

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022824\
 Data File : BF137437.D
 Acq On : 28 Feb 2024 22:17
 Operator : CG\JU
 Sample : P1595-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1COMP(0-8)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

Quant Time: Feb 29 03:18:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	147366	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	580559	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	315038	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	518064	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	410691	20.000	ng	-0.01
86) Perylene-d12	15.456	264	383874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	51146	5.355	ng	-0.02
7) Phenol-d6	6.416	99	658594	46.879	ng	-0.02
23) Nitrobenzene-d5	7.339	82	620607	53.368	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	7813	2.848	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	1081645	53.452	ng	-0.02
79) Terphenyl-d14	12.910	244	1148521	39.115	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	306186	10.712	ng	97
72) Anthracene	11.386	178	71778	2.437	ng	98
75) Fluoranthene	12.527	202	458976	16.451	ng	97
78) Pyrene	12.757	202	415682	10.704	ng	98
81) Benzo(a)anthracene	13.957	228	207911	7.295	ng	99
83) Chrysene	13.992	228	189498	6.509	ng	98
87) Indeno(1,2,3-cd)pyrene	16.956	276	61164	4.082	ng	95
88) Benzo(b)fluoranthene	15.021	252	215174m	9.137	ng	
89) Benzo(k)fluoranthene	15.051	252	72362m	2.932	ng	
90) Benzo(a)pyrene	15.392	252	140399	6.286	ng	97
91) Dibenzo(a,h)anthracene	16.968	278	14737	2.183	ng	96
92) Benzo(g,h,i)perylene	17.409	276	61534	4.684	ng	100

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

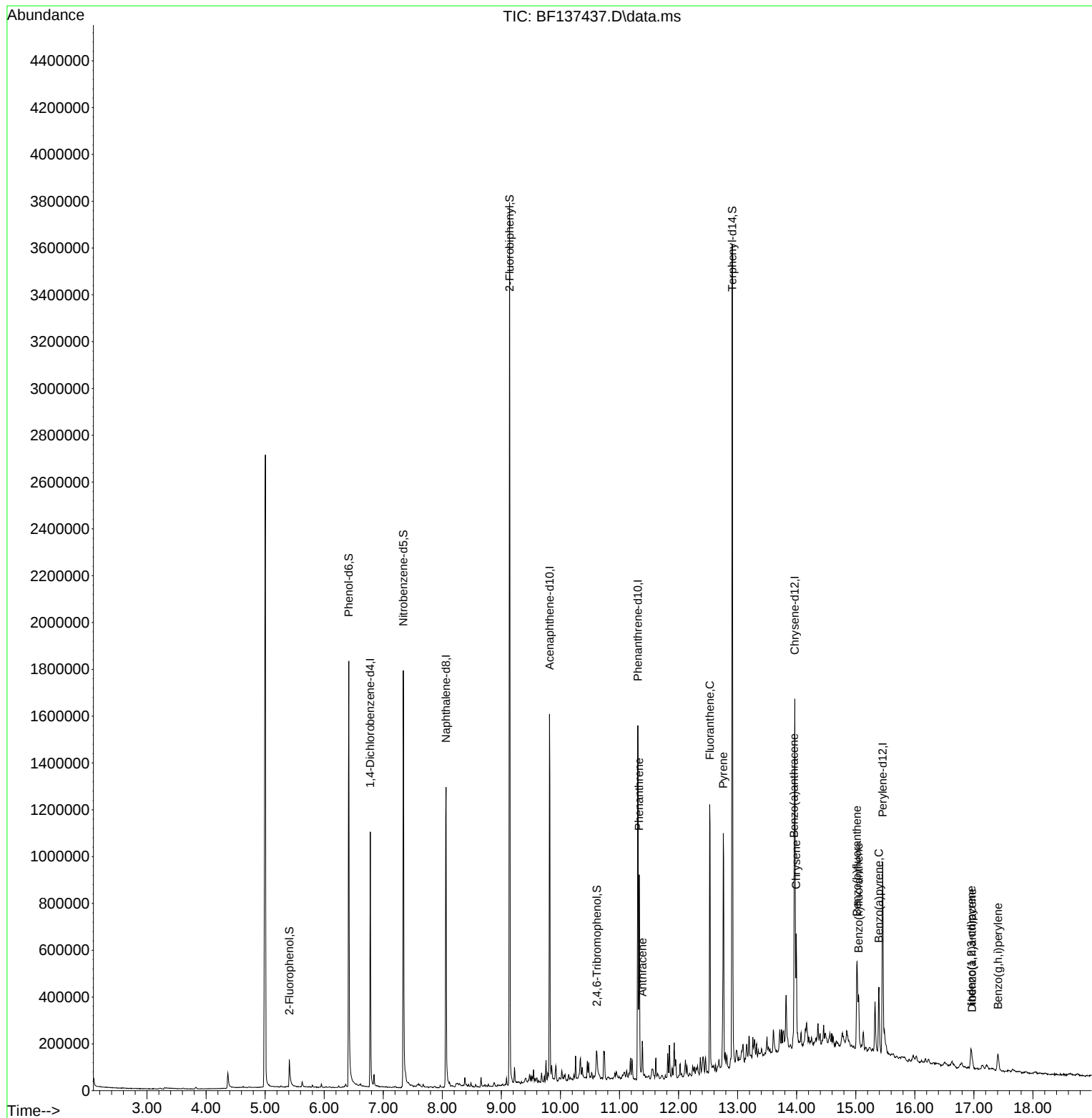
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022824\
Data File : BF137437.D
Acq On : 28 Feb 2024 22:17
Operator : CG\JU
Sample : P1595-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

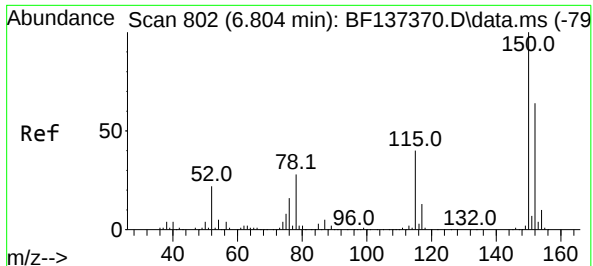
Instrument :
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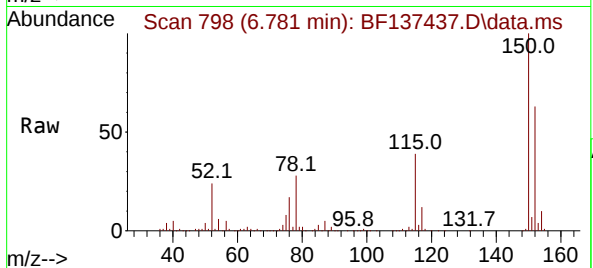
Quant Time: Feb 29 03:18:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 24 04:23:49 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.023 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

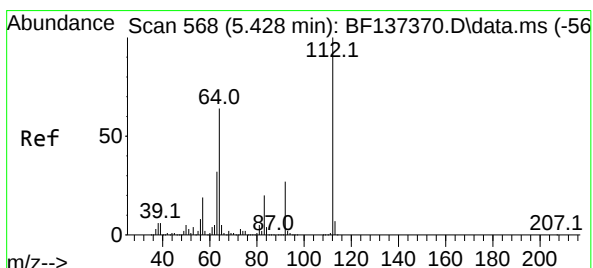
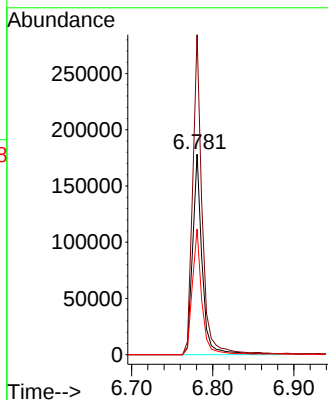
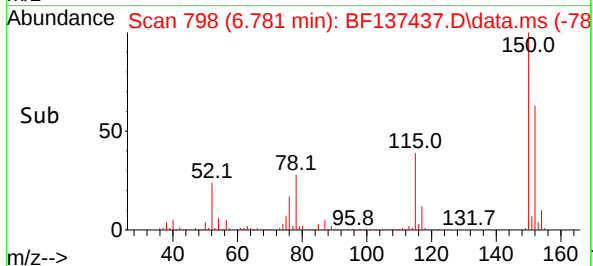
Instrument :
BNA_F
ClientSampleId :
B1COMP(0-8)



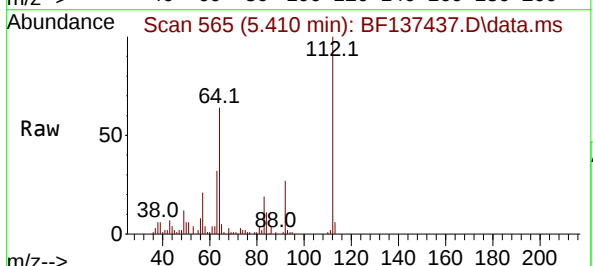
Tgt Ion:152 Resp: 147360
Ion Ratio Lower Upper
152 100
150 159.6 125.7 188.5
115 62.6 49.8 74.8

Manual Integrations
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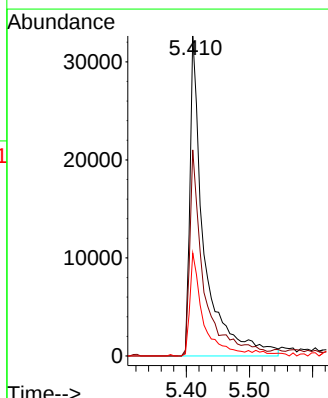
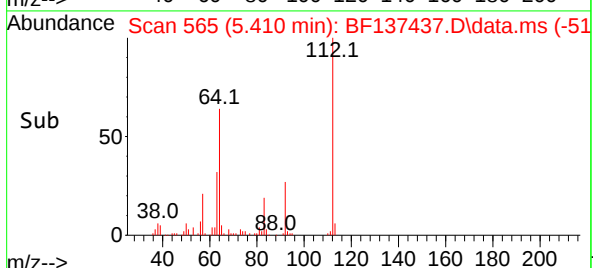
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024

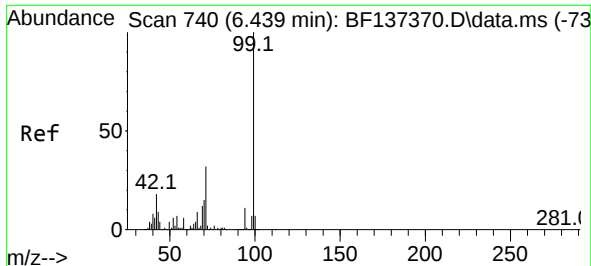


#5
2-Fluorophenol
Concen: 5.355 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17



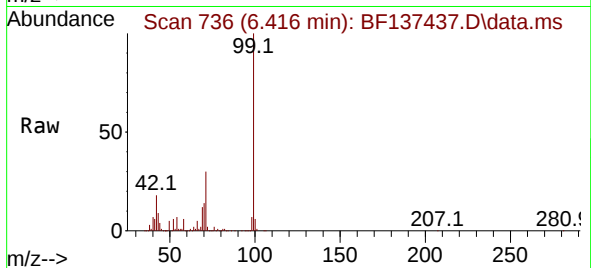
Tgt Ion:112 Resp: 51146
Ion Ratio Lower Upper
112 100
64 64.4 51.0 76.6
63 32.1 25.7 38.5





#7
Phenol-d6
Concen: 46.879 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.024 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

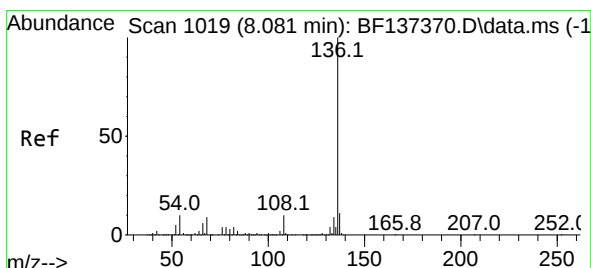
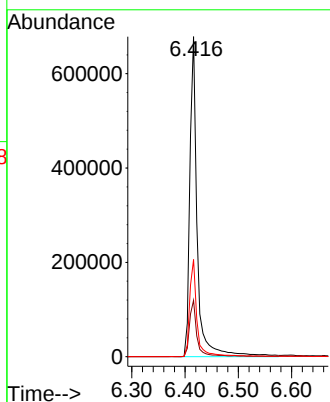
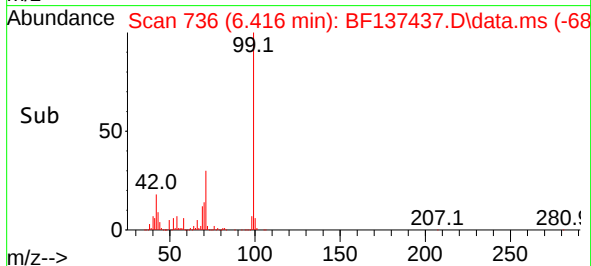
Instrument :
BNA_F
ClientSampleId :
B1COMP(0-8)



Tgt Ion: 99 Resp: 658594
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 30.4 25.2 37.8

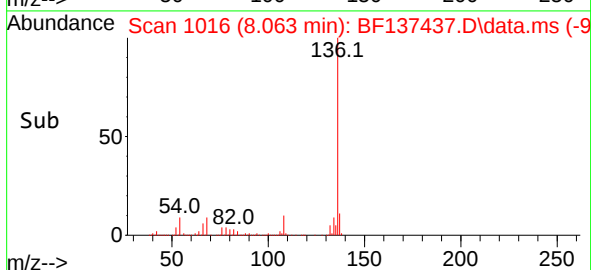
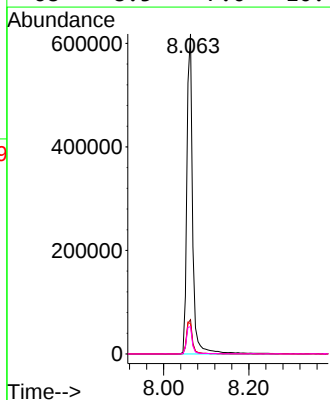
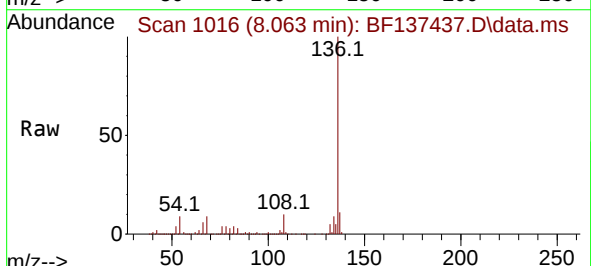
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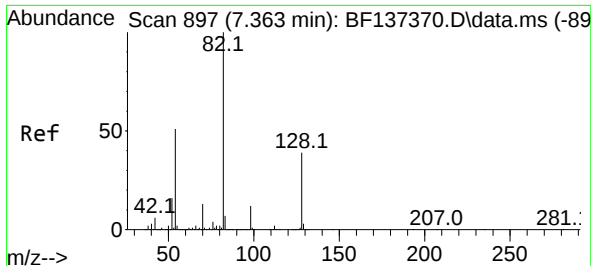
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

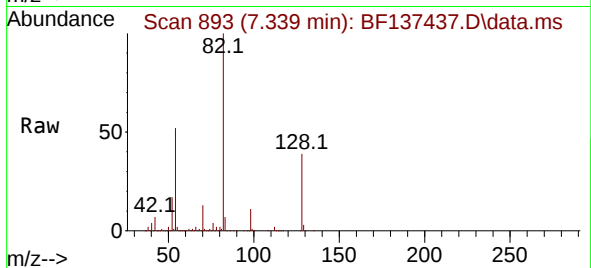
Tgt Ion:136 Resp: 580559
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.4 7.8 11.6
68 8.5 7.0 10.4





#23
Nitrobenzene-d5
Concen: 53.368 ng
RT: 7.339 min Scan# 897
Delta R.T. -0.024 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

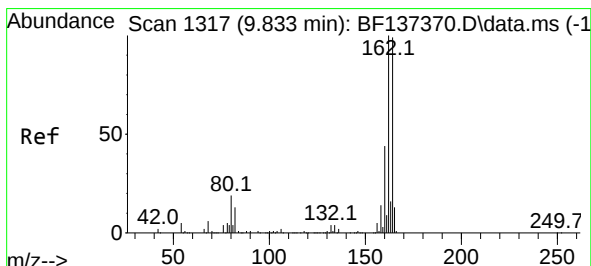
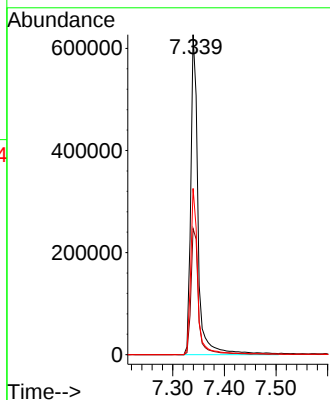
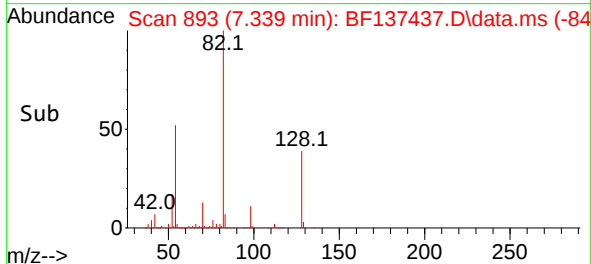
Instrument :
BNA_F
ClientSampleId :
B1COMP(0-8)



Tgt Ion: 82 Resp: 62060
Ion Ratio Lower Upper
82 100
128 39.4 30.8 46.2
54 52.0 40.8 61.2

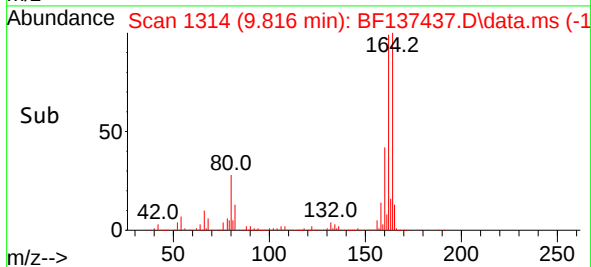
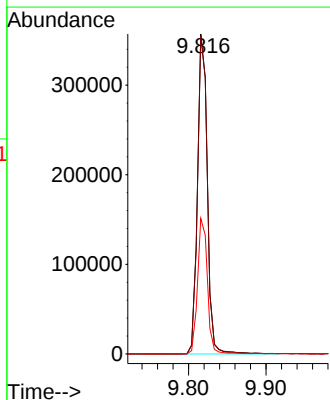
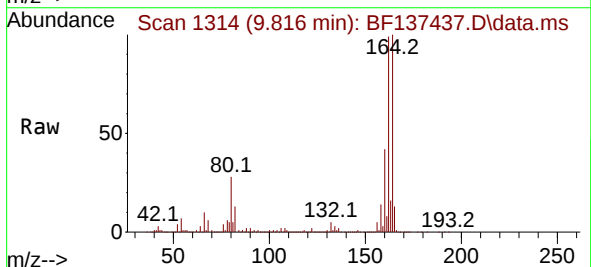
Manual Integrations
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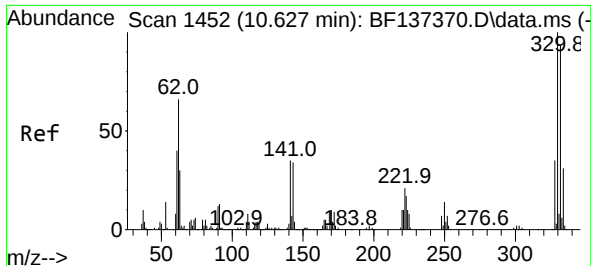
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

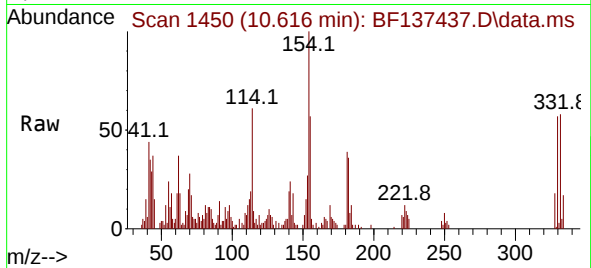
Tgt Ion:164 Resp: 315038
Ion Ratio Lower Upper
164 100
162 99.3 81.2 121.8
160 42.3 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 2.848 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

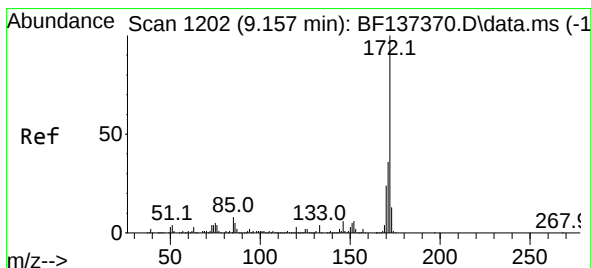
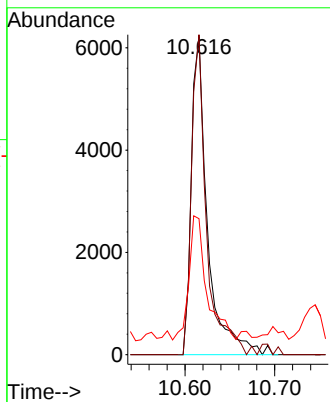
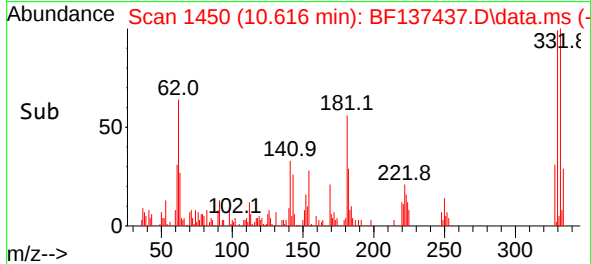
Instrument :
BNA_F
ClientSampleId :
B1COMP(0-8)



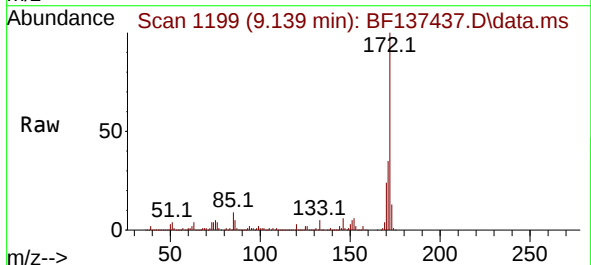
Tgt Ion: 330 Resp: 781
Ion Ratio Lower Upper
330 100
332 92.7 75.6 113.4
141 42.7 28.6 42.8

Manual Integrations
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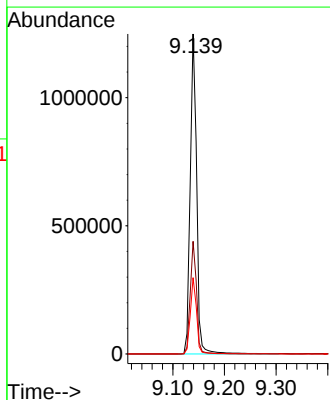
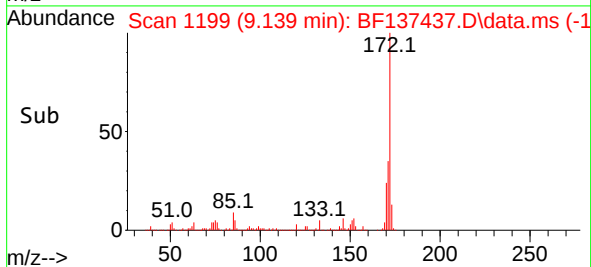
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024

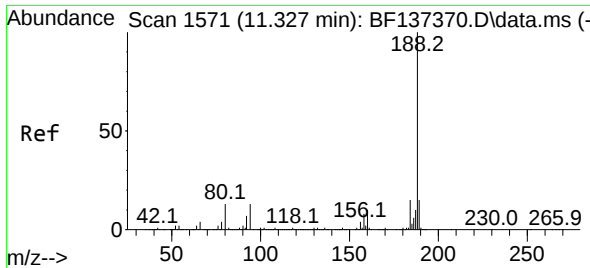


#45
2-Fluorobiphenyl
Concen: 53.452 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17



Tgt Ion: 172 Resp: 1081645
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.9 19.5 29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

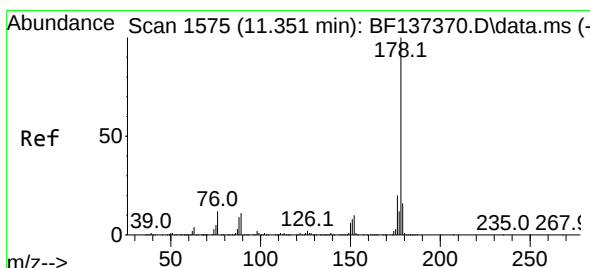
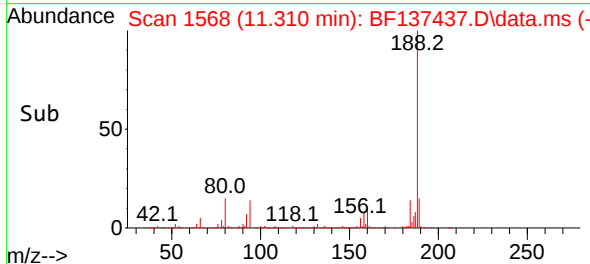
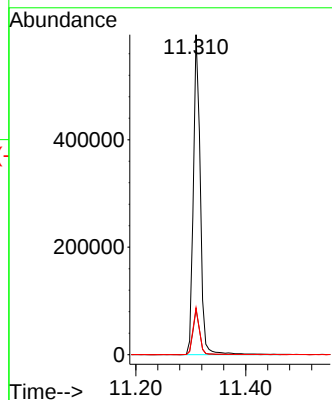
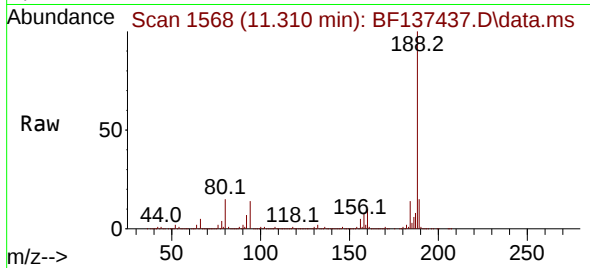
B1COMP(0-8)

Tgt Ion:188 Resp: 518064
Ion Ratio Lower Upper
188 100
94 14.2 10.2 15.2
80 14.7 10.7 16.1

Manual Integrations

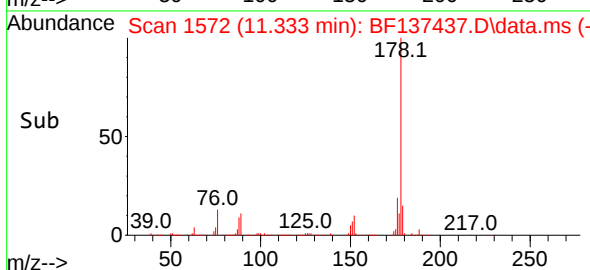
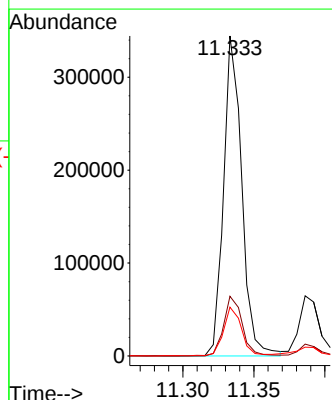
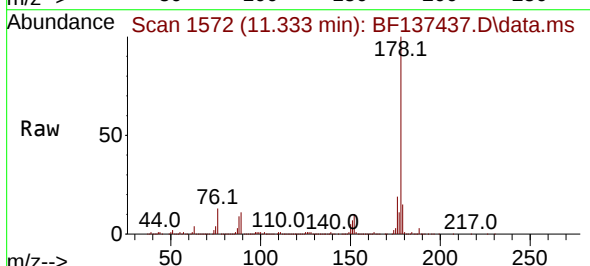
APPROVED

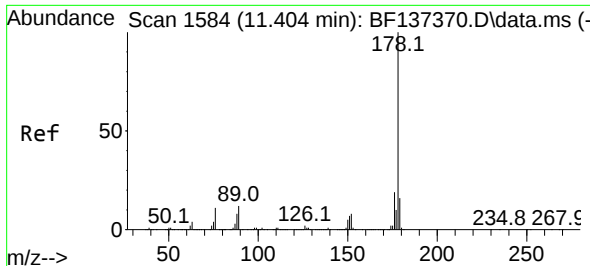
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#71
Phenanthrene
Concen: 10.712 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Tgt Ion:178 Resp: 306186
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 15.3 12.7 19.1





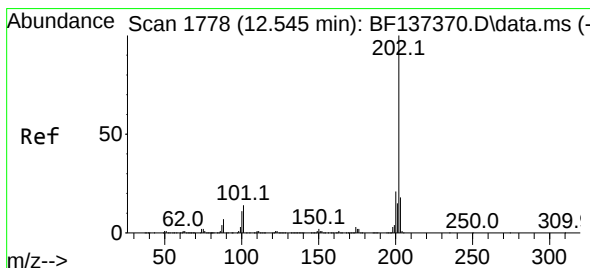
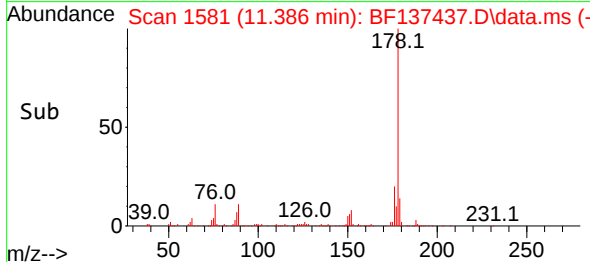
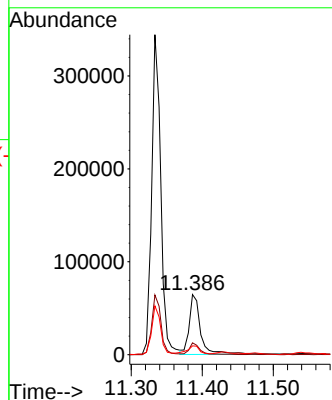
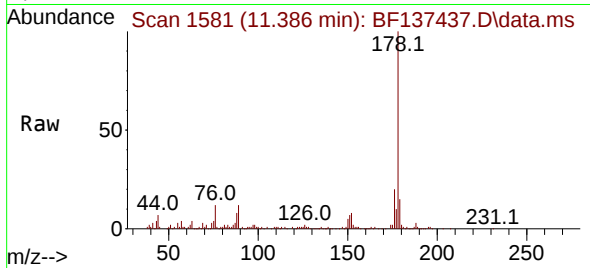
#72
 Anthracene
 Concen: 2.437 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF137437.D
 Acq: 28 Feb 2024 22:17

Instrument :
 BNA_F
 ClientSampleId :
 B1COMP(0-8)

Tgt Ion:178 Resp: 71778
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.3 22.9
 179 14.7 12.6 18.8

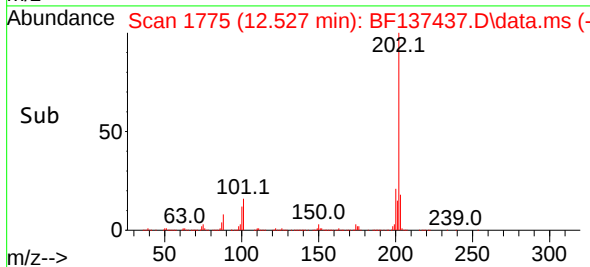
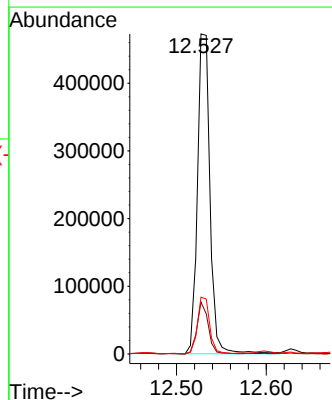
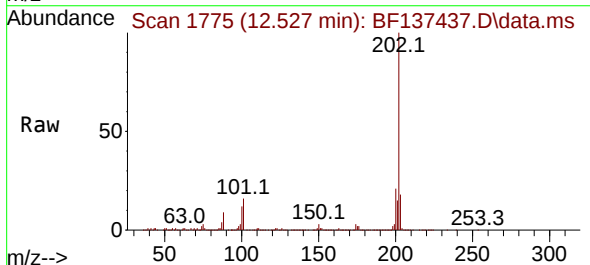
Manual Integrations
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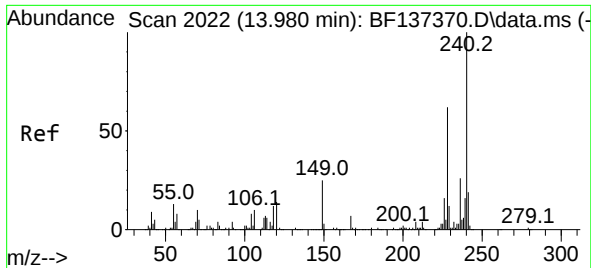
Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024



#75
 Fluoranthene
 Concen: 16.451 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.018 min
 Lab File: BF137437.D
 Acq: 28 Feb 2024 22:17

Tgt Ion:202 Resp: 458976
 Ion Ratio Lower Upper
 202 100
 101 16.2 0.0 33.9
 203 17.8 0.0 37.8





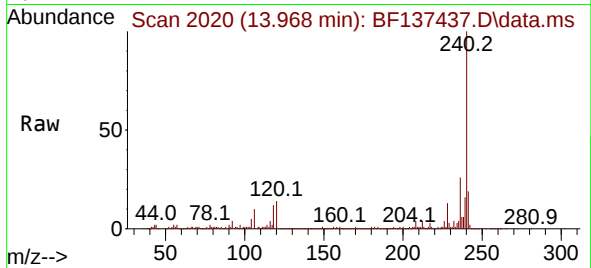
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

B1COMP(0-8)

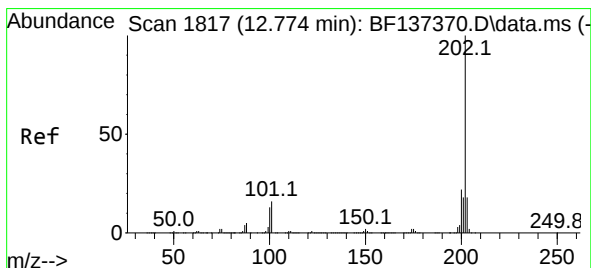
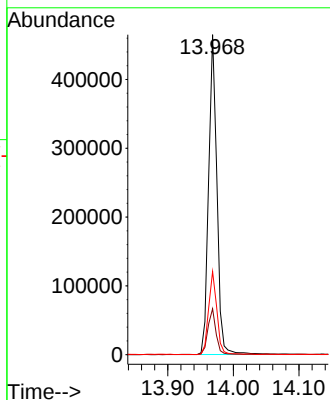
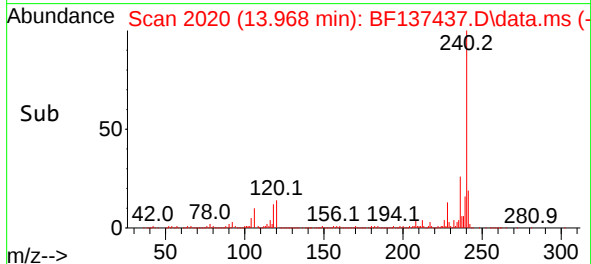


Tgt Ion:240 Resp: 41069
Ion Ratio Lower Upper
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236 26.0 20.5 30.7

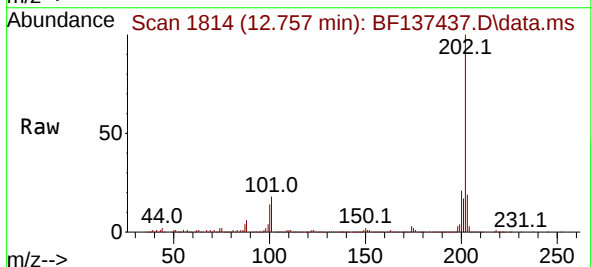
Manual Integrations

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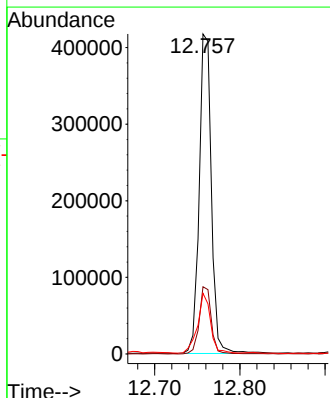
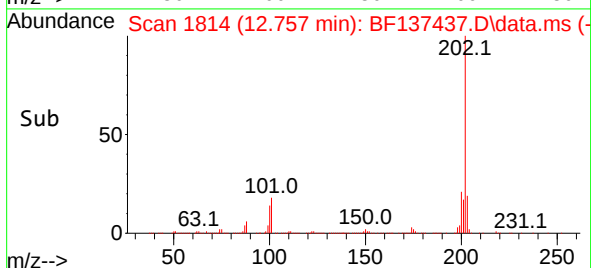
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024

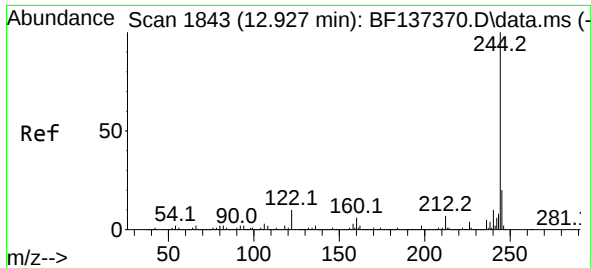


#78
Pyrene
Concen: 10.704 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17



Tgt Ion:202 Resp: 415682
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 19.0 14.2 21.2





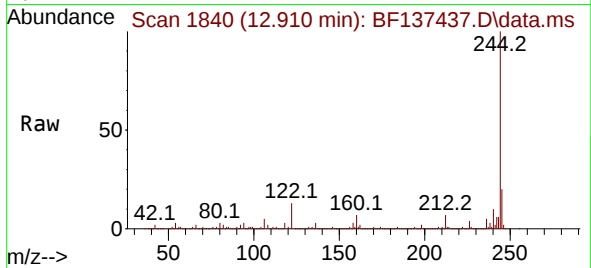
#79
 Terphenyl-d14
 Concen: 39.115 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF137437.D
 Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

B1COMP(0-8)

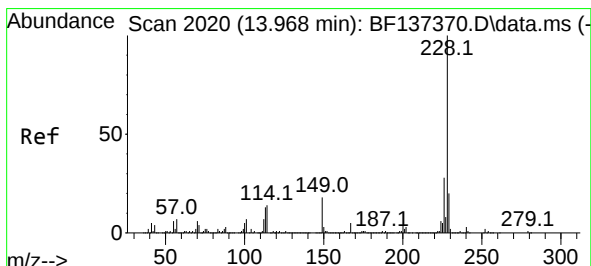
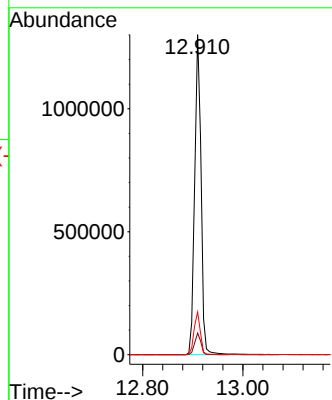
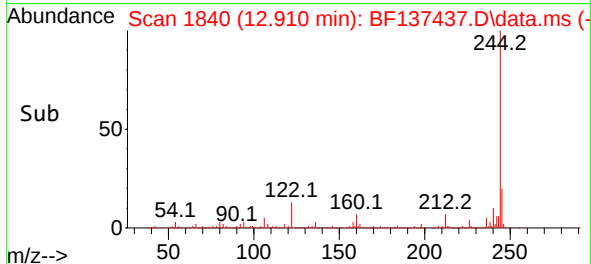


Tgt Ion:244 Resp: 114852
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 13.3 8.2 12.4

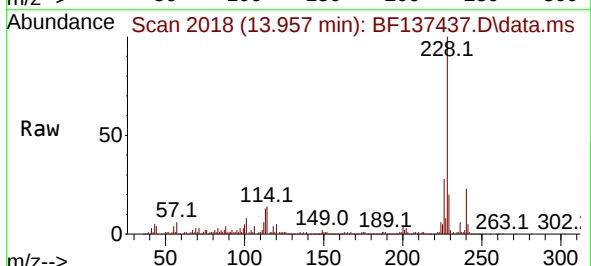
Manual Integrations

APPROVED

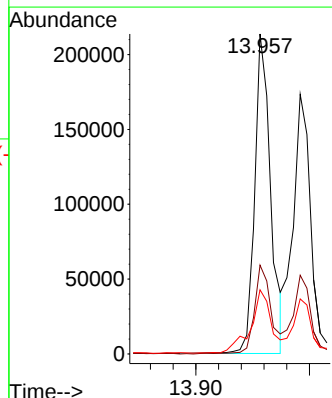
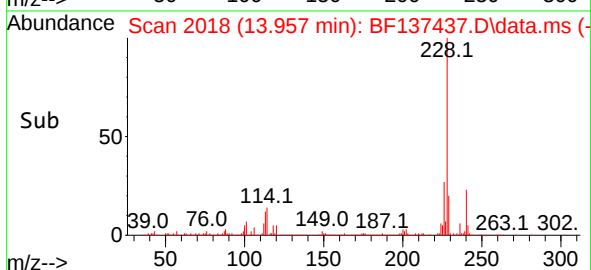
Reviewed By :Jagrut Upadhyay 02/29/2024
 Supervised By :mohammad ahmed 03/01/2024

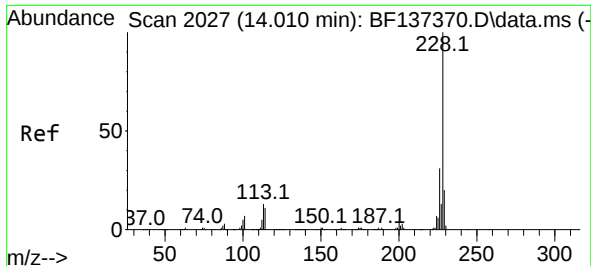


#81
 Benzo(a)anthracene
 Concen: 7.295 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF137437.D
 Acq: 28 Feb 2024 22:17



Tgt Ion:228 Resp: 207911
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 20.1 15.7 23.5





#83
Chrysene
Concen: 6.509 ng
RT: 13.992 min Scan# 2027
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

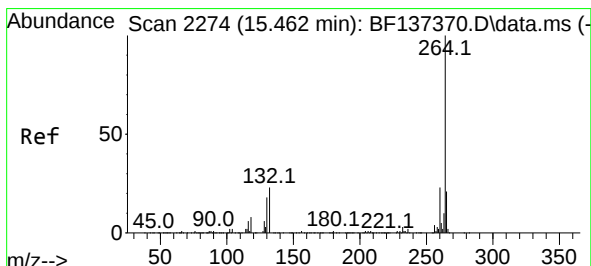
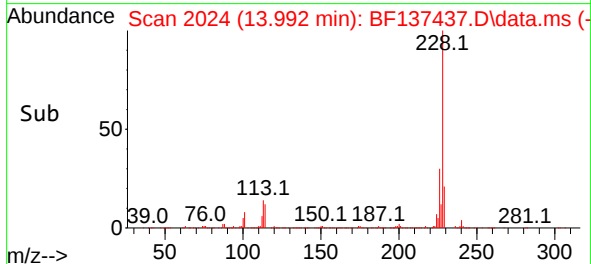
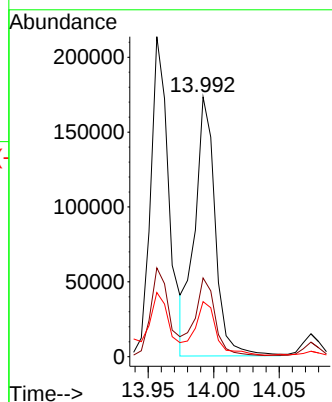
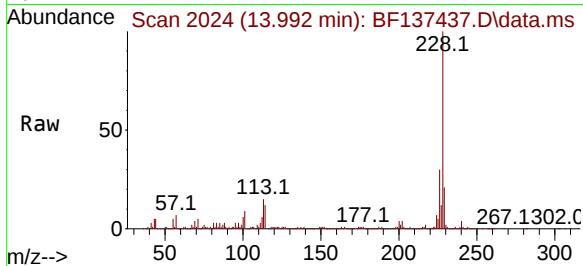
B1COMP(0-8)

Tgt Ion:228 Resp: 189498
Ion Ratio Lower Upper
228 100
226 30.3 24.6 37.0
229 21.2 15.8 23.8

Manual Integrations

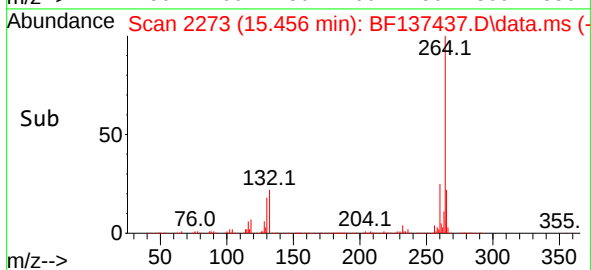
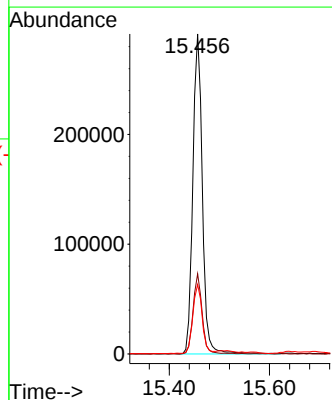
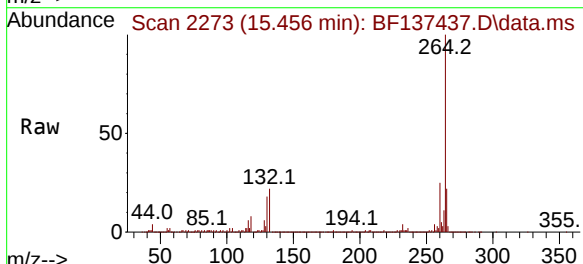
APPROVED

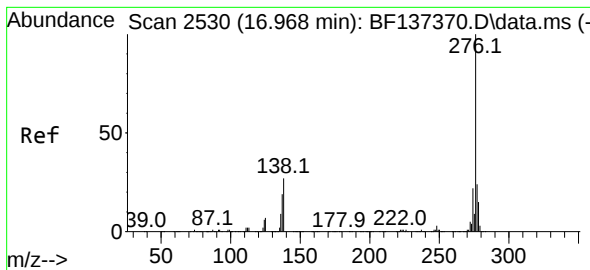
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.456 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Tgt Ion:264 Resp: 383874
Ion Ratio Lower Upper
264 100
260 25.0 18.5 27.7
265 21.7 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.082 ng

RT: 16.956 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF137437.D

Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

B1COMP(0-8)

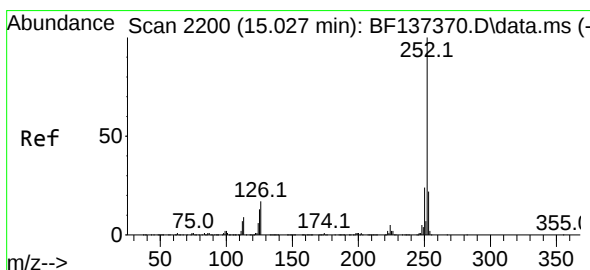
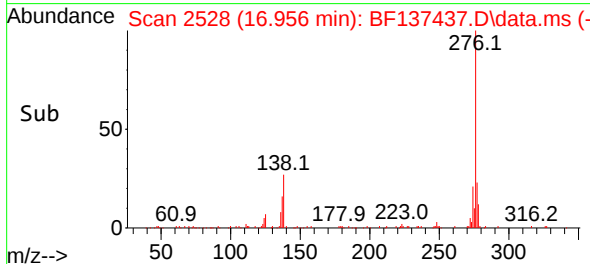
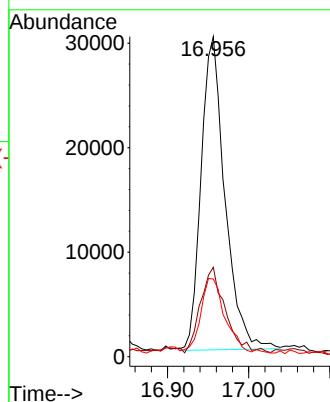
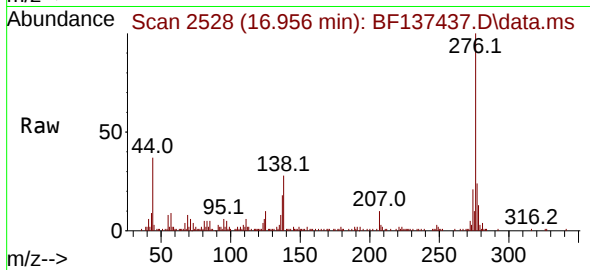
Tgt Ion:276 Resp: 61164

Ion	Ratio	Lower	Upper
276	100		
138	28.5	25.8	38.8
277	23.4	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#88

Benzo(b)fluoranthene

Concen: 9.137 ng m

RT: 15.021 min Scan# 2199

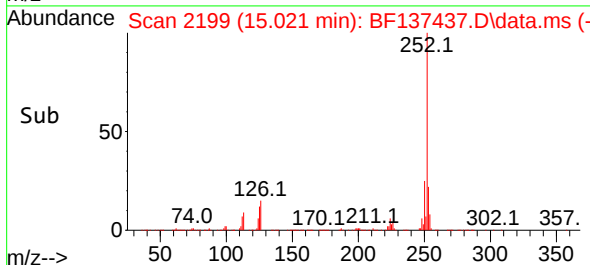
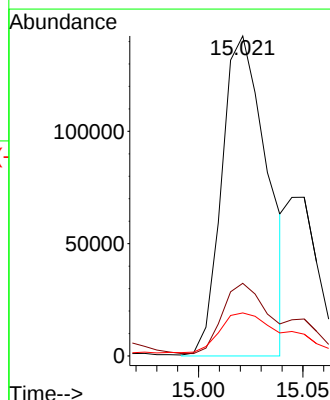
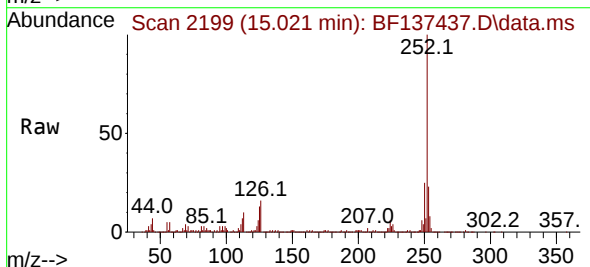
Delta R.T. -0.006 min

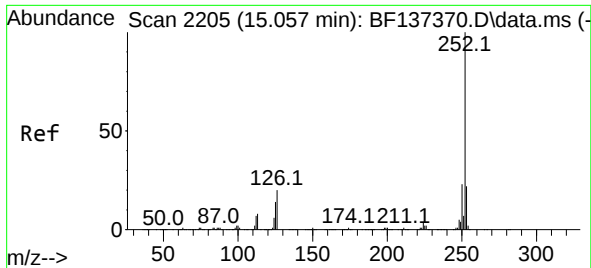
Lab File: BF137437.D

Acq: 28 Feb 2024 22:17

Tgt Ion:252 Resp: 215174

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	13.5	10.2	15.2





#89
Benzo(k)fluoranthene
Concen: 2.932 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

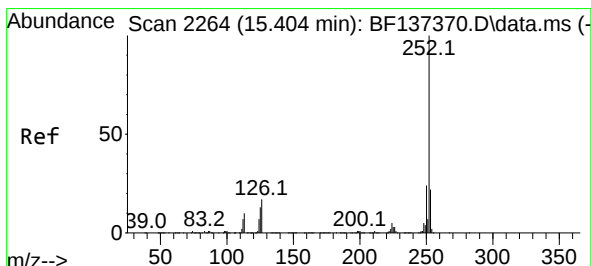
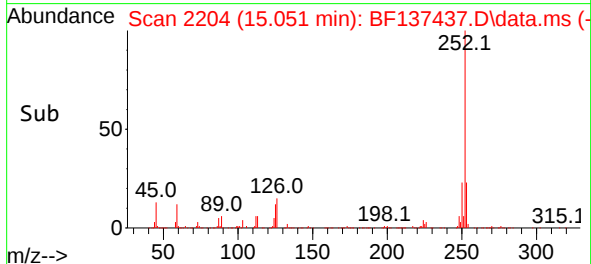
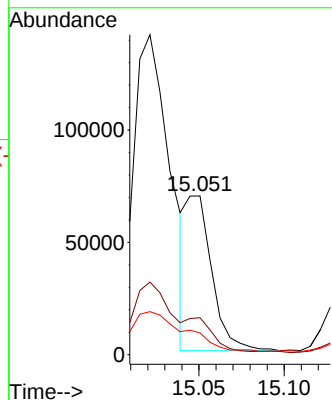
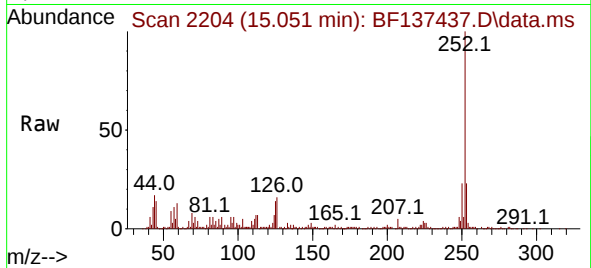
B1COMP(0-8)

Tgt Ion:252 Resp: 72362
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 13.8 10.7 16.1

Manual Integrations

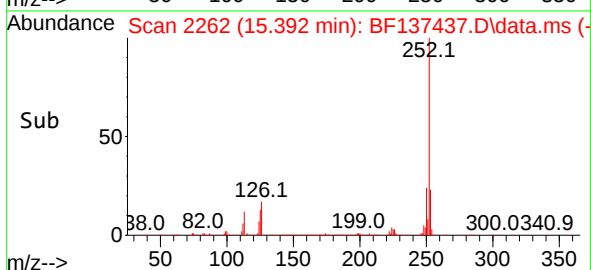
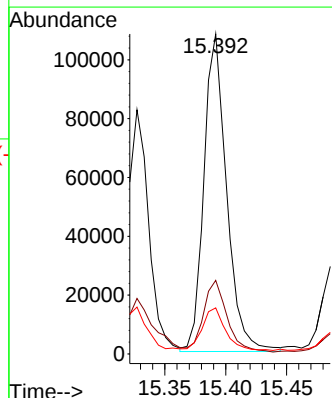
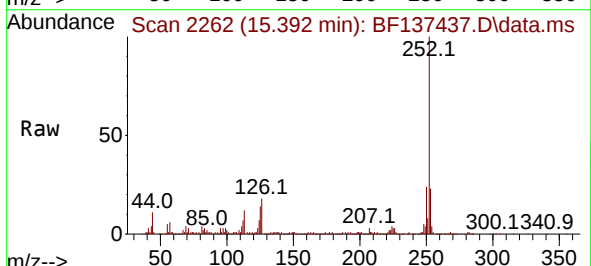
APPROVED

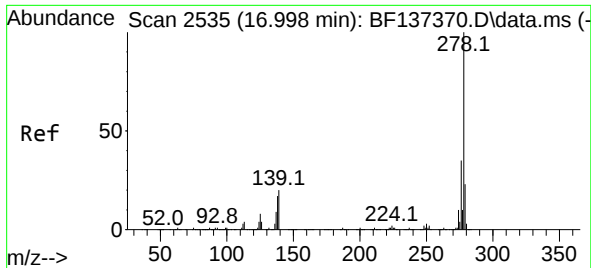
Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#90
Benzo(a)pyrene
Concen: 6.286 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Tgt Ion:252 Resp: 140399
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 14.4 10.6 16.0





#91
Dibenzo(a,h)anthracene
Concen: 2.183 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.030 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Instrument :

BNA_F

ClientSampleId :

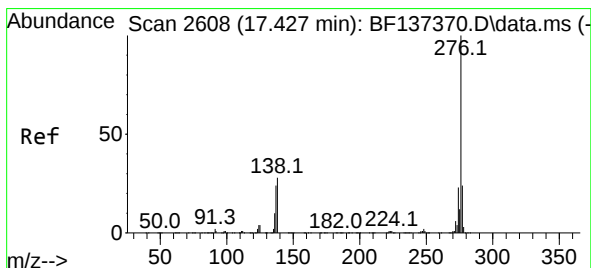
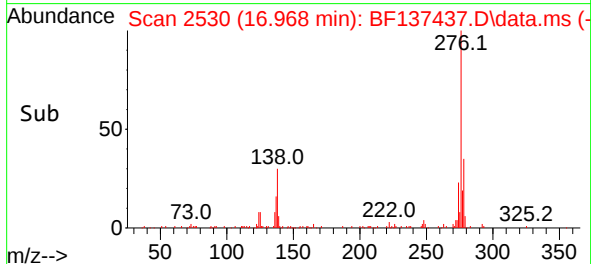
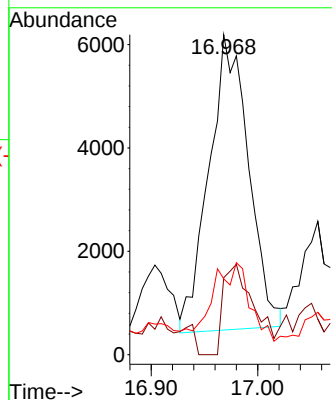
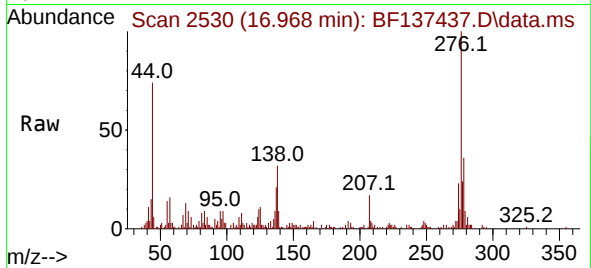
B1COMP(0-8)

Tgt Ion:278 Resp: 1473
Ion Ratio Lower Upper
278 100
139 24.1 16.2 24.4
279 23.7 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/29/2024
Supervised By :mohammad ahmed 03/01/2024



#92
Benzo(g,h,i)perylene
Concen: 4.684 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.018 min
Lab File: BF137437.D
Acq: 28 Feb 2024 22:17

Tgt Ion:276 Resp: 61534
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.4
138 28.4 22.6 33.8

