

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136534.D
 Acq On : 13 Dec 2023 13:05
 Operator : CG\JU
 Sample : 05657-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 205-199

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 13 13:47:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	99552	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	381849	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	180694	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	275738	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	205851	20.000	ng	0.00
86) Perylene-d12	15.457	264	231188	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	480024	71.210	ng	0.00
7) Phenol-d6	6.434	99	583944	69.431	ng	-0.01
23) Nitrobenzene-d5	7.351	82	359800	50.939	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	138289	62.069	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	750487	56.673	ng	-0.01
79) Terphenyl-d14	12.916	244	621994	39.826	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.686	152	39463	2.315	ng	98
71) Phenanthrene	11.345	178	250916	16.556	ng	98
72) Anthracene	11.392	178	43826	2.871	ng	99
75) Fluoranthene	12.539	202	479788	30.209	ng	98
78) Pyrene	12.769	202	476050	23.613	ng	98
81) Benzo(a)anthracene	13.963	228	262829	18.330	ng	94
83) Chrysene	13.998	228	272674	19.328	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	47900	5.444	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	123473	7.688	ng	95
88) Benzo(b)fluoranthene	15.021	252	402900m	25.489	ng	
89) Benzo(k)fluoranthene	15.051	252	140990m	9.465	ng	
90) Benzo(a)pyrene	15.392	252	248187	19.012	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	30843	2.344	ng	97
92) Benzo(g,h,i)perylene	17.409	276	109934	8.140	ng	96

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

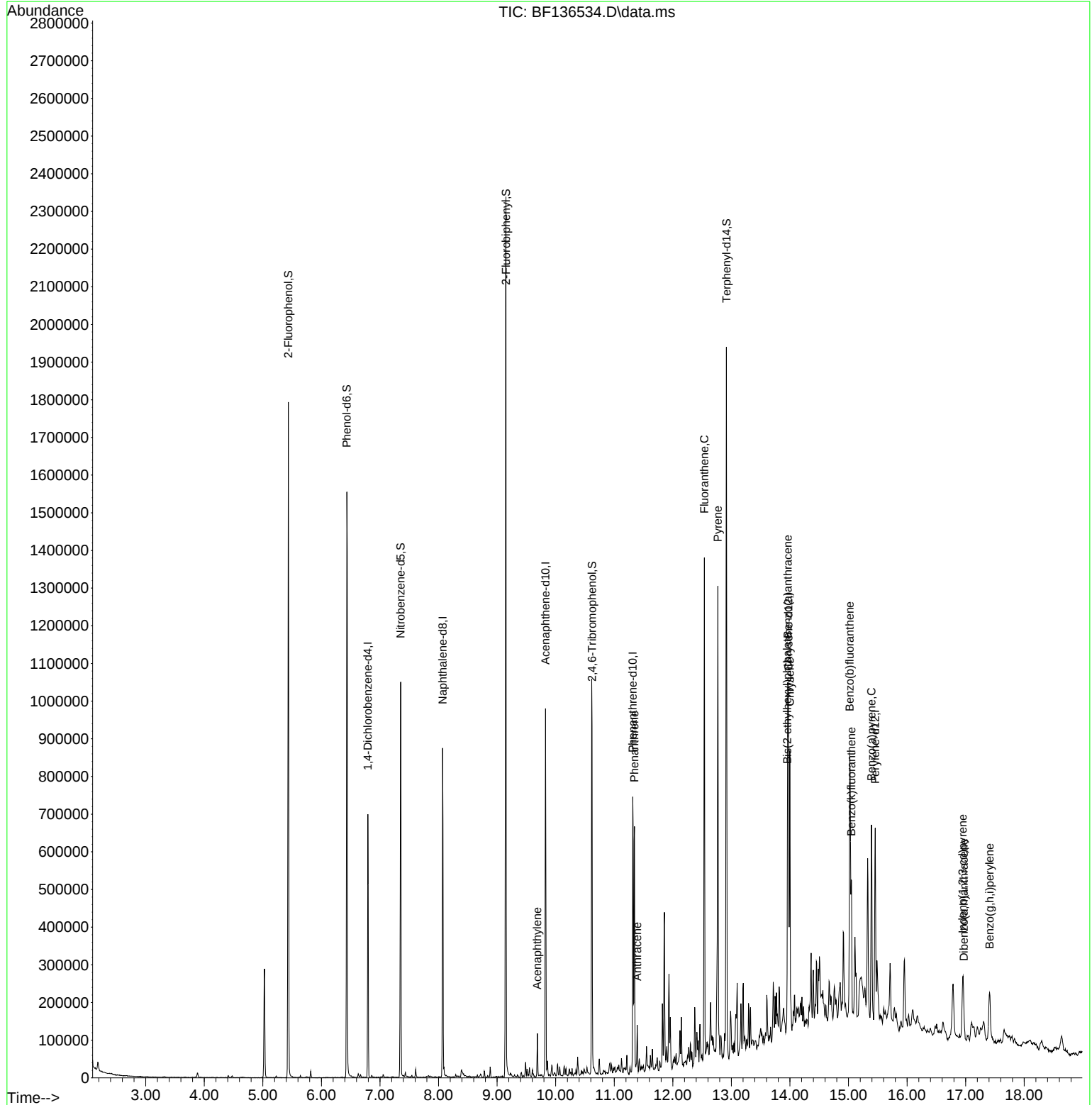
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
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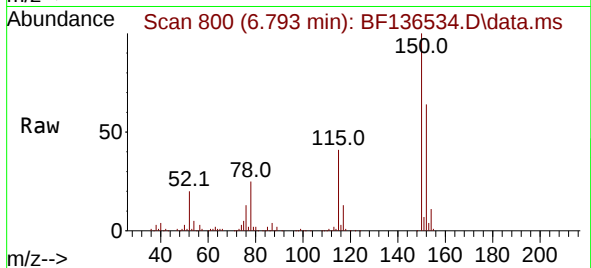
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

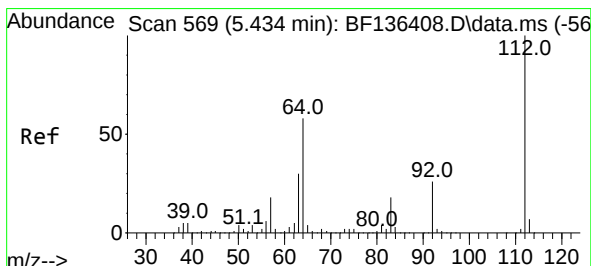
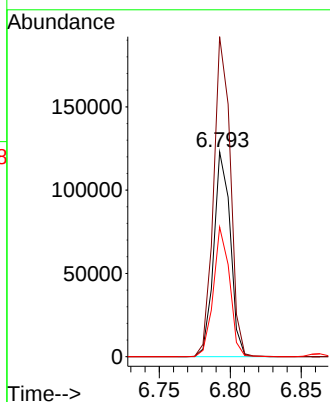
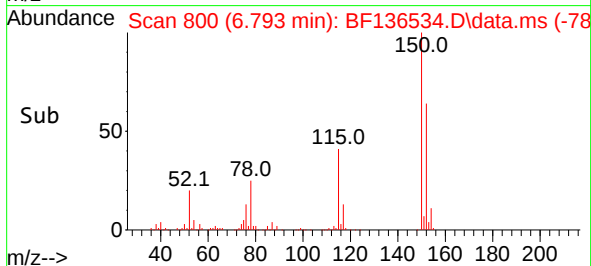
Instrument :
BNA_F
ClientSampleId :
205-199



Tgt Ion:152 Resp: 99552
Ion Ratio Lower Upper
152 100
150 156.2 126.4 189.6
115 63.3 48.2 72.4

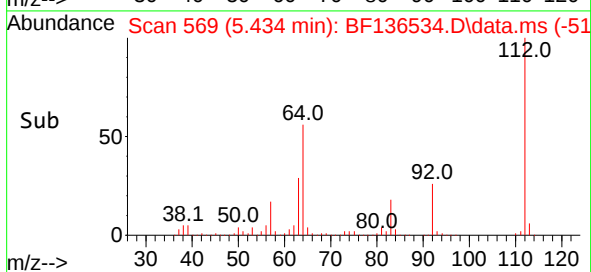
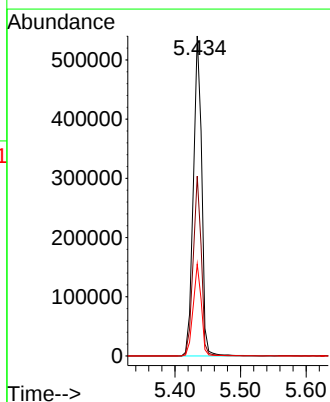
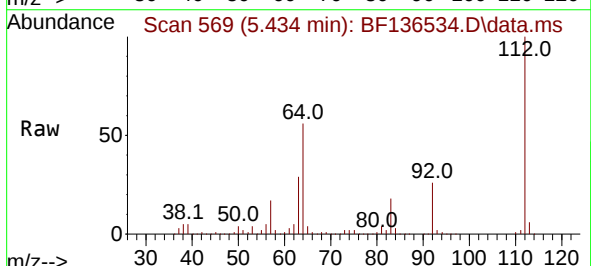
Manual Integrations
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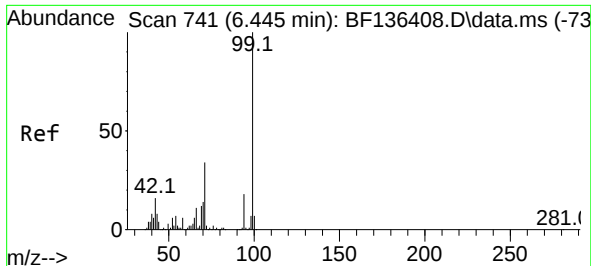
Reviewed By :Yogesh Patel 12/14/2023
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#5
2-Fluorophenol
Concen: 71.210 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

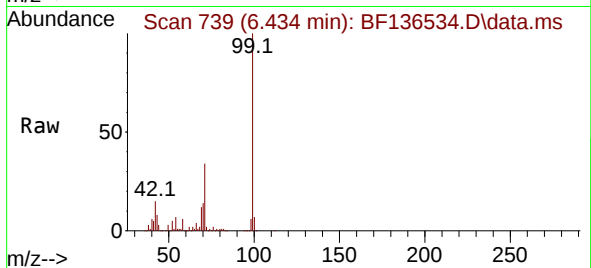
Tgt Ion:112 Resp: 480024
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 28.8 23.9 35.9





#7
Phenol-d6
Concen: 69.431 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

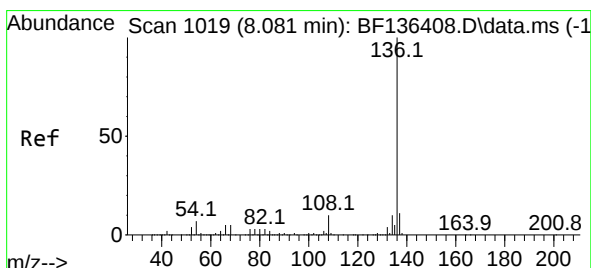
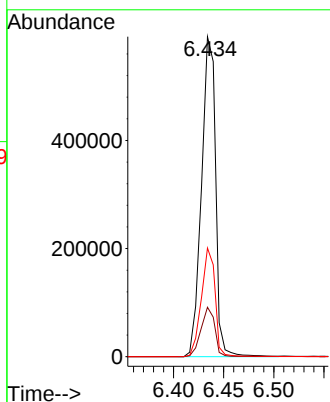
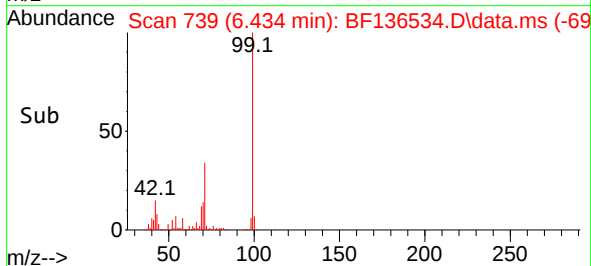
Instrument :
BNA_F
ClientSampleId :
205-199



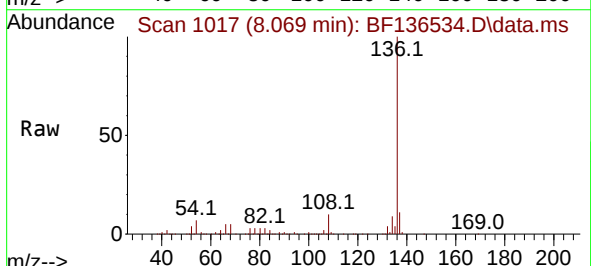
Tgt Ion: 99 Resp: 583944
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 34.0 27.0 40.4

Manual Integrations
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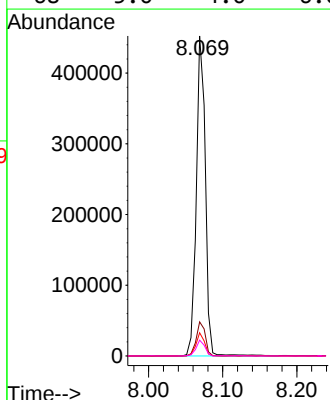
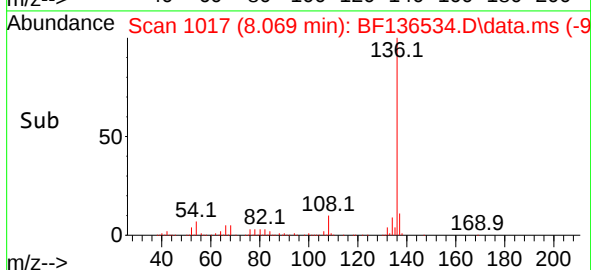
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

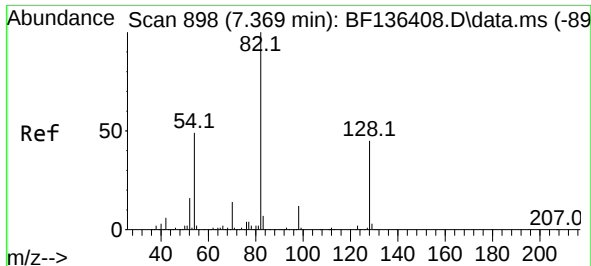


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05



Tgt Ion:136 Resp: 381849
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.3 5.7 8.5
68 5.0 4.0 6.0





#23

Nitrobenzene-d5

Concen: 50.939 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

Tgt Ion: 82 Resp: 359800

Ion Ratio Lower Upper

82 100

128 46.2 36.3 54.5

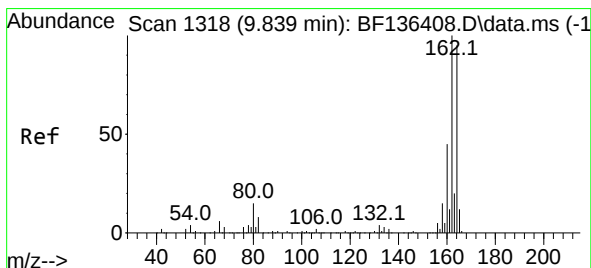
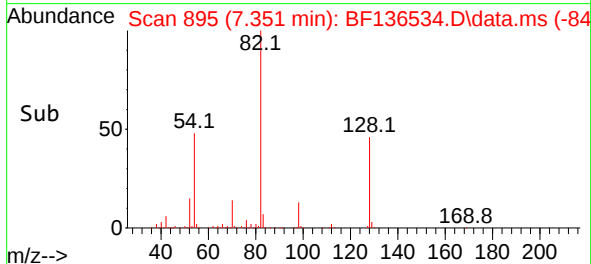
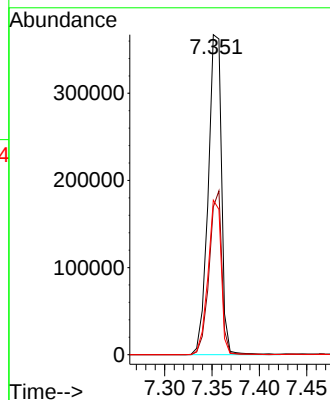
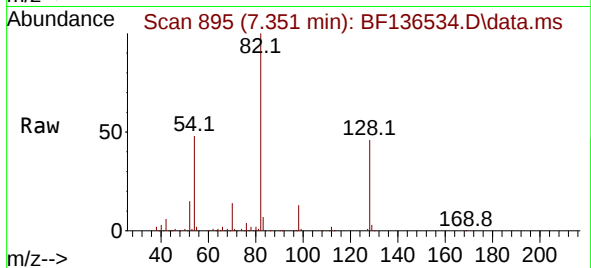
54 48.3 39.0 58.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

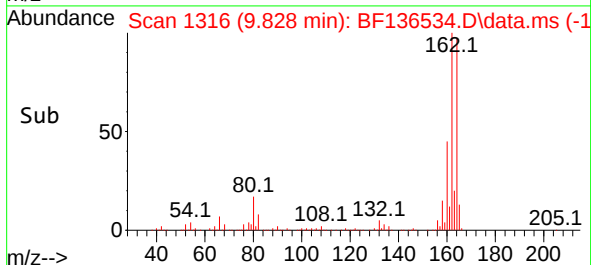
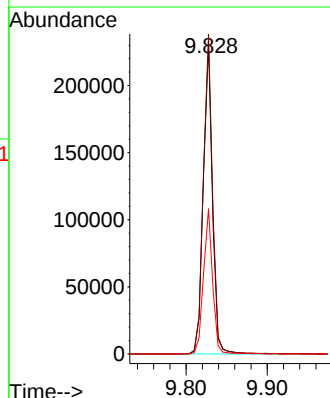
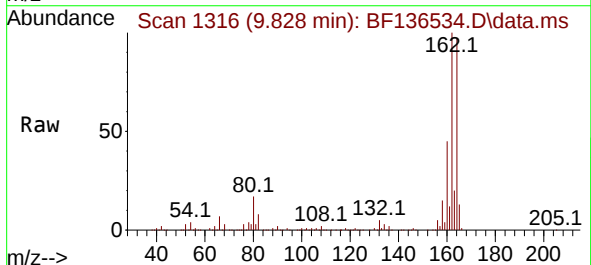
Tgt Ion:164 Resp: 180694

Ion Ratio Lower Upper

164 100

162 103.2 84.4 126.6

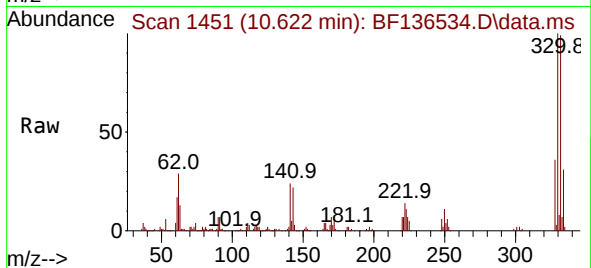
160 46.8 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 62.069 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

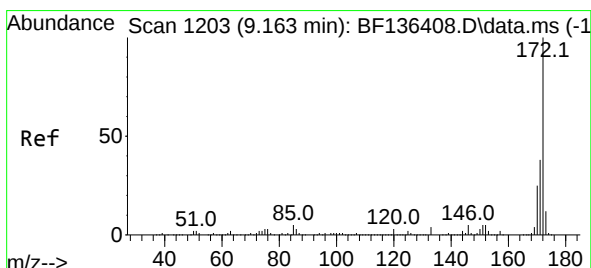
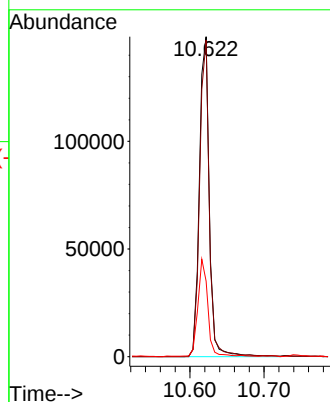
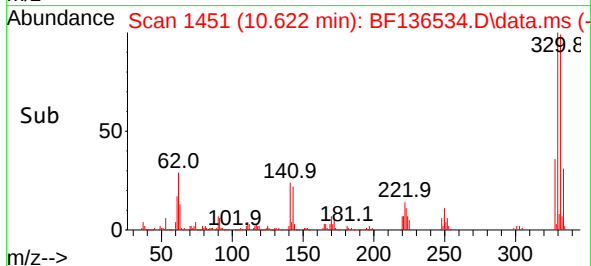
Instrument :
BNA_F
ClientSampleId :
205-199



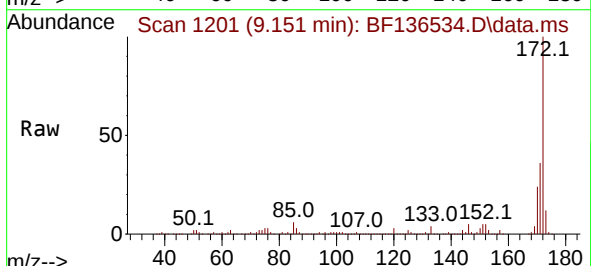
Tgt Ion:330 Resp: 138289
Ion Ratio Lower Upper
330 100
332 96.6 76.4 114.6
141 30.0 23.4 35.2

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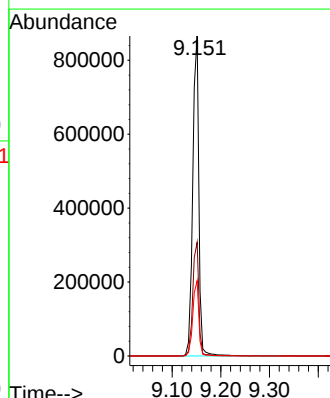
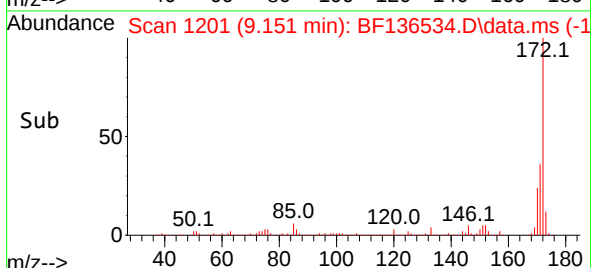
Reviewed By :Yogesh Patel 12/14/2023
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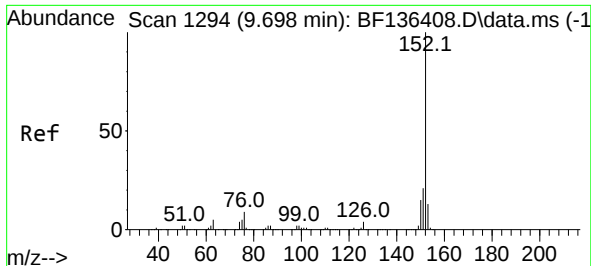


#45
2-Fluorobiphenyl
Concen: 56.673 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05



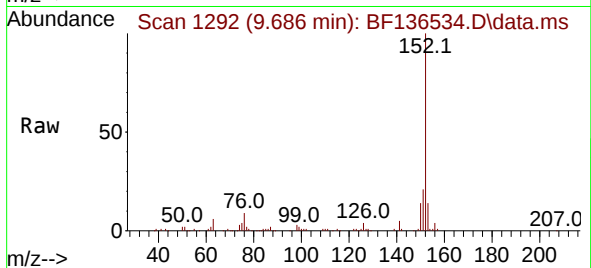
Tgt Ion:172 Resp: 750487
Ion Ratio Lower Upper
172 100
171 35.6 30.5 45.7
170 23.6 19.9 29.9





#49
Acenaphthylene
Concen: 2.315 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

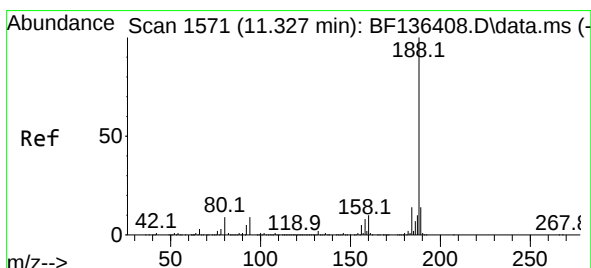
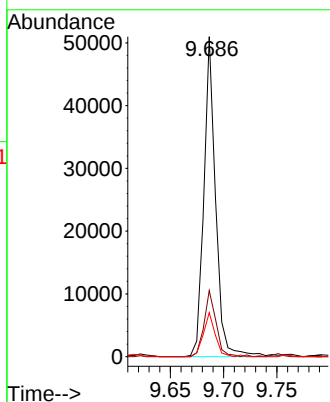
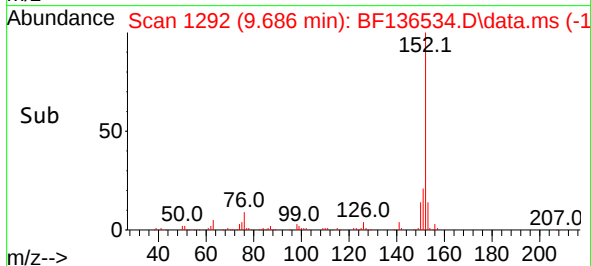
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ClientSampleId :
205-199



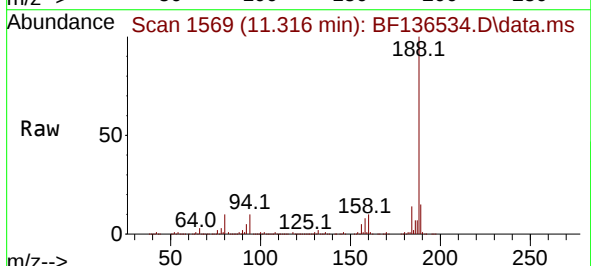
Tgt Ion:152 Resp: 3946
Ion Ratio Lower Upper
152 100
151 20.6 17.2 25.8
153 13.8 10.6 15.8

Manual Integrations
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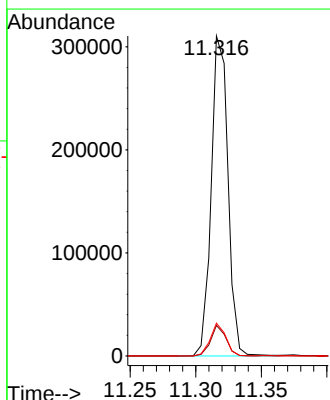
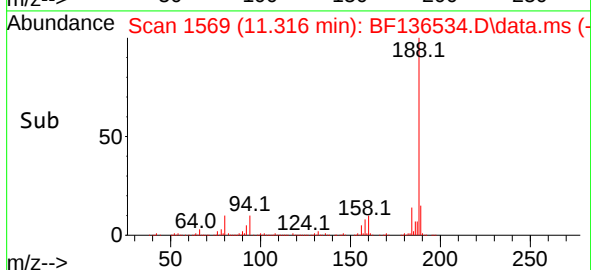
Reviewed By :Yogesh Patel 12/14/2023
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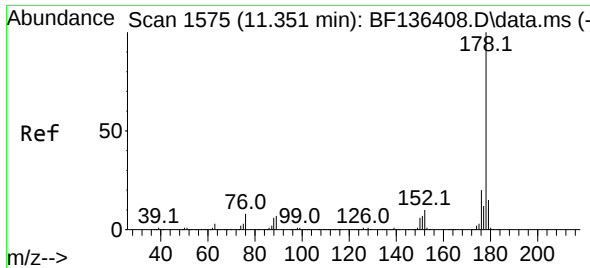


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05



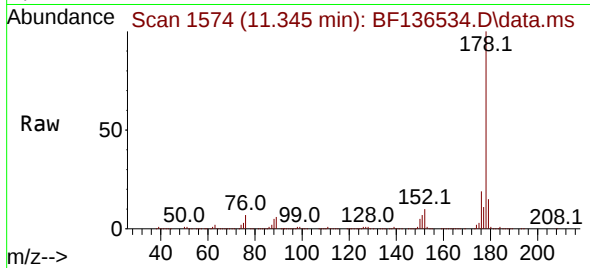
Tgt Ion:188 Resp: 275738
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 10.3 7.2 10.8





#71
Phenanthrene
Concen: 16.556 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

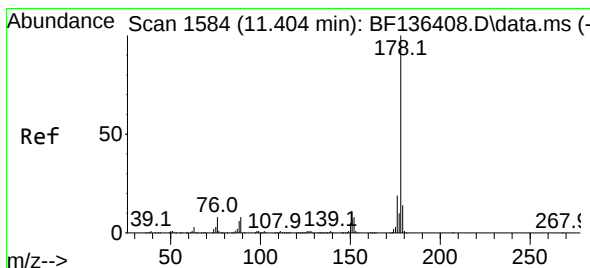
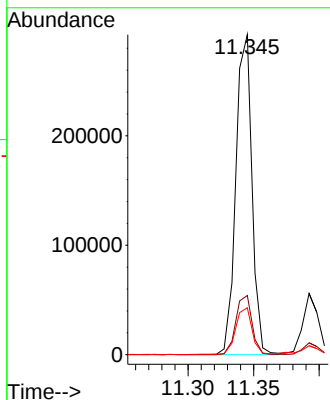
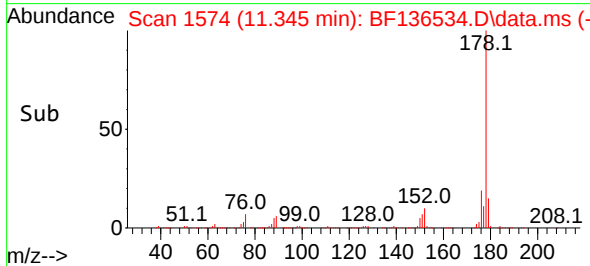
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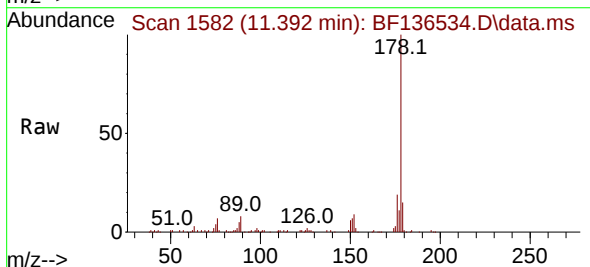
Tgt Ion:178 Resp: 250910
Ion Ratio Lower Upper
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176 18.5 15.9 23.9
179 14.7 11.8 17.6

Manual Integrations
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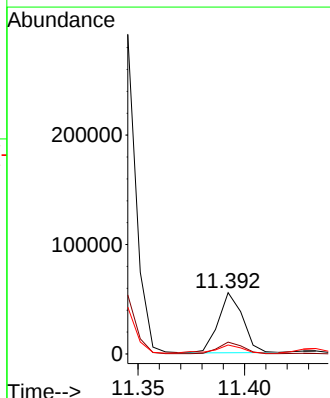
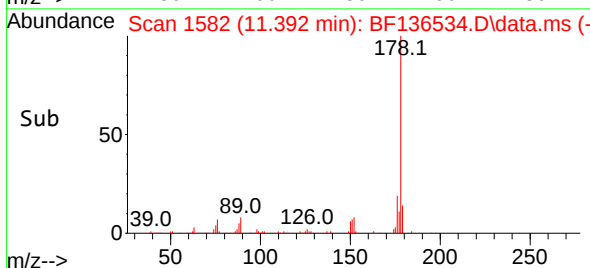
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

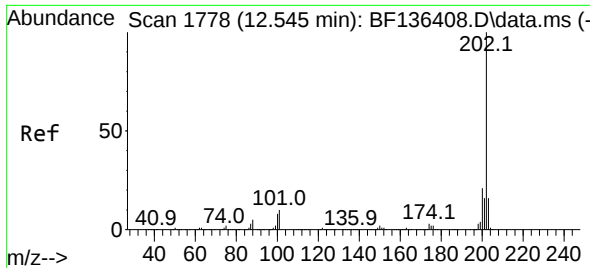


#72
Anthracene
Concen: 2.871 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05



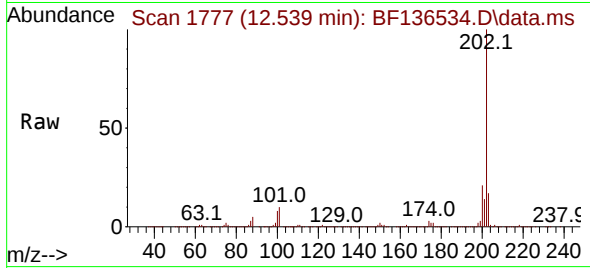
Tgt Ion:178 Resp: 43826
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 14.6 11.4 17.0





#75
Fluoranthene
Concen: 30.209 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

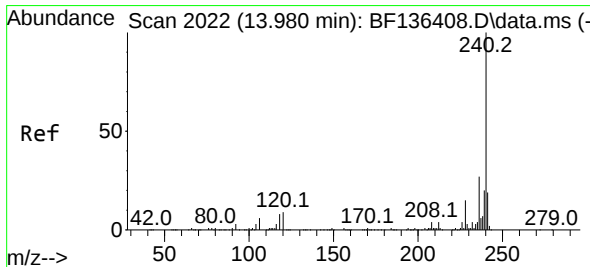
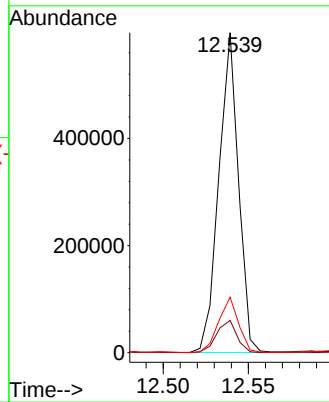
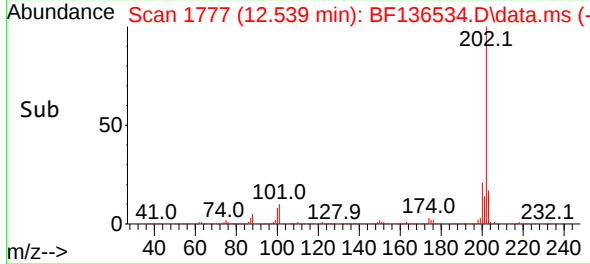
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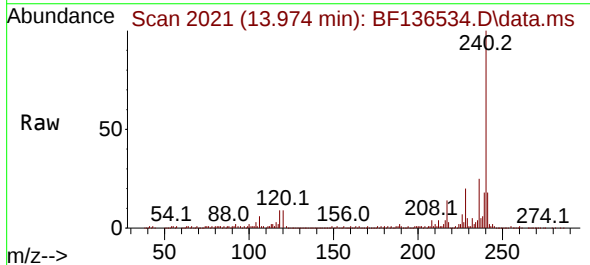
Tgt Ion:202 Resp: 479788
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.9
203 17.3 0.0 36.3

Manual Integrations
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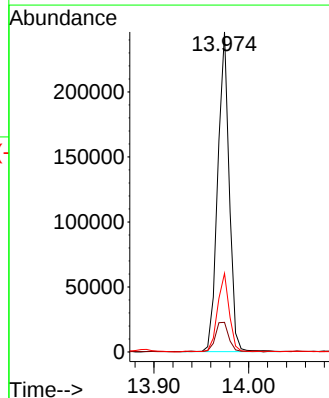
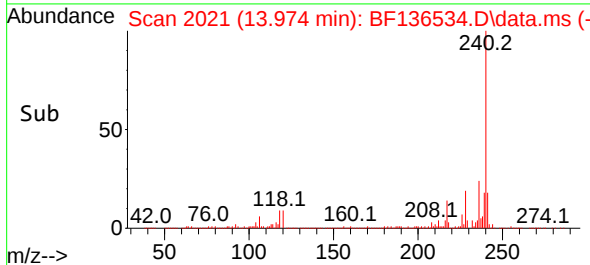
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

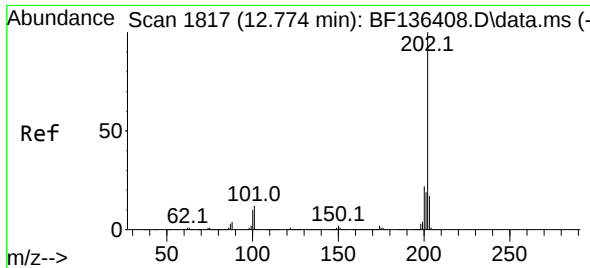


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05



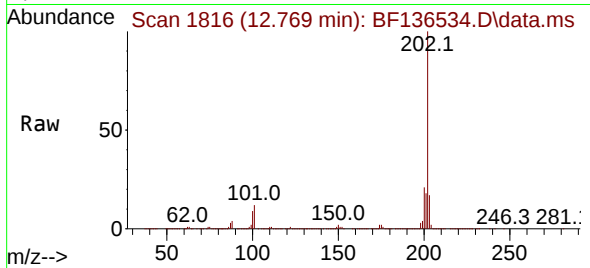
Tgt Ion:240 Resp: 205851
Ion Ratio Lower Upper
240 100
120 9.2 7.3 10.9
236 24.6 21.3 31.9





#78
Pyrene
Concen: 23.613 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

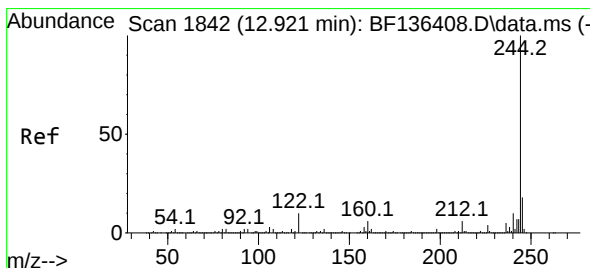
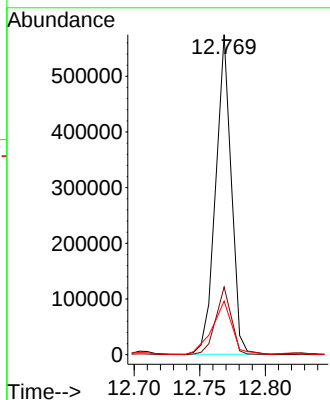
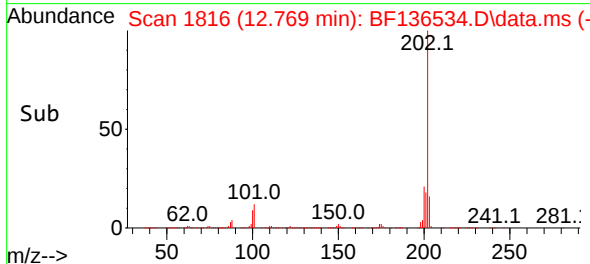
Instrument :
BNA_F
ClientSampleId :
205-199



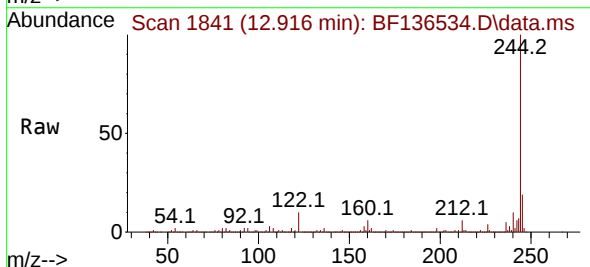
Tgt Ion:202 Resp: 476050
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 16.8 13.5 20.3

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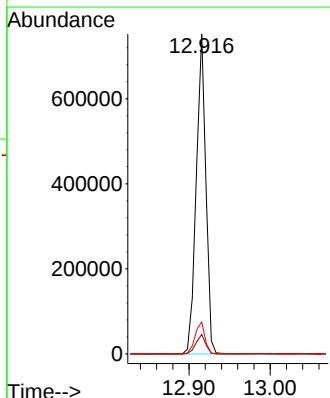
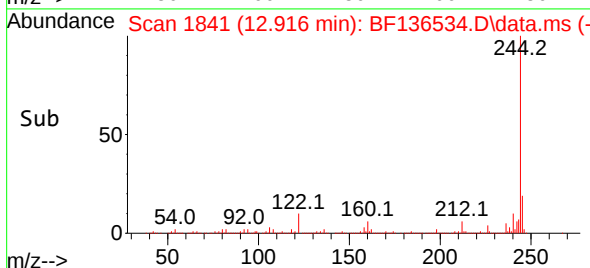
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

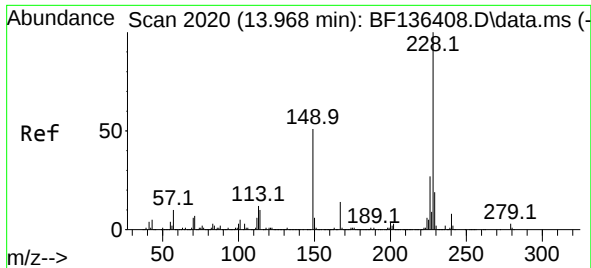


#79
Terphenyl-d14
Concen: 39.826 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05



Tgt Ion:244 Resp: 621994
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 10.0 8.3 12.5





#81
Benzo(a)anthracene
Concen: 18.330 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

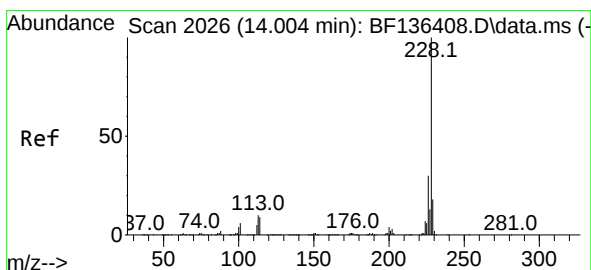
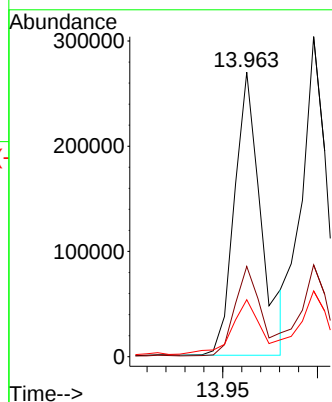
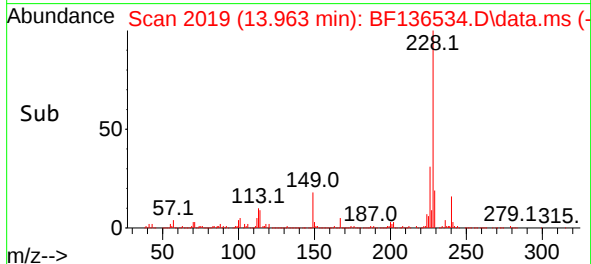
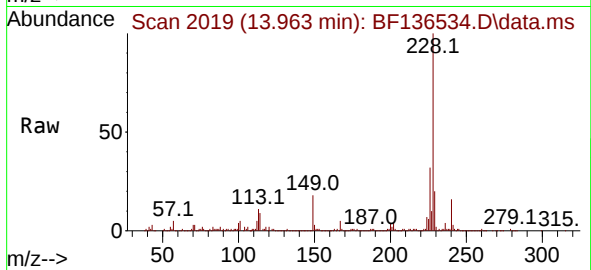
ClientSampleId :

205-199

Tgt Ion:228 Resp: 262829
Ion Ratio Lower Upper
228 100
226 31.7 21.8 32.8
229 20.0 15.0 22.4

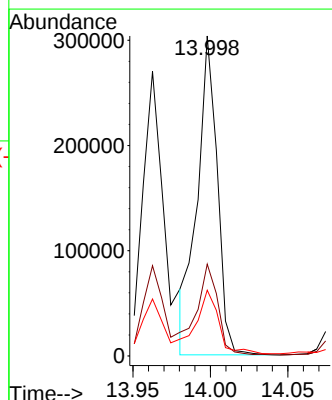
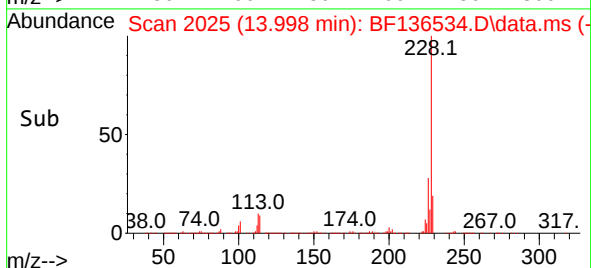
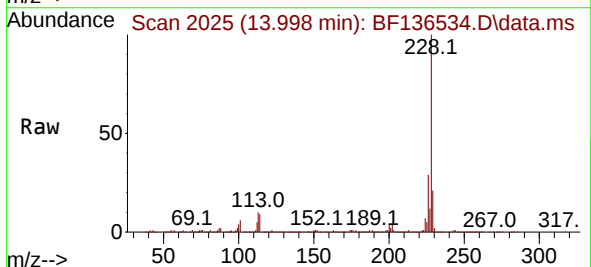
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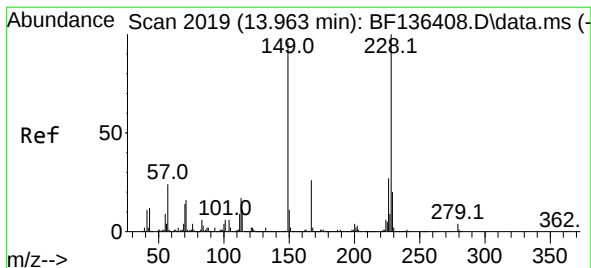
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#83
Chrysene
Concen: 19.328 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:228 Resp: 272674
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.6
229 20.6 14.8 22.2





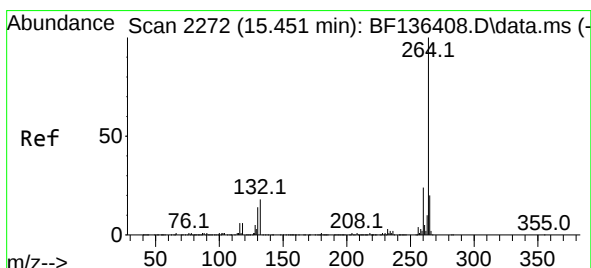
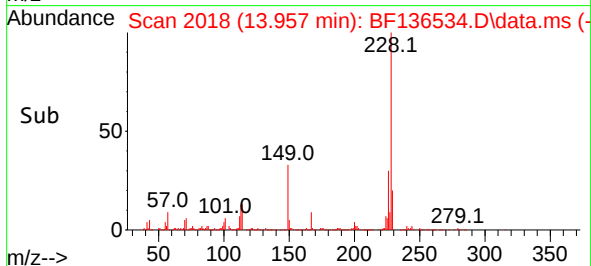
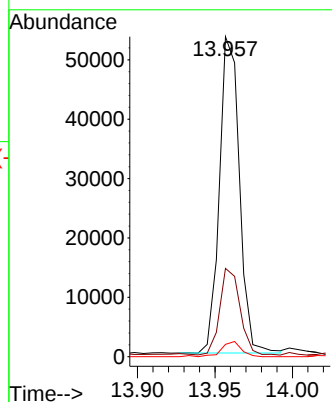
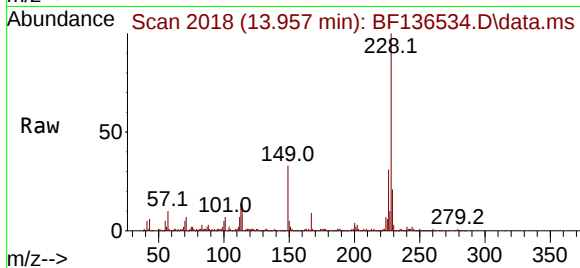
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.444 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Instrument :
BNA_F
ClientSampleId :
205-199

Tgt Ion:149 Resp: 47900
Ion Ratio Lower Upper
149 100
167 27.6 21.2 31.8
279 3.8 3.1 4.7

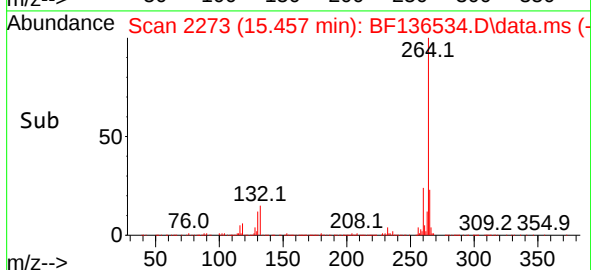
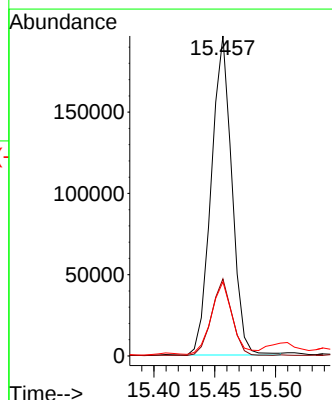
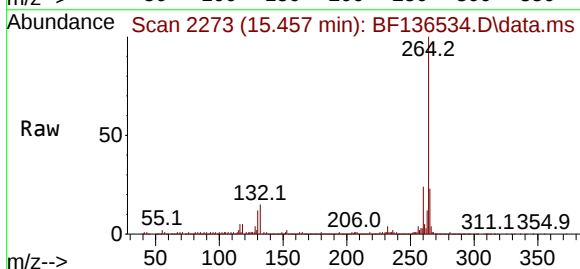
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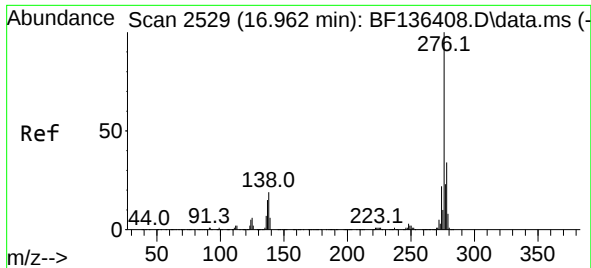
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:264 Resp: 231188
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 23.2 15.9 23.9





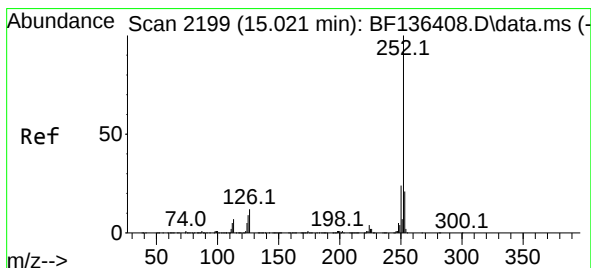
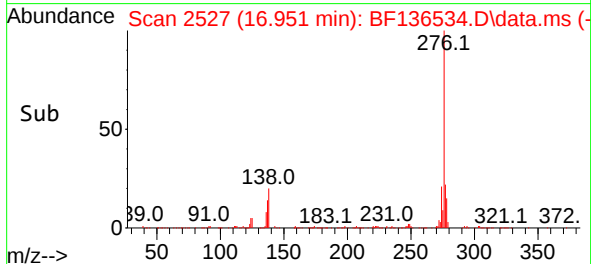
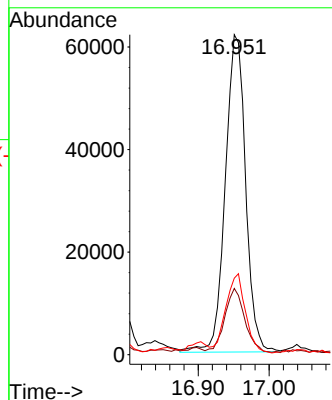
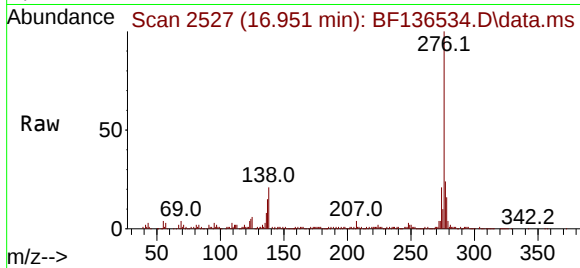
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.688 ng
RT: 16.951 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Instrument :
BNA_F
ClientSampleId :
205-199

Tgt Ion:276 Resp: 12347
Ion Ratio Lower Upper
276 100
138 19.8 19.0 28.4
277 24.1 20.0 30.0

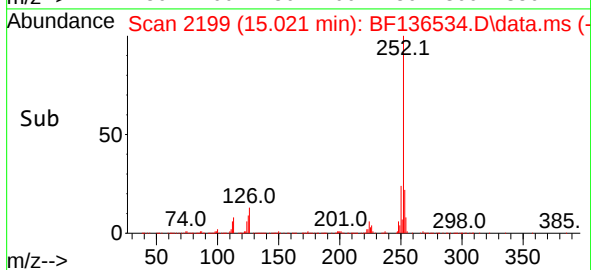
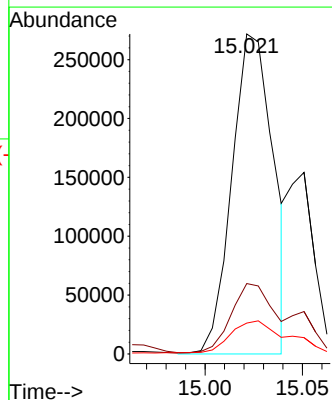
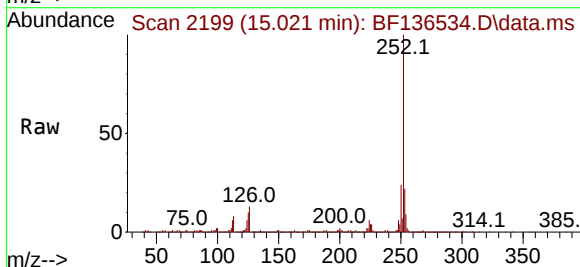
Manual Integrations
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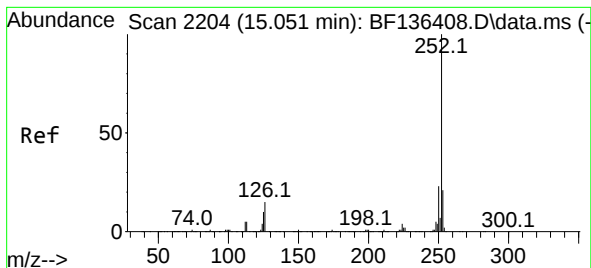
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#88
Benzo(b)fluoranthene
Concen: 25.489 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:252 Resp: 402900
Ion Ratio Lower Upper
252 100
253 22.0 16.9 25.3
125 9.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 9.465 ng m

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

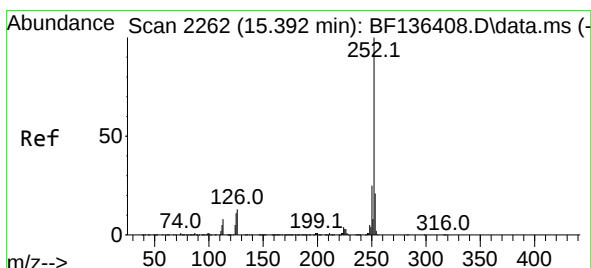
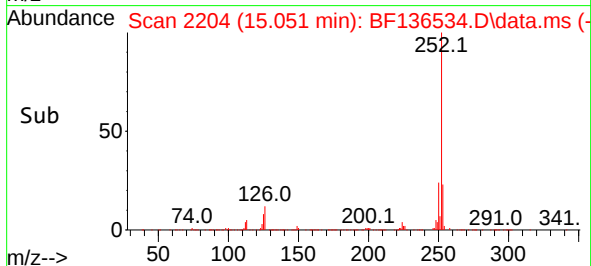
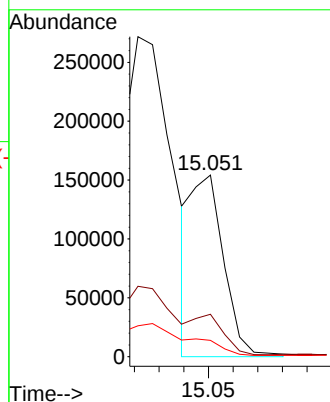
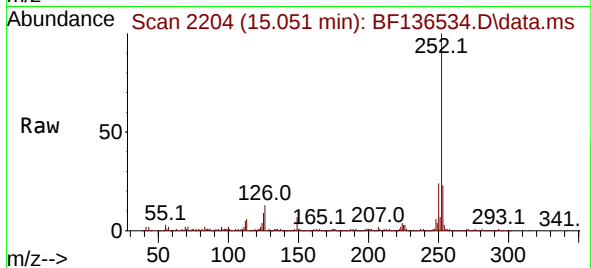
205-199

Tgt Ion:252 Resp: 140990
 Ion Ratio Lower Upper
 252 100
 253 23.3 16.9 25.3
 125 9.0 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#90

Benzo(a)pyrene

Concen: 19.012 ng

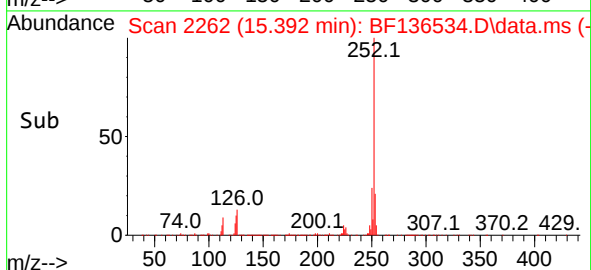
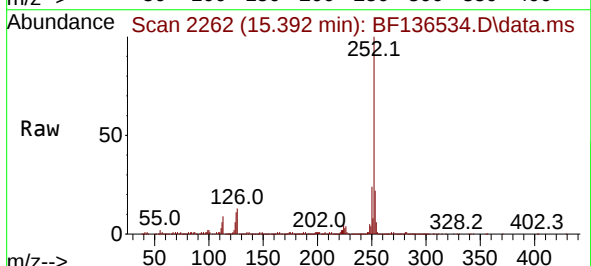
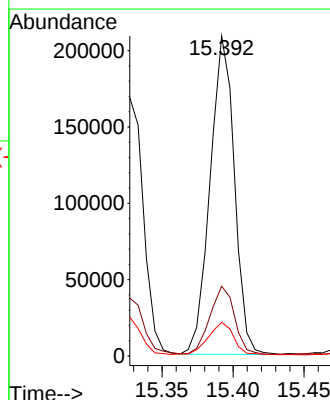
RT: 15.392 min Scan# 2262

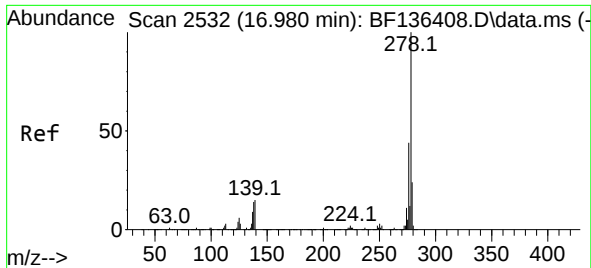
Delta R.T. 0.000 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Tgt Ion:252 Resp: 248187
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.0 25.4
 125 10.5 8.6 13.0





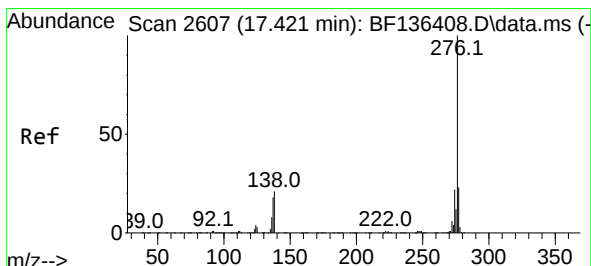
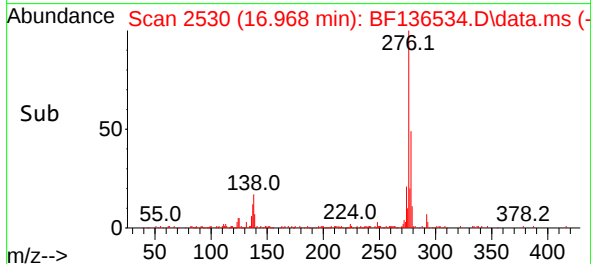
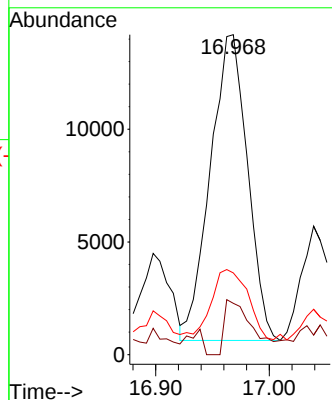
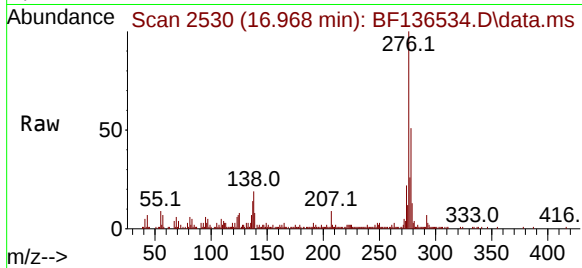
#91
Dibenzo(a,h)anthracene
Concen: 2.344 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Instrument :
BNA_F
ClientSampleId :
205-199

Tgt Ion:278 Resp: 3084
Ion Ratio Lower Upper
278 100
139 16.1 12.2 18.4
279 25.5 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#92
Benzo(g,h,i)perylene
Concen: 8.140 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:276 Resp: 109934
Ion Ratio Lower Upper
276 100
277 25.9 18.7 28.1
138 21.9 16.6 25.0

