

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
 Data File : BF131627.D
 Acq On : 13 Dec 2022 23:03
 Operator : CG\JU
 Sample : N5964-05DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-518-COMP-03DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/14/2022
 Supervised By :mohammad ahmed 12/14/2022

Quant Time: Dec 14 03:36:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 03:22:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	64917	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	227312	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	126051	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	216374	20.000	ng	0.00
76) Chrysene-d12	14.086	240	153490	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	152423	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	87480	22.481	ng	0.00
7) Phenol-d6	6.510	99	115730	22.696	ng	-0.01
23) Nitrobenzene-d5	7.445	82	77305	12.857	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	22746	16.242	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	125690	12.573	ng	0.00
79) Terphenyl-d14	13.022	244	108558	9.699	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.792	152	33995	2.851	ng	96
71) Phenanthrene	11.451	178	136987	11.358	ng	99
72) Anthracene	11.504	178	38248	3.260	ng	98
75) Fluoranthene	12.651	202	366544	29.515	ng	99
78) Pyrene	12.880	202	416235	27.502	ng	100
81) Benzo(a)anthracene	14.074	228	266925	24.081	ng	95
83) Chrysene	14.110	228	246431	23.385	ng	99
87) Indeno(1,2,3-cd)pyrene	17.115	276	144032	11.579	ng	98
88) Benzo(b)fluoranthene	15.151	252	362239m	36.058	ng	
89) Benzo(k)fluoranthene	15.174	252	106420m	10.149	ng	
90) Benzo(a)pyrene	15.533	252	278661	32.503	ng	100
91) Dibenzo(a,h)anthracene	17.127	278	35697m	3.487	ng	
92) Benzo(g,h,i)perylene	17.574	276	146880	14.275	ng	99

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

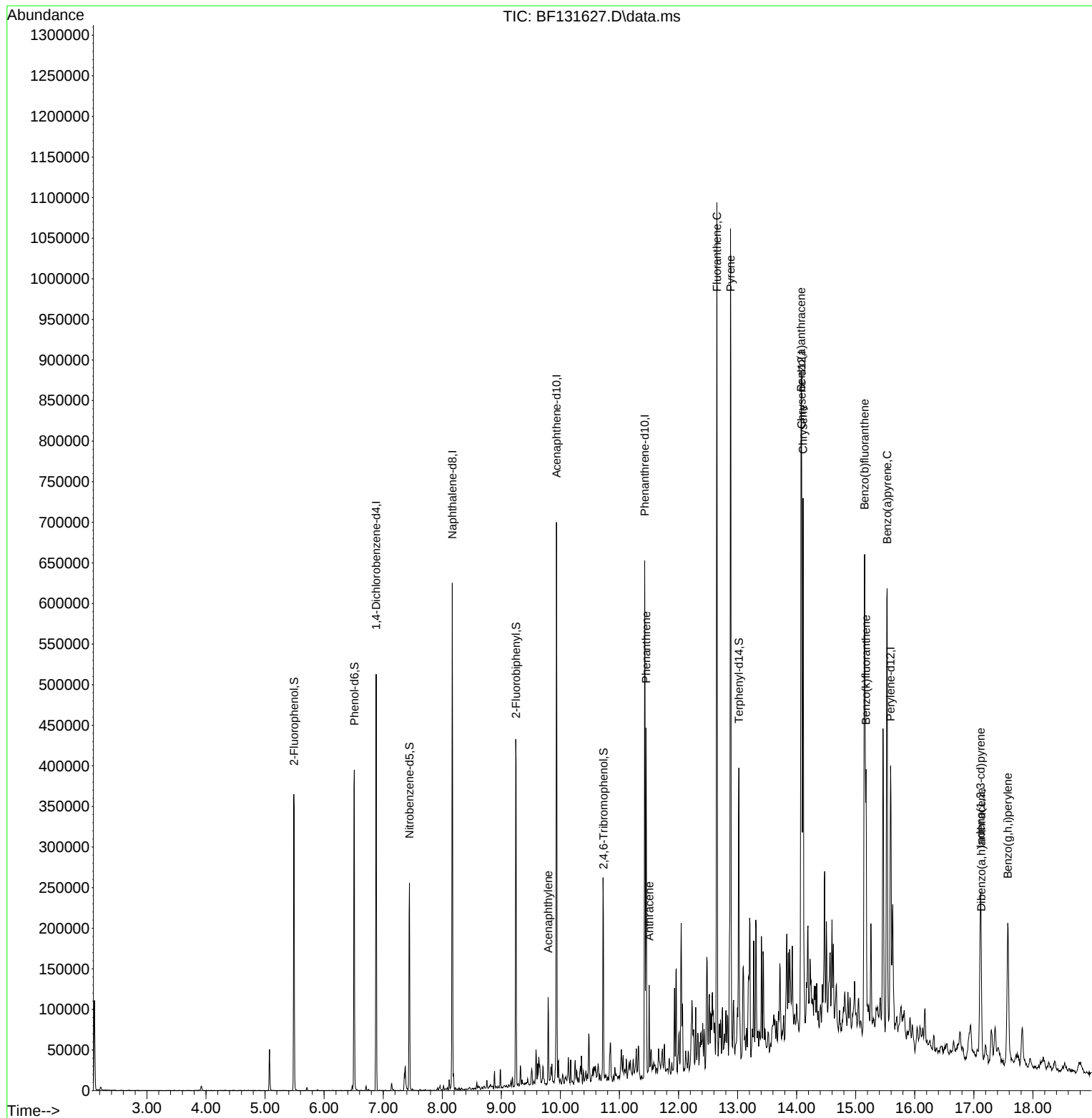
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
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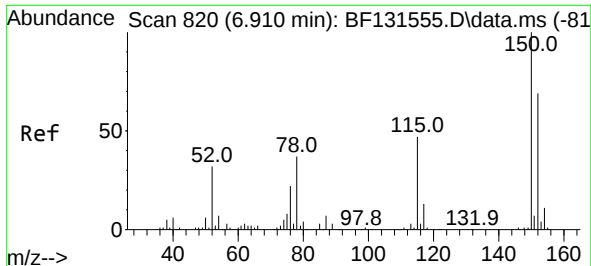
Instrument :
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Quant Time: Dec 14 03:36:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 03:22:29 2022
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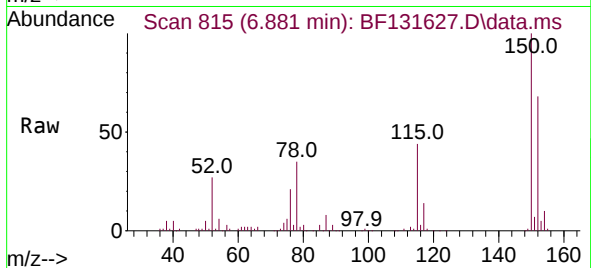
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

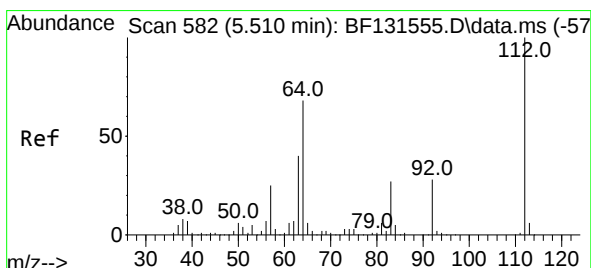
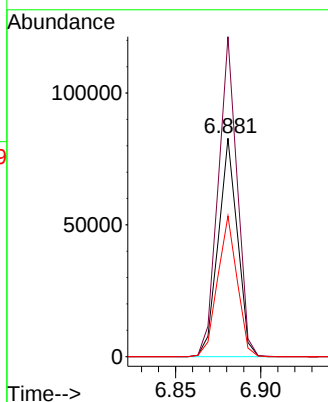
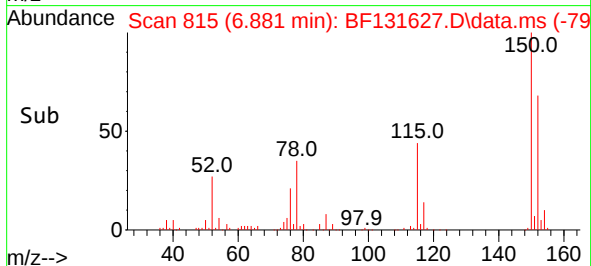
Instrument :
BNA_F
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SU-518-COMP-03DL



Tgt Ion:152 Resp: 64917
Ion Ratio Lower Upper
152 100
150 146.5 116.7 175.1
115 64.5 54.6 82.0

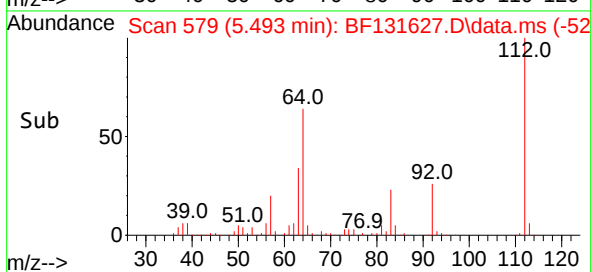
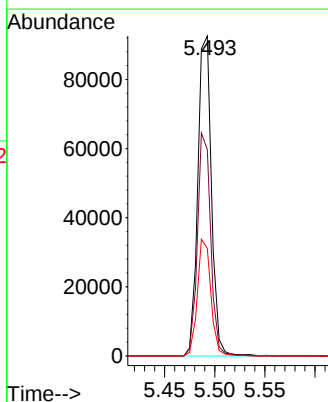
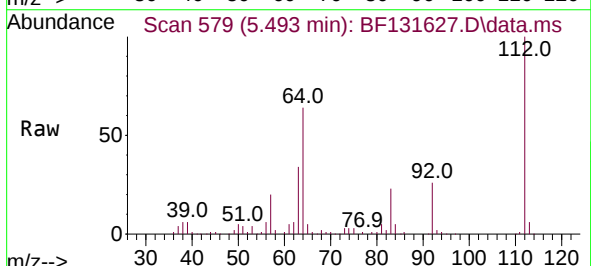
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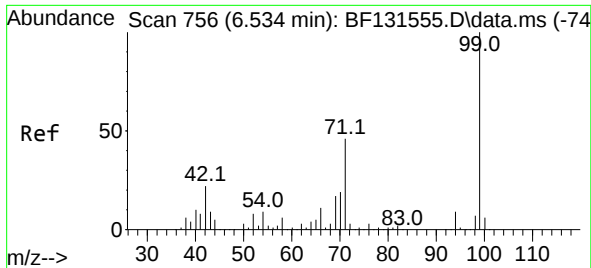
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#5
2-Fluorophenol
Concen: 22.481 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Tgt Ion:112 Resp: 87480
Ion Ratio Lower Upper
112 100
64 64.5 54.5 81.7
63 33.6 31.9 47.9





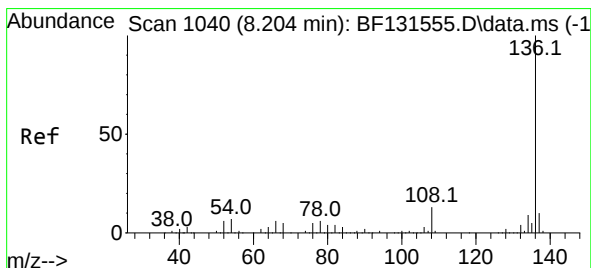
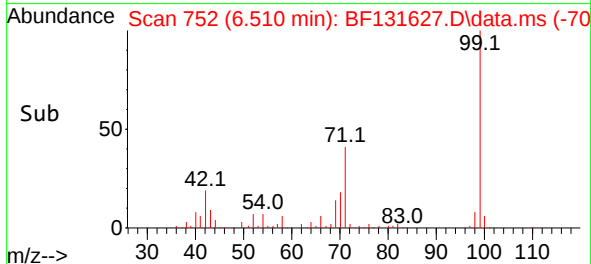
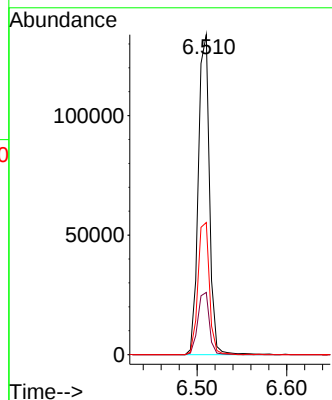
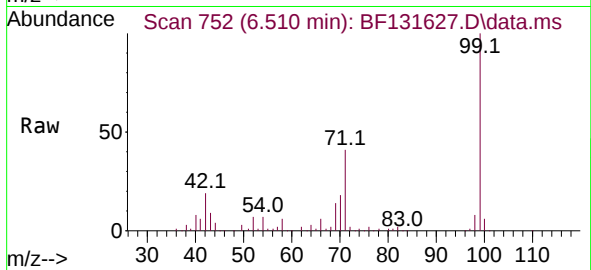
#7
Phenol-d6
Concen: 22.696 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

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BNA_F
ClientSampleId :
SU-518-COMP-03DL

Tgt Ion: 99 Resp: 115730
Ion Ratio Lower Upper
99 100
42 19.4 17.9 26.9
71 41.3 37.2 55.8

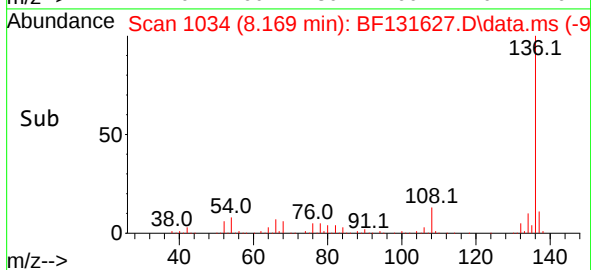
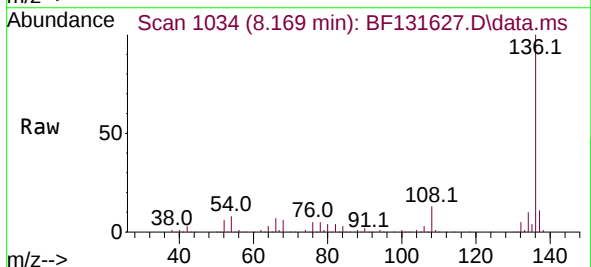
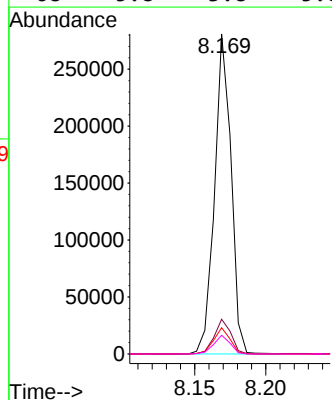
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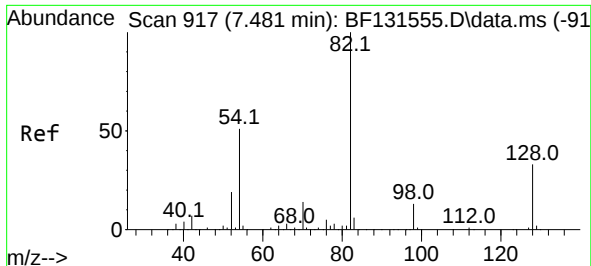
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Tgt Ion:136 Resp: 227312
Ion Ratio Lower Upper
136 100
137 10.8 8.1 12.1
54 8.2 6.0 9.0
68 5.8 3.8 5.8#





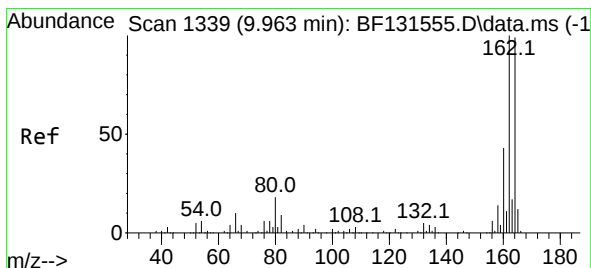
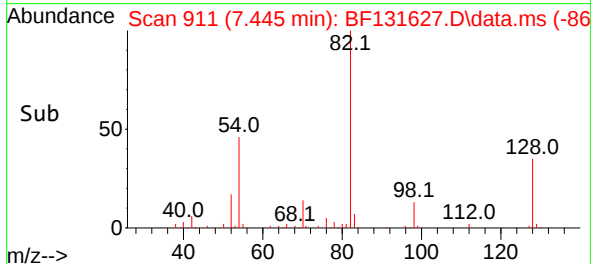
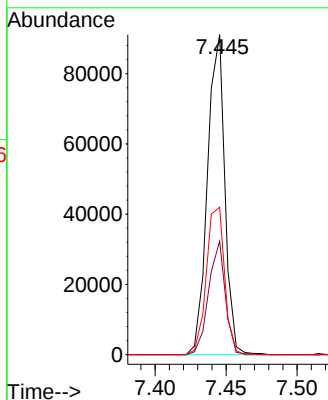
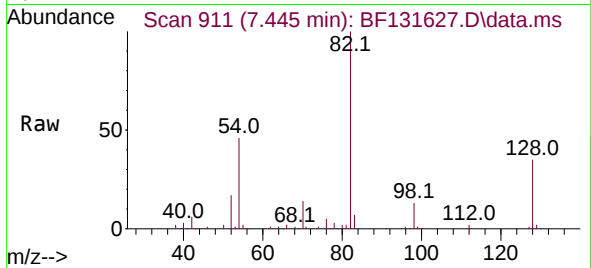
#23
Nitrobenzene-d5
Concen: 12.857 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Instrument :
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ClientSampleId :
SU-518-COMP-03DL

Tgt Ion: 82 Resp: 77305
Ion Ratio Lower Upper
82 100
128 35.4 26.1 39.1
54 46.1 40.6 60.8

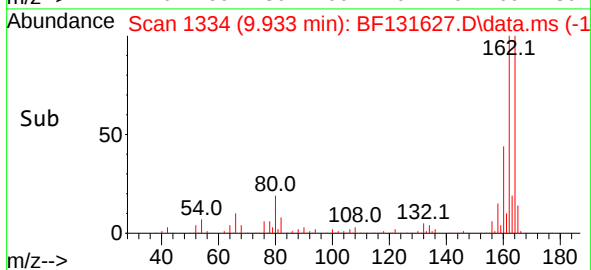
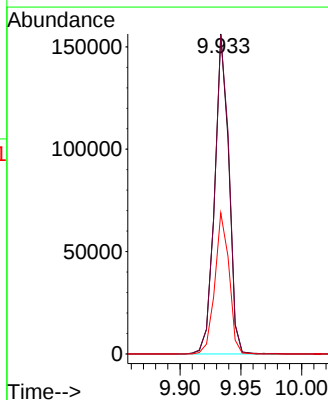
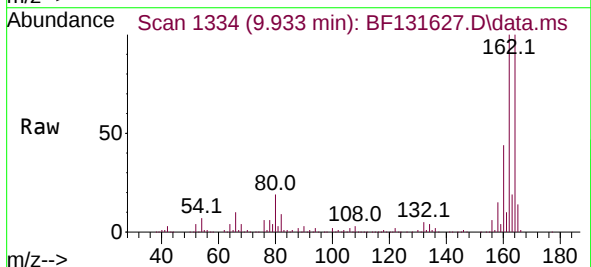
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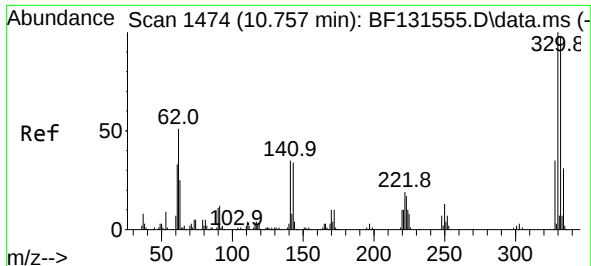
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

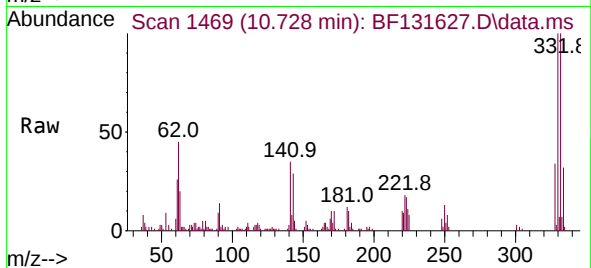
Tgt Ion:164 Resp: 126051
Ion Ratio Lower Upper
164 100
162 99.6 81.0 121.6
160 44.1 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 16.242 ng
RT: 10.728 min Scan# 1474
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

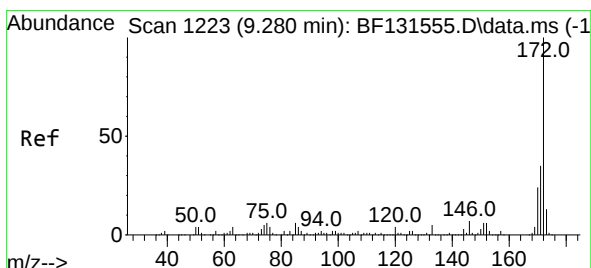
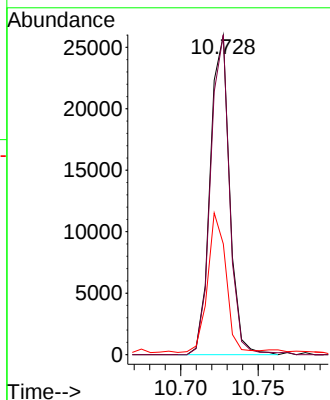
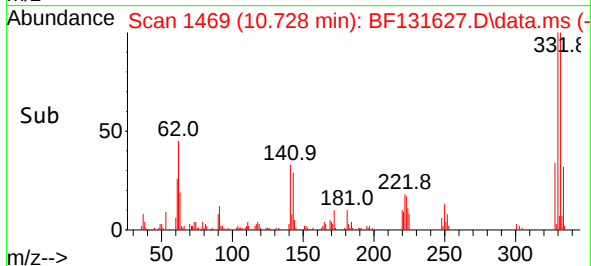
Instrument :
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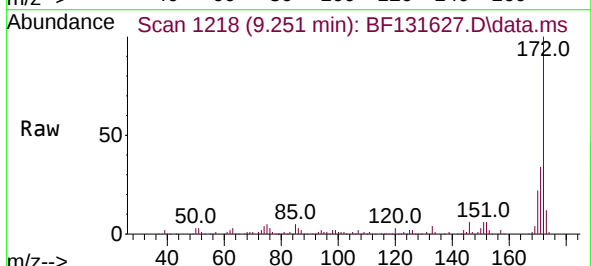
Tgt Ion: 330 Resp: 22746
Ion Ratio Lower Upper
330 100
332 97.6 78.3 117.5
141 41.1 32.6 49.0

Manual Integrations
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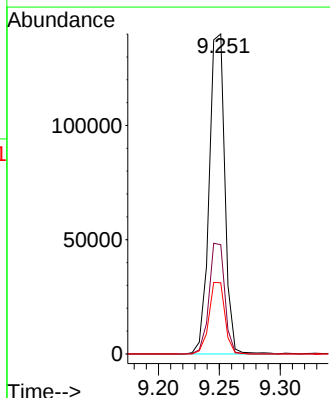
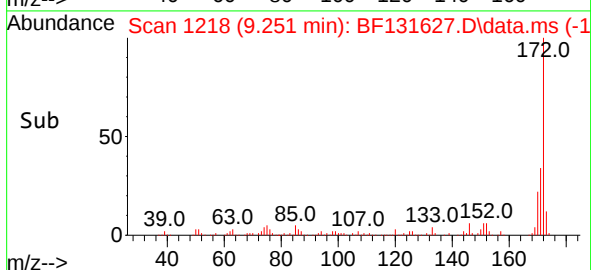
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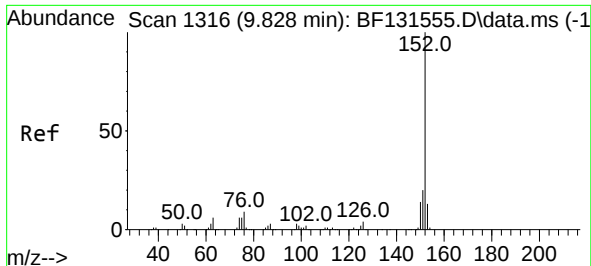


#45
2-Fluorobiphenyl
Concen: 12.573 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03



Tgt Ion: 172 Resp: 125690
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 22.2 19.3 28.9





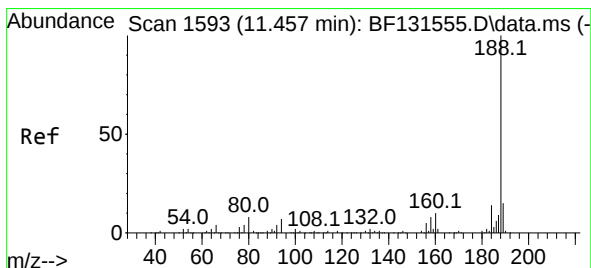
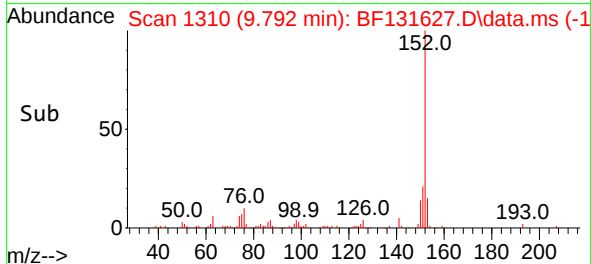
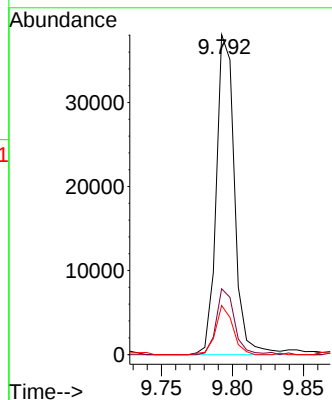
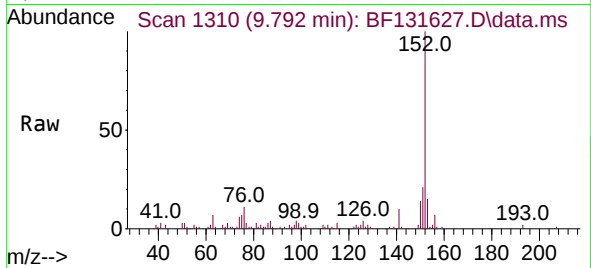
#49
Acenaphthylene
Concen: 2.851 ng
RT: 9.792 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03DL

Tgt Ion:152 Resp: 33995
Ion Ratio Lower Upper
152 100
151 20.6 15.6 23.4
153 15.3 10.4 15.6

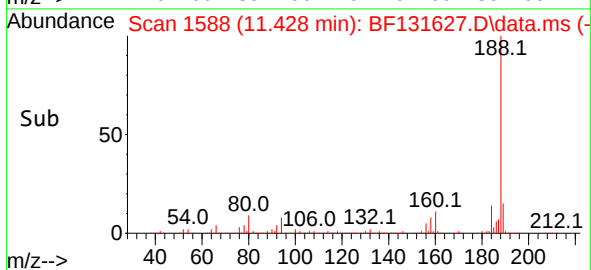
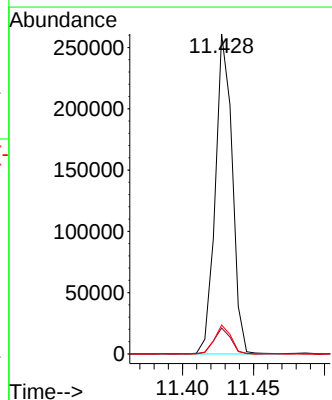
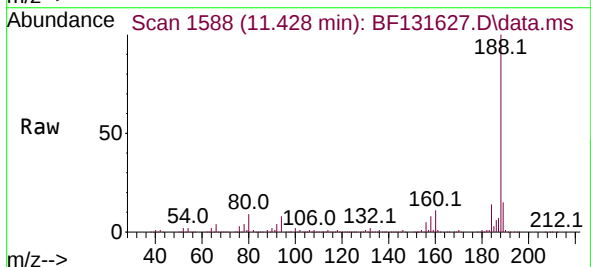
Manual Integrations
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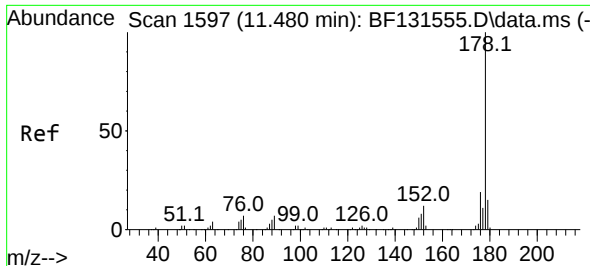
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

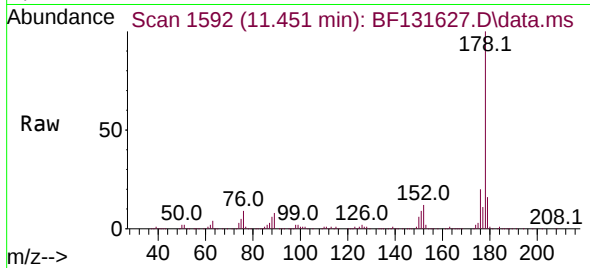
Tgt Ion:188 Resp: 216374
Ion Ratio Lower Upper
188 100
94 8.1 5.5 8.3
80 9.0 6.6 10.0





#71
Phenanthrene
Concen: 11.358 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

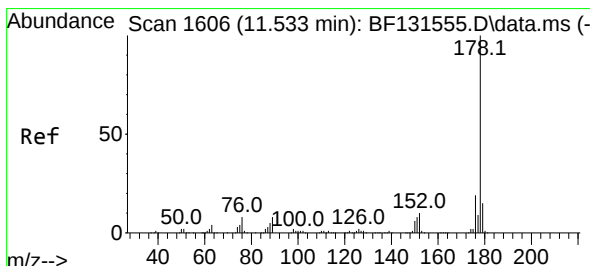
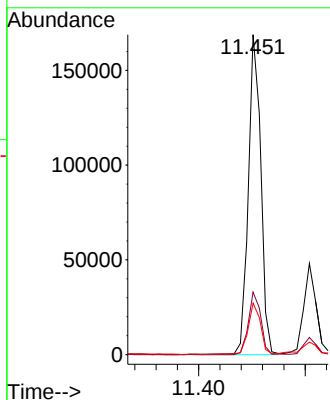
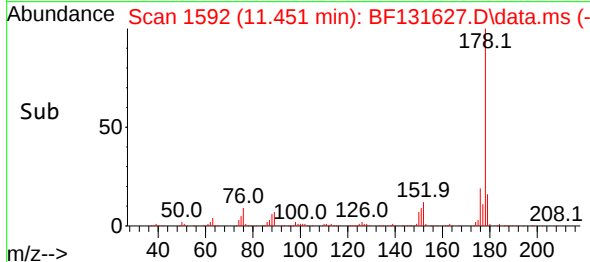
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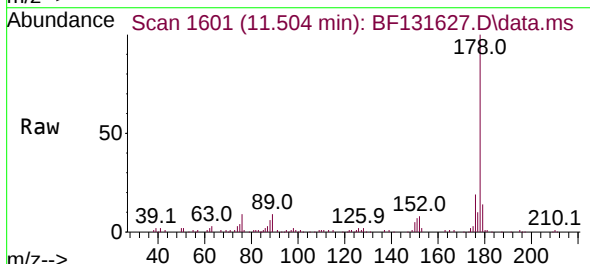
Tgt Ion:178 Resp: 136987
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 16.1 12.2 18.4

Manual Integrations
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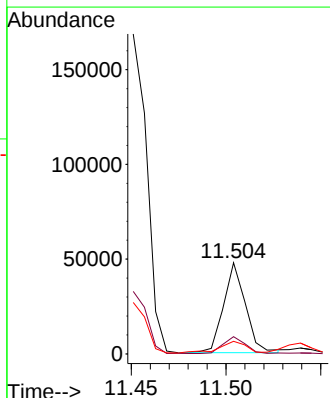
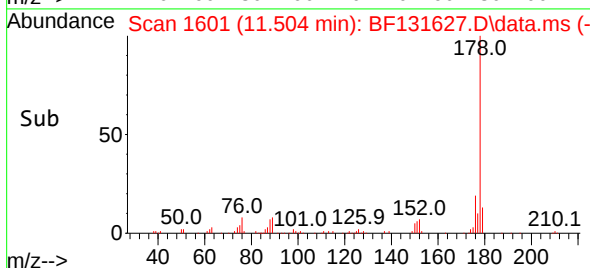
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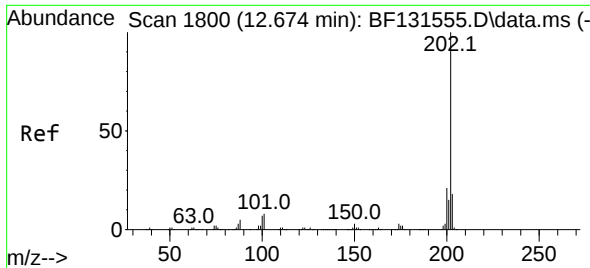


#72
Anthracene
Concen: 3.260 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03



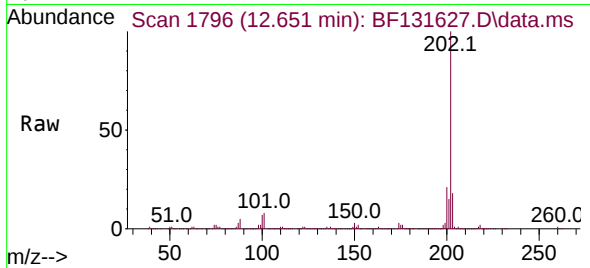
Tgt Ion:178 Resp: 38248
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 13.7 12.3 18.5





#75
Fluoranthene
Concen: 29.515 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

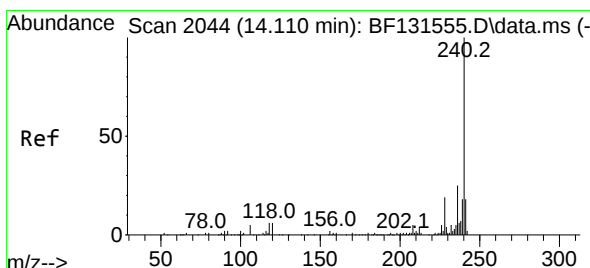
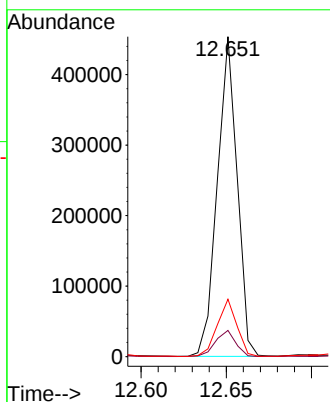
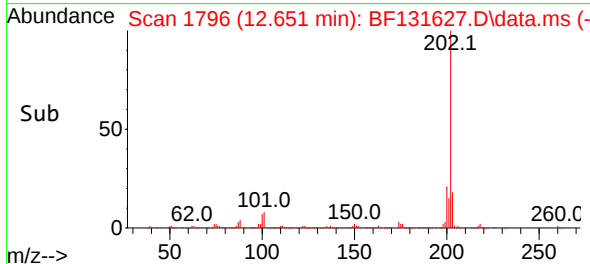
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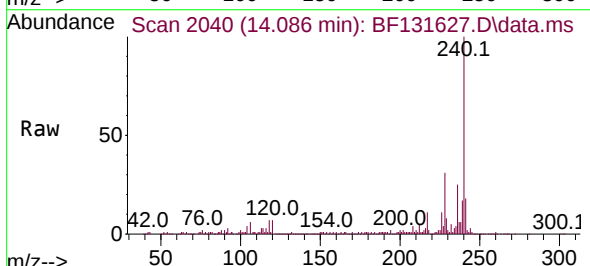
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Ion Ratio Lower Upper
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101 8.2 0.0 27.7
203 17.9 0.0 37.7

Manual Integrations
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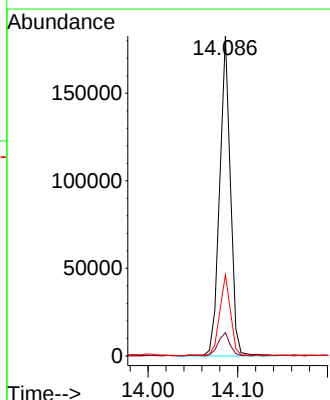
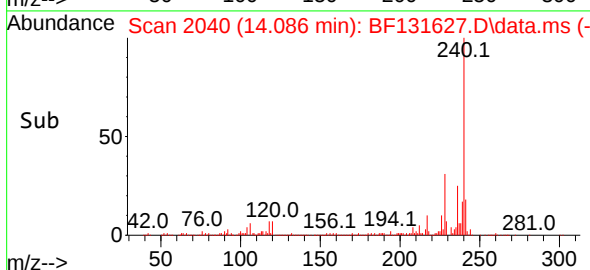
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

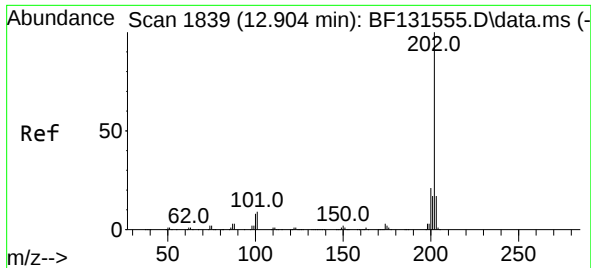


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03



Tgt Ion:240 Resp: 153490
Ion Ratio Lower Upper
240 100
120 7.3 4.6 7.0#
236 25.4 20.2 30.2





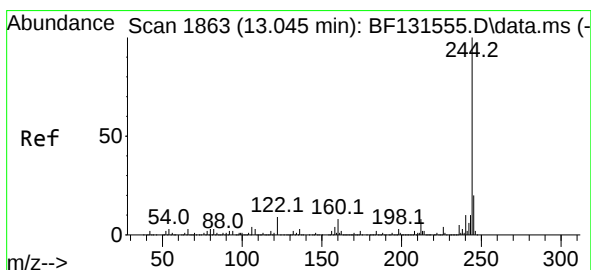
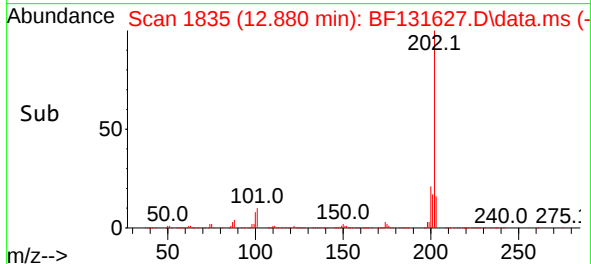
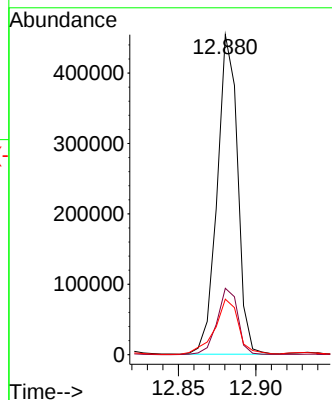
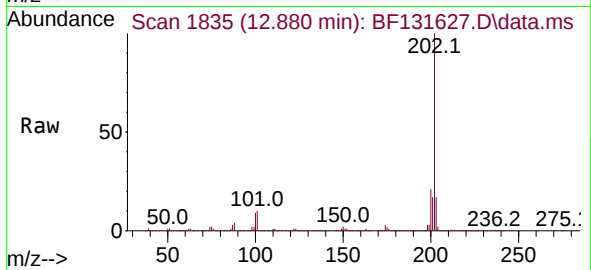
#78
Pyrene
Concen: 27.502 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03DL

Tgt Ion:202 Resp: 416235
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.3 13.8 20.6

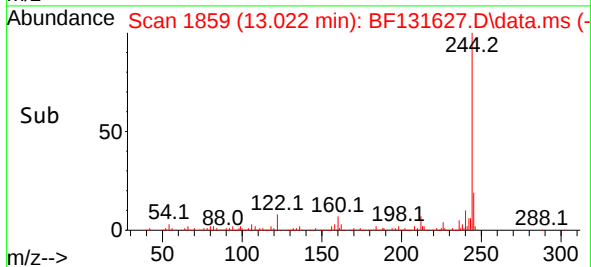
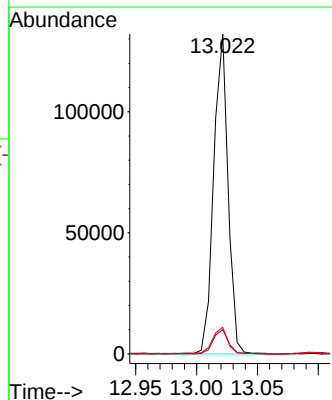
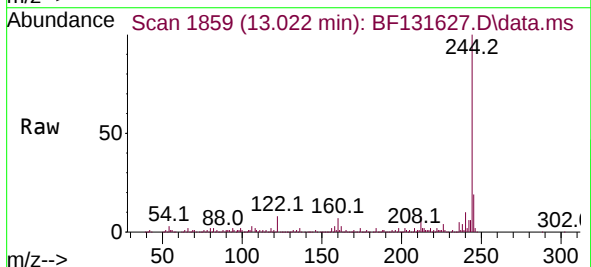
Manual Integrations
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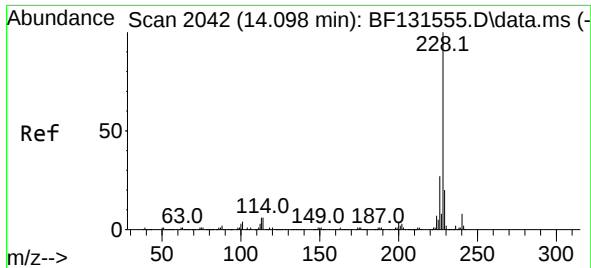
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#79
Terphenyl-d14
Concen: 9.699 ng
RT: 13.022 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

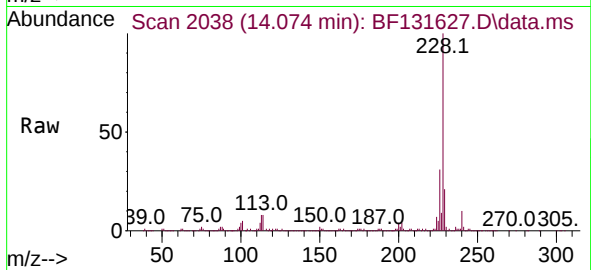
Tgt Ion:244 Resp: 108558
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 8.3 7.1 10.7





#81
Benzo(a)anthracene
Concen: 24.081 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

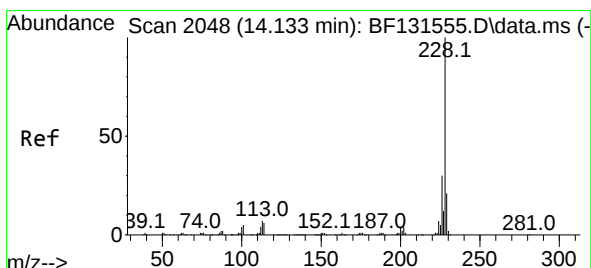
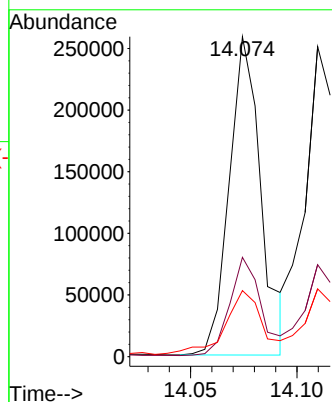
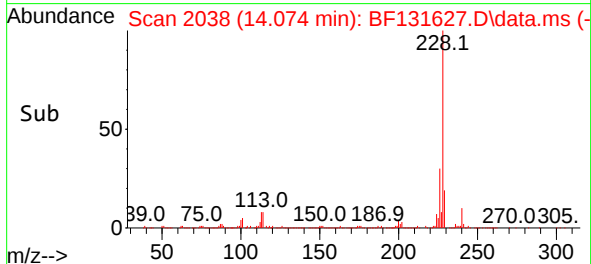
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03DL



Tgt Ion:228 Resp: 266925
Ion Ratio Lower Upper
228 100
226 31.0 21.5 32.3
229 20.6 15.8 23.6

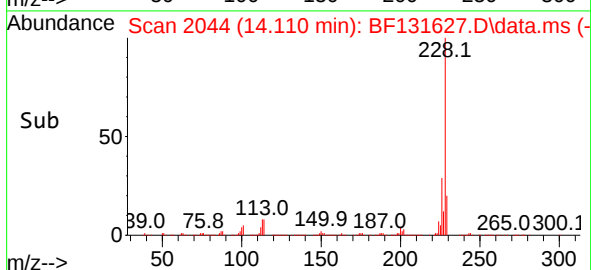
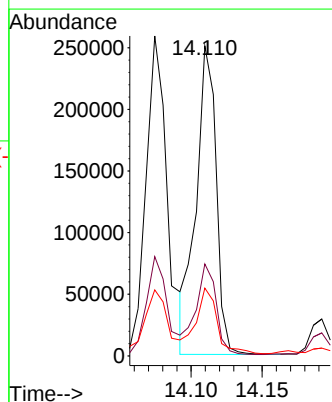
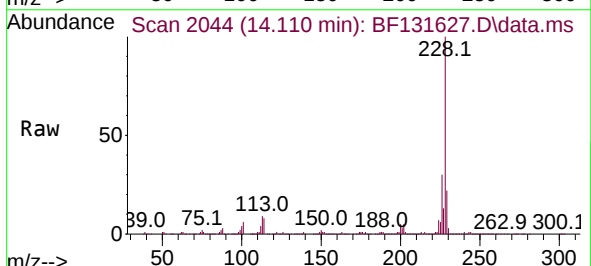
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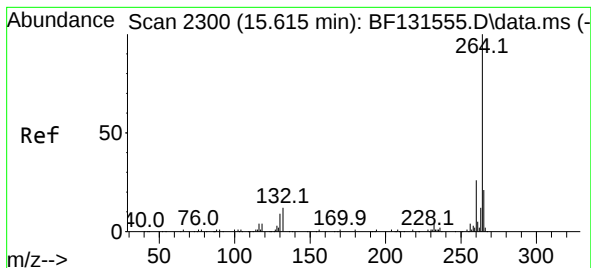
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#83
Chrysene
Concen: 23.385 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Tgt Ion:228 Resp: 246431
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 21.9 16.7 25.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131627.D

Acq: 13 Dec 2022 23:03

Instrument :

BNA_F

ClientSampleId :

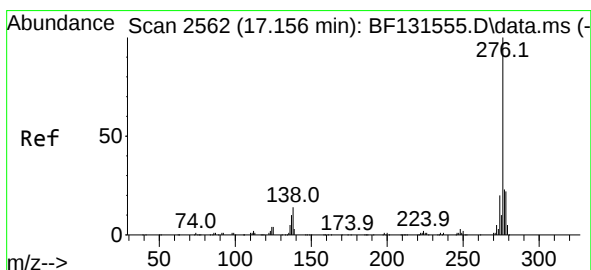
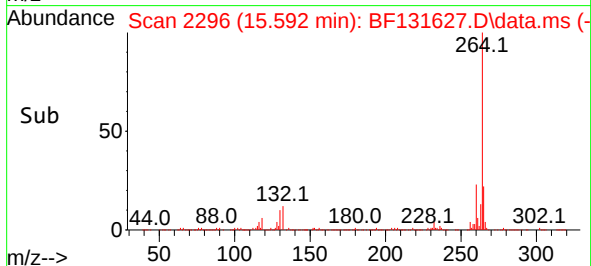
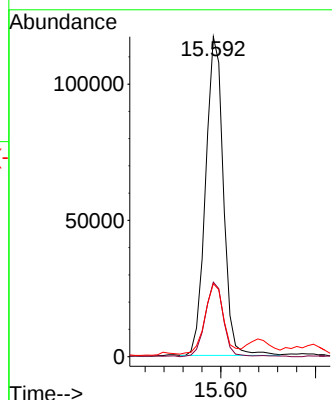
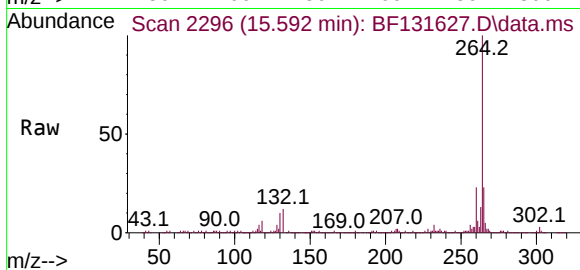
SU-518-COMP-03DL

Tgt Ion:264	Resp: 152423
Ion Ratio	Lower Upper
264	100
260	23.3 20.6 30.8
265	22.8 16.8 25.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.579 ng

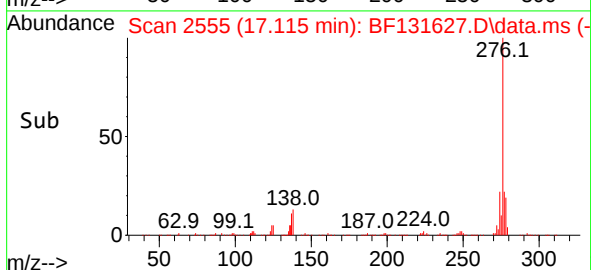
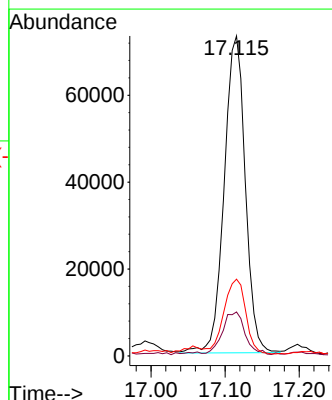
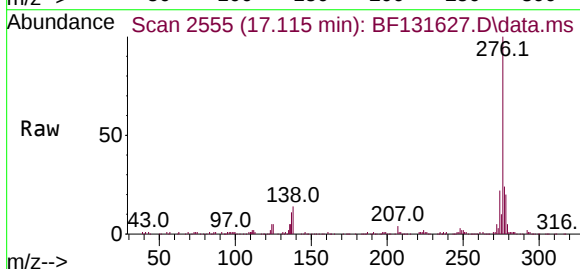
RT: 17.115 min Scan# 2555

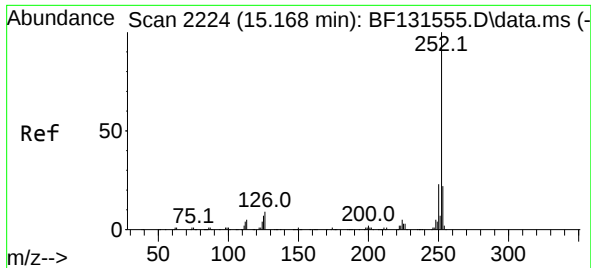
Delta R.T. -0.006 min

Lab File: BF131627.D

Acq: 13 Dec 2022 23:03

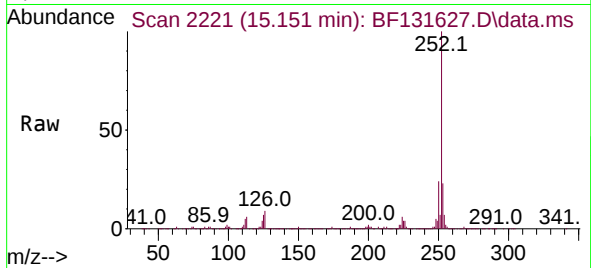
Tgt Ion:276	Resp: 144032
Ion Ratio	Lower Upper
276	100
138	14.6 12.7 19.1
277	24.7 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 36.058 ng m
RT: 15.151 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

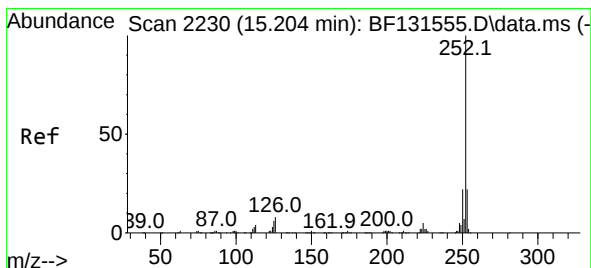
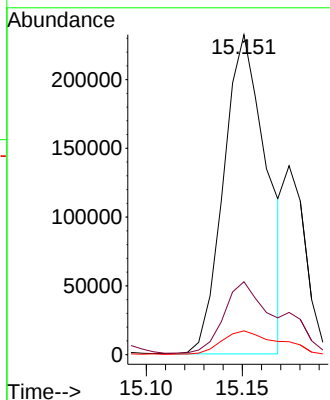
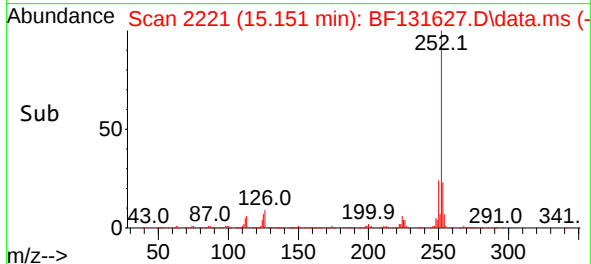
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03DL



Tgt Ion:252 Resp: 362239
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 7.4 5.6 8.4

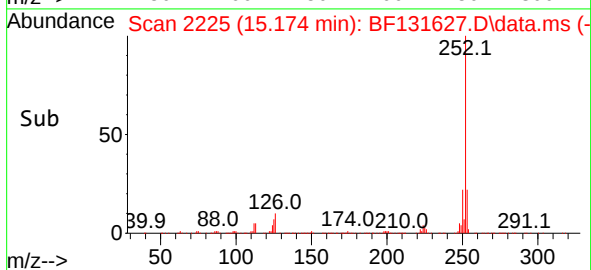
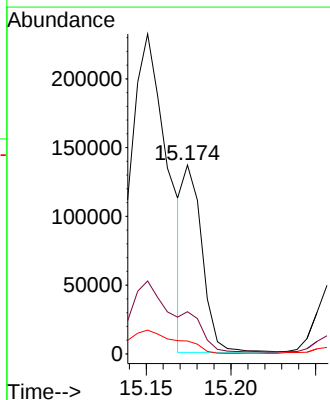
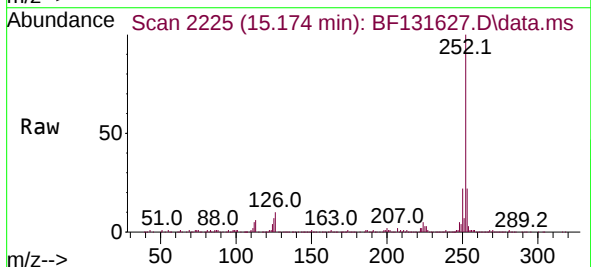
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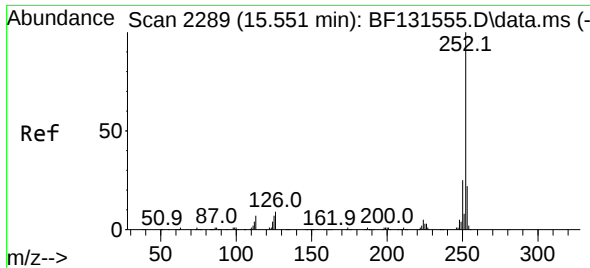
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#89
Benzo(k)fluoranthene
Concen: 10.149 ng m
RT: 15.174 min Scan# 2225
Delta R.T. -0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Tgt Ion:252 Resp: 106420
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 6.8 4.9 7.3





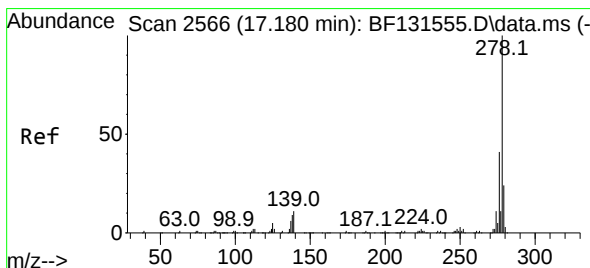
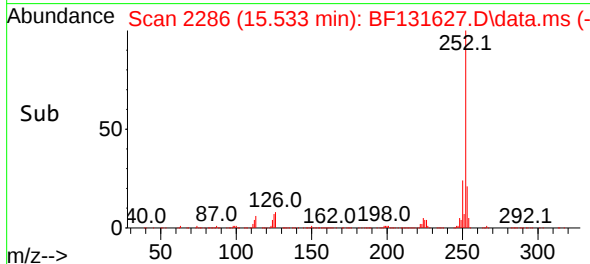
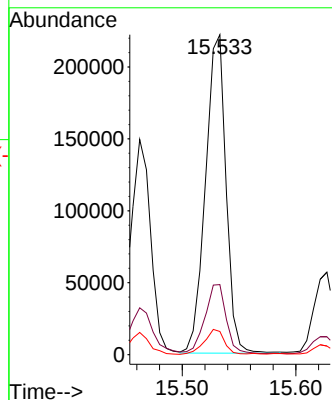
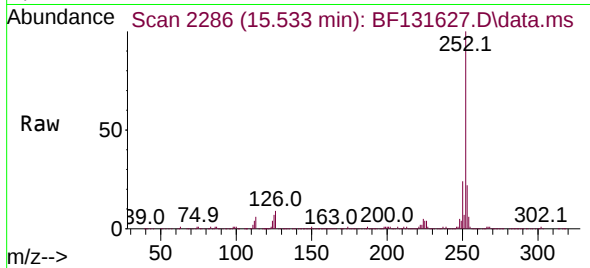
#90
Benzo(a)pyrene
Concen: 32.503 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-03DL

Tgt Ion:252 Resp: 27866
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 7.2 5.6 8.4

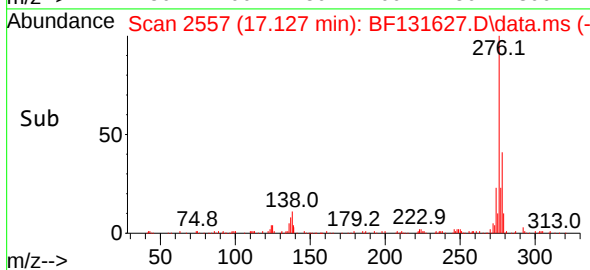
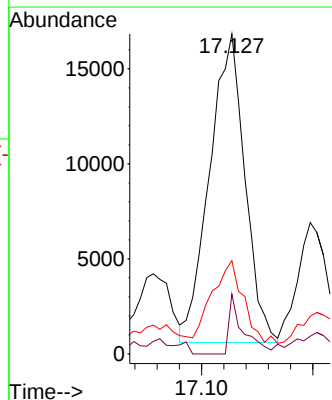
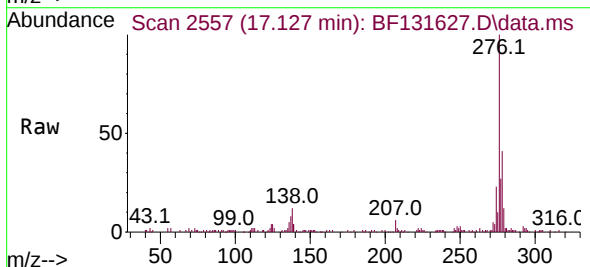
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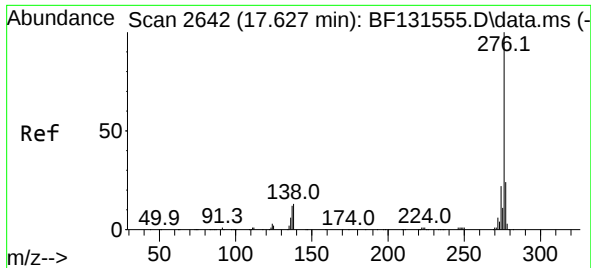
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.487 ng m
RT: 17.127 min Scan# 2557
Delta R.T. -0.012 min
Lab File: BF131627.D
Acq: 13 Dec 2022 23:03

Tgt Ion:278 Resp: 35697
Ion Ratio Lower Upper
278 100
139 9.4 8.9 13.3
279 29.1 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 14.275 ng

RT: 17.574 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF131627.D

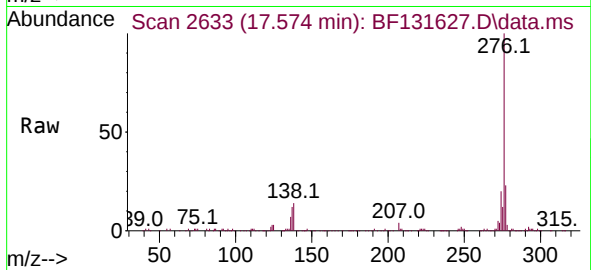
Acq: 13 Dec 2022 23:03

Instrument :

BNA_F

ClientSampleId :

SU-518-COMP-03DL



Tgt Ion:276 Resp: 146880

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 14.0 10.7 16.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/14/2022

Supervised By :mohammad ahmed 12/14/2022

