

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139769.D
 Acq On : 11 Oct 2024 12:25
 Operator : RC/JU
 Sample : P4364-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0.167-0.667

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 11 13:02:02 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	6.869	152	75937	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	257531	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	113003	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	186447	20.000	ng	0.00
76) Chrysene-d12	14.033	240	172632	20.000	ng	0.00
86) Perylene-d12	15.504	264	134655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	442150	100.920	ng	0.00
7) Phenol-d6	6.498	99	539938	91.643	ng	0.00
23) Nitrobenzene-d5	7.428	82	344487	67.726	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	91044	83.461	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	565870	76.875	ng	0.00
79) Terphenyl-d14	12.974	244	548787	52.161	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	39531	4.497	ng	98
75) Fluoranthene	12.604	202	117417	12.218	ng	99
78) Pyrene	12.833	202	121693	7.882	ng	99
81) Benzo(a)anthracene	14.021	228	93498	8.238	ng	94
83) Chrysene	14.057	228	75244	7.251	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	34966	4.412	ng	98
88) Benzo(b)fluoranthene	15.074	252	109918m	12.625	ng	
89) Benzo(k)fluoranthene	15.092	252	30193m	4.088	ng	
90) Benzo(a)pyrene	15.439	252	64779	9.436	ng	# 94
92) Benzo(g,h,i)perylene	17.421	276	35390	5.368	ng	98

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

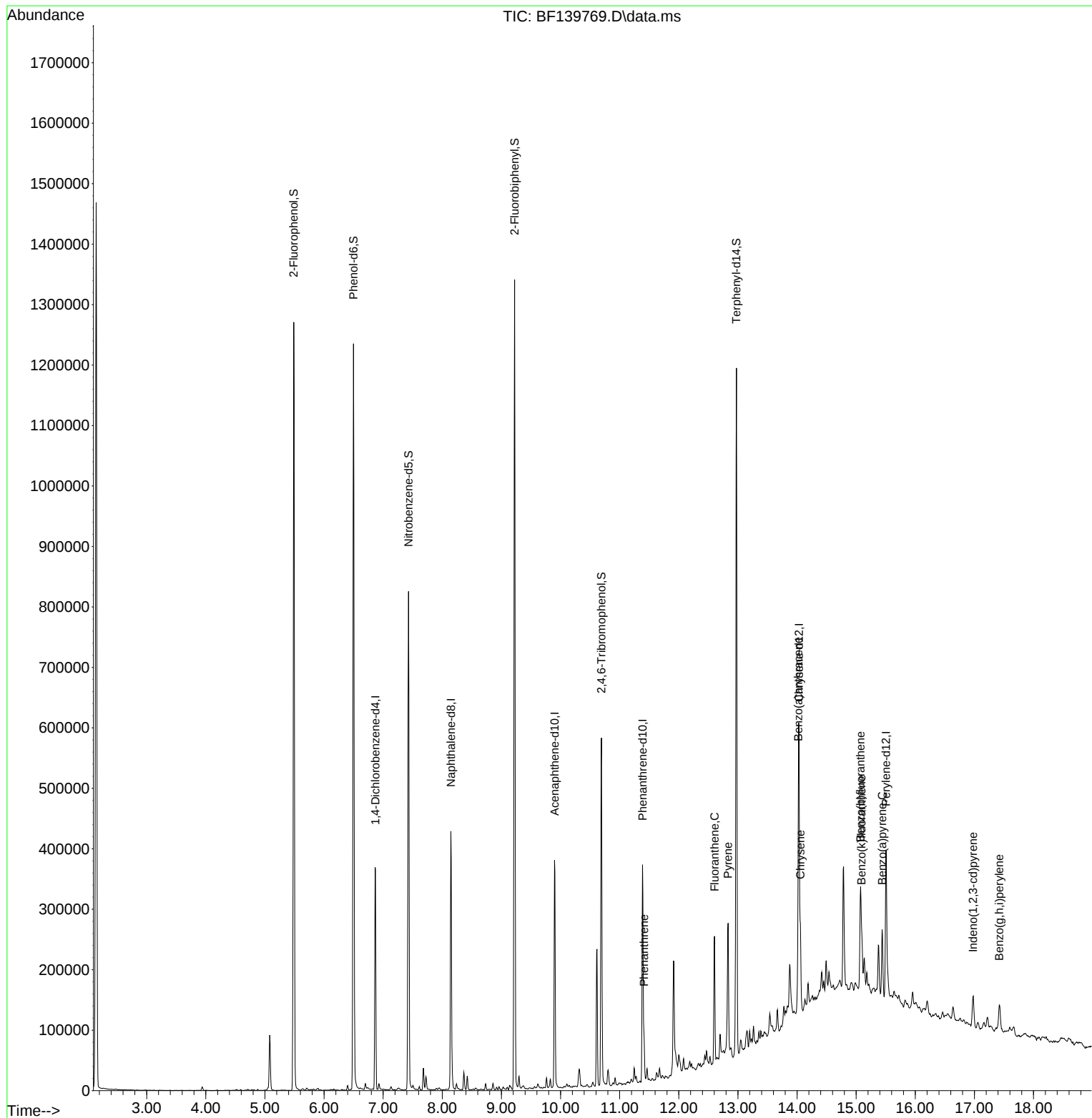
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
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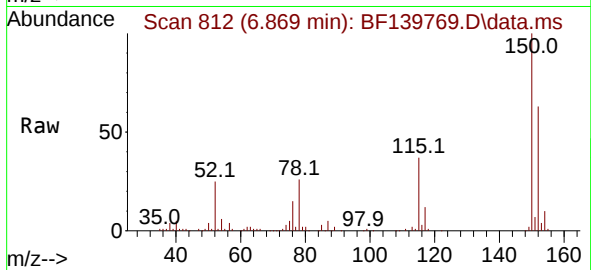
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

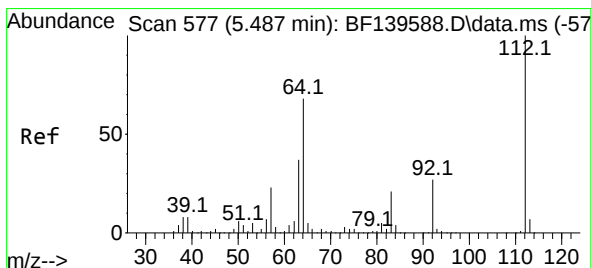
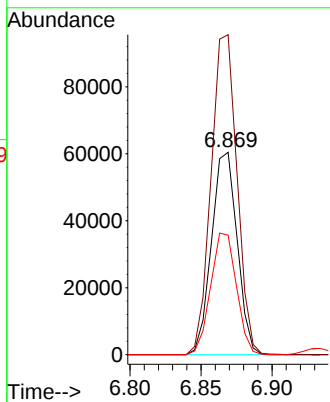
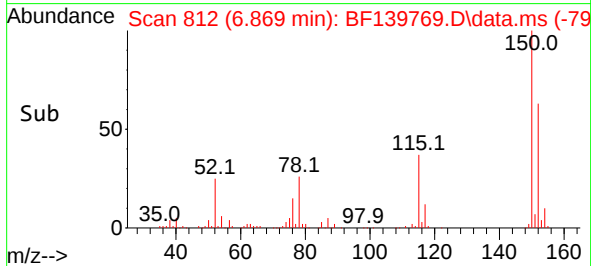
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667



Tgt Ion:152 Resp: 7593
Ion Ratio Lower Upper
152 100
150 158.1 127.2 190.8
115 59.1 49.0 73.4

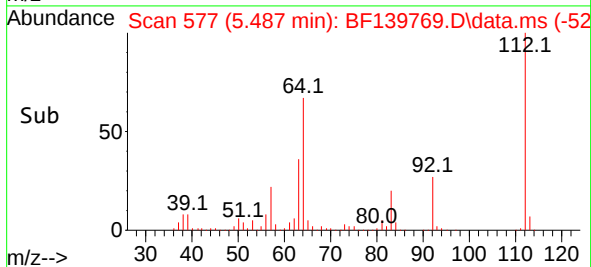
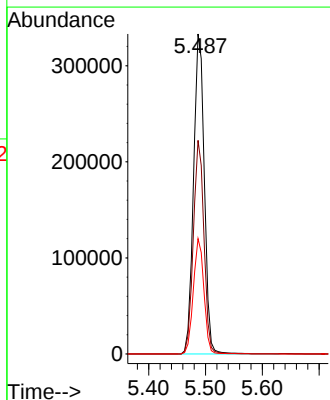
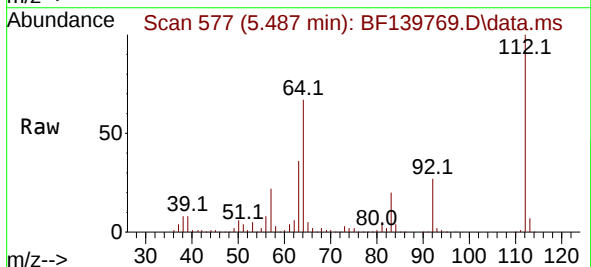
Manual Integrations
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#5
2-Fluorophenol
Concen: 100.920 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

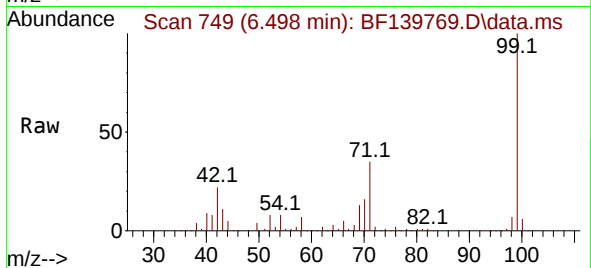
Tgt Ion:112 Resp: 442150
Ion Ratio Lower Upper
112 100
64 66.8 54.2 81.4
63 36.0 29.4 44.2





#7
Phenol-d6
Concen: 91.643 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

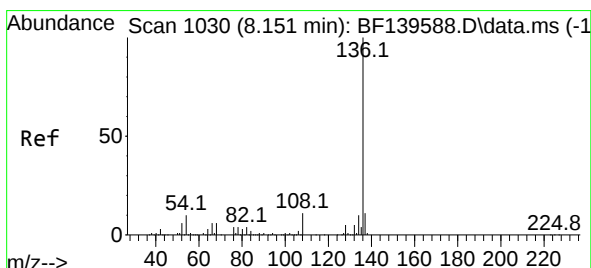
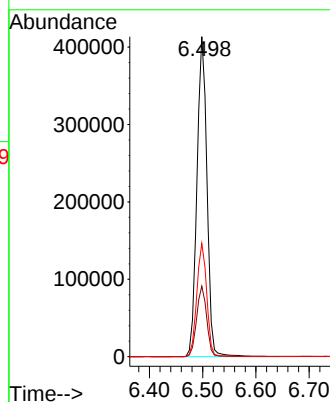
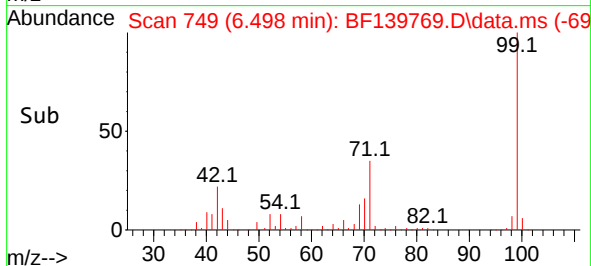
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667



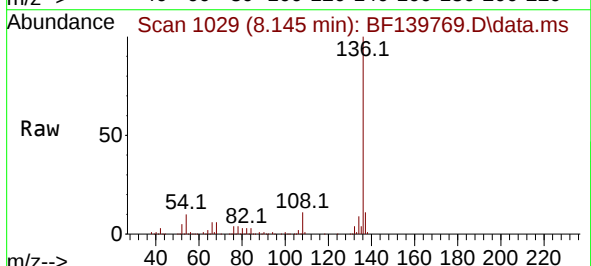
Tgt Ion: 99 Resp: 539938
Ion Ratio Lower Upper
99 100
42 22.0 19.1 28.7
71 35.4 29.7 44.5

Manual Integrations
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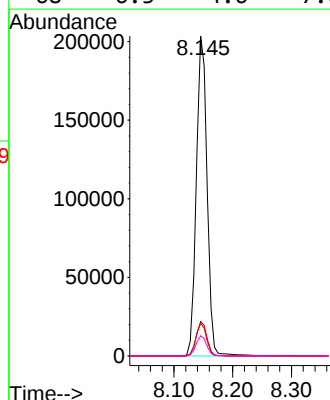
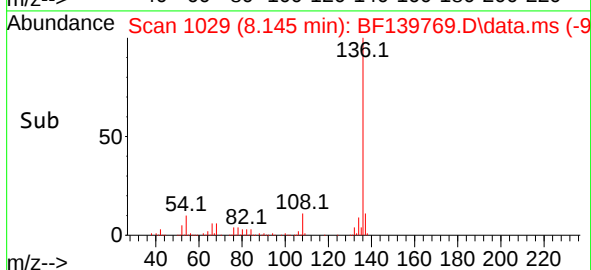
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25



Tgt Ion:136 Resp: 257531
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.2 8.3 12.5
68 6.3 4.6 7.0





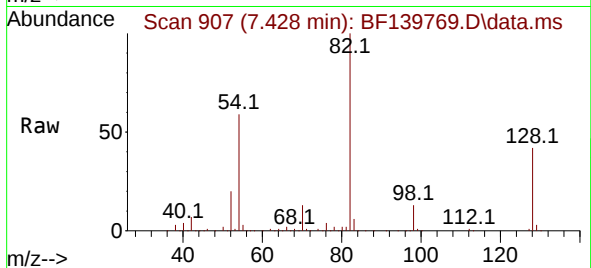
#23
Nitrobenzene-d5
Concen: 67.726 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

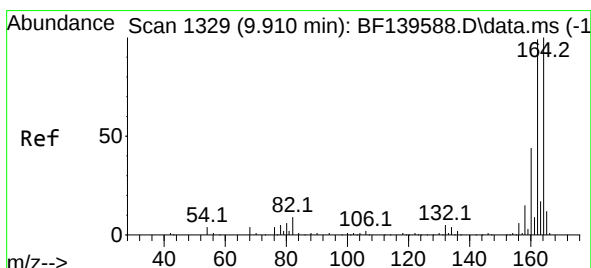
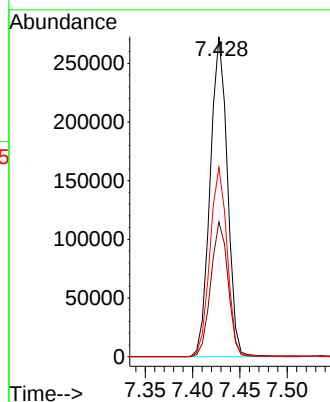
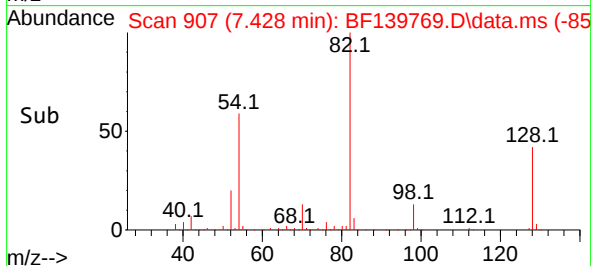


Tgt Ion: 82 Resp: 34448
Ion Ratio Lower Upper
82 100
128 42.1 32.4 48.6
54 59.1 49.1 73.7

Manual Integrations

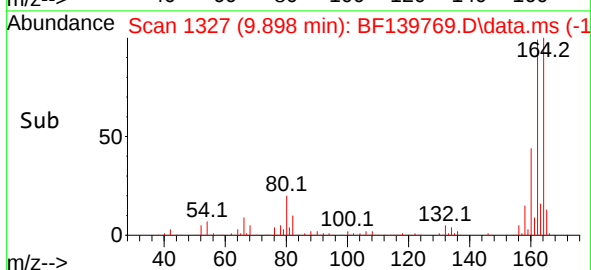
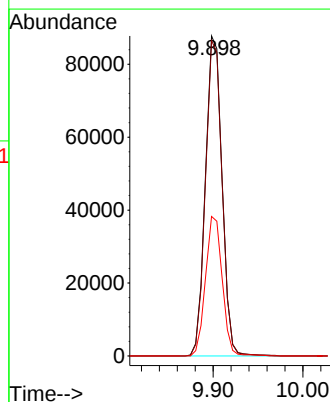
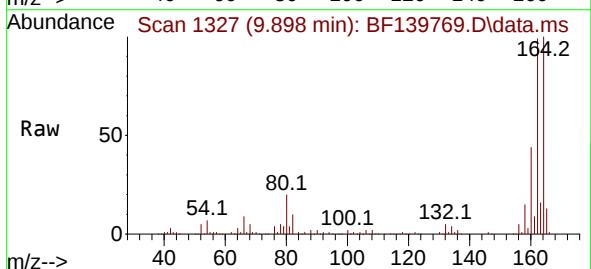
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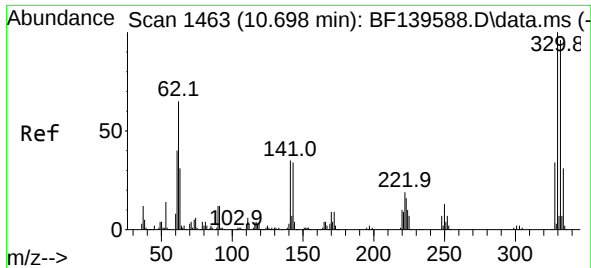
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

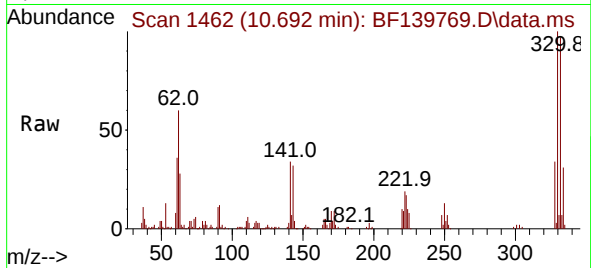
Tgt Ion:164 Resp: 113003
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 43.6 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 83.461 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

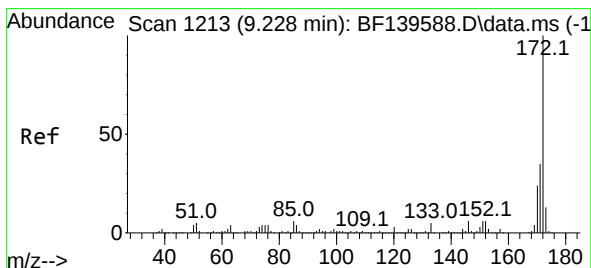
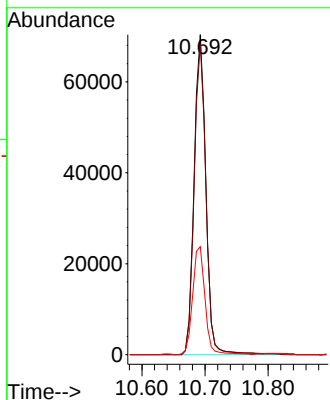
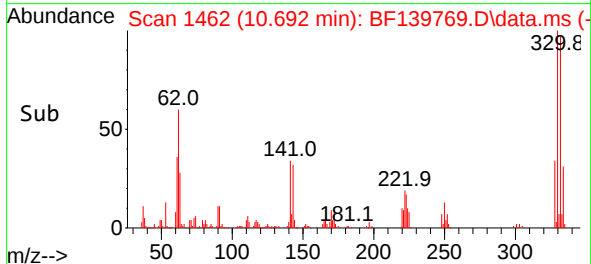
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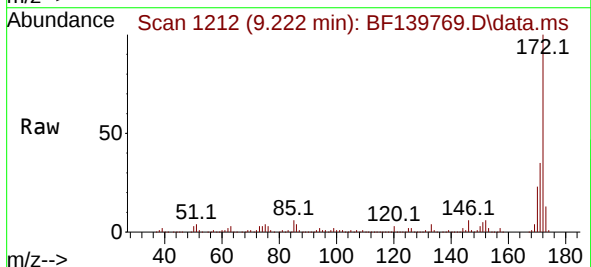
Tgt Ion: 330 Resp: 91044
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 35.5 29.3 43.9

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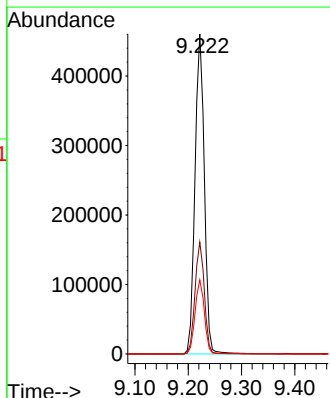
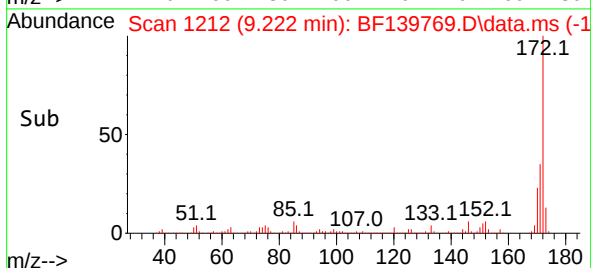
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#45
2-Fluorobiphenyl
Concen: 76.875 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25



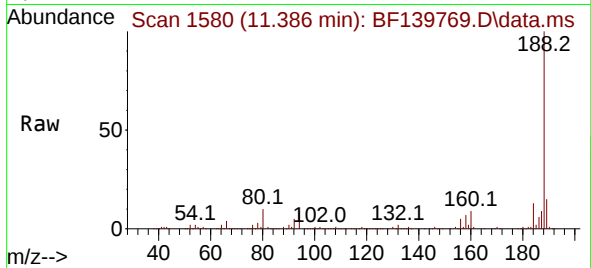
Tgt Ion: 172 Resp: 565870
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

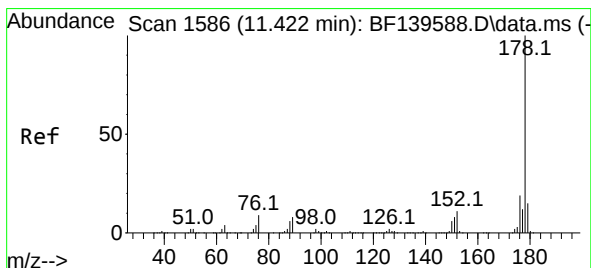
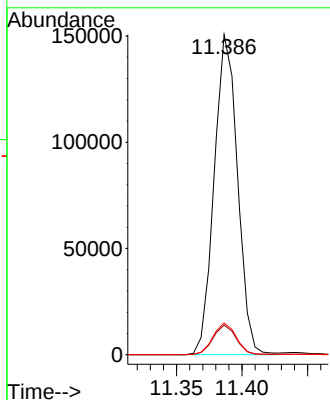
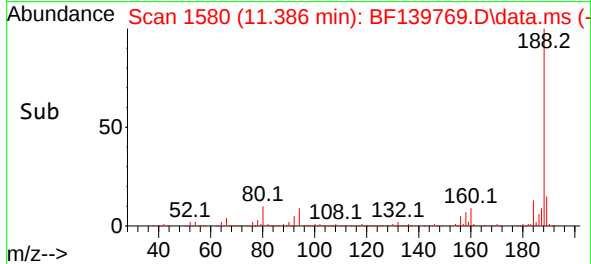
Instrument :
BNA_F
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SB-08-0.167-0.667



Tgt Ion:188 Resp: 18644
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 9.9 8.2 12.2

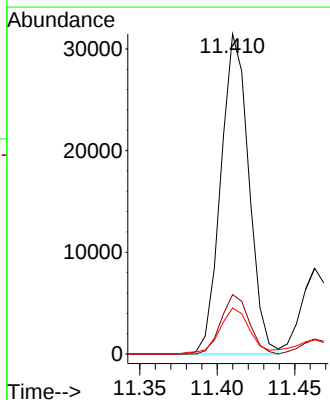
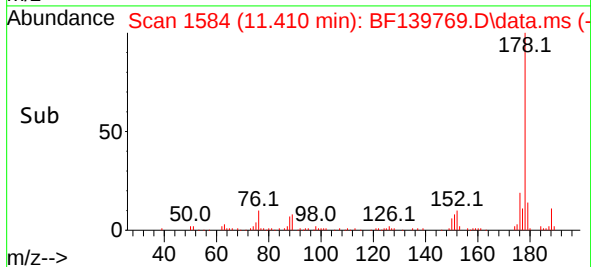
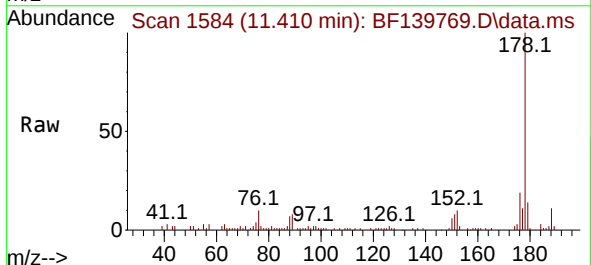
Manual Integrations
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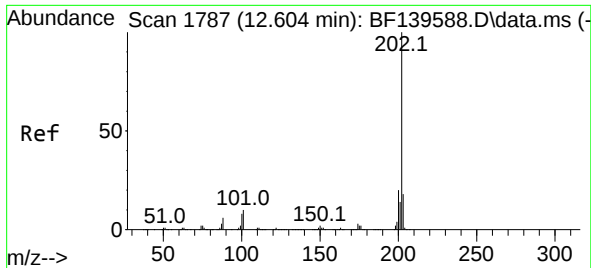
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#71
Phenanthrene
Concen: 4.497 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

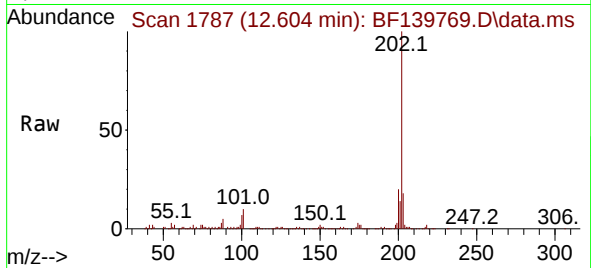
Tgt Ion:178 Resp: 39531
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 14.4 12.3 18.5





#75
Fluoranthene
Concen: 12.218 ng
RT: 12.604 min Scan# 11741
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

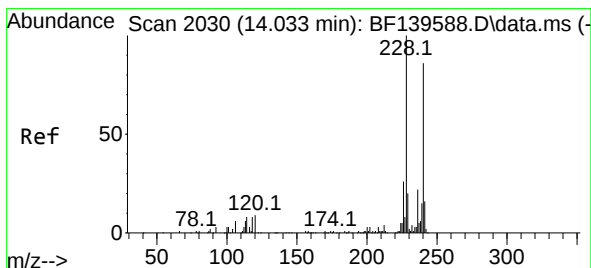
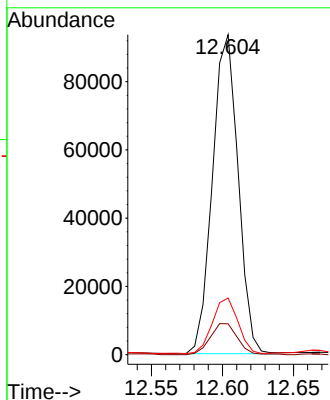
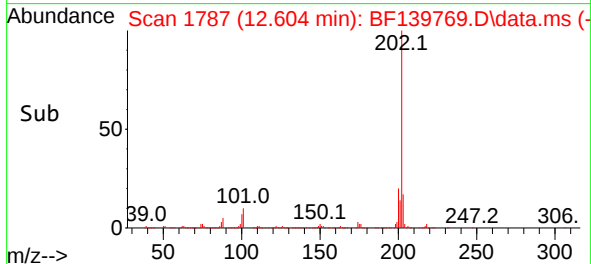
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Tgt Ion:202 Resp: 11741
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.7 0.0 37.7

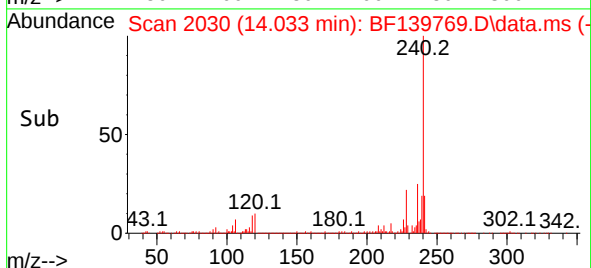
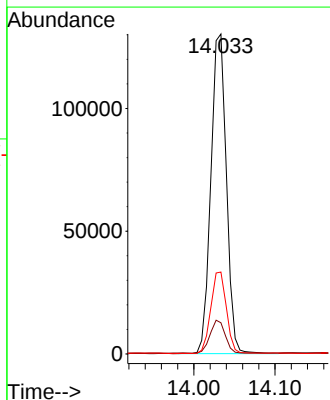
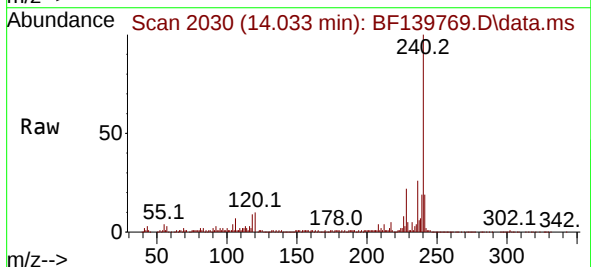
Manual Integrations
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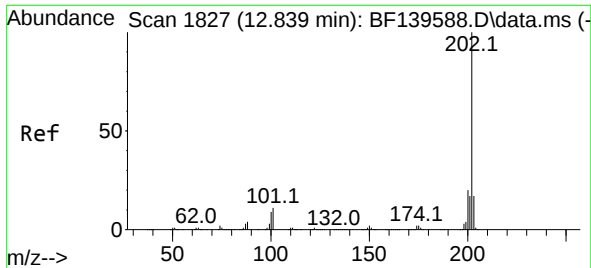
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:240 Resp: 172632
Ion Ratio Lower Upper
240 100
120 9.7 8.4 12.6
236 25.6 20.3 30.5





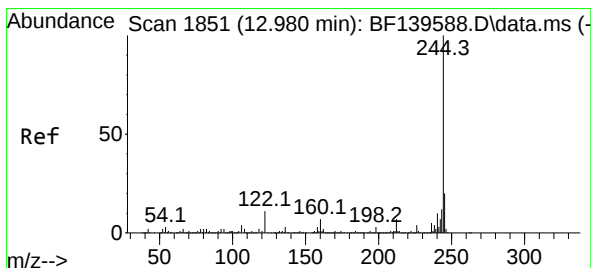
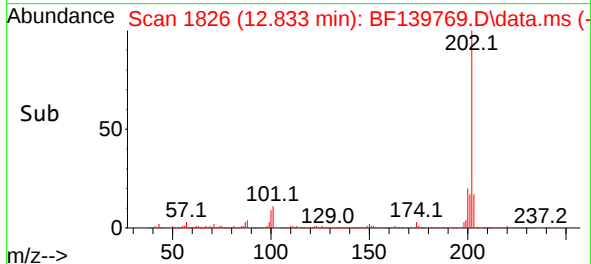
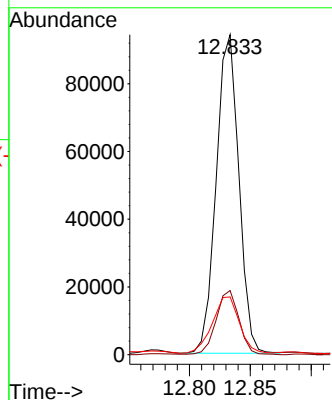
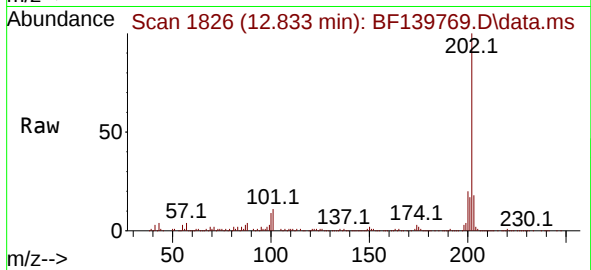
#78
Pyrene
Concen: 7.882 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667

Tgt Ion:202 Resp: 12169
Ion Ratio Lower Upper
202 100
200 20.0 15.8 23.6
203 18.0 13.8 20.8

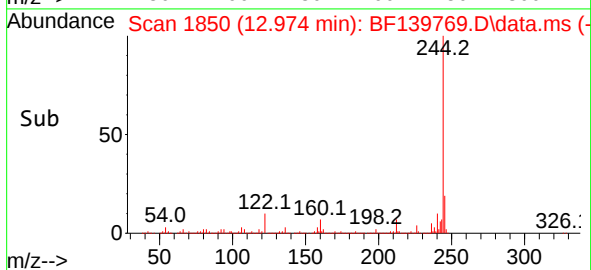
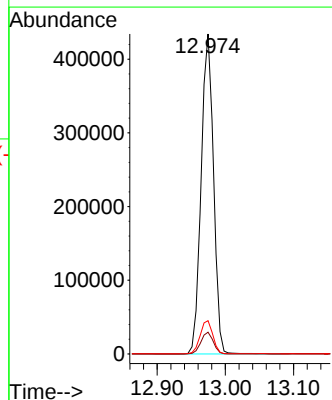
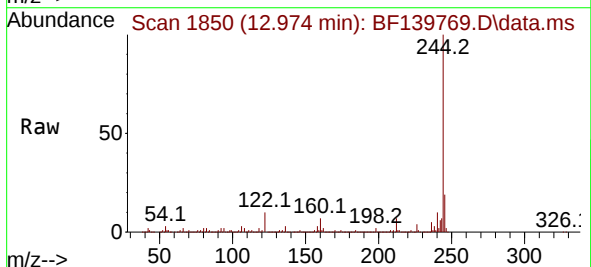
Manual Integrations
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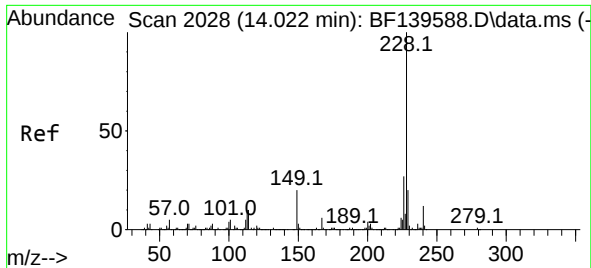
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#79
Terphenyl-d14
Concen: 52.161 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

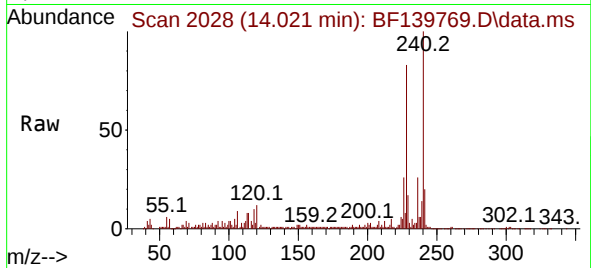
Tgt Ion:244 Resp: 548787
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 10.4 8.6 12.8





#81
Benzo(a)anthracene
Concen: 8.238 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

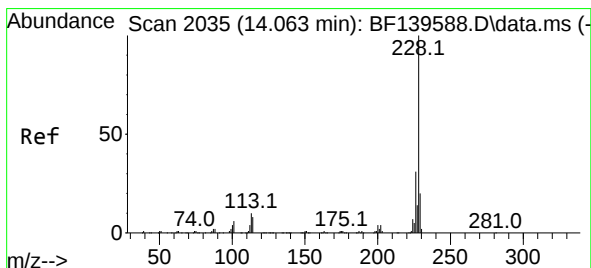
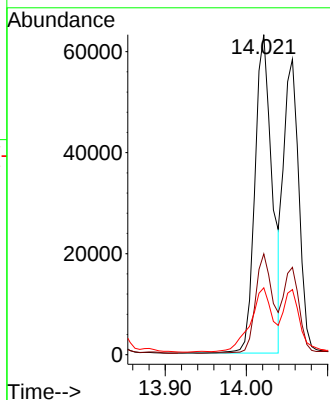
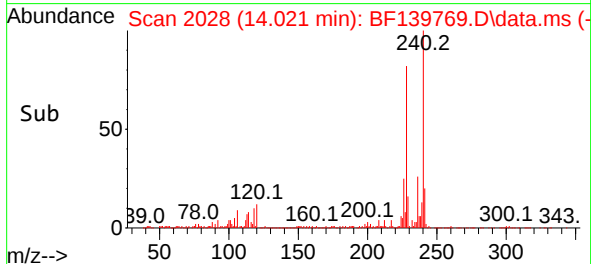
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667



Tgt Ion:228 Resp: 93498
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.8
229 20.9 15.8 23.8

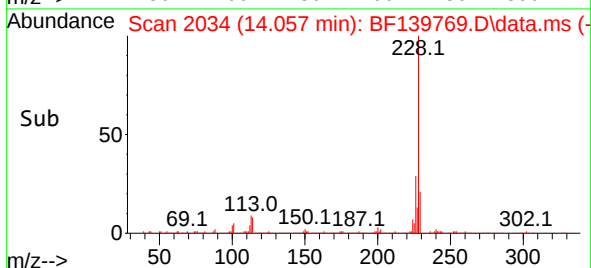
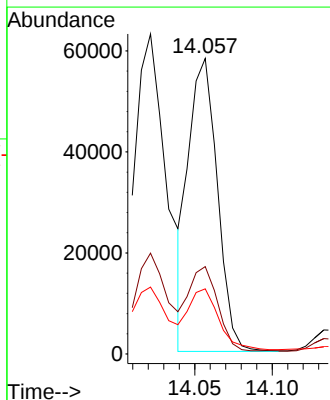
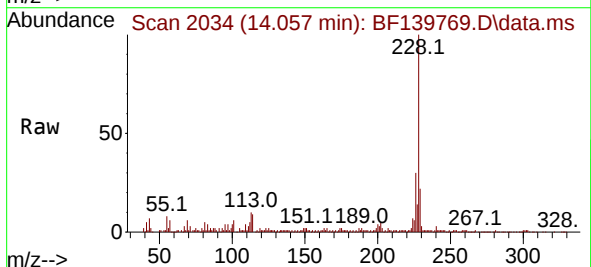
Manual Integrations
APPROVED

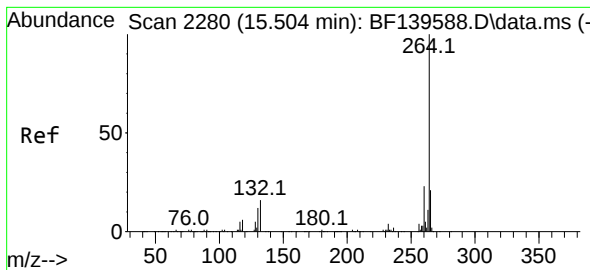
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 7.251 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

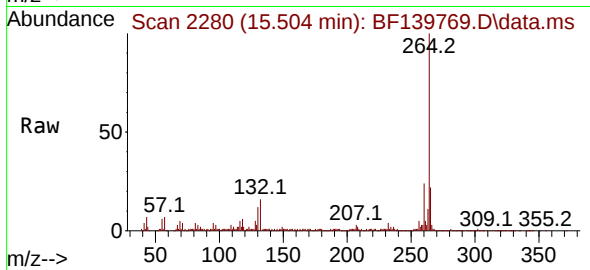
Tgt Ion:228 Resp: 75244
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 22.1 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

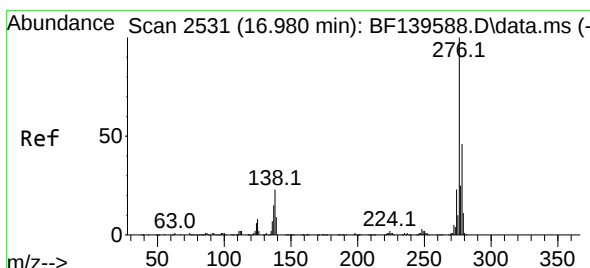
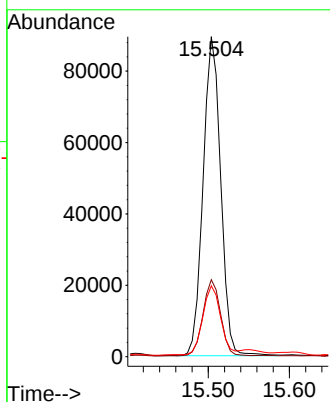
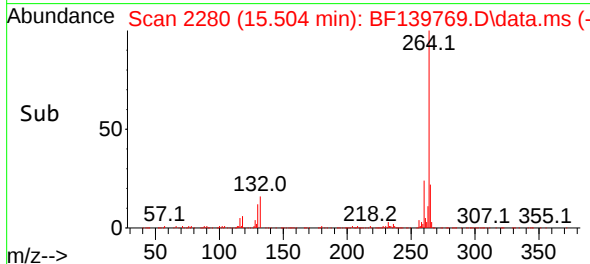
Instrument :
BNA_F
ClientSampleId :
SB-08-0.167-0.667



Tgt Ion:264 Resp: 13465
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.2 16.9 25.3

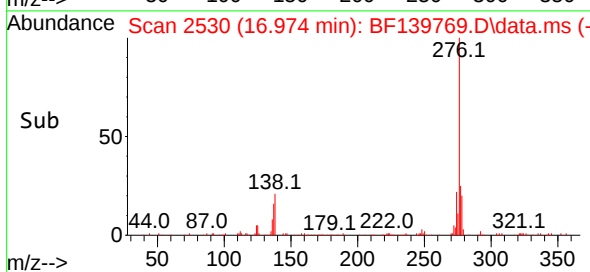
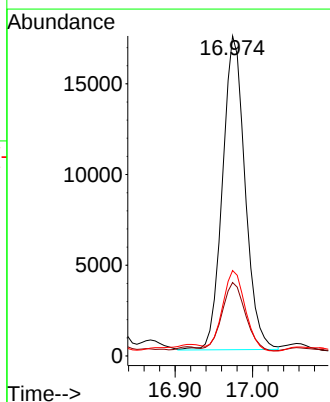
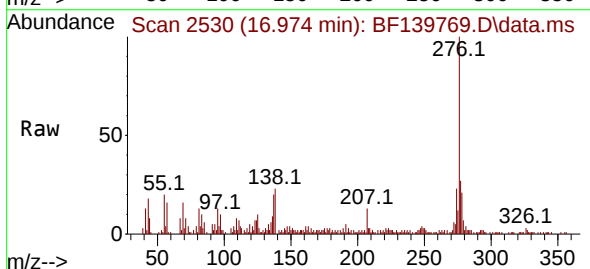
Manual Integrations
APPROVED

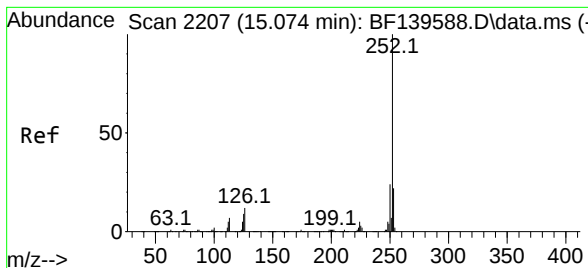
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.412 ng
RT: 16.974 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BF139769.D
Acq: 11 Oct 2024 12:25

Tgt Ion:276 Resp: 34966
Ion Ratio Lower Upper
276 100
138 22.8 19.4 29.0
277 25.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 12.625 ng m

RT: 15.074 min Scan# 210

Delta R.T. -0.000 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

SB-08-0.167-0.667

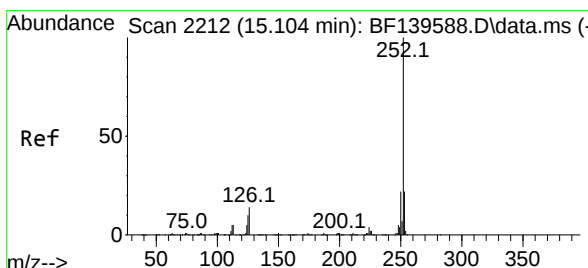
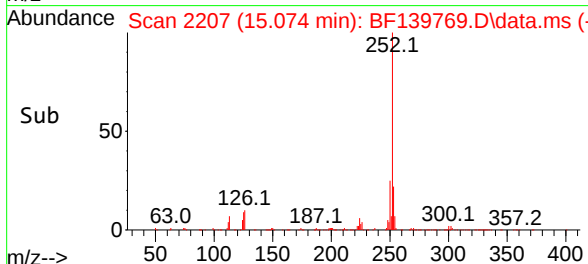
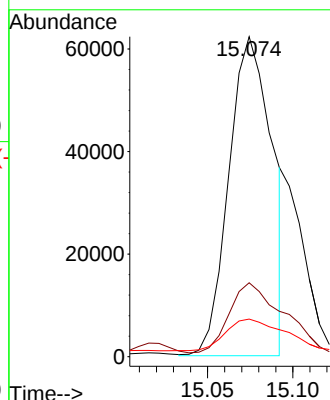
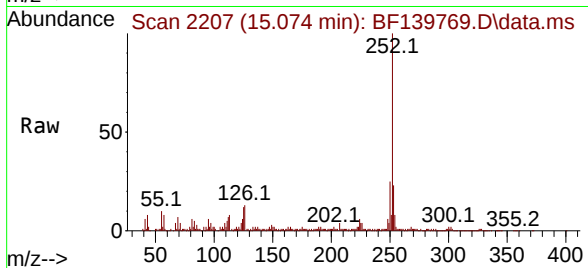
Tgt Ion:252 Resp: 109918

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	11.8	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#89

Benzo(k)fluoranthene

Concen: 4.088 ng m

RT: 15.092 min Scan# 2210

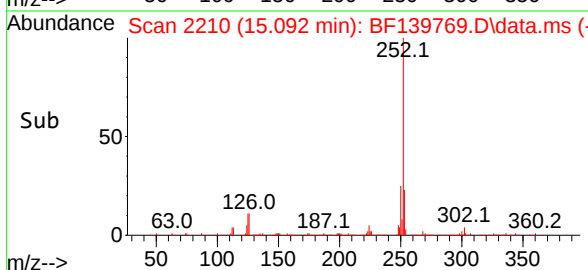
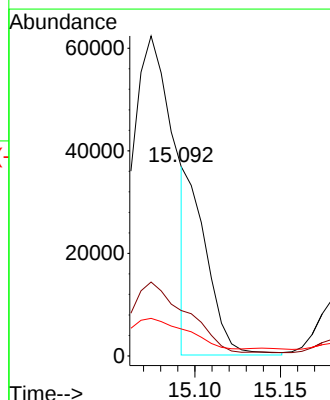
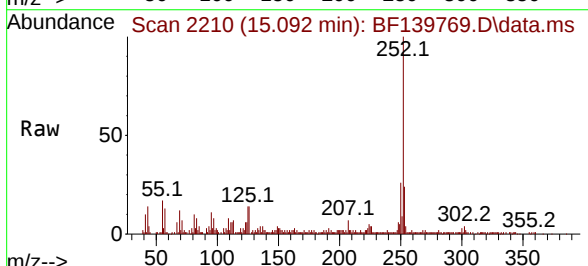
Delta R.T. -0.012 min

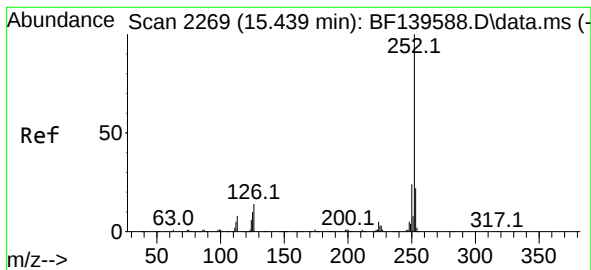
Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Tgt Ion:252 Resp: 30193

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	14.3	7.6	11.4





#90

Benzo(a)pyrene

Concen: 9.436 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Instrument :

BNA_F

ClientSampleId :

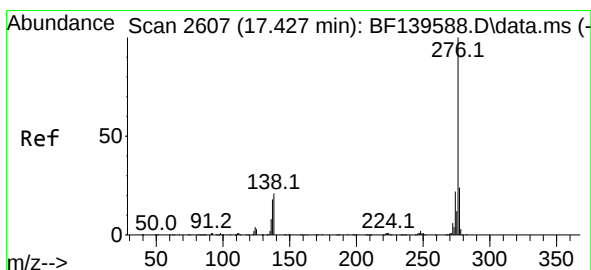
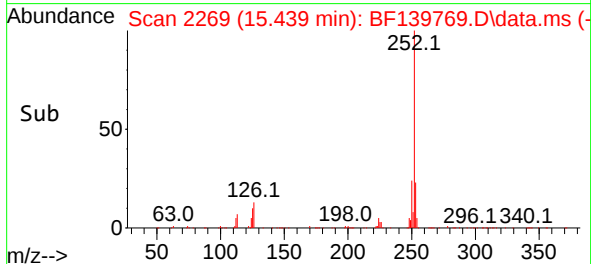
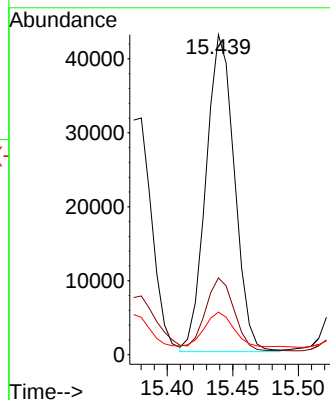
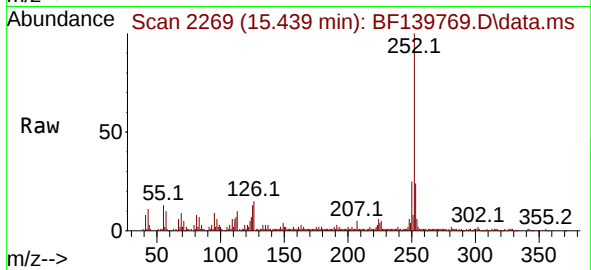
SB-08-0.167-0.667

Tgt Ion:	252	Resp:	64779
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.3	25.9
125	13.3	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#92

Benzo(g,h,i)perylene

Concen: 5.368 ng

RT: 17.421 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF139769.D

Acq: 11 Oct 2024 12:25

Tgt Ion:	276	Resp:	35390
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.6
138	22.9	17.0	25.6

