

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136474.D
 Acq On : 08 Dec 2023 18:40
 Operator : CG\JU
 Sample : 05636-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-120523

Quant Time: Dec 08 22:29:56 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/11/2023
 Supervised By :mohammad ahmed 12/14/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	129574	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	487451	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	217558	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	320276	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	242427	20.000	ng	0.00
86) Perylene-d12	15.451	264	208138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	629630	71.762	ng	0.00
7) Phenol-d6	6.440	99	773399	70.651	ng	0.00
23) Nitrobenzene-d5	7.357	82	454050	50.356	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	160593	59.867	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	858370	53.836	ng	-0.01
79) Terphenyl-d14	12.916	244	695343	37.805	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	128892	7.322	ng	98
72) Anthracene	11.392	178	36238	2.044	ng	98
75) Fluoranthene	12.539	202	172286	9.339	ng	98
78) Pyrene	12.769	202	152251	6.413	ng	98
81) Benzo(a)anthracene	13.963	228	92155	5.457	ng	99
83) Chrysene	13.998	228	77546m	4.667	ng	
88) Benzo(b)fluoranthene	15.016	252	88083m	6.190	ng	
90) Benzo(a)pyrene	15.386	252	54157	4.608	ng	# 92
92) Benzo(g,h,i)perylene	17.404	276	30078	2.474	ng	93

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

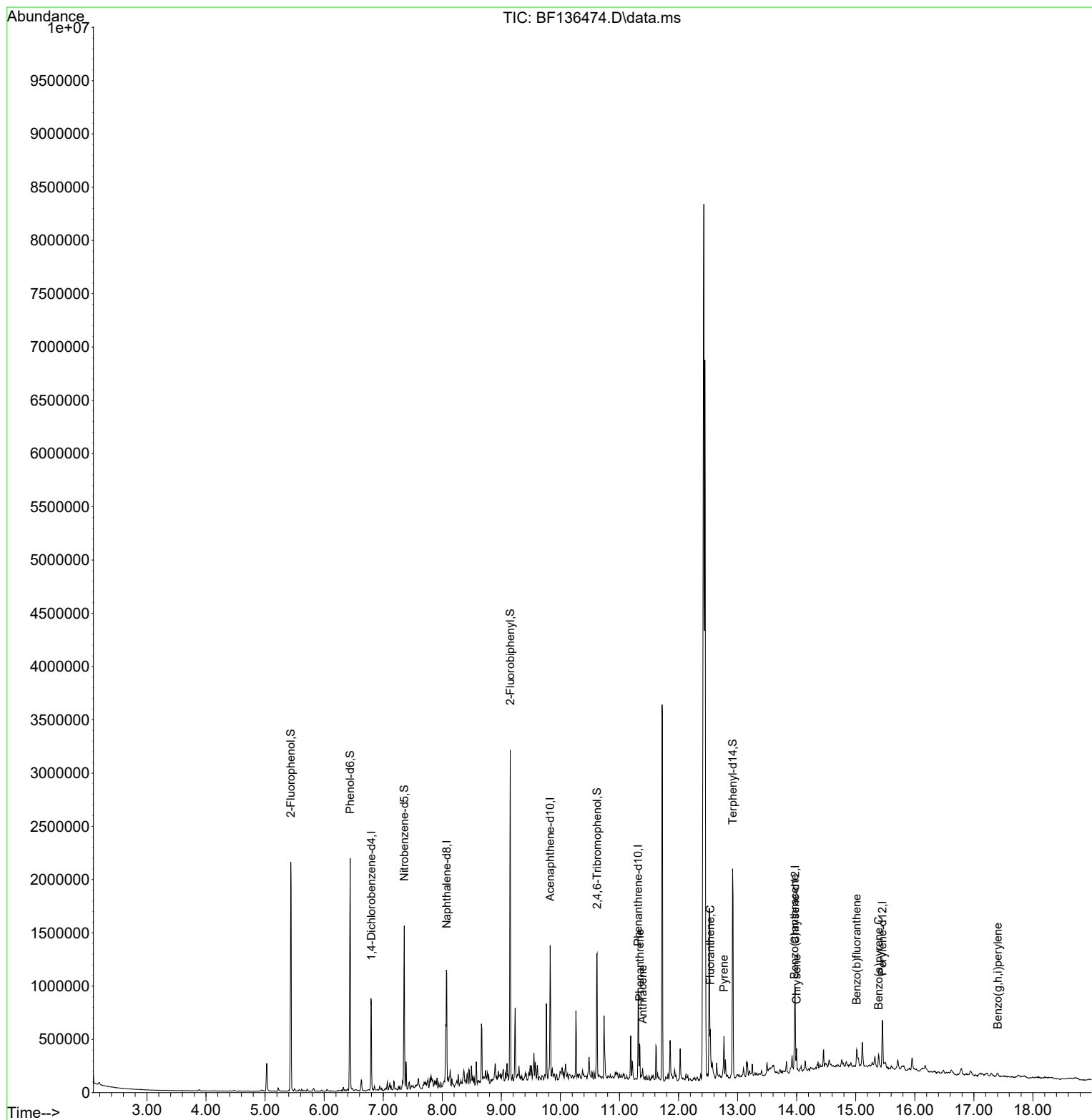
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
Data File : BF136474.D
Acq On : 08 Dec 2023 18:40
Operator : CG\JU
Sample : 05636-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

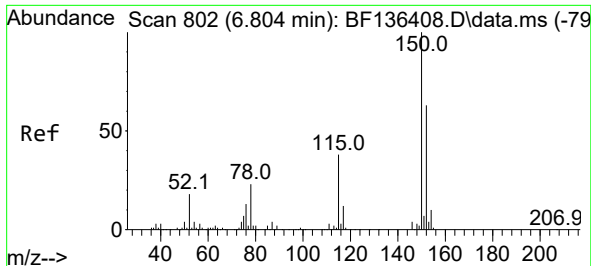
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

Quant Time: Dec 08 22:29:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
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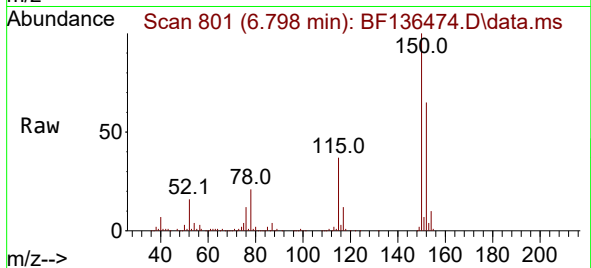
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523



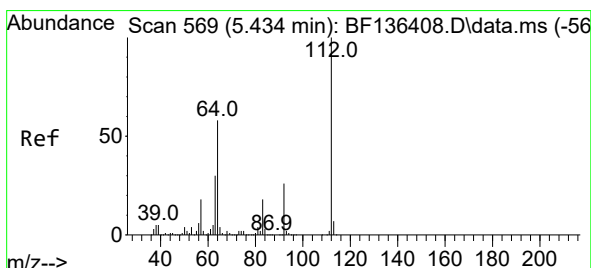
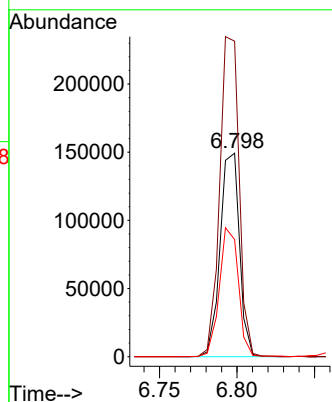
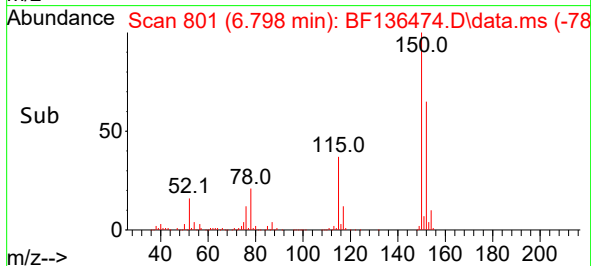
Tgt Ion:152 Resp: 129574
Ion Ratio Lower Upper
152 100
150 155.0 126.4 189.6
115 57.6 48.2 72.4

Manual Integrations

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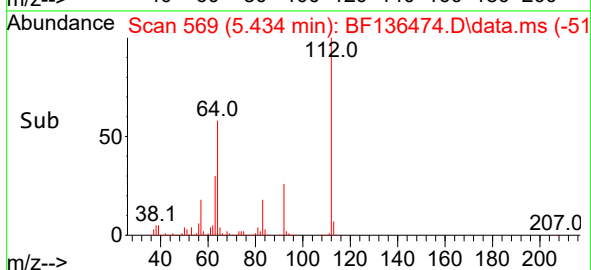
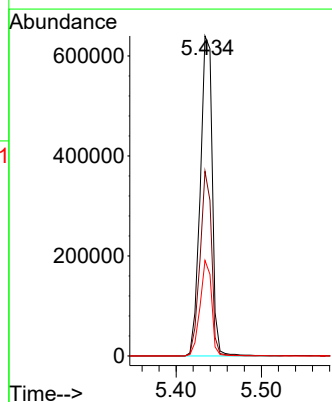
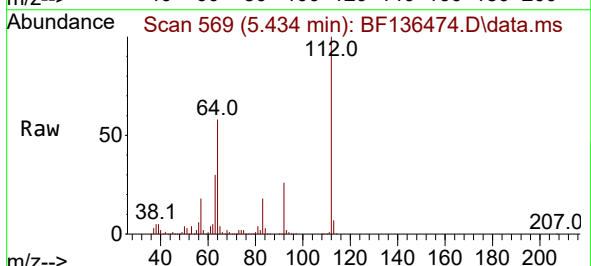
Reviewed By :Yogesh Patel 12/11/2023

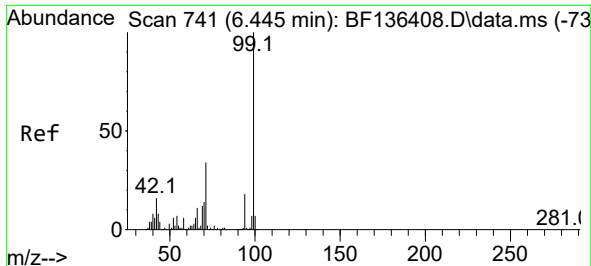
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 71.762 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

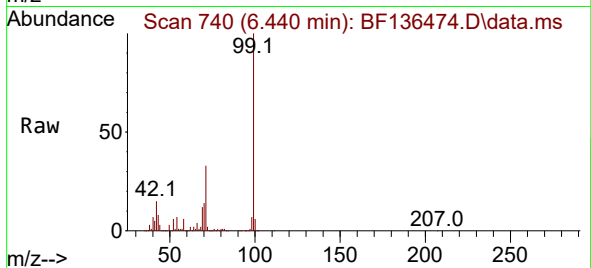
Tgt Ion:112 Resp: 629630
Ion Ratio Lower Upper
112 100
64 57.7 46.5 69.7
63 29.9 23.9 35.9





#7
Phenol-d6
Concen: 70.651 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

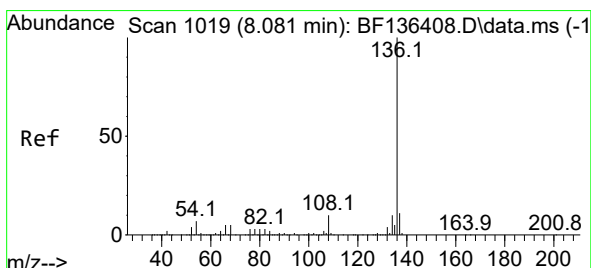
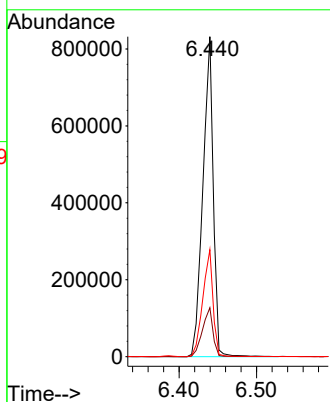
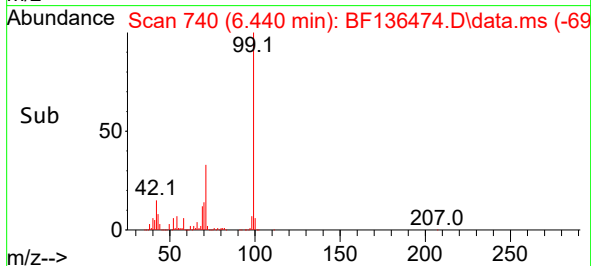
Instrument :
BNA_F
ClientSampleId :
TR-05-120523



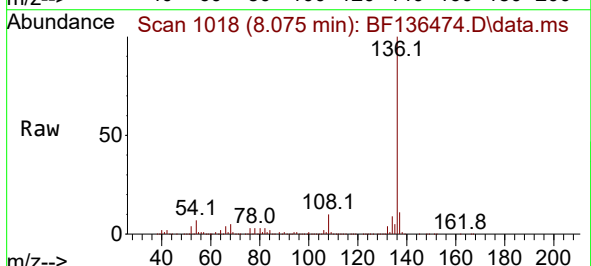
Tgt Ion: 99 Resp: 773399
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 33.4 27.0 40.4

Manual Integrations
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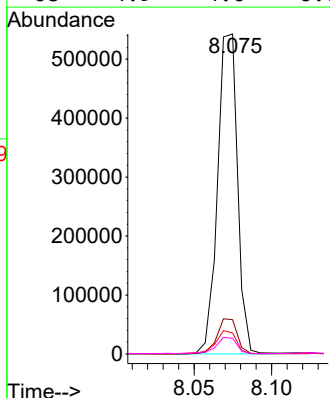
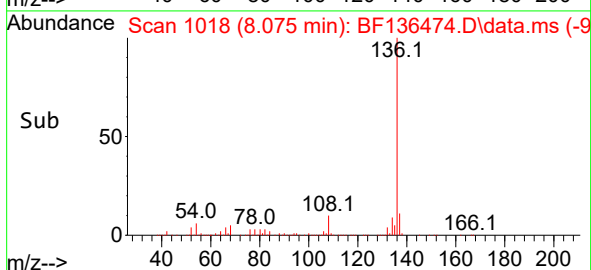
Reviewed By :Yogesh Patel 12/11/2023
Supervised By :mohammad ahmed 12/14/2023

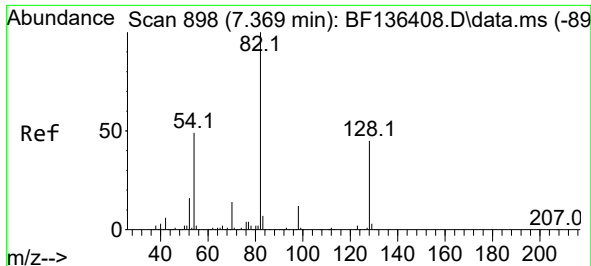


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40



Tgt Ion:136 Resp: 487451
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.6 5.7 8.5
68 4.9 4.0 6.0





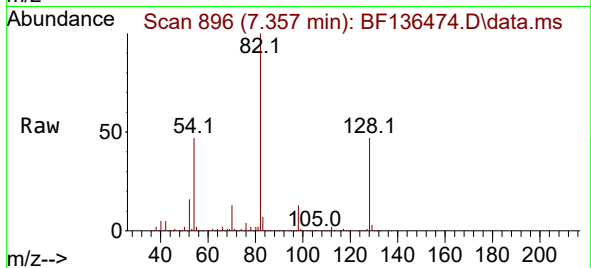
#23
Nitrobenzene-d5
Concen: 50.356 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

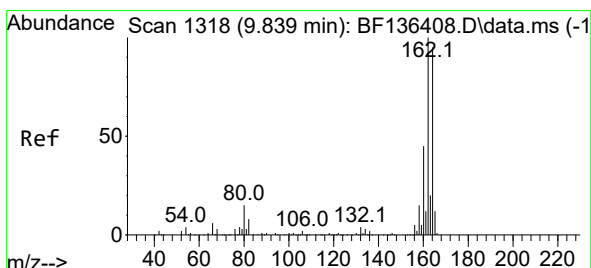
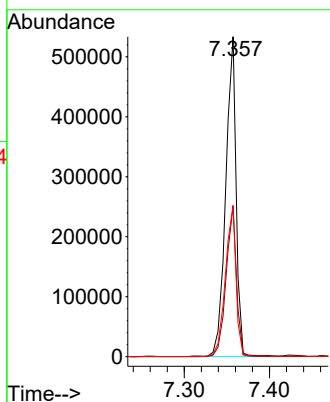
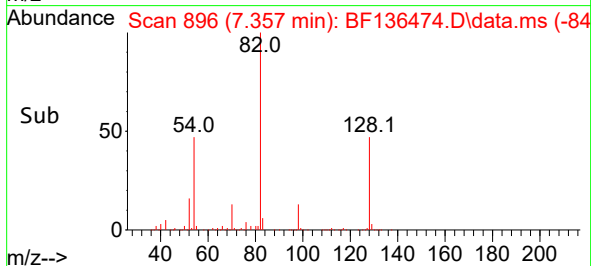
TR-05-120523



Tgt Ion: 82 Resp: 454050
Ion Ratio Lower Upper
82 100
128 47.0 36.3 54.5
54 47.3 39.0 58.6

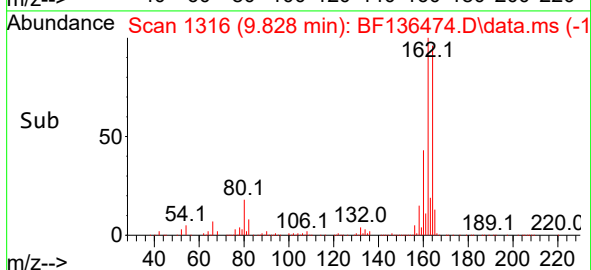
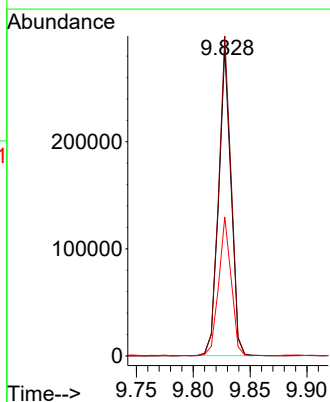
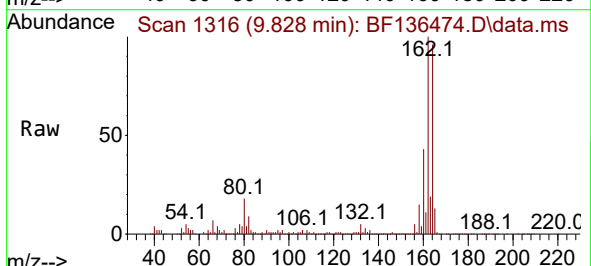
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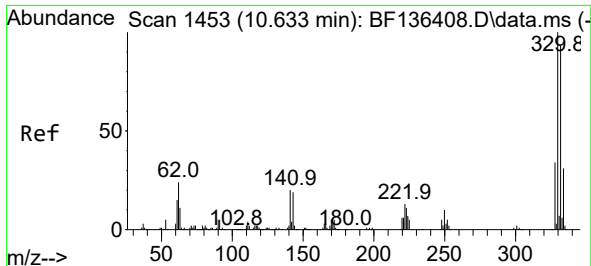
Reviewed By :Yogesh Patel 12/11/2023
Supervised By :mohammad ahmed 12/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:164 Resp: 217558
Ion Ratio Lower Upper
164 100
162 104.1 84.4 126.6
160 45.2 37.6 56.4





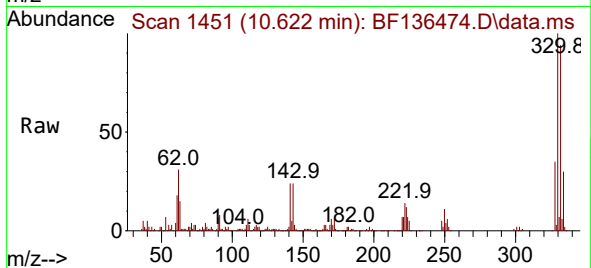
#42
2,4,6-Tribromophenol
Concen: 59.867 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523



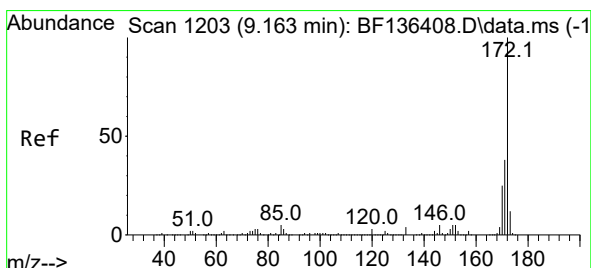
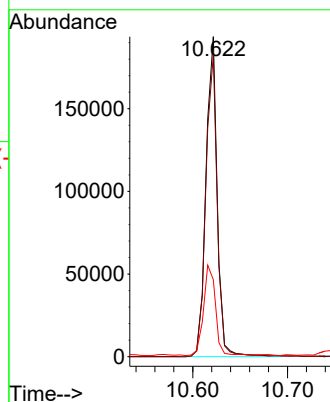
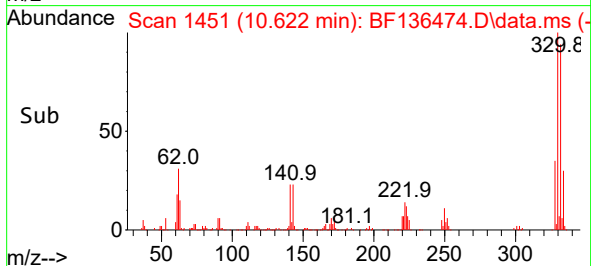
Tgt Ion:330 Resp: 160593
Ion Ratio Lower Upper
330 100
332 95.2 76.4 114.6
141 29.9 23.4 35.2

Manual Integrations

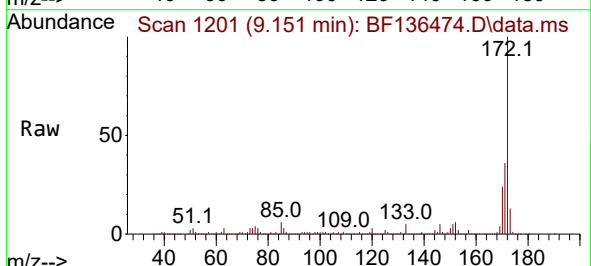
APPROVED

Reviewed By :Yogesh Patel 12/11/2023

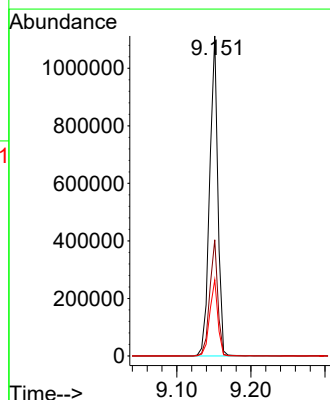
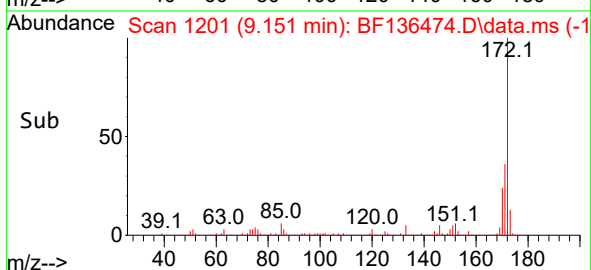
Supervised By :mohammad ahmed 12/14/2023

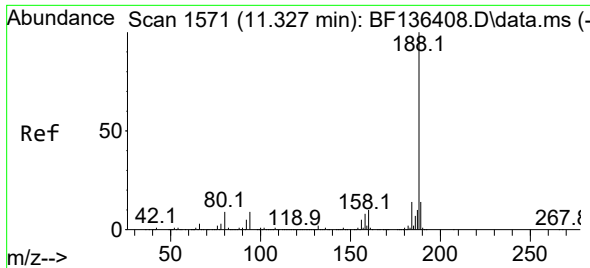


#45
2-Fluorobiphenyl
Concen: 53.836 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40



Tgt Ion:172 Resp: 858370
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 23.8 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

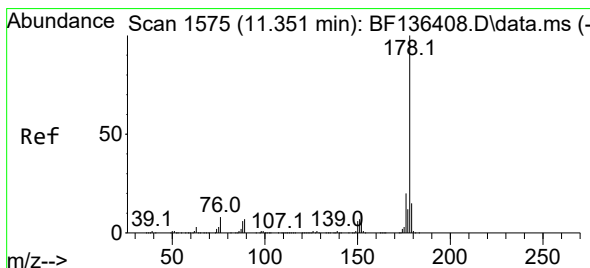
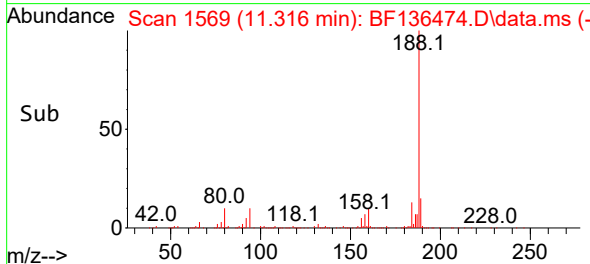
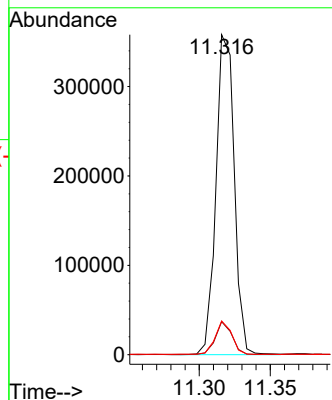
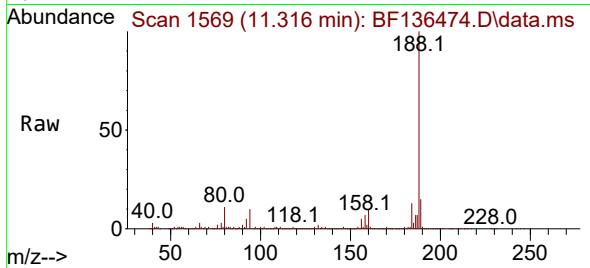
TR-05-120523

Tgt Ion:188 Resp: 320270
Ion Ratio Lower Upper
188 100
94 10.3 7.2 10.8
80 10.6 7.2 10.8

Manual Integrations

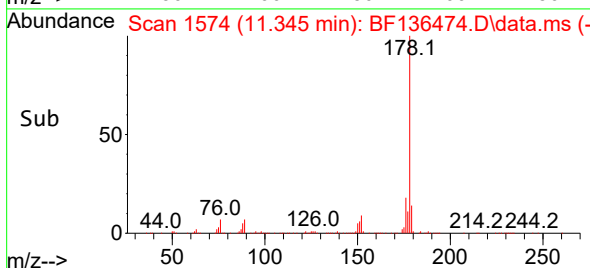
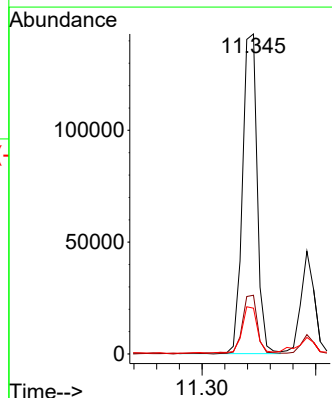
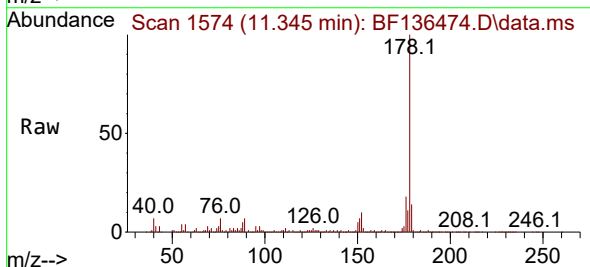
APPROVED

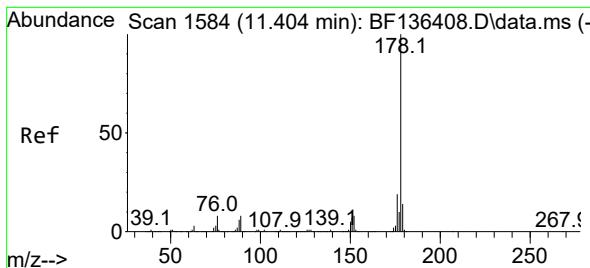
Reviewed By :Yogesh Patel 12/11/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 7.322 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:178 Resp: 128892
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.3 11.8 17.6





#72

Anthracene

Concen: 2.044 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

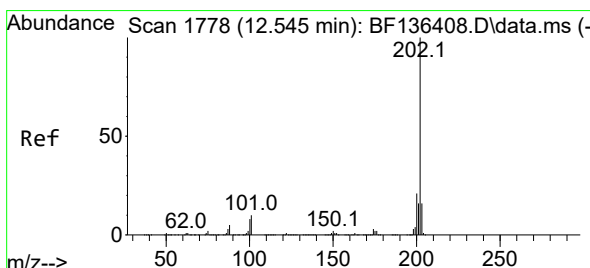
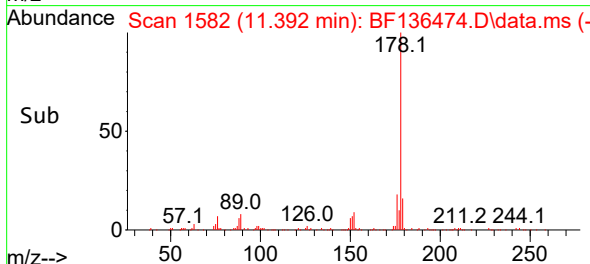
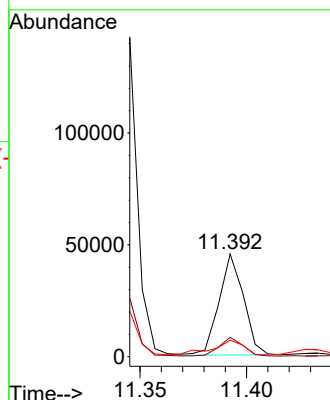
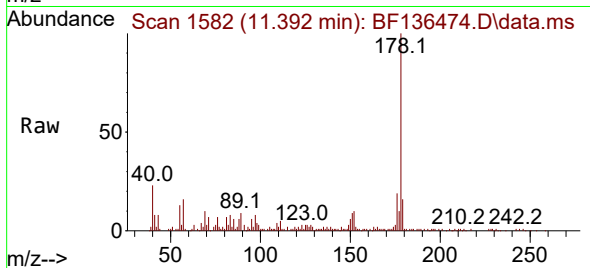
Tgt Ion:178 Resp: 36238
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 16.0 11.4 17.0

Manual Integrations

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#75

Fluoranthene

Concen: 9.339 ng

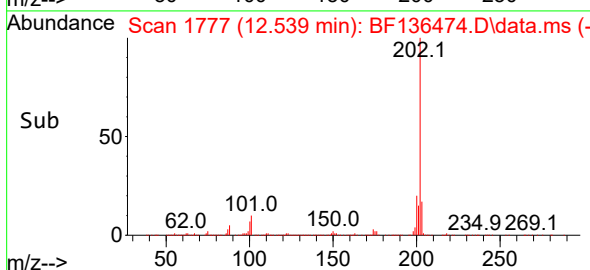
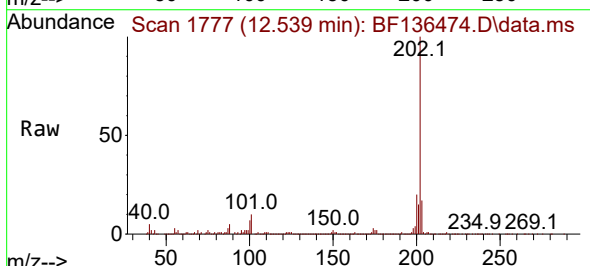
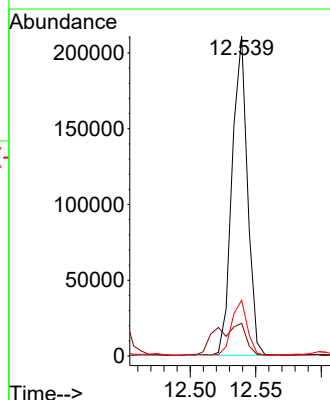
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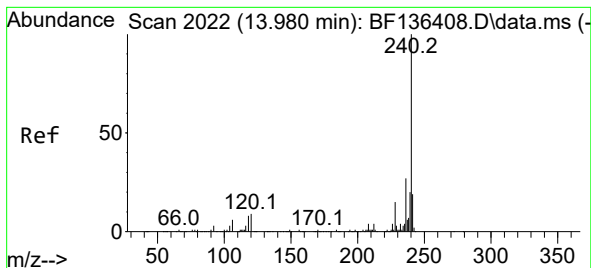
Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Tgt Ion:202 Resp: 172286
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.9
 203 17.4 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

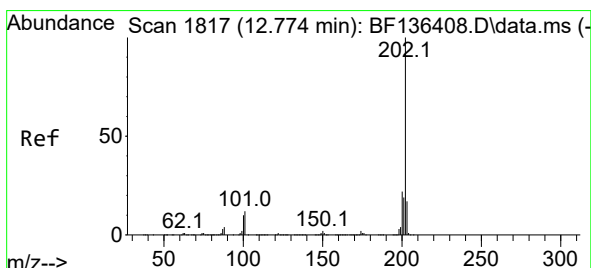
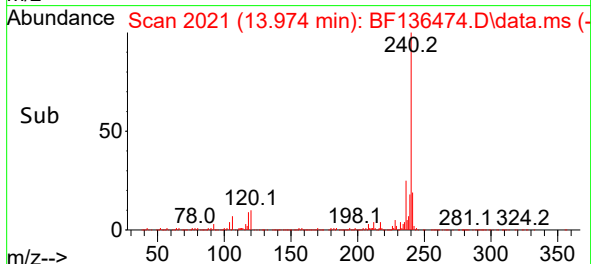
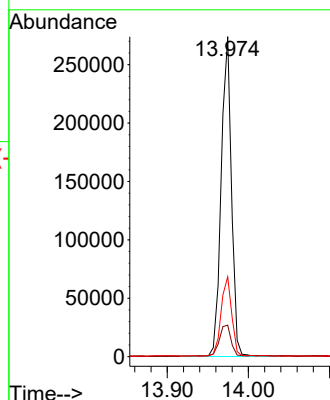
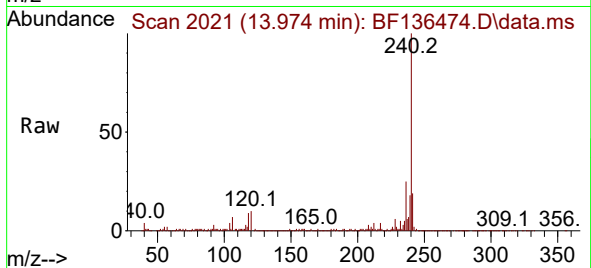
Tgt Ion:240 Resp: 242421
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.3 10.9
 236 25.0 21.3 31.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/11/2023

Supervised By :mohammad ahmed 12/14/2023



#78

Pyrene

Concen: 6.413 ng

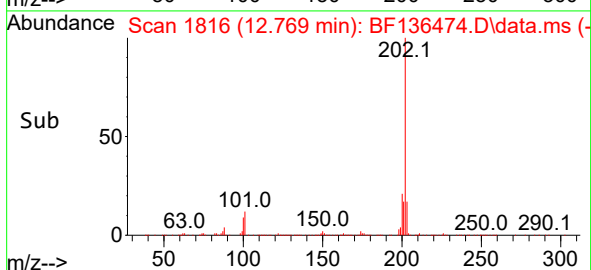
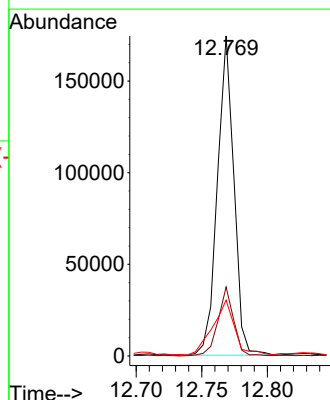
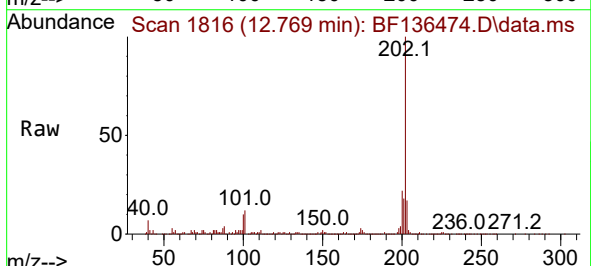
RT: 12.769 min Scan# 1816

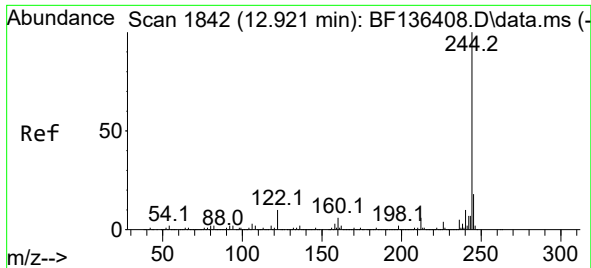
Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Tgt Ion:202 Resp: 152251
 Ion Ratio Lower Upper
 202 100
 200 21.5 18.0 27.0
 203 17.5 13.5 20.3





#79
 Terphenyl-d14
 Concen: 37.805 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136474.D
 Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

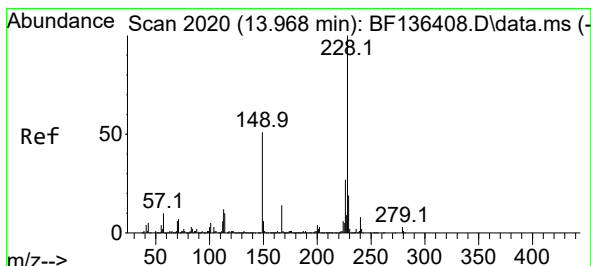
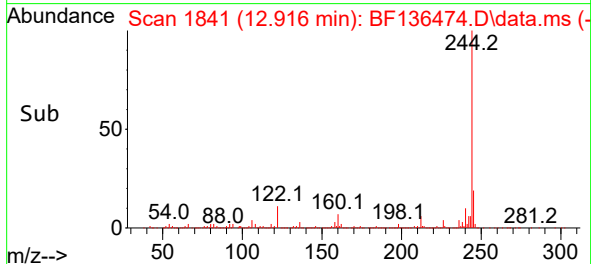
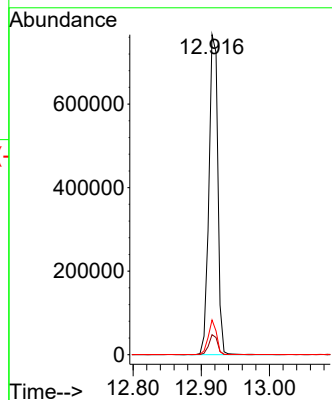
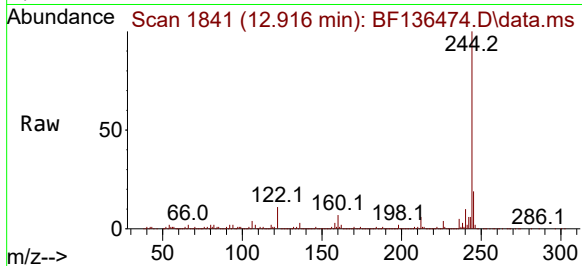
ClientSampleId :

TR-05-120523

Tgt Ion:244 Resp: 69534
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 10.9 8.3 12.5

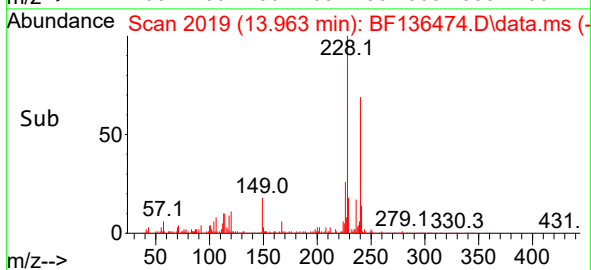
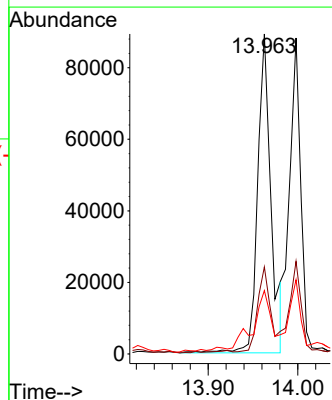
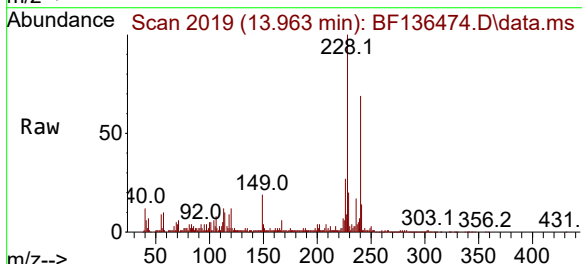
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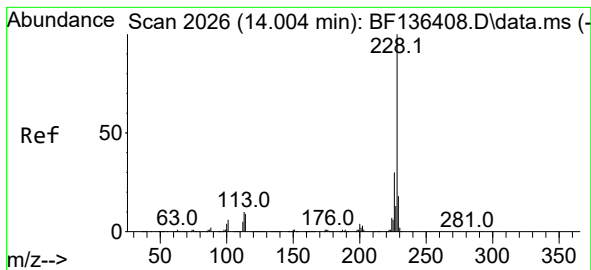
Reviewed By :Yogesh Patel 12/11/2023
 Supervised By :mohammad ahmed 12/14/2023



#81
 Benzo(a)anthracene
 Concen: 5.457 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136474.D
 Acq: 08 Dec 2023 18:40

Tgt Ion:228 Resp: 92155
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.8 32.8
 229 19.8 15.0 22.4





#83

Chrysene

Concen: 4.667 ng m

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

Tgt Ion:228 Resp: 77540

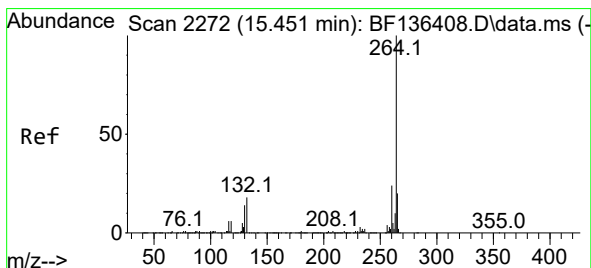
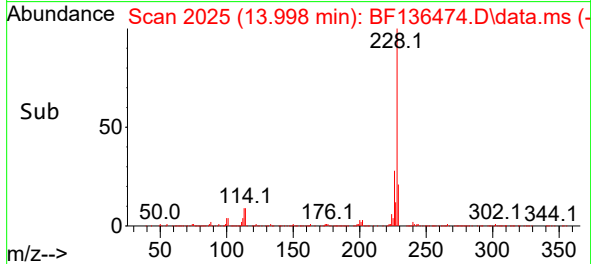
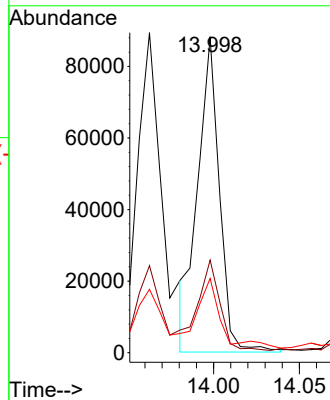
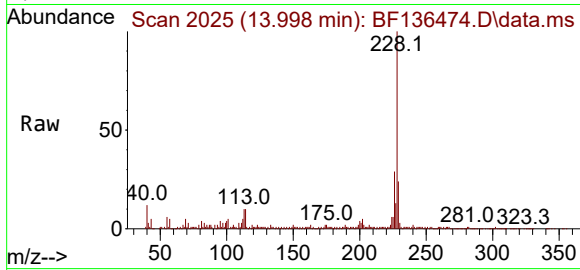
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.6
229	23.5	14.8	22.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/11/2023

Supervised By :mohammad ahmed 12/14/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

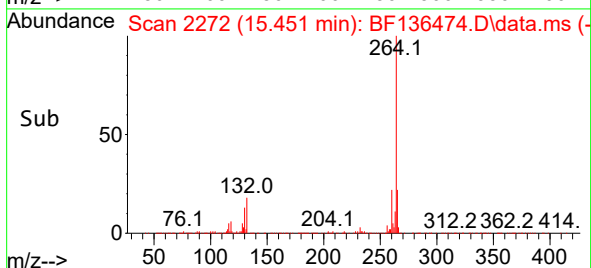
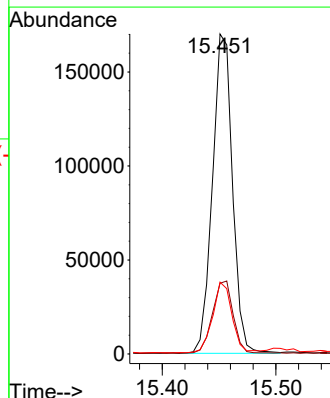
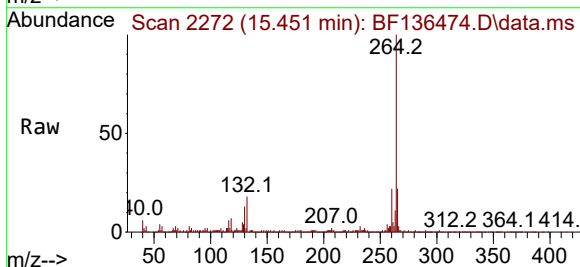
Delta R.T. 0.000 min

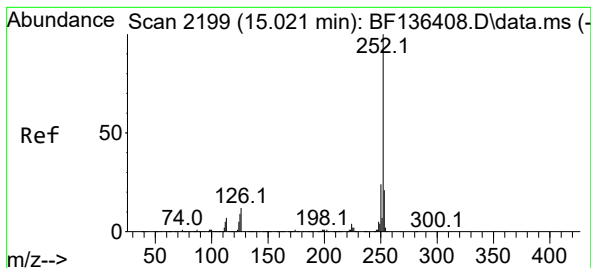
Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Tgt Ion:264 Resp: 208138

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	22.5	15.9	23.9





#88

Benzo(b)fluoranthene

Concen: 6.190 ng m

RT: 15.016 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

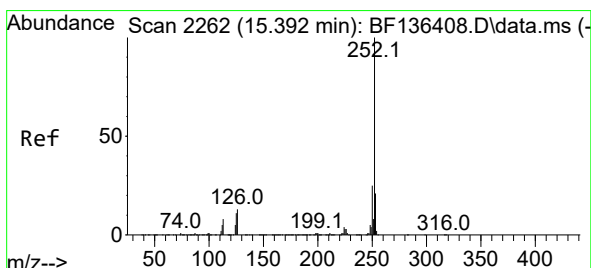
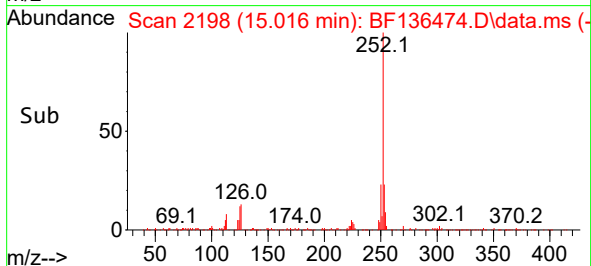
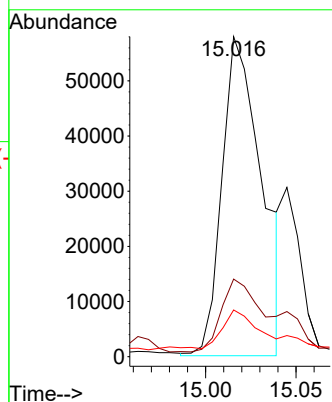
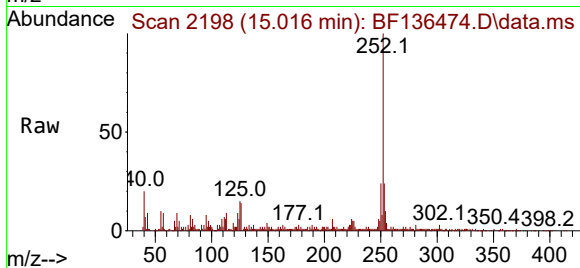
Tgt Ion:252 Resp: 8808
 Ion Ratio Lower Upper
 252 100
 253 24.3 16.9 25.3
 125 14.6 7.4 11.2

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Reviewed By :Yogesh Patel 12/11/2023

Supervised By :mohammad ahmed 12/14/2023



#90

Benzo(a)pyrene

Concen: 4.608 ng

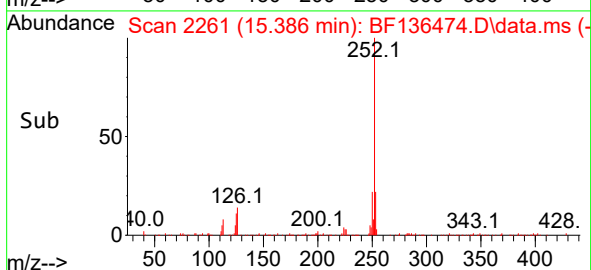
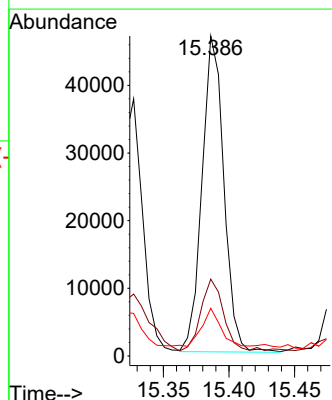
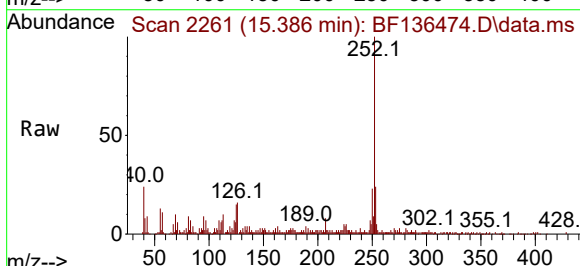
RT: 15.386 min Scan# 2261

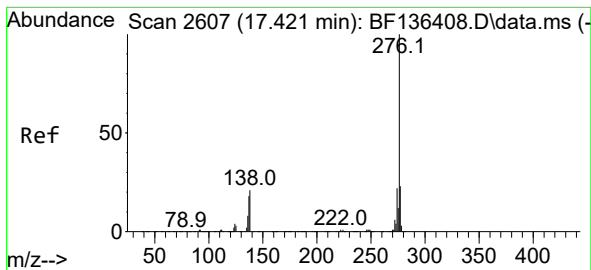
Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Tgt Ion:252 Resp: 54157
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.0 25.4
 125 14.9 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 2.474 ng

RT: 17.404 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF136474.D

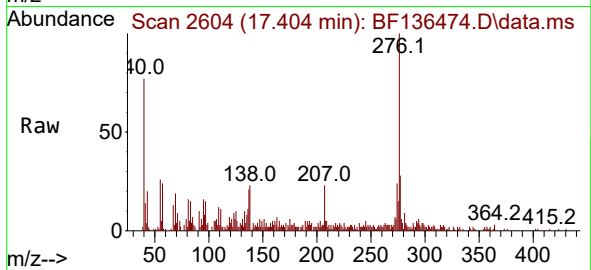
Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523



Tgt Ion: 276 Resp: 30078

Ion Ratio Lower Upper

276 100

277 27.8 18.7 28.1

138 22.7 16.6 25.0

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 12/11/2023

Supervised By : mohammad ahmed 12/14/2023

