

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136700.D
 Acq On : 22 Dec 2023 22:57
 Operator : CG\JU
 Sample : 05765-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-01-10-11

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 01:57:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	64614	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	227660	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	97920	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	148492	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	133743	20.000	ng	0.00
86) Perylene-d12	15.439	264	128345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	271037	65.449	ng	0.00
7) Phenol-d6	6.428	99	380160	70.847	ng	-0.01
23) Nitrobenzene-d5	7.340	82	239925	53.928	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	36988	32.074	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	411632	56.540	ng	-0.02
79) Terphenyl-d14	12.904	244	325231	33.983	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	20925	3.535	ng	100
58) Fluorene	10.363	166	24131	3.390	ng	# 98
71) Phenanthrene	11.333	178	373190	48.980	ng	99
72) Anthracene	11.380	178	94817	12.288	ng	98
75) Fluoranthene	12.527	202	539815	66.235	ng	98
78) Pyrene	12.763	202	684043	52.101	ng	100
81) Benzo(a)anthracene	13.951	228	338131	36.409	ng	97
83) Chrysene	13.992	228	298667	32.887	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	87643	9.458	ng	94
88) Benzo(b)fluoranthene	15.010	252	289317m	33.750	ng	
89) Benzo(k)fluoranthene	15.033	252	86547m	10.685	ng	
90) Benzo(a)pyrene	15.380	252	218985	30.264	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	22338	2.938	ng	# 90
92) Benzo(g,h,i)perylene	17.386	276	89046	11.436	ng	97

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

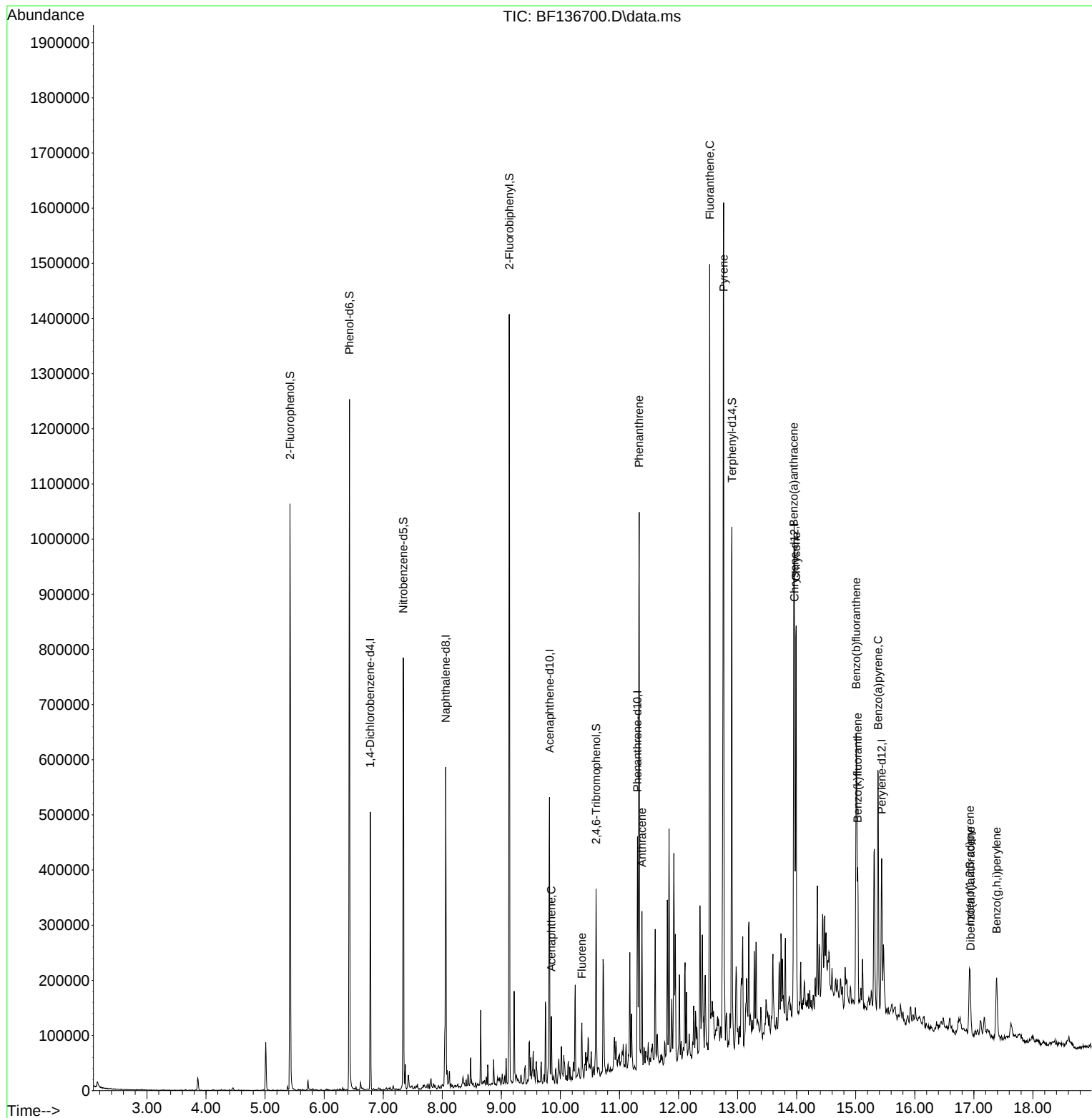
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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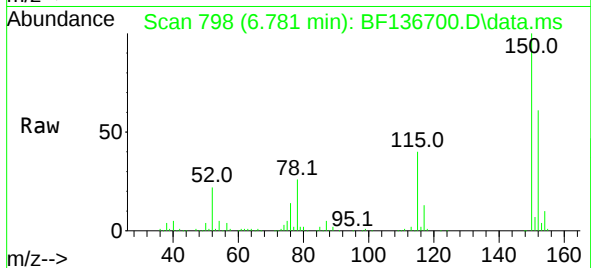
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

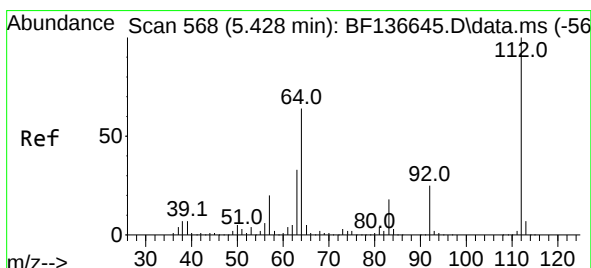
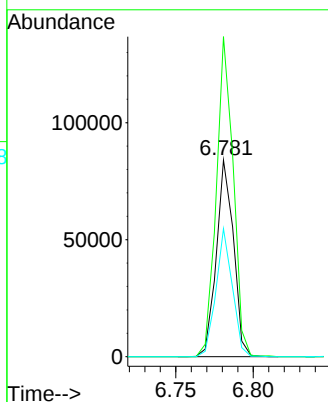
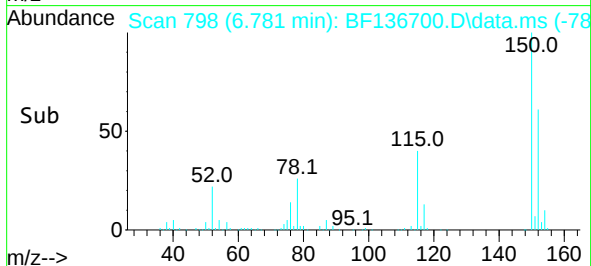
Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11



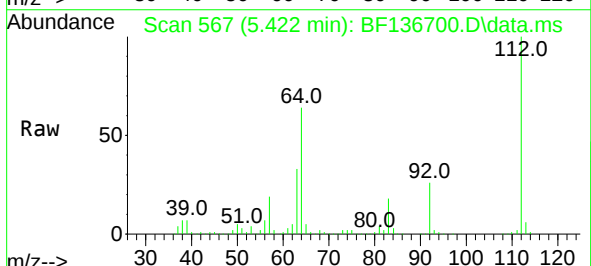
Tgt Ion:152 Resp: 64614
Ion Ratio Lower Upper
152 100
150 162.7 127.0 190.6
115 65.1 49.0 73.4

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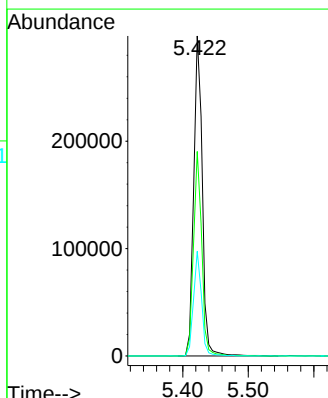
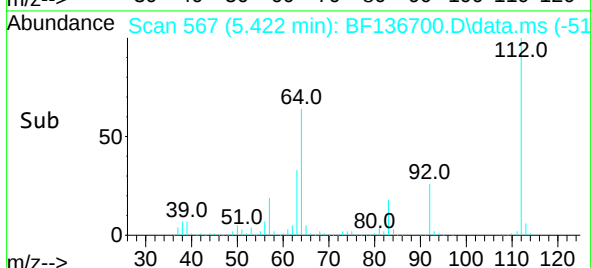
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

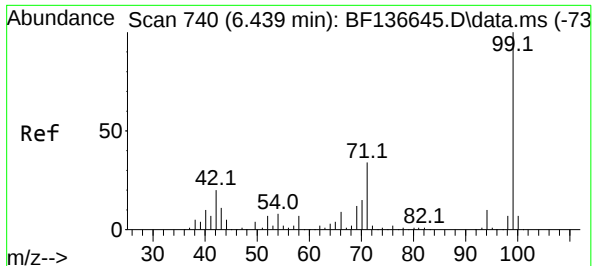


#5
2-Fluorophenol
Concen: 65.449 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57



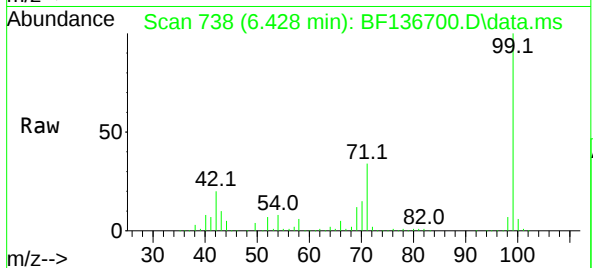
Tgt Ion:112 Resp: 271037
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 32.7 26.1 39.1





#7
Phenol-d6
Concen: 70.847 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

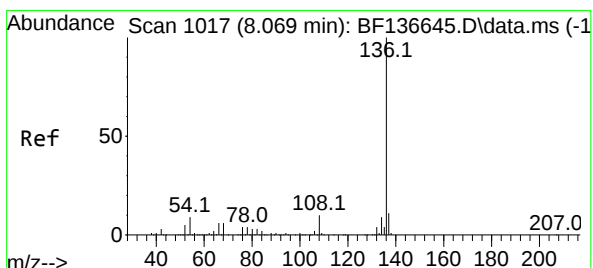
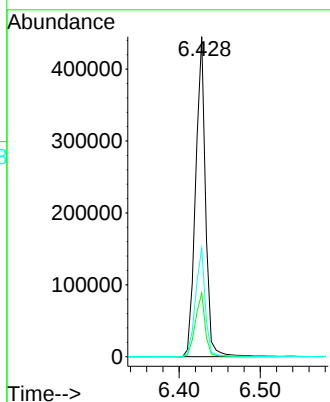
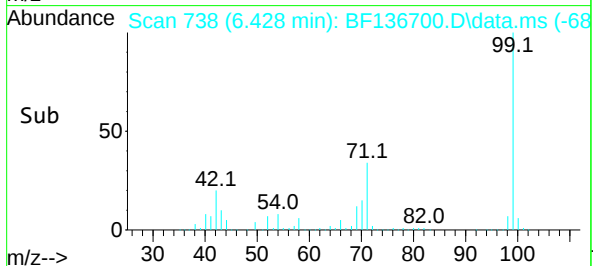
Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11



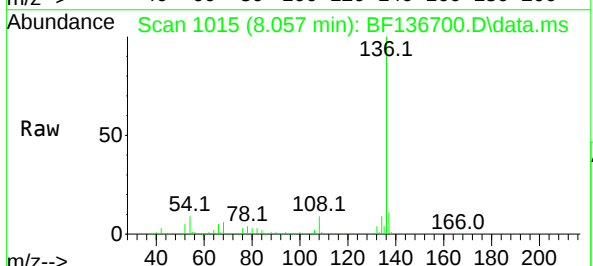
Tgt Ion: 99 Resp: 380160
Ion Ratio Lower Upper
99 100
42 19.9 16.1 24.1
71 34.0 27.4 41.2

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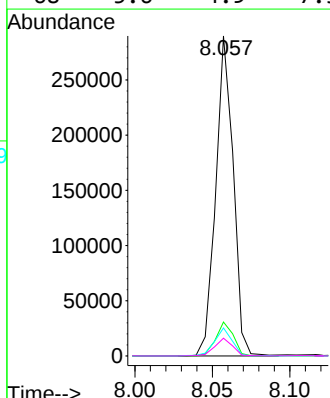
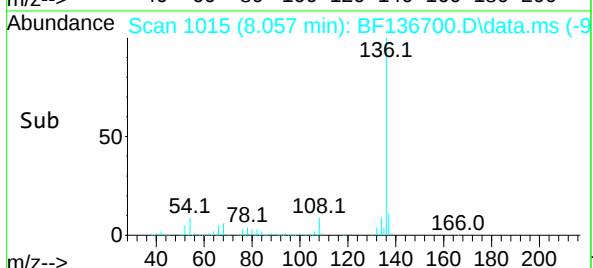
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57



Tgt Ion:136 Resp: 227660
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.8 7.2 10.8
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 53.928 ng

RT: 7.340 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

RT-SB-01-10-11

Tgt Ion: 82 Resp: 239925

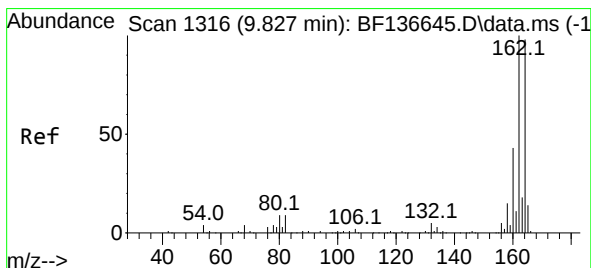
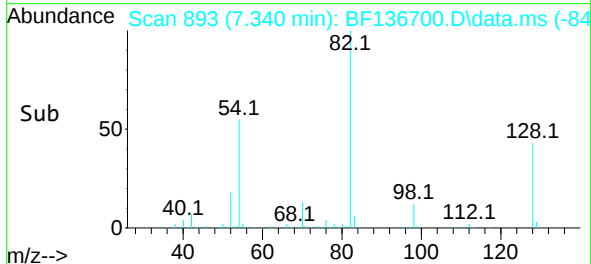
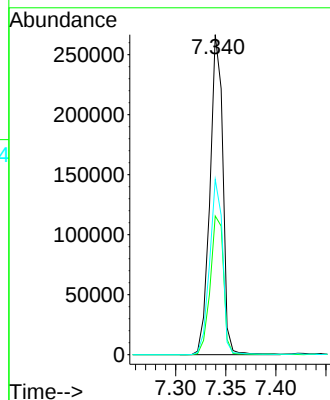
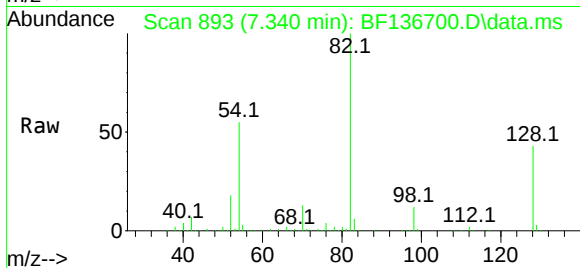
Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.3	52.9
54	54.8	44.5	66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

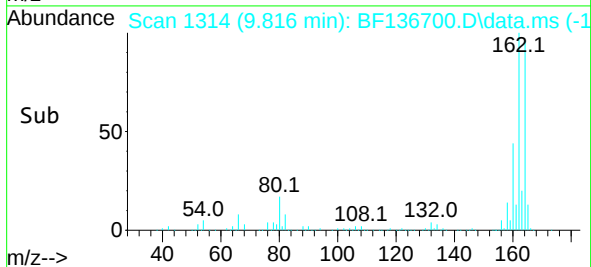
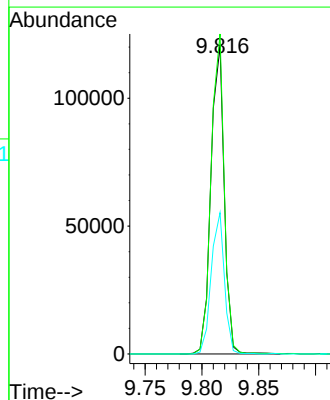
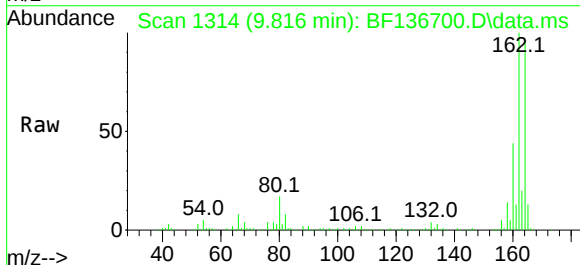
Delta R.T. -0.012 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Tgt Ion:164 Resp: 97920

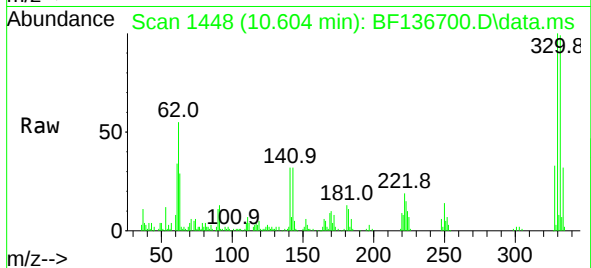
Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.6	122.4
160	45.9	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 32.074 ng
RT: 10.604 min Scan# 1451
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

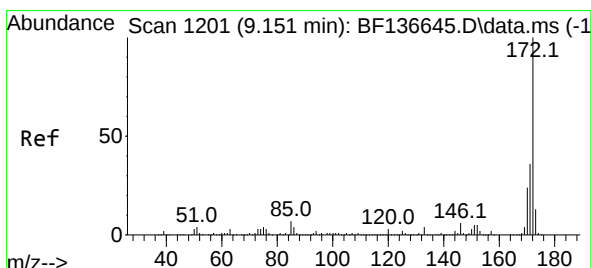
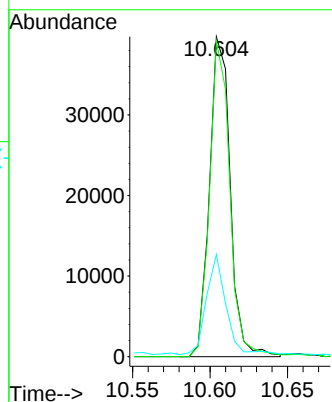
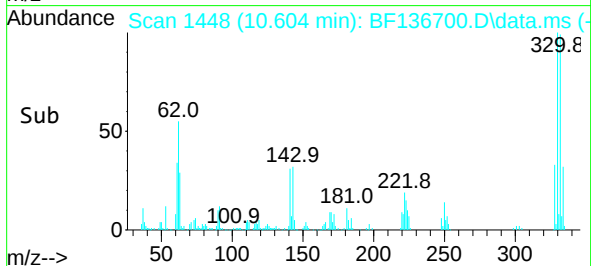
Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11



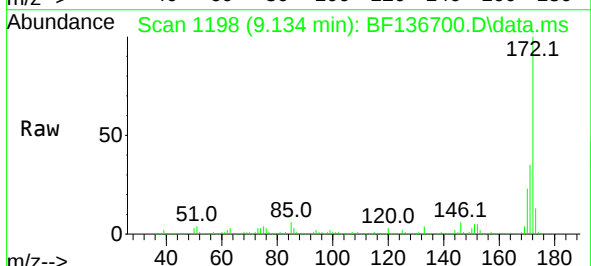
Tgt Ion: 330 Resp: 36988
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 30.5 23.4 35.2

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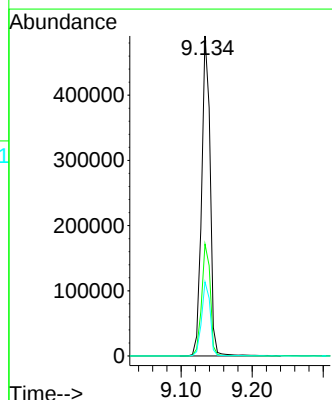
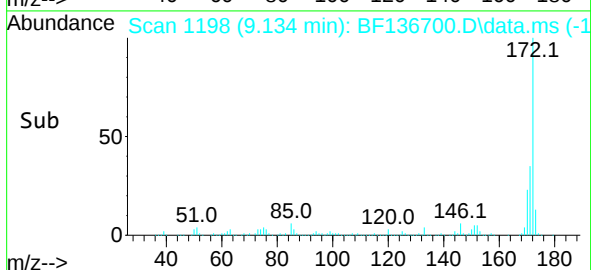
Reviewed By : Yogesh Patel 12/25/2023
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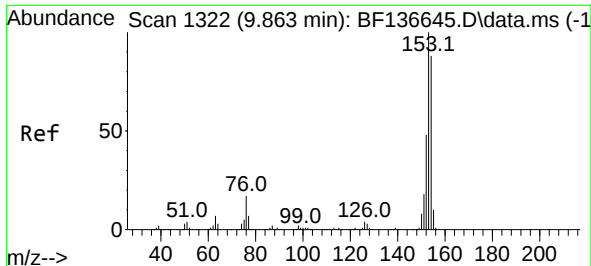


#45
2-Fluorobiphenyl
Concen: 56.540 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57



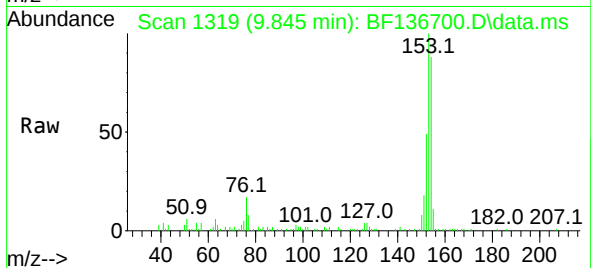
Tgt Ion: 172 Resp: 411632
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 23.2 19.0 28.4





#52
Acenaphthene
Concen: 3.535 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

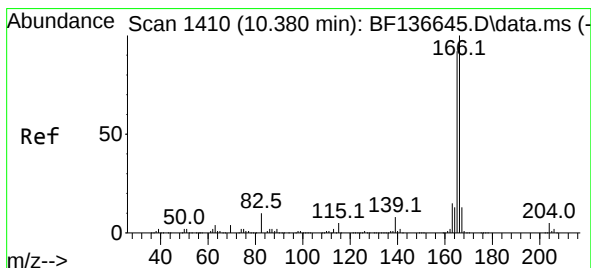
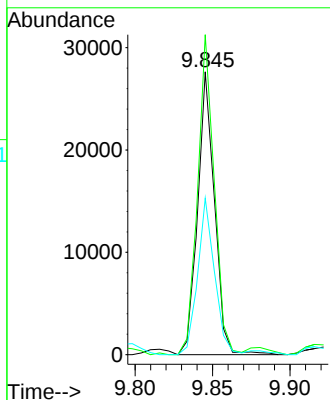
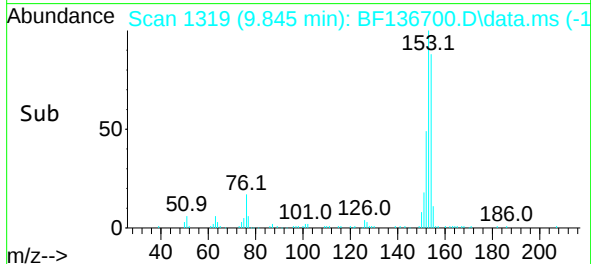
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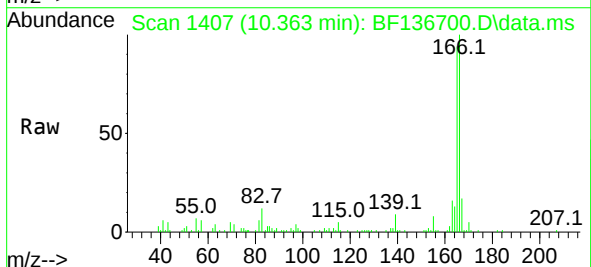
Tgt Ion:154 Resp: 20925
Ion Ratio Lower Upper
154 100
153 113.1 90.7 136.1
152 55.3 43.7 65.5

Manual Integrations
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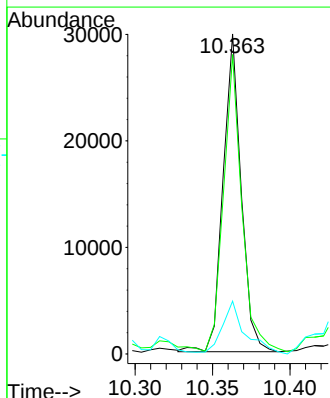
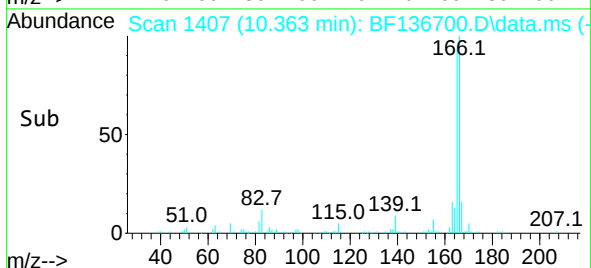
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

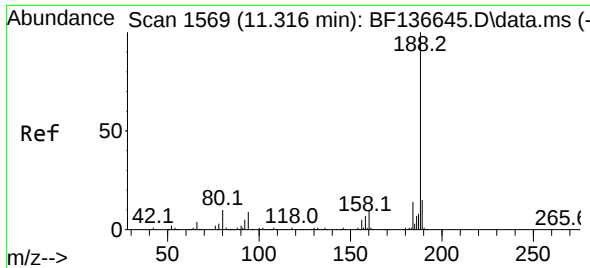


#58
Fluorene
Concen: 3.390 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57



Tgt Ion:166 Resp: 24131
Ion Ratio Lower Upper
166 100
165 93.6 73.7 110.5
167 16.5 10.4 15.6#





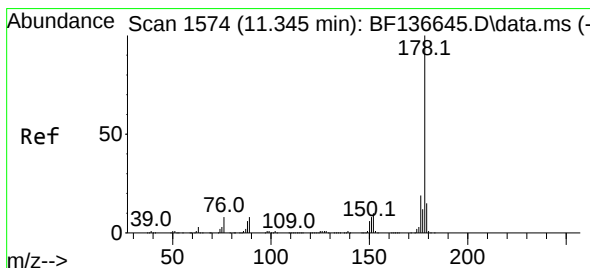
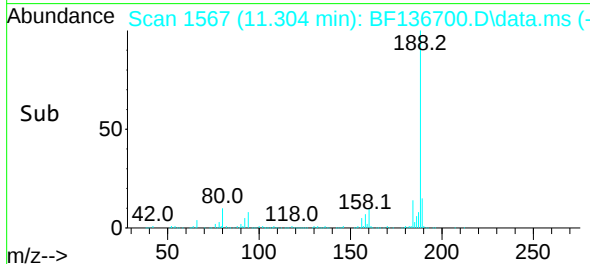
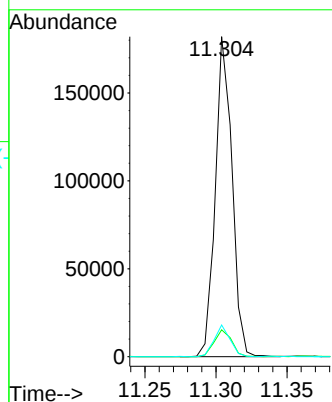
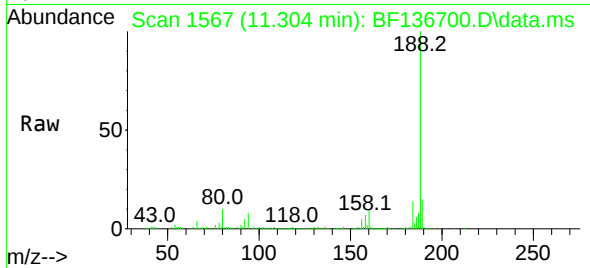
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11

Tgt Ion:188 Resp: 148492
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 9.9 8.1 12.1

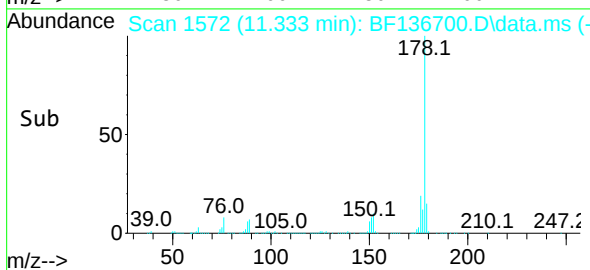
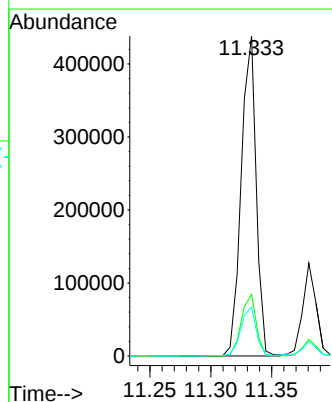
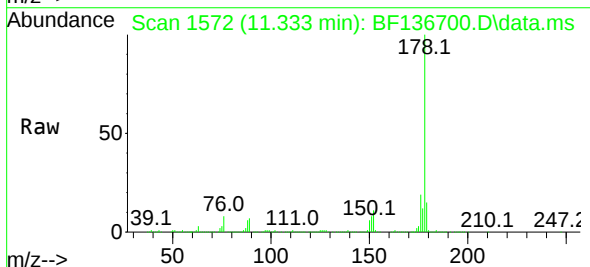
Manual Integrations
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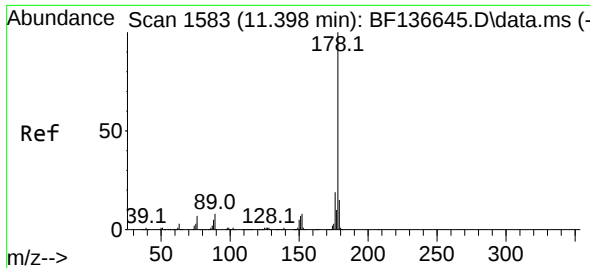
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#71
Phenanthrene
Concen: 48.980 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

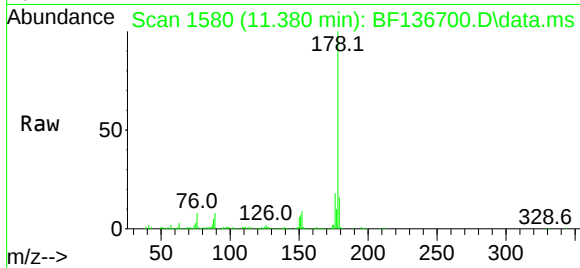
Tgt Ion:178 Resp: 373190
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 11.9 17.9





#72
 Anthracene
 Concen: 12.288 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF136700.D
 Acq: 22 Dec 2023 22:57

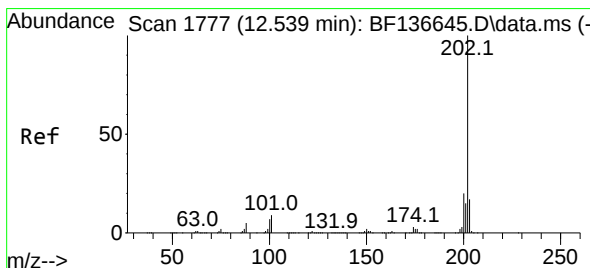
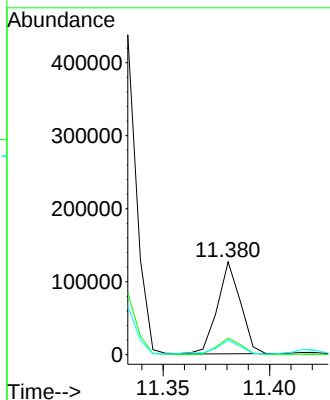
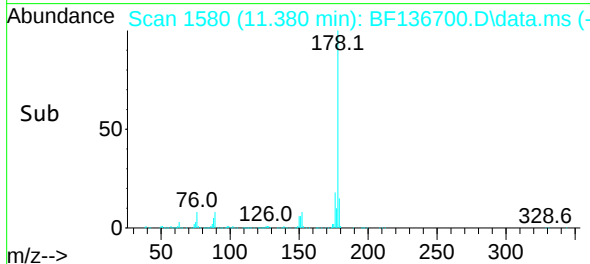
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-01-10-11



Tgt Ion:178 Resp: 94815
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.9 22.3
 179 15.6 11.8 17.6

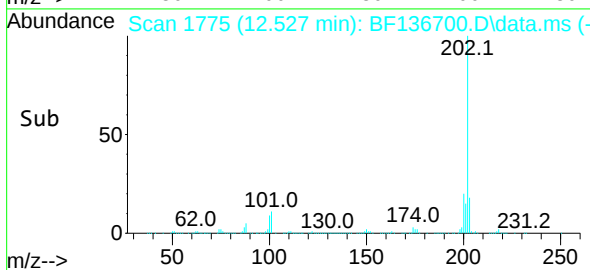
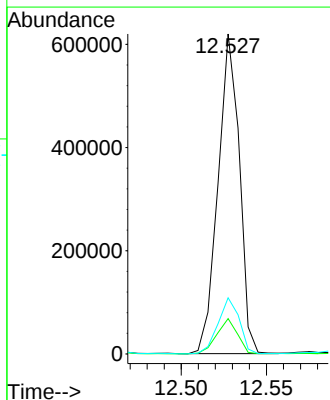
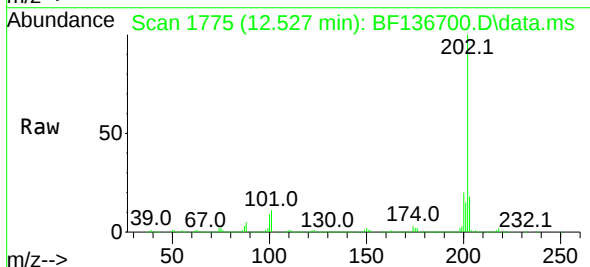
Manual Integrations
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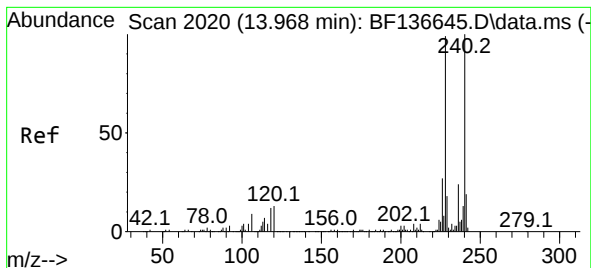
Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023



#75
 Fluoranthene
 Concen: 66.235 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136700.D
 Acq: 22 Dec 2023 22:57

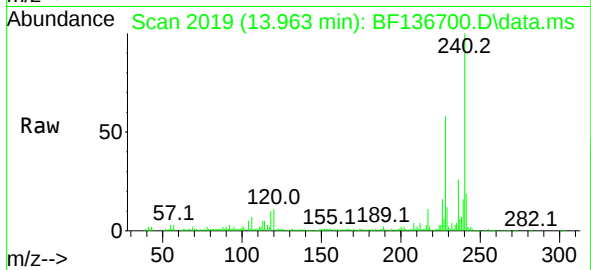
Tgt Ion:202 Resp: 539815
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 29.3
 203 17.6 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

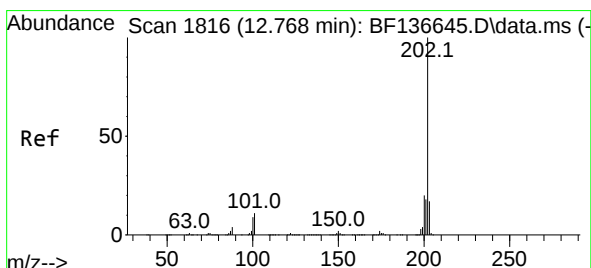
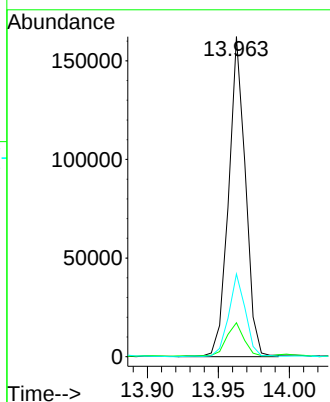
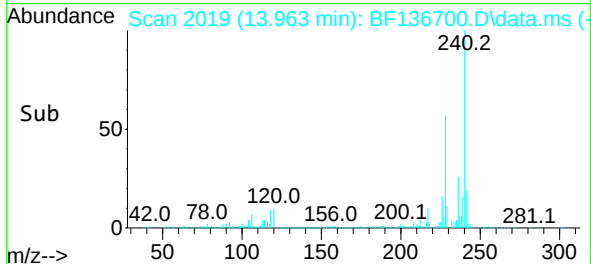
Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11



Tgt Ion:240 Resp: 13374
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 25.8 19.4 29.2

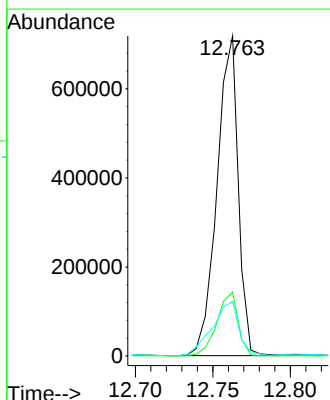
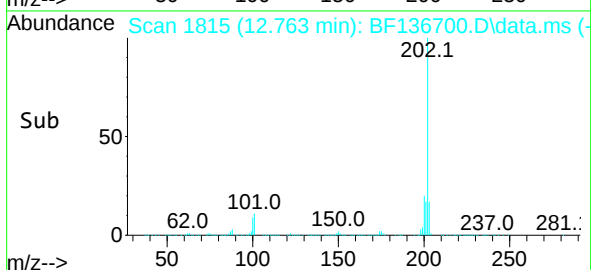
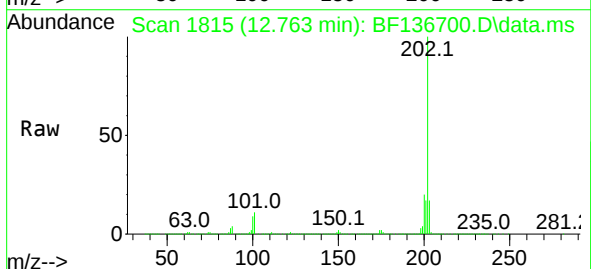
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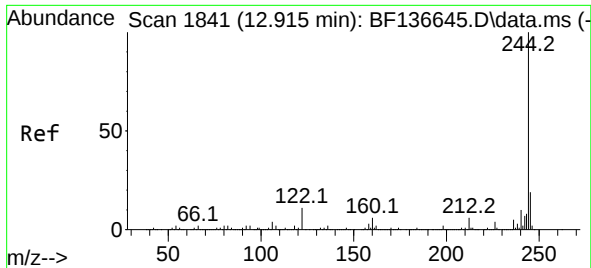
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#78
Pyrene
Concen: 52.101 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

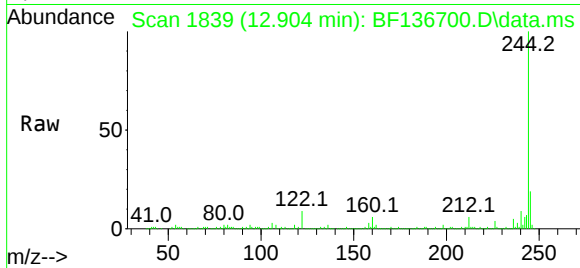
Tgt Ion:202 Resp: 684043
Ion Ratio Lower Upper
202 100
200 20.0 15.9 23.9
203 17.1 13.8 20.6





#79
 Terphenyl-d14
 Concen: 33.983 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136700.D
 Acq: 22 Dec 2023 22:57

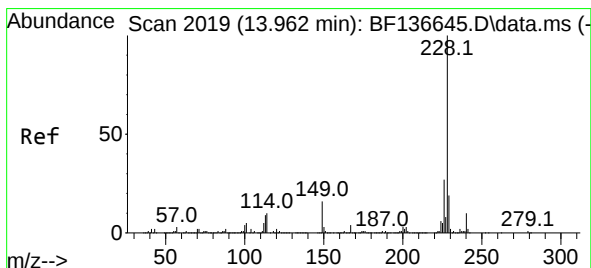
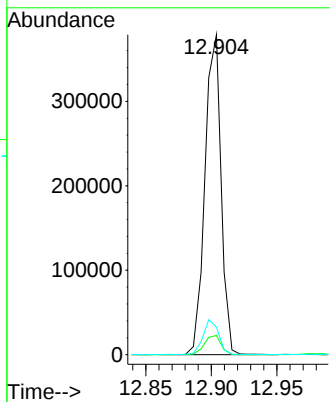
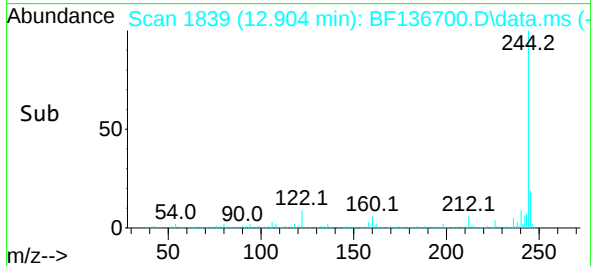
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-01-10-11



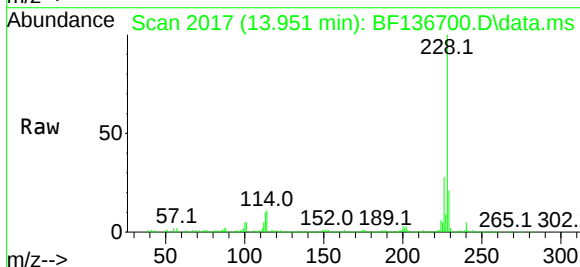
Tgt Ion:244 Resp: 325231
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 8.6 9.0 13.4

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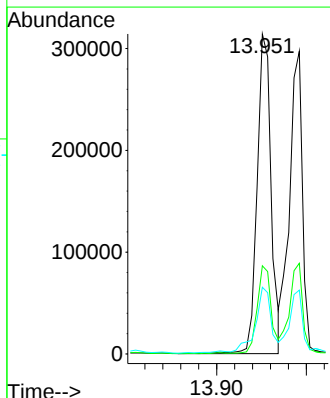
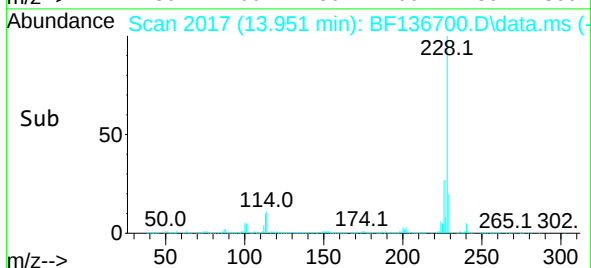
Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

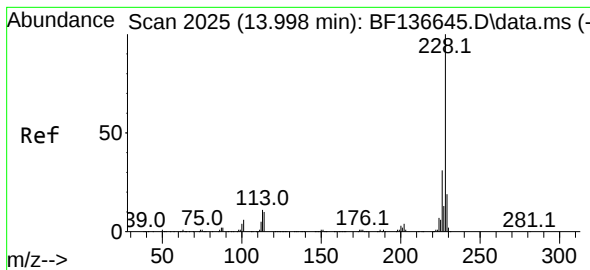


#81
 Benzo(a)anthracene
 Concen: 36.409 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136700.D
 Acq: 22 Dec 2023 22:57



Tgt Ion:228 Resp: 338131
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.4 32.0
 229 20.9 14.9 22.3





#83

Chrysene

Concen: 32.887 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

Instrument :

BNA_F

ClientSampleId :

RT-SB-01-10-11

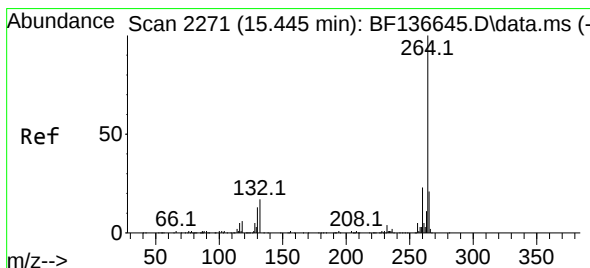
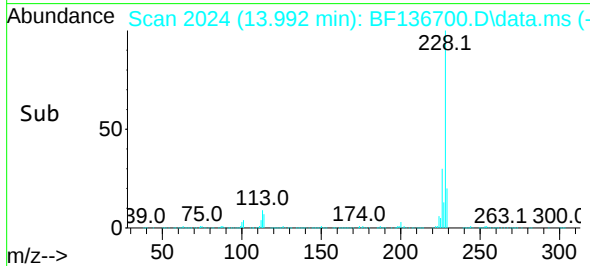
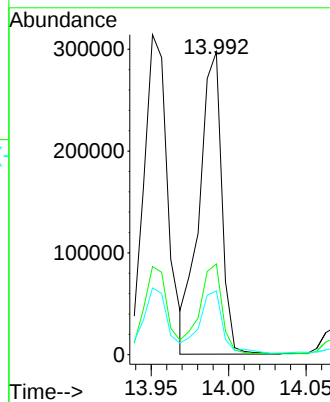
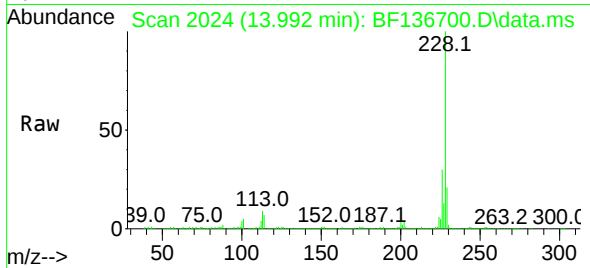
Tgt Ion:228	Resp: 29866
Ion Ratio	Lower Upper
228 100	
226 30.0	24.7 37.1
229 21.1	15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/25/2023

Supervised By :mohammad ahmed 12/25/2023



#86

Perylene-d12

Concen: 20.000 ng

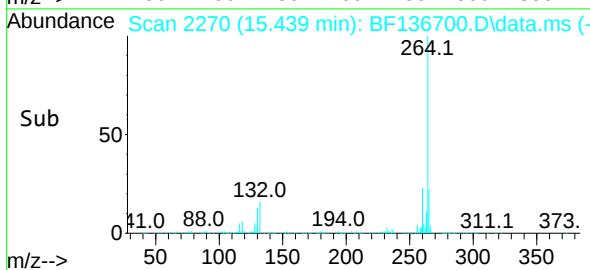
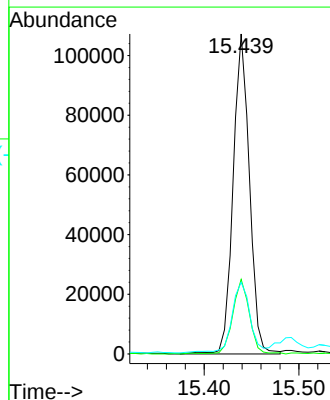
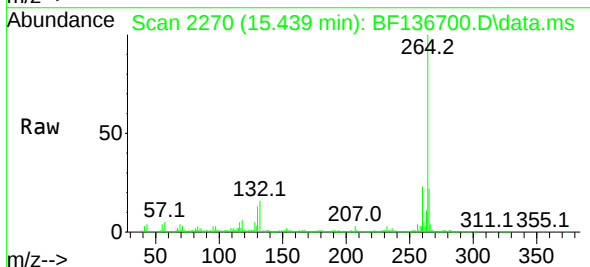
RT: 15.439 min Scan# 2270

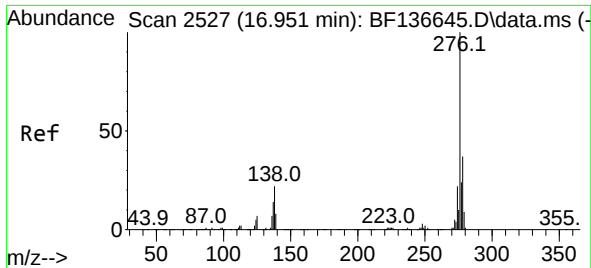
Delta R.T. -0.006 min

Lab File: BF136700.D

Acq: 22 Dec 2023 22:57

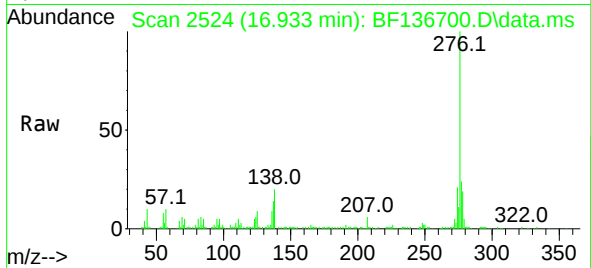
Tgt Ion:264	Resp: 128345
Ion Ratio	Lower Upper
264 100	
260 23.3	18.3 27.5
265 22.4	17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.458 ng
RT: 16.933 min Scan# 2197
Delta R.T. -0.017 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

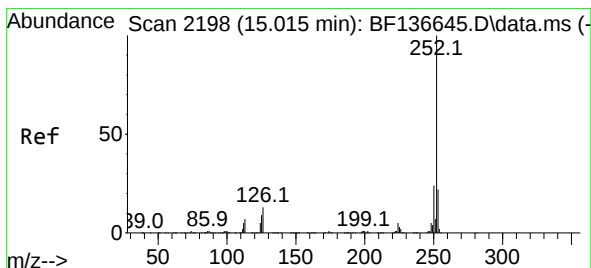
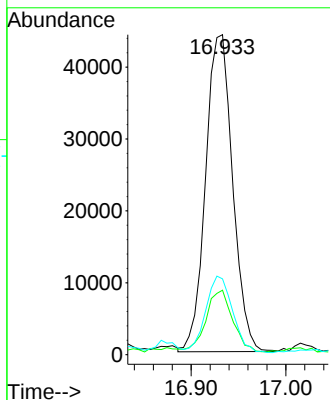
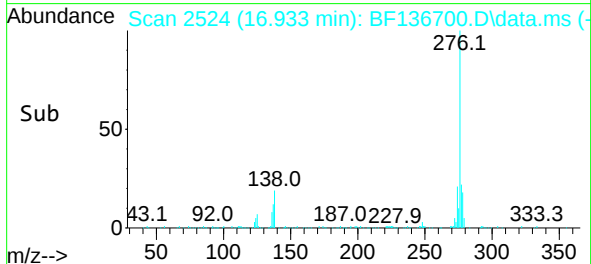
Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11



Tgt Ion: 276 Resp: 8764
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 23.9 20.2 30.2

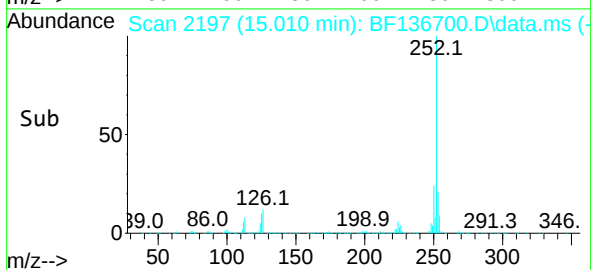
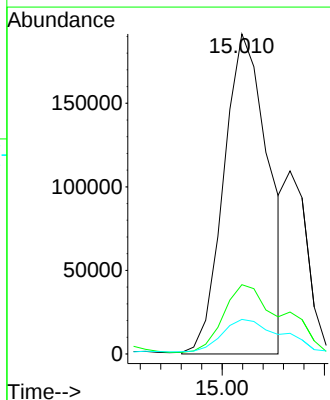
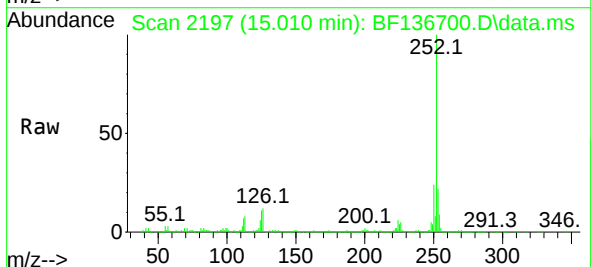
Manual Integrations
APPROVED

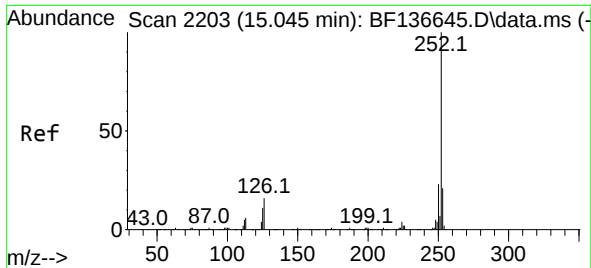
Reviewed By : Yogesh Patel 12/25/2023
Supervised By : mohammad ahmed 12/25/2023



#88
Benzo(b)fluoranthene
Concen: 33.750 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Tgt Ion: 252 Resp: 289317
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 10.8 7.4 11.2





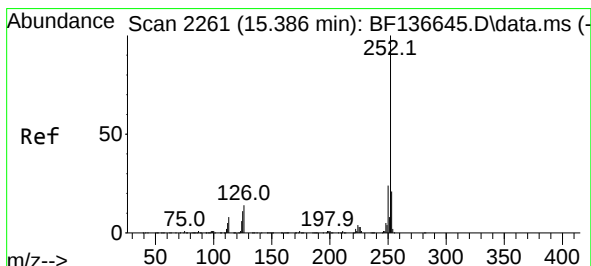
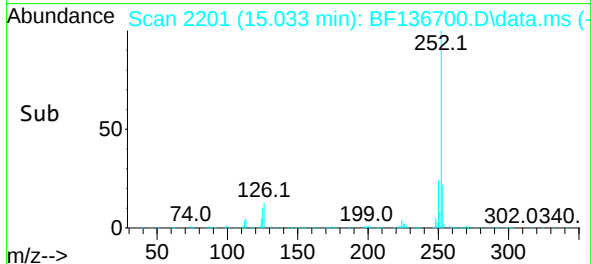
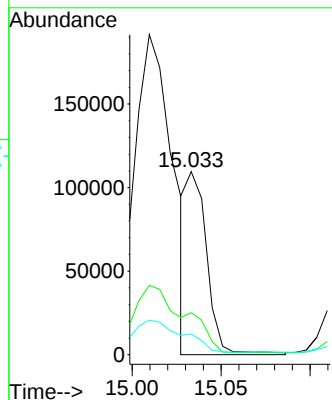
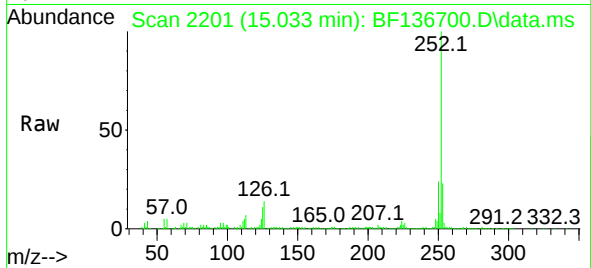
#89
Benzo(k)fluoranthene
Concen: 10.685 ng m
RT: 15.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11

Tgt Ion:252 Resp: 8654
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 11.3 8.2 12.4

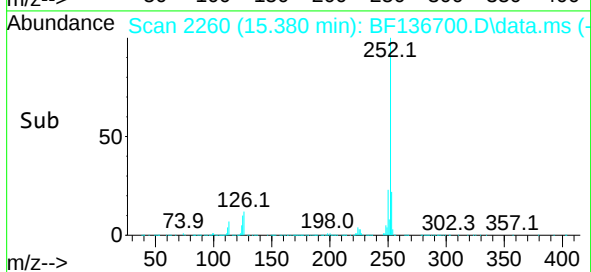
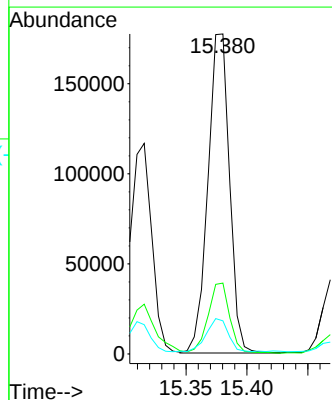
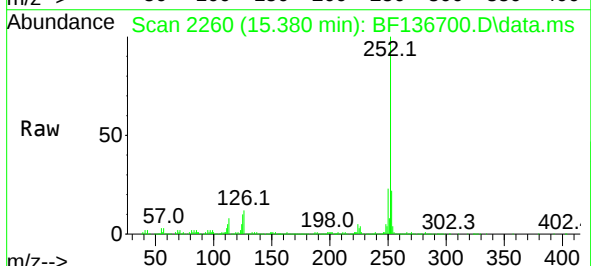
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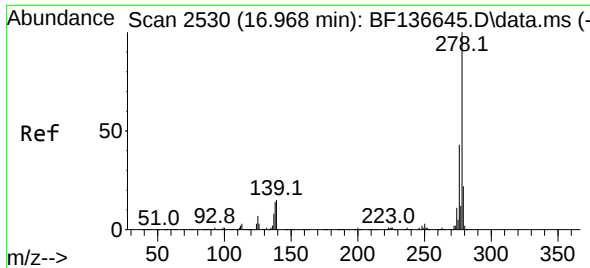
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#90
Benzo(a)pyrene
Concen: 30.264 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

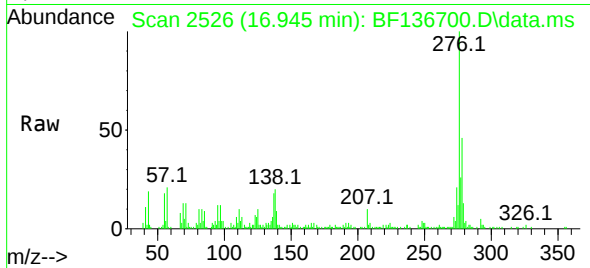
Tgt Ion:252 Resp: 218985
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 10.4 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.938 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

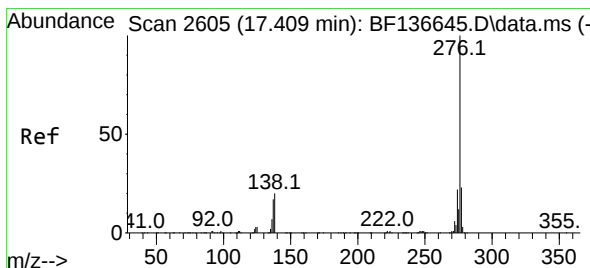
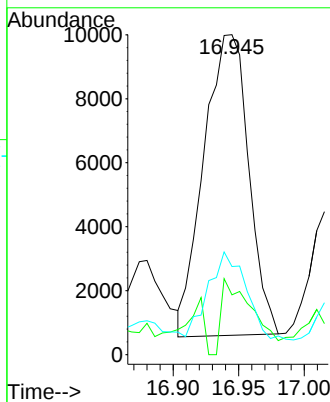
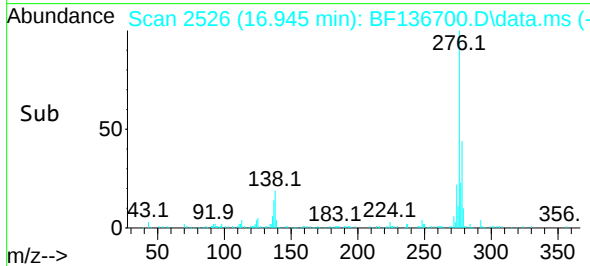
Instrument :
BNA_F
ClientSampleId :
RT-SB-01-10-11



Tgt Ion:278 Resp: 22338
Ion Ratio Lower Upper
278 100
139 18.7 12.2 18.4
279 27.6 17.8 26.6

Manual Integrations
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Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



#92
Benzo(g,h,i)perylene
Concen: 11.436 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF136700.D
Acq: 22 Dec 2023 22:57

Tgt Ion:276 Resp: 89046
Ion Ratio Lower Upper
276 100
277 25.0 18.3 27.5
138 18.4 15.6 23.4

