

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127811.D
 Acq On : 15 Apr 2022 18:54
 Operator : CG\JU
 Sample : N2392-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/18/2022
 Supervised By : Jagrut Upadhyay 04/18/2022

Quant Time: Apr 18 01:26:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	153815	20.000	ng	-0.02
21) Naphthalene-d8	8.234	136	572914	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	310688	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	479660	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	320363	20.000	ng	-0.02
86) Perylene-d12	15.645	264	356717	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	694363	73.353	ng	-0.01
7) Phenol-d6	6.569	99	928535	74.981	ng	-0.02
23) Nitrobenzene-d5	7.510	82	672261	52.312	ng	-0.02
42) 2,4,6-Tribromophenol	10.780	330	162758	49.228	ng	-0.02
45) 2-Fluorobiphenyl	9.310	172	1238372	56.387	ng	-0.01
79) Terphenyl-d14	13.069	244	1009429	52.009	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	10.022	154	77798	4.299	ng	99
55) Dibenzofuran	10.192	168	143360	5.429	ng	100
58) Fluorene	10.539	166	183119	9.386	ng	99
71) Phenanthrene	11.510	178	1548110	60.916	ng	99
72) Anthracene	11.557	178	403565	16.053	ng	99
73) Carbazole	11.710	167	73491	3.120	ng	98
75) Fluoranthene	12.704	202	1717038	61.914	ng	99
78) Pyrene	12.933	202	1391277	51.429	ng	100
81) Benzo(a)anthracene	14.121	228	743298	34.739	ng	97
83) Chrysene	14.157	228	652310	31.760	ng	97
87) Indeno(1,2,3-cd)pyrene	17.192	276	346928	15.566	ng	# 95
88) Benzo(b)fluoranthene	15.198	252	832464m	36.277	ng	
89) Benzo(k)fluoranthene	15.221	252	263651m	11.584	ng	
90) Benzo(a)pyrene	15.580	252	603076	32.334	ng	96
91) Dibenzo(a,h)anthracene	17.204	278	85260m	4.721	ng	
92) Benzo(g,h,i)perylene	17.662	276	297183	16.053	ng	98

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

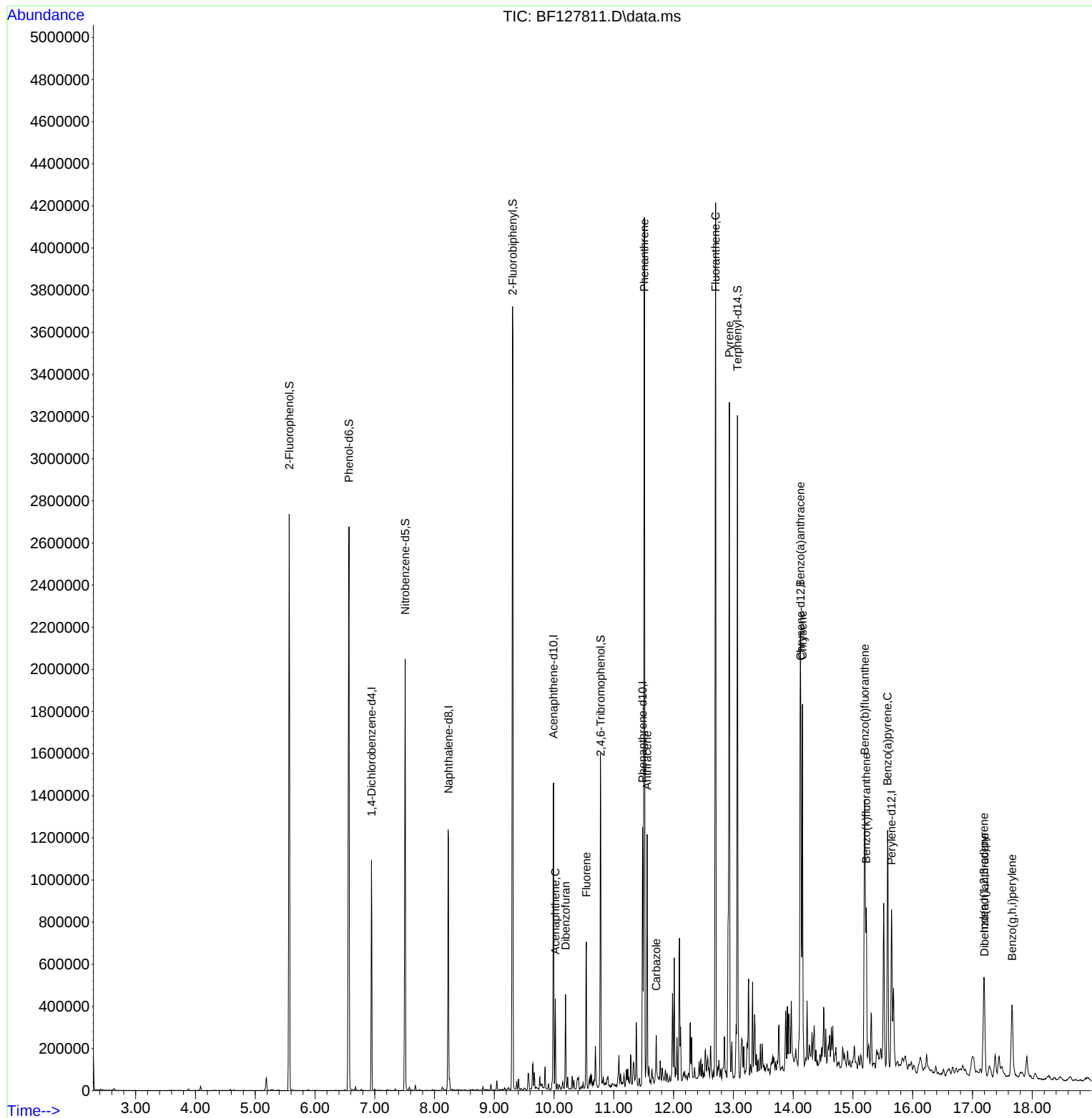
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
Data File : BF127811.D
Acq On : 15 Apr 2022 18:54
Operator : CG\JU
Sample : N2392-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

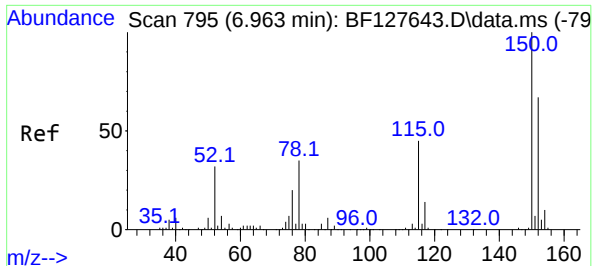
Instrument :
BNA_F
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VNJ-212

Quant Time: Apr 18 01:26:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 2022
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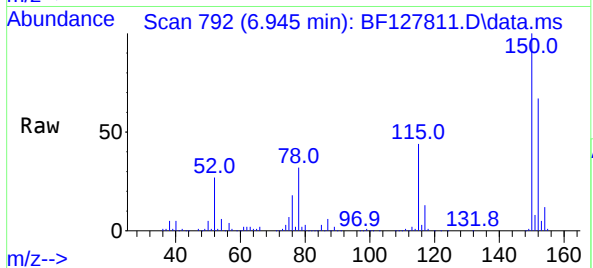
Reviewed By : Christian Giraldo 04/18/2022
Supervised By : Jagrut Upadhyay 04/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

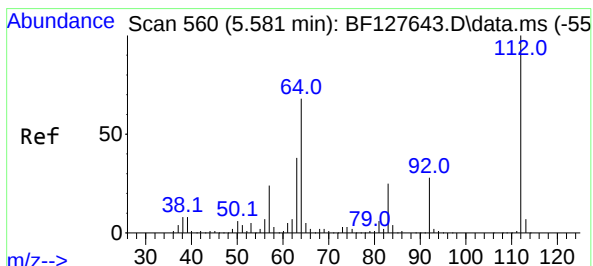
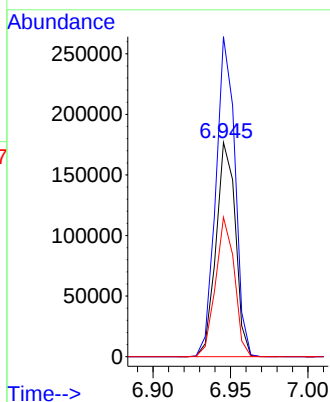
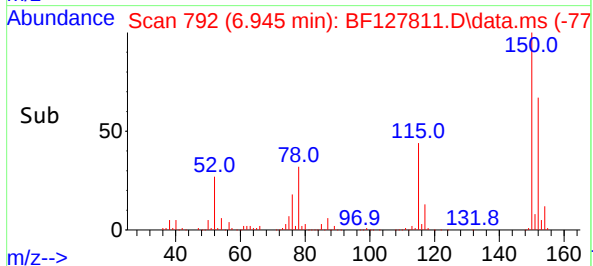
Instrument :
BNA_F
ClientSampleId :
VNJ-212



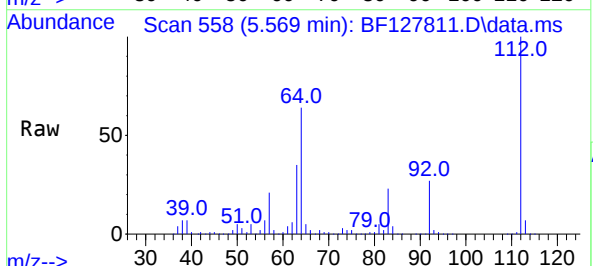
Tgt Ion:152 Resp: 153815
Ion Ratio Lower Upper
152 100
150 149.4 117.2 175.8
115 65.0 49.8 74.6

Manual Integrations
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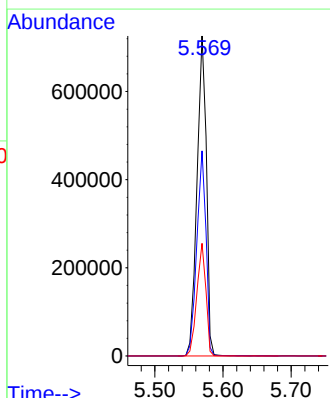
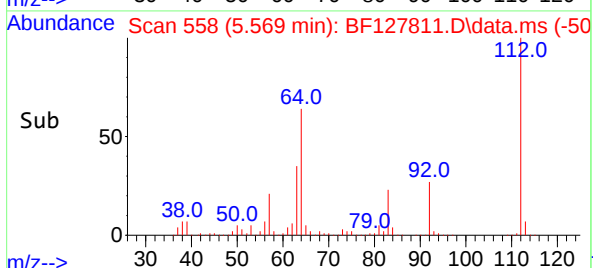
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022

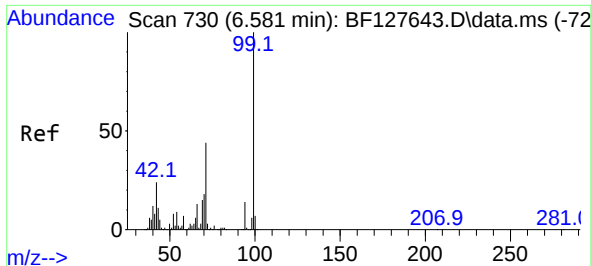


#5
2-Fluorophenol
Concen: 73.353 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54



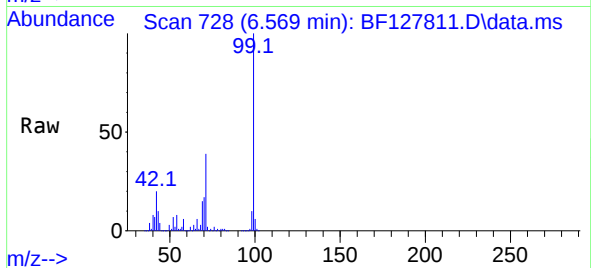
Tgt Ion:112 Resp: 694363
Ion Ratio Lower Upper
112 100
64 64.1 58.4 87.6
63 35.2 30.1 45.1





#7
Phenol-d6
Concen: 74.981 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

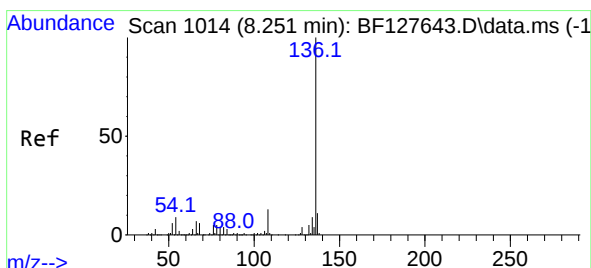
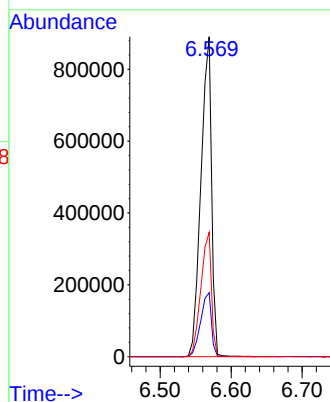
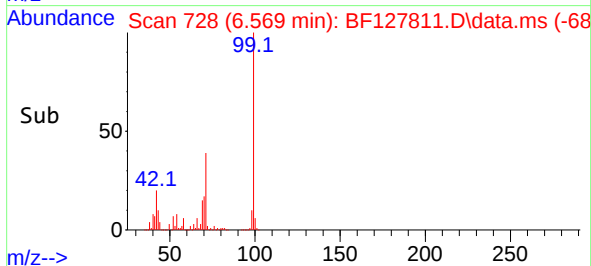
Instrument :
BNA_F
ClientSampleId :
VNJ-212



Tgt Ion: 99 Resp: 92853
Ion Ratio Lower Upper
99 100
42 20.0 17.8 26.6
71 38.9 29.6 44.4

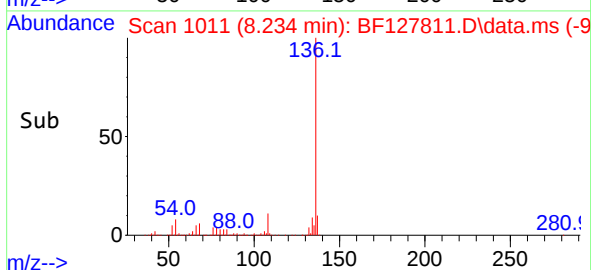
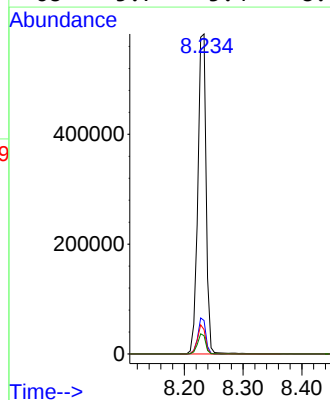
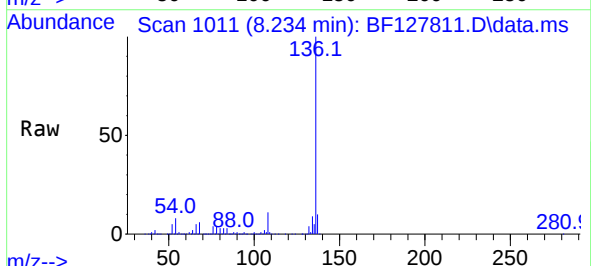
Manual Integrations
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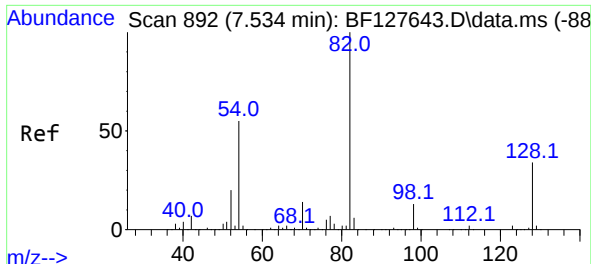
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:136 Resp: 572914
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.6 9.2 13.8#
68 5.7 5.4 8.0





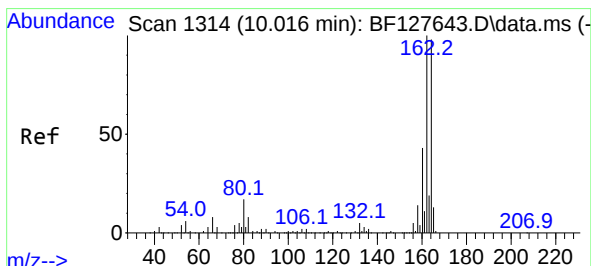
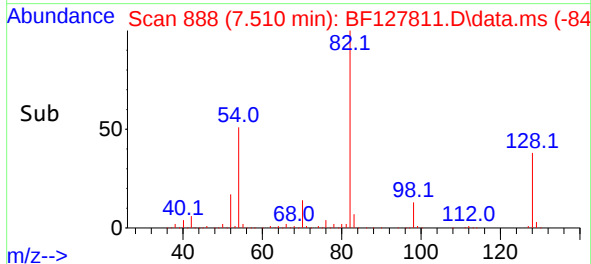
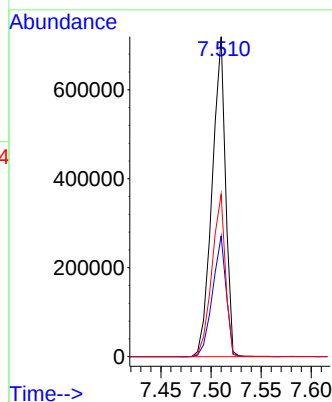
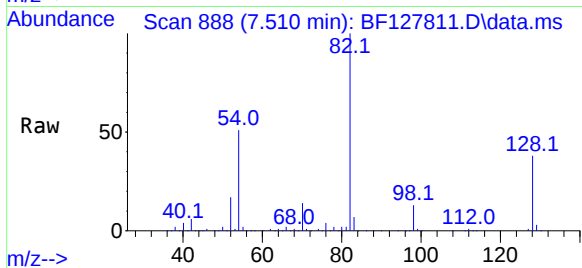
#23
Nitrobenzene-d5
Concen: 52.312 ng
RT: 7.510 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion: 82 Resp: 67226
Ion Ratio Lower Upper
82 100
128 37.7 30.6 45.8
54 50.8 48.2 72.2

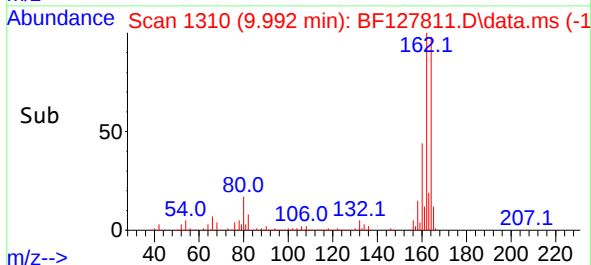
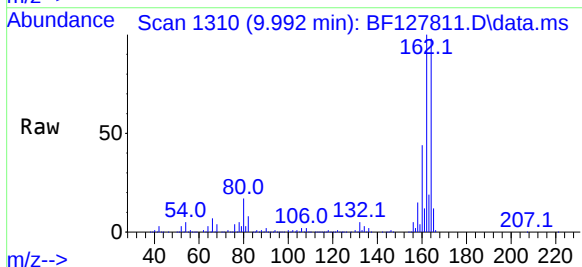
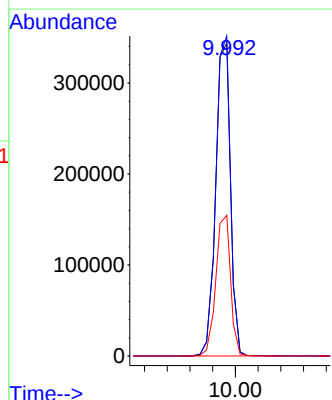
Manual Integrations
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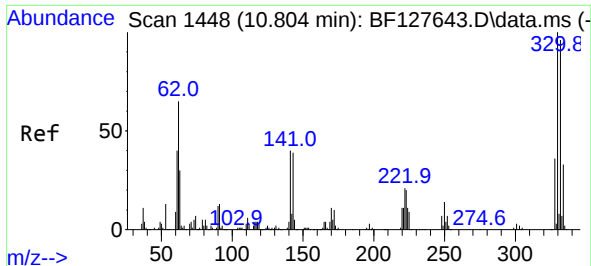
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:164 Resp: 310688
Ion Ratio Lower Upper
164 100
162 102.3 81.2 121.8
160 45.0 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 49.228 ng
RT: 10.780 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

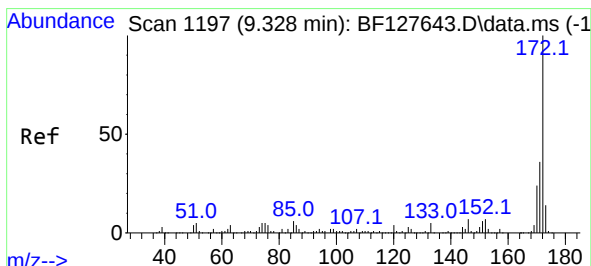
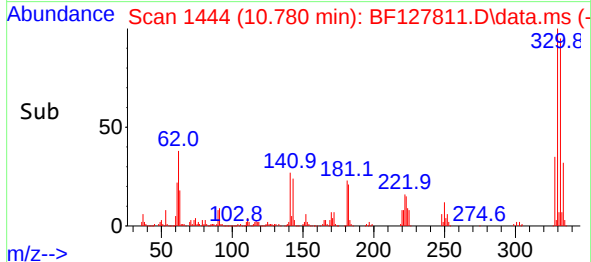
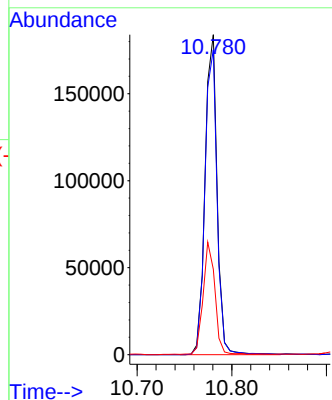
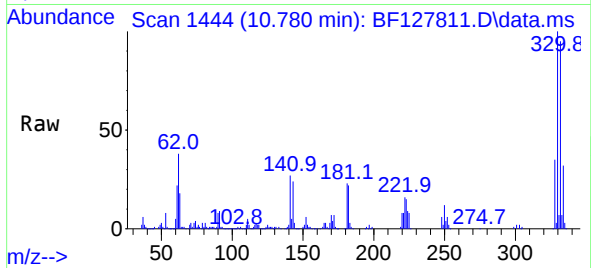
VNJ-212

Tgt Ion:330 Resp: 162758
Ion Ratio Lower Upper
330 100
332 96.5 79.1 118.7
141 35.1 26.2 39.4

Manual Integrations

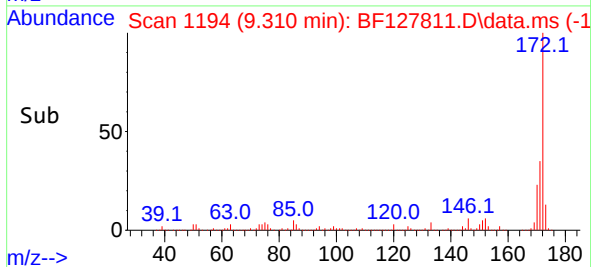
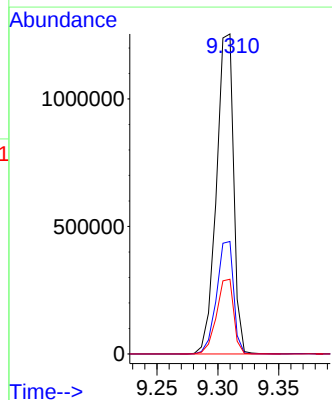
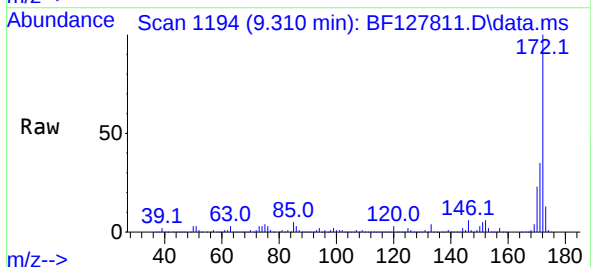
APPROVED

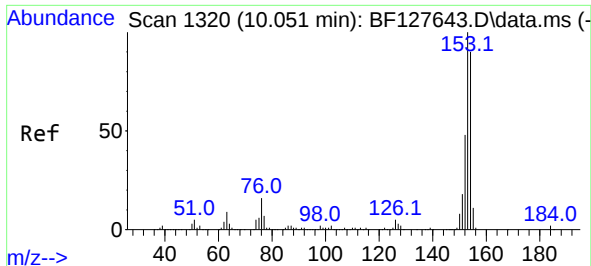
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022



#45
2-Fluorobiphenyl
Concen: 56.387 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

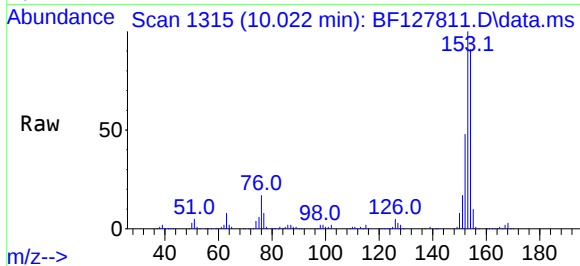
Tgt Ion:172 Resp: 1238372
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.4 18.6 27.8





#52
Acenaphthene
Concen: 4.299 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

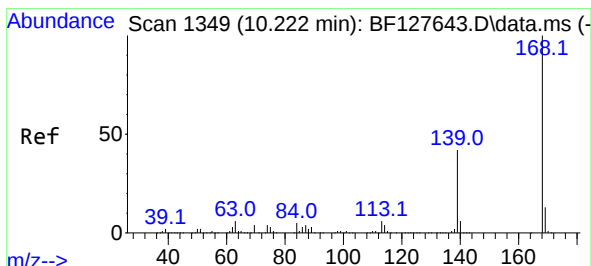
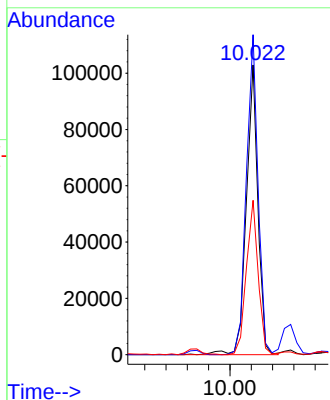
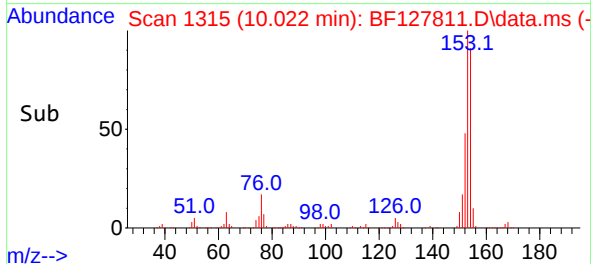
Instrument :
BNA_F
ClientSampleId :
VNJ-212



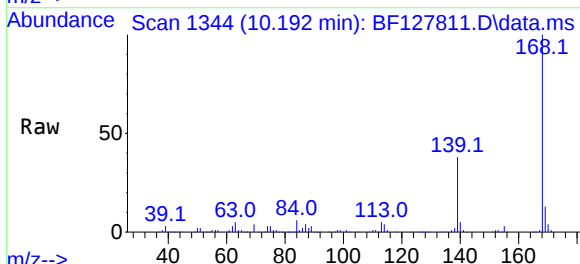
Tgt Ion:154 Resp: 77798
Ion Ratio Lower Upper
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153 110.4 87.6 131.4
152 53.3 42.9 64.3

Manual Integrations
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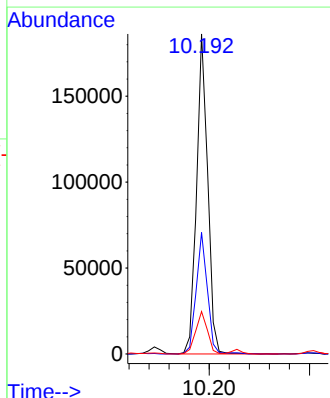
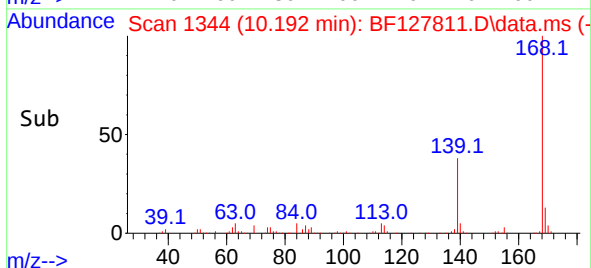
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022

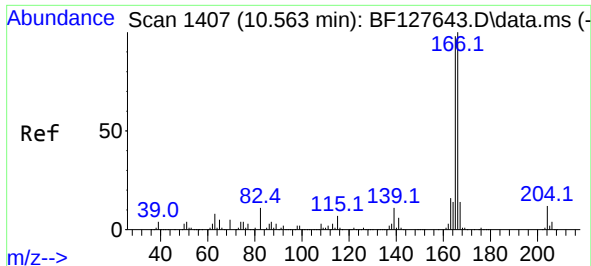


#55
Dibenzofuran
Concen: 5.429 ng
RT: 10.192 min Scan# 1344
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54



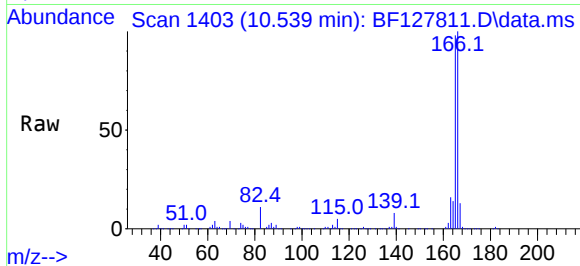
Tgt Ion:168 Resp: 143360
Ion Ratio Lower Upper
168 100
139 38.0 30.3 45.5
169 13.2 10.8 16.2





#58
Fluorene
Concen: 9.386 ng
RT: 10.539 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

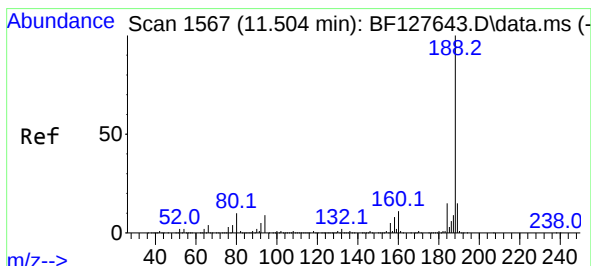
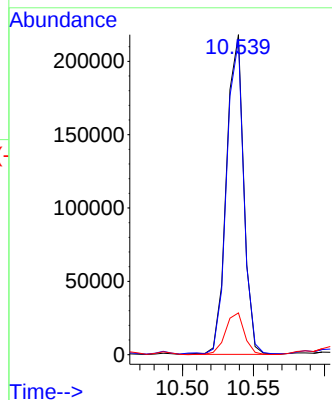
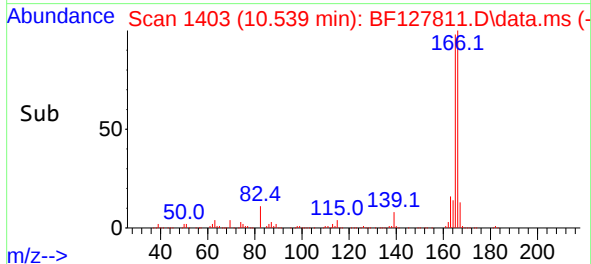
Instrument :
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VNJ-212



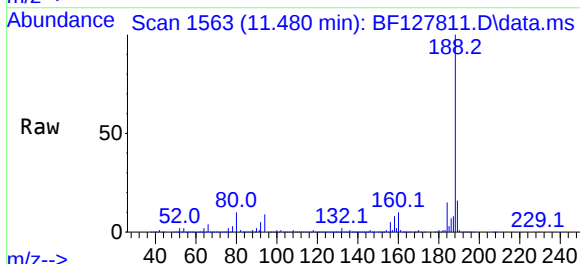
Tgt Ion:166 Resp: 183119
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.1 10.5 15.7

Manual Integrations
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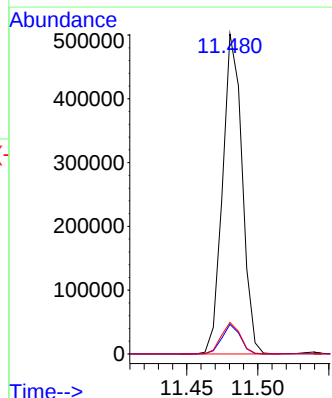
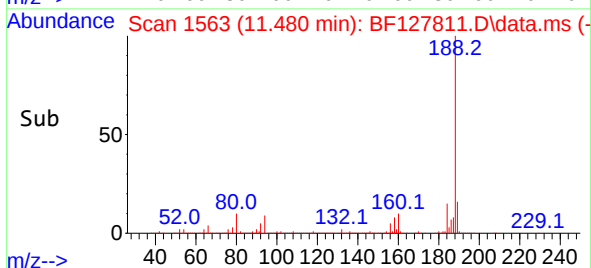
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022

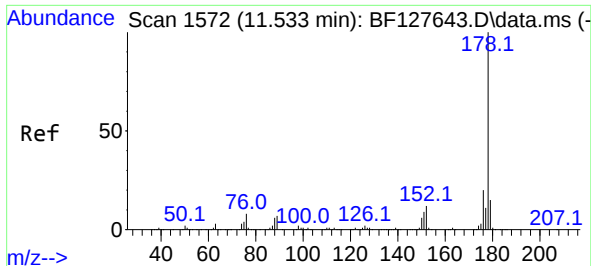


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54



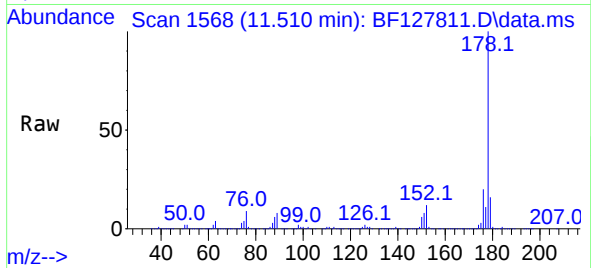
Tgt Ion:188 Resp: 479660
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.0
80 9.9 8.0 12.0





#71
Phenanthrene
Concen: 60.916 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

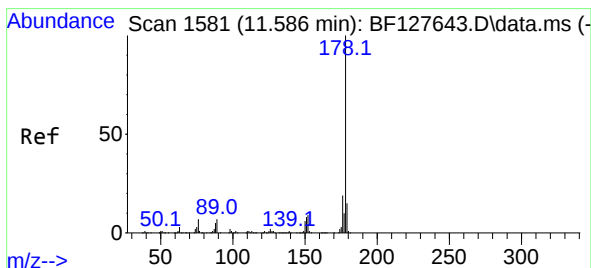
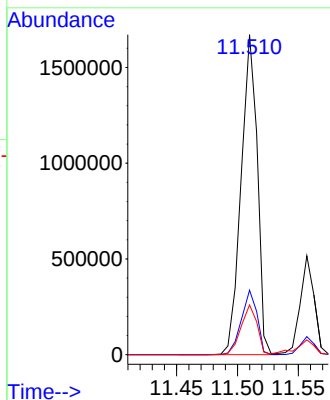
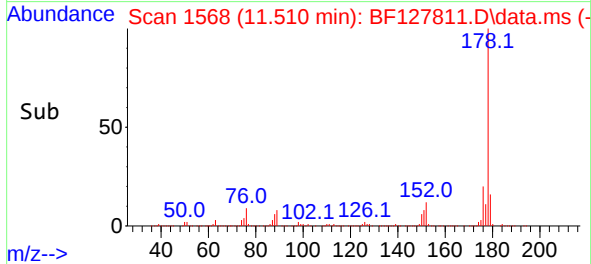
Instrument :
BNA_F
ClientSampleId :
VNJ-212



Tgt Ion:178 Resp: 1548110
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 15.6 12.4 18.6

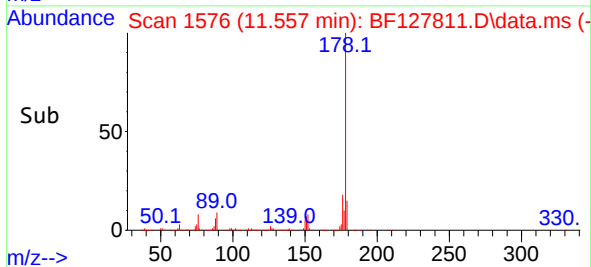
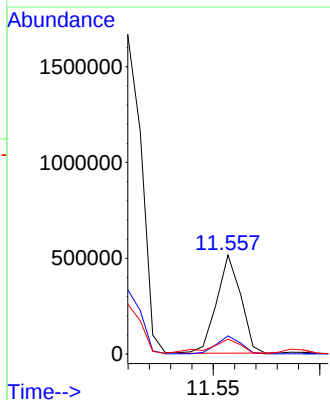
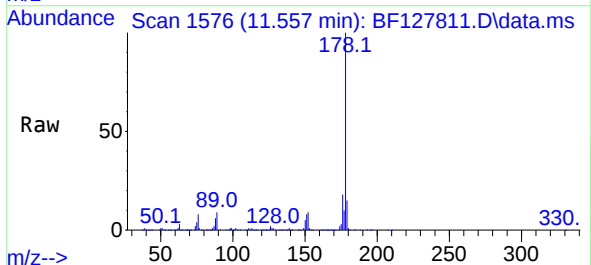
Manual Integrations
APPROVED

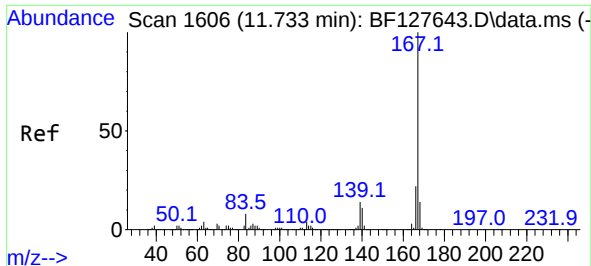
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022



#72
Anthracene
Concen: 16.053 ng
RT: 11.557 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:178 Resp: 403565
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.1 12.4 18.6





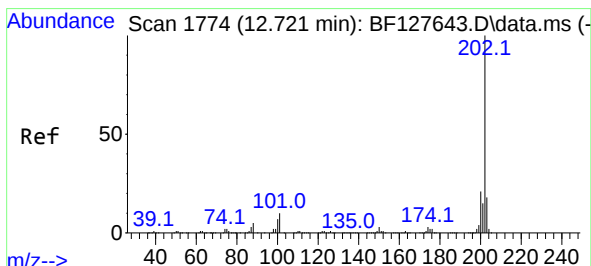
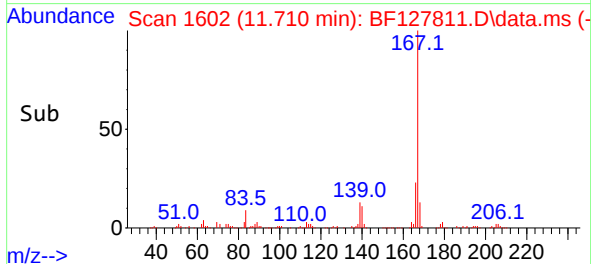
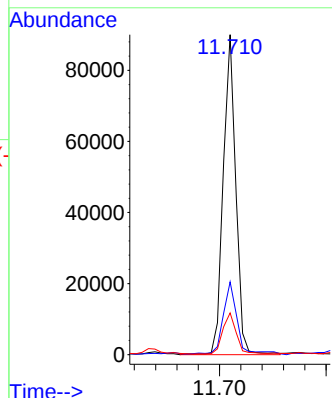
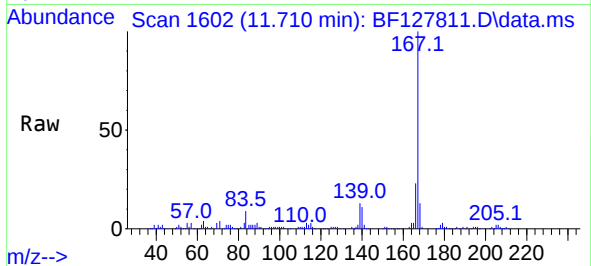
#73
 Carbazole
 Concen: 3.120 ng
 RT: 11.710 min Scan# 1602
 Delta R.T. -0.018 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Tgt Ion:167 Resp: 7349
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.0 25.4
 139 13.1 10.5 15.7

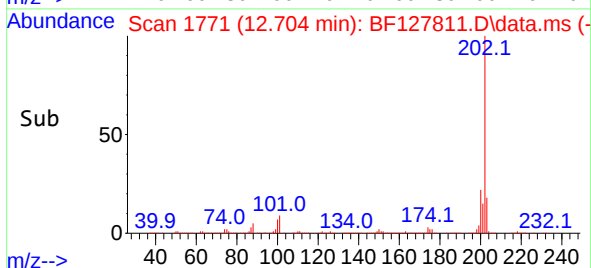
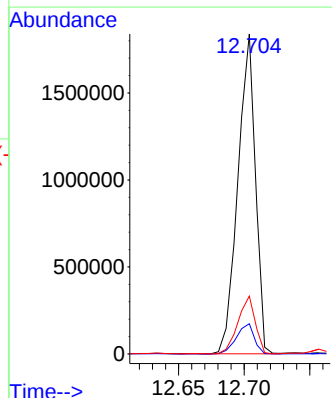
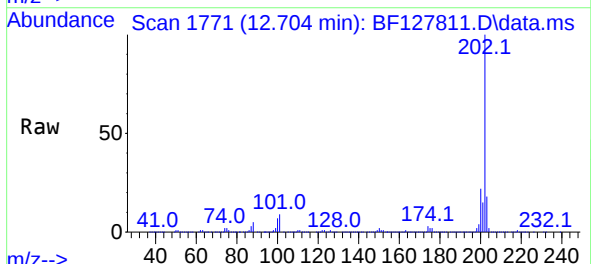
Manual Integrations
 APPROVED

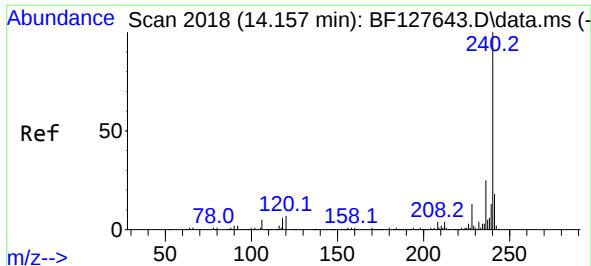
Reviewed By :Christian Giraldo 04/18/2022
 Supervised By :Jagrut Upadhyay 04/18/2022



#75
 Fluoranthene
 Concen: 61.914 ng
 RT: 12.704 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

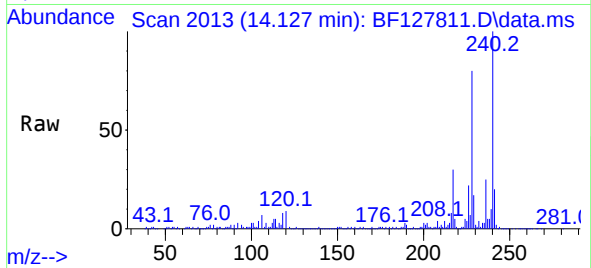
Tgt Ion:202 Resp: 1717038
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.0
 203 18.1 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

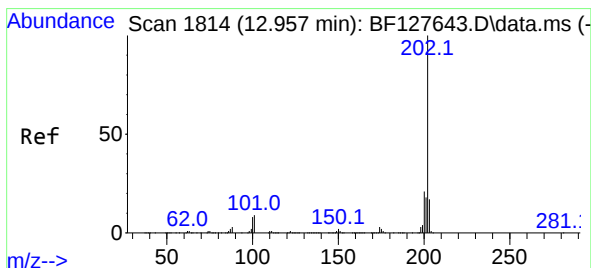
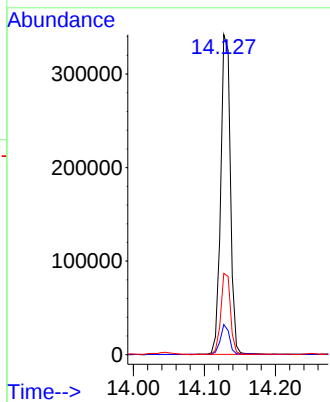
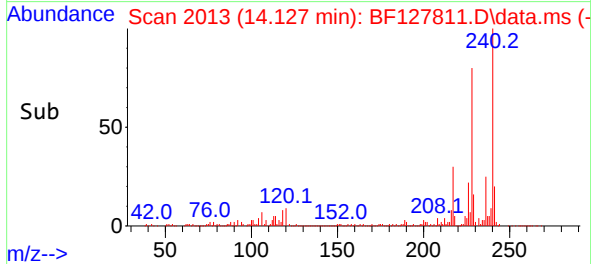
Instrument :
BNA_F
ClientSampleId :
VNJ-212



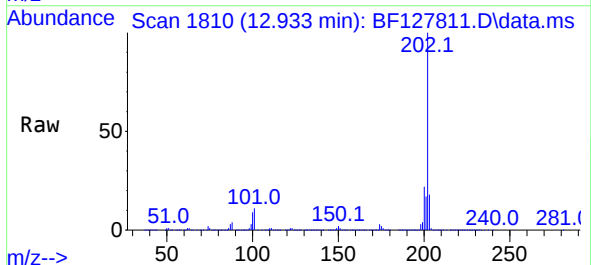
Tgt Ion:240 Resp: 32036
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 25.4 20.7 31.1

Manual Integrations
APPROVED

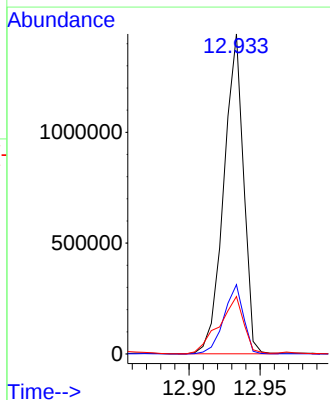
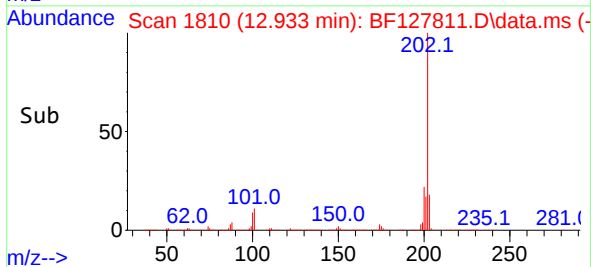
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022

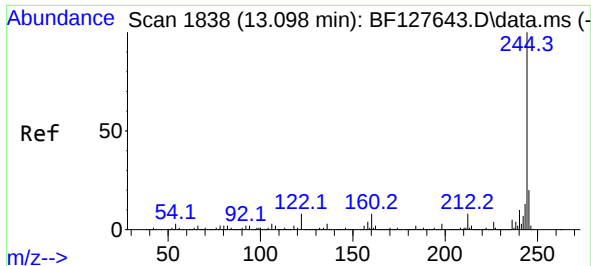


#78
Pyrene
Concen: 51.429 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54



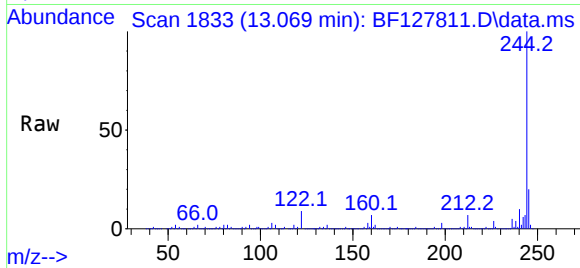
Tgt Ion:202 Resp: 1391277
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 52.009 ng
 RT: 13.069 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

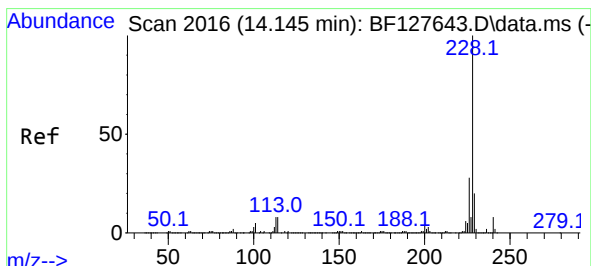
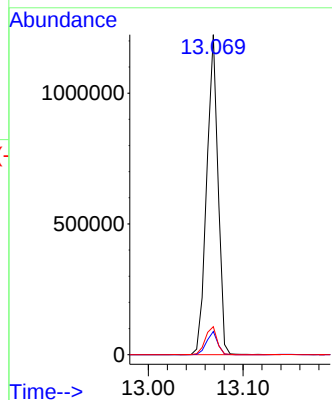
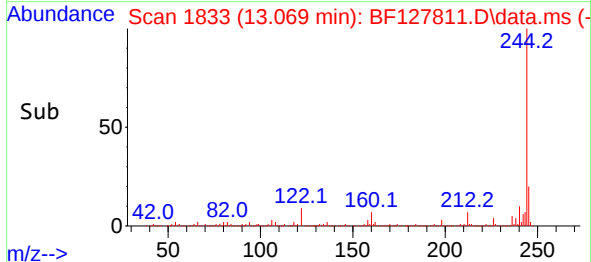
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212



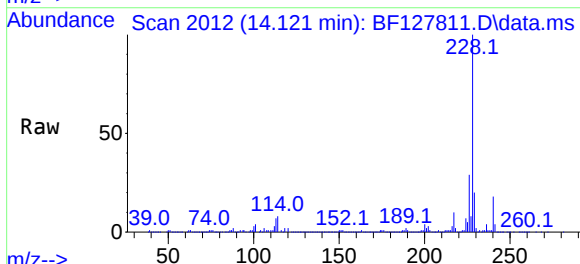
Tgt Ion:244 Resp: 1009429
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 8.8 6.2 9.2

Manual Integrations
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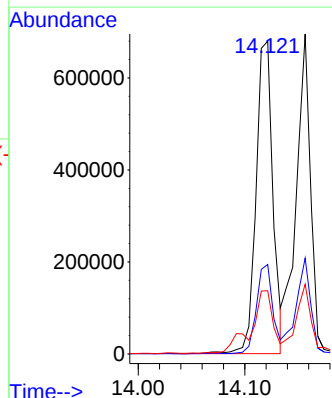
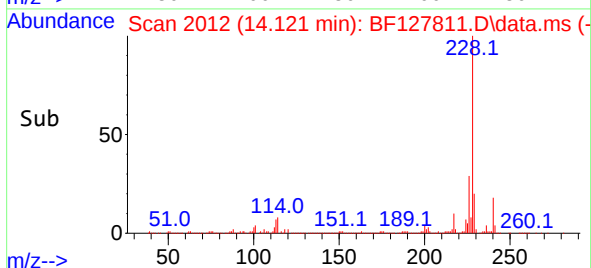
Reviewed By :Christian Giraldo 04/18/2022
 Supervised By :Jagrut Upadhyay 04/18/2022

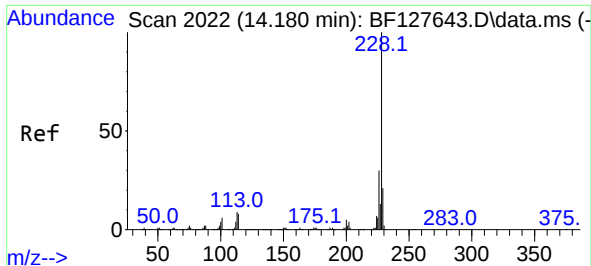


#81
 Benzo(a)anthracene
 Concen: 34.739 ng
 RT: 14.121 min Scan# 2012
 Delta R.T. -0.012 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54



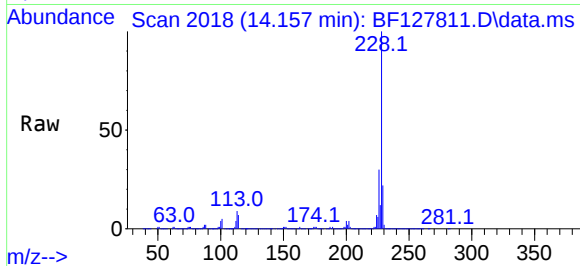
Tgt Ion:228 Resp: 743298
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 20.2 15.4 23.2





#83
Chrysene
Concen: 31.760 ng
RT: 14.157 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

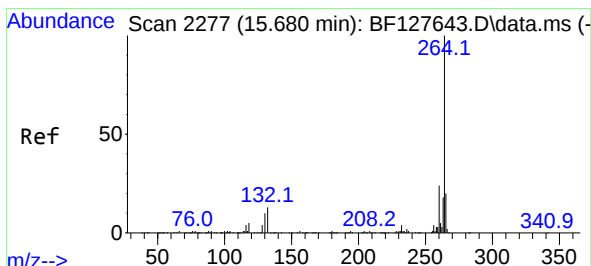
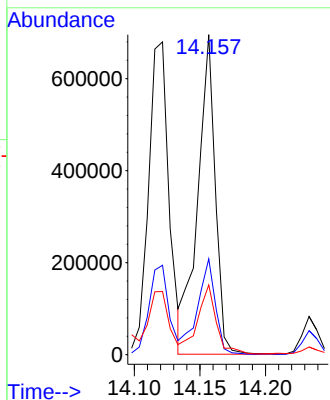
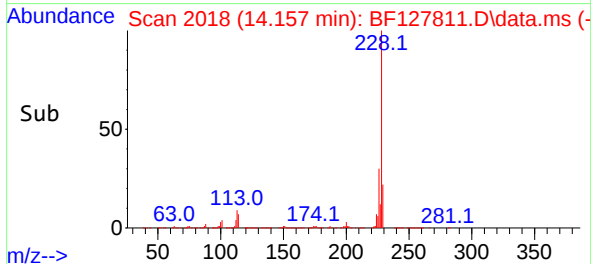
Instrument :
BNA_F
ClientSampleId :
VNJ-212



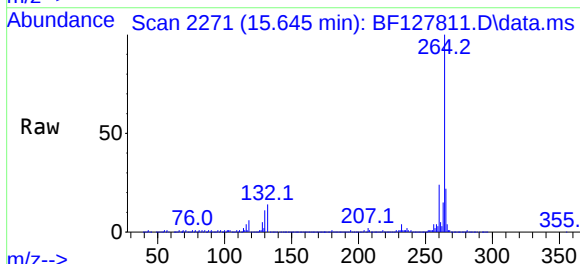
Tgt Ion:228 Resp: 652310
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 21.8 15.4 23.2

Manual Integrations
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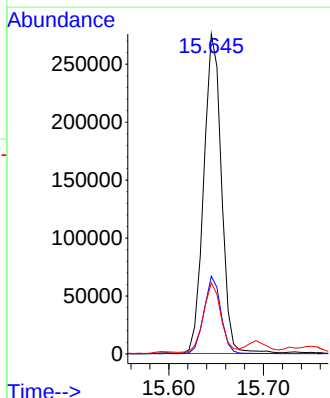
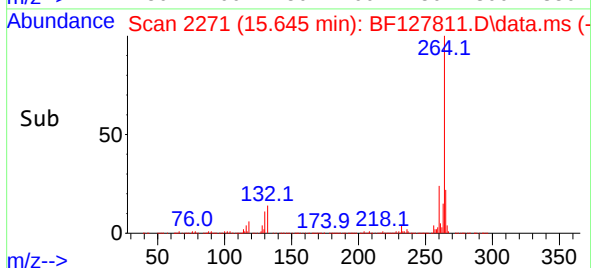
Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022

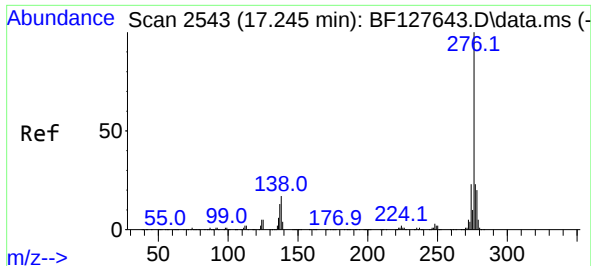


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2271
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54



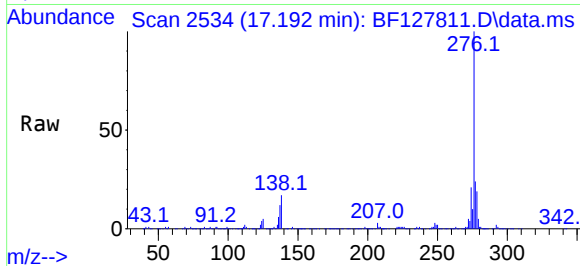
Tgt Ion:264 Resp: 356717
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 22.3 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.566 ng
 RT: 17.192 min Scan# 2195
 Delta R.T. -0.035 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

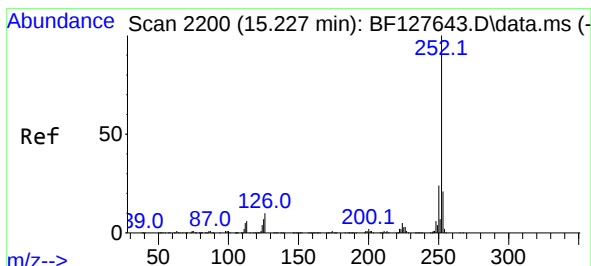
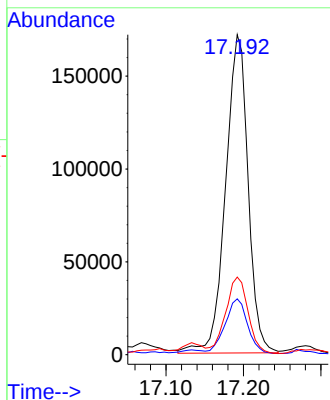
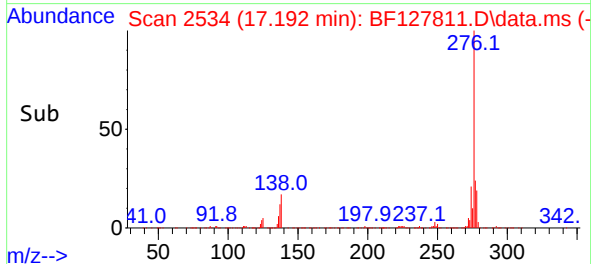
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212



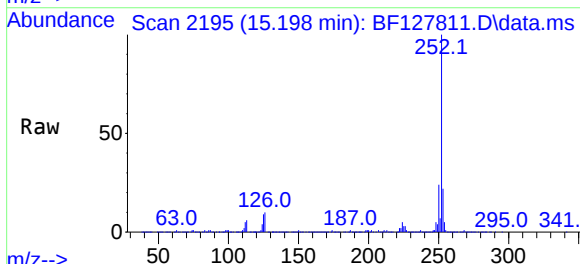
Tgt Ion: 276 Resp: 346928
 Ion Ratio Lower Upper
 276 100
 138 17.1 17.1 25.7
 277 24.0 19.9 29.9

Manual Integrations
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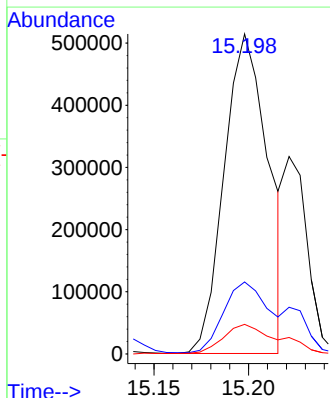
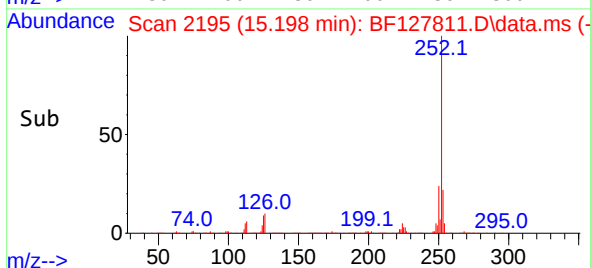
Reviewed By : Christian Giraldo 04/18/2022
 Supervised By : Jagrut Upadhyay 04/18/2022

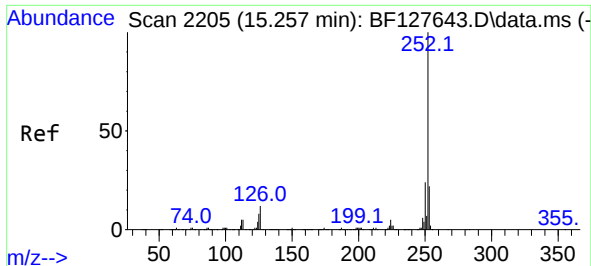


#88
 Benzo(b)fluoranthene
 Concen: 36.277 ng m
 RT: 15.198 min Scan# 2195
 Delta R.T. -0.012 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54



Tgt Ion: 252 Resp: 832464
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.9 26.9
 125 9.2 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 11.584 ng m

RT: 15.221 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

Tgt Ion:252 Resp: 26365

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

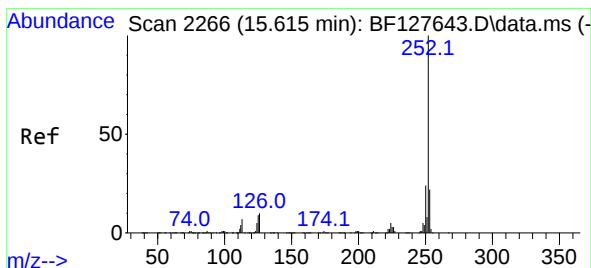
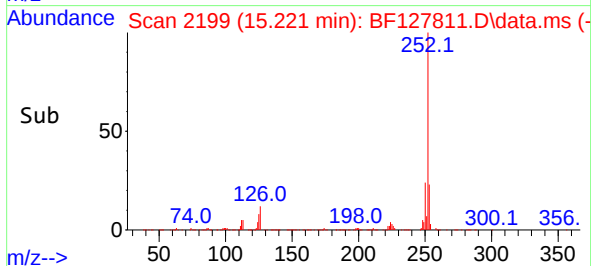
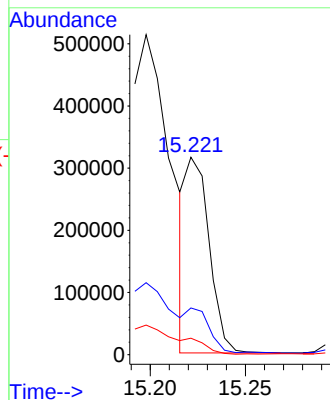
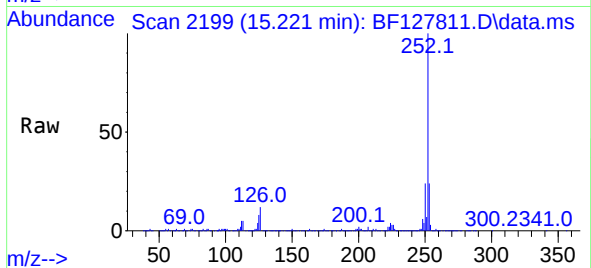
125 8.4 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/18/2022

Supervised By :Jagrut Upadhyay 04/18/2022



#90

Benzo(a)pyrene

Concen: 32.334 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

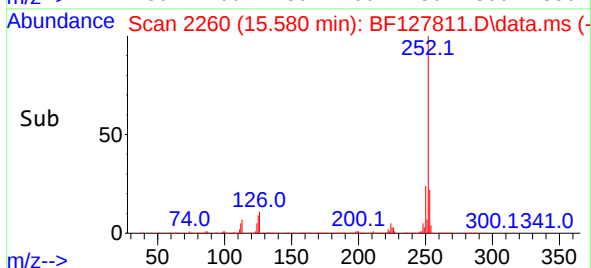
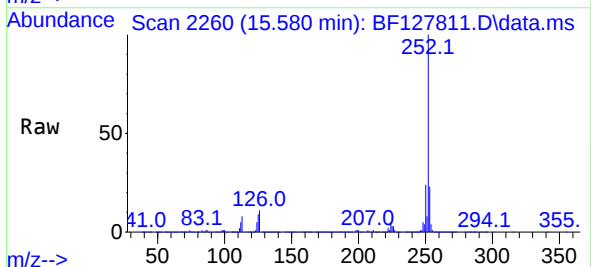
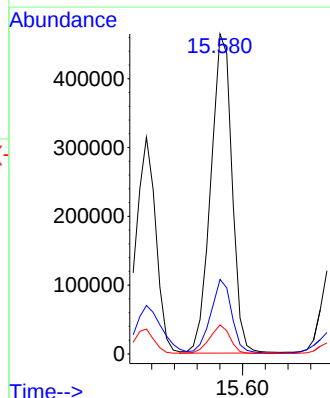
Tgt Ion:252 Resp: 603076

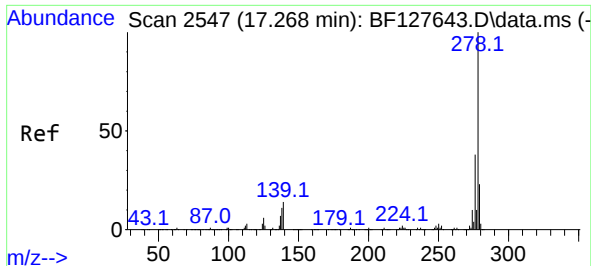
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 9.1 6.7 10.1





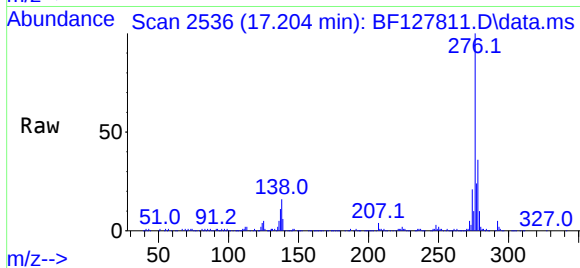
#91
Dibenzo(a,h)anthracene
Concen: 4.721 ng m
RT: 17.204 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

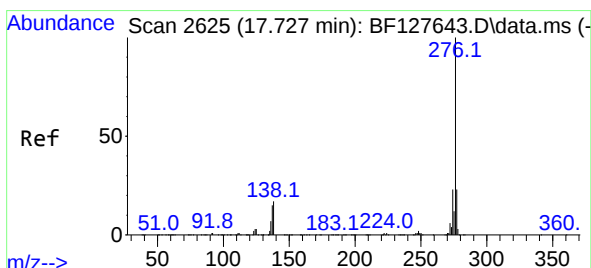
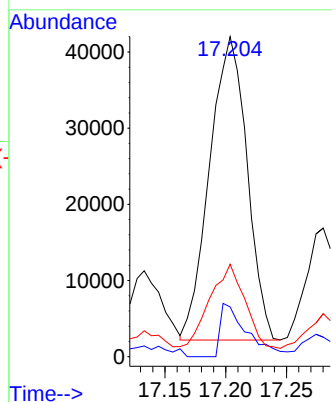
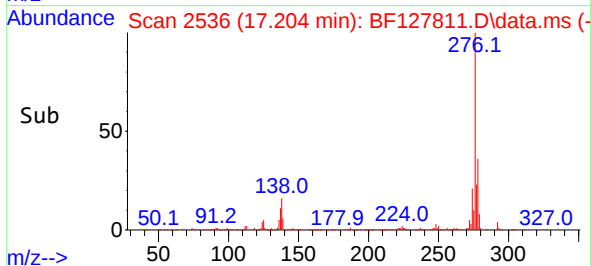


Tgt Ion:278 Resp: 85260
Ion Ratio Lower Upper
278 100
139 15.6 10.8 16.2
279 28.9 17.7 26.5

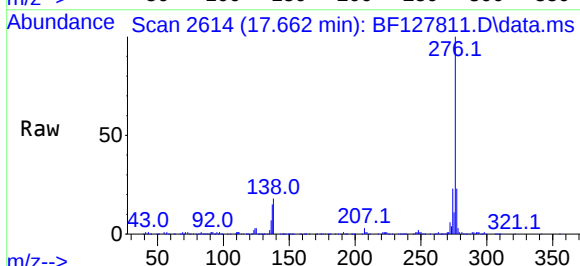
Manual Integrations

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Reviewed By :Christian Giraldo 04/18/2022
Supervised By :Jagrut Upadhyay 04/18/2022



#92
Benzo(g,h,i)perylene
Concen: 16.053 ng
RT: 17.662 min Scan# 2614
Delta R.T. -0.041 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54



Tgt Ion:276 Resp: 297183
Ion Ratio Lower Upper
276 100
277 22.8 19.0 28.4
138 17.7 14.6 22.0

