

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121522\
 Data File : BF131659.D
 Acq On : 15 Dec 2022 20:35
 Operator : CG\JU
 Sample : N6039-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ACA-CONCRETE-1213

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

Quant Time: Dec 16 01:55:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 01:44:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	72692	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	265168	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	149569	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	273770	20.000	ng	0.00
76) Chrysene-d12	14.080	240	138251	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	170086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	403451	92.592	ng	0.00
7) Phenol-d6	6.510	99	631158	110.537	ng	0.00
23) Nitrobenzene-d5	7.445	82	438732	62.553	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	100611	60.545	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	815032	68.708	ng	0.00
79) Terphenyl-d14	13.021	244	806147	79.967	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	23872	2.519	ng	92
55) Dibenzofuran	10.139	168	27015	2.017	ng	99
58) Fluorene	10.480	166	27903	2.563	ng	97
71) Phenanthrene	11.451	178	528841	34.656	ng	99
72) Anthracene	11.504	178	107729	7.256	ng	98
73) Carbazole	11.657	167	39621	3.270	ng	99
75) Fluoranthene	12.651	202	650918	41.424	ng	99
78) Pyrene	12.880	202	557291	40.880	ng	99
81) Benzo(a)anthracene	14.068	228	219174	21.953	ng	99
83) Chrysene	14.104	228	198078	20.868	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	128656	9.269	ng	98
88) Benzo(b)fluoranthene	15.139	252	261301m	23.309	ng	
89) Benzo(k)fluoranthene	15.168	252	100474m	8.587	ng	
90) Benzo(a)pyrene	15.521	252	200733	20.982	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	33699m	2.950	ng	
92) Benzo(g,h,i)perylene	17.562	276	122285	10.651	ng	# 97

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

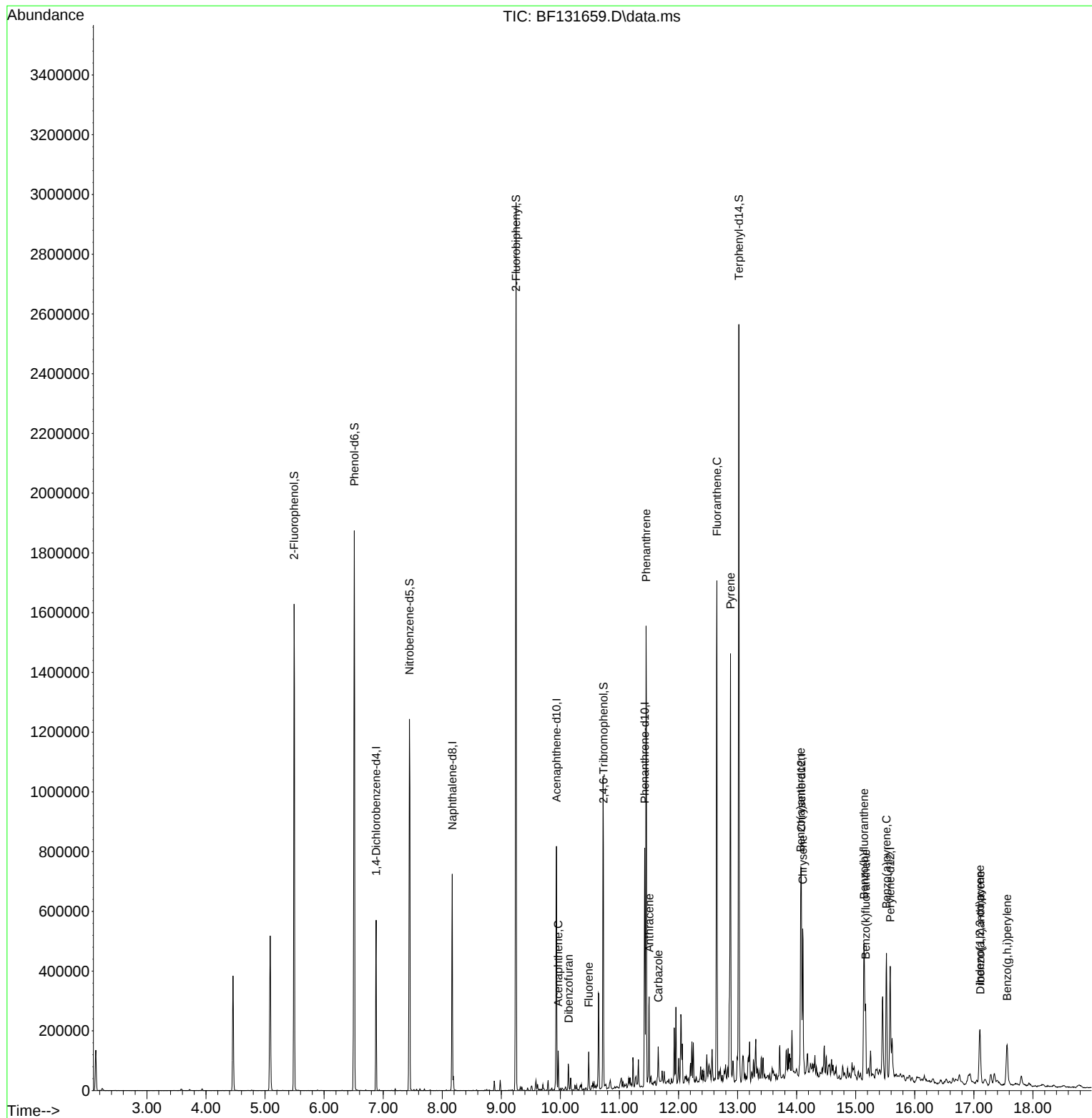
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121522\
Data File : BF131659.D
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ALS Vial : 20 Sample Multiplier: 1

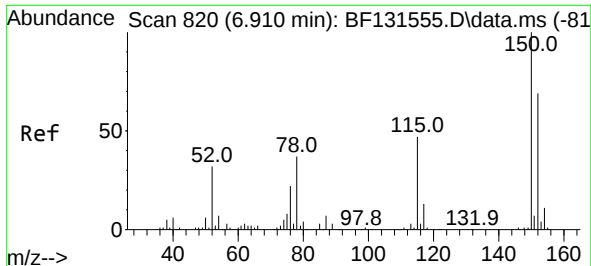
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Quant Time: Dec 16 01:55:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
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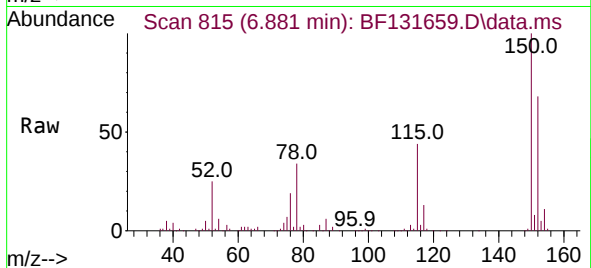
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

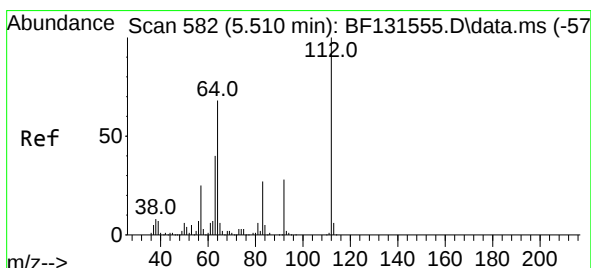
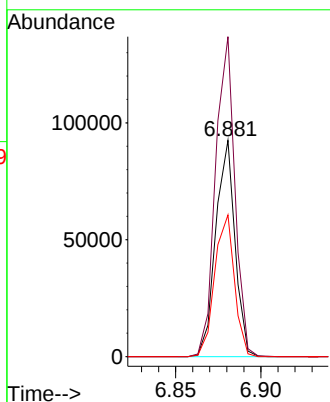
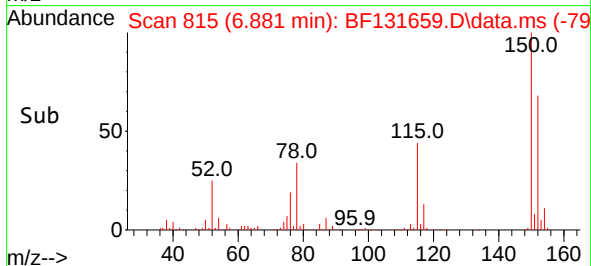
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



Tgt Ion:152 Resp: 72692
Ion Ratio Lower Upper
152 100
150 148.0 116.7 175.1
115 65.5 54.6 82.0

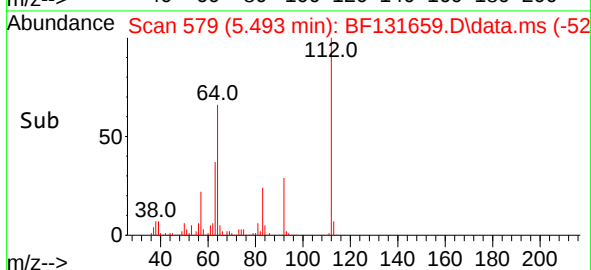
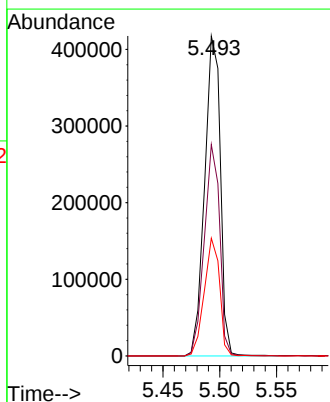
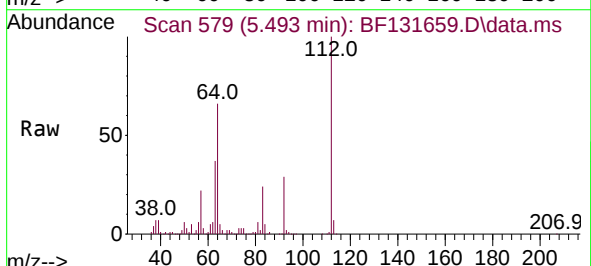
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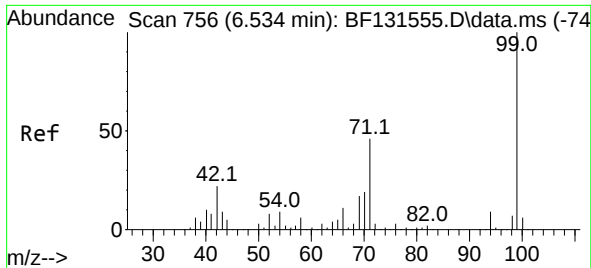
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#5
2-Fluorophenol
Concen: 92.592 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

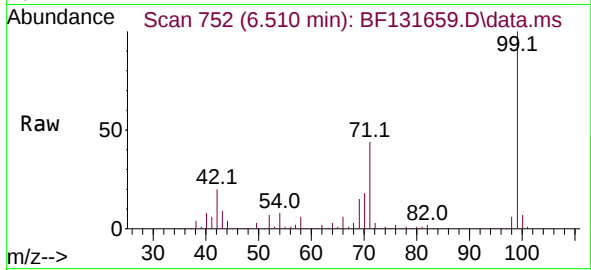
Tgt Ion:112 Resp: 403451
Ion Ratio Lower Upper
112 100
64 66.0 54.5 81.7
63 36.8 31.9 47.9





#7
Phenol-d6
Concen: 110.537 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

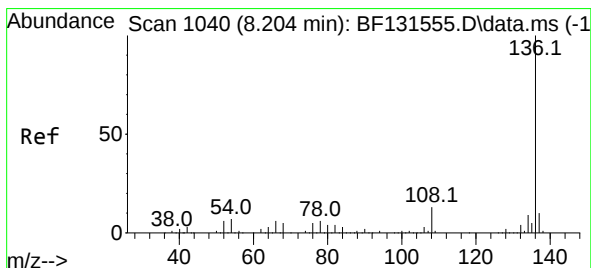
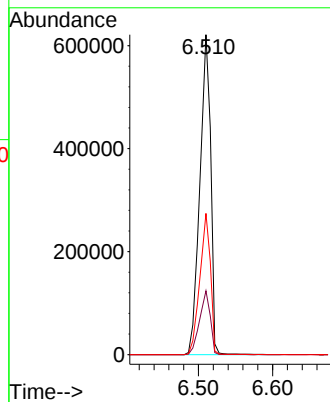
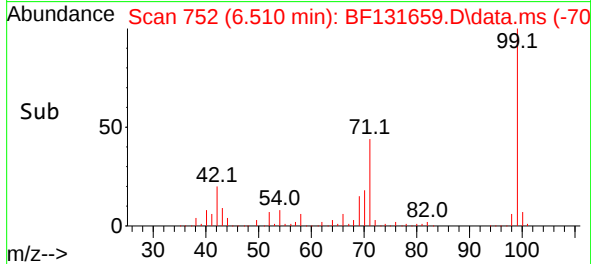
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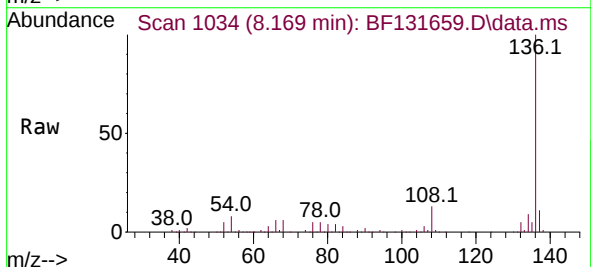
Tgt Ion: 99 Resp: 631158
Ion Ratio Lower Upper
99 100
42 19.9 17.9 26.9
71 44.1 37.2 55.8

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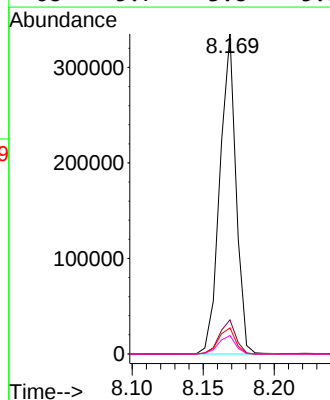
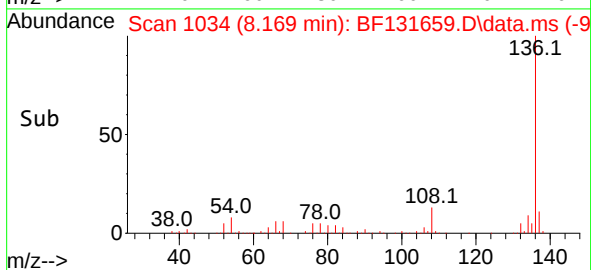
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35



Tgt Ion:136 Resp: 265168
Ion Ratio Lower Upper
136 100
137 10.6 8.1 12.1
54 8.1 6.0 9.0
68 5.7 3.8 5.8





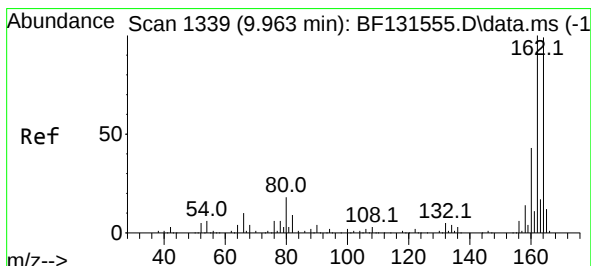
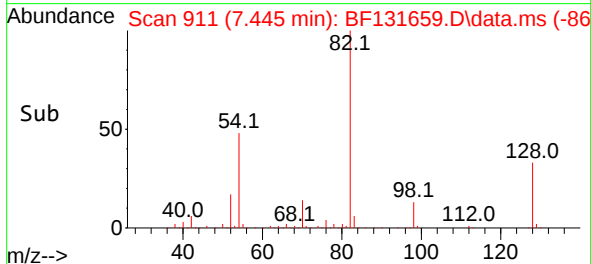
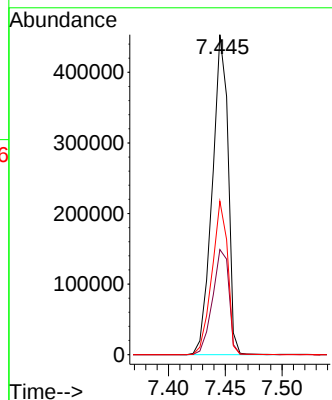
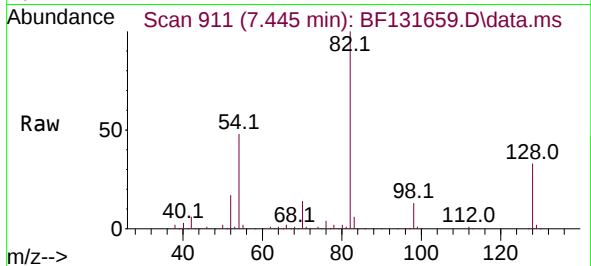
#23
Nitrobenzene-d5
Concen: 62.553 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213

Tgt Ion: 82 Resp: 438732
Ion Ratio Lower Upper
82 100
128 32.8 26.1 39.1
54 47.9 40.6 60.8

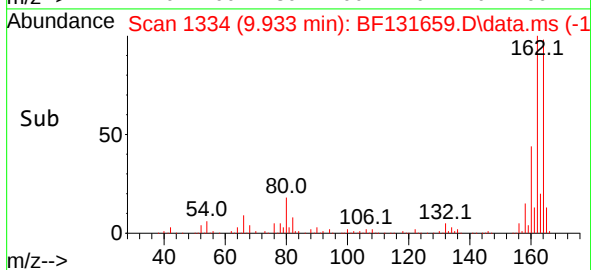
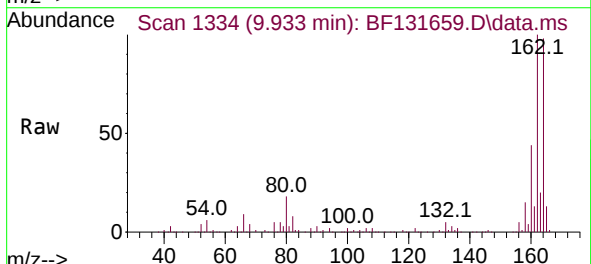
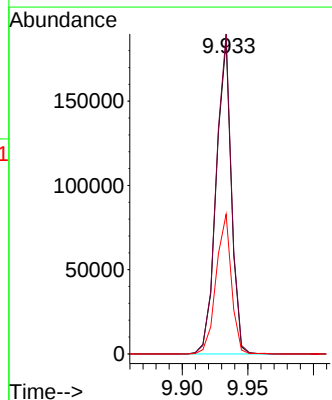
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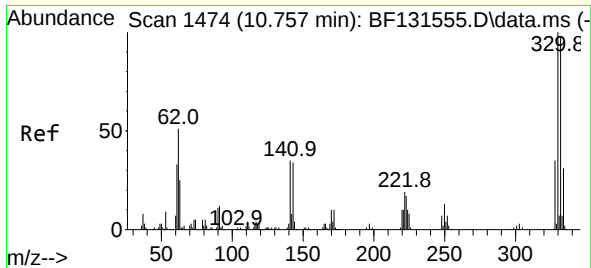
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

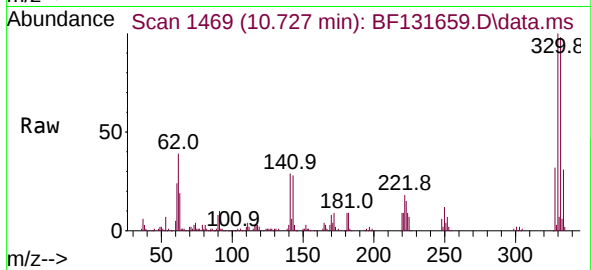
Tgt Ion:164 Resp: 149569
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.6
160 44.5 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 60.545 ng
RT: 10.727 min Scan# 1474
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

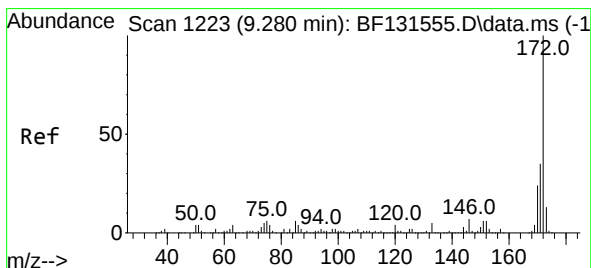
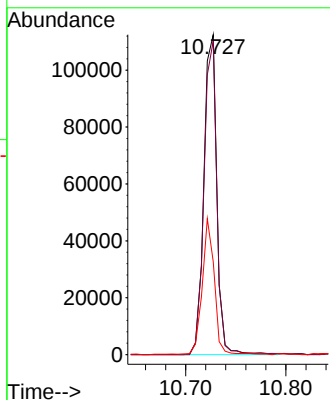
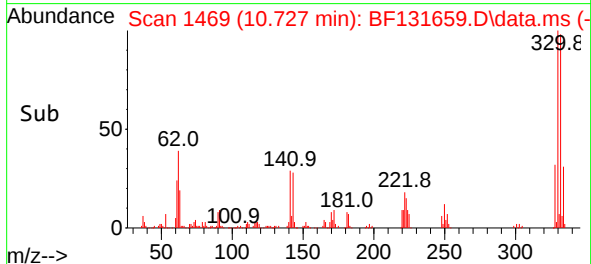
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



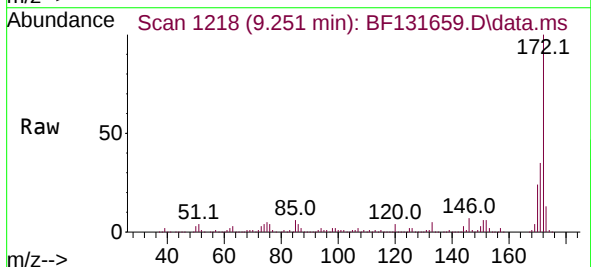
Tgt Ion: 330 Resp: 100611
Ion Ratio Lower Upper
330 100
332 97.7 78.3 117.5
141 40.0 32.6 49.0

Manual Integrations
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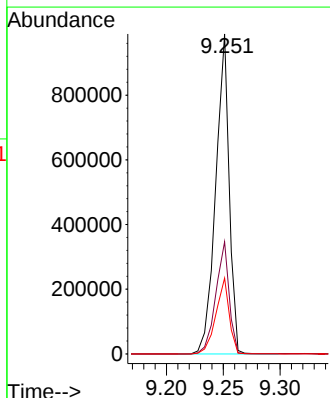
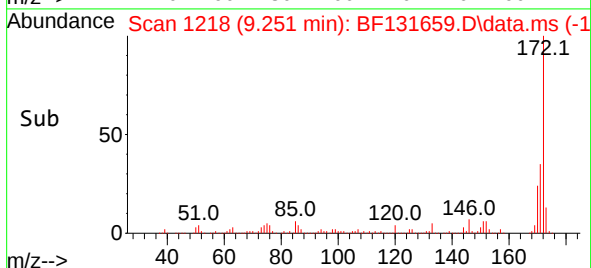
Reviewed By : Jagrut Upadhyay 12/16/2022
Supervised By : mohammad ahmed 12/17/2022

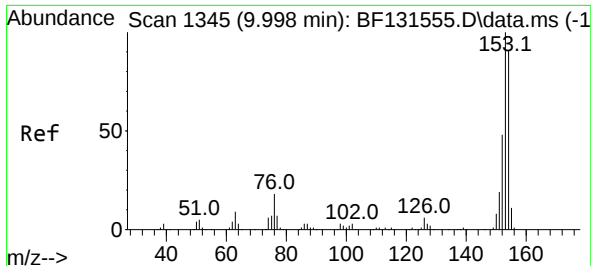


#45
2-Fluorobiphenyl
Concen: 68.708 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35



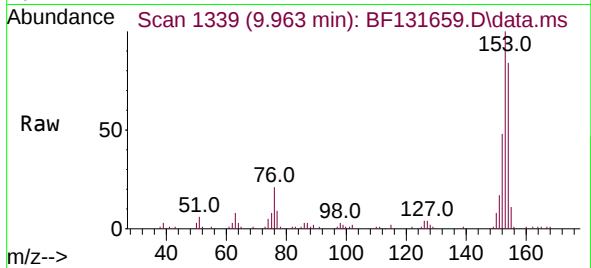
Tgt Ion: 172 Resp: 815032
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.7 19.3 28.9





#52
Acenaphthene
Concen: 2.519 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

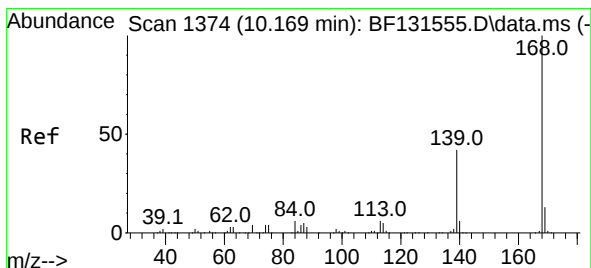
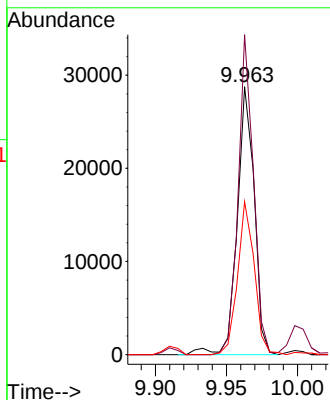
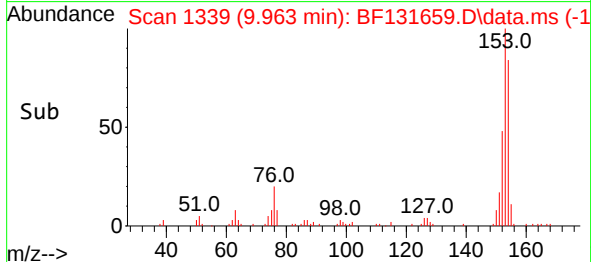
Instrument : BNA_F
ClientSampleId : ACA-CONCRETE-1213



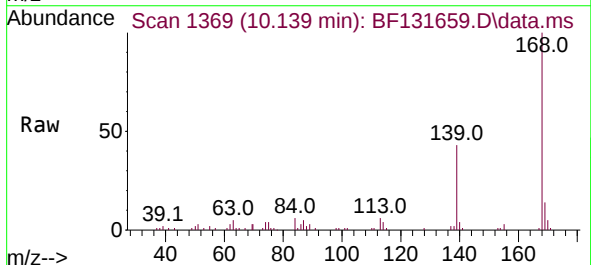
Tgt Ion:154 Resp: 23872
Ion Ratio Lower Upper
154 100
153 119.4 87.9 131.9
152 57.1 42.4 63.6

Manual Integrations
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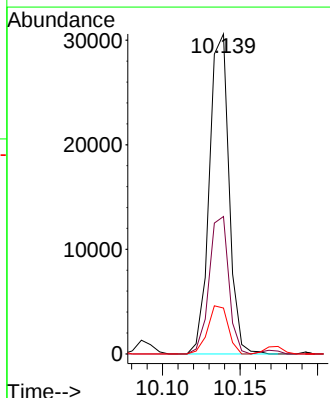
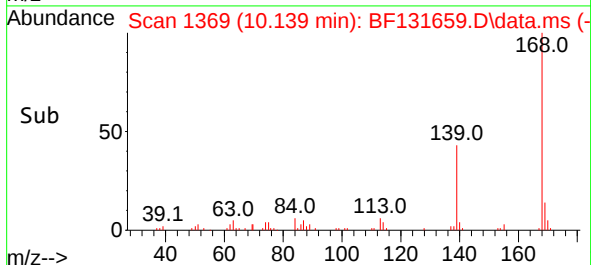
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

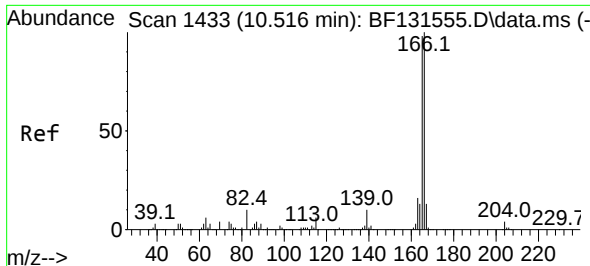


#55
Dibenzofuran
Concen: 2.017 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35



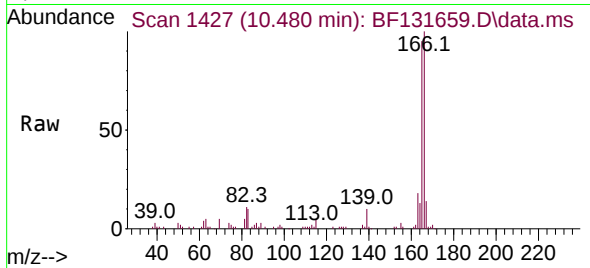
Tgt Ion:168 Resp: 27015
Ion Ratio Lower Upper
168 100
139 42.9 33.9 50.9
169 14.3 10.7 16.1





#58
Fluorene
Concen: 2.563 ng
RT: 10.480 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

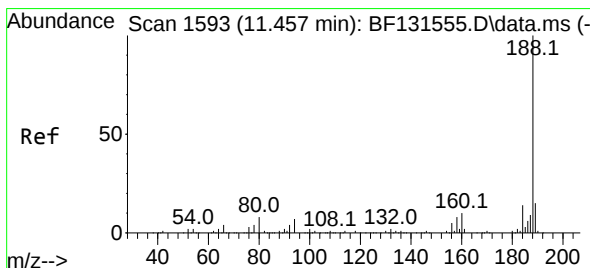
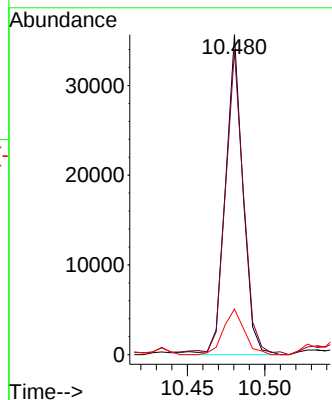
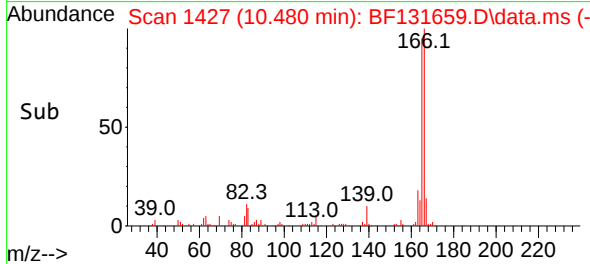
Instrument :
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ACA-CONCRETE-1213



Tgt Ion:166 Resp: 27903
Ion Ratio Lower Upper
166 100
165 95.1 78.4 117.6
167 14.2 10.7 16.1

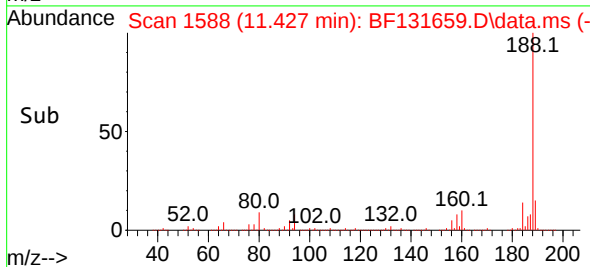
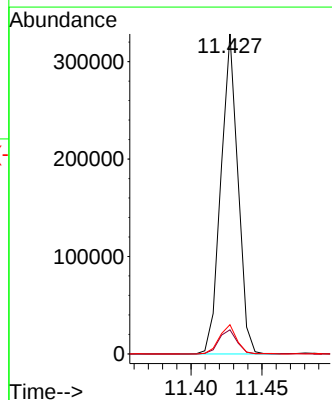
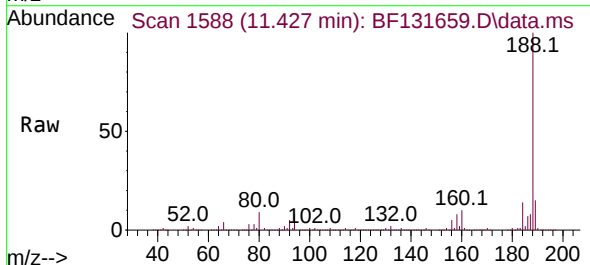
Manual Integrations
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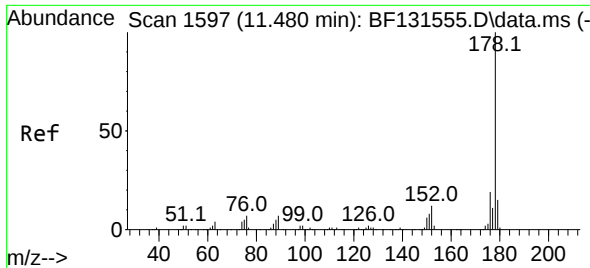
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

Tgt Ion:188 Resp: 273770
Ion Ratio Lower Upper
188 100
94 7.5 5.5 8.3
80 9.1 6.6 10.0





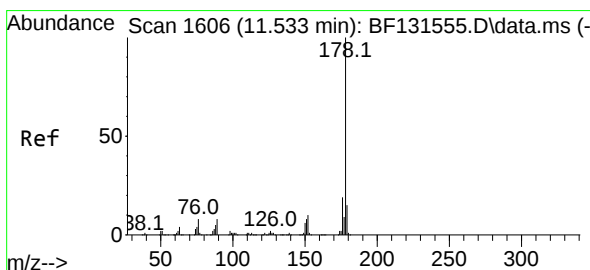
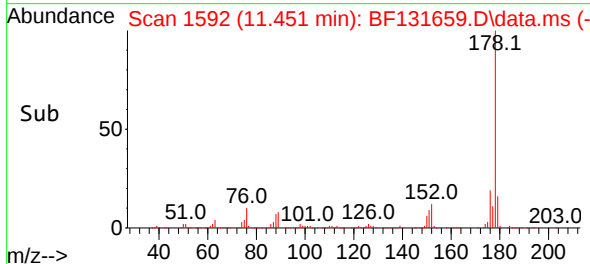
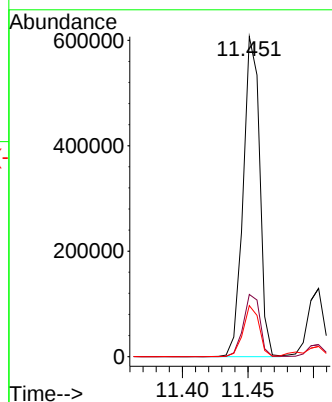
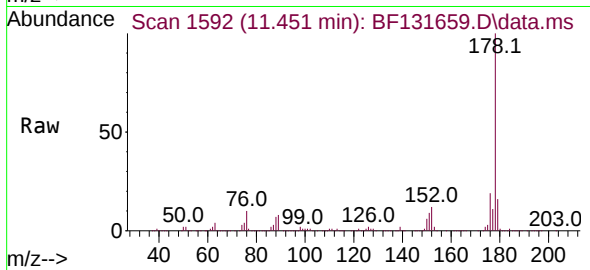
#71
Phenanthrene
Concen: 34.656 ng
RT: 11.451 min Scan# 11451
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213

Tgt Ion:178 Resp: 52884
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 16.0 12.2 18.4

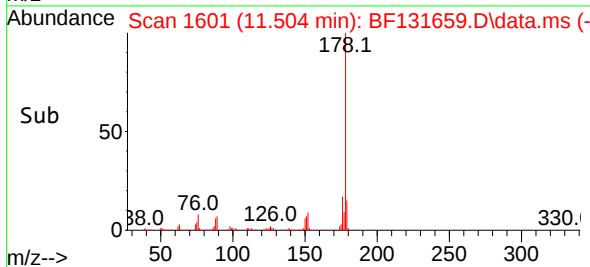
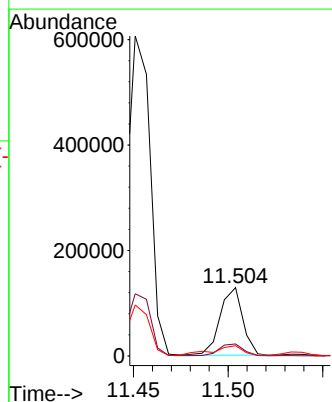
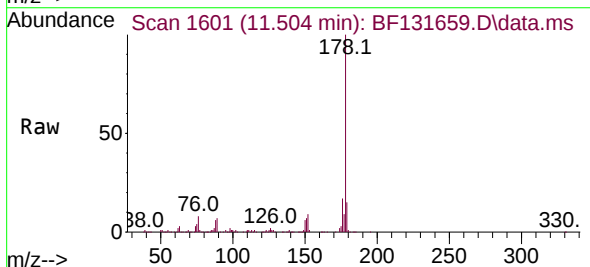
Manual Integrations
APPROVED

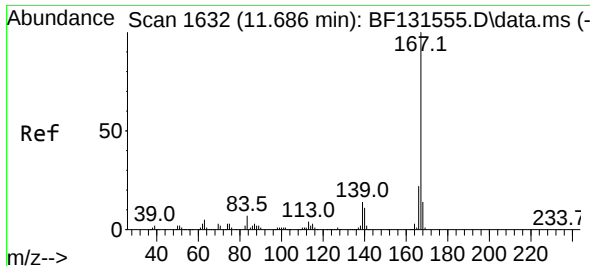
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#72
Anthracene
Concen: 7.256 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

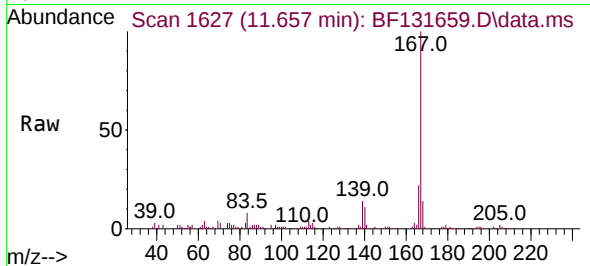
Tgt Ion:178 Resp: 107729
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 14.9 12.3 18.5





#73
 Carbazole
 Concen: 3.270 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. -0.006 min
 Lab File: BF131659.D
 Acq: 15 Dec 2022 20:35

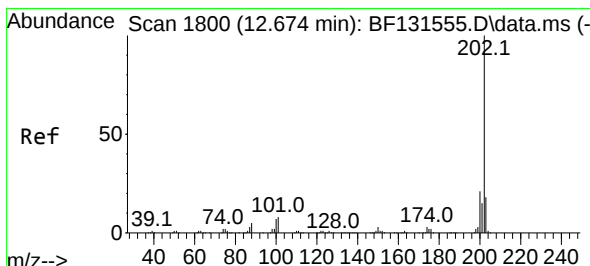
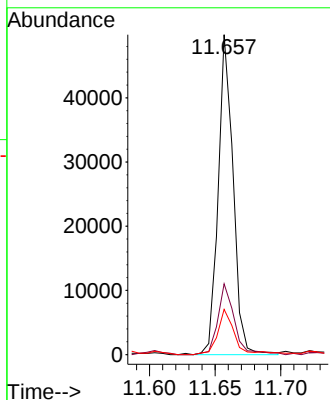
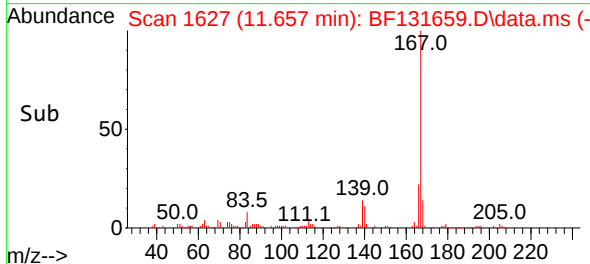
Instrument :
 BNA_F
 ClientSampleId :
 ACA-CONCRETE-1213



Tgt Ion:167 Resp: 39621
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 14.1 11.0 16.4

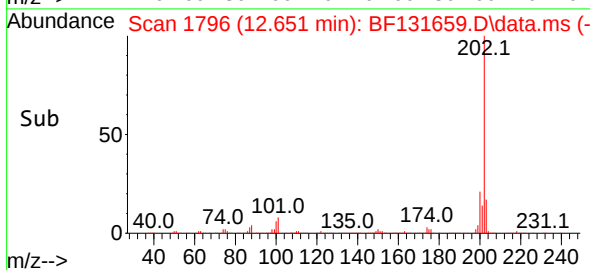
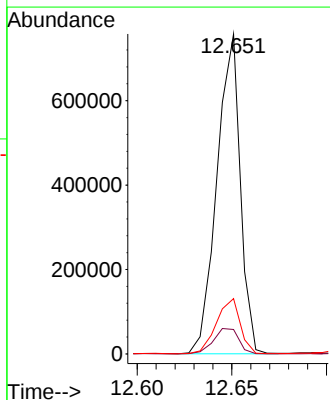
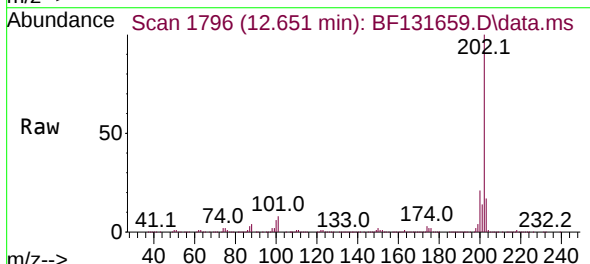
Manual Integrations
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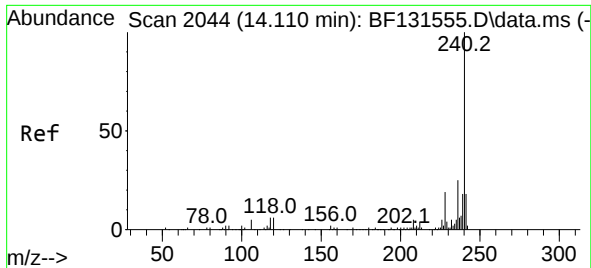
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022



#75
 Fluoranthene
 Concen: 41.424 ng
 RT: 12.651 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: BF131659.D
 Acq: 15 Dec 2022 20:35

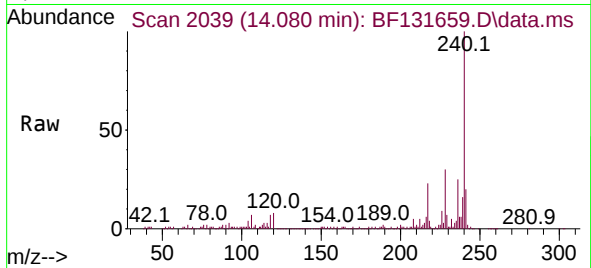
Tgt Ion:202 Resp: 650918
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 27.7
 203 17.3 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

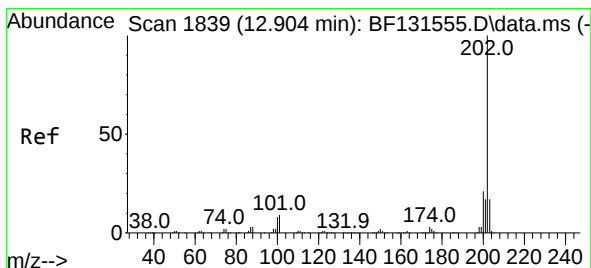
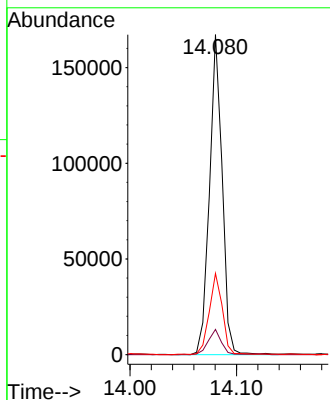
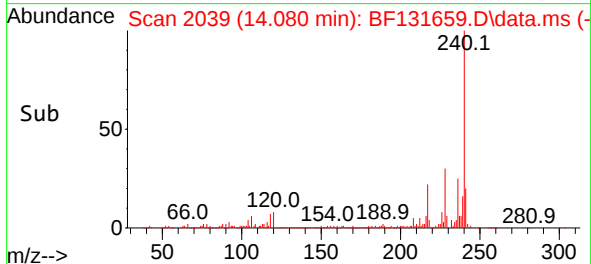
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



Tgt Ion:240 Resp: 138251
Ion Ratio Lower Upper
240 100
120 7.9 4.6 7.0
236 25.4 20.2 30.2

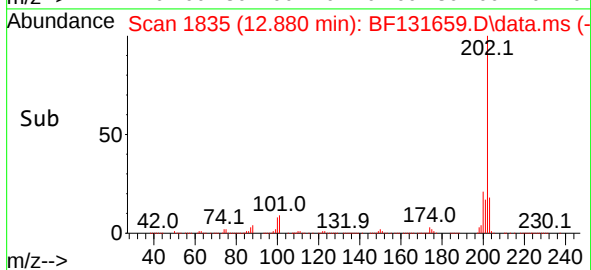
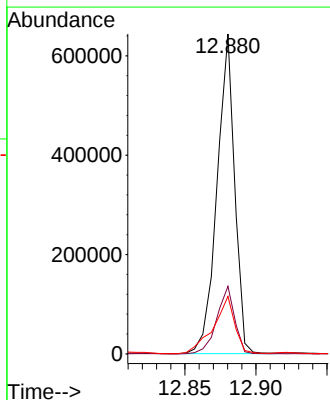
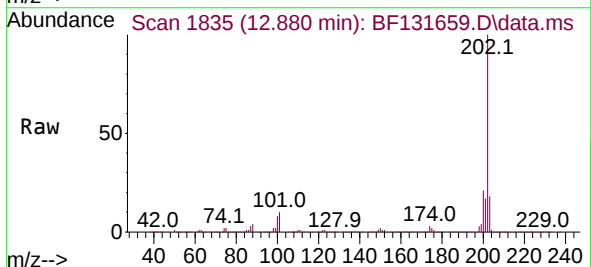
Manual Integrations
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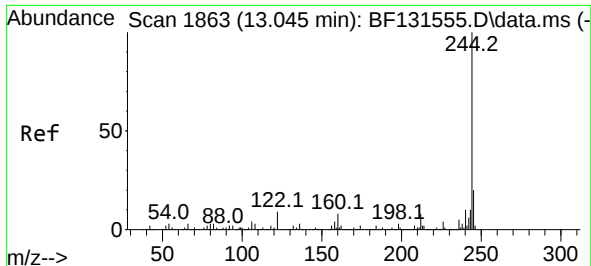
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#78
Pyrene
Concen: 40.880 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

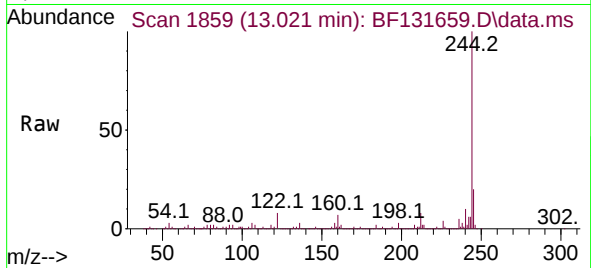
Tgt Ion:202 Resp: 557291
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.0 13.8 20.6





#79
 Terphenyl-d14
 Concen: 79.967 ng
 RT: 13.021 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: BF131659.D
 Acq: 15 Dec 2022 20:35

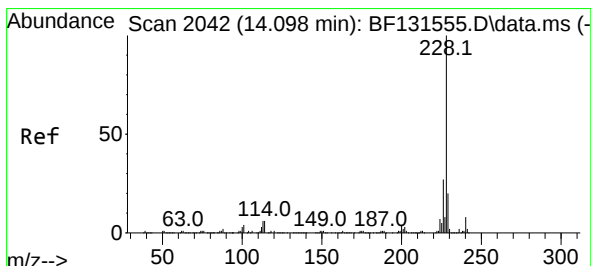
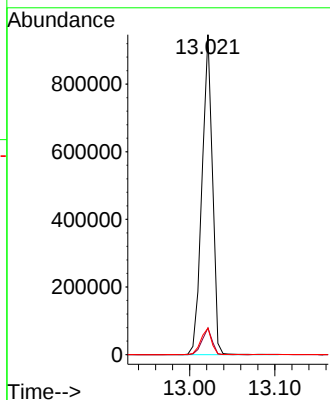
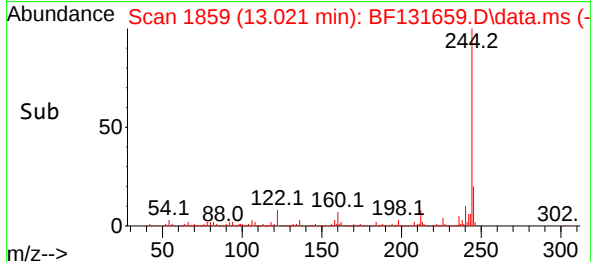
Instrument :
 BNA_F
 ClientSampleId :
 ACA-CONCRETE-1213



Tgt Ion:244 Resp: 806147
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 8.3 7.1 10.7

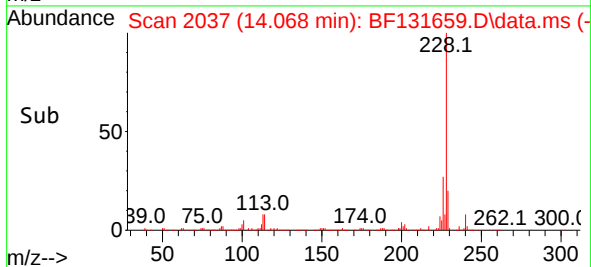
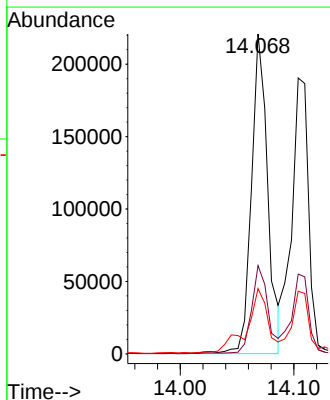
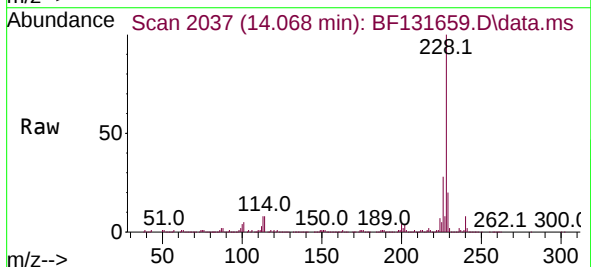
Manual Integrations
 APPROVED

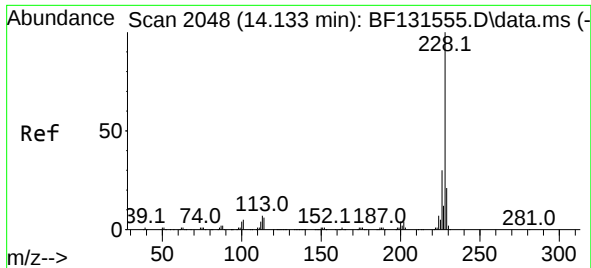
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022



#81
 Benzo(a)anthracene
 Concen: 21.953 ng
 RT: 14.068 min Scan# 2037
 Delta R.T. 0.000 min
 Lab File: BF131659.D
 Acq: 15 Dec 2022 20:35

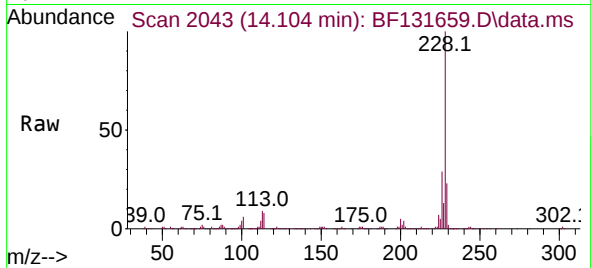
Tgt Ion:228 Resp: 219174
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.5 32.3
 229 20.4 15.8 23.6





#83
Chrysene
Concen: 20.868 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

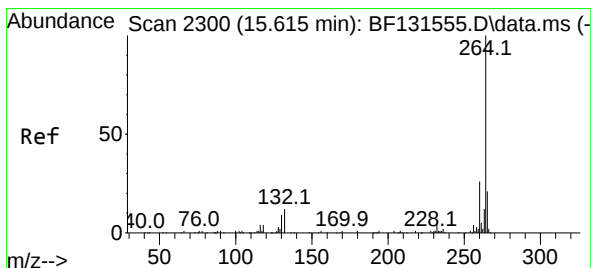
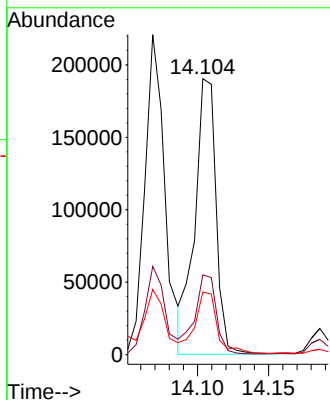
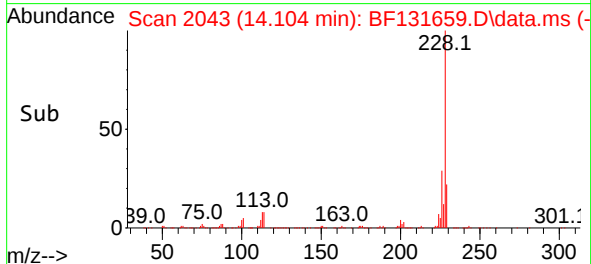
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



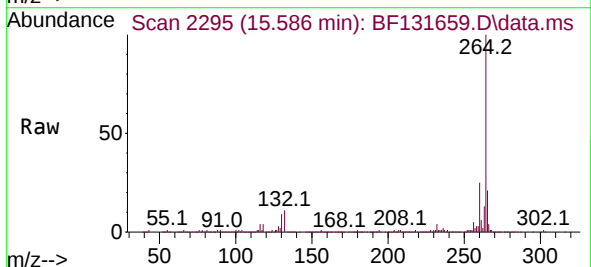
Tgt Ion:228 Resp: 198078
Ion Ratio Lower Upper
228 100
226 28.9 23.9 35.9
229 22.7 16.7 25.1

Manual Integrations
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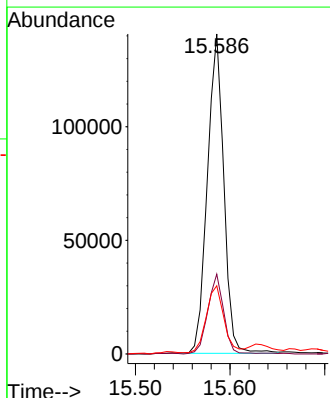
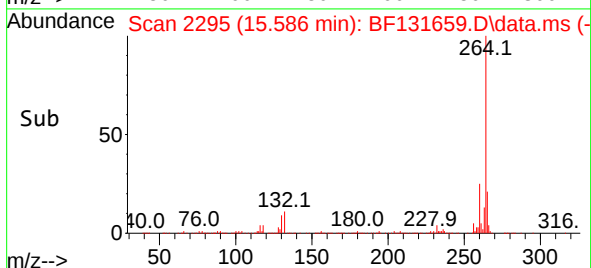
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

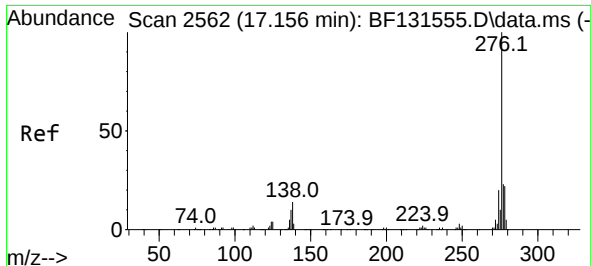


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35



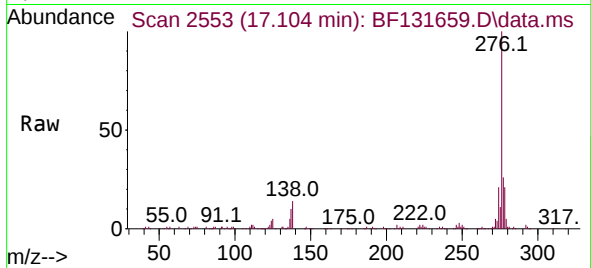
Tgt Ion:264 Resp: 170086
Ion Ratio Lower Upper
264 100
260 24.9 20.6 30.8
265 21.3 16.8 25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.269 ng
RT: 17.104 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

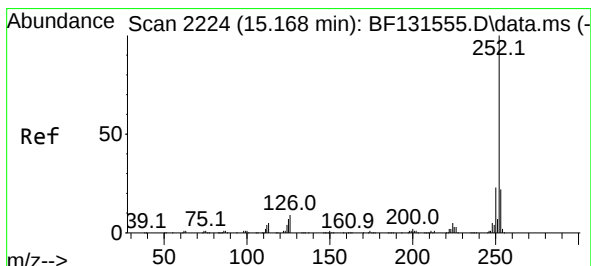
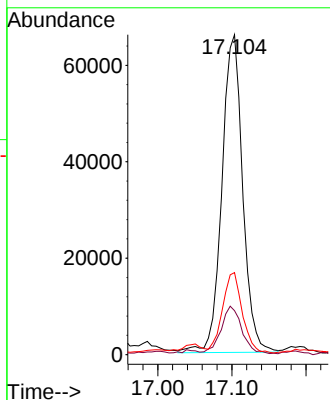
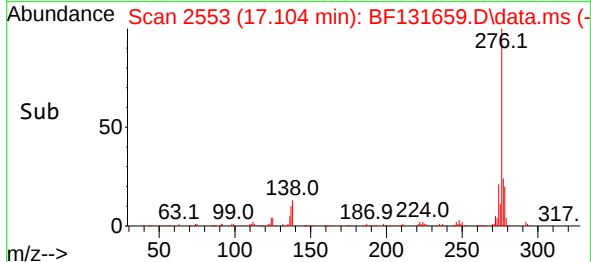
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



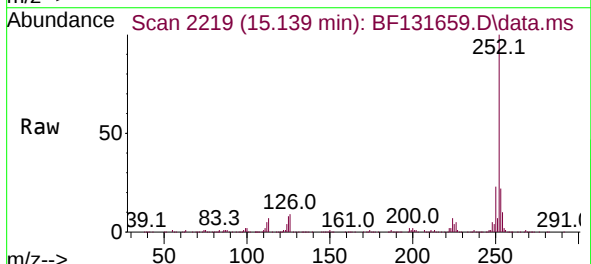
Tgt Ion:276 Resp: 128656
Ion Ratio Lower Upper
276 100
138 14.9 12.7 19.1
277 24.0 20.0 30.0

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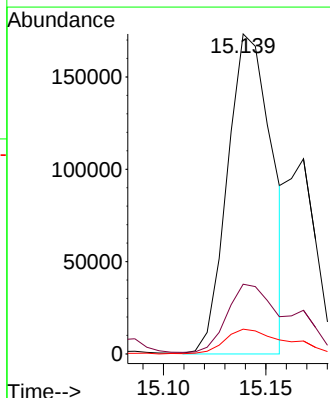
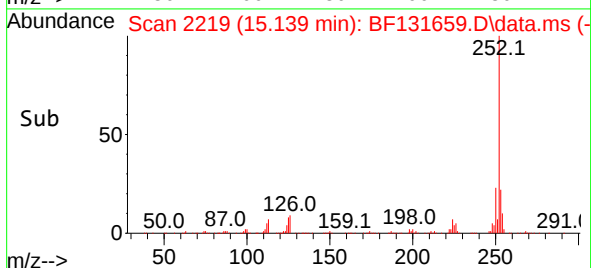
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

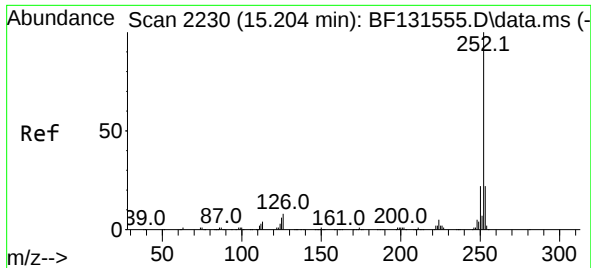


#88
Benzo(b)fluoranthene
Concen: 23.309 ng m
RT: 15.139 min Scan# 2219
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35



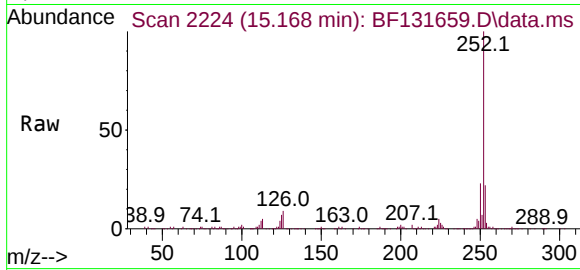
Tgt Ion:252 Resp: 261301
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 7.7 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 8.587 ng m
RT: 15.168 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

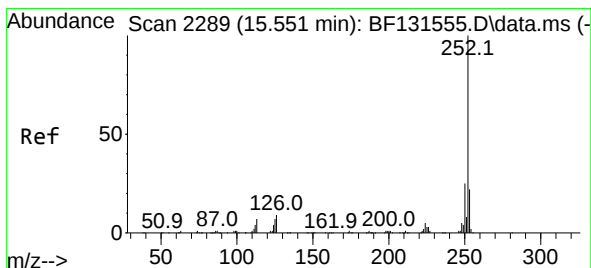
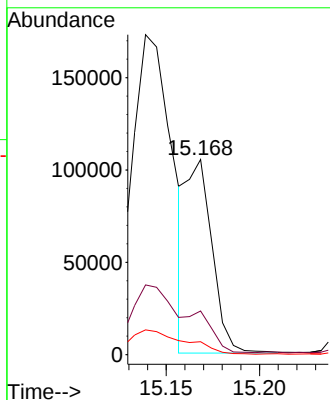
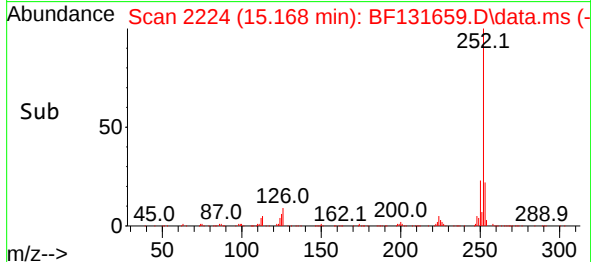
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



Tgt Ion:252 Resp: 100474
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 6.6 4.9 7.3

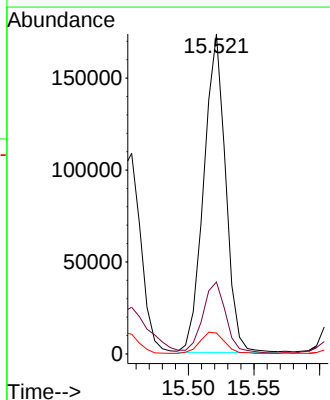
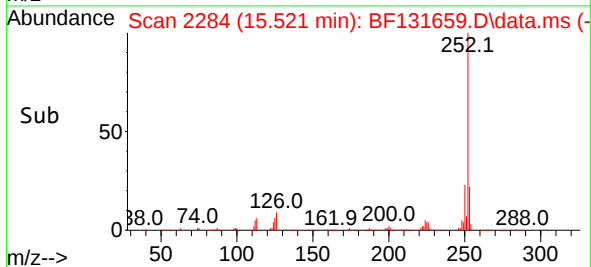
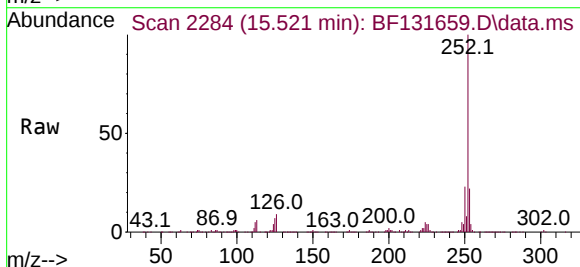
Manual Integrations
APPROVED

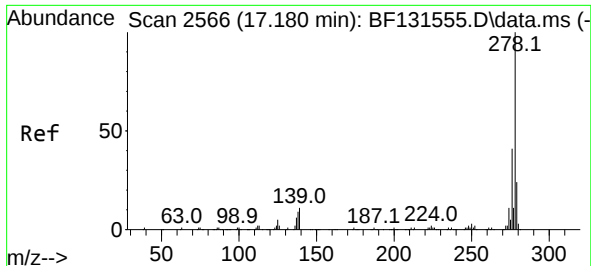
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#90
Benzo(a)pyrene
Concen: 20.982 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

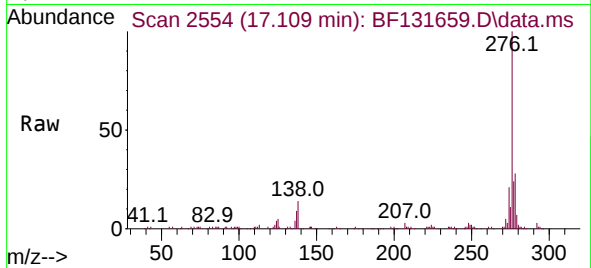
Tgt Ion:252 Resp: 200733
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 6.5 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 2.950 ng m
RT: 17.109 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35

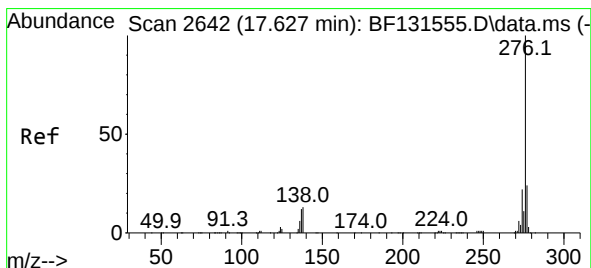
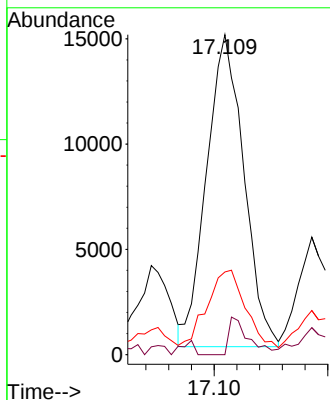
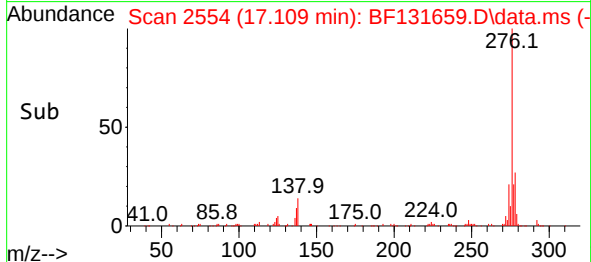
Instrument :
BNA_F
ClientSampleId :
ACA-CONCRETE-1213



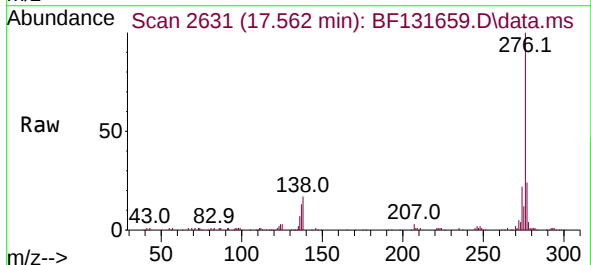
Tgt Ion:278 Resp: 33699
Ion Ratio Lower Upper
278 100
139 0.0 8.9 13.3
279 25.8 19.0 28.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#92
Benzo(g,h,i)perylene
Concen: 10.651 ng
RT: 17.562 min Scan# 2631
Delta R.T. -0.012 min
Lab File: BF131659.D
Acq: 15 Dec 2022 20:35



Tgt Ion:276 Resp: 122285
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 16.6 10.7 16.1#

