

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139803.D
 Acq On : 14 Oct 2024 22:17
 Operator : RC/JU
 Sample : P4364-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-4.167-4.667

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 15 01:14:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	94240	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	342476	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	161605	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	245555	20.000	ng	0.00
76) Chrysene-d12	14.027	240	177763	20.000	ng	0.00
86) Perylene-d12	15.498	264	135400	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	444640	81.777	ng	0.00
7) Phenol-d6	6.498	99	571631	78.179	ng	0.00
23) Nitrobenzene-d5	7.422	82	356466	52.698	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	97665	62.604	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	564726	53.647	ng	-0.01
79) Terphenyl-d14	12.969	244	446742	41.236	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.757	152	35211	2.570	ng	99
71) Phenanthrene	11.410	178	155838	13.460	ng	99
72) Anthracene	11.457	178	39946	3.487	ng	99
75) Fluoranthene	12.598	202	367228	29.015	ng	99
78) Pyrene	12.827	202	372102	23.404	ng	99
81) Benzo(a)anthracene	14.016	228	203836m	17.441	ng	
83) Chrysene	14.051	228	180351	16.879	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	53127	6.666	ng	97
88) Benzo(b)fluoranthene	15.074	252	173679m	19.838	ng	
89) Benzo(k)fluoranthene	15.086	252	57149m	7.695	ng	
90) Benzo(a)pyrene	15.439	252	104822	15.185	ng	96
91) Dibenzo(a,h)anthracene	16.974	278	13783	2.085	ng	# 83
92) Benzo(g,h,i)perylene	17.421	276	54771	8.262	ng	100

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

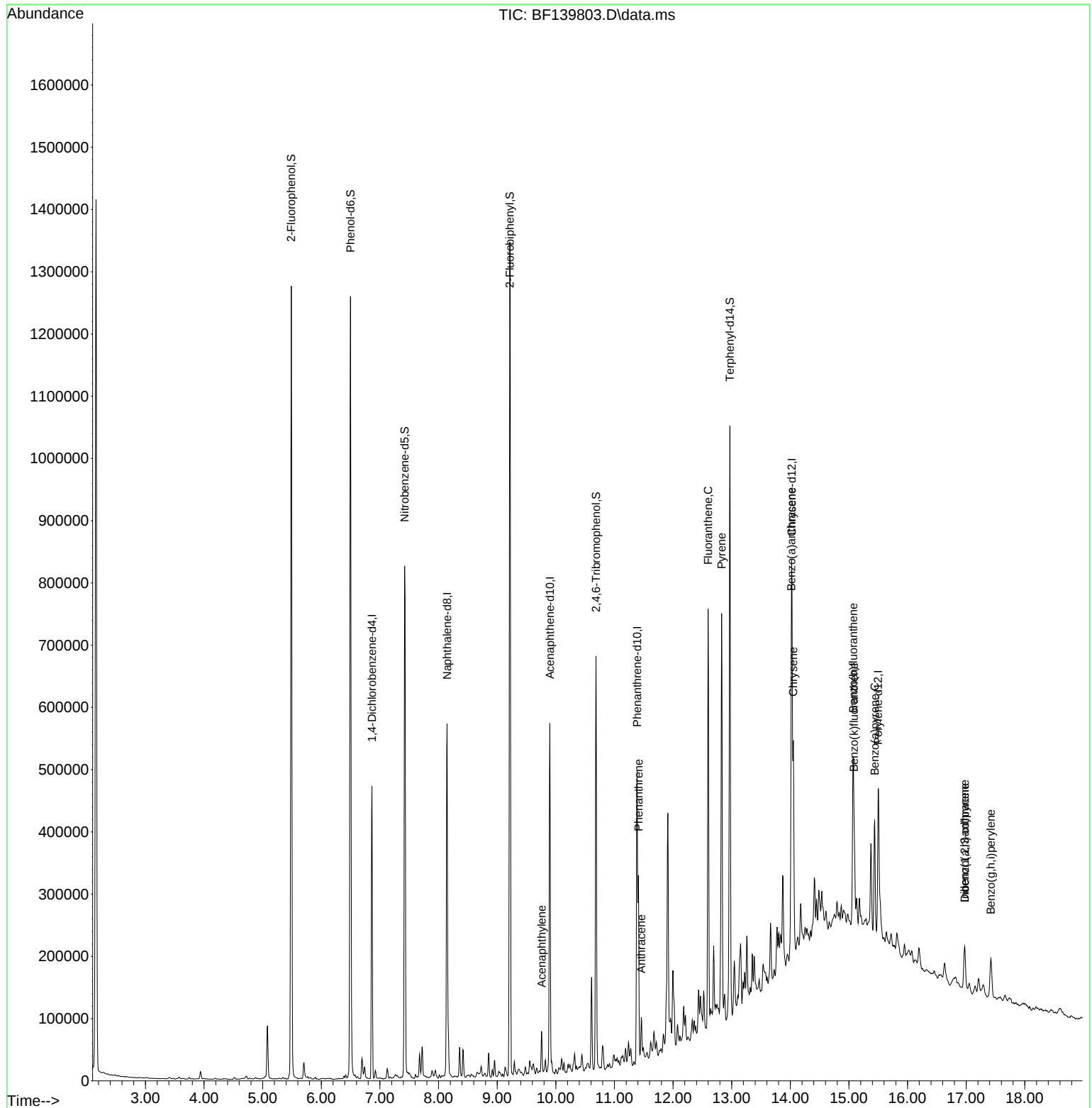
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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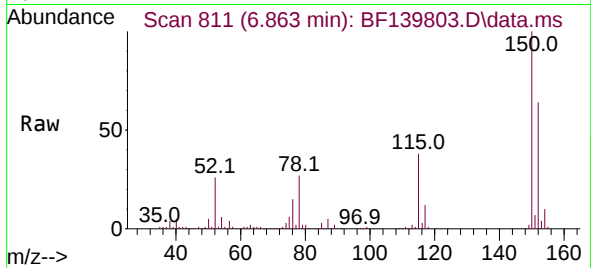
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

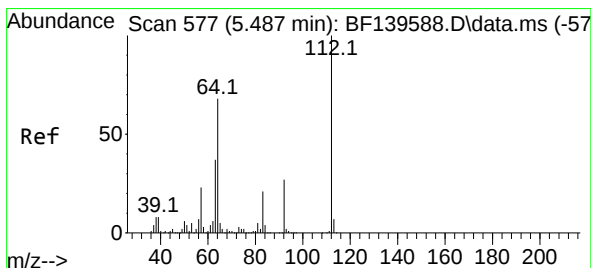
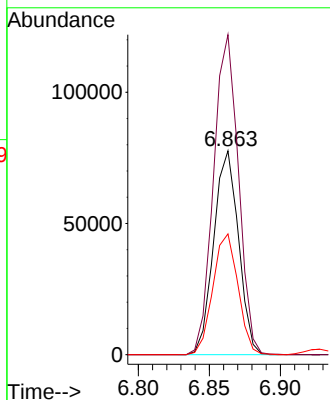
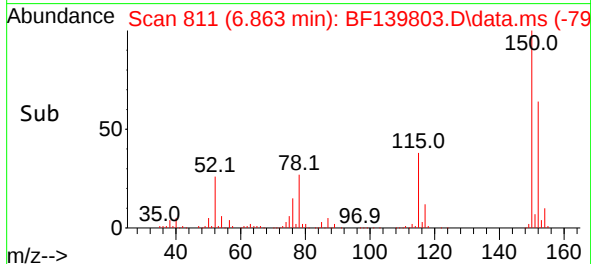
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



Tgt Ion:152 Resp: 94240
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 59.3 49.0 73.4

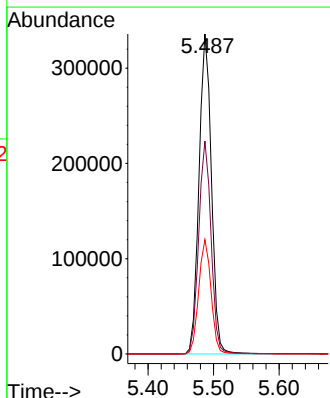
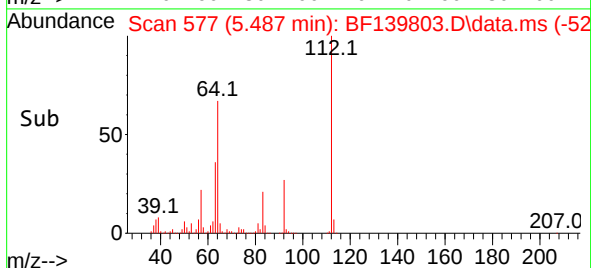
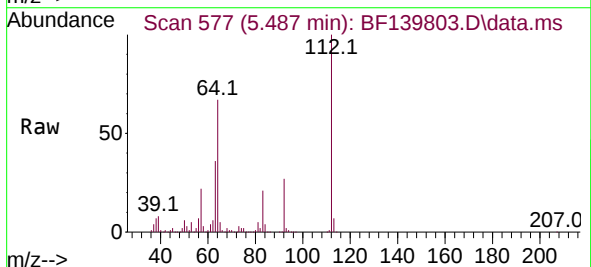
Manual Integrations
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Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 81.777 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

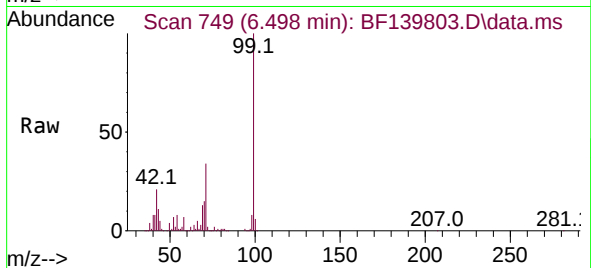
Tgt Ion:112 Resp: 444640
Ion Ratio Lower Upper
112 100
64 66.5 54.2 81.4
63 35.7 29.4 44.2





#7
Phenol-d6
Concen: 78.179 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

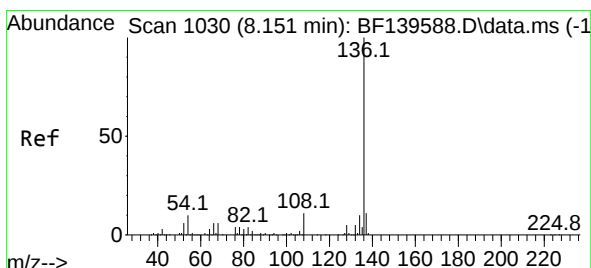
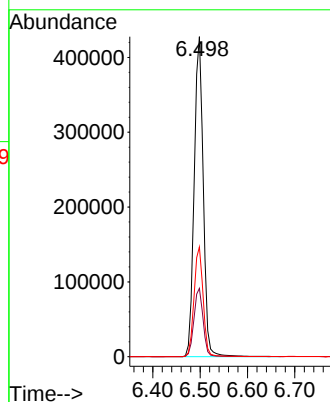
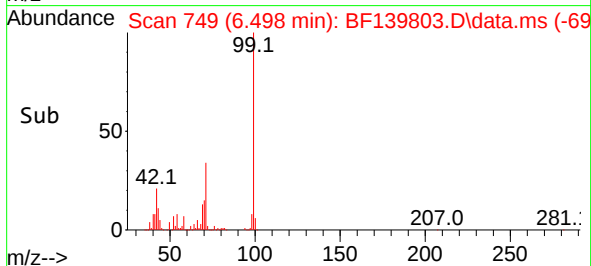
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



Tgt Ion: 99 Resp: 57163
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 34.3 29.7 44.5

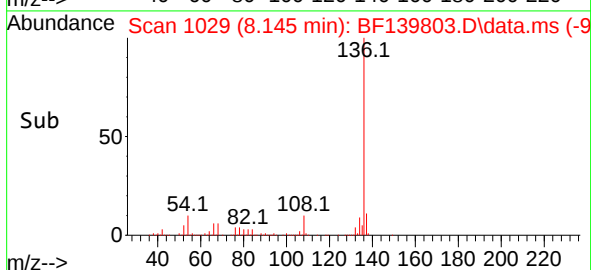
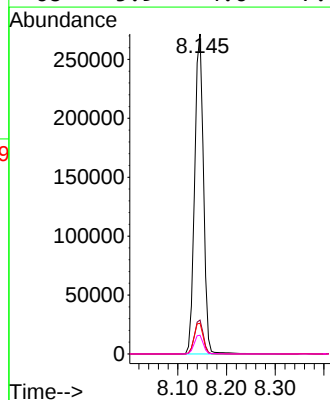
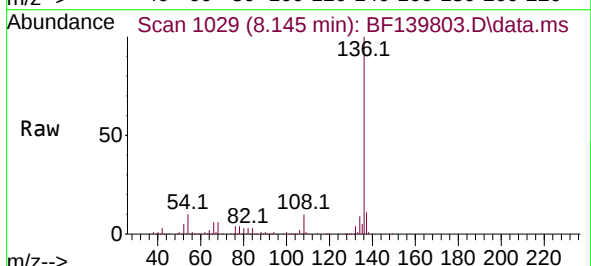
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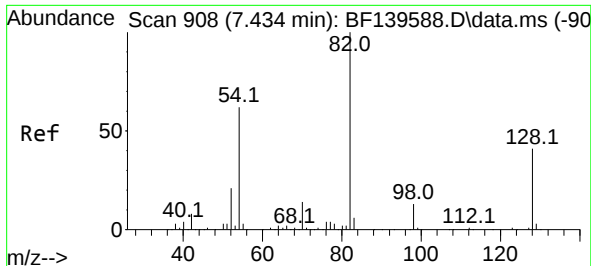
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion:136 Resp: 342476
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.6 8.3 12.5
68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 52.698 ng

RT: 7.422 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139803.D

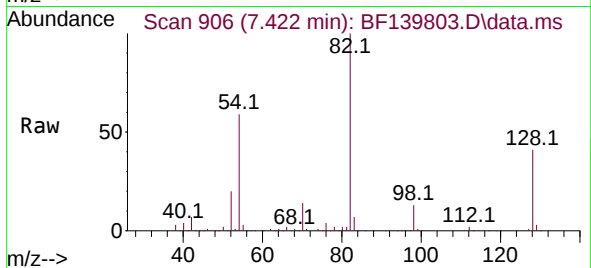
Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667



Tgt Ion: 82 Resp: 35646

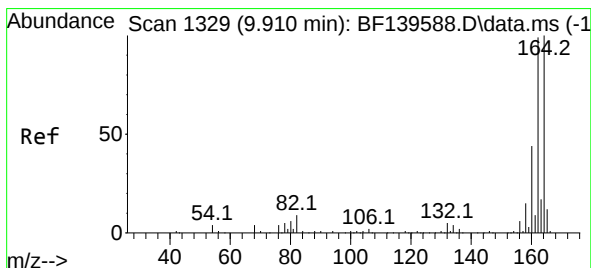
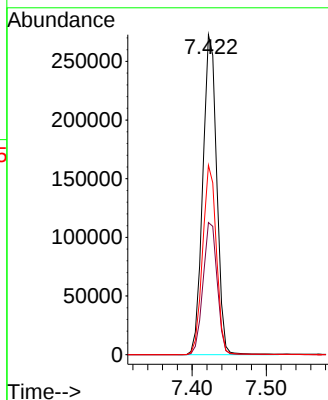
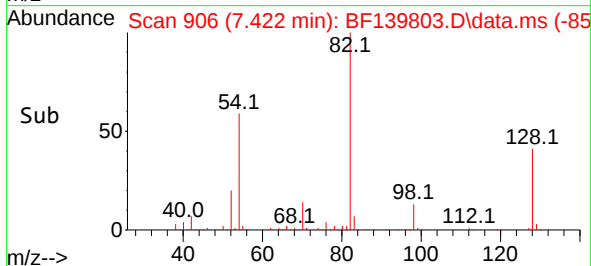
Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.4	48.6
54	59.2	49.1	73.7

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Supervised By :mohammad ahmed 10/15/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

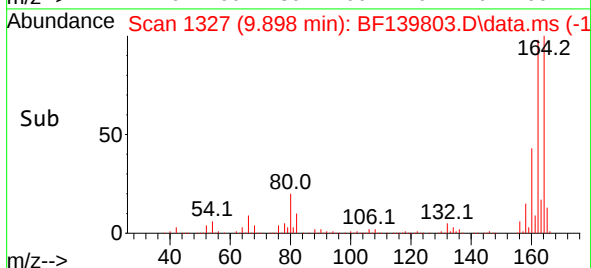
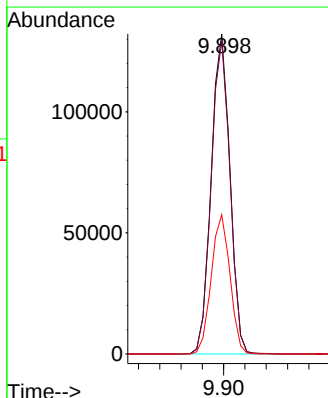
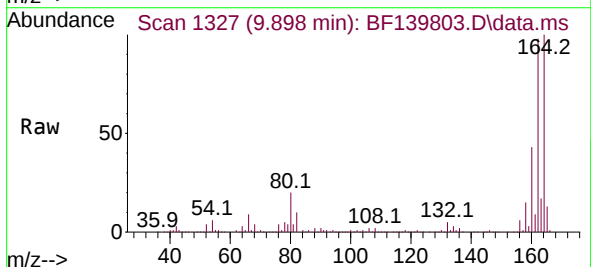
Delta R.T. -0.012 min

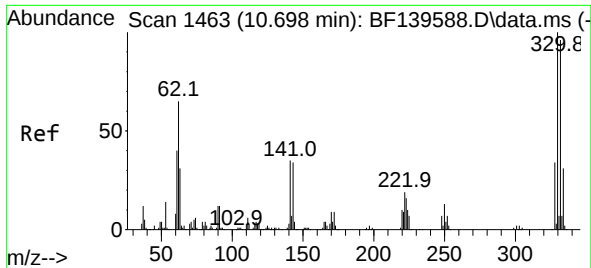
Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Tgt Ion:164 Resp: 161605

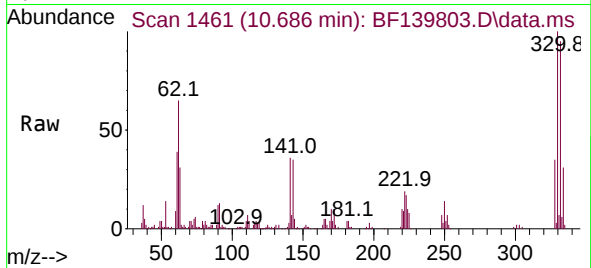
Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.4	119.0
160	43.5	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 62.604 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

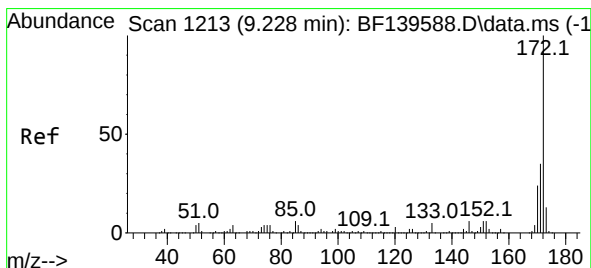
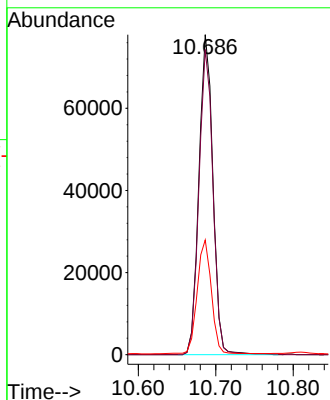
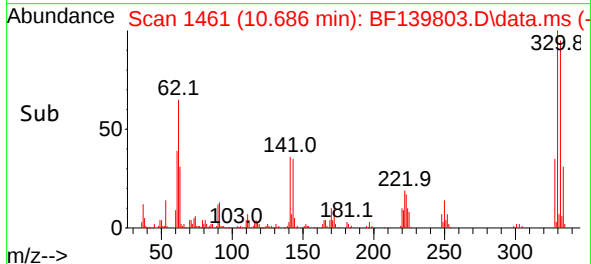
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



Tgt Ion: 330 Resp: 9766
Ion Ratio Lower Upper
330 100
332 95.8 76.5 114.7
141 36.3 29.3 43.9

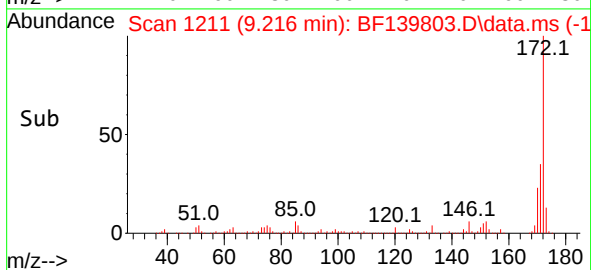
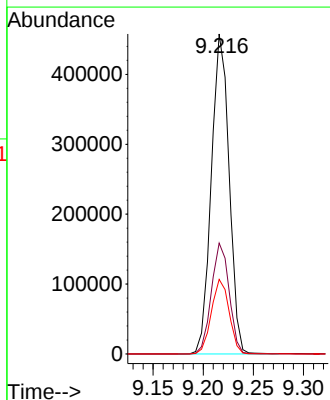
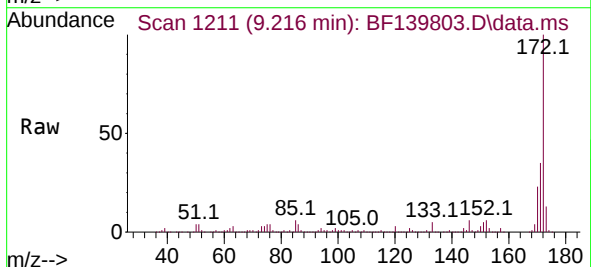
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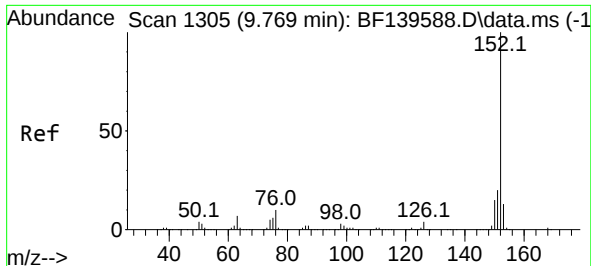
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#45
2-Fluorobiphenyl
Concen: 53.647 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion: 172 Resp: 564726
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.3 18.8 28.2





#49

Acenaphthylene

Concen: 2.570 ng

RT: 9.757 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

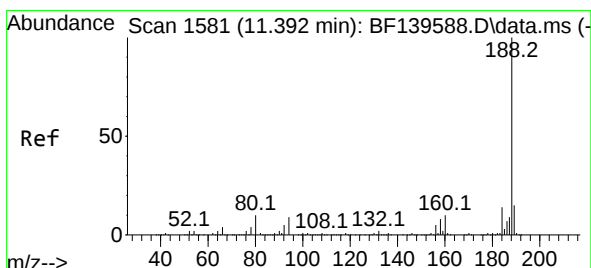
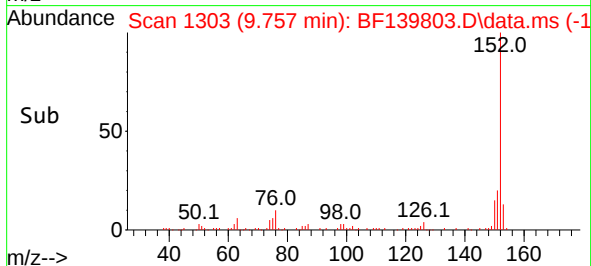
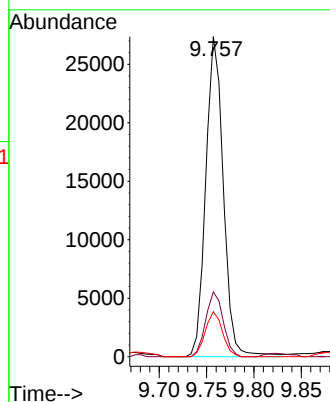
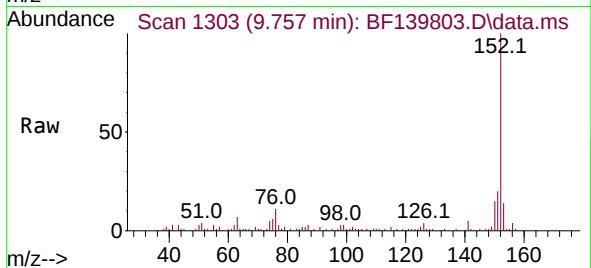
Tgt Ion:152	Resp:	3521
Ion Ratio	Lower	Upper
152	100	
151	20.2	16.0 24.0
153	14.1	10.5 15.7

Manual Integrations

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Supervised By :mohammad ahmed 10/15/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

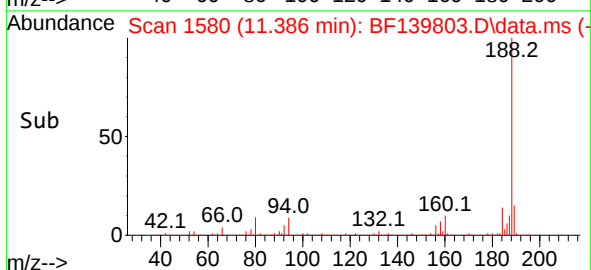
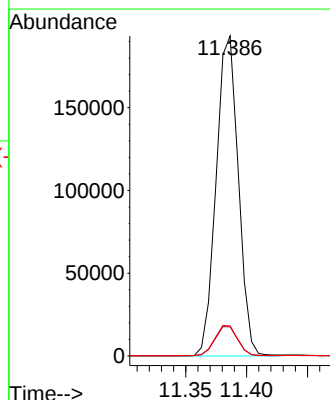
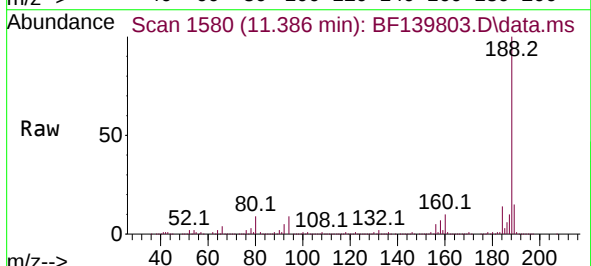
RT: 11.386 min Scan# 1580

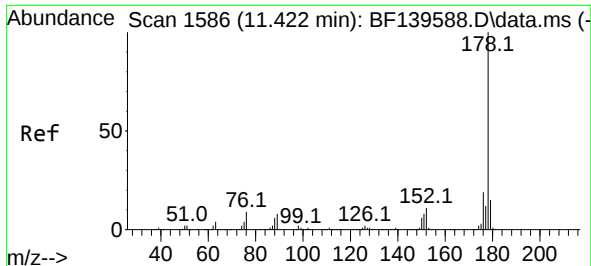
Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

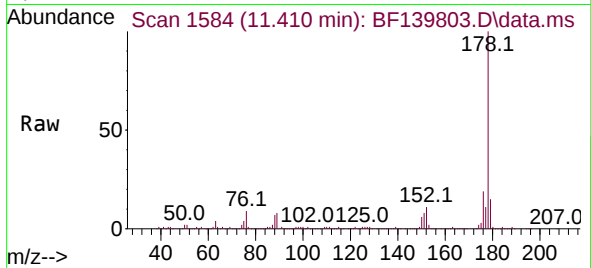
Tgt Ion:188	Resp:	245555
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.4 11.2
80	9.4	8.2 12.2





#71
Phenanthrene
Concen: 13.460 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

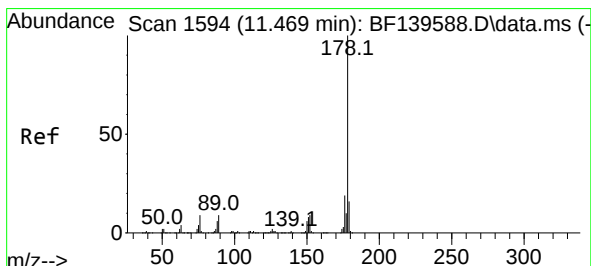
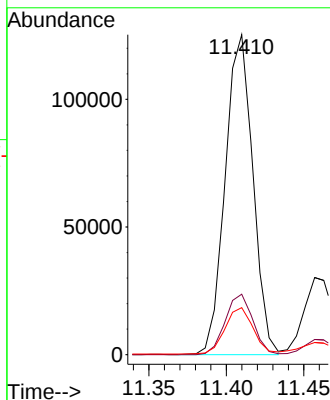
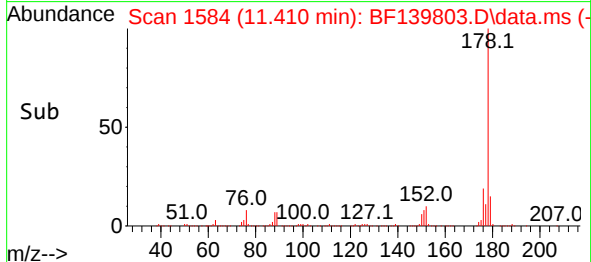
Instrument :
BNA_F
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SB-03-4.167-4.667



Tgt Ion:178 Resp: 155838
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.7 12.3 18.5

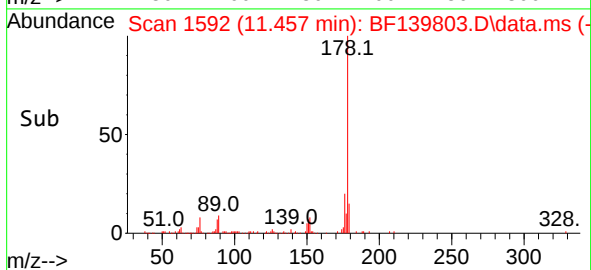
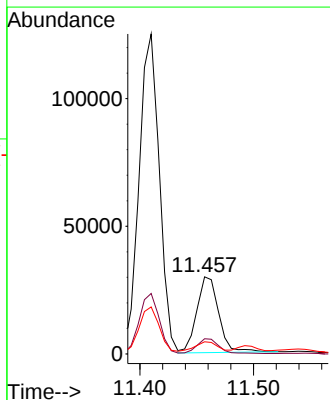
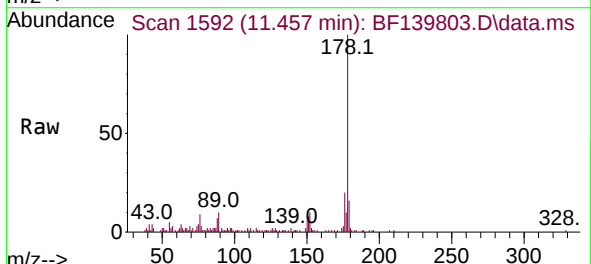
Manual Integrations
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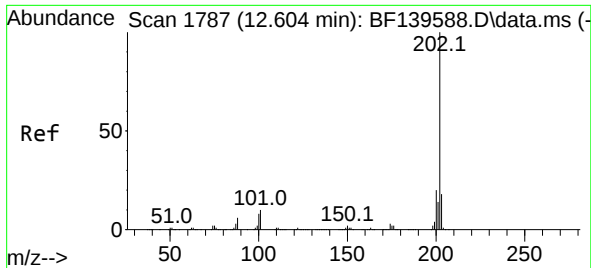
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 3.487 ng
RT: 11.457 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

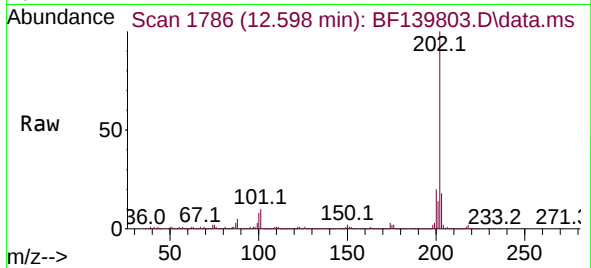
Tgt Ion:178 Resp: 39946
Ion Ratio Lower Upper
178 100
176 19.7 15.1 22.7
179 15.8 12.5 18.7





#75
Fluoranthene
Concen: 29.015 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

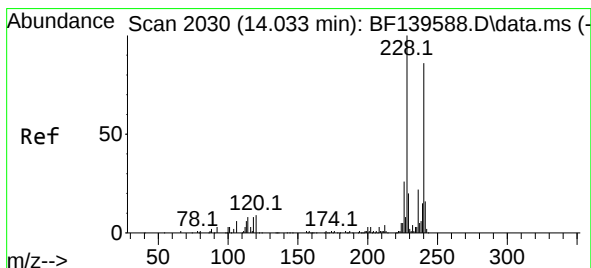
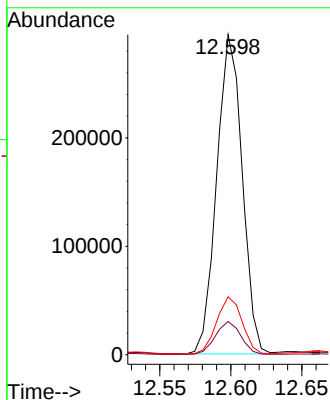
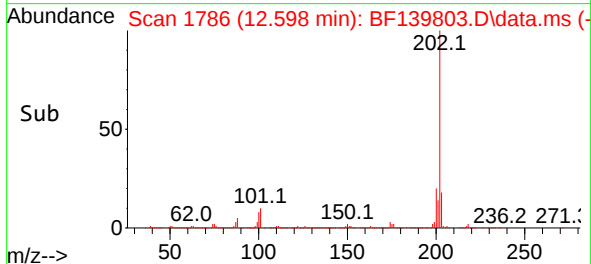
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



Tgt Ion:202 Resp: 367228
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 18.1 0.0 37.7

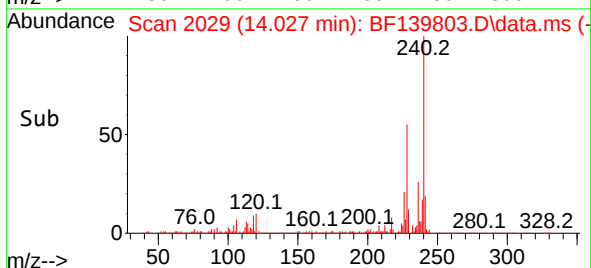
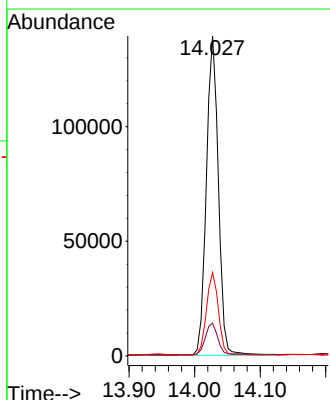
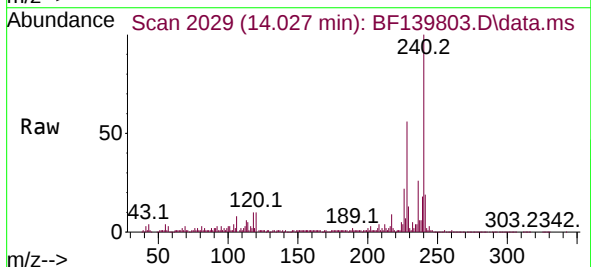
Manual Integrations
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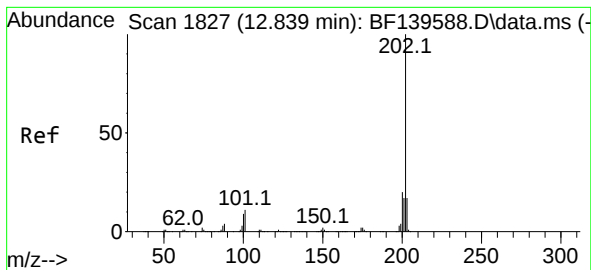
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion:240 Resp: 177763
Ion Ratio Lower Upper
240 100
120 10.2 8.4 12.6
236 26.1 20.3 30.5





#78

Pyrene

Concen: 23.404 ng

RT: 12.827 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

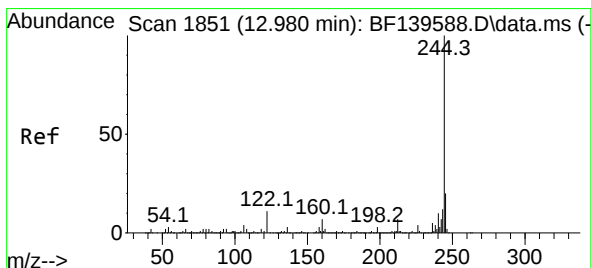
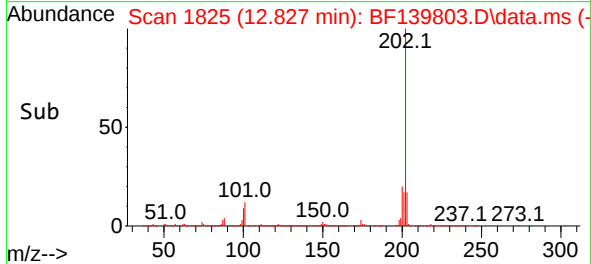
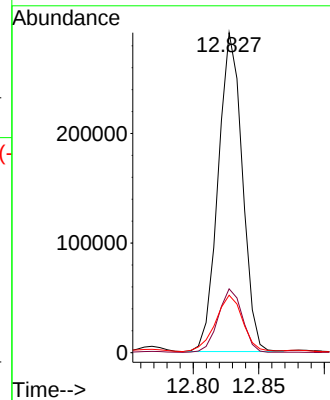
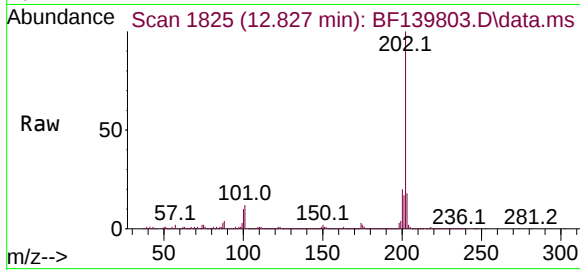
Tgt Ion:202 Resp: 37210
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.8 23.6
 203 18.0 13.8 20.8

Manual Integrations

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/15/2024



#79

Terphenyl-d14

Concen: 41.236 ng

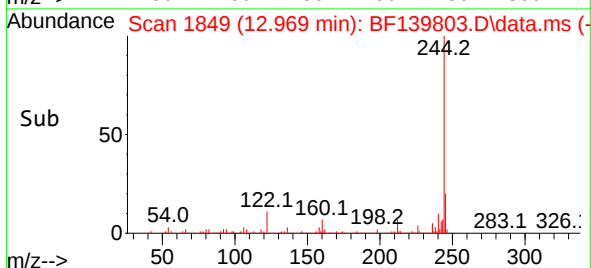
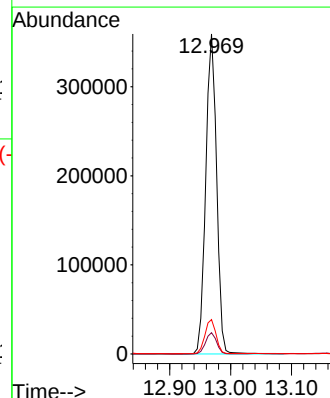
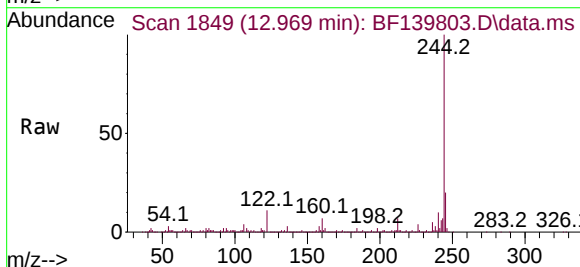
RT: 12.969 min Scan# 1849

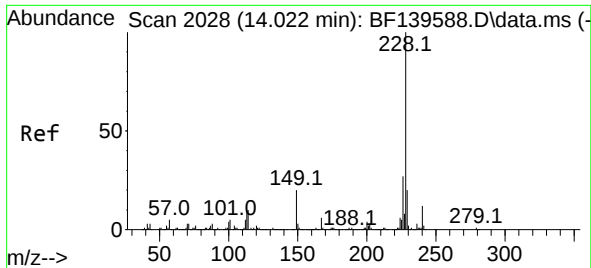
Delta R.T. -0.011 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

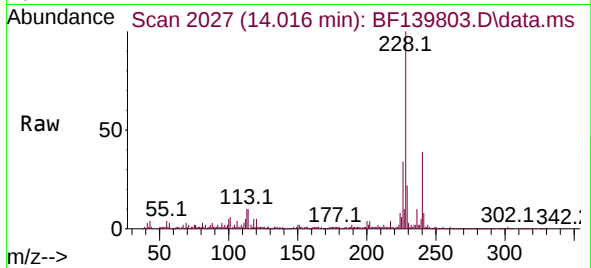
Tgt Ion:244 Resp: 446742
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 10.7 8.6 12.8





#81
Benzo(a)anthracene
Concen: 17.441 ng m
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

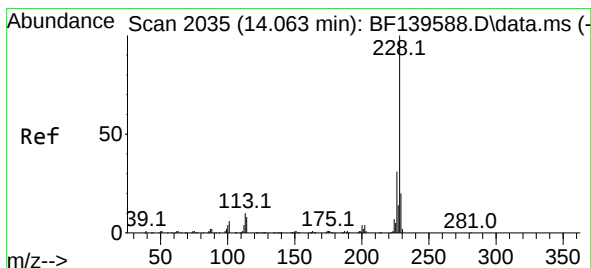
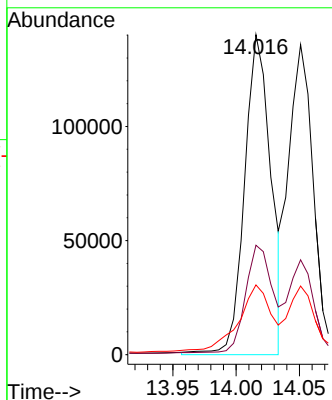
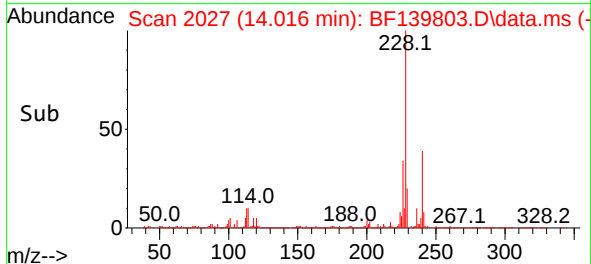
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



Tgt Ion:228 Resp: 203830
Ion Ratio Lower Upper
228 100
226 34.2 21.8 32.8
229 21.8 15.8 23.8

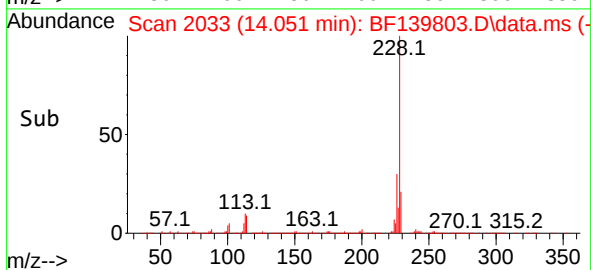
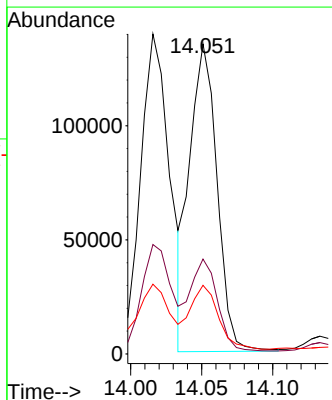
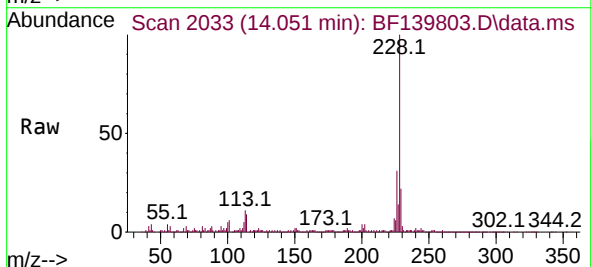
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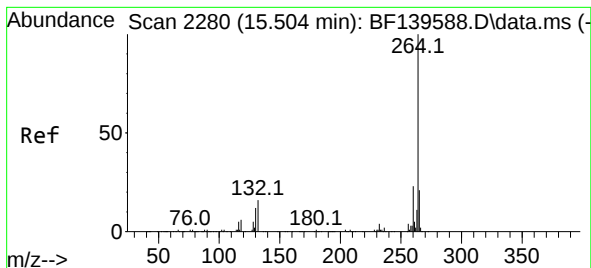
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 16.879 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Tgt Ion:228 Resp: 180351
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667

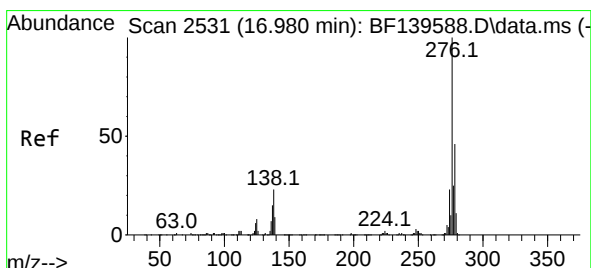
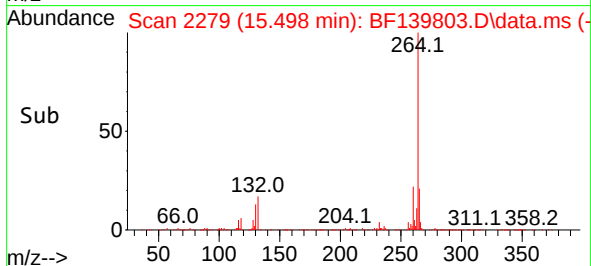
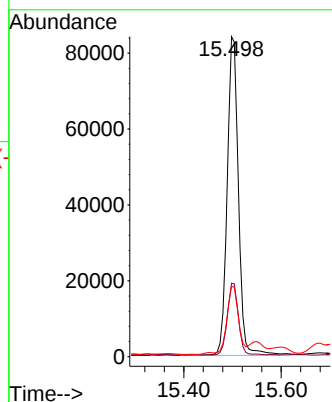
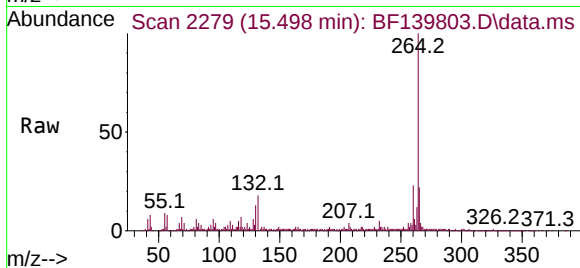
Tgt Ion:264 Resp: 135400
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 22.1 16.9 25.3

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Reviewed By :Yogesh Patel 10/15/2024

Supervised By :mohammad ahmed 10/15/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.666 ng

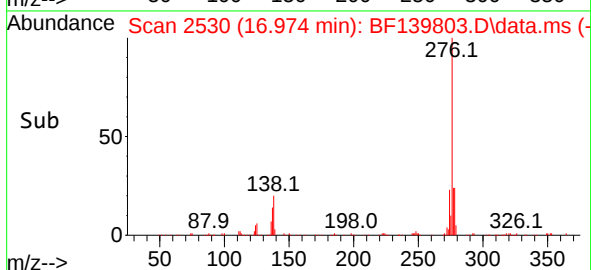
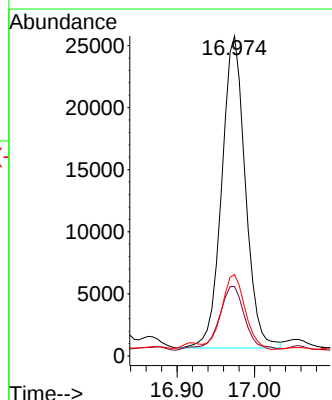
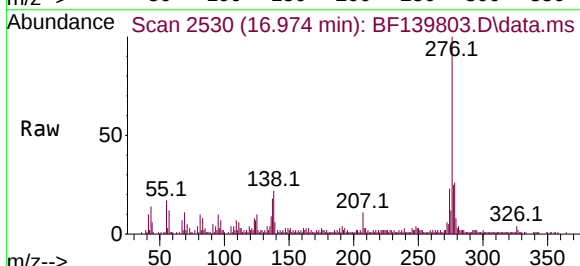
RT: 16.974 min Scan# 2530

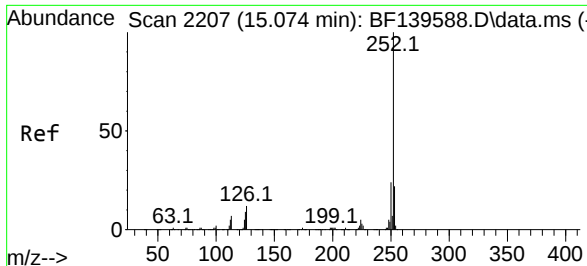
Delta R.T. -0.006 min

Lab File: BF139803.D

Acq: 14 Oct 2024 22:17

Tgt Ion:276 Resp: 53127
 Ion Ratio Lower Upper
 276 100
 138 22.7 19.4 29.0
 277 24.2 20.2 30.2





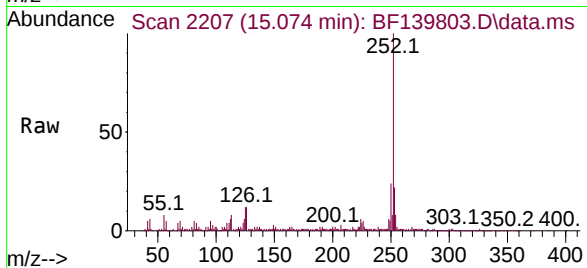
#88
Benzo(b)fluoranthene
Concen: 19.838 ng m
RT: 15.074 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

Instrument :

BNA_F

ClientSampleId :

SB-03-4.167-4.667



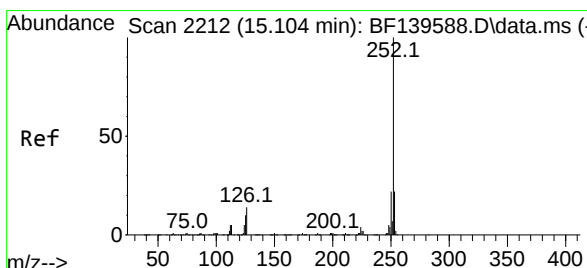
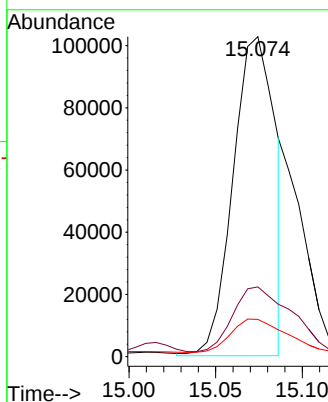
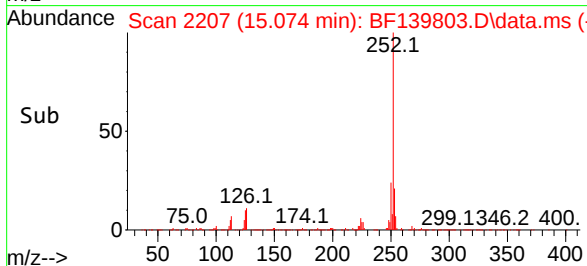
Tgt Ion:252 Resp: 173679
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 11.7 7.4 11.0

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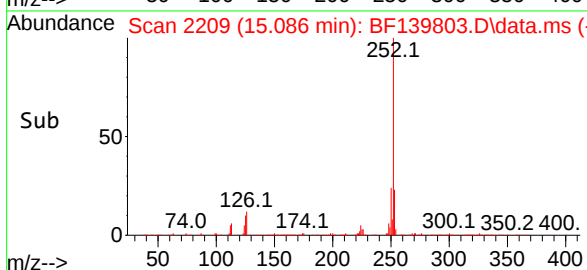
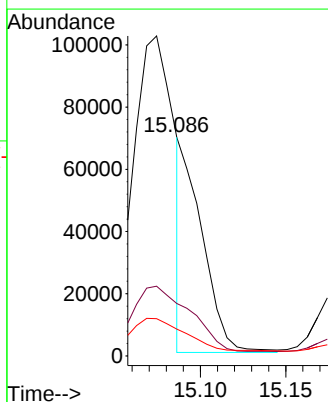
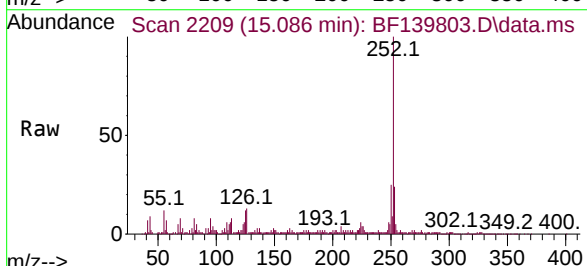
Reviewed By :Yogesh Patel 10/15/2024

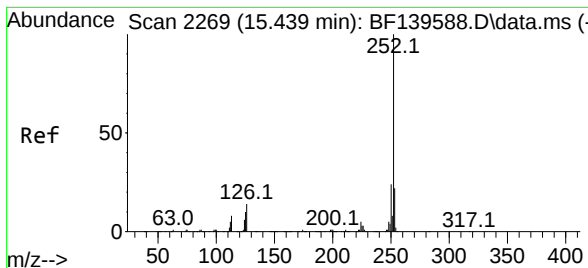
Supervised By :mohammad ahmed 10/15/2024



#89
Benzo(k)fluoranthene
Concen: 7.695 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.018 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

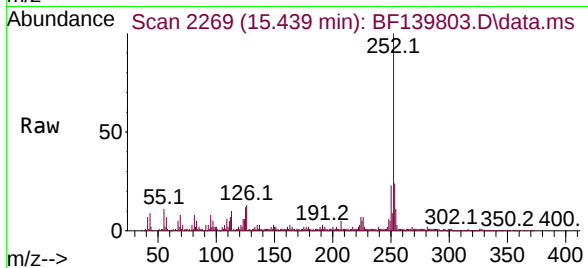
Tgt Ion:252 Resp: 57149
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 12.3 7.6 11.4





#90
Benzo(a)pyrene
Concen: 15.185 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17

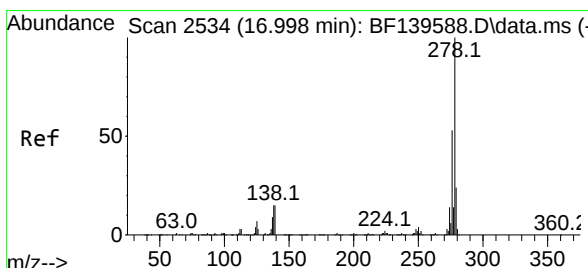
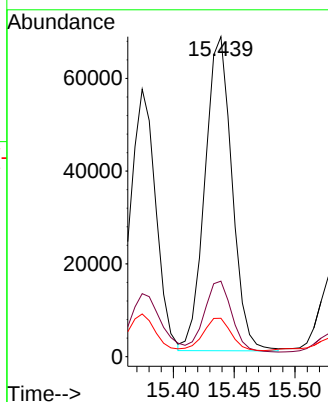
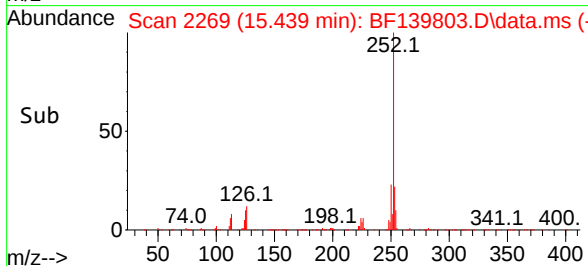
Instrument :
BNA_F
ClientSampleId :
SB-03-4.167-4.667



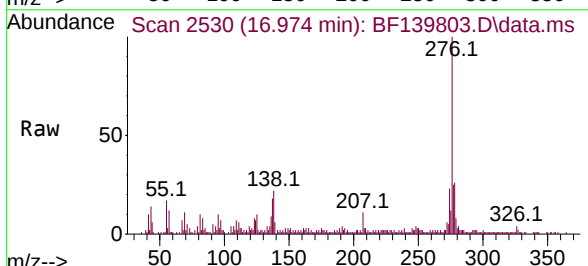
Tgt Ion:252 Resp: 10482
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 12.0 8.3 12.5

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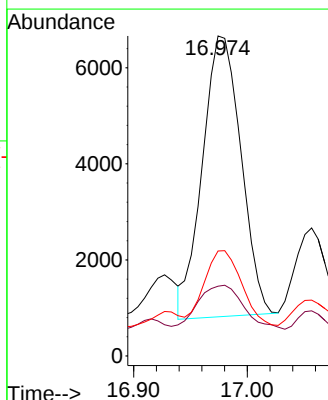
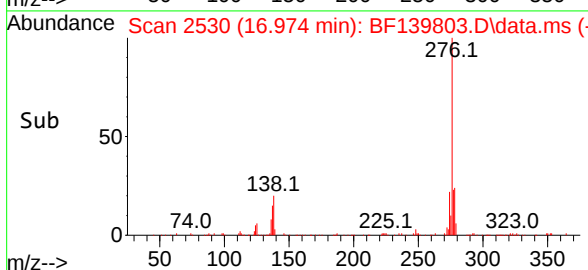
Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/15/2024

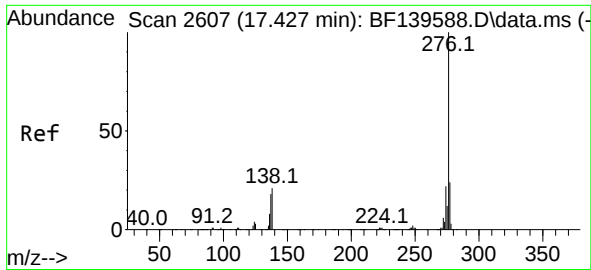


#91
Dibenzo(a,h)anthracene
Concen: 2.085 ng
RT: 16.974 min Scan# 2530
Delta R.T. -0.024 min
Lab File: BF139803.D
Acq: 14 Oct 2024 22:17



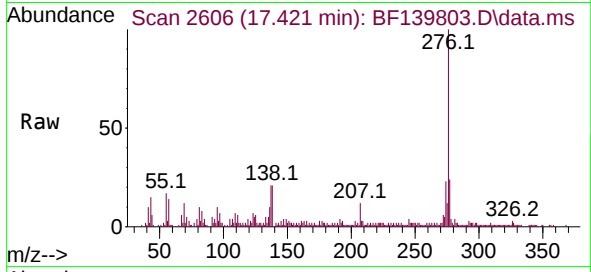
Tgt Ion:278 Resp: 13783
Ion Ratio Lower Upper
278 100
139 21.8 12.2 18.4#
279 32.8 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.262 ng
 RT: 17.421 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139803.D
 Acq: 14 Oct 2024 22:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-4.167-4.667



Tgt Ion: 276 Resp: 5477

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	21.2	17.0	25.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/15/2024

