

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF139001.D
 Acq On : 14 Aug 2024 18:46
 Operator : RC/JU
 Sample : P3549-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-080924

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 19:24:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	32959	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	111041	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	48665	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	90475	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	53005	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	44467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	126071	59.046	ng	0.00
7) Phenol-d6	6.481	99	153346	53.493	ng	0.00
23) Nitrobenzene-d5	7.398	82	97800	43.061	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	22347	56.059	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	143611	44.339	ng	-0.02
79) Terphenyl-d14	12.933	244	156920	49.566	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.569	202	30590	7.033	ng	98
78) Pyrene	12.798	202	30577	6.127	ng	99
81) Benzo(a)anthracene	13.986	228	13873	3.801	ng	# 86
83) Chrysene	14.021	228	13369	4.060	ng	# 84
88) Benzo(b)fluoranthene	15.039	252	14689m	5.329	ng	
89) Benzo(k)fluoranthene	15.057	252	5101m	2.137	ng	
90) Benzo(a)pyrene	15.404	252	10709	4.619	ng	# 81
92) Benzo(g,h,i)perylene	17.398	276	6297	2.320	ng	# 80

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

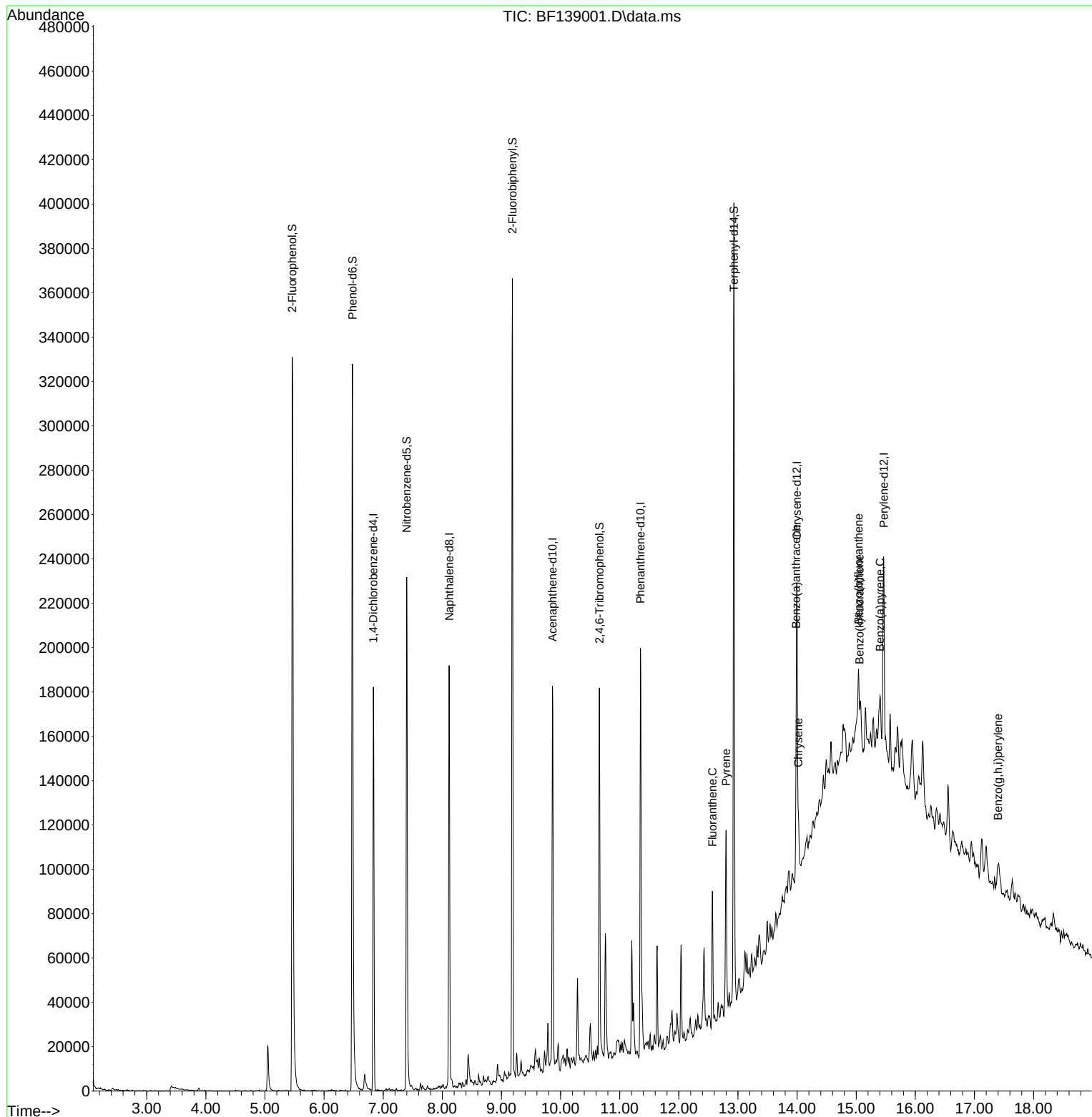
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139001.D
Acq On : 14 Aug 2024 18:46
Operator : RC/JU
Sample : P3549-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

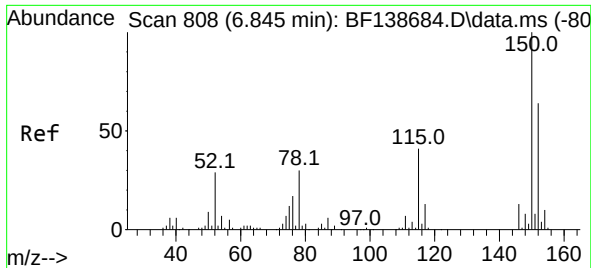
Instrument :
BNA_F
ClientSampleId :
SU-04-080924

Quant Time: Aug 14 19:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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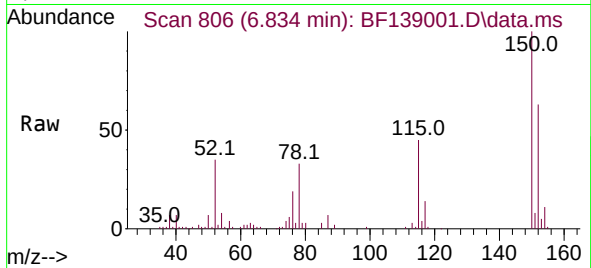
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

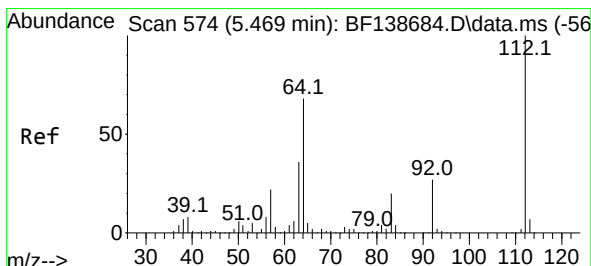
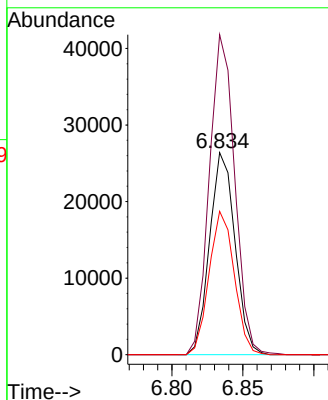
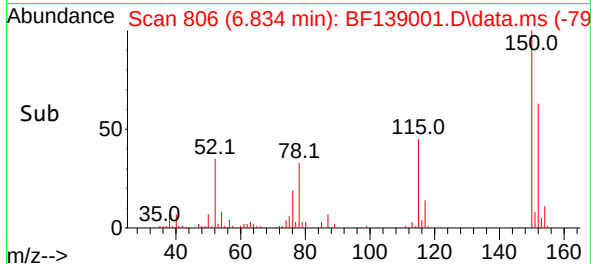


Tgt Ion:152 Resp: 32958
Ion Ratio Lower Upper
152 100
150 158.3 126.0 189.0
115 70.9 51.7 77.5

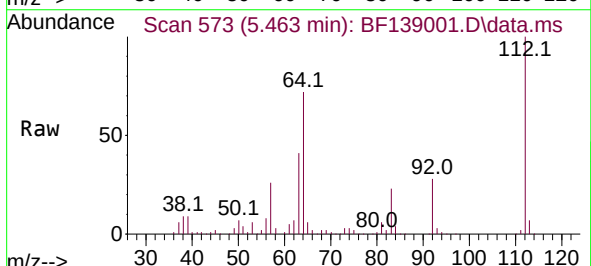
Manual Integrations

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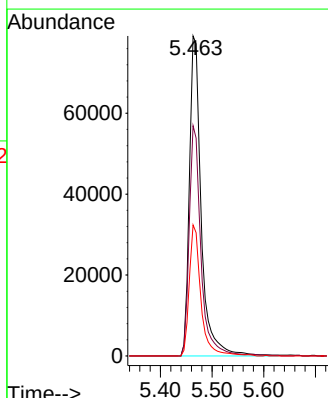
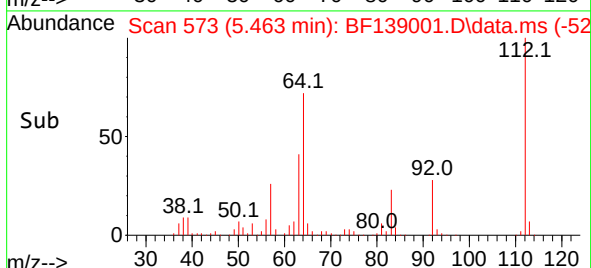
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

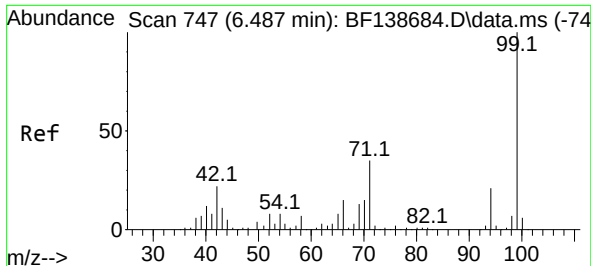


#5
2-Fluorophenol
Concen: 59.046 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46



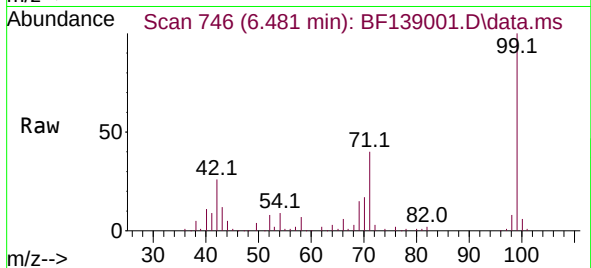
Tgt Ion:112 Resp: 126071
Ion Ratio Lower Upper
112 100
64 71.9 54.2 81.4
63 40.9 28.7 43.1





#7
Phenol-d6
Concen: 53.493 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

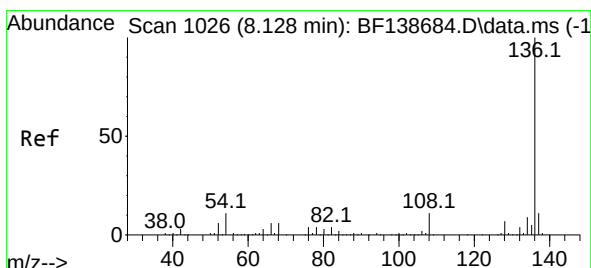
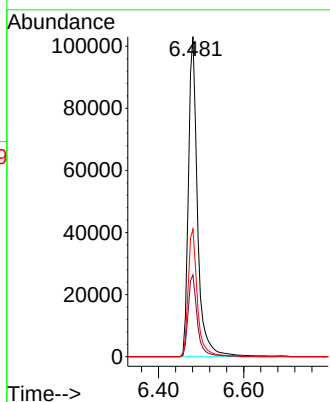
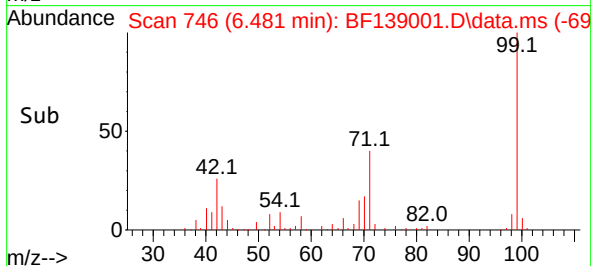
Instrument :
BNA_F
ClientSampleId :
SU-04-080924



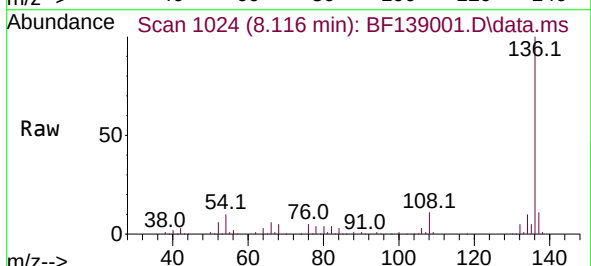
Tgt Ion: 99 Resp: 153340
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 39.9 28.1 42.1

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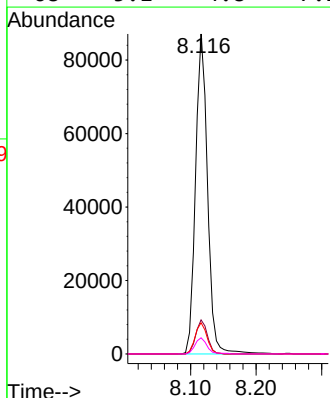
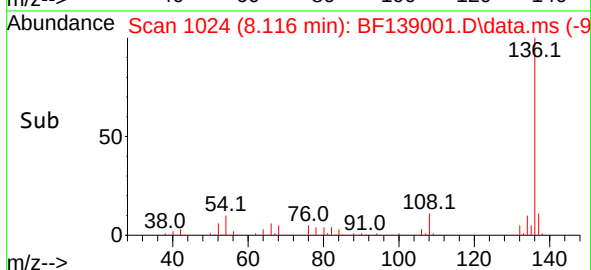
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

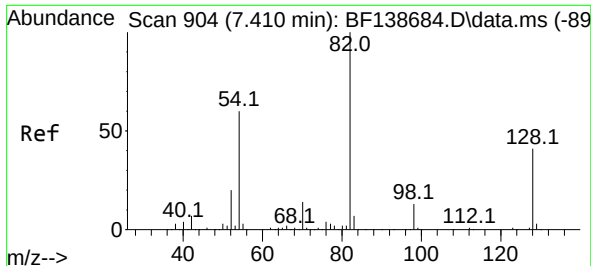


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46



Tgt Ion:136 Resp: 111041
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.7 8.6 12.8
68 5.1 4.8 7.2





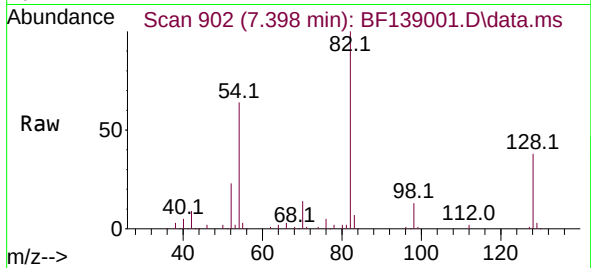
#23
Nitrobenzene-d5
Concen: 43.061 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

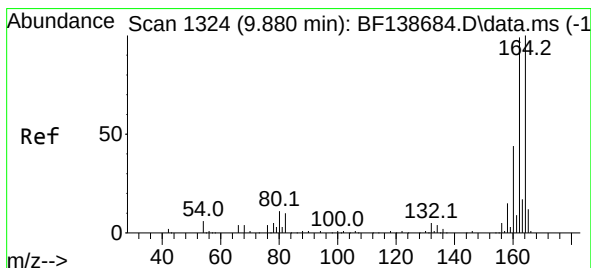
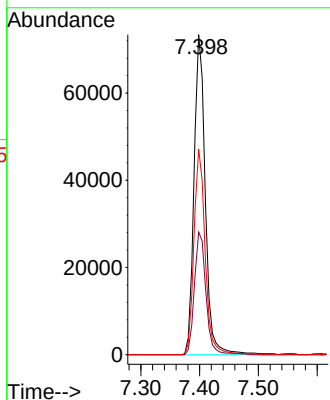
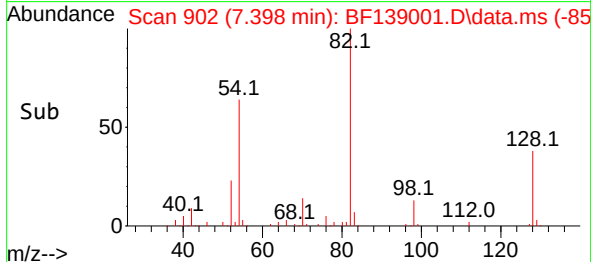
SU-04-080924



Tgt Ion: 82 Resp: 97800
Ion Ratio Lower Upper
82 100
128 38.3 32.8 49.2
54 64.3 48.3 72.5

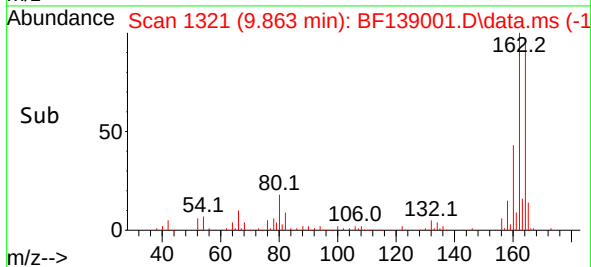
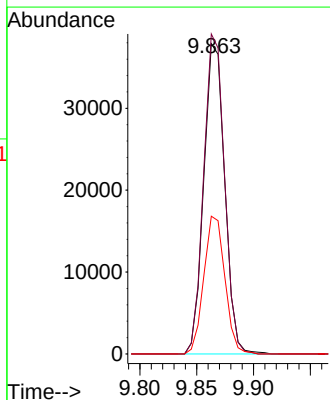
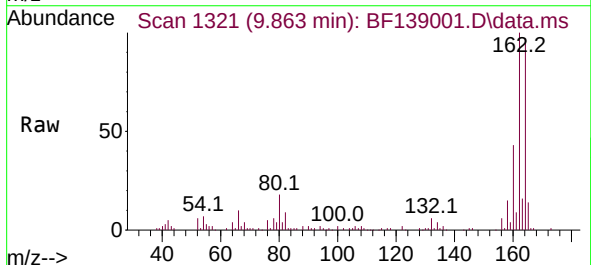
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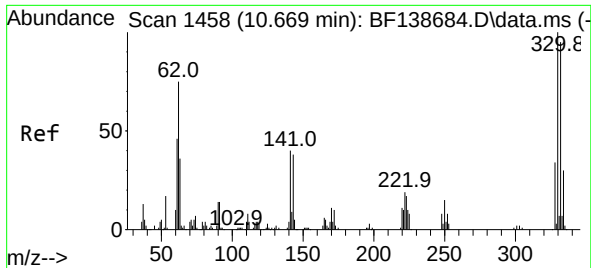
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:164 Resp: 48665
Ion Ratio Lower Upper
164 100
162 103.1 79.4 119.0
160 44.4 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 56.059 ng
RT: 10.657 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

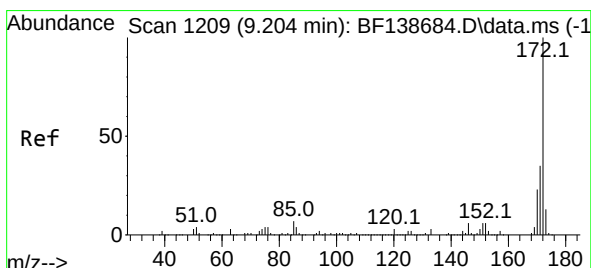
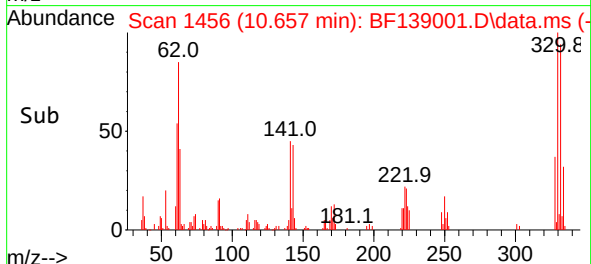
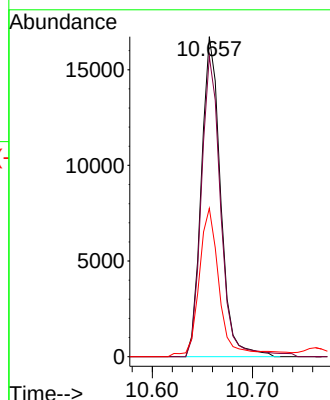
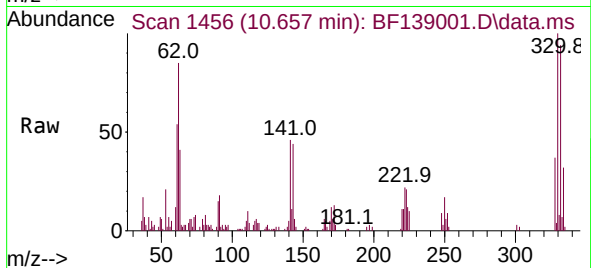
Tgt Ion: 330 Resp: 2234
Ion Ratio Lower Upper
330 100
332 94.6 76.4 114.6
141 50.2 31.1 46.7

Manual Integrations

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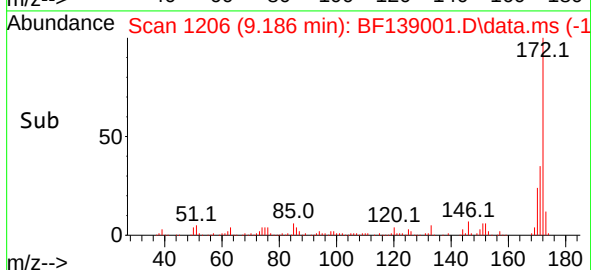
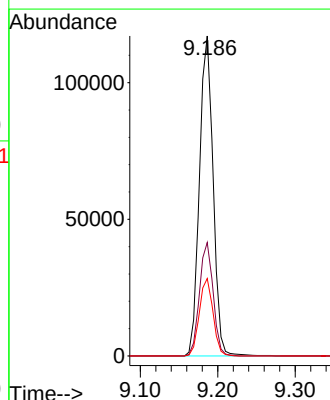
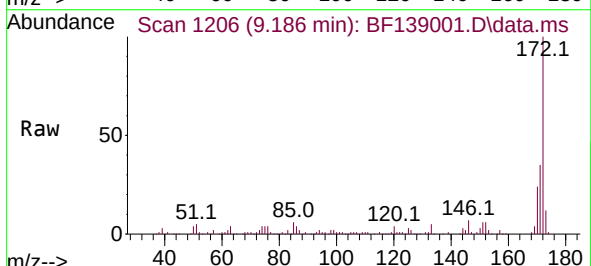
Reviewed By :Yogesh Patel 08/15/2024

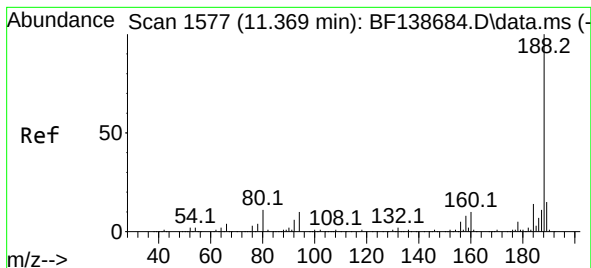
Supervised By :mohammad ahmed 08/16/2024



#45
2-Fluorobiphenyl
Concen: 44.339 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion: 172 Resp: 143611
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 24.2 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.018 min

Lab File: BF139001.D

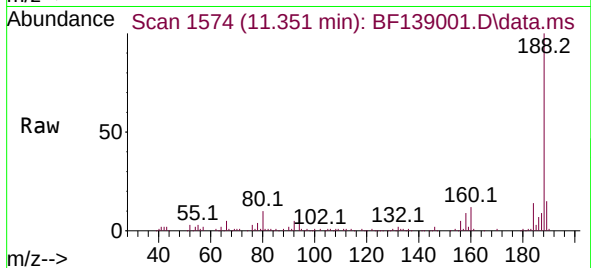
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924



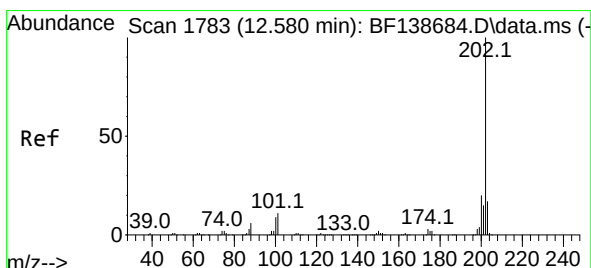
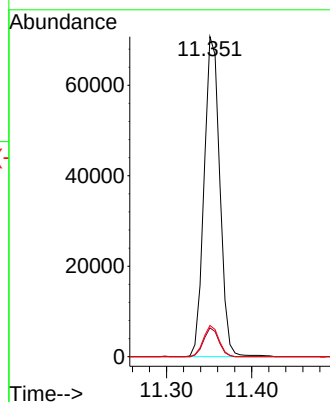
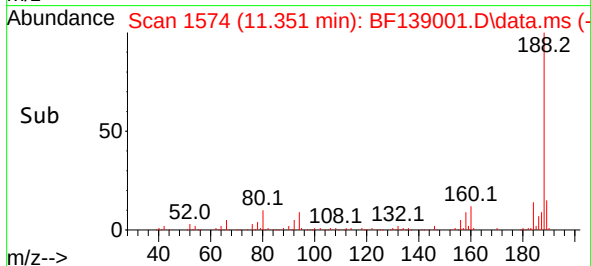
Tgt Ion:188	Resp:	90475
Ion Ratio	Lower	Upper
188	100	
94	9.0	7.6 11.4
80	9.7	8.6 12.8

Manual Integrations

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Supervised By :mohammad ahmed 08/16/2024



#75

Fluoranthene

Concen: 7.033 ng

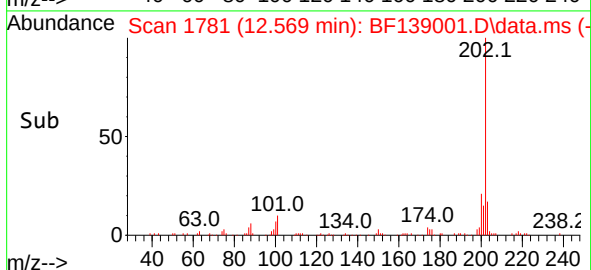
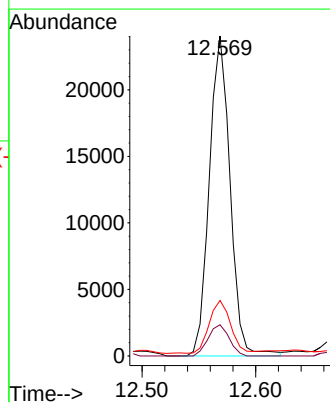
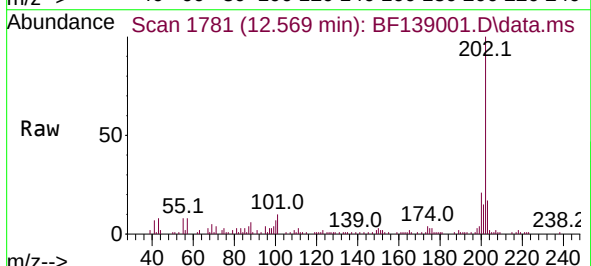
RT: 12.569 min Scan# 1781

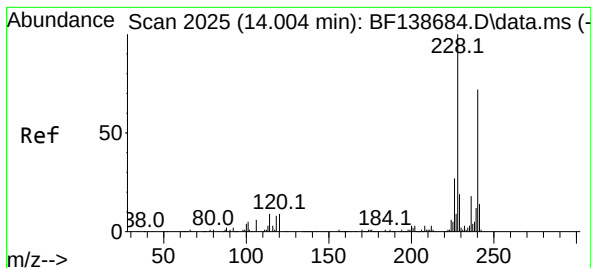
Delta R.T. -0.012 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Tgt Ion:202	Resp:	30590
Ion Ratio	Lower	Upper
202	100	
101	9.8	0.0 31.2
203	17.4	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

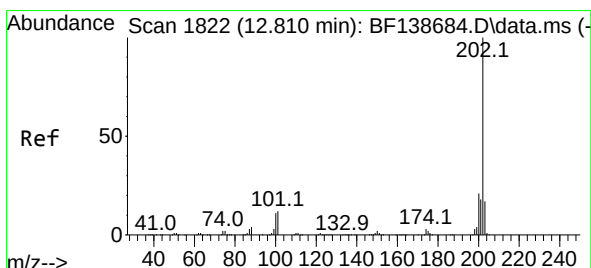
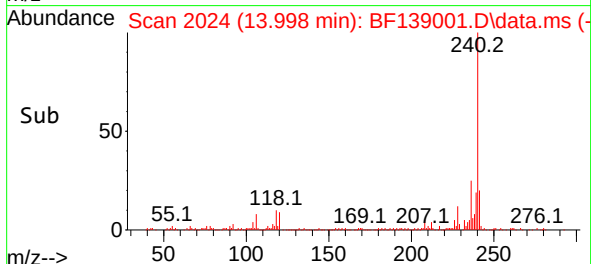
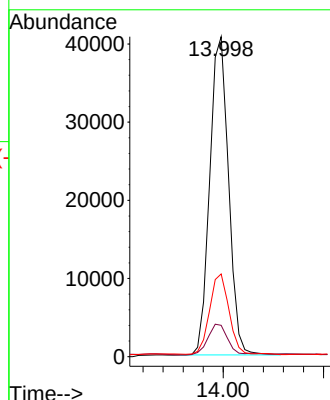
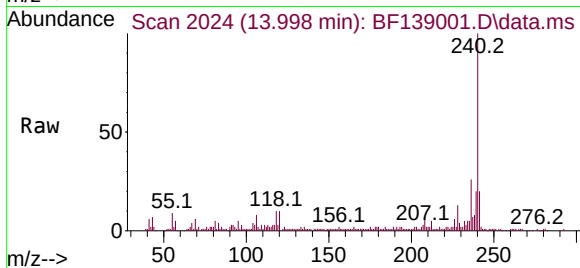
Tgt Ion:	240	Resp:	5300
Ion Ratio	Lower	Upper	
240	100		
120	9.8	10.2	15.4
236	25.9	19.8	29.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#78

Pyrene

Concen: 6.127 ng

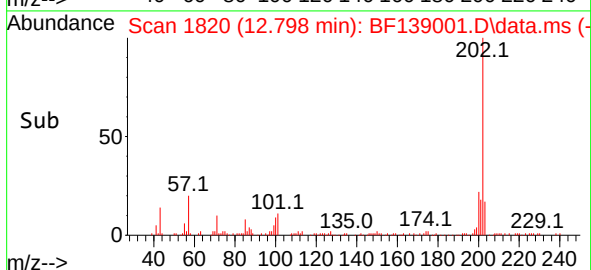
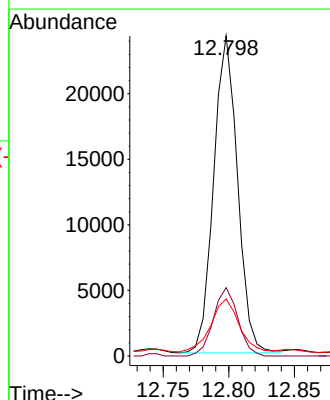
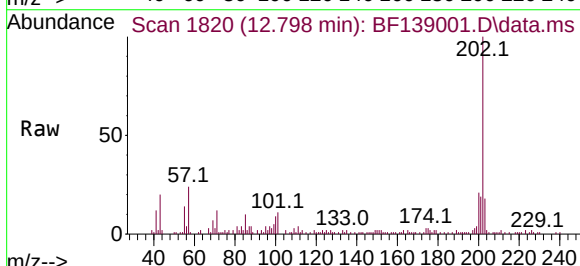
RT: 12.798 min Scan# 1820

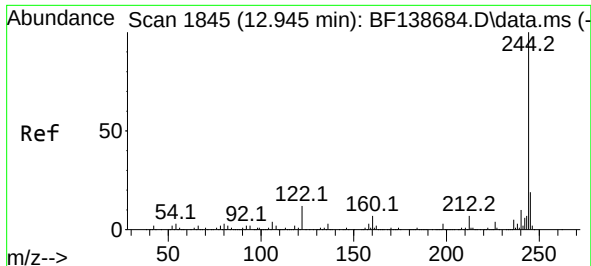
Delta R.T. -0.012 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Tgt Ion:	202	Resp:	30577
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.8	25.2
203	17.8	13.8	20.6





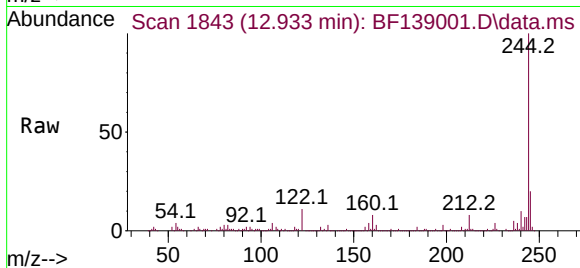
#79
 Terphenyl-d14
 Concen: 49.566 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: BF139001.D
 Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924



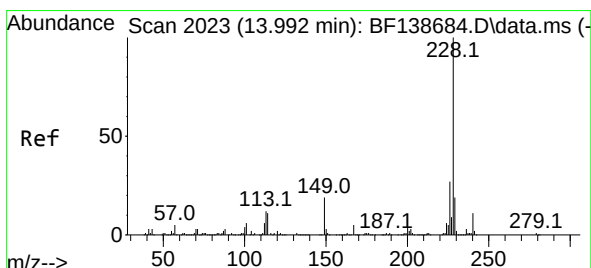
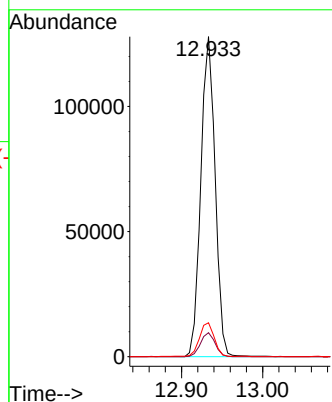
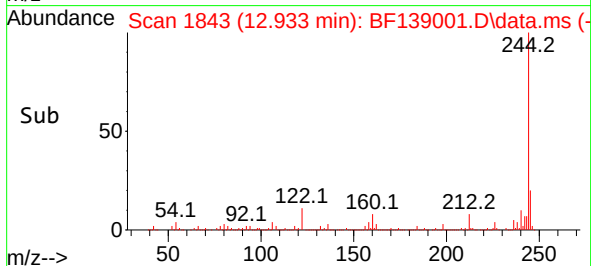
Tgt Ion:244 Resp: 156920
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 10.6 9.6 14.4

Manual Integrations

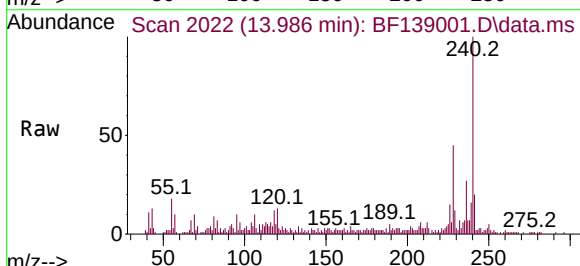
APPROVED

Reviewed By :Yogesh Patel 08/15/2024

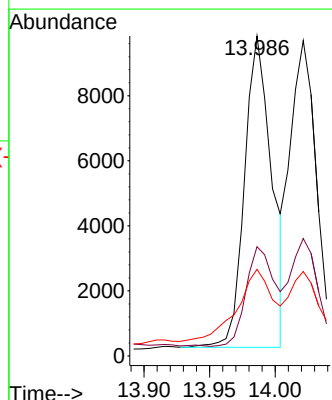
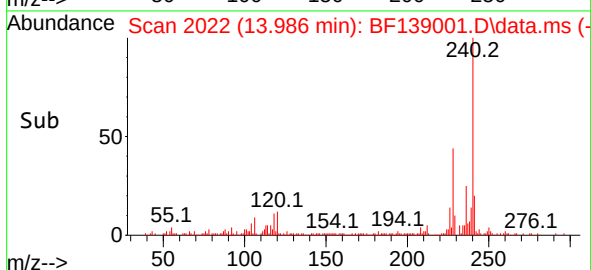
Supervised By :mohammad ahmed 08/16/2024

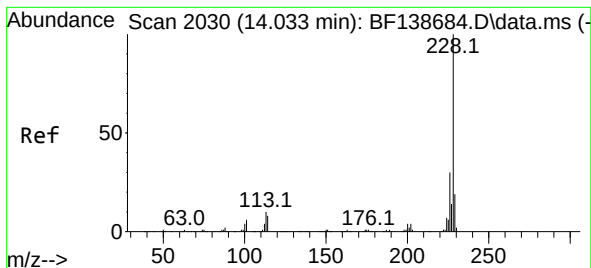


#81
 Benzo(a)anthracene
 Concen: 3.801 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF139001.D
 Acq: 14 Aug 2024 18:46



Tgt Ion:228 Resp: 13873
 Ion Ratio Lower Upper
 228 100
 226 34.1 22.1 33.1#
 229 27.0 15.4 23.0#





#83

Chrysene

Concen: 4.060 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

SU-04-080924

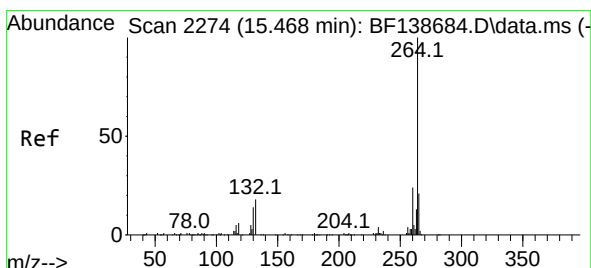
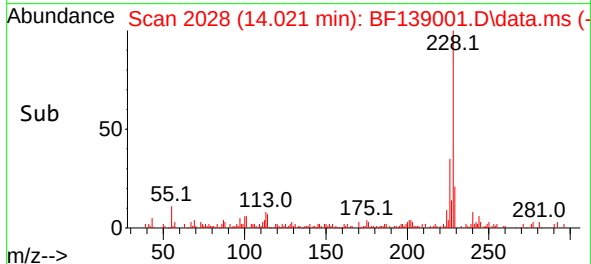
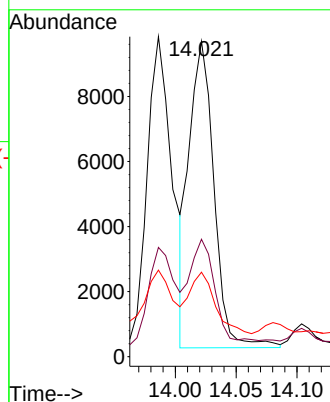
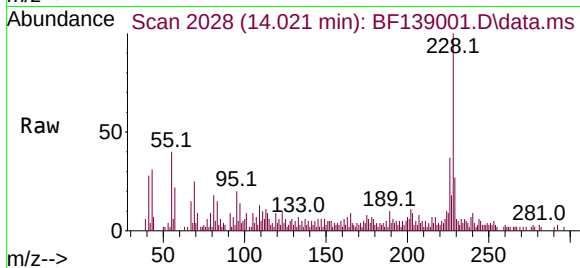
Tgt Ion:	228	Resp:	13369
Ion Ratio	Lower	Upper	
228	100		
226	37.3	23.7	35.5
229	26.8	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#86

Perylene-d12

Concen: 20.000 ng

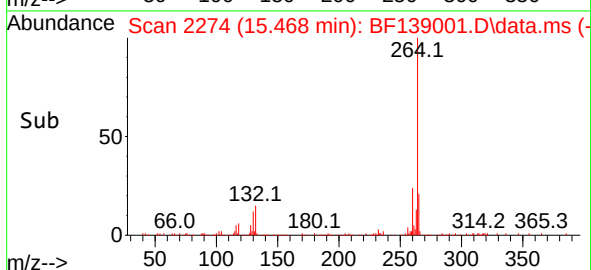
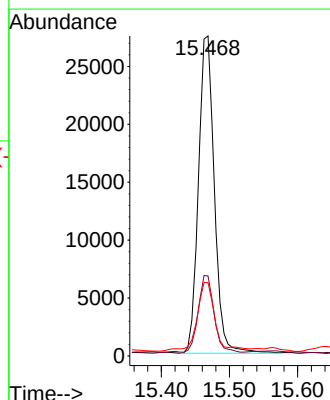
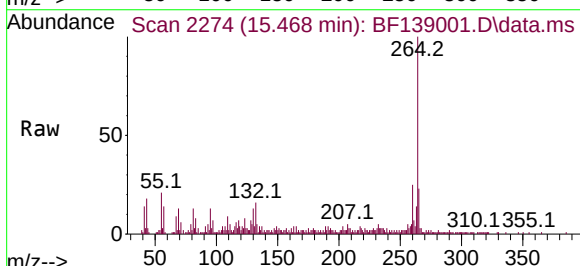
RT: 15.468 min Scan# 2274

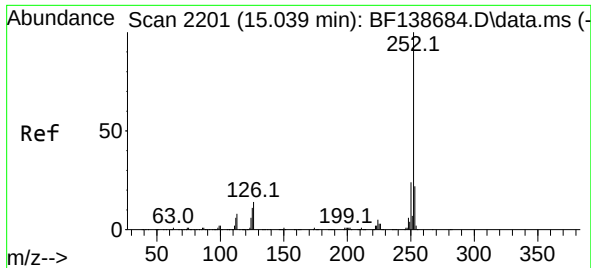
Delta R.T. 0.000 min

Lab File: BF139001.D

Acq: 14 Aug 2024 18:46

Tgt Ion:	264	Resp:	44467
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.0	28.6
265	22.9	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 5.329 ng m
RT: 15.039 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

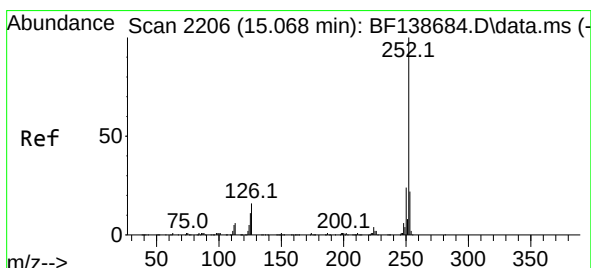
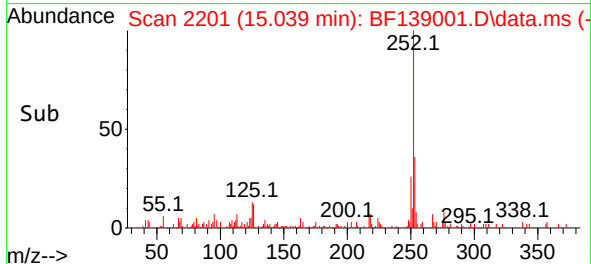
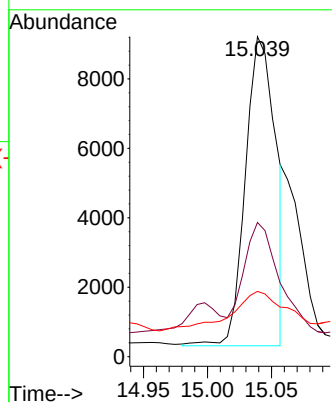
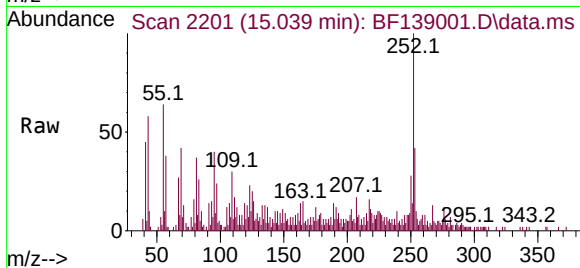
SU-04-080924

Tgt Ion:252 Resp: 14689
Ion Ratio Lower Upper
252 100
253 41.9 17.5 26.3#
125 20.4 8.9 13.3#

Manual Integrations

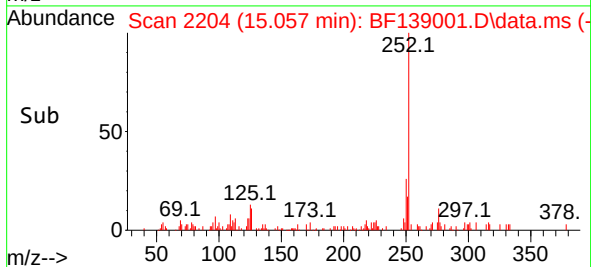
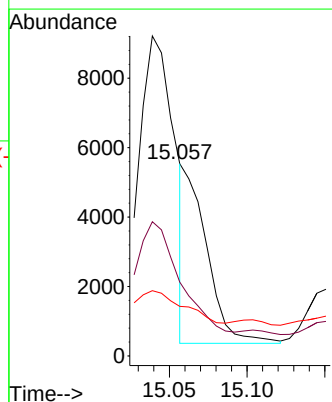
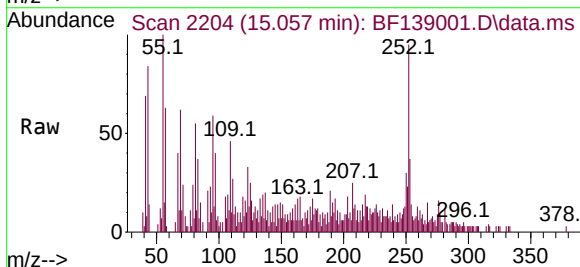
APPROVED

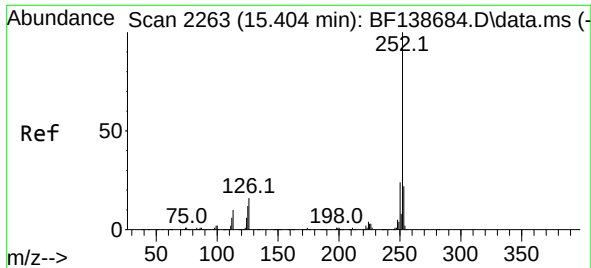
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#89
Benzo(k)fluoranthene
Concen: 2.137 ng m
RT: 15.057 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:252 Resp: 5101
Ion Ratio Lower Upper
252 100
253 38.4 17.4 26.0#
125 25.8 8.6 13.0#





#90
Benzo(a)pyrene
Concen: 4.619 ng
RT: 15.404 min Scan# 210
Delta R.T. 0.000 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Instrument :

BNA_F

ClientSampleId :

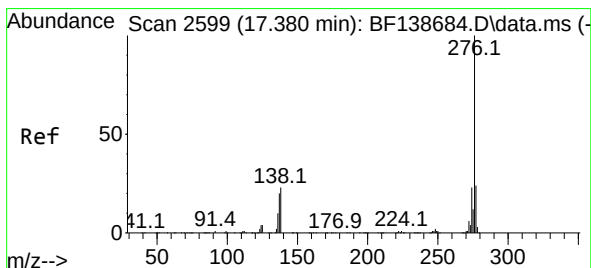
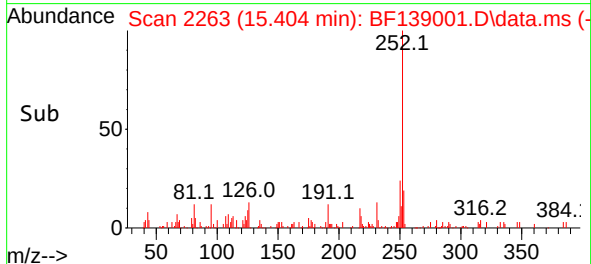
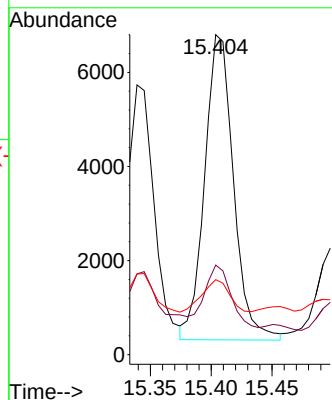
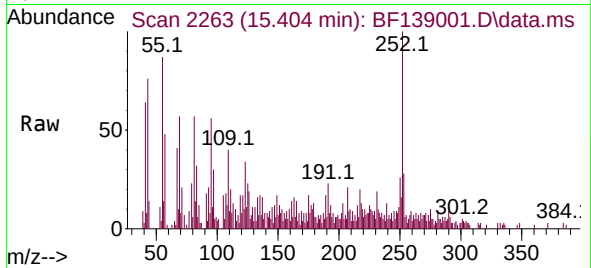
SU-04-080924

Tgt Ion:252 Resp: 10709
Ion Ratio Lower Upper
252 100
253 28.0 17.3 25.9#
125 23.4 9.5 14.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#92
Benzo(g,h,i)perylene
Concen: 2.320 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF139001.D
Acq: 14 Aug 2024 18:46

Tgt Ion:276 Resp: 6297
Ion Ratio Lower Upper
276 100
277 34.8 19.0 28.4#
138 32.0 18.5 27.7#

