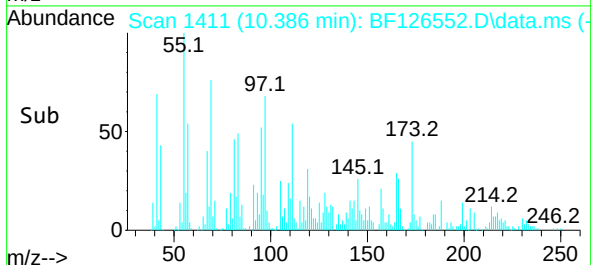
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

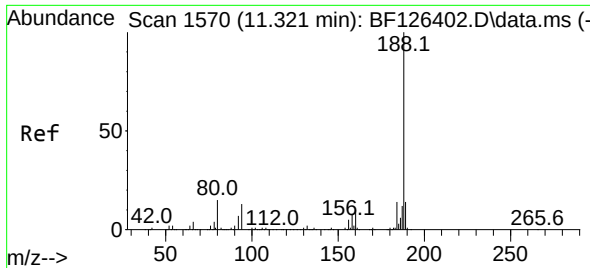


#58
Fluorene
Concen: 3.832 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.012 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53



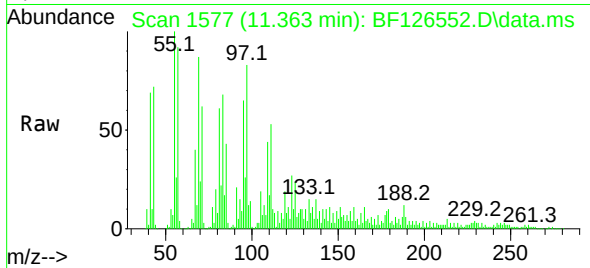
Tgt Ion:166 Resp: 19238
Ion Ratio Lower Upper
166 100
165 153.4 77.7 116.5#
167 55.4 10.7 16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1582
Delta R.T. 0.053 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

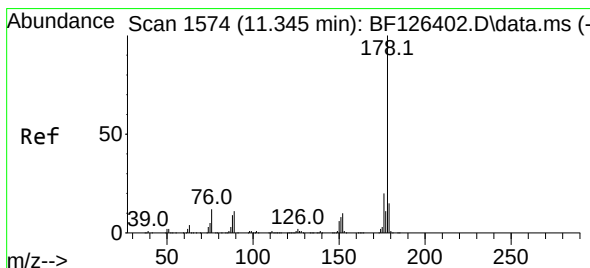
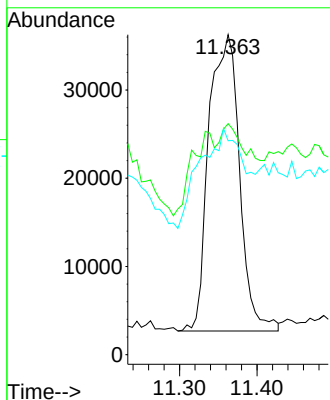
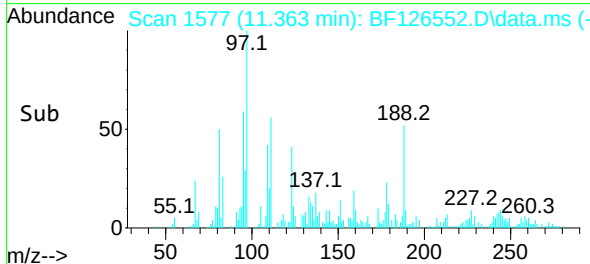
Instrument :
BNA_F
ClientSampleId :
VNJ-236



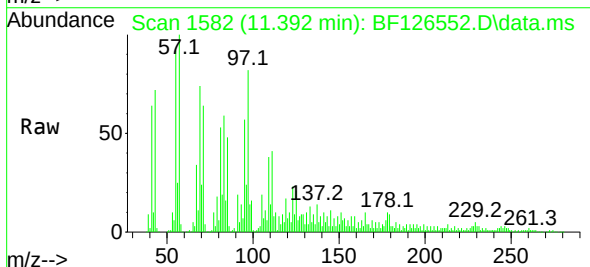
Tgt Ion:188 Resp: 92300
Ion Ratio Lower Upper
188 100
94 72.2 10.1 15.1#
80 66.9 11.8 17.6#

Manual Integrations
APPROVED

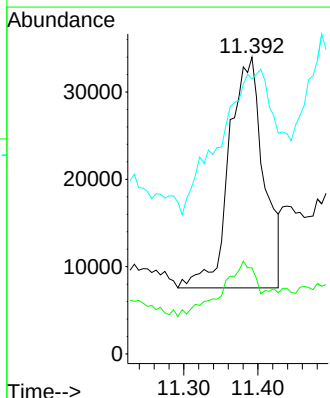
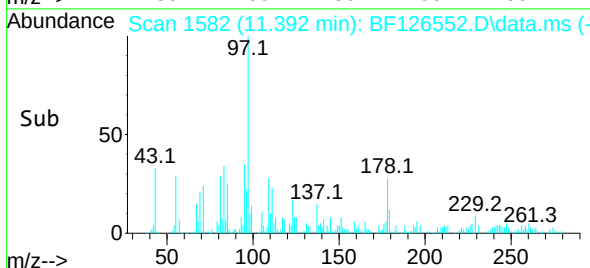
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

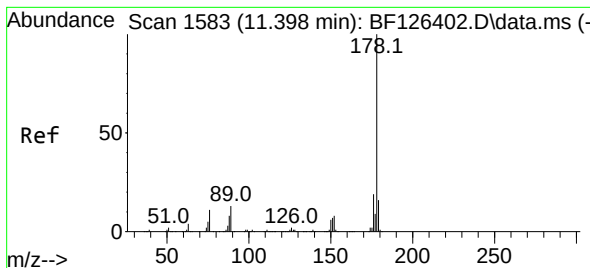


#71
Phenanthrene
Concen: 18.210 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.059 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53



Tgt Ion:178 Resp: 85932
Ion Ratio Lower Upper
178 100
176 29.0 15.7 23.5#
179 92.7 12.3 18.5#





#72

Anthracene

Concen: 20.016 ng m

RT: 11.533 min Scan# 1

Delta R.T. 0.147 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

Instrument :

BNA_F

ClientSampleId :

VNJ-236

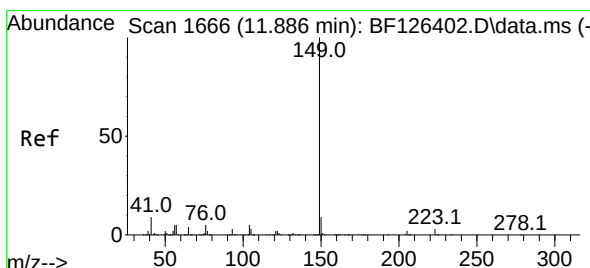
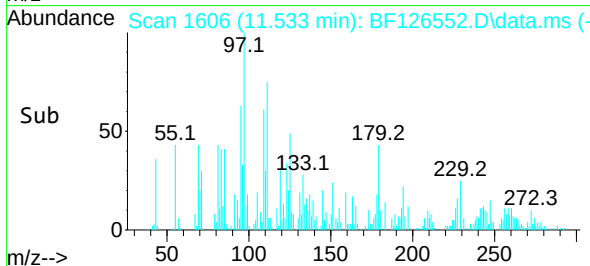
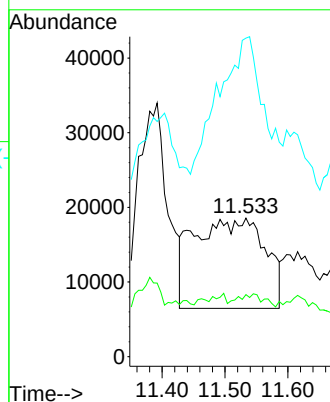
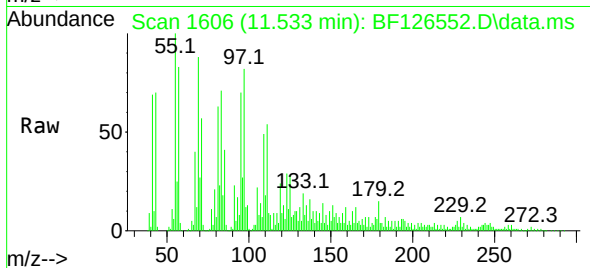
Tgt Ion:178 Resp: 94509
 Ion Ratio Lower Upper
 178 100
 176 44.9 15.0 22.6#
 179 230.0 12.5 18.7#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#74

Di-n-butylphthalate

Concen: 9.057 ng

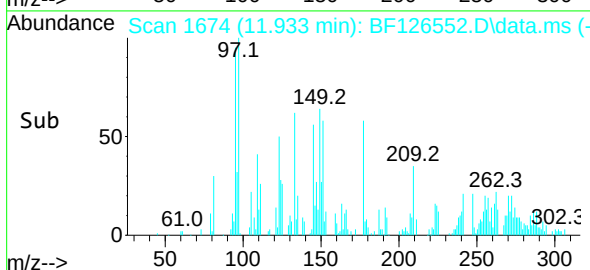
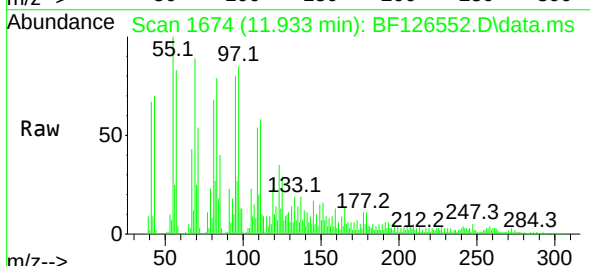
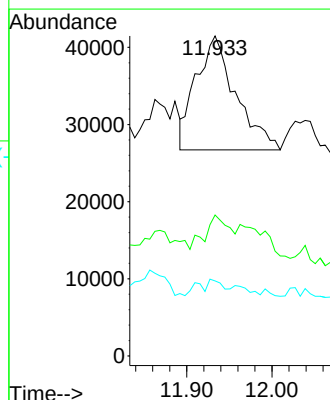
RT: 11.933 min Scan# 1674

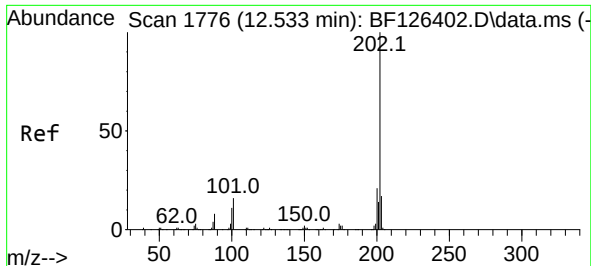
Delta R.T. 0.059 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

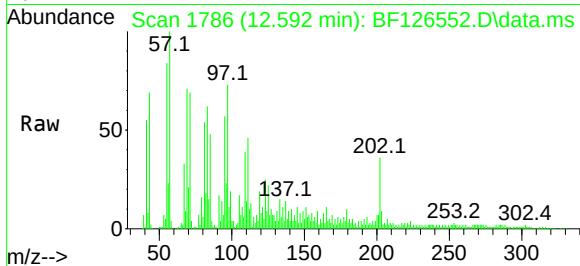
Tgt Ion:149 Resp: 47673
 Ion Ratio Lower Upper
 149 100
 150 44.1 7.2 10.8#
 104 23.4 4.2 6.2#





#75
Fluoranthene
Concen: 29.575 ng
RT: 12.592 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

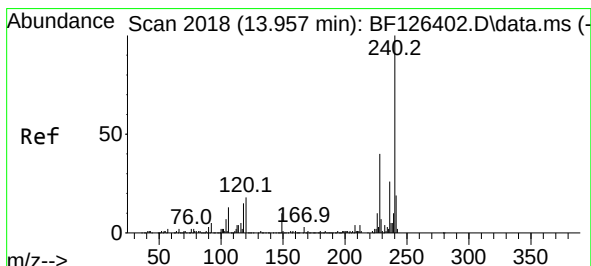
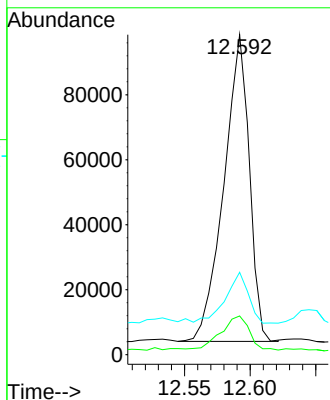
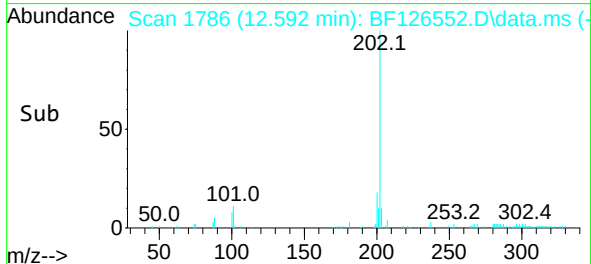
Instrument :
BNA_F
ClientSampleId :
VNJ-236



Tgt Ion:202 Resp: 12737
Ion Ratio Lower Upper
202 100
101 12.1 0.0 35.7
203 25.7 0.0 37.1

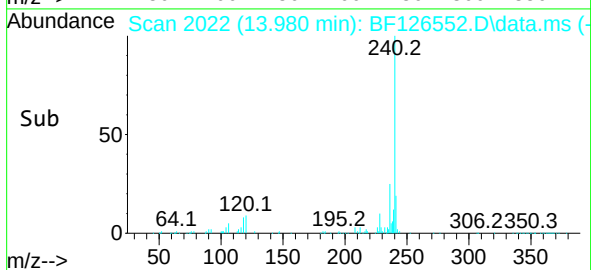
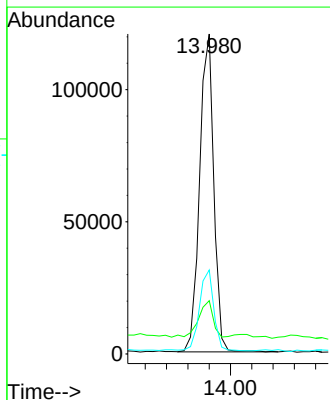
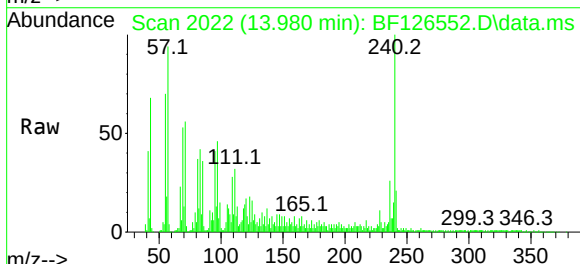
Manual Integrations
APPROVED

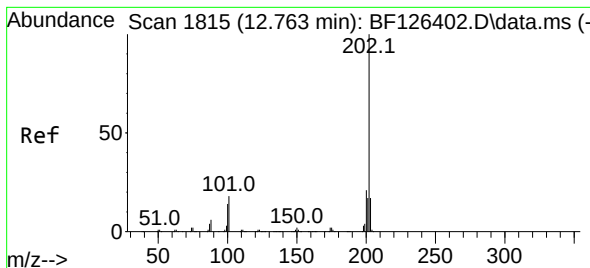
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.029 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

Tgt Ion:240 Resp: 111668
Ion Ratio Lower Upper
240 100
120 16.7 14.4 21.6
236 26.3 20.5 30.7





#78

Pyrene

Concen: 11.658 ng

RT: 12.815 min Scan# 1815

Delta R.T. 0.065 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

Instrument :

BNA_F

ClientSampleId :

VNJ-236

Tgt Ion:202 Resp: 110018

Ion Ratio Lower Upper

202 100

200 20.3 16.6 24.8

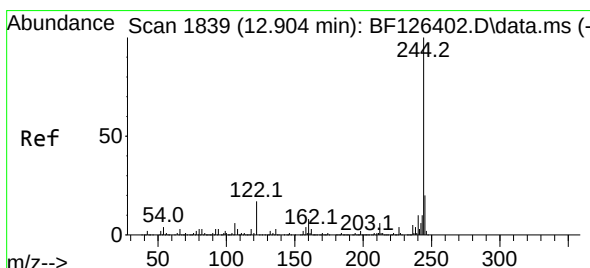
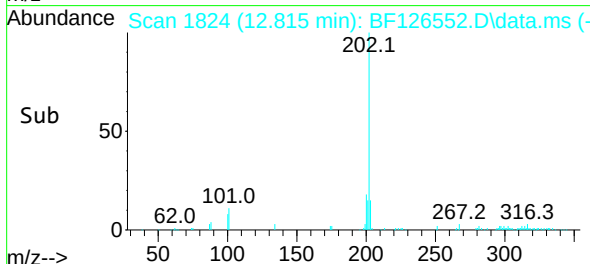
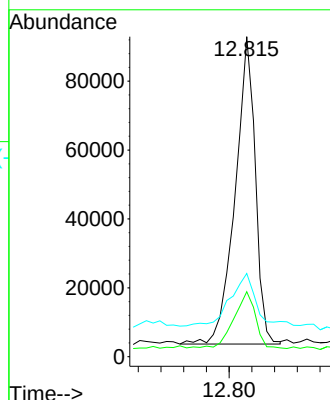
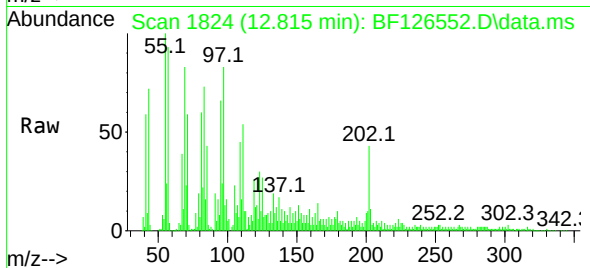
203 26.0 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#79

Terphenyl-d14

Concen: 16.486 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.047 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

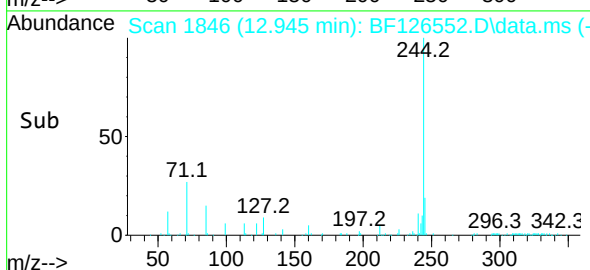
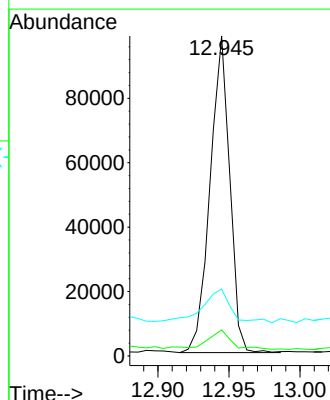
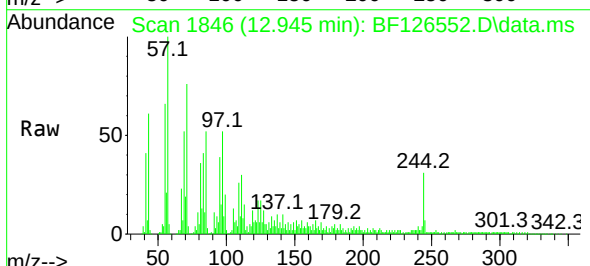
Tgt Ion:244 Resp: 94754

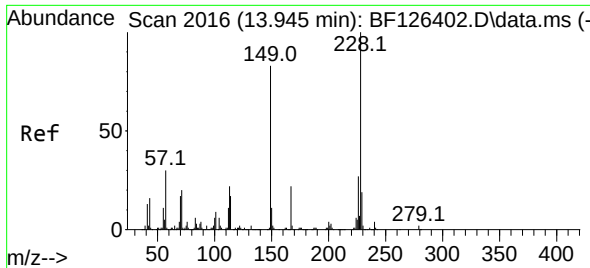
Ion Ratio Lower Upper

244 100

212 8.2 5.0 7.4#

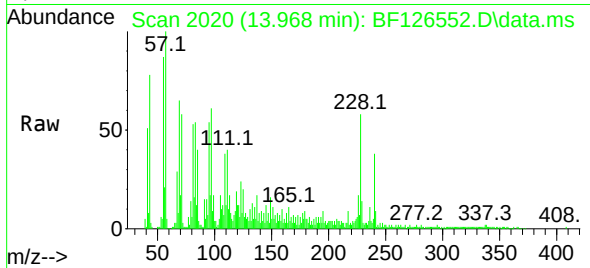
122 20.9 13.3 19.9#





#81
Benzo(a)anthracene
Concen: 8.501 ng m
RT: 13.968 min Scan# 2016
Delta R.T. 0.029 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

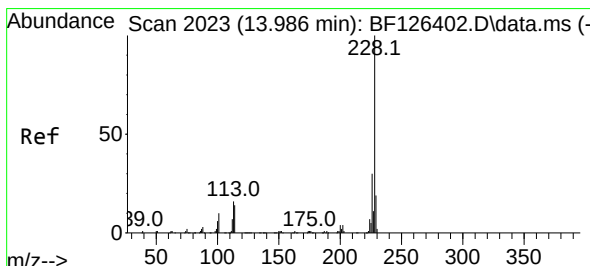
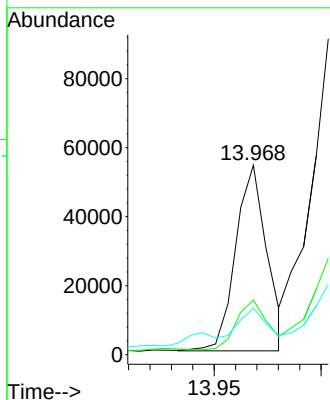
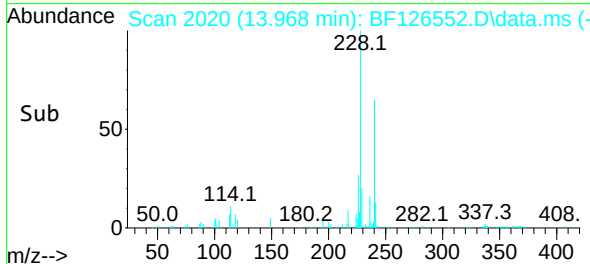
Instrument :
BNA_F
ClientSampleId :
VNJ-236



Tgt Ion:228 Resp: 5459
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 24.6 15.4 23.2

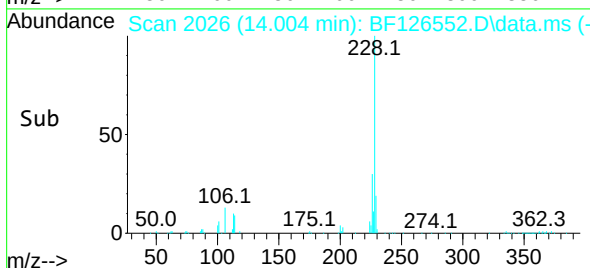
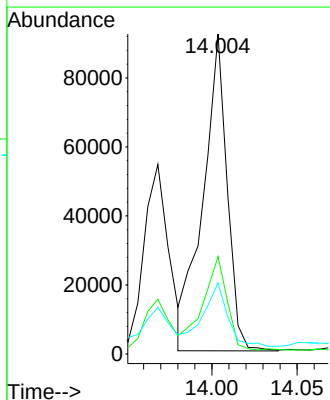
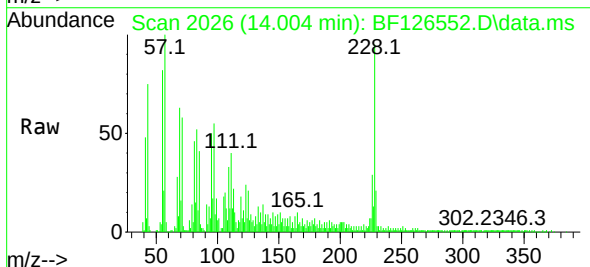
Manual Integrations
APPROVED

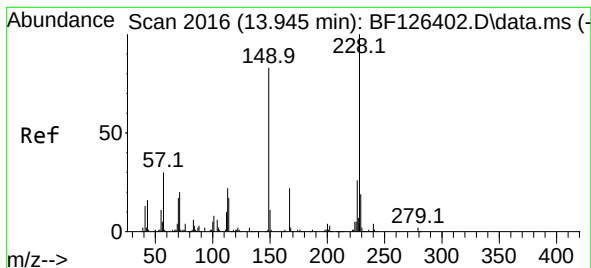
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#83
Chrysene
Concen: 13.732 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.029 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

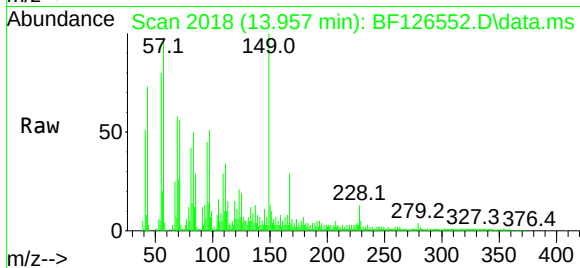
Tgt Ion:228 Resp: 90454
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 22.2 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 20.480 ng
RT: 13.957 min Scan# 2016
Delta R.T. 0.023 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

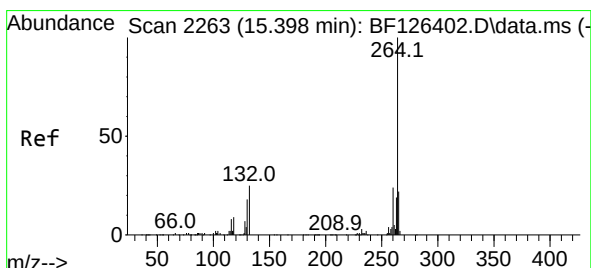
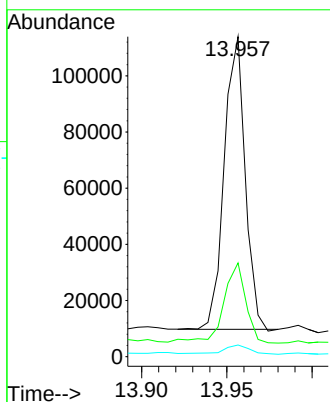
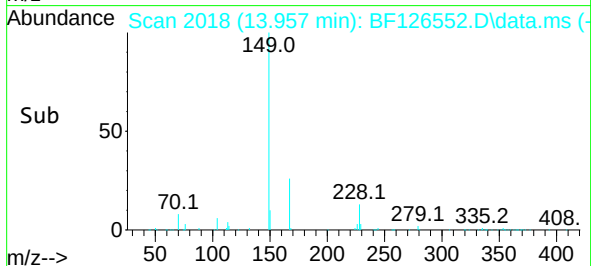
Instrument :
BNA_F
ClientSampleId :
VNJ-236



Tgt Ion:149 Resp: 88752
Ion Ratio Lower Upper
149 100
167 29.3 21.4 32.2
279 3.6 2.4 3.6

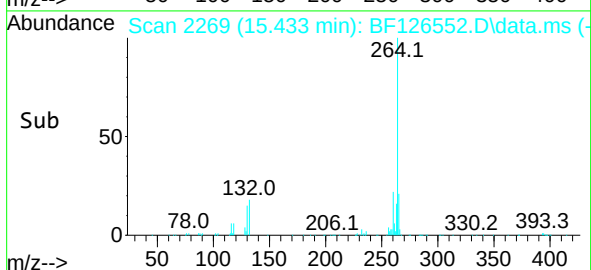
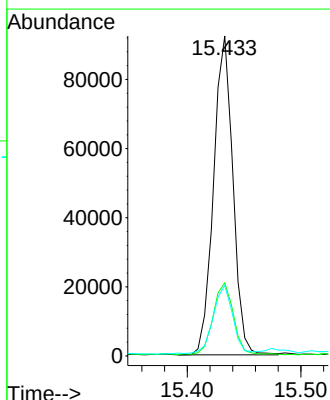
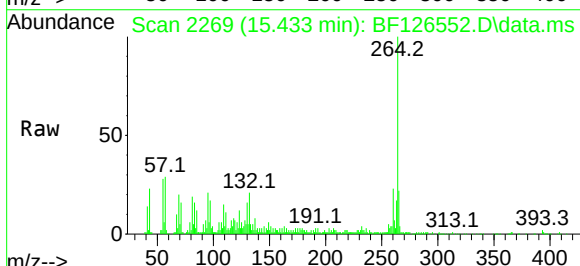
Manual Integrations
APPROVED

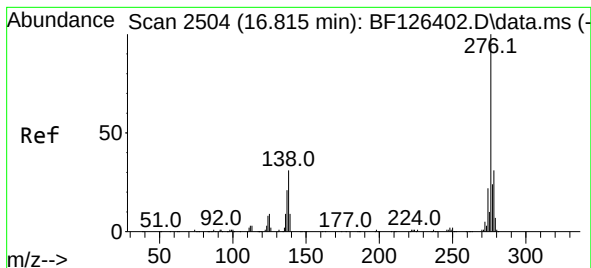
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.047 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

Tgt Ion:264 Resp: 109456
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.543 ng m

RT: 16.856 min Scan# 2198

Delta R.T. 0.047 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

Instrument :

BNA_F

ClientSampleId :

VNJ-236

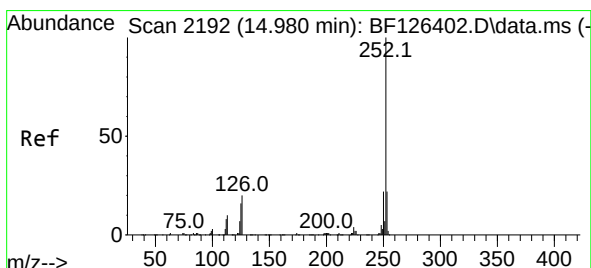
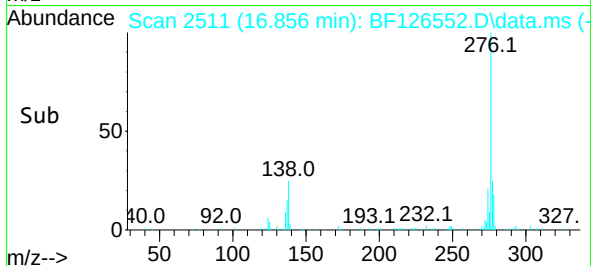
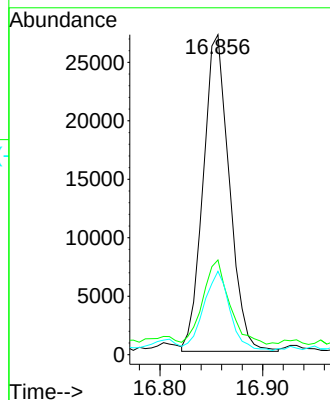
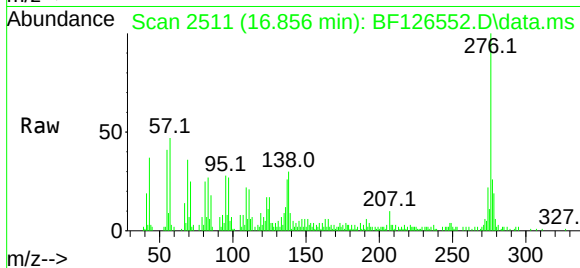
Tgt Ion:276 Resp: 47932
 Ion Ratio Lower Upper
 276 100
 138 2.5 29.2 43.8
 277 1.4 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#88

Benzo(b)fluoranthene

Concen: 19.393 ng m

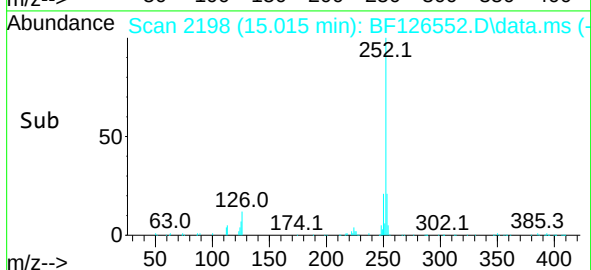
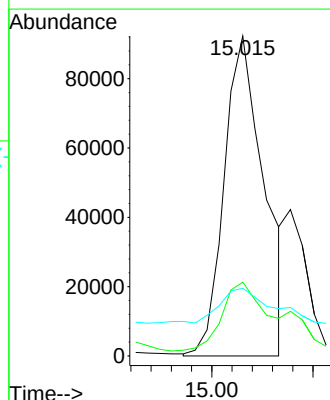
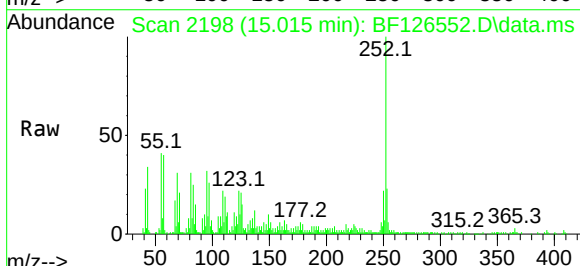
RT: 15.015 min Scan# 2198

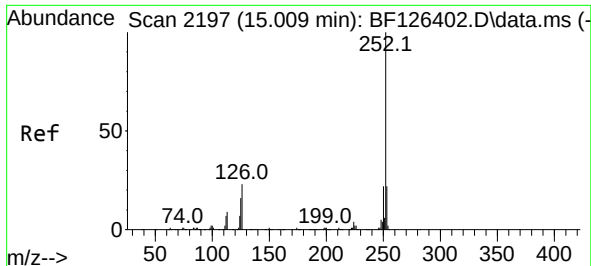
Delta R.T. 0.041 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

Tgt Ion:252 Resp: 126448
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.8
 125 21.1 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 4.961 ng m

RT: 15.039 min Scan# 2197

Delta R.T. 0.035 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

Instrument :

BNA_F

ClientSampleId :

VNJ-236

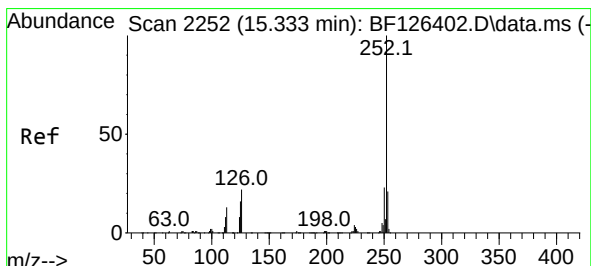
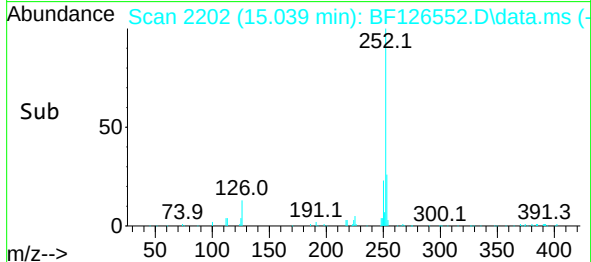
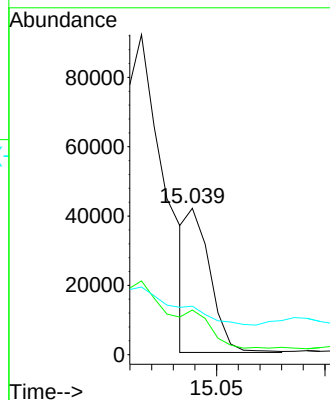
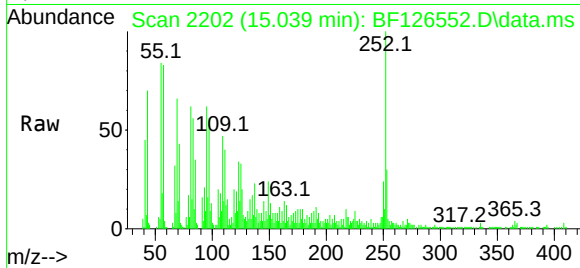
Tgt Ion:252	Resp:	3133
Ion Ratio	Lower	Upper
252	100	
253	30.5	17.5 26.3
125	33.1	11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#90

Benzo(a)pyrene

Concen: 11.225 ng

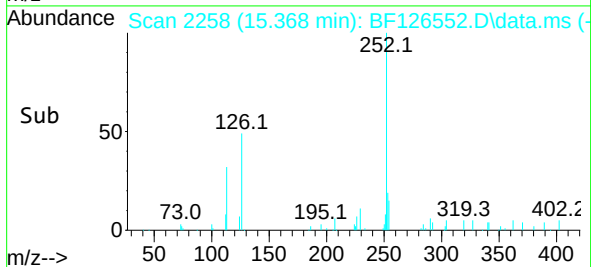
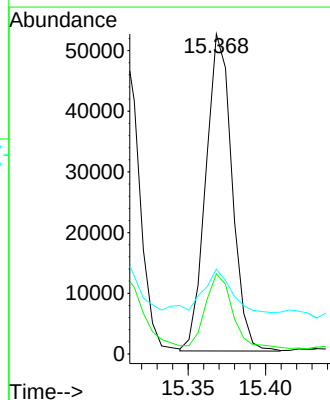
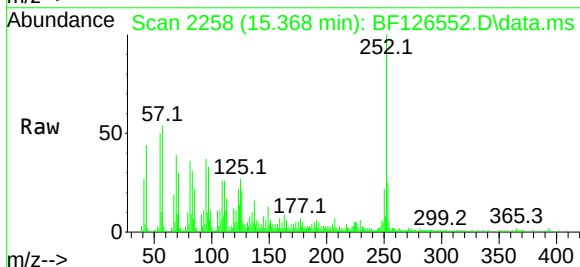
RT: 15.368 min Scan# 2258

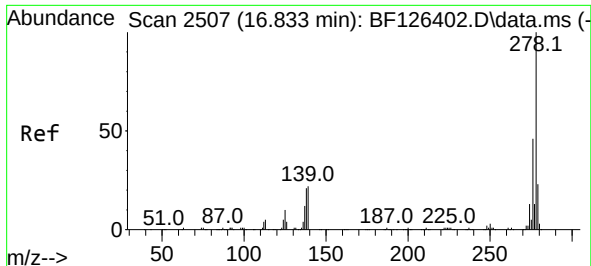
Delta R.T. 0.041 min

Lab File: BF126552.D

Acq: 7 Jan 2022 19:53

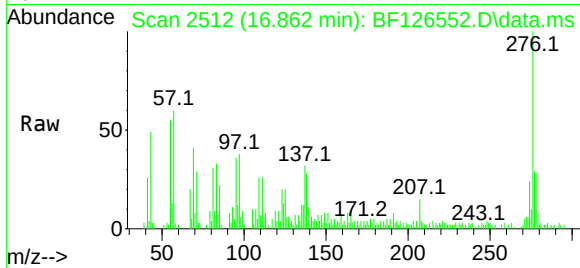
Tgt Ion:252	Resp:	61369
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.1 25.7
125	26.6	13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 2.133 ng
RT: 16.862 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53

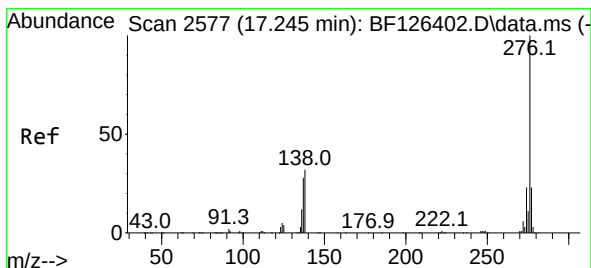
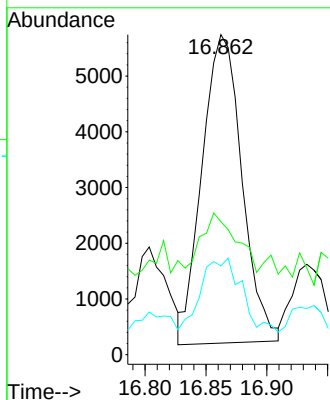
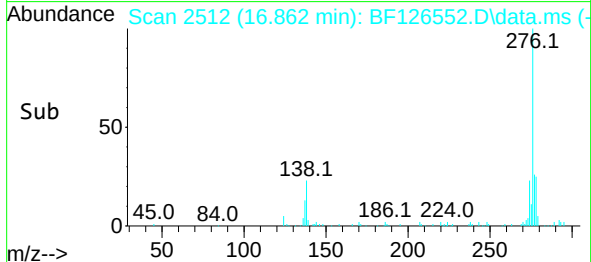
Instrument :
BNA_F
ClientSampleId :
VNJ-236



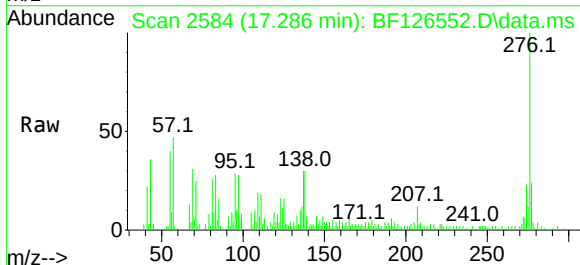
Tgt Ion:278 Resp: 12609
Ion Ratio Lower Upper
278 100
139 41.6 18.0 27.0
279 27.8 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#92
Benzo(g,h,i)perylene
Concen: 7.802 ng
RT: 17.286 min Scan# 2584
Delta R.T. 0.053 min
Lab File: BF126552.D
Acq: 7 Jan 2022 19:53



Tgt Ion:276 Resp: 49110
Ion Ratio Lower Upper
276 100
277 24.3 18.5 27.7
138 29.7 25.9 38.9

