

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139768.D
 Acq On : 11 Oct 2024 11:56
 Operator : RC/JU
 Sample : P4376-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-100924

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 12:48:44 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	71490	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	234684	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	100888	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	164108	20.000	ng	0.00
76) Chrysene-d12	14.027	240	161162	20.000	ng	0.00
86) Perylene-d12	15.504	264	128646	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	216833	52.570	ng	0.00
7) Phenol-d6	6.492	99	263967	47.590	ng	-0.01
23) Nitrobenzene-d5	7.428	82	164462	35.481	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	39050	40.096	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	251042	38.200	ng	0.00
79) Terphenyl-d14	12.974	244	252056	25.662	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.445	166	14890	2.273	ng	# 95
71) Phenanthrene	11.410	178	133312	17.229	ng	100
72) Anthracene	11.463	178	38086	4.975	ng	98
75) Fluoranthene	12.604	202	232377	27.472	ng	100
78) Pyrene	12.833	202	238407	16.540	ng	99
81) Benzo(a)anthracene	14.021	228	130923	12.356	ng	94
83) Chrysene	14.057	228	98217	10.139	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	33149	4.378	ng	96
88) Benzo(b)fluoranthene	15.074	252	111203m	13.369	ng	
89) Benzo(k)fluoranthene	15.092	252	32921m	4.666	ng	
90) Benzo(a)pyrene	15.439	252	73370	11.187	ng	# 91
92) Benzo(g,h,i)perylene	17.427	276	32875	5.220	ng	94

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

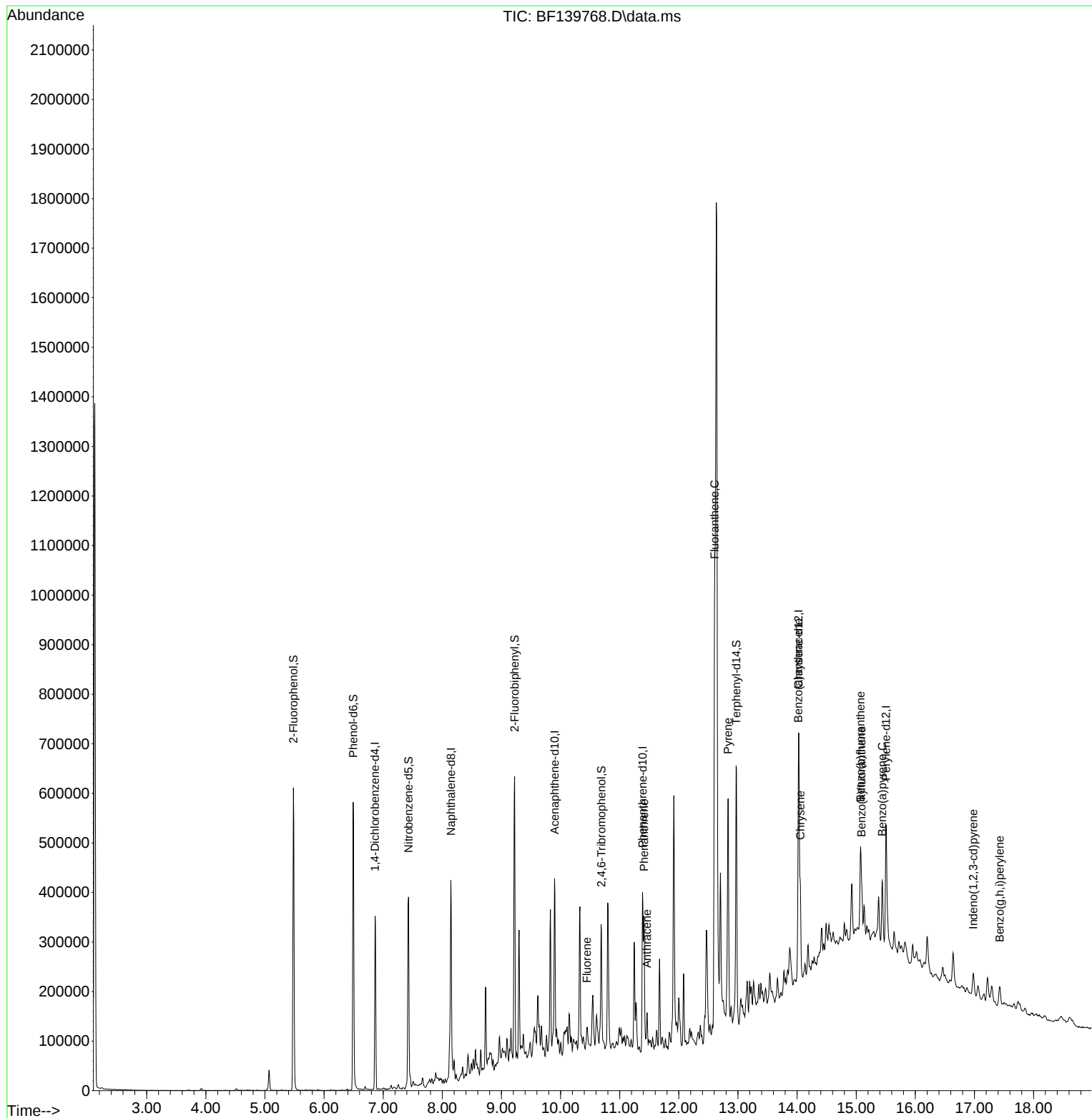
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
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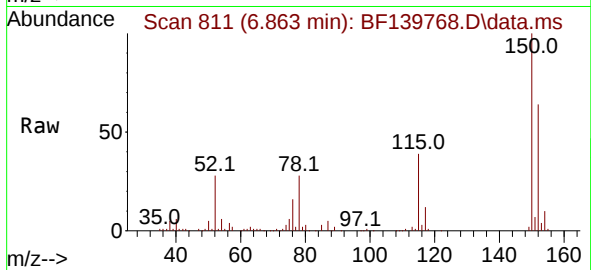
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Instrument :

BNA_F

ClientSampleId :

OR-02-100924

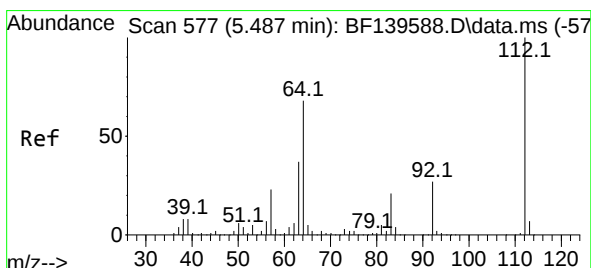
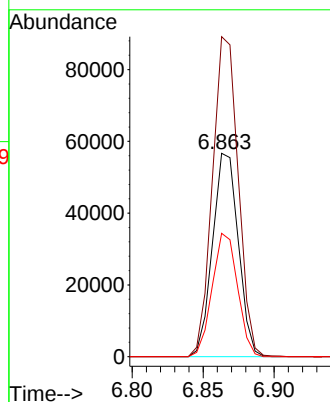
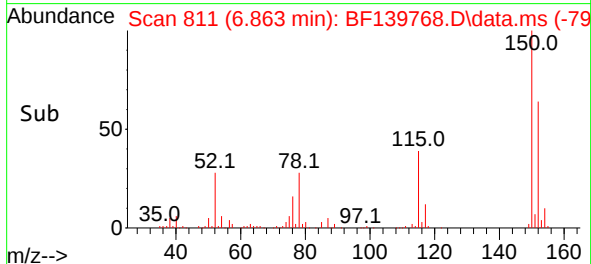


Tgt Ion:152 Resp: 71490
Ion Ratio Lower Upper
152 100
150 157.4 127.2 190.8
115 60.7 49.0 73.4

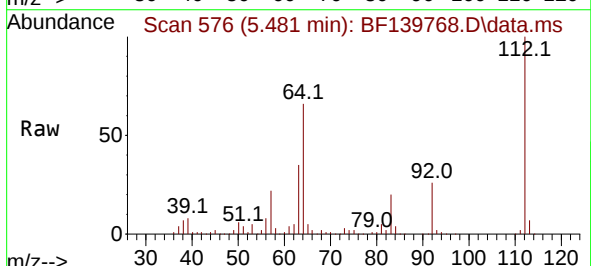
Manual Integrations

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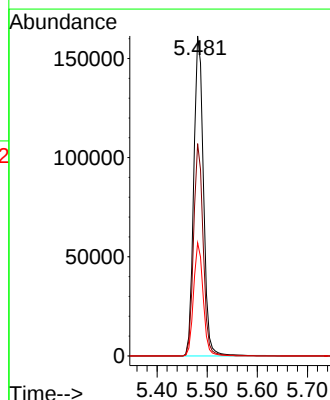
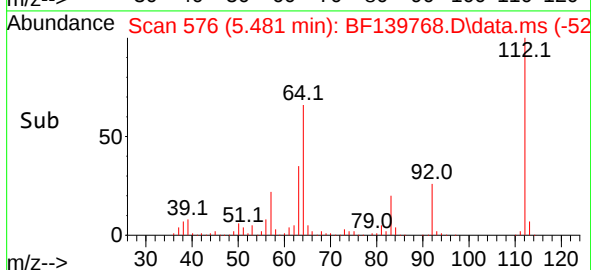
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

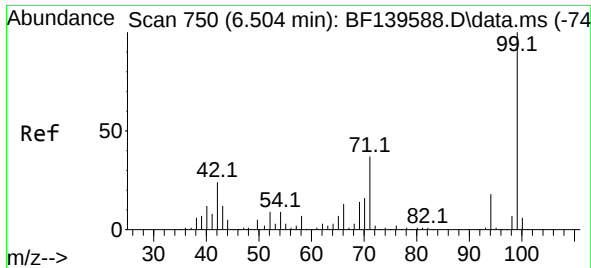


#5
2-Fluorophenol
Concen: 52.570 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56



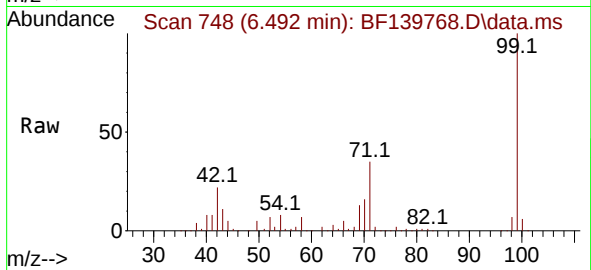
Tgt Ion:112 Resp: 216833
Ion Ratio Lower Upper
112 100
64 66.3 54.2 81.4
63 35.4 29.4 44.2





#7
Phenol-d6
Concen: 47.590 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

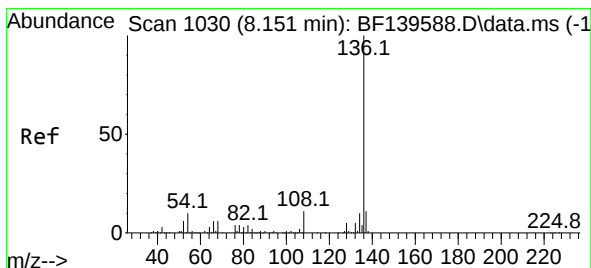
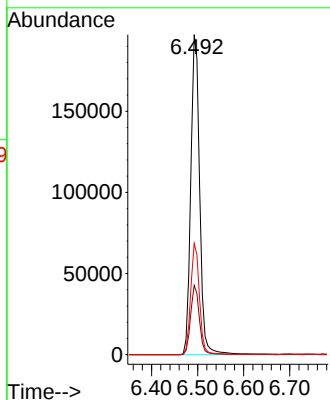
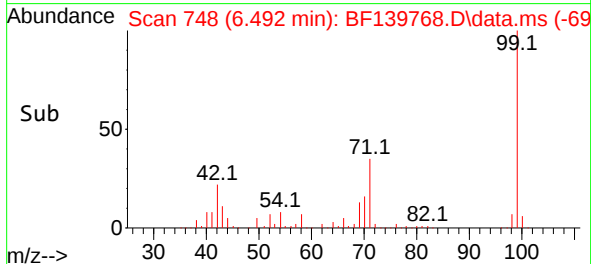
Instrument :
BNA_F
ClientSampleId :
OR-02-100924



Tgt Ion: 99 Resp: 26396
Ion Ratio Lower Upper
99 100
42 21.7 19.1 28.7
71 34.8 29.7 44.5

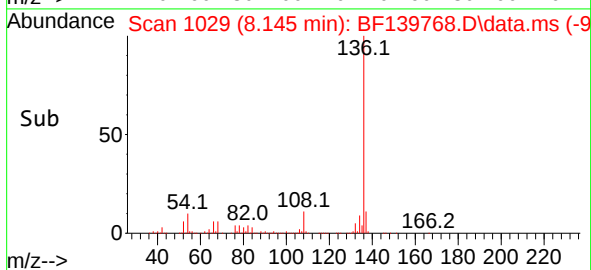
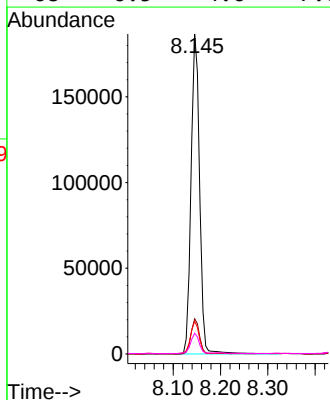
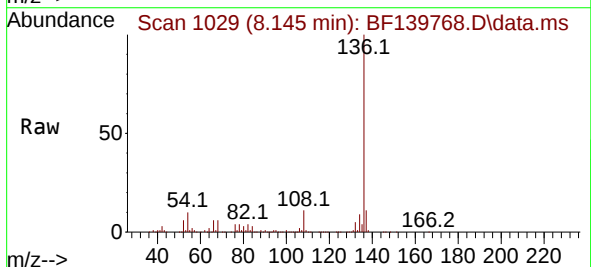
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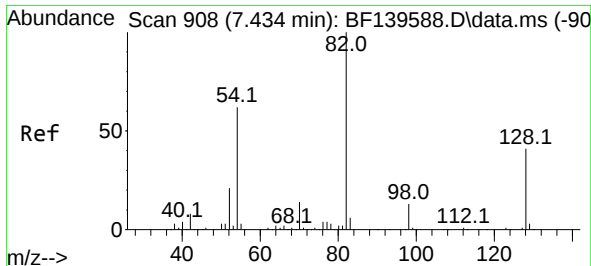
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Tgt Ion:136 Resp: 234684
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.2 8.3 12.5
68 6.5 4.6 7.0





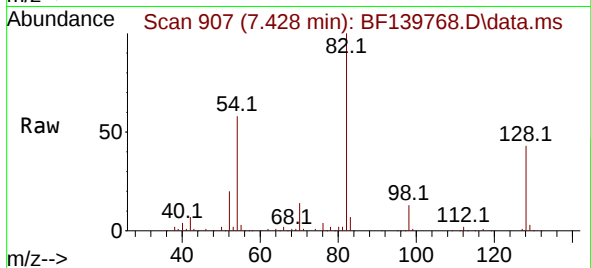
#23
Nitrobenzene-d5
Concen: 35.481 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Instrument :

BNA_F

ClientSampleId :

OR-02-100924

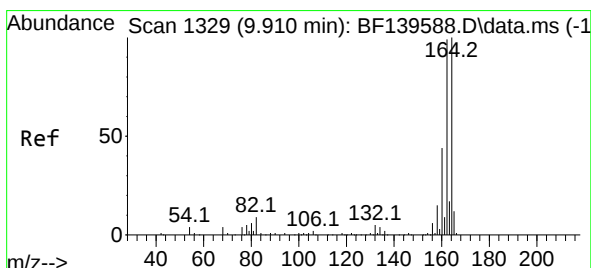
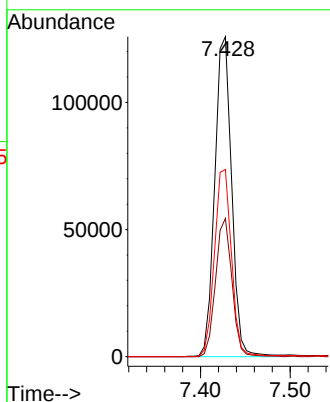
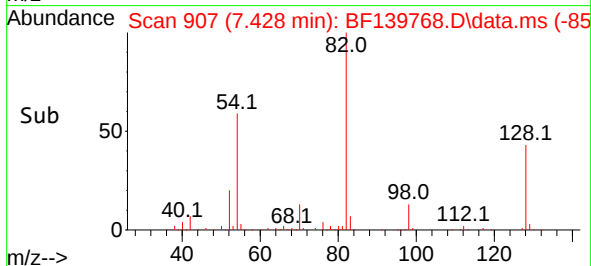


Tgt Ion: 82 Resp: 164462
Ion Ratio Lower Upper
82 100
128 43.2 32.4 48.6
54 58.5 49.1 73.7

Manual Integrations

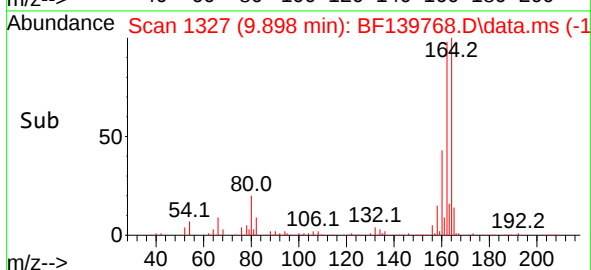
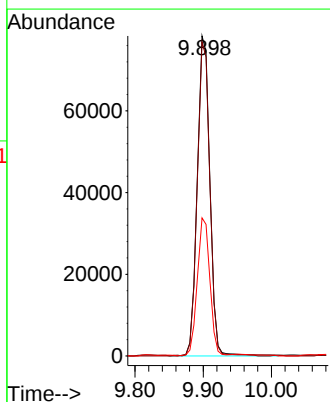
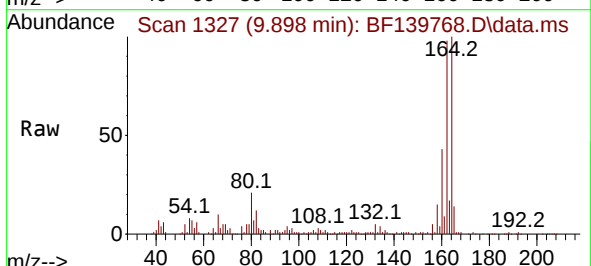
APPROVED

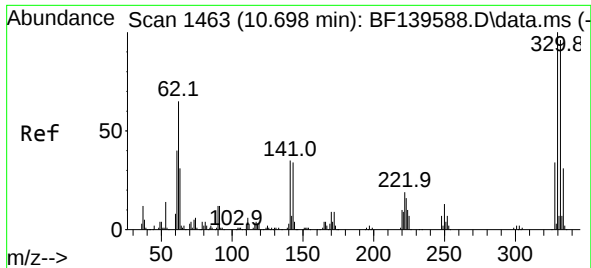
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

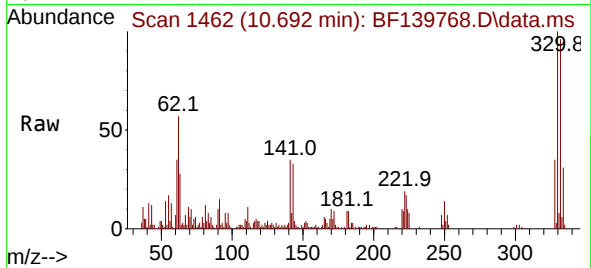
Tgt Ion:164 Resp: 100888
Ion Ratio Lower Upper
164 100
162 98.1 79.4 119.0
160 43.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 40.096 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

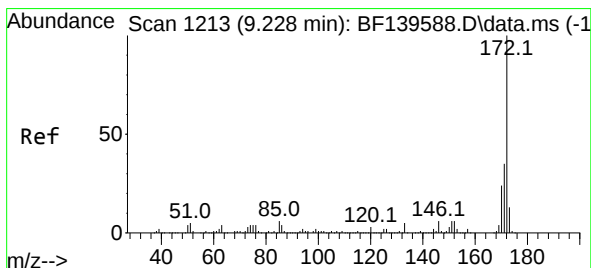
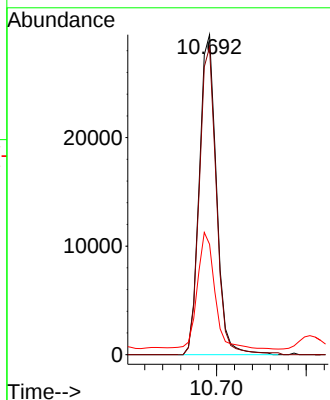
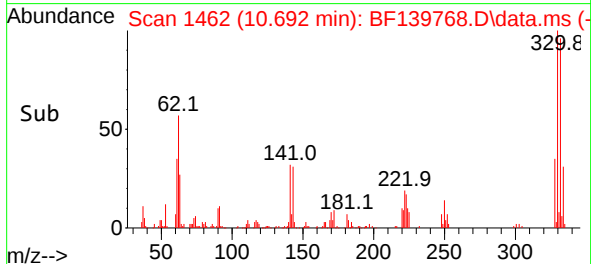
Instrument :
BNA_F
ClientSampleId :
OR-02-100924



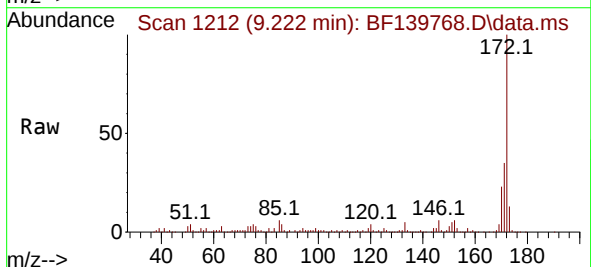
Tgt Ion: 330 Resp: 39050
Ion Ratio Lower Upper
330 100
332 95.8 76.5 114.7
141 37.2 29.3 43.9

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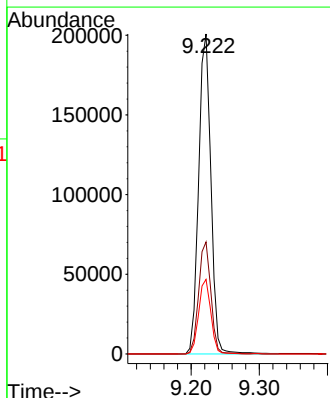
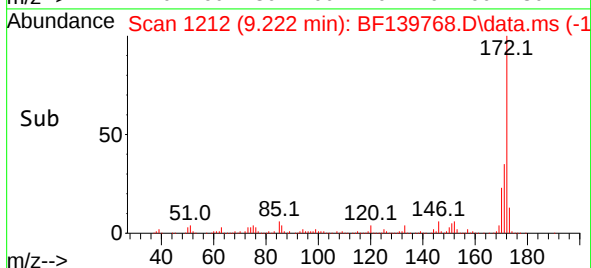
Reviewed By : Jagrut Upadhyay 10/14/2024
Supervised By : mohammad ahmed 10/15/2024

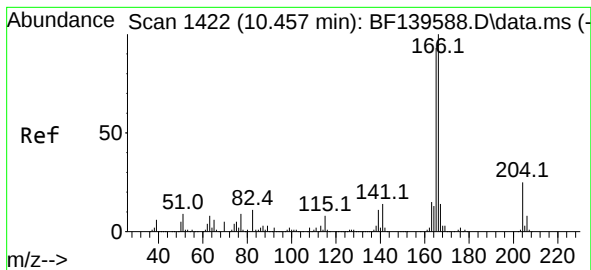


#45
2-Fluorobiphenyl
Concen: 38.200 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56



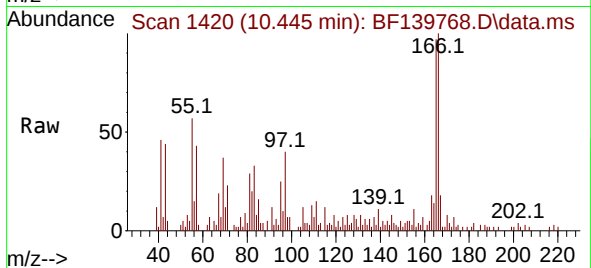
Tgt Ion: 172 Resp: 251042
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.3 18.8 28.2





#58
Fluorene
Concen: 2.273 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

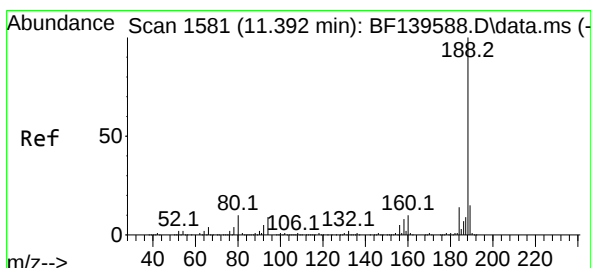
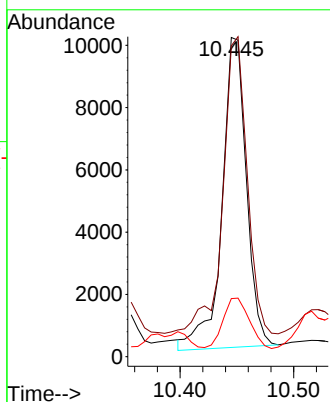
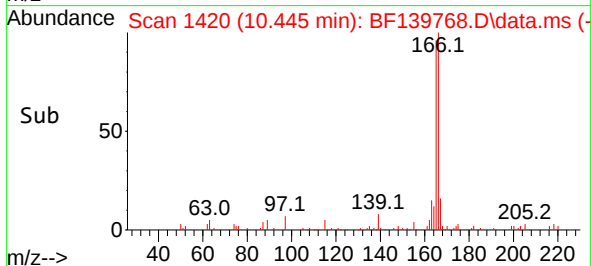
Instrument :
BNA_F
ClientSampleId :
OR-02-100924



Tgt Ion:166 Resp: 14890
Ion Ratio Lower Upper
166 100
165 97.4 74.4 111.6
167 18.2 10.9 16.3

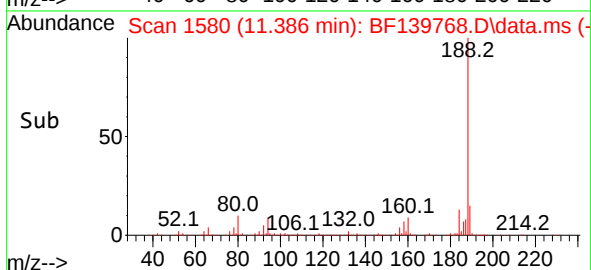
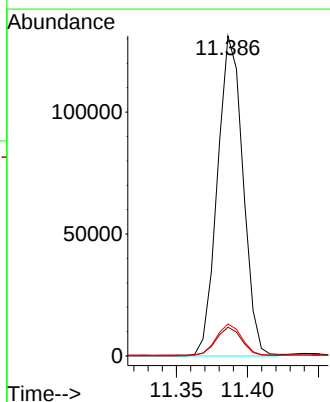
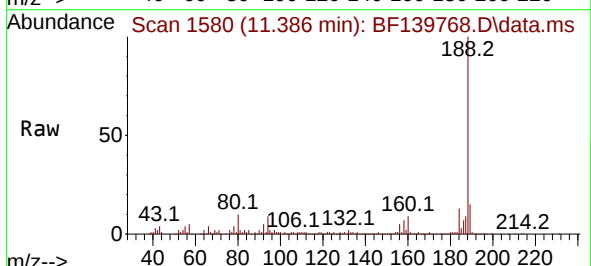
Manual Integrations
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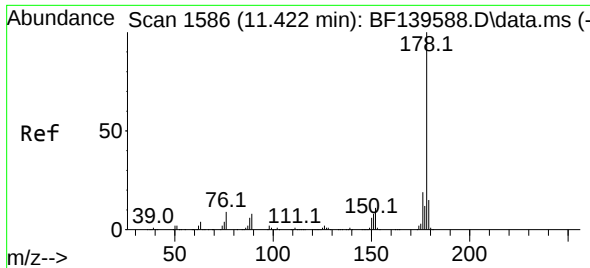
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Tgt Ion:188 Resp: 164108
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.0 8.2 12.2





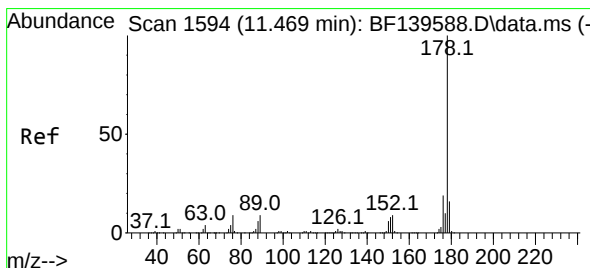
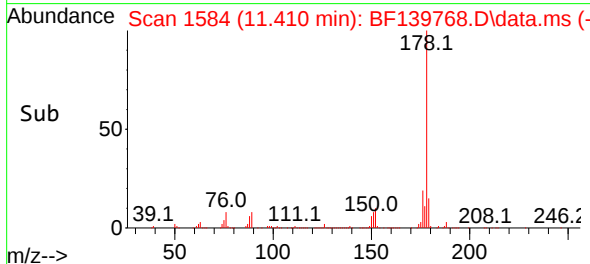
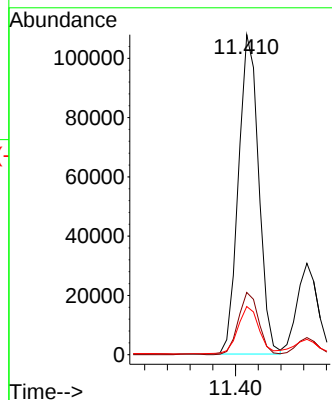
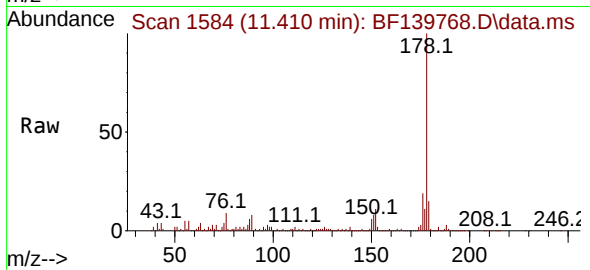
#71
Phenanthrene
Concen: 17.229 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Instrument :
BNA_F
ClientSampleId :
OR-02-100924

Tgt Ion:178 Resp: 133312
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.1 12.3 18.5

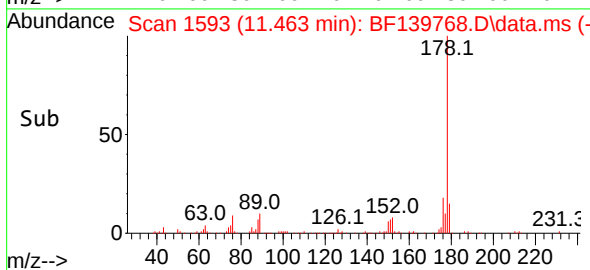
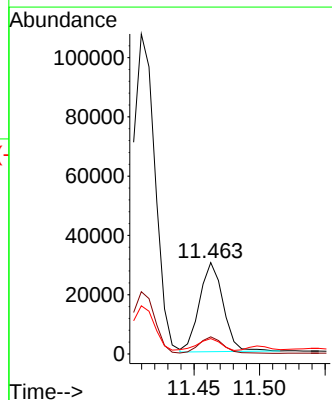
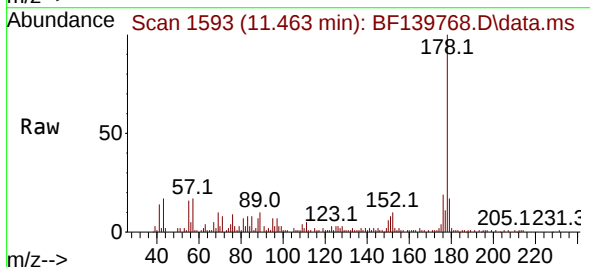
Manual Integrations
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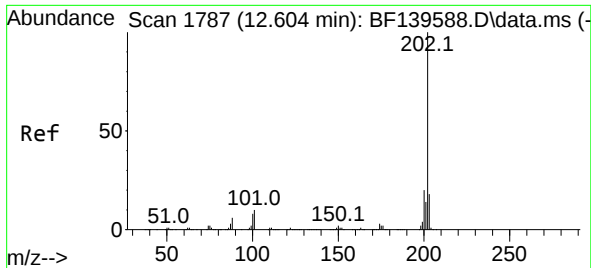
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 4.975 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

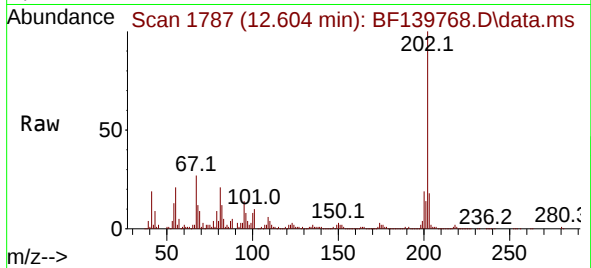
Tgt Ion:178 Resp: 38086
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 16.8 12.5 18.7





#75
Fluoranthene
Concen: 27.472 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

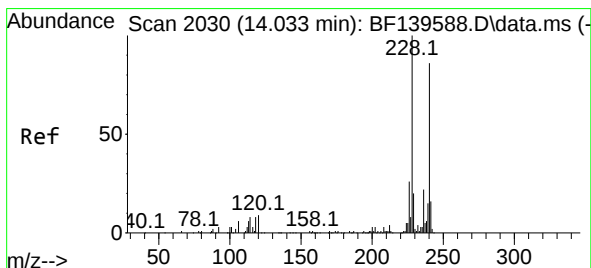
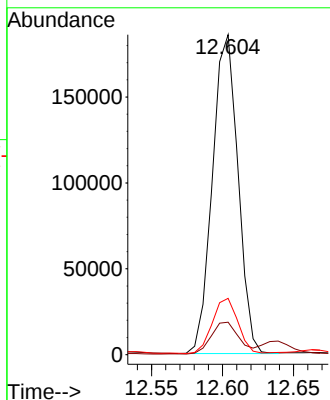
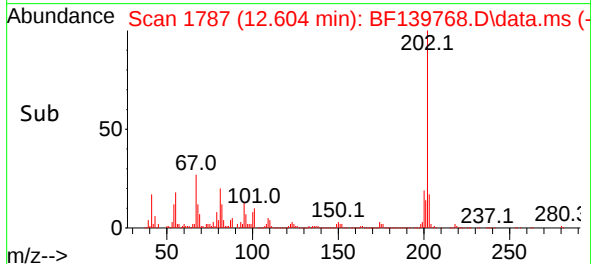
Instrument :
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OR-02-100924



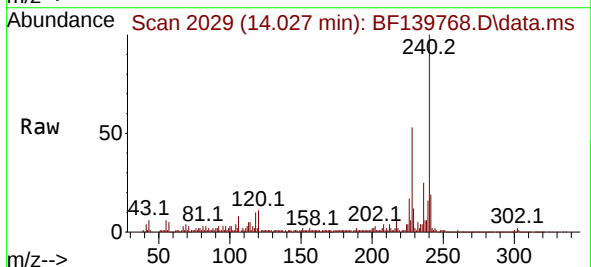
Tgt Ion:202 Resp: 23237
Ion Ratio Lower Upper
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101 10.1 0.0 30.2
203 17.6 0.0 37.7

Manual Integrations
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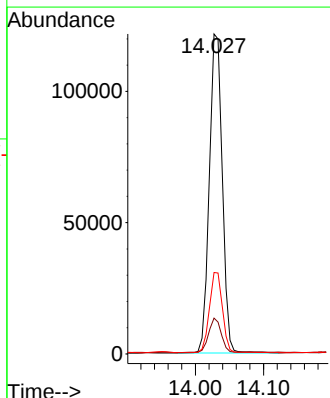
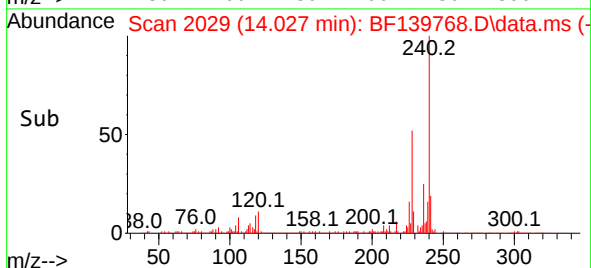
Reviewed By :Jagrut Upadhyay 10/14/2024
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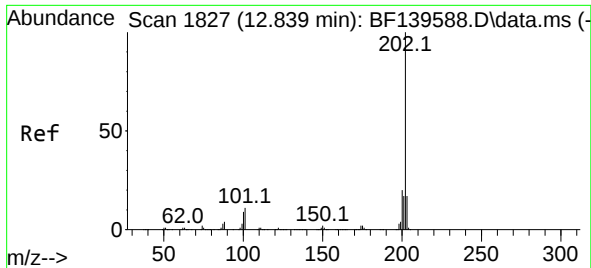


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56



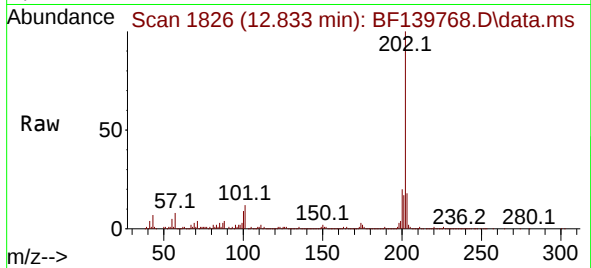
Tgt Ion:240 Resp: 161162
Ion Ratio Lower Upper
240 100
120 11.2 8.4 12.6
236 25.4 20.3 30.5





#78
Pyrene
Concen: 16.540 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

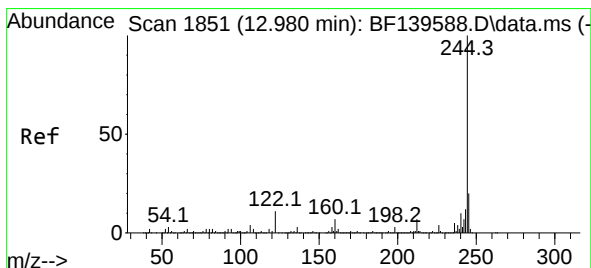
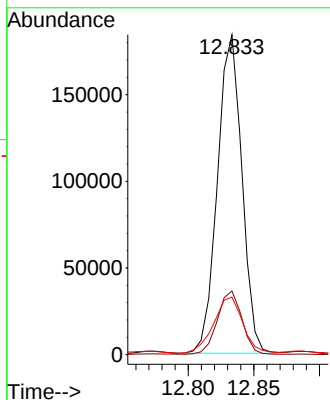
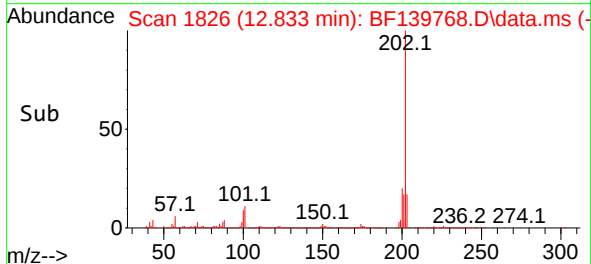
Instrument :
BNA_F
ClientSampleId :
OR-02-100924



Tgt Ion:202 Resp: 23840
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.6
203 18.0 13.8 20.8

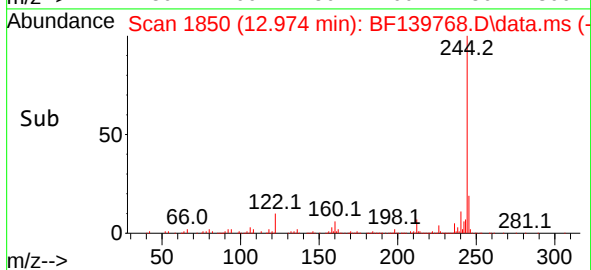
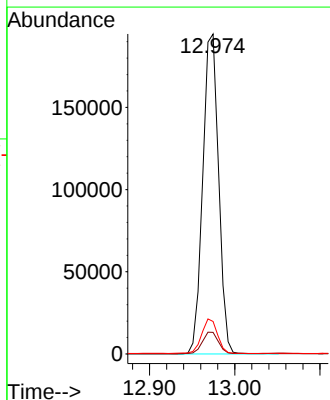
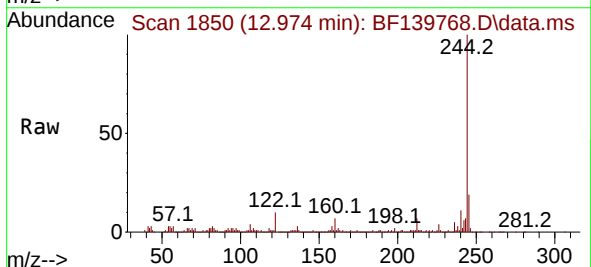
Manual Integrations
APPROVED

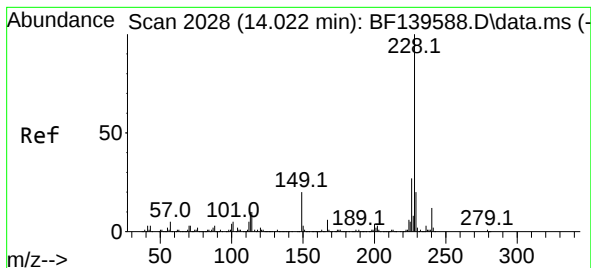
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#79
Terphenyl-d14
Concen: 25.662 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Tgt Ion:244 Resp: 252056
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 10.1 8.6 12.8





#81

Benzo(a)anthracene

Concen: 12.356 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139768.D

Acq: 11 Oct 2024 11:56

Instrument :

BNA_F

ClientSampleId :

OR-02-100924

Tgt Ion:228 Resp: 13092

Ion Ratio Lower Upper

228 100

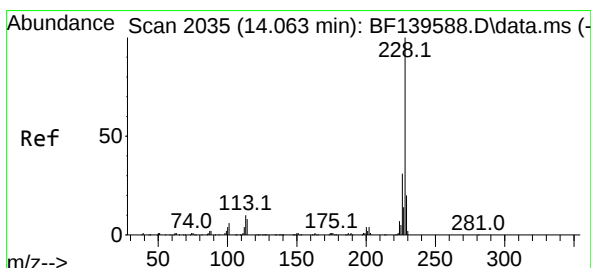
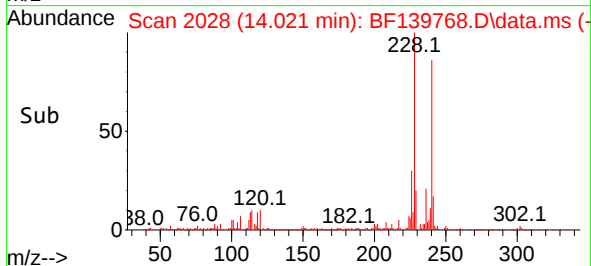
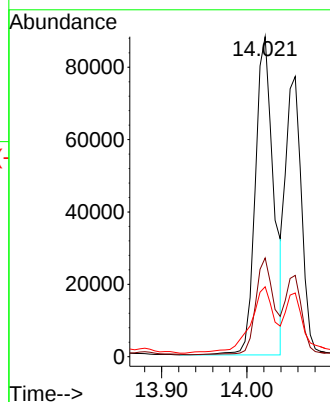
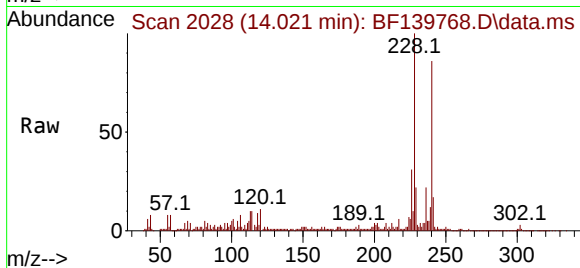
226 30.8 21.8 32.8

229 21.9 15.8 23.8

Manual Integrations

APPROVED

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



#83

Chrysene

Concen: 10.139 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139768.D

Acq: 11 Oct 2024 11:56

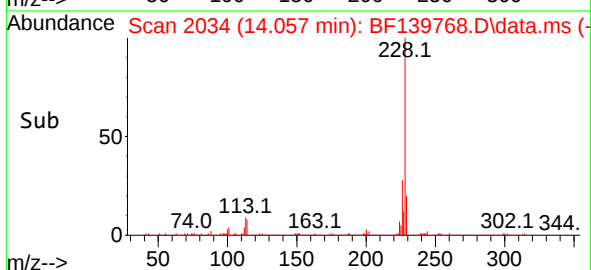
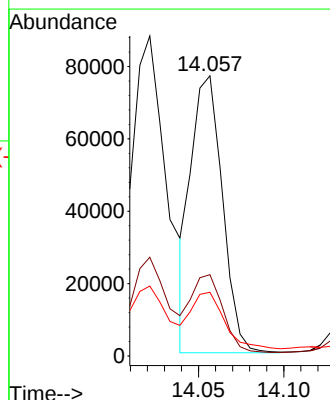
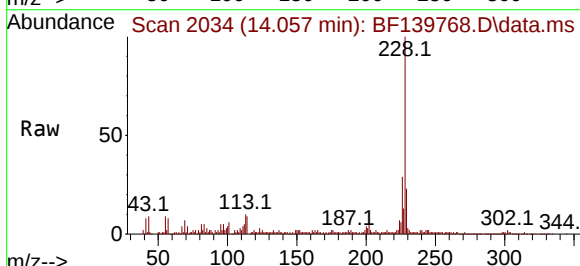
Tgt Ion:228 Resp: 98217

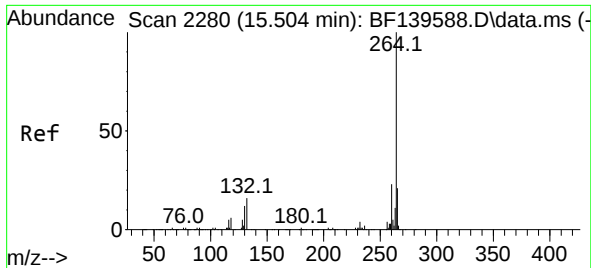
Ion Ratio Lower Upper

228 100

226 29.0 24.3 36.5

229 22.7 15.7 23.5





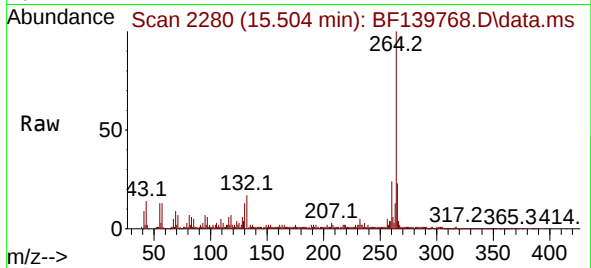
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Instrument :

BNA_F

ClientSampleId :

OR-02-100924

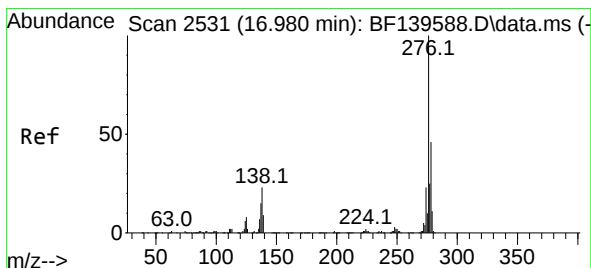
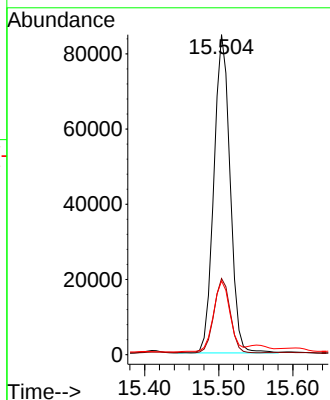
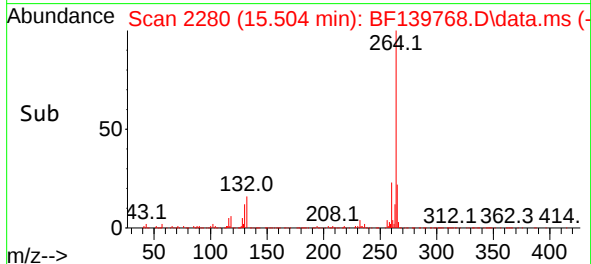


Tgt Ion:264 Resp: 128640
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 23.0 16.9 25.3

Manual Integrations

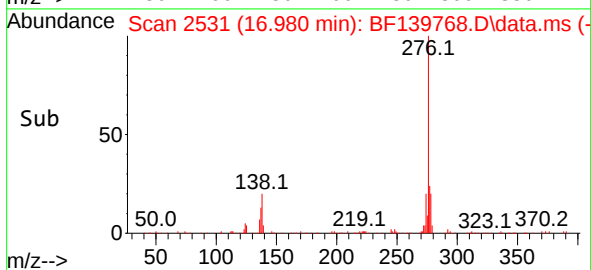
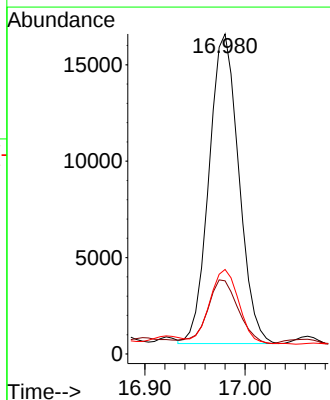
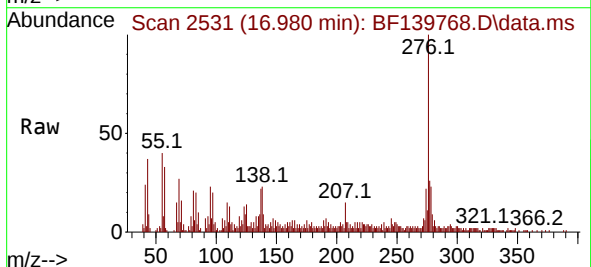
APPROVED

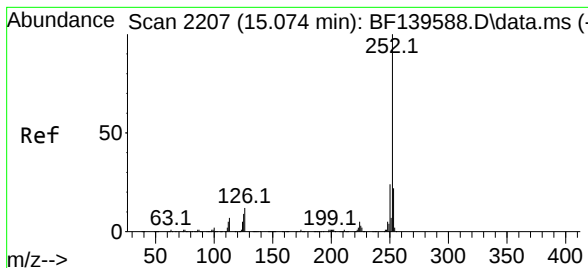
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.378 ng
RT: 16.980 min Scan# 2531
Delta R.T. -0.000 min
Lab File: BF139768.D
Acq: 11 Oct 2024 11:56

Tgt Ion:276 Resp: 33149
Ion Ratio Lower Upper
276 100
138 21.3 19.4 29.0
277 23.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 13.369 ng m

RT: 15.074 min Scan# 2110

Delta R.T. -0.000 min

Lab File: BF139768.D

Acq: 11 Oct 2024 11:56

Instrument :

BNA_F

ClientSampleId :

OR-02-100924

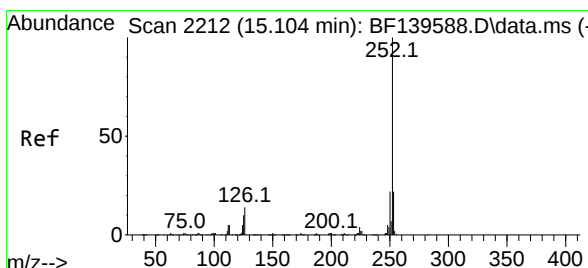
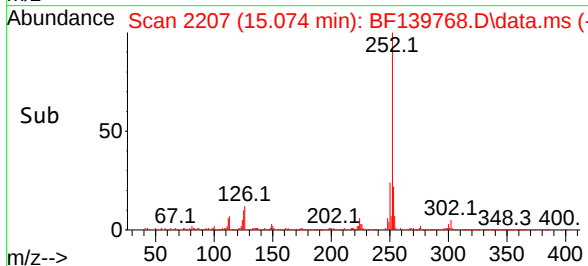
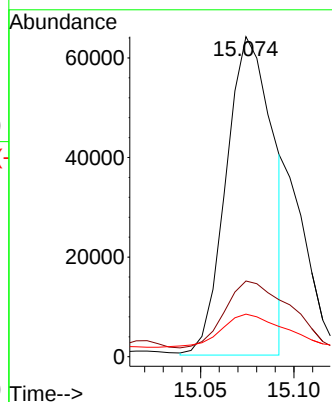
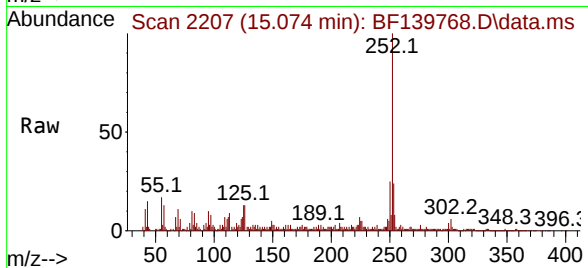
Tgt Ion:252 Resp: 11120

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	13.3	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: 4.666 ng m

RT: 15.092 min Scan# 2210

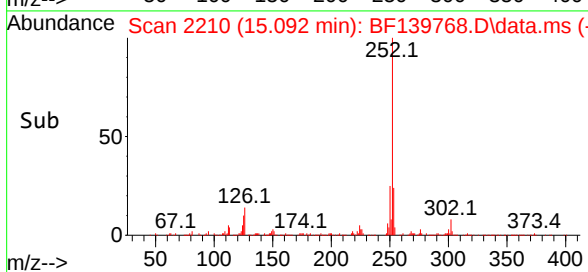
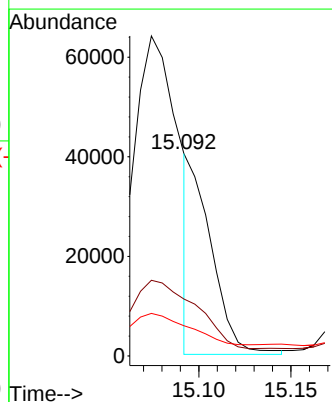
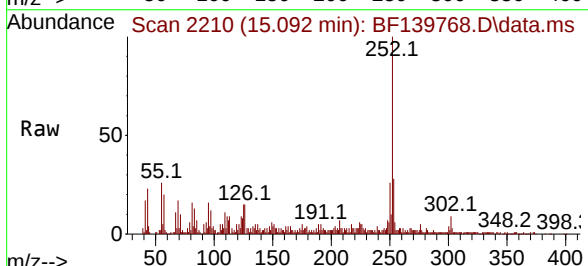
Delta R.T. -0.012 min

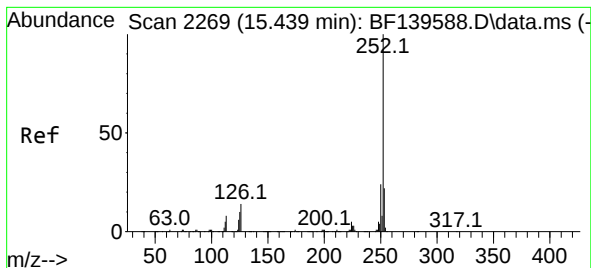
Lab File: BF139768.D

Acq: 11 Oct 2024 11:56

Tgt Ion:252 Resp: 32921

Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.5	26.3#
125	14.9	7.6	11.4#





#90

Benzo(a)pyrene

Concen: 11.187 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF139768.D

Acq: 11 Oct 2024 11:56

Instrument :

BNA_F

ClientSampleId :

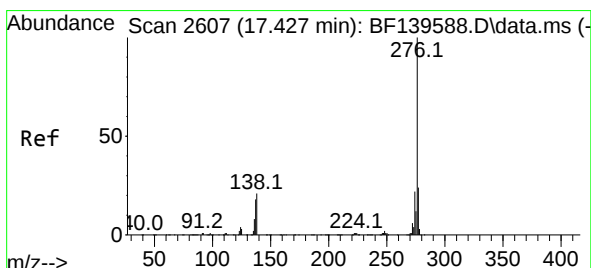
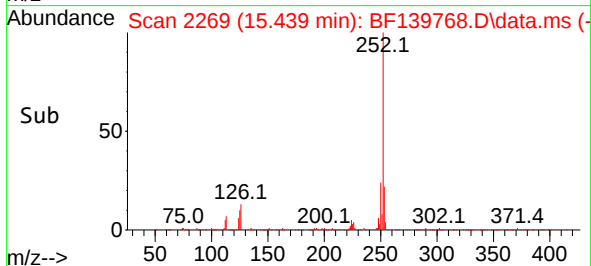
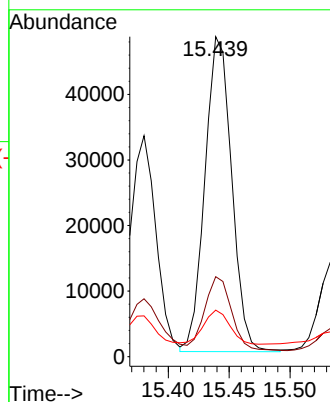
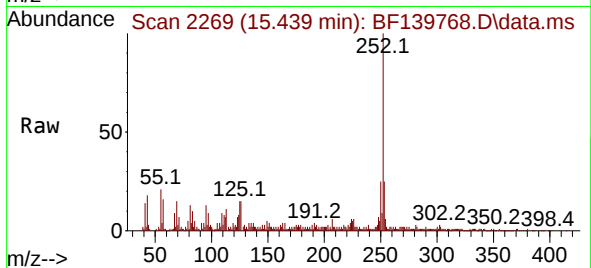
OR-02-100924

Tgt Ion:	252	Resp:	73370
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.3	25.9
125	14.6	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: 5.220 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.000 min

Lab File: BF139768.D

Acq: 11 Oct 2024 11:56

Tgt Ion:	276	Resp:	32875
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.0	28.6
138	24.0	17.0	25.6

