

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122823\
 Data File : BF136815.D
 Acq On : 29 Dec 2023 02:26
 Operator : CG\JU
 Sample : 06035-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-5-122723

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/29/2023
 Supervised By :mohammad ahmed 12/29/2023

Quant Time: Dec 29 02:59:30 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	49977	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	151241	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	67671	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	148935	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	116960	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	83728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	72339	22.584	ng	0.00
7) Phenol-d6	6.428	99	76552	18.444	ng	-0.01
23) Nitrobenzene-d5	7.339	82	43663	14.773	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	18536	23.258	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	81560	16.210	ng	-0.02
79) Terphenyl-d14	12.904	244	122799	14.672	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	13145	3.214	ng	95
55) Dibenzofuran	10.022	168	15333	2.473	ng	99
58) Fluorene	10.363	166	22875	4.650	ng	90
71) Phenanthrene	11.333	178	240573	31.481	ng	99
72) Anthracene	11.386	178	60120	7.768	ng	99
73) Carbazole	11.545	167	18238	2.499	ng	98
75) Fluoranthene	12.527	202	343133	41.977	ng	98
78) Pyrene	12.762	202	306380	26.684	ng	99
81) Benzo(a)anthracene	13.957	228	131122	16.145	ng	98
83) Chrysene	13.992	228	101871	12.827	ng	97
87) Indeno(1,2,3-cd)pyrene	16.950	276	40089	6.631	ng	96
88) Benzo(b)fluoranthene	15.015	252	97300m	17.399	ng	
89) Benzo(k)fluoranthene	15.039	252	30485m	5.769	ng	
90) Benzo(a)pyrene	15.386	252	67613	14.323	ng	94
92) Benzo(g,h,i)perylene	17.409	276	37059	7.296	ng	# 91

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

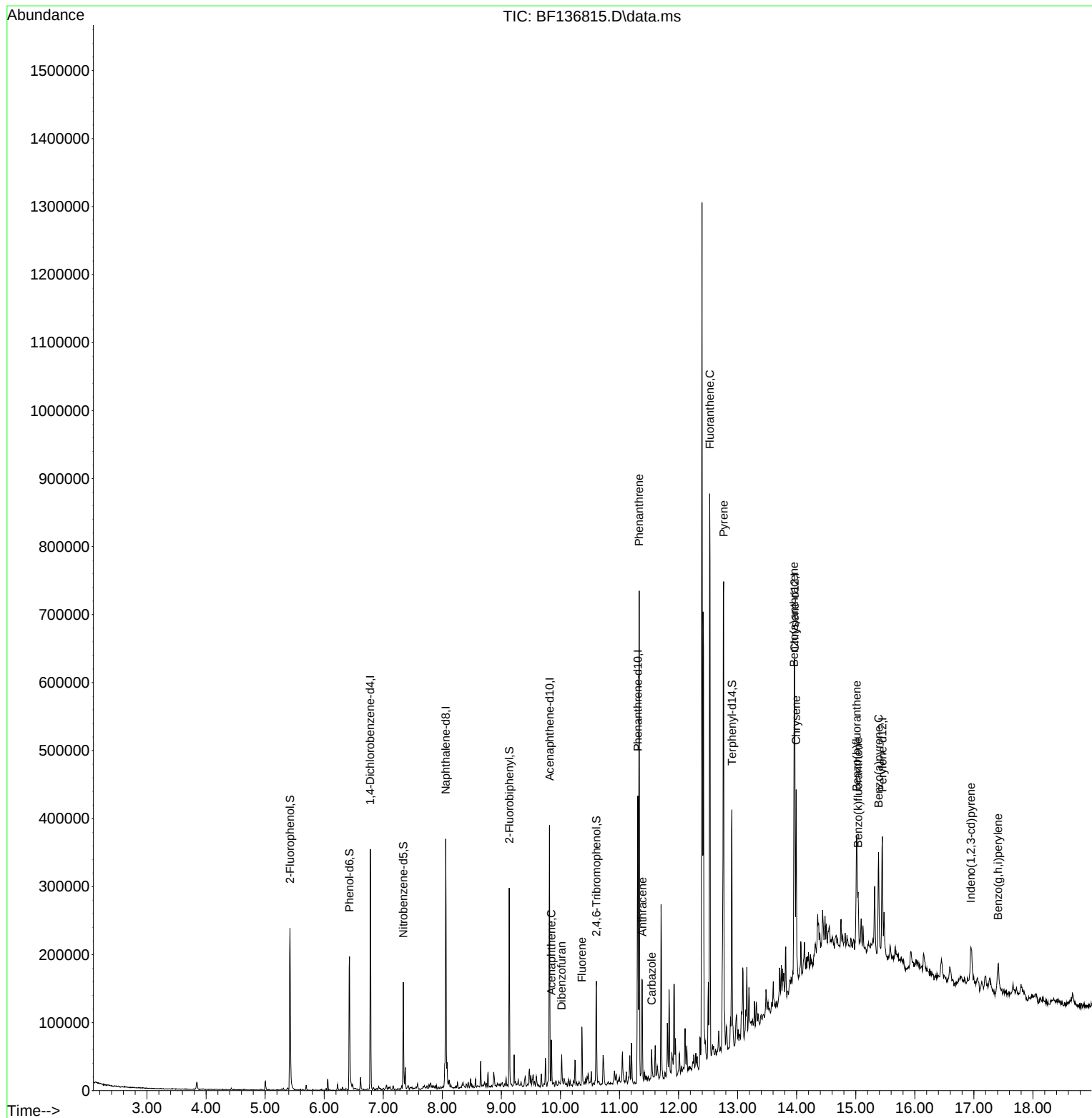
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122823\
Data File : BF136815.D
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ALS Vial : 21 Sample Multiplier: 1

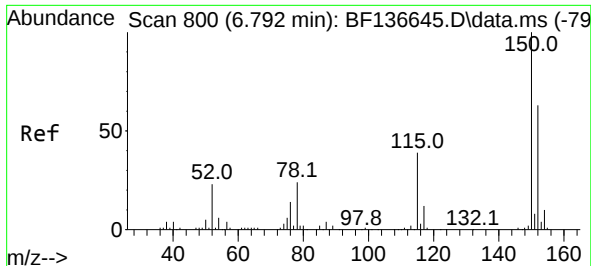
Instrument :
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TR-5-122723

Quant Time: Dec 29 02:59:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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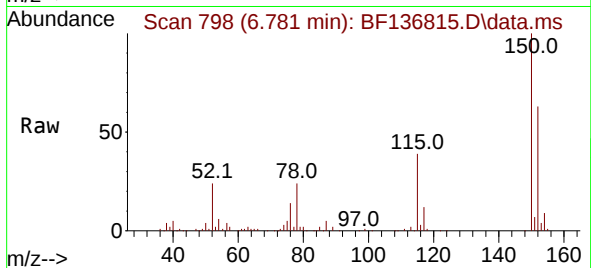
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

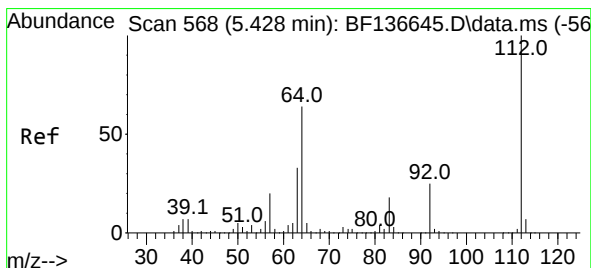
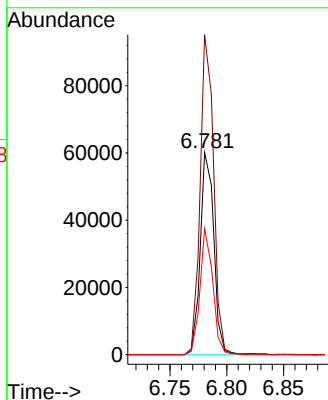
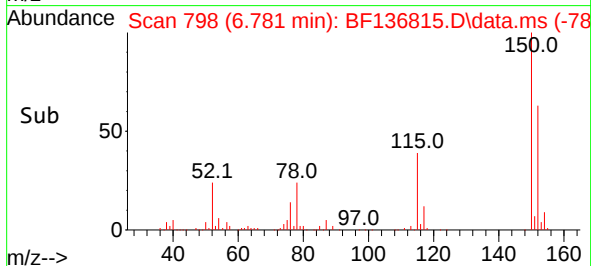
Instrument :
BNA_F
ClientSampleId :
TR-5-122723



Tgt Ion:152 Resp: 4997
Ion Ratio Lower Upper
152 100
150 158.2 127.0 190.6
115 62.3 49.0 73.4

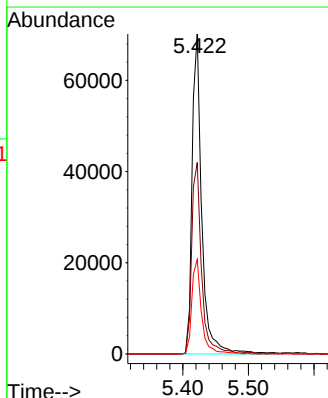
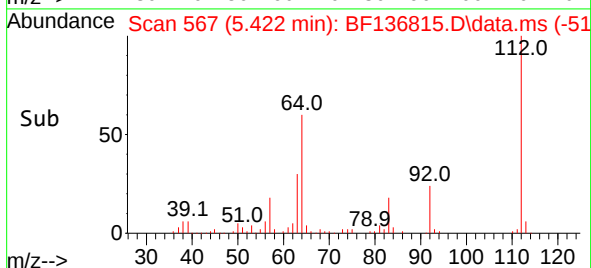
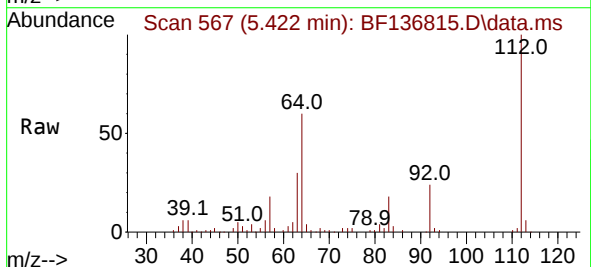
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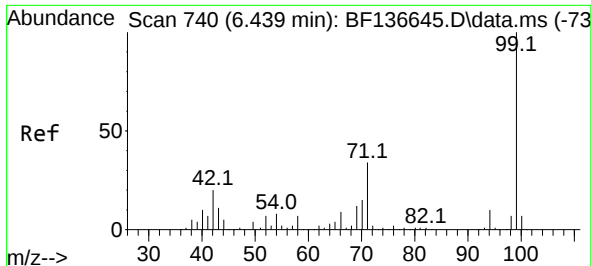
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023



#5
2-Fluorophenol
Concen: 22.584 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

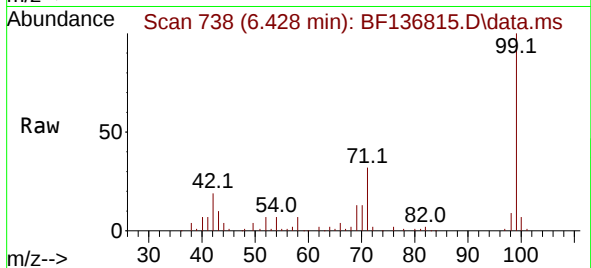
Tgt Ion:112 Resp: 72339
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 29.5 26.1 39.1





#7
Phenol-d6
Concen: 18.444 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

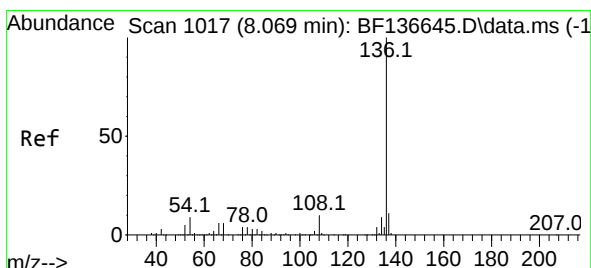
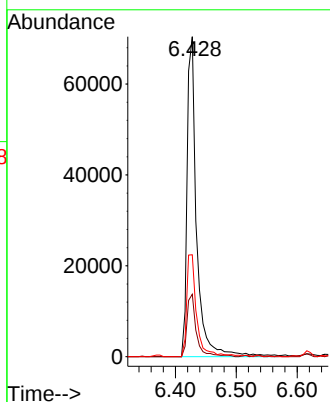
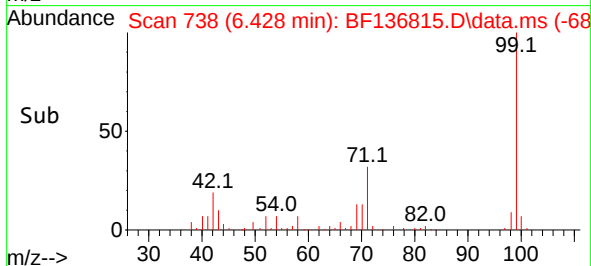
Instrument :
BNA_F
ClientSampleId :
TR-5-122723



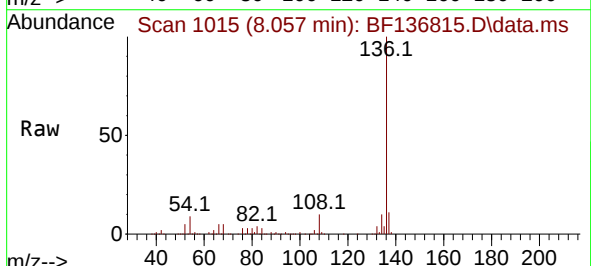
Tgt Ion: 99 Resp: 76552
Ion Ratio Lower Upper
99 100
42 19.5 16.1 24.1
71 31.9 27.4 41.2

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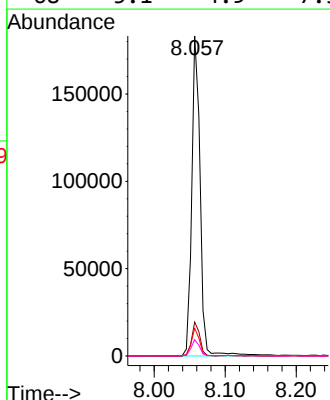
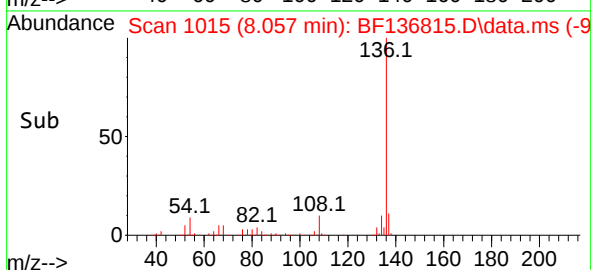
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023

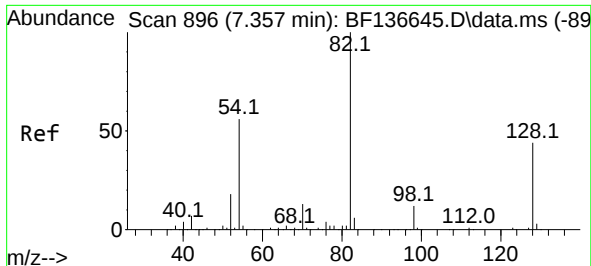


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26



Tgt Ion:136 Resp: 151241
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.6 7.2 10.8
68 5.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 14.773 ng
RT: 7.339 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

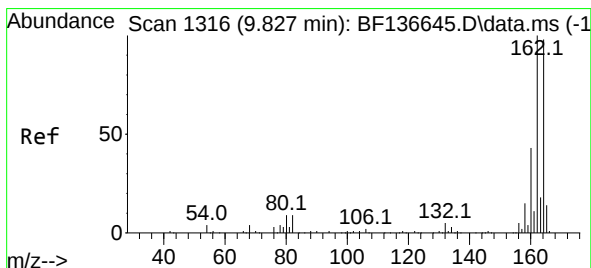
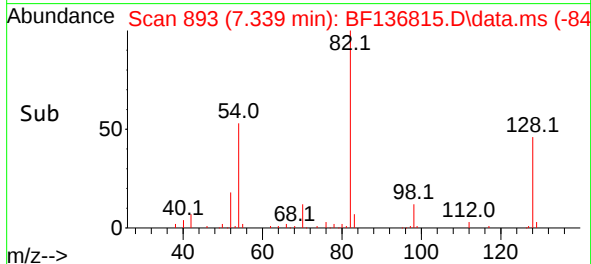
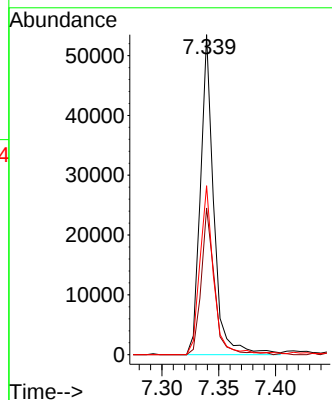
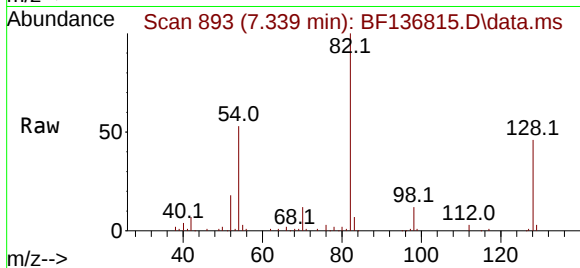
ClientSampleId :

TR-5-122723

Tgt Ion: 82 Resp: 4366
Ion Ratio Lower Upper
82 100
128 45.8 35.3 52.9
54 52.8 44.5 66.7

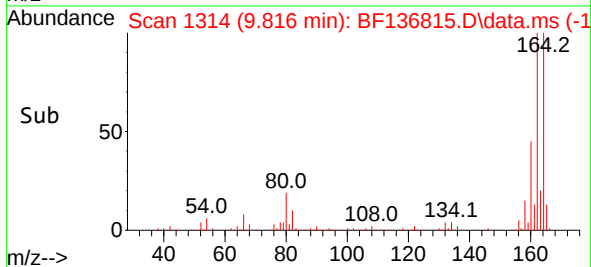
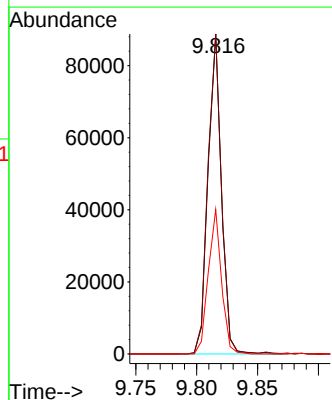
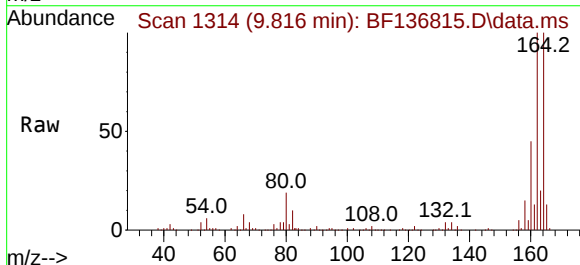
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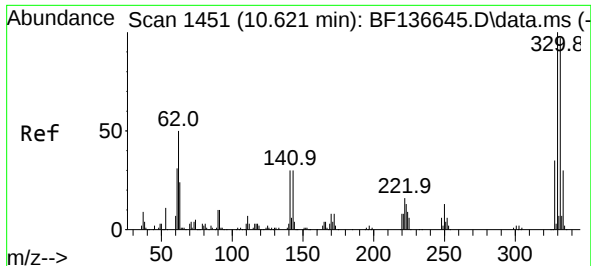
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:164 Resp: 67671
Ion Ratio Lower Upper
164 100
162 99.9 81.6 122.4
160 45.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 23.258 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

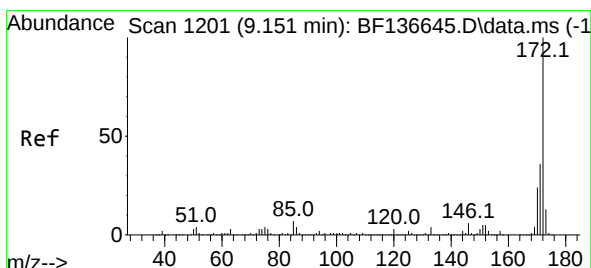
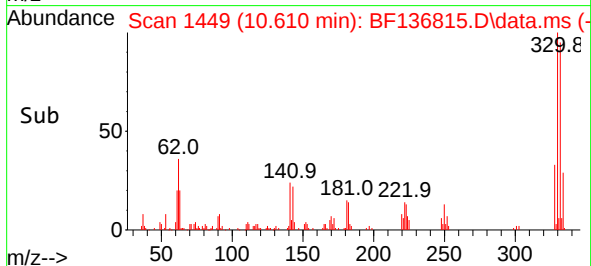
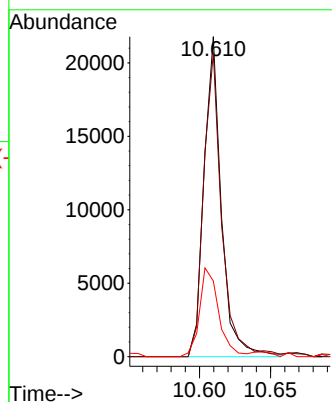
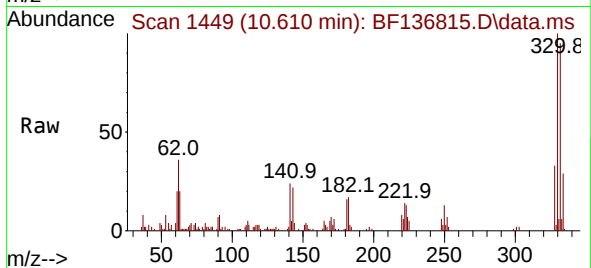
TR-5-122723

Tgt Ion:330 Resp: 18530
Ion Ratio Lower Upper
330 100
332 99.6 77.4 116.0
141 30.6 23.4 35.2

Manual Integrations

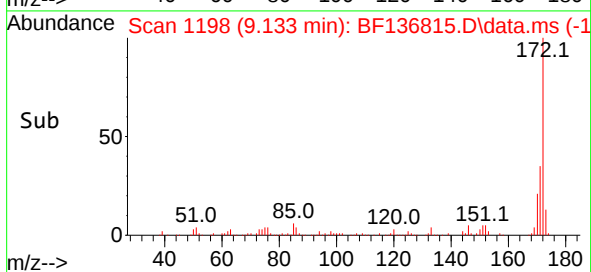
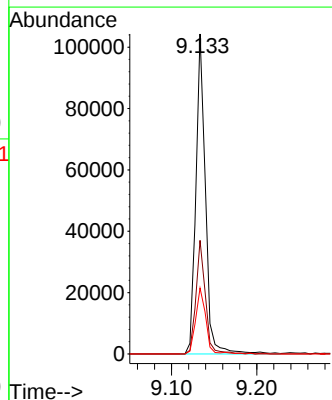
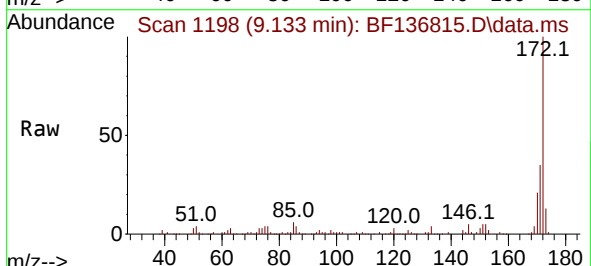
APPROVED

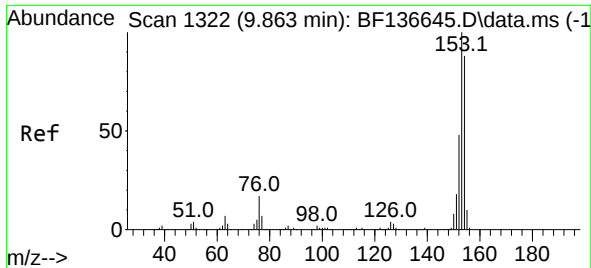
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023



#45
2-Fluorobiphenyl
Concen: 16.210 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:172 Resp: 81560
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.6
170 20.6 19.0 28.4





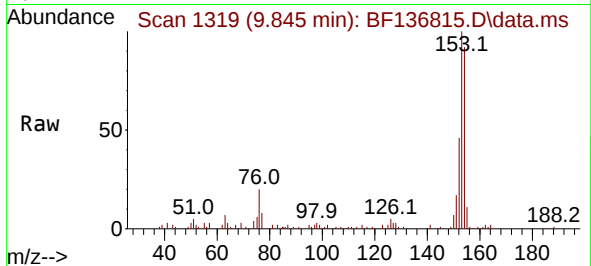
#52
Acenaphthene
Concen: 3.214 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

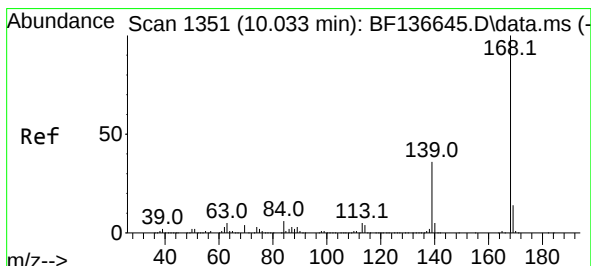
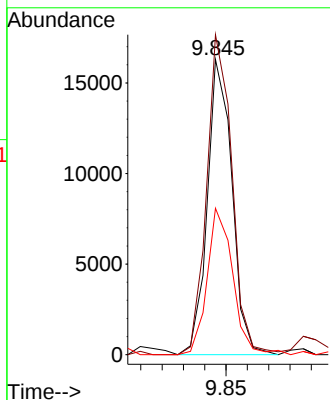
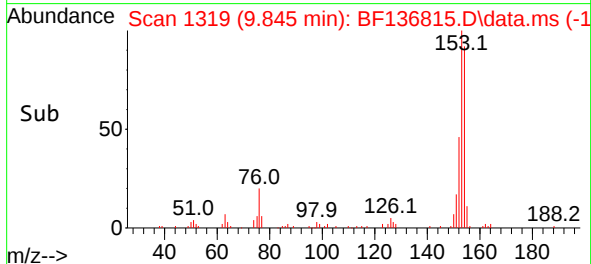


Tgt Ion:154 Resp: 1314
Ion Ratio Lower Upper
154 100
153 108.4 90.7 136.1
152 49.6 43.7 65.5

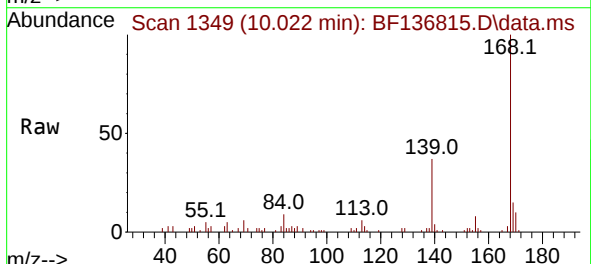
Manual Integrations

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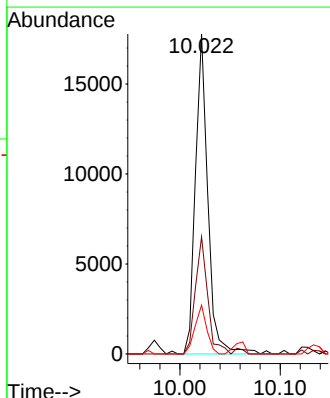
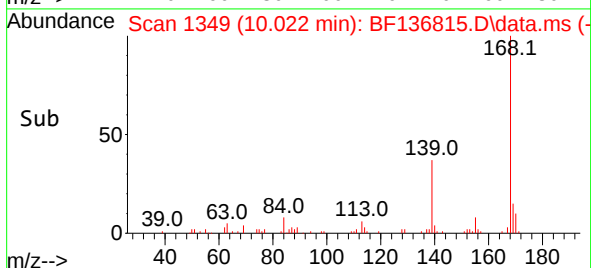
Reviewed By :Yogesh Patel 12/29/2023
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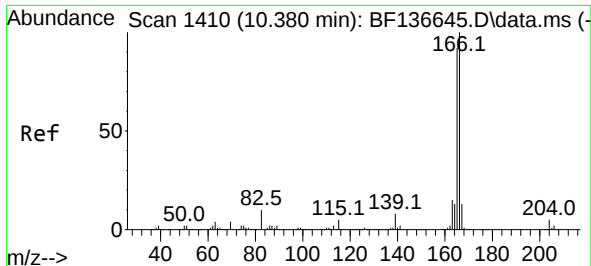


#55
Dibenzofuran
Concen: 2.473 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26



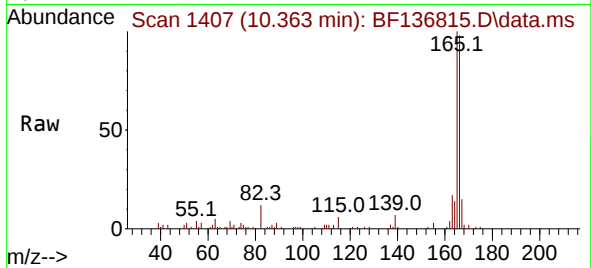
Tgt Ion:168 Resp: 15333
Ion Ratio Lower Upper
168 100
139 36.6 29.3 43.9
169 15.2 11.0 16.4





#58
Fluorene
Concen: 4.650 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

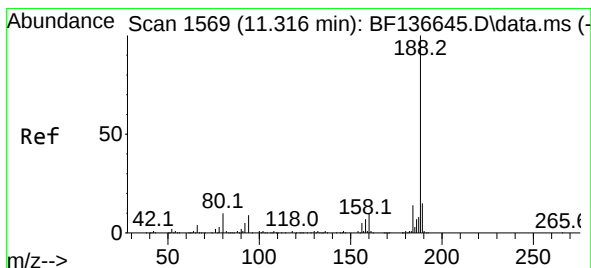
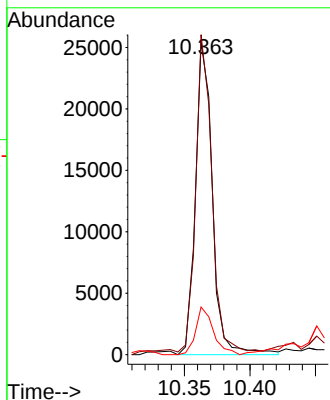
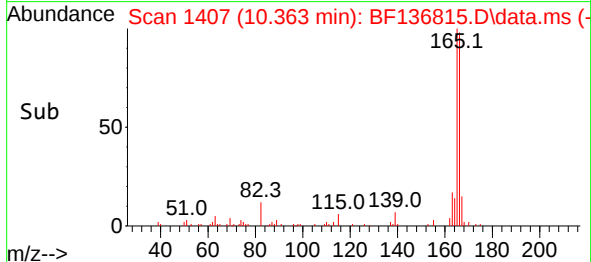
Instrument :
BNA_F
ClientSampleId :
TR-5-122723



Tgt Ion:166 Resp: 22875
Ion Ratio Lower Upper
166 100
165 102.5 73.7 110.5
167 15.3 10.4 15.6

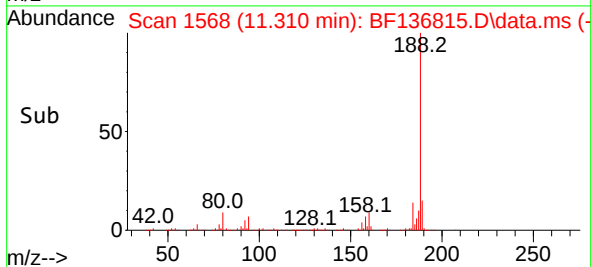
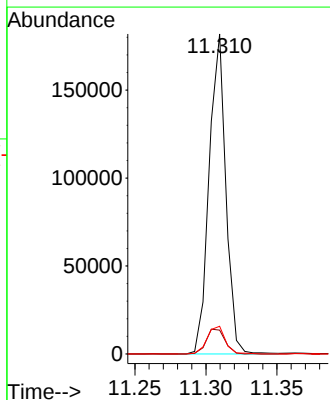
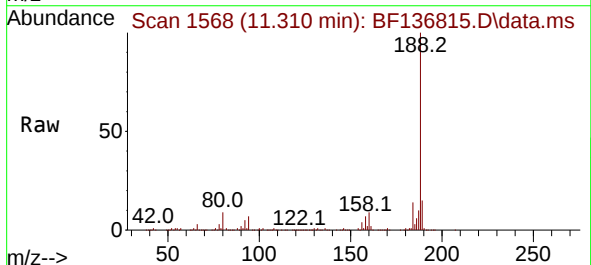
Manual Integrations
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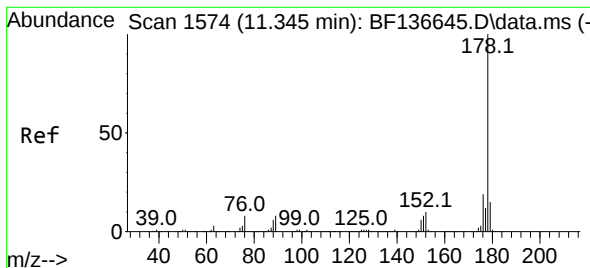
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:188 Resp: 148935
Ion Ratio Lower Upper
188 100
94 7.5 7.5 11.3#
80 8.6 8.1 12.1





#71

Phenanthrene

Concen: 31.481 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

Tgt Ion:178 Resp: 24057

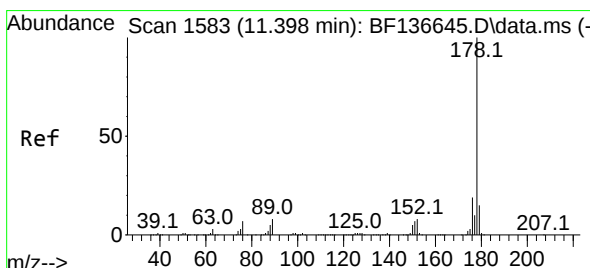
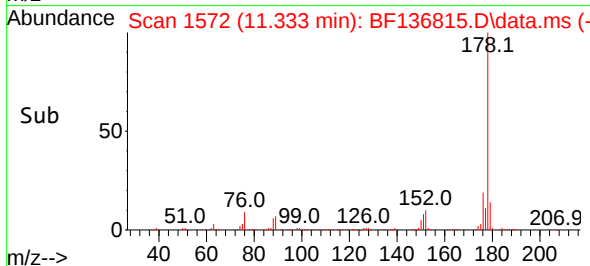
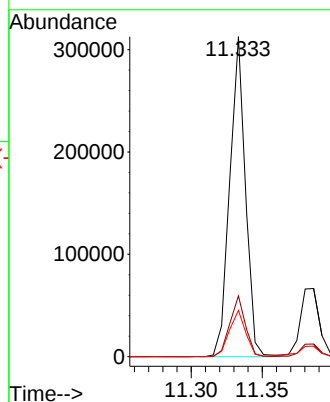
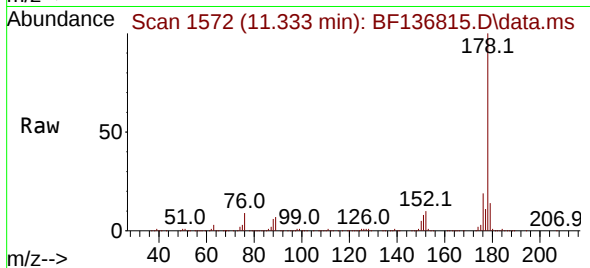
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	14.5	11.9	17.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#72

Anthracene

Concen: 7.768 ng

RT: 11.386 min Scan# 1581

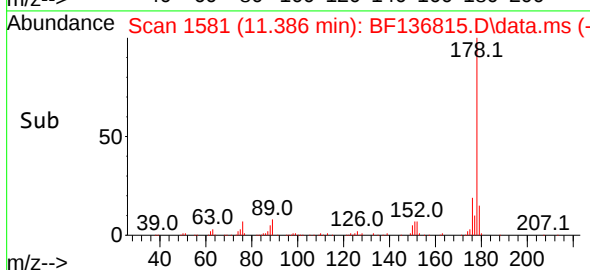
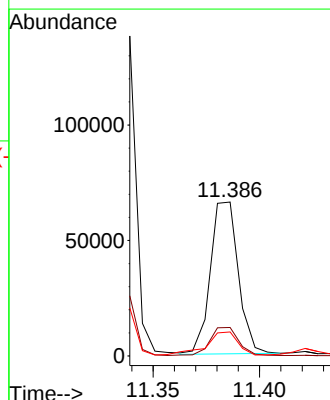
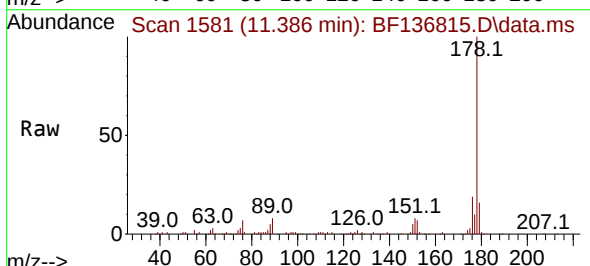
Delta R.T. -0.012 min

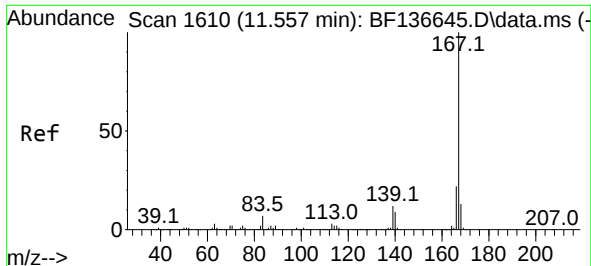
Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Tgt Ion:178 Resp: 60120

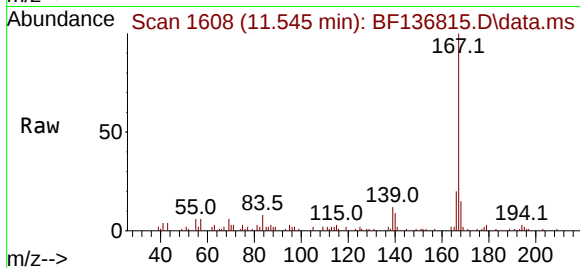
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	11.8	17.6





#73
 Carbazole
 Concen: 2.499 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

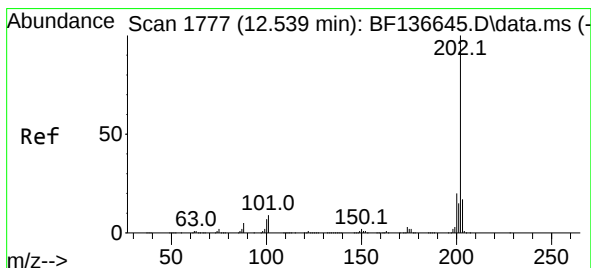
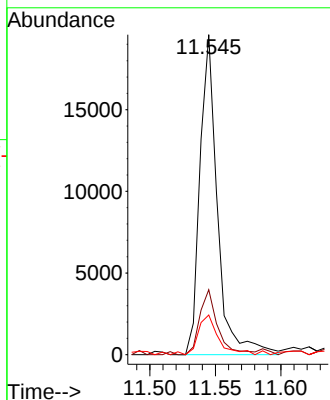
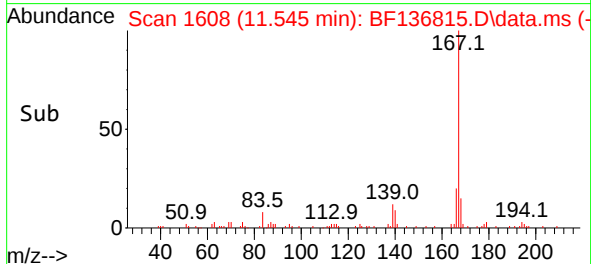
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-122723



Tgt Ion:167 Resp: 18238
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.3 25.9
 139 12.4 9.8 14.6

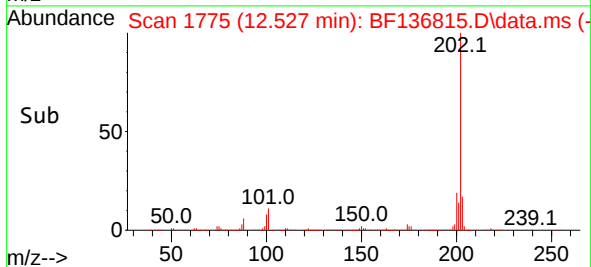
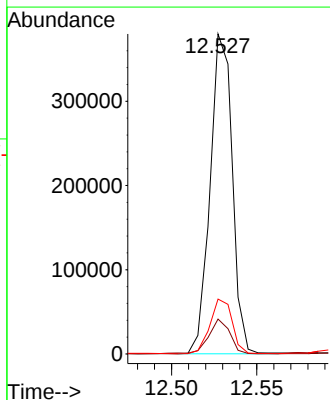
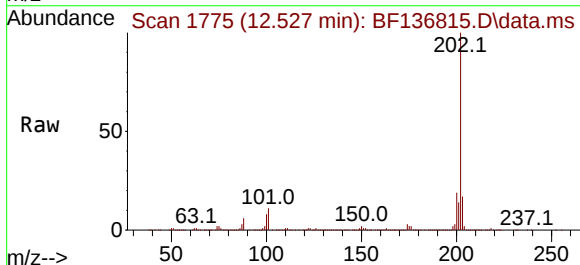
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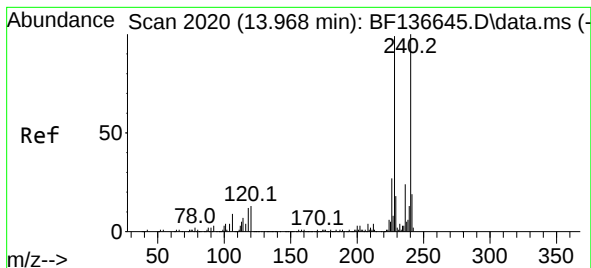
Reviewed By :Yogesh Patel 12/29/2023
 Supervised By :mohammad ahmed 12/29/2023



#75
 Fluoranthene
 Concen: 41.977 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

Tgt Ion:202 Resp: 343133
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.3
 203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

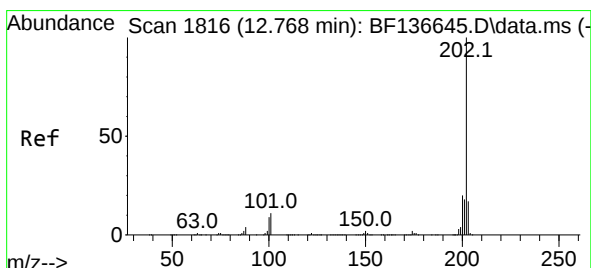
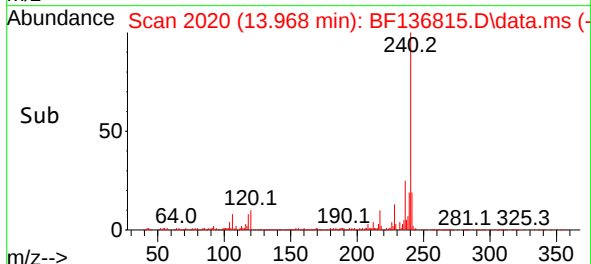
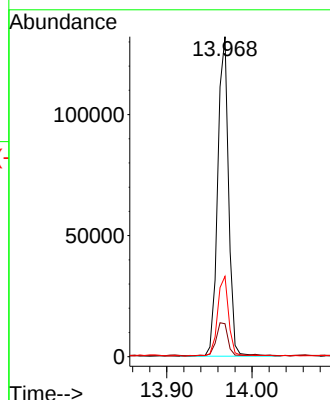
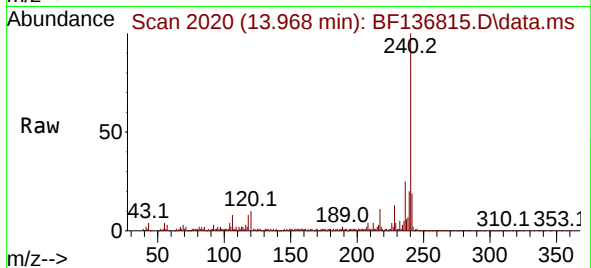
Tgt Ion:240 Resp: 116960
 Ion Ratio Lower Upper
 240 100
 120 10.3 10.3 15.5
 236 25.1 19.4 29.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#78

Pyrene

Concen: 26.684 ng

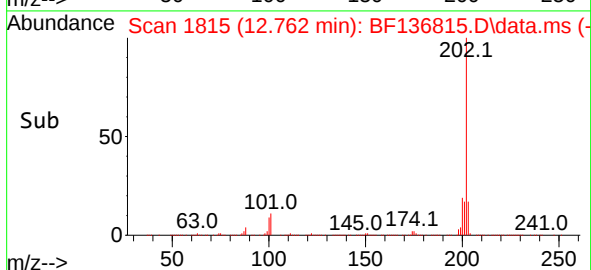
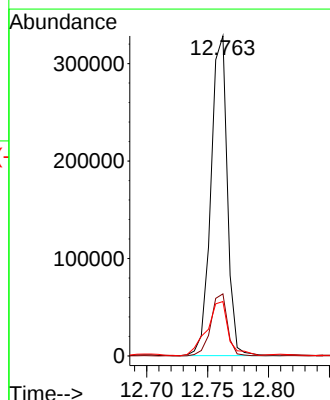
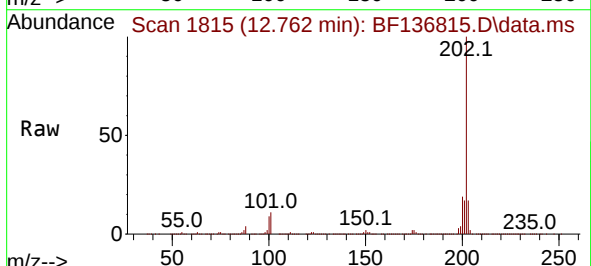
RT: 12.762 min Scan# 1815

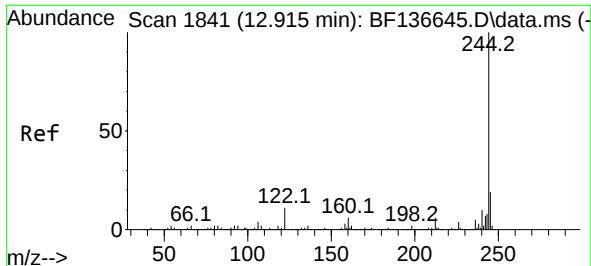
Delta R.T. -0.006 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Tgt Ion:202 Resp: 306380
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.9 23.9
 203 17.0 13.8 20.6





#79
 Terphenyl-d14
 Concen: 14.672 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

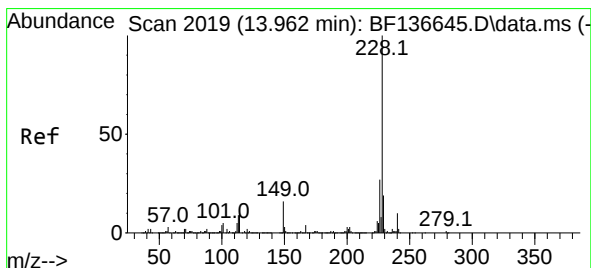
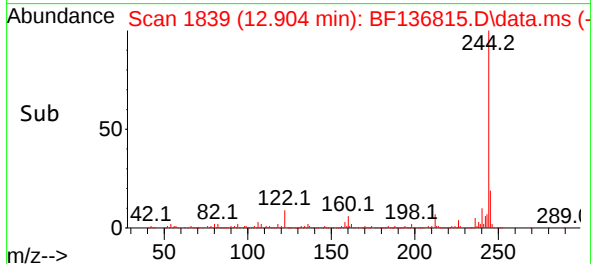
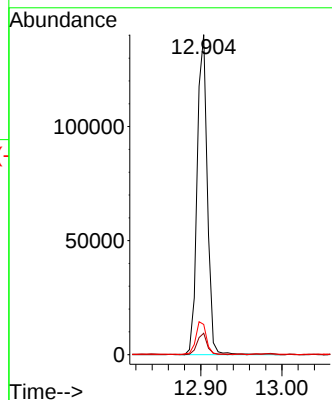
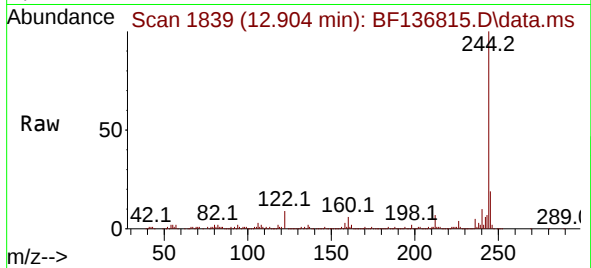
TR-5-122723

Tgt Ion:244 Resp: 122799
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.0 7.4
 122 9.5 9.0 13.4

Manual Integrations

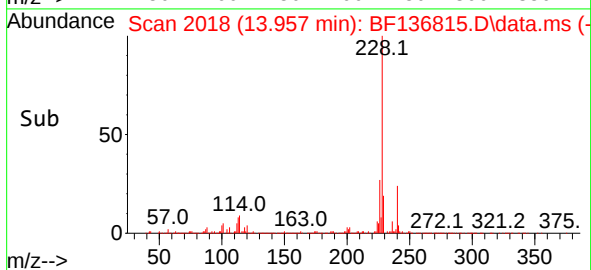
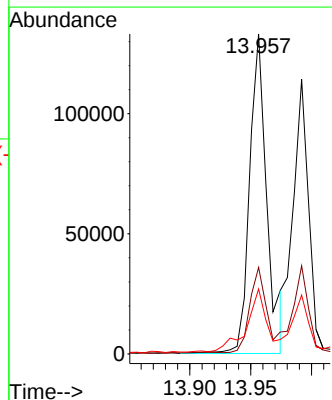
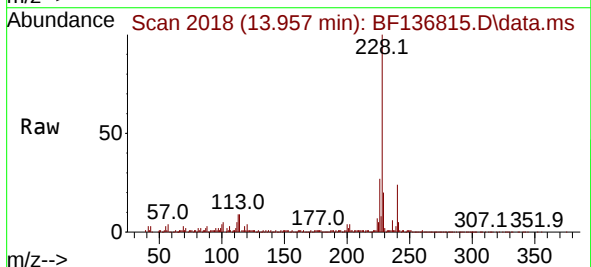
APPROVED

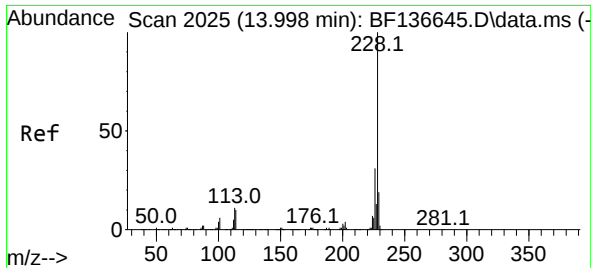
Reviewed By :Yogesh Patel 12/29/2023
 Supervised By :mohammad ahmed 12/29/2023



#81
 Benzo(a)anthracene
 Concen: 16.145 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

Tgt Ion:228 Resp: 131122
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.4 32.0
 229 20.3 14.9 22.3





#83
Chrysene
Concen: 12.827 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

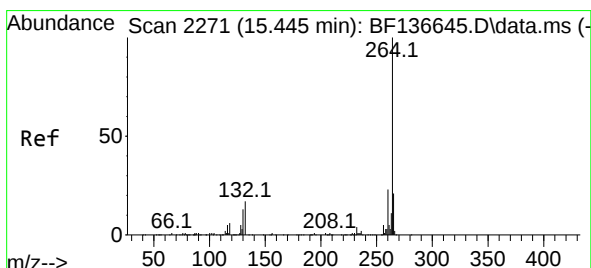
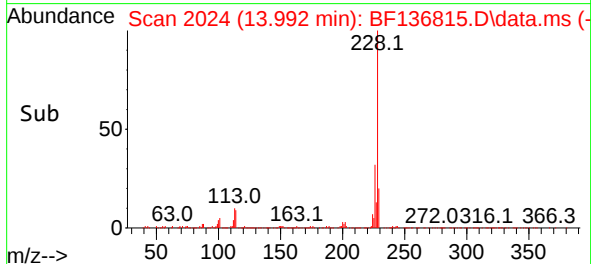
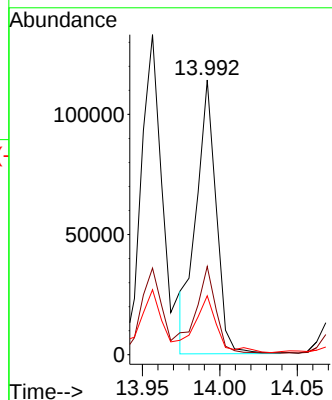
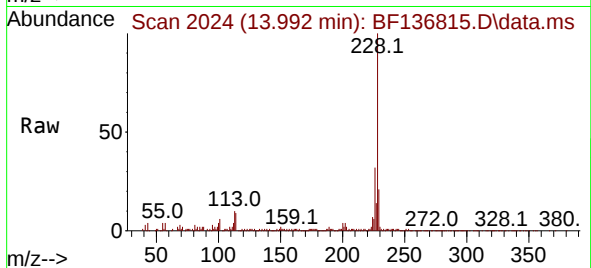
TR-5-122723

Tgt Ion:228 Resp: 10187
Ion Ratio Lower Upper
228 100
226 32.1 24.7 37.1
229 21.4 15.4 23.0

Manual Integrations

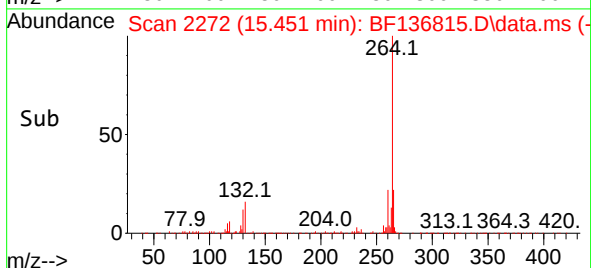
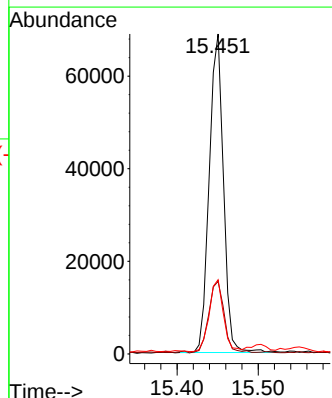
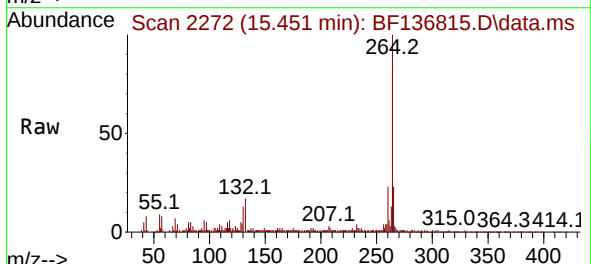
APPROVED

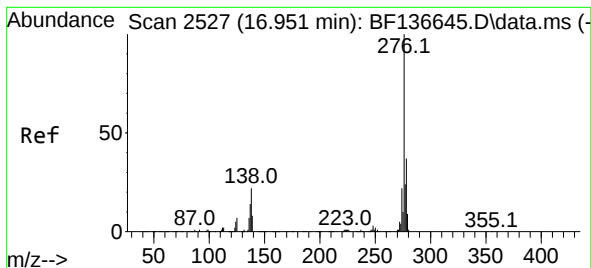
Reviewed By :Yogesh Patel 12/29/2023
Supervised By :mohammad ahmed 12/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:264 Resp: 83728
Ion Ratio Lower Upper
264 100
260 22.7 18.3 27.5
265 23.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.631 ng

RT: 16.950 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

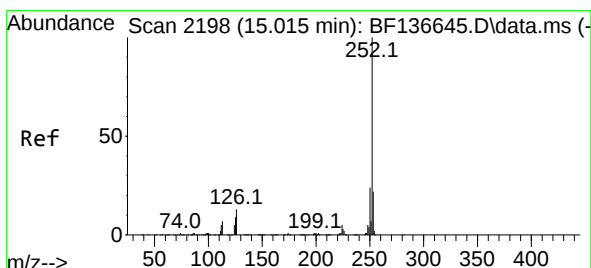
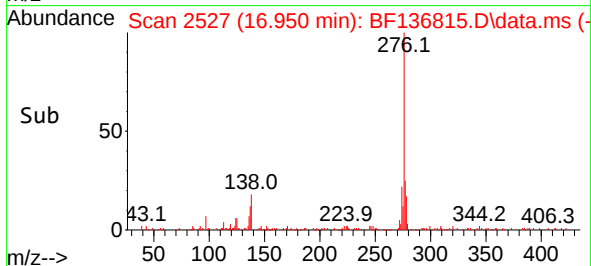
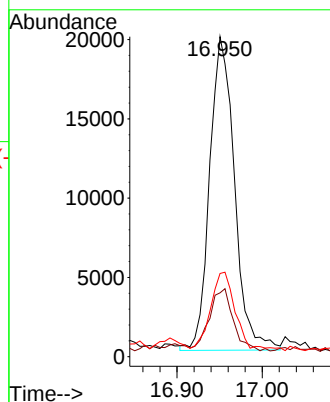
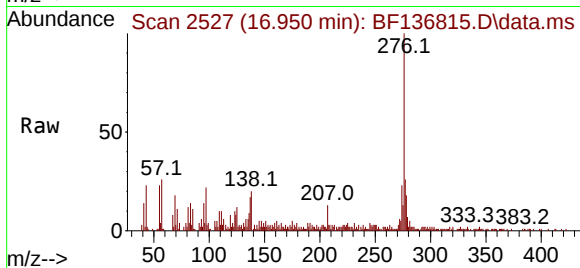
Tgt Ion:	276	Resp:	40089
Ion Ratio	Lower	Upper	
276	100		
138	19.1	18.7	28.1
277	25.2	20.2	30.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#88

Benzo(b)fluoranthene

Concen: 17.399 ng m

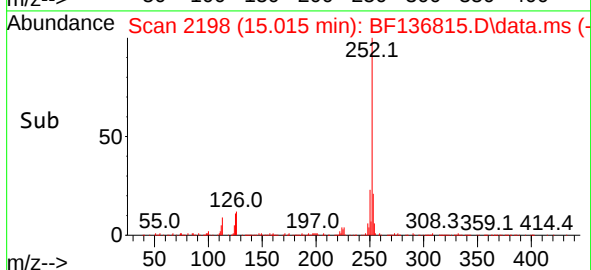
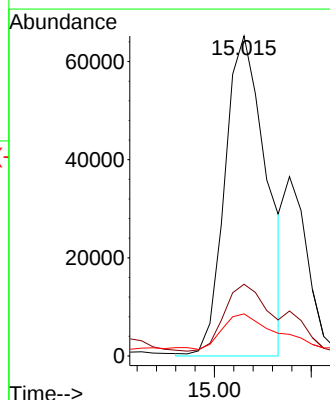
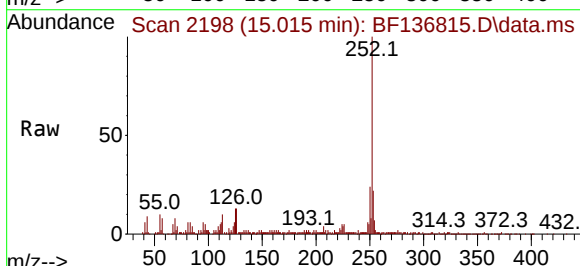
RT: 15.015 min Scan# 2198

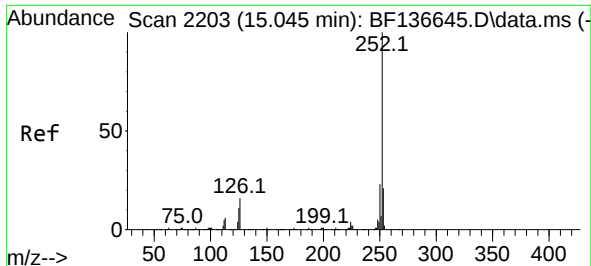
Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Tgt Ion:	252	Resp:	97300
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	13.2	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 5.769 ng m

RT: 15.039 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

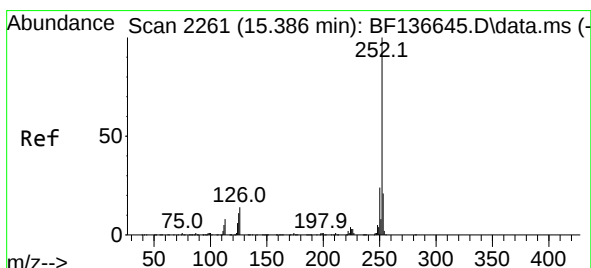
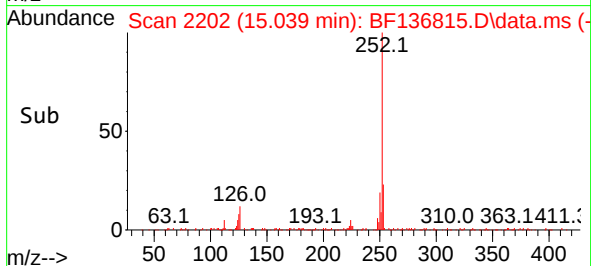
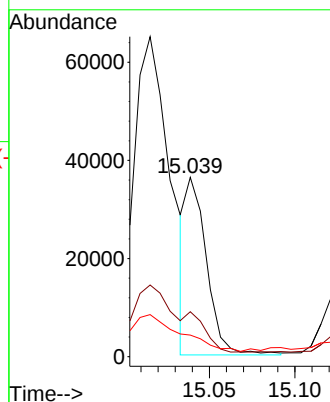
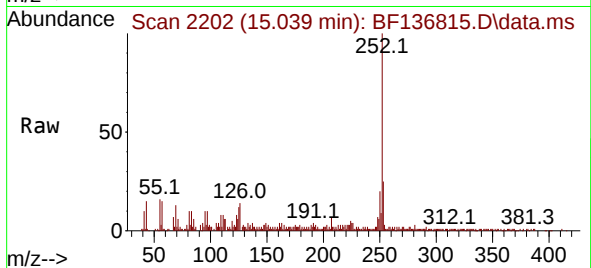
ClientSampleId :

TR-5-122723

Tgt Ion:252 Resp: 30485
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.0 25.6
 125 12.0 8.2 12.4

Manual Integrations
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Reviewed By :Yogesh Patel 12/29/2023
 Supervised By :mohammad ahmed 12/29/2023



#90

Benzo(a)pyrene

Concen: 14.323 ng

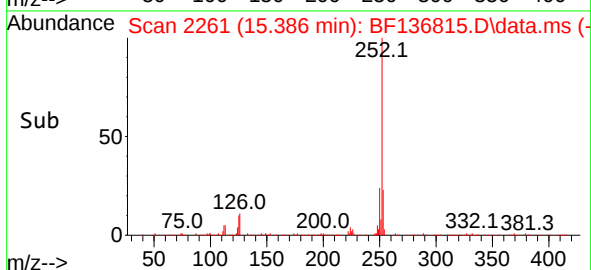
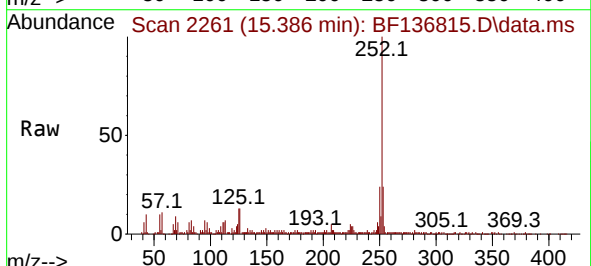
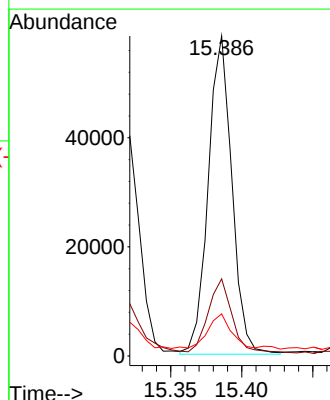
RT: 15.386 min Scan# 2261

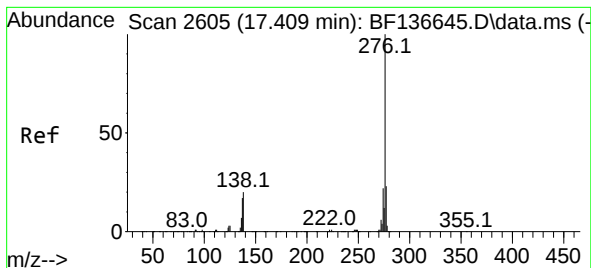
Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Tgt Ion:252 Resp: 67613
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.0 25.6
 125 13.2 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 7.296 ng

RT: 17.409 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF136815.D

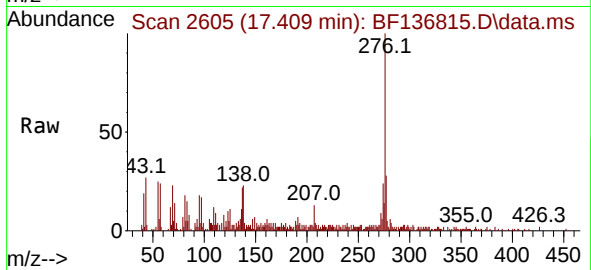
Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723



Tgt Ion:276 Resp: 37059

Ion Ratio Lower Upper

276 100

277 27.7 18.3 27.5

138 23.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023

