

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126675.D
 Acq On : 25 Jan 2022 20:30
 Operator : CG/JU
 Sample : N1251-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/26/2022
 Supervised By : Jagrut Upadhyay 01/26/2022

Quant Time: Jan 26 00:23:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	103892	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	395406	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	197561	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	275581	20.000	ng	0.00
76) Chrysene-d12	14.145	240	218856	20.000	ng	# 0.00
86) Perylene-d12	15.674	264	210145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	869065	110.076	ng	0.00
7) Phenol-d6	6.581	99	1154295	105.229	ng	0.00
23) Nitrobenzene-d5	7.528	82	854230	84.560	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	185068	100.098	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	977662	75.789	ng	0.00
79) Terphenyl-d14	13.086	244	731327	56.047	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.863	152	92942	5.067	ng	98
58) Fluorene	10.551	166	46226	3.633	ng	97
71) Phenanthrene	11.521	178	498545	31.665	ng	99
72) Anthracene	11.569	178	113515	7.186	ng	100
75) Fluoranthene	12.716	202	907401	58.350	ng	98
78) Pyrene	12.951	202	884857	49.996	ng	100
81) Benzo(a)anthracene	14.139	228	482628m	32.444	ng	
83) Chrysene	14.174	228	515176	35.992	ng	98
87) Indeno(1,2,3-cd)pyrene	17.233	276	254771	19.622	ng	# 84
88) Benzo(b)fluoranthene	15.221	252	641322m	46.020	ng	
89) Benzo(k)fluoranthene	15.251	252	244941m	17.901	ng	
90) Benzo(a)pyrene	15.609	252	467866m	41.263	ng	
91) Dibenzo(a,h)anthracene	17.251	278	64199	5.968	ng	# 93
92) Benzo(g,h,i)perylene	17.709	276	236670	22.439	ng	# 87

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

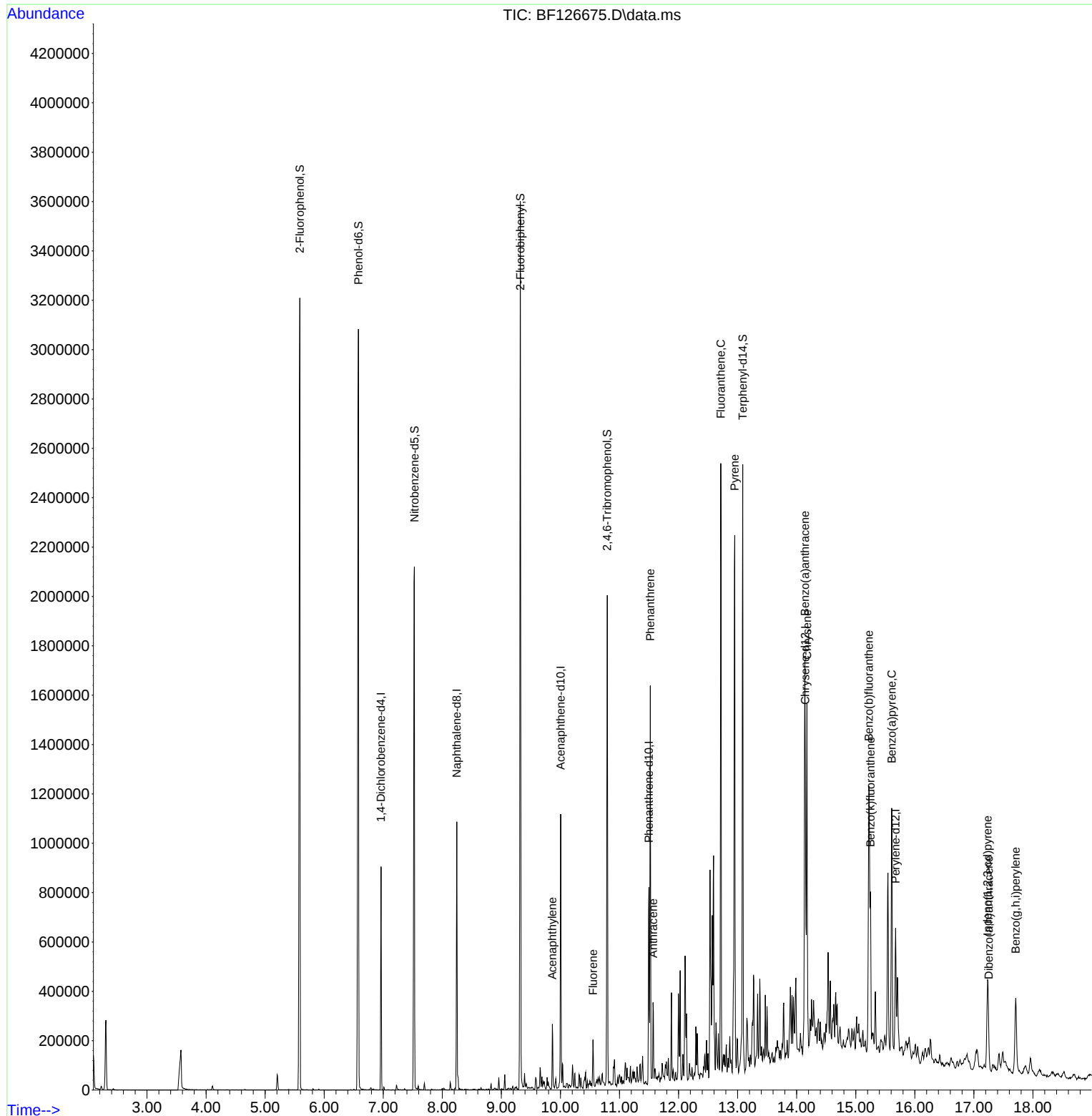
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
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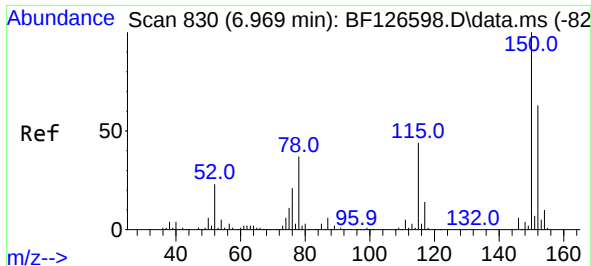
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Quant Time: Jan 26 00:23:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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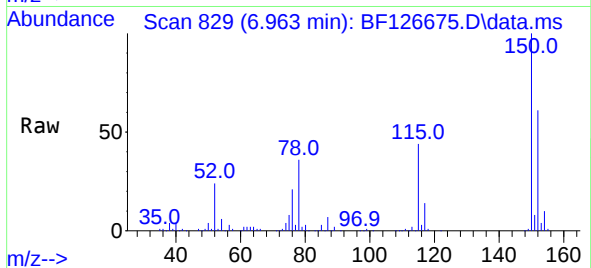
Reviewed By : Christian Giraldo 01/26/2022
Supervised By : Jagrut Upadhyay 01/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

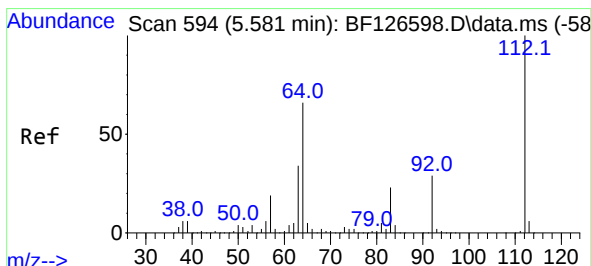
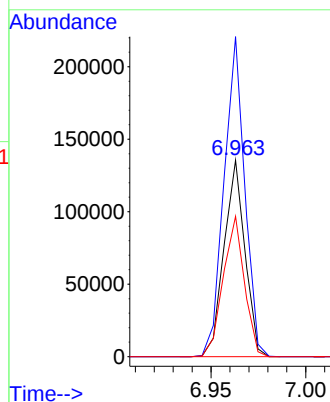
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:152 Resp: 103892
Ion Ratio Lower Upper
152 100
150 162.8 128.1 192.1
115 71.4 56.7 85.1

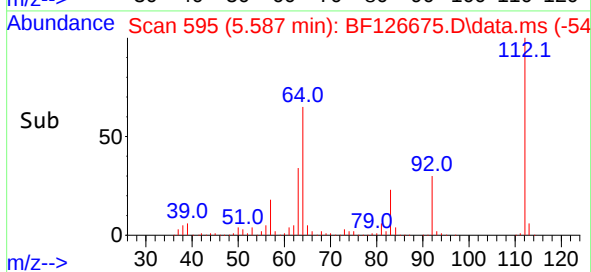
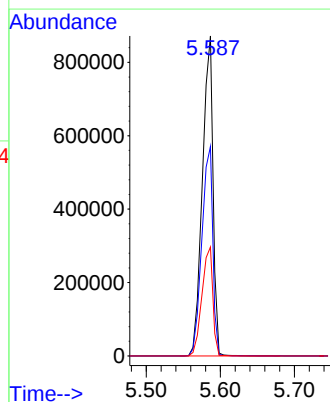
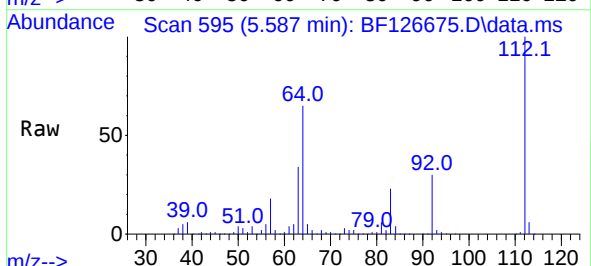
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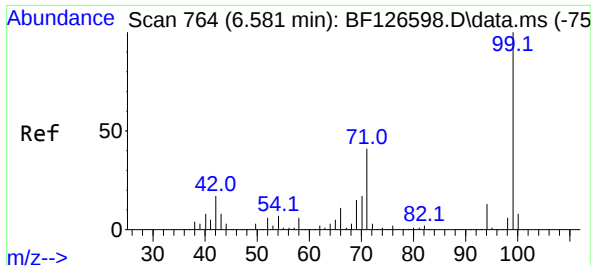
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#5
2-Fluorophenol
Concen: 110.076 ng
RT: 5.587 min Scan# 595
Delta R.T. 0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

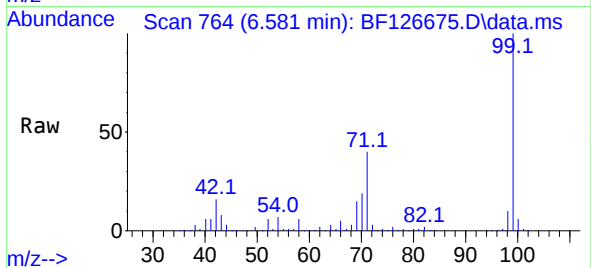
Tgt Ion:112 Resp: 869065
Ion Ratio Lower Upper
112 100
64 65.4 49.5 74.3
63 34.1 23.9 35.9





#7
Phenol-d6
Concen: 105.229 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

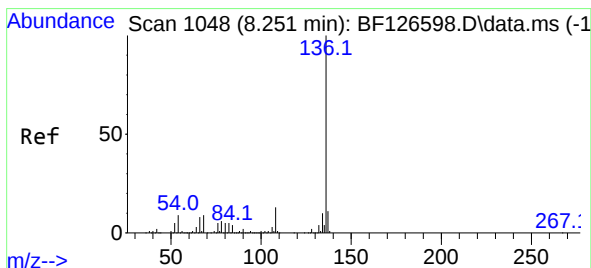
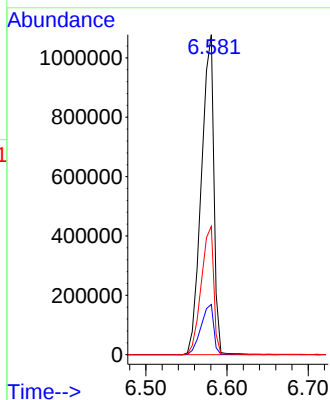
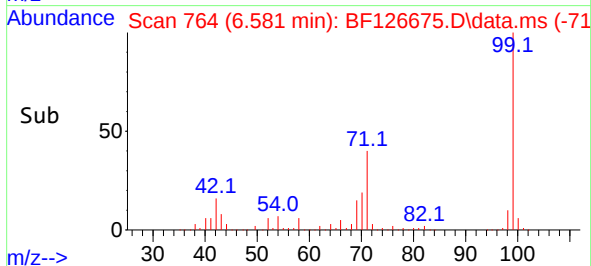
Instrument :
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ClientSampleId :
VNJ-222



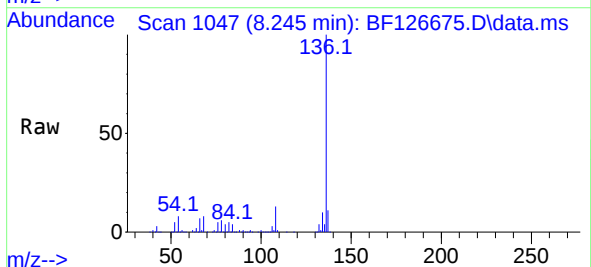
Tgt Ion: 99 Resp: 115429
Ion Ratio Lower Upper
99 100
42 15.7 14.2 21.4
71 40.1 24.3 36.5

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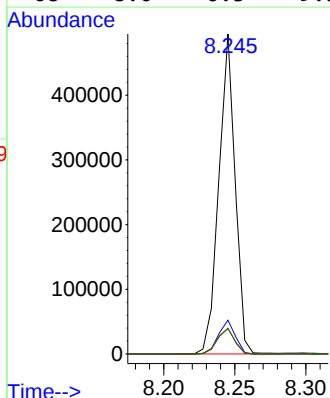
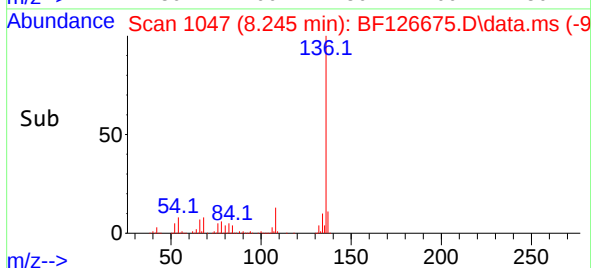
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

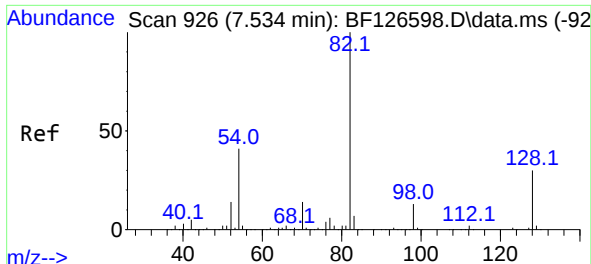


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



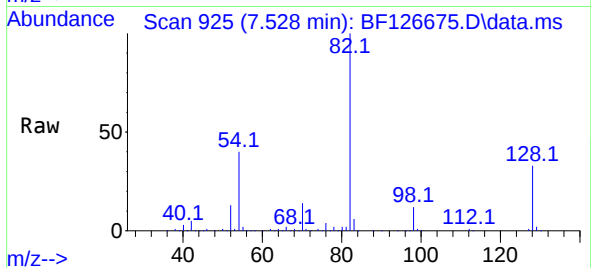
Tgt Ion:136 Resp: 395406
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.0 7.8 11.6
68 8.0 6.3 9.5





#23
Nitrobenzene-d5
Concen: 84.560 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

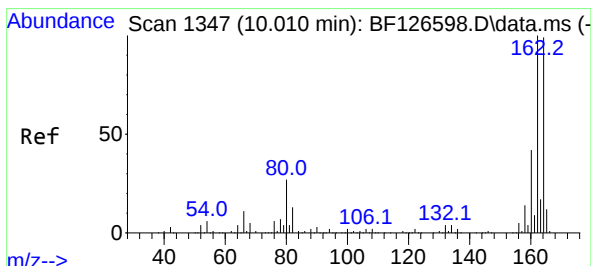
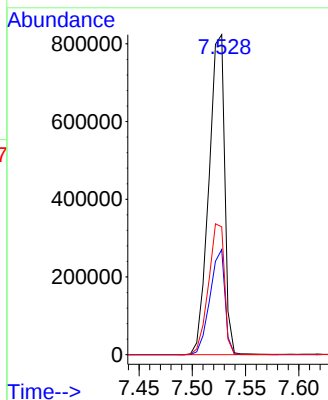
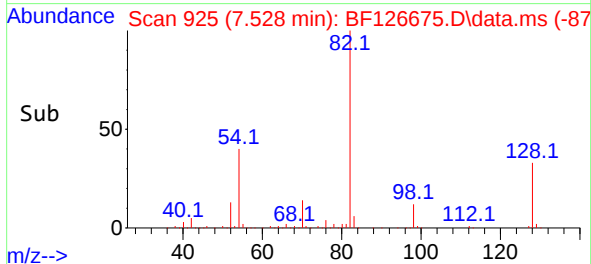
Instrument :
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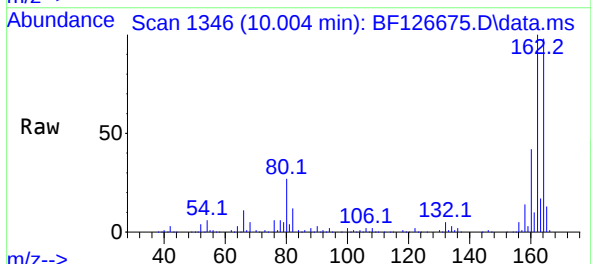
Tgt Ion: 82 Resp: 854230
Ion Ratio Lower Upper
82 100
128 32.8 32.7 49.1
54 40.0 41.7 62.5

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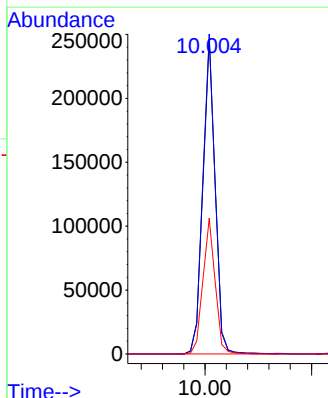
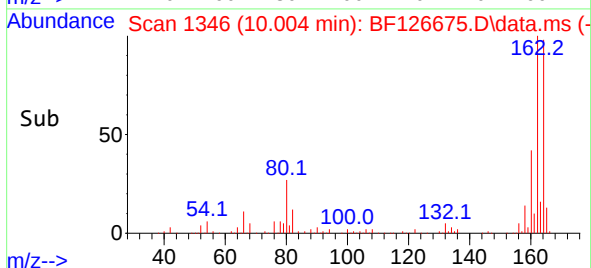
Reviewed By :Christian Giraldo 01/26/2022
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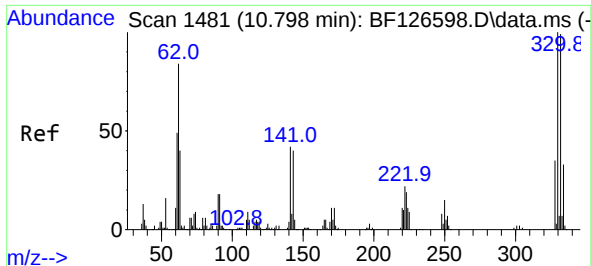


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



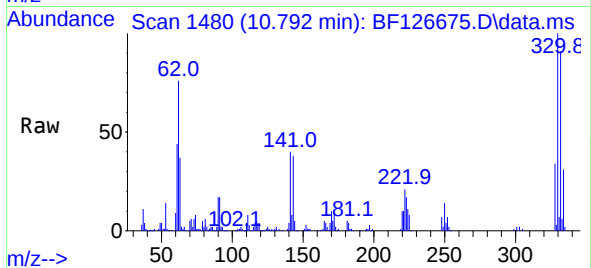
Tgt Ion:164 Resp: 197561
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 43.1 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 100.098 ng
RT: 10.792 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

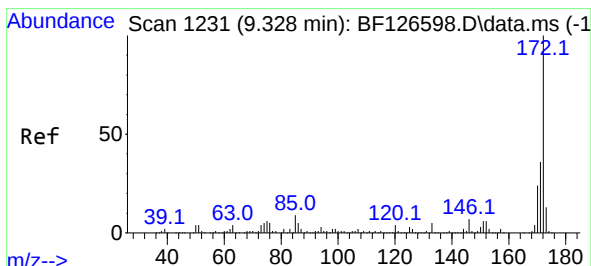
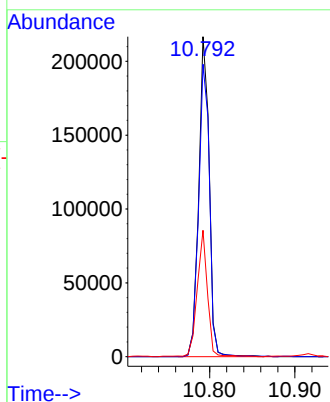
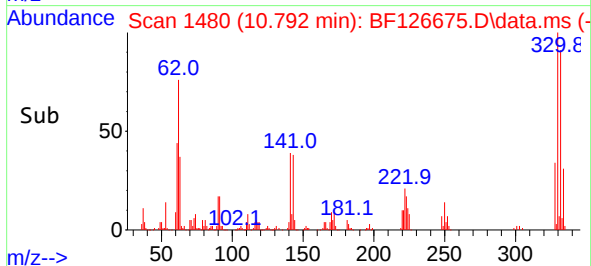
Instrument :
BNA_F
ClientSampleId :
VNJ-222



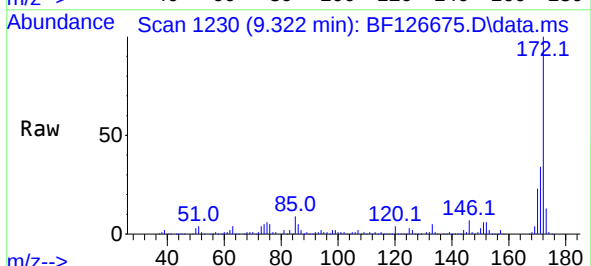
Tgt Ion: 330 Resp: 185062
Ion Ratio Lower Upper
330 100
332 94.6 76.0 114.0
141 38.9 30.1 45.1

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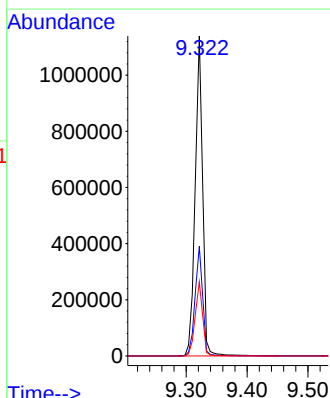
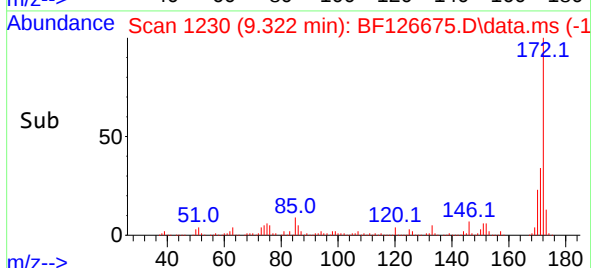
Reviewed By : Christian Giraldo 01/26/2022
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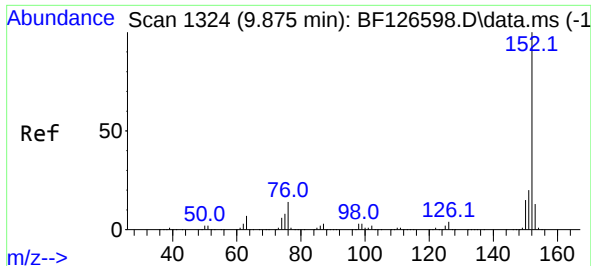


#45
2-Fluorobiphenyl
Concen: 75.789 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



Tgt Ion: 172 Resp: 977662
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.1 19.0 28.6





#49

Acenaphthylene

Concen: 5.067 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Instrument :

BNA_F

ClientSampleId :

VNJ-222

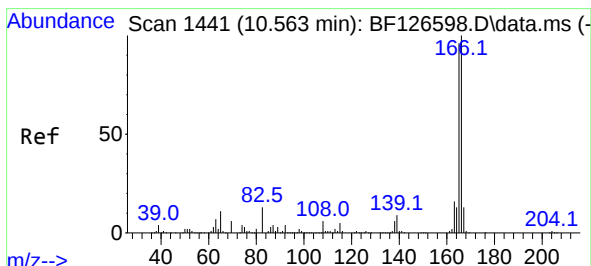
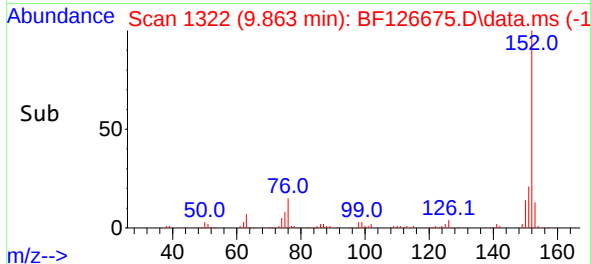
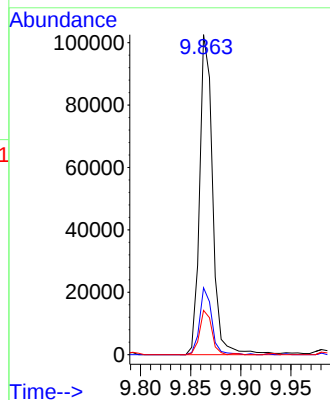
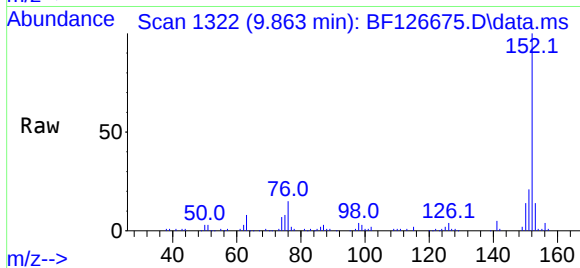
Tgt Ion:152 Resp: 9294

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.7	23.5
153	13.8	11.4	17.0

Manual Integrations

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#58

Fluorene

Concen: 3.633 ng

RT: 10.551 min Scan# 1439

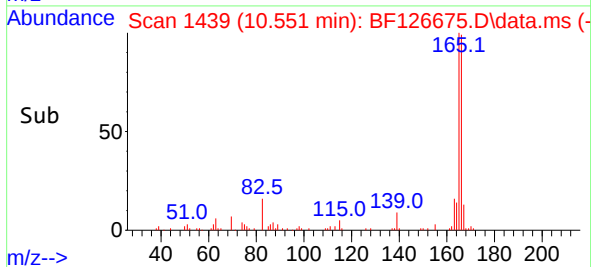
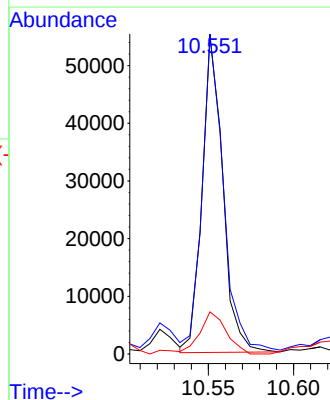
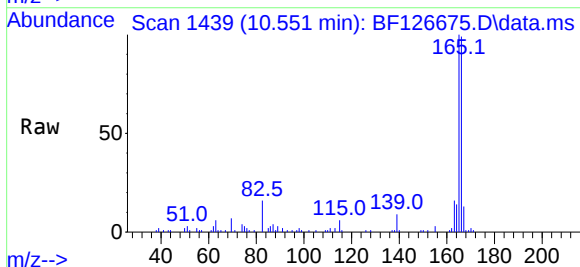
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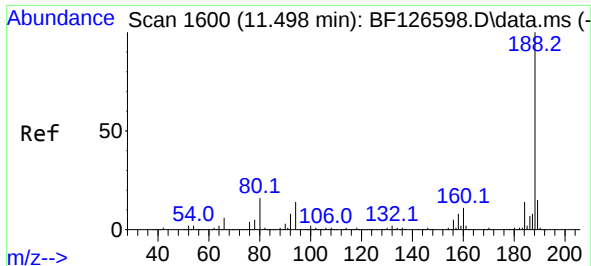
Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Tgt Ion:166 Resp: 46226

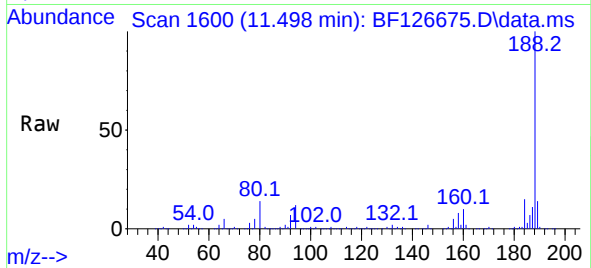
Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.7	116.5
167	13.2	10.7	16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

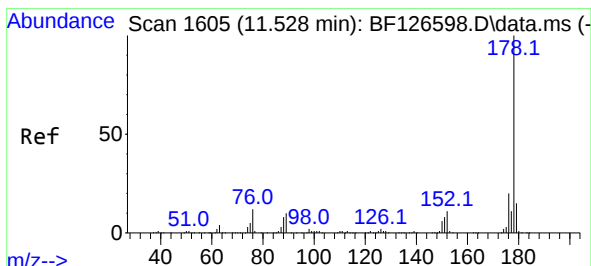
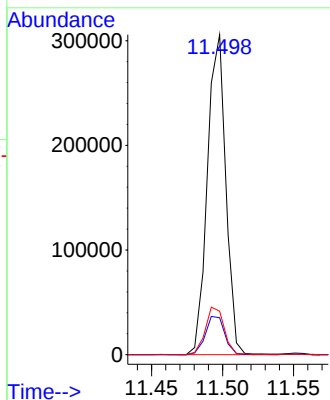
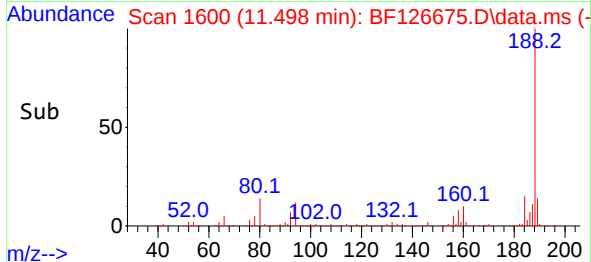
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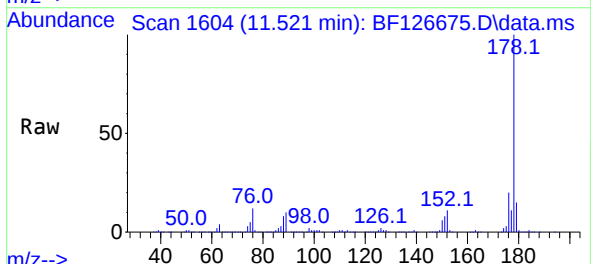
Tgt Ion:188 Resp: 27558
Ion Ratio Lower Upper
188 100
94 11.5 10.1 15.1
80 13.6 11.8 17.6

Manual Integrations
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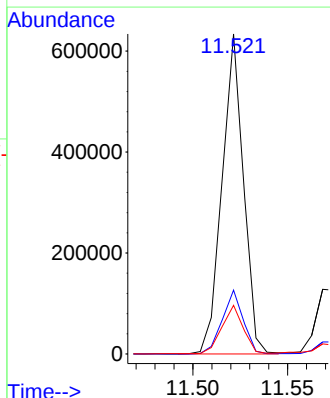
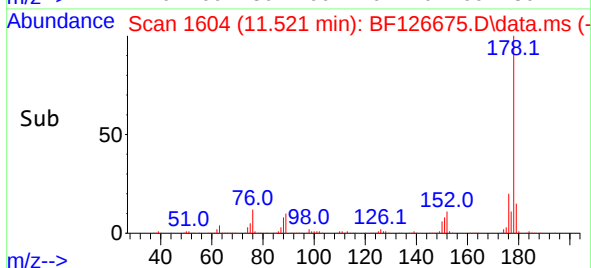
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

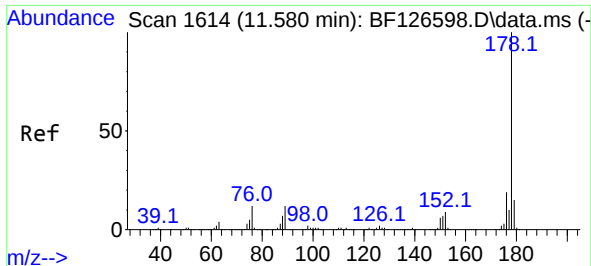


#71
Phenanthrene
Concen: 31.665 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



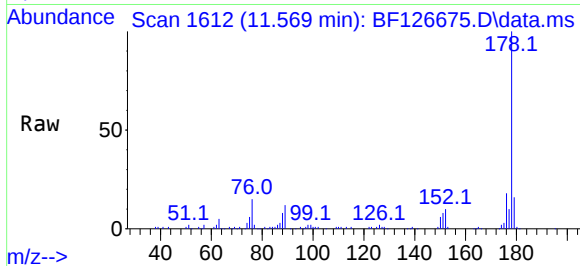
Tgt Ion:178 Resp: 498545
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.2 12.3 18.5





#72
 Anthracene
 Concen: 7.186 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. -0.012 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

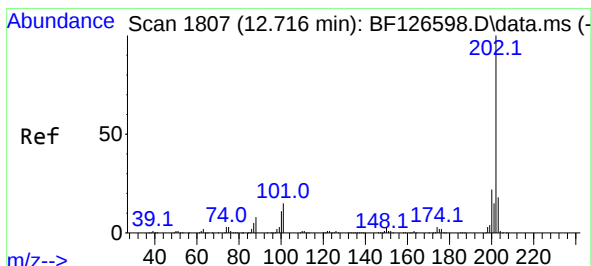
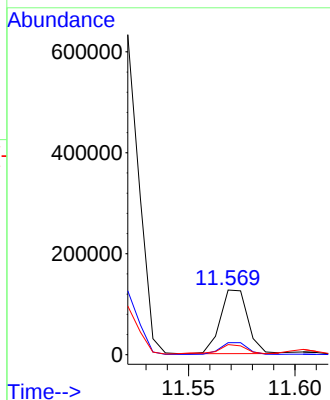
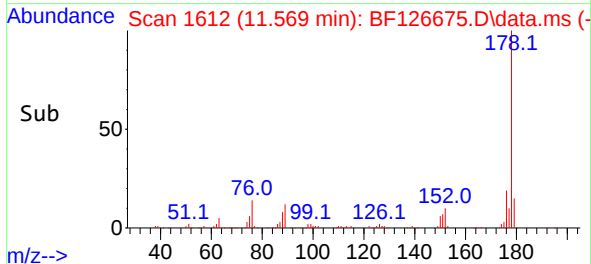
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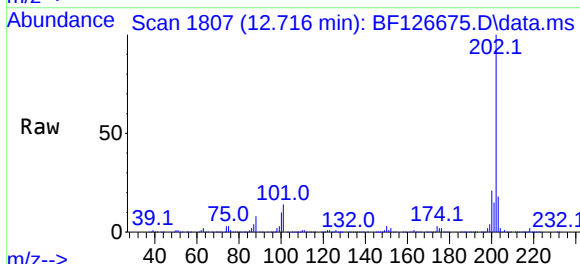
Tgt Ion:178 Resp: 113515
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 15.5 12.5 18.7

Manual Integrations
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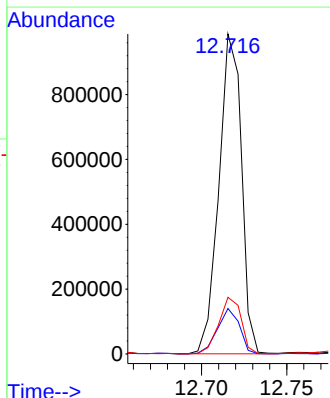
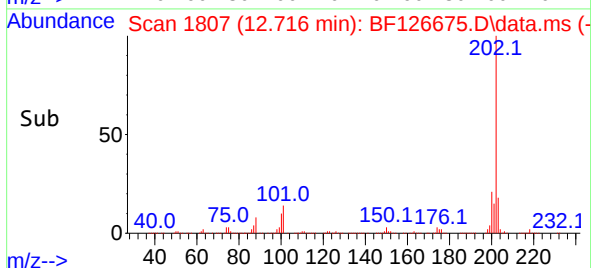
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

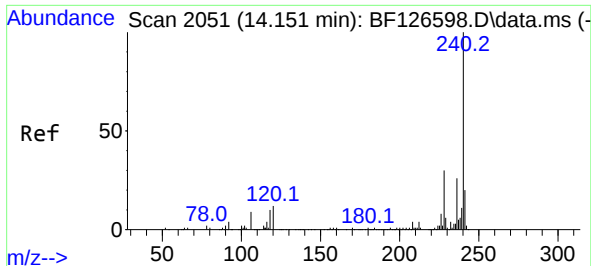


#75
 Fluoranthene
 Concen: 58.350 ng
 RT: 12.716 min Scan# 1807
 Delta R.T. -0.000 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30



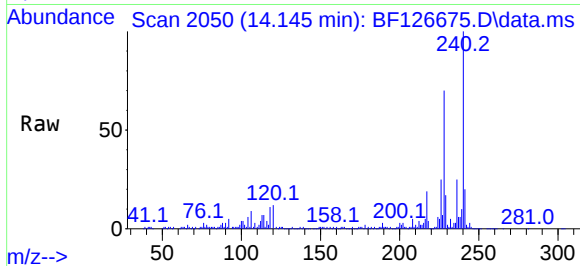
Tgt Ion:202 Resp: 907401
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 35.7
 203 17.7 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

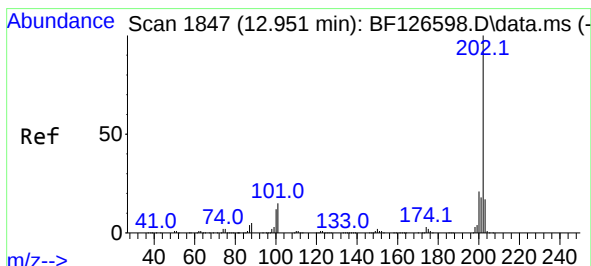
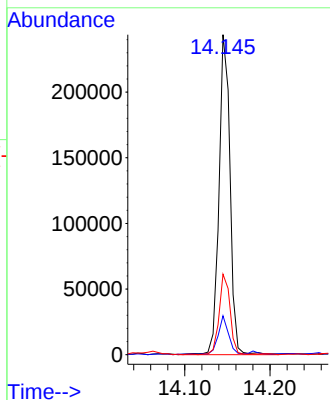
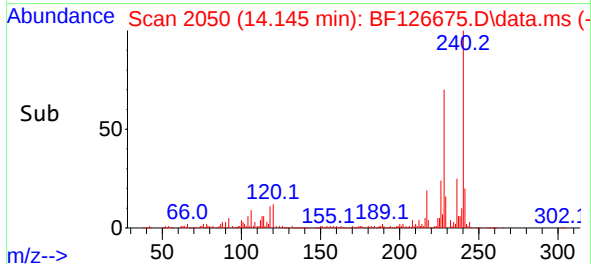
Instrument :
BNA_F
ClientSampleId :
VNJ-222



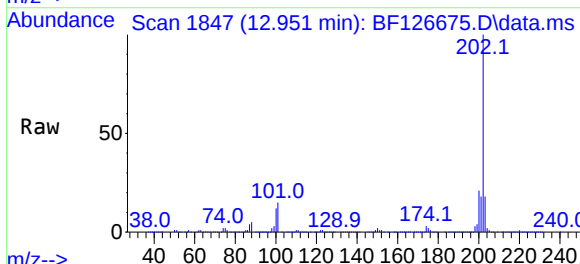
Tgt Ion:240 Resp: 218850
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6
236 25.2 20.5 30.7

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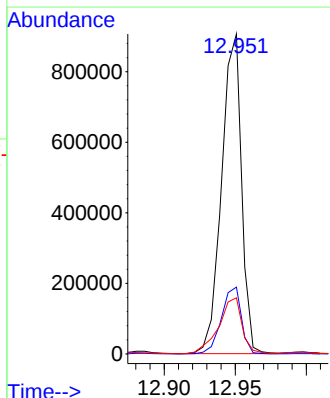
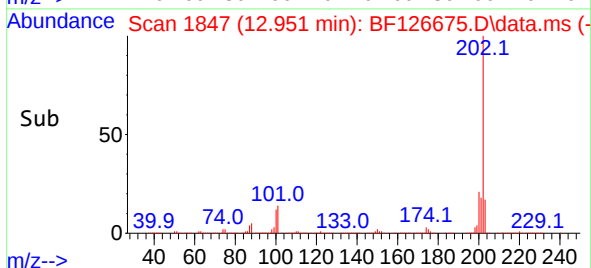
Reviewed By :Christian Giraldo 01/26/2022
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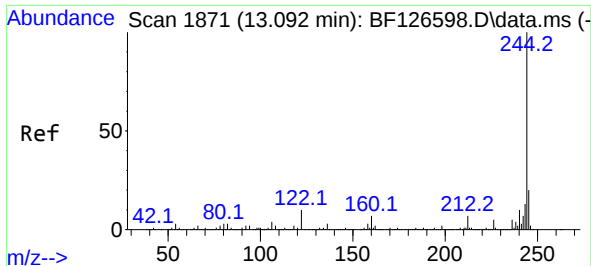


#78
Pyrene
Concen: 49.996 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



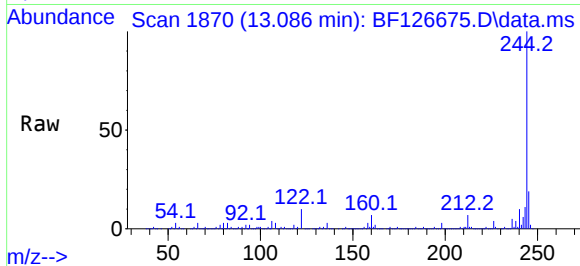
Tgt Ion:202 Resp: 884857
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 13.8 20.8





#79
 Terphenyl-d14
 Concen: 56.047 ng
 RT: 13.086 min Scan# 1871
 Delta R.T. -0.006 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30

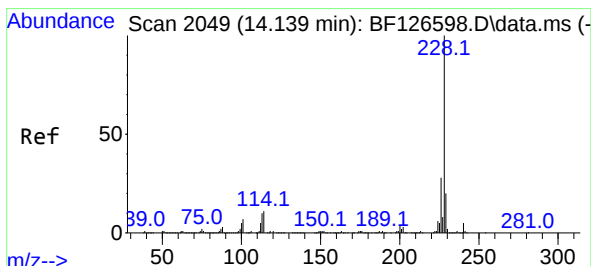
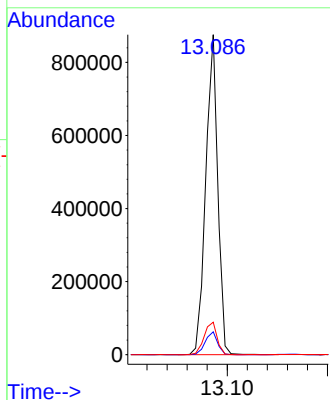
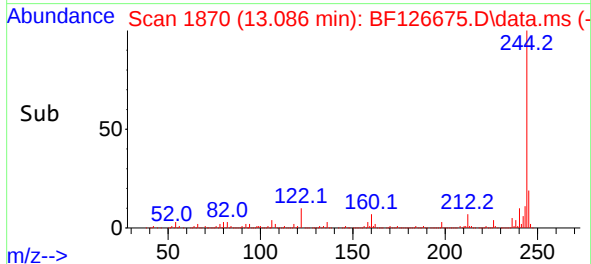
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222



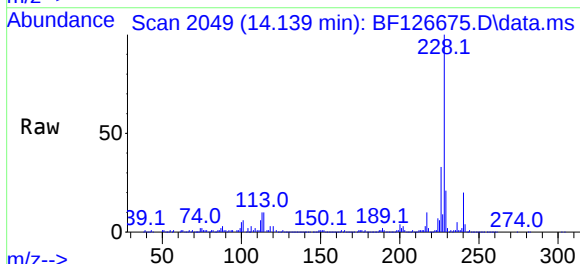
Tgt Ion:244 Resp: 731327
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.0 7.4
 122 10.2 13.3 19.9

Manual Integrations
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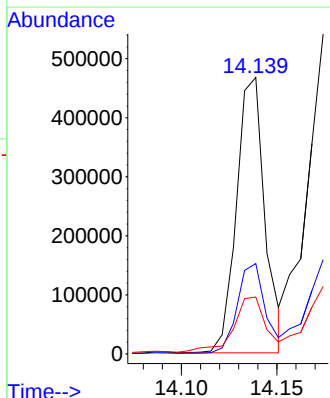
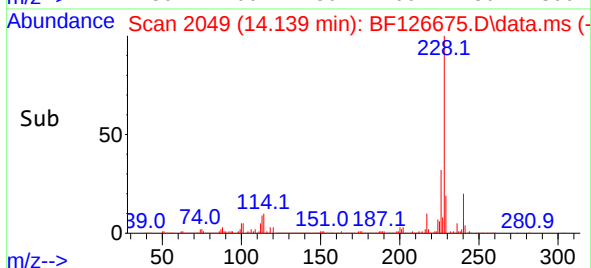
Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

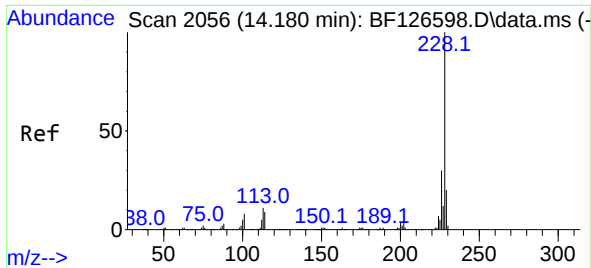


#81
 Benzo(a)anthracene
 Concen: 32.444 ng m
 RT: 14.139 min Scan# 2049
 Delta R.T. -0.000 min
 Lab File: BF126675.D
 Acq: 25 Jan 2022 20:30



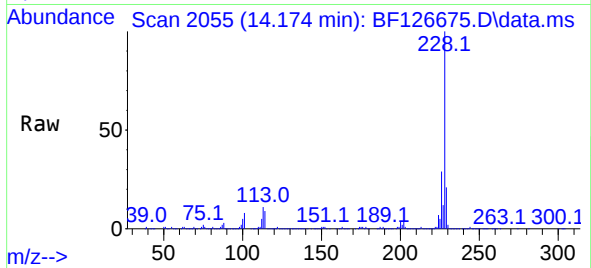
Tgt Ion:228 Resp: 482628
 Ion Ratio Lower Upper
 228 100
 226 32.7 21.4 32.0#
 229 20.6 15.4 23.2





#83
Chrysene
Concen: 35.992 ng
RT: 14.174 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

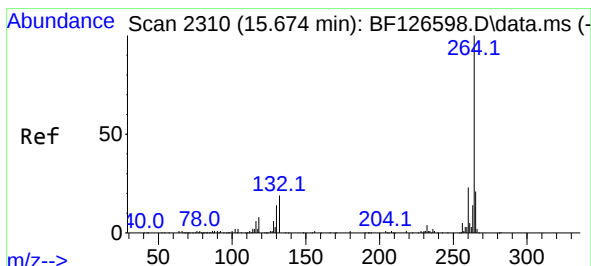
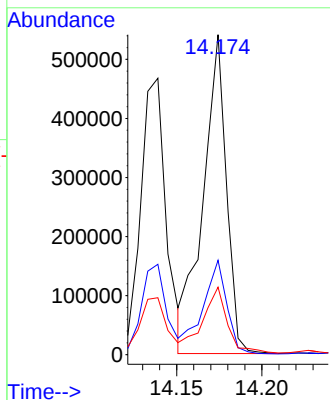
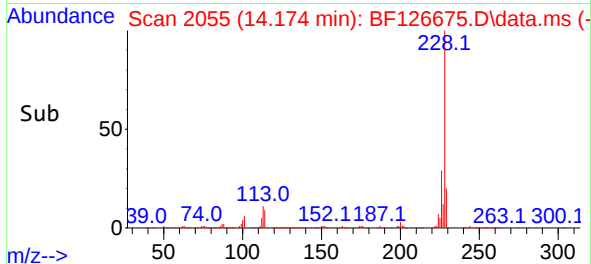
Instrument :
BNA_F
ClientSampleId :
VNJ-222



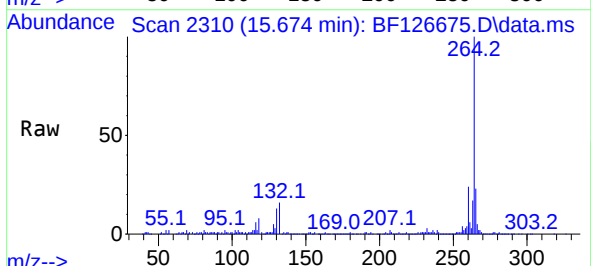
Tgt Ion:228 Resp: 515170
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 21.1 15.5 23.3

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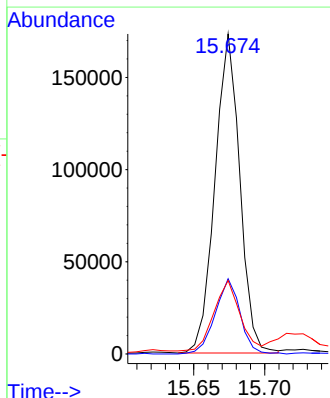
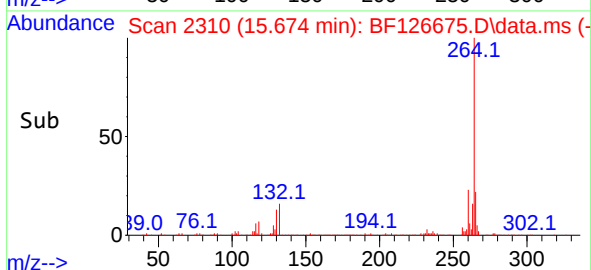
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

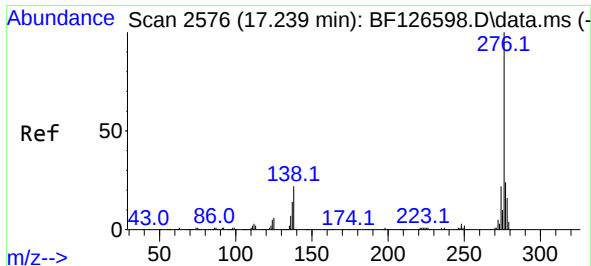


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2310
Delta R.T. -0.000 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



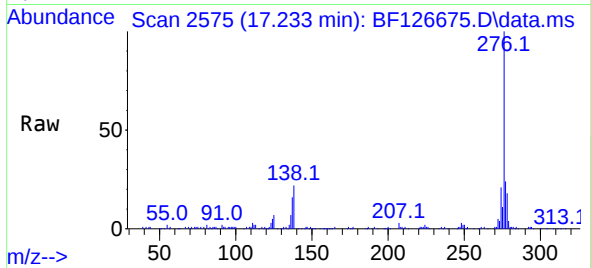
Tgt Ion:264 Resp: 210145
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 23.0 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.622 ng
RT: 17.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

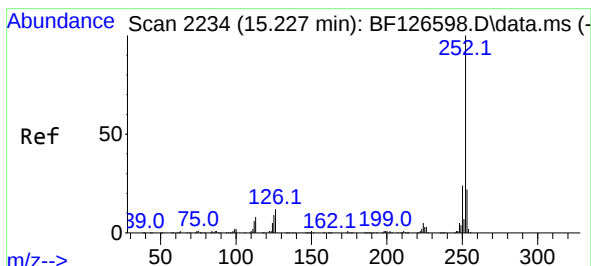
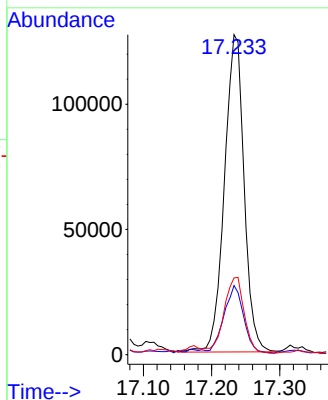
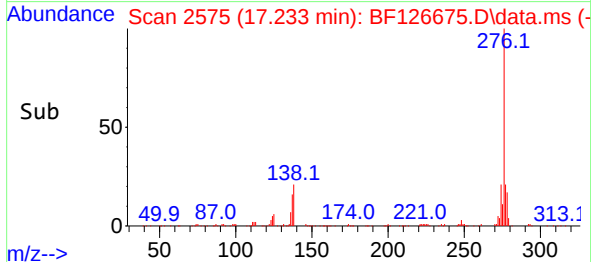
Instrument :
BNA_F
ClientSampleId :
VNJ-222



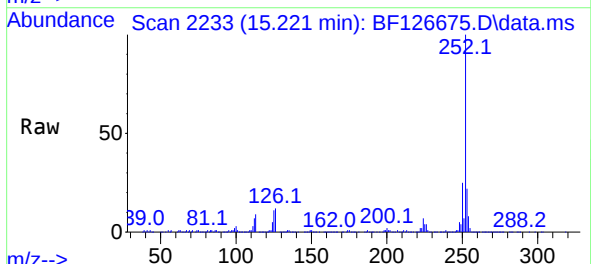
Tgt Ion:276 Resp: 25477
Ion Ratio Lower Upper
276 100
138 21.2 29.2 43.8
277 24.7 19.8 29.8

Manual Integrations
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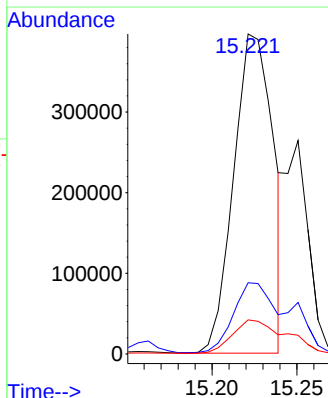
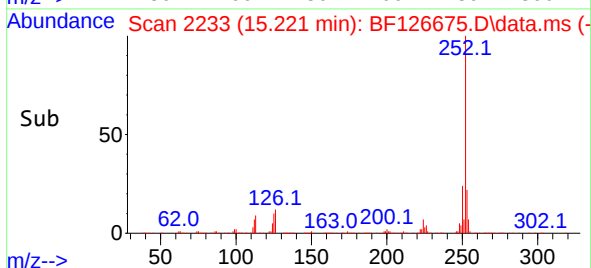
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

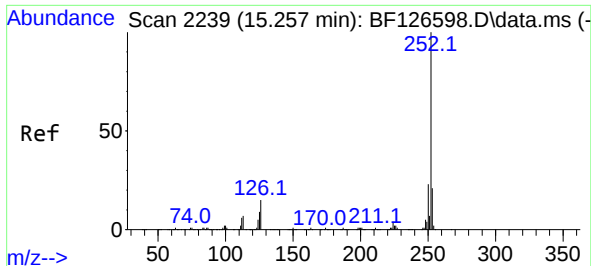


#88
Benzo(b)fluoranthene
Concen: 46.020 ng m
RT: 15.221 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



Tgt Ion:252 Resp: 641322
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.6 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 17.901 ng m

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Instrument :

BNA_F

ClientSampleId :

VNJ-222

Tgt Ion:252 Resp: 24494

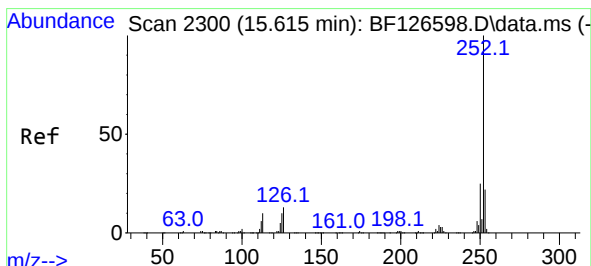
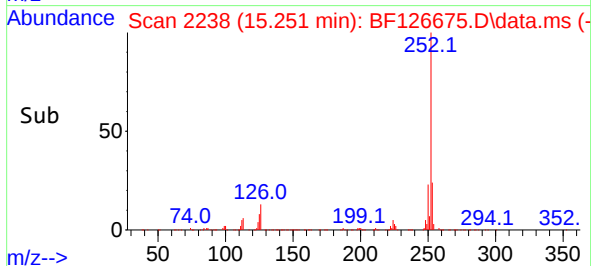
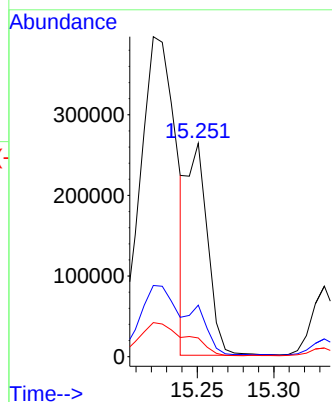
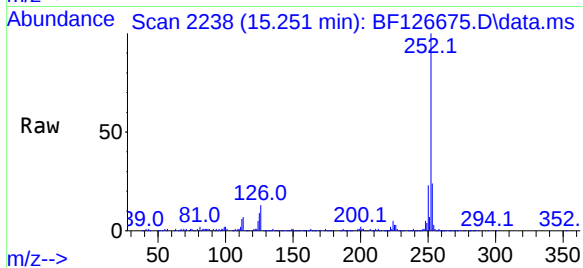
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	8.8	11.8	17.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/26/2022

Supervised By :Jagrut Upadhyay 01/26/2022



#90

Benzo(a)pyrene

Concen: 41.263 ng m

RT: 15.609 min Scan# 2299

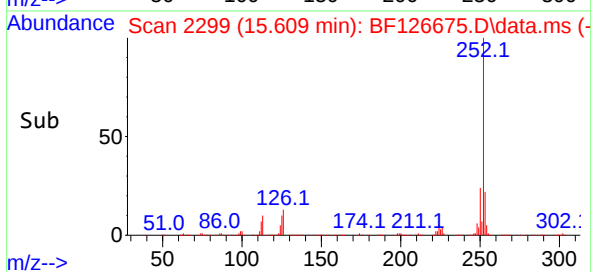
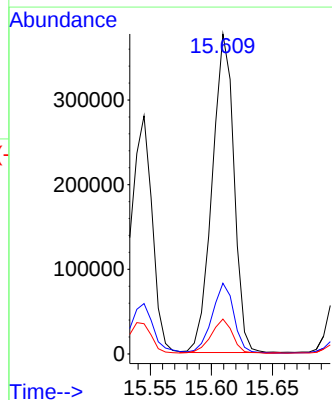
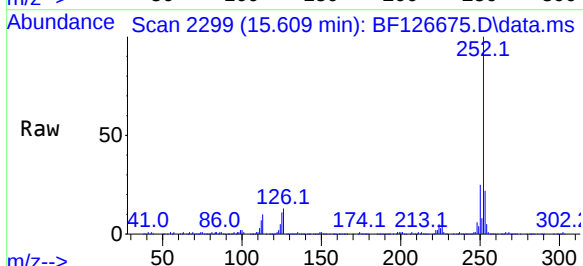
Delta R.T. -0.006 min

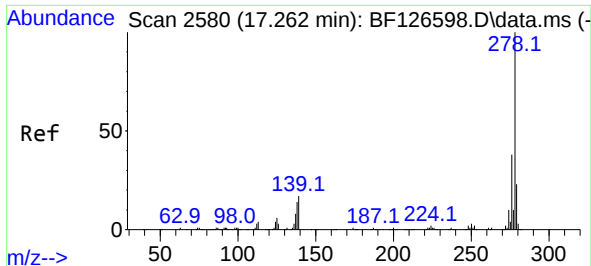
Lab File: BF126675.D

Acq: 25 Jan 2022 20:30

Tgt Ion:252 Resp: 467866

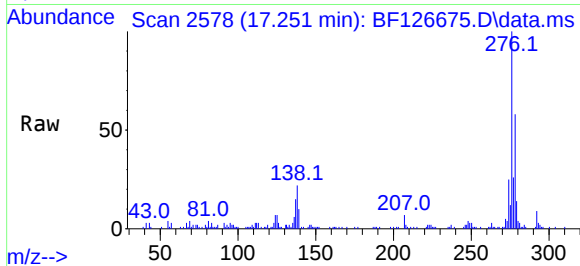
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.9	13.0	19.6





#91
Dibenzo(a,h)anthracene
Concen: 5.968 ng
RT: 17.251 min Scan# 2578
Delta R.T. -0.012 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30

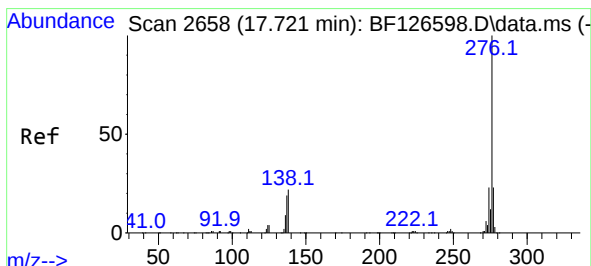
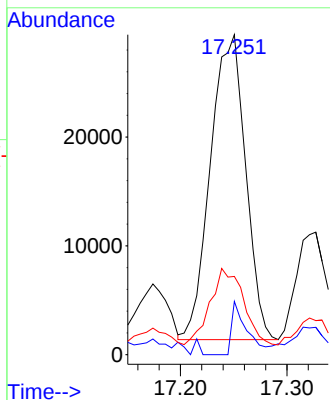
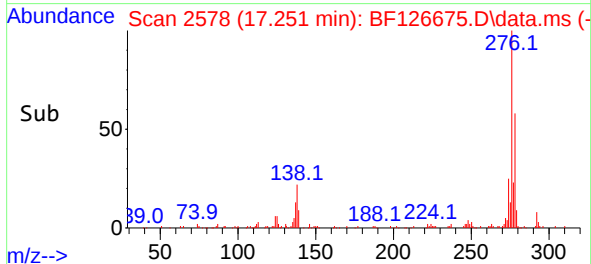
Instrument :
BNA_F
ClientSampleId :
VNJ-222



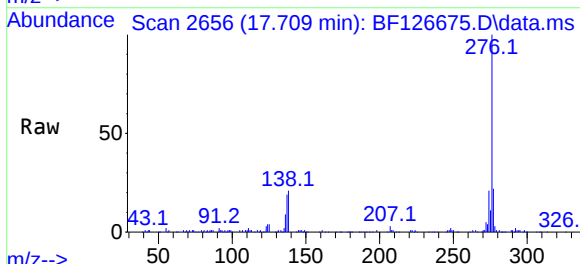
Tgt Ion: 278 Resp: 6419
Ion Ratio Lower Upper
278 100
139 16.6 18.0 27.0
279 24.4 18.6 27.8

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Supervised By : Jagrut Upadhyay 01/26/2022



#92
Benzo(g,h,i)perylene
Concen: 22.439 ng
RT: 17.709 min Scan# 2656
Delta R.T. -0.012 min
Lab File: BF126675.D
Acq: 25 Jan 2022 20:30



Tgt Ion: 276 Resp: 236670
Ion Ratio Lower Upper
276 100
277 22.3 18.5 27.7
138 20.7 25.9 38.9

