

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139779.D
 Acq On : 11 Oct 2024 17:13
 Operator : RC/JU
 Sample : P4364-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0.167-0.667

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 18:15:45 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	72993	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	237933	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	118021	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	226057	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165384	20.000	ng	0.00
86) Perylene-d12	15.510	264	117287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	146584	34.807	ng	0.01
7) Phenol-d6	6.510	99	170877	30.172	ng	0.00
23) Nitrobenzene-d5	7.428	82	104229	22.179	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	36627	32.149	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	184081	23.945	ng	0.00
79) Terphenyl-d14	12.974	244	220095	21.836	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.763	152	34715	3.469	ng	97
71) Phenanthrene	11.416	178	140080	13.142	ng	99
72) Anthracene	11.463	178	39089	3.707	ng	98
74) Di-n-butylphthalate	11.951	149	277982	22.571	ng	99
75) Fluoranthene	12.604	202	268429	23.038	ng	100
78) Pyrene	12.833	202	276172	18.671	ng	98
81) Benzo(a)anthracene	14.021	228	131812m	12.122	ng	
83) Chrysene	14.057	228	120094	12.081	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	192053	29.069	ng	100
87) Indeno(1,2,3-cd)pyrene	16.986	276	50199	7.272	ng	95
88) Benzo(b)fluoranthene	15.080	252	121171m	15.978	ng	
89) Benzo(k)fluoranthene	15.098	252	33320m	5.180	ng	
90) Benzo(a)pyrene	15.445	252	79900	13.362	ng	# 95
91) Dibenzo(a,h)anthracene	16.998	278	12660	2.211	ng	# 82
92) Benzo(g,h,i)perylene	17.439	276	52944	9.220	ng	98

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

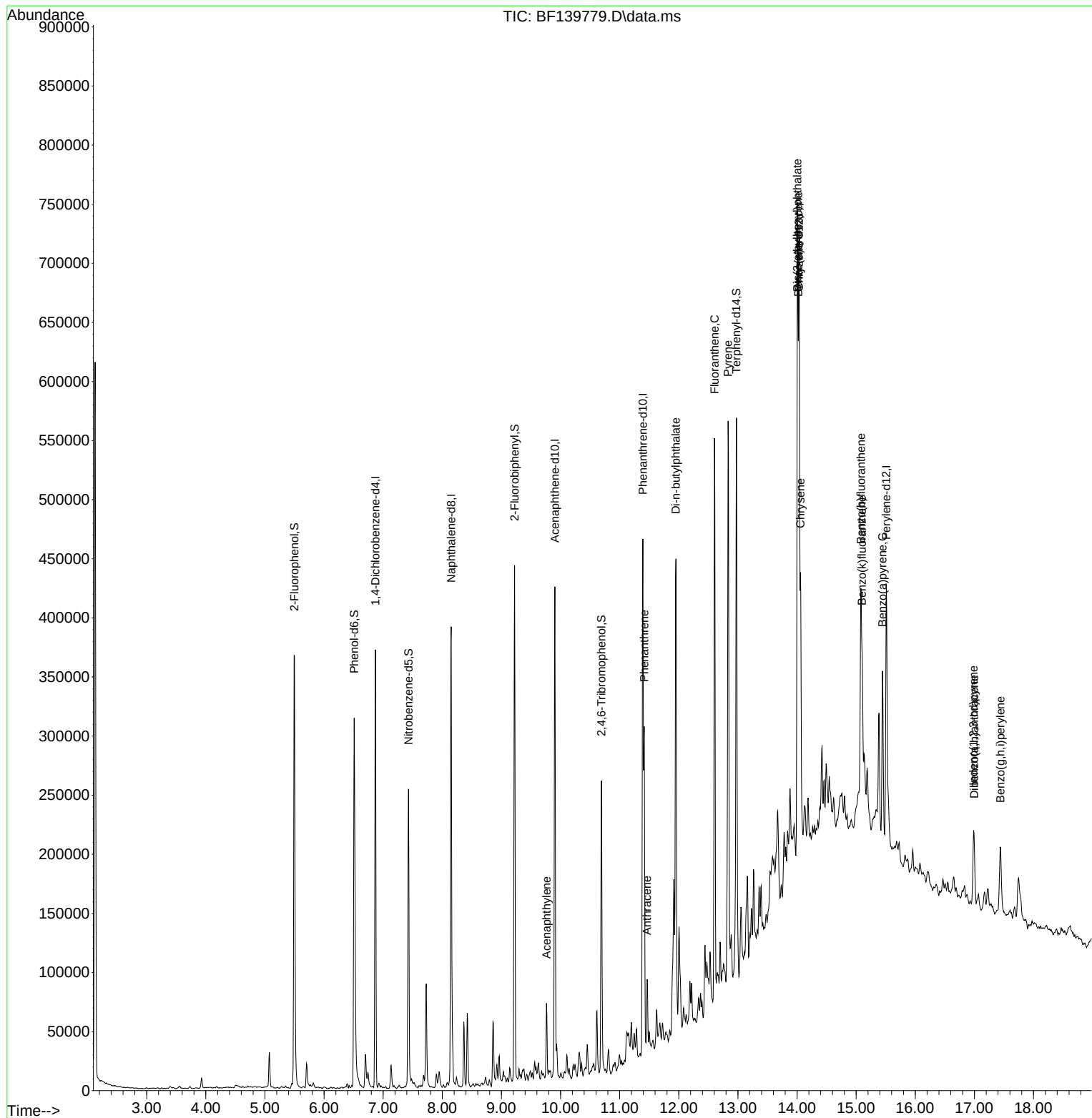
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139779.D
Acq On : 11 Oct 2024 17:13
Operator : RC/JU
Sample : P4364-04 2X
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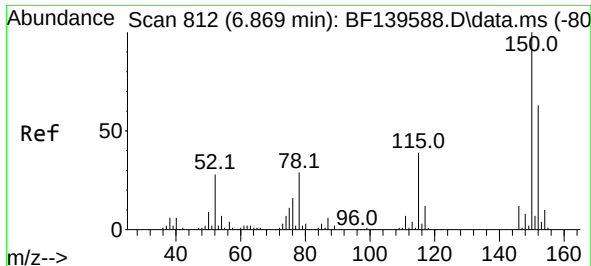
Instrument :
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Quant Time: Oct 11 18:15:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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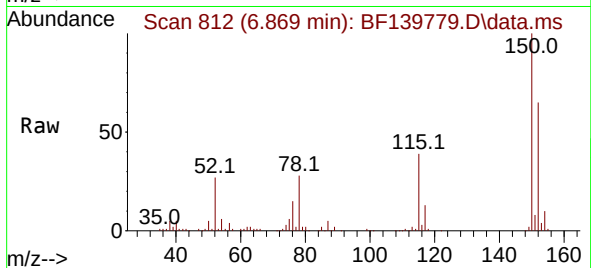
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

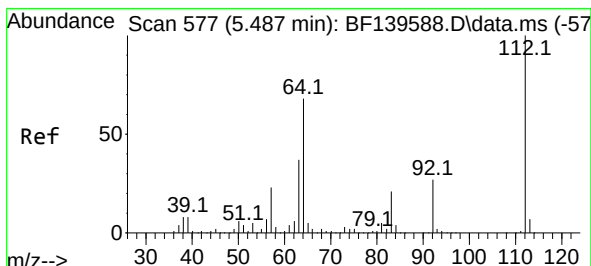
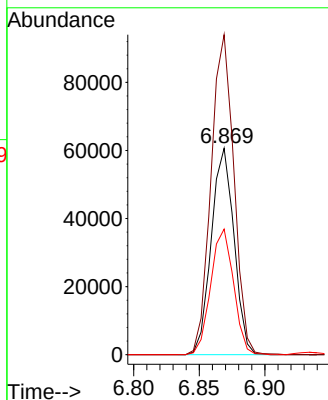
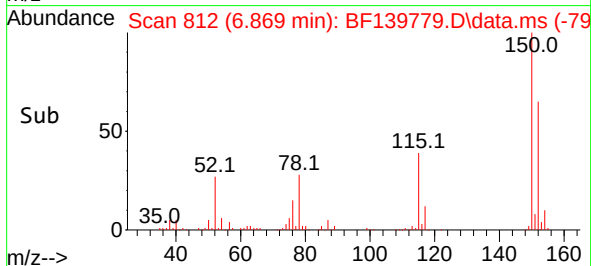
Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667



Tgt Ion:152 Resp: 7299
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 60.9 49.0 73.4

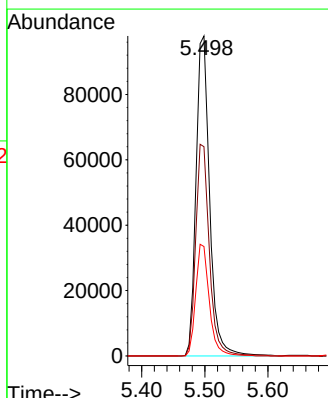
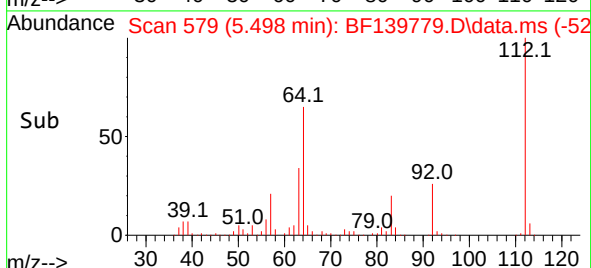
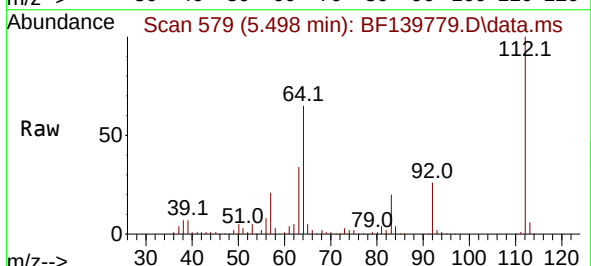
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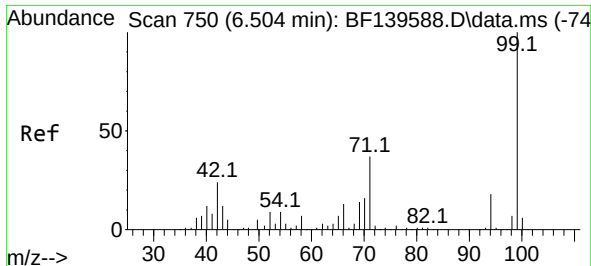
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 34.807 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

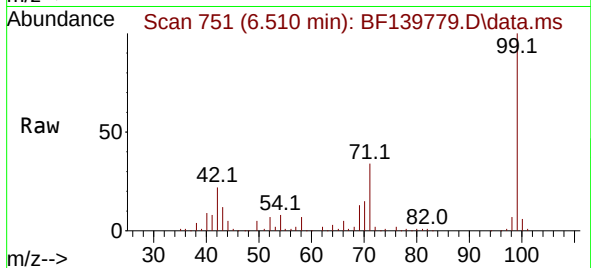
Tgt Ion:112 Resp: 146584
Ion Ratio Lower Upper
112 100
64 65.4 54.2 81.4
63 34.2 29.4 44.2





#7
Phenol-d6
Concen: 30.172 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

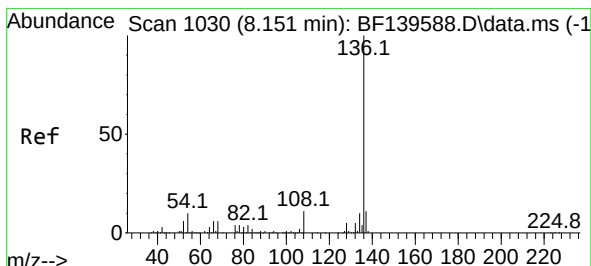
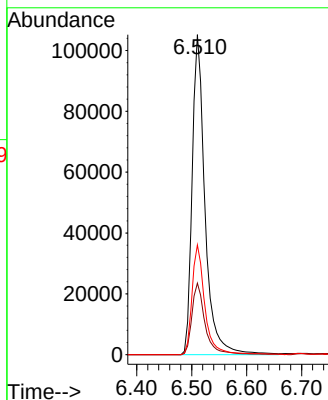
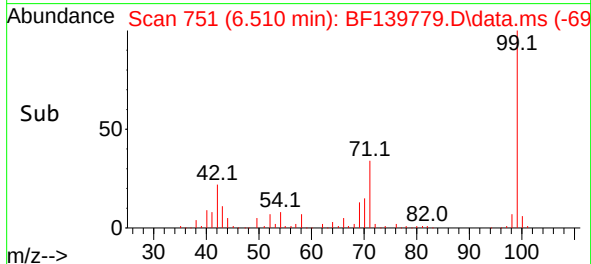
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Tgt Ion: 99 Resp: 17087
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 34.3 29.7 44.5

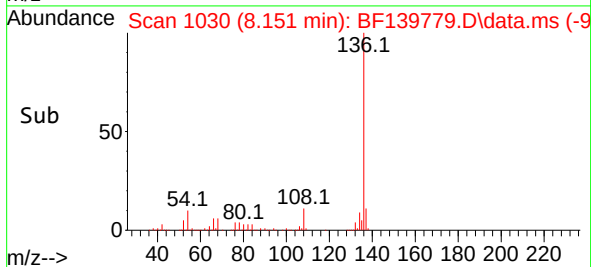
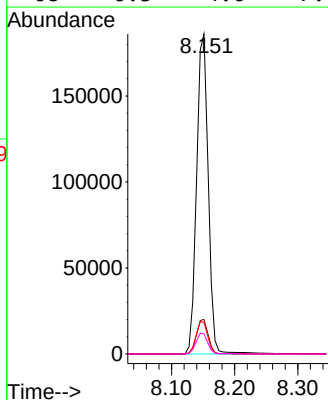
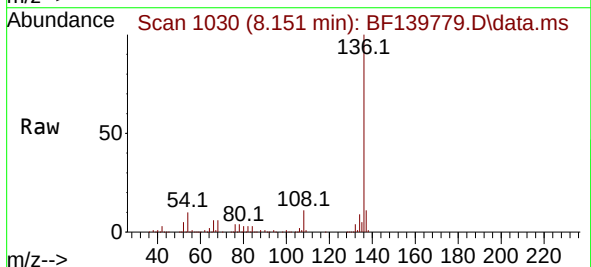
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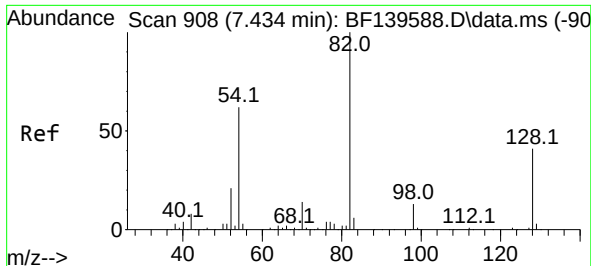
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion:136 Resp: 237933
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.9 8.3 12.5
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 22.179 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF139779.D

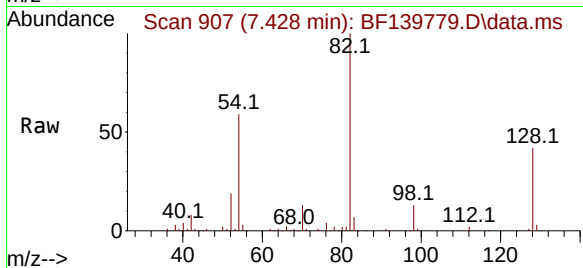
Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667



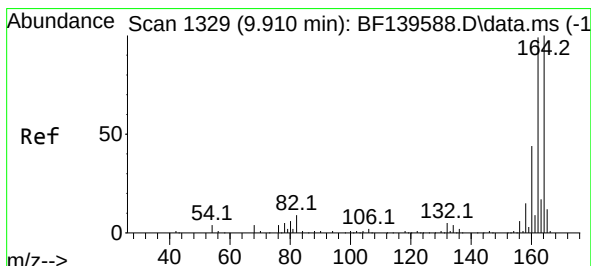
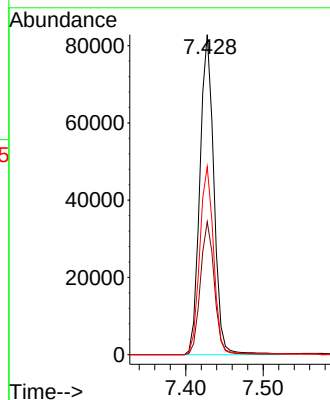
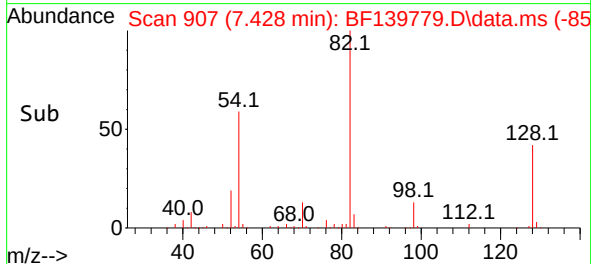
Tgt Ion: 82 Resp: 104229

Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.4	48.6
54	58.7	49.1	73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

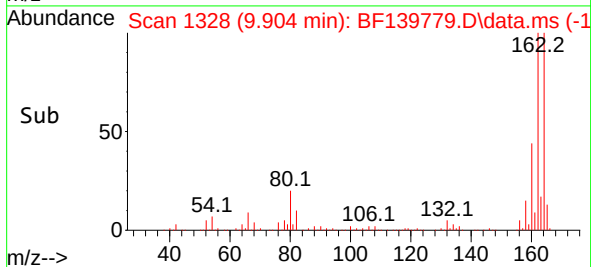
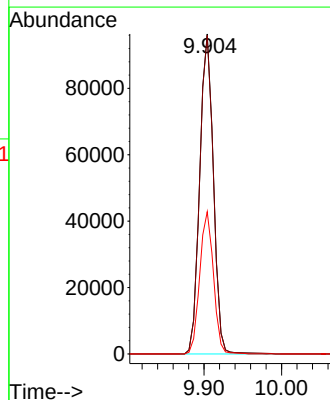
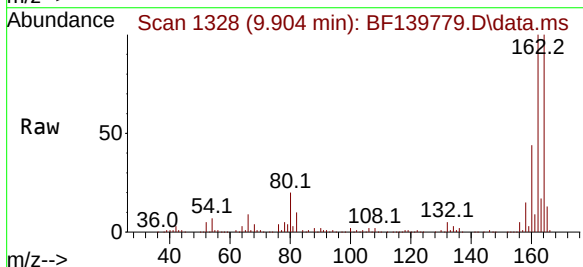
Delta R.T. -0.006 min

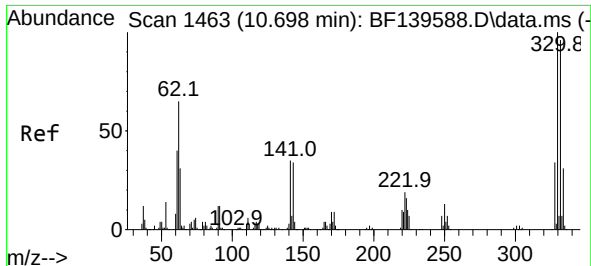
Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Tgt Ion:164 Resp: 118021

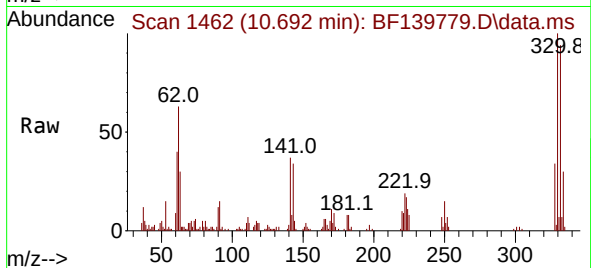
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	44.5	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 32.149 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

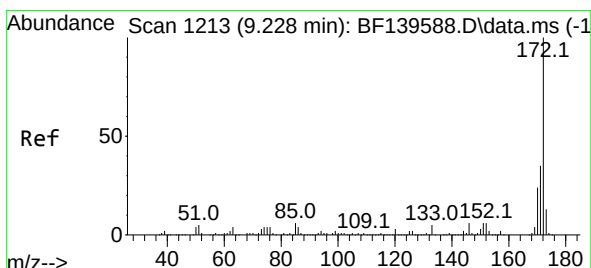
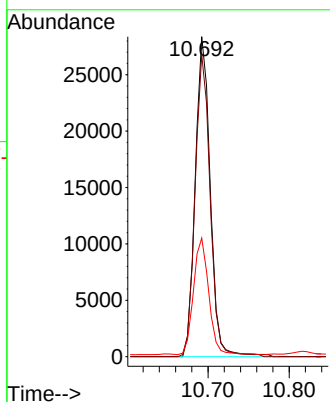
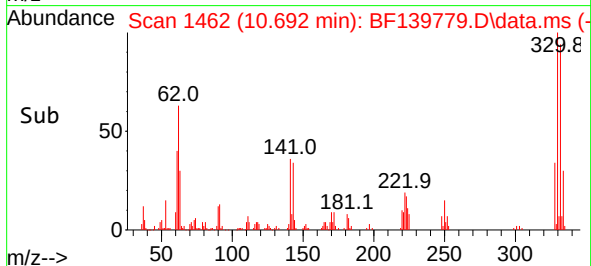
Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667



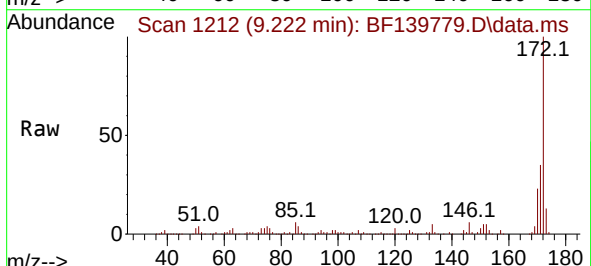
Tgt Ion: 330 Resp: 3662
Ion Ratio Lower Upper
330 100
332 94.7 76.5 114.7
141 37.0 29.3 43.9

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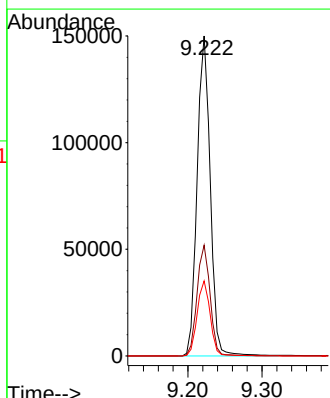
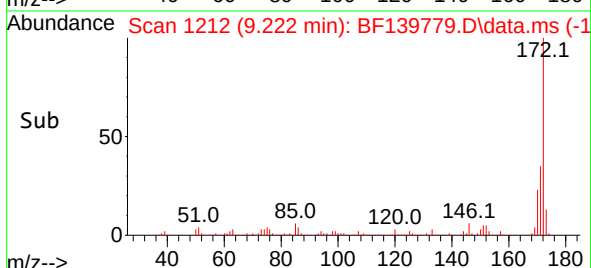
Reviewed By : Jagrut Upadhyay 10/14/2024
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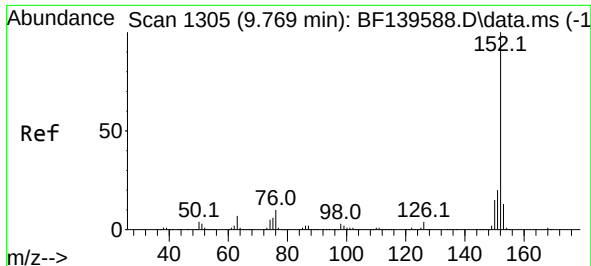


#45
2-Fluorobiphenyl
Concen: 23.945 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13



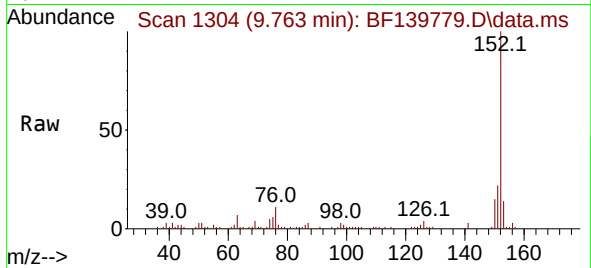
Tgt Ion: 172 Resp: 184081
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.4 18.8 28.2





#49
Acenaphthylene
Concen: 3.469 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

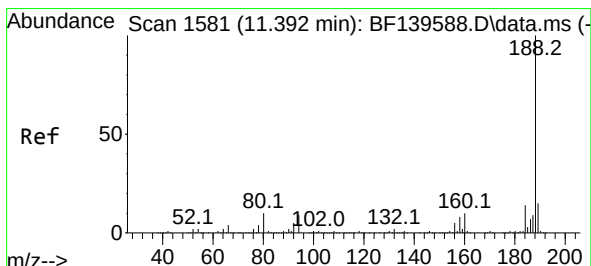
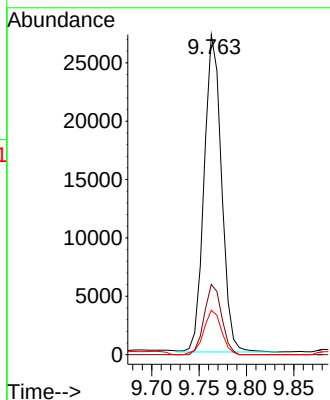
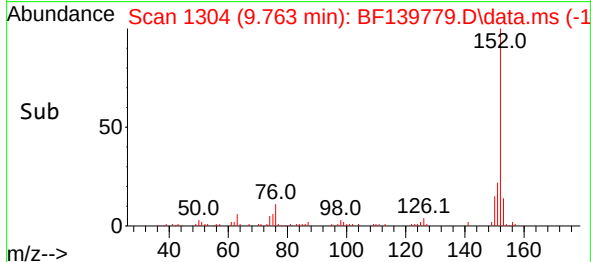
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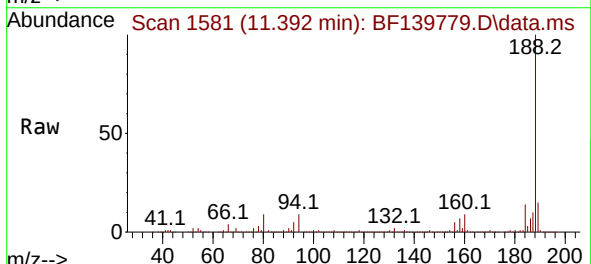
Tgt Ion:152 Resp: 34715
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 13.9 10.5 15.7

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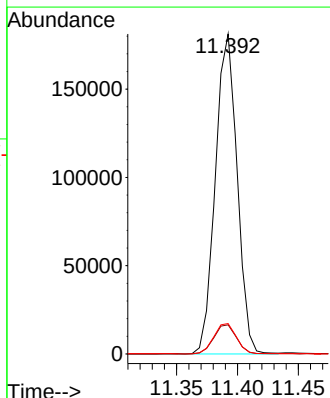
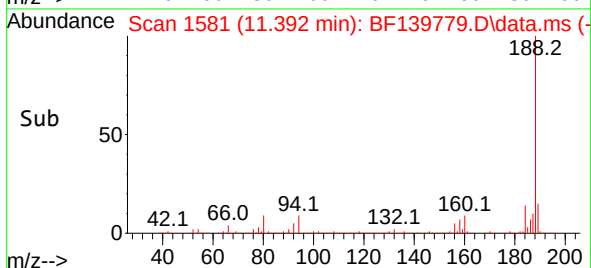
Reviewed By :Jagrut Upadhyay 10/14/2024
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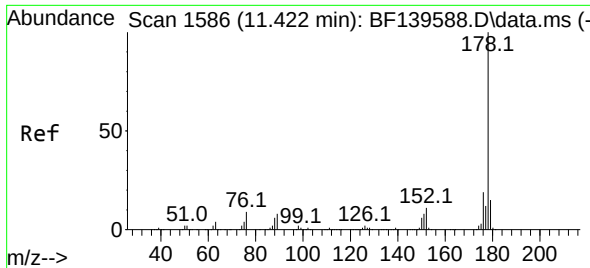


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13



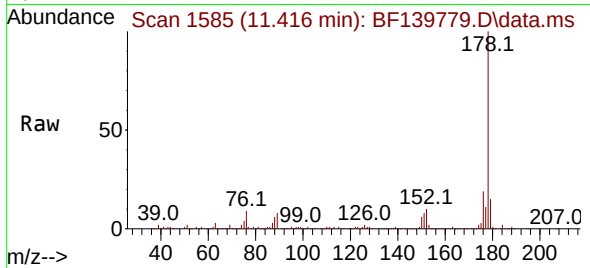
Tgt Ion:188 Resp: 226057
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.5 8.2 12.2





#71
Phenanthrene
Concen: 13.142 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

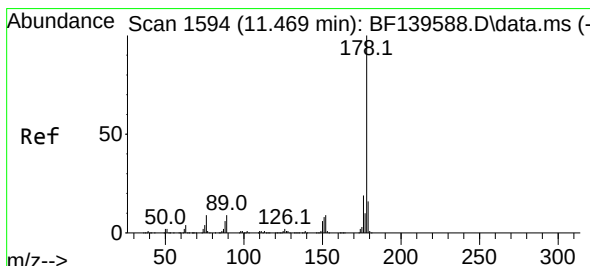
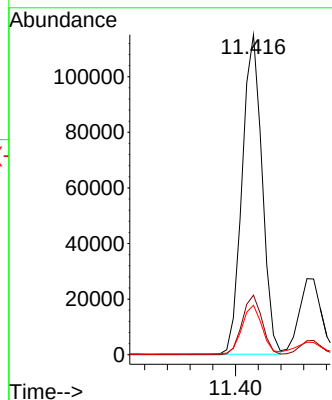
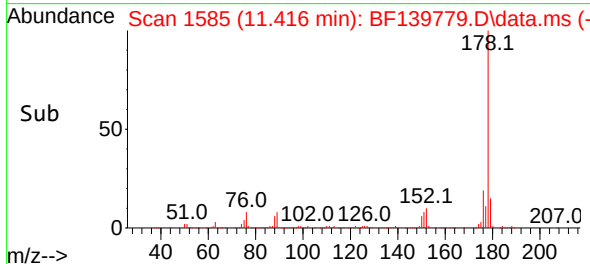
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Tgt Ion:178 Resp: 140080
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.4 12.3 18.5

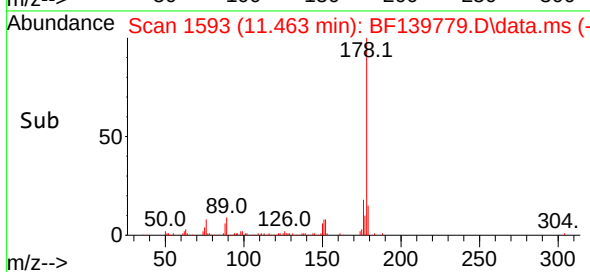
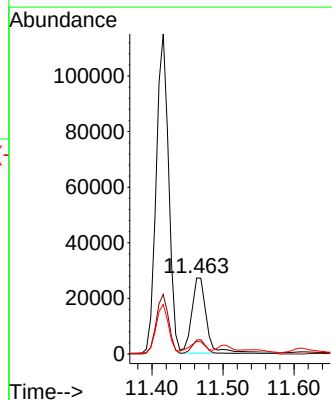
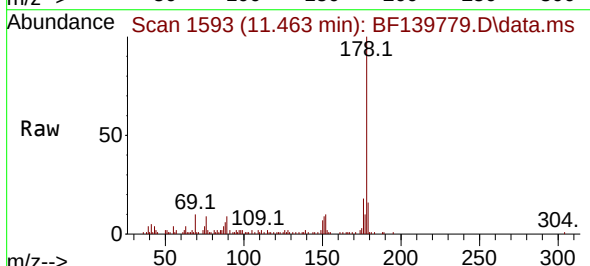
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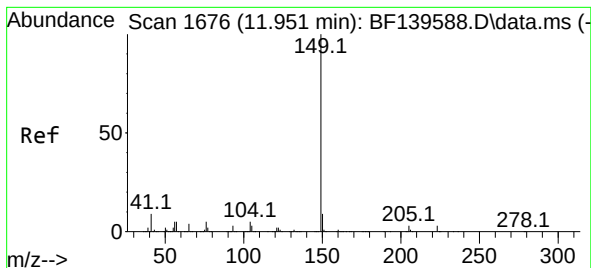
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 3.707 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

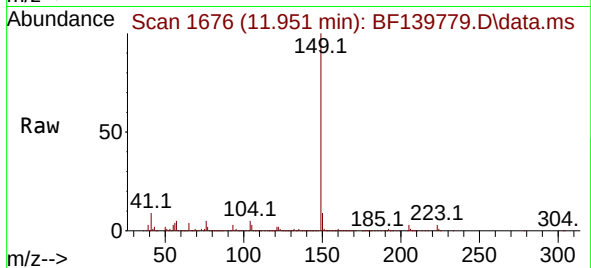
Tgt Ion:178 Resp: 39089
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 16.4 12.5 18.7





#74
Di-n-butylphthalate
Concen: 22.571 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

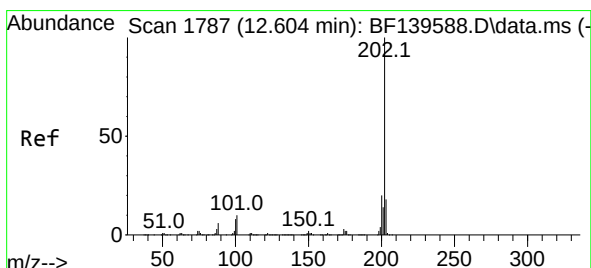
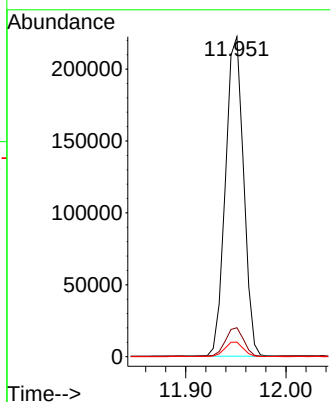
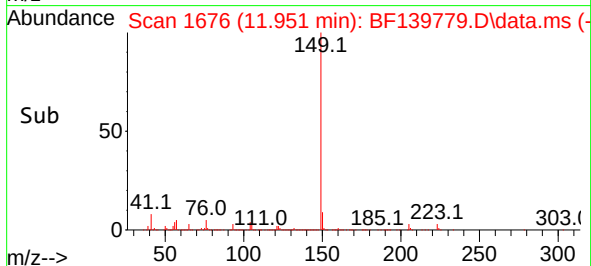
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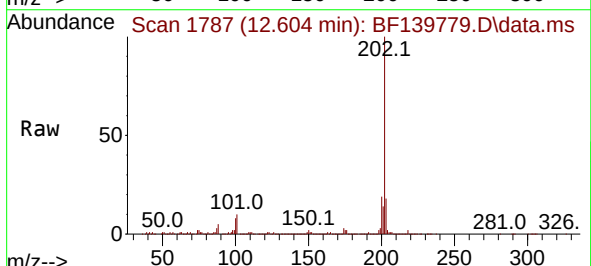
Tgt Ion:149 Resp: 277982
Ion Ratio Lower Upper
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150 9.0 7.5 11.3
104 4.5 4.1 6.1

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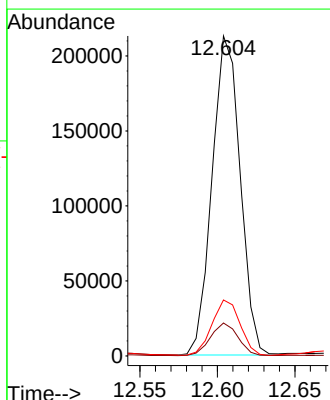
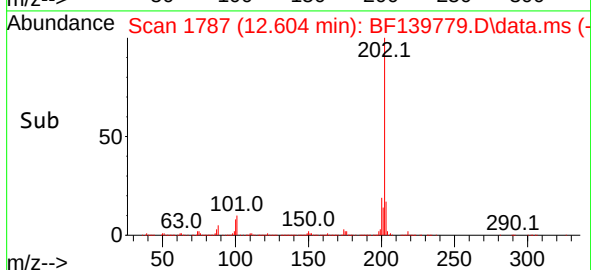
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

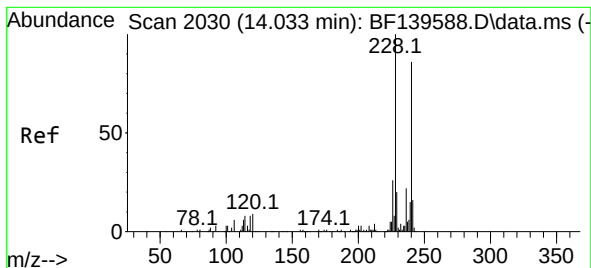


#75
Fluoranthene
Concen: 23.038 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13



Tgt Ion:202 Resp: 268429
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.2
203 17.5 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

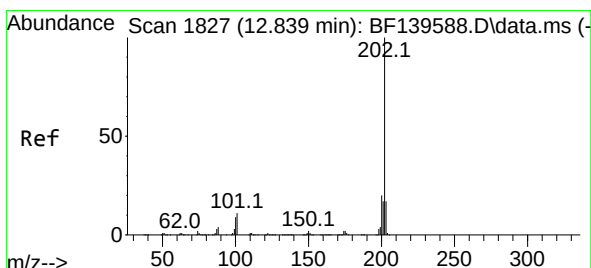
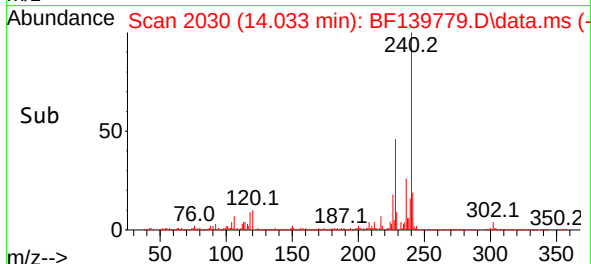
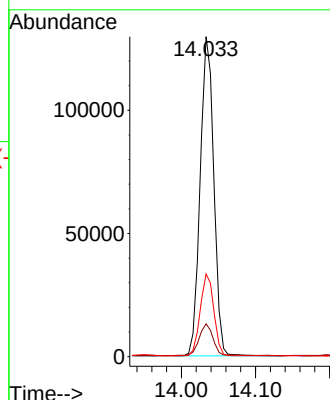
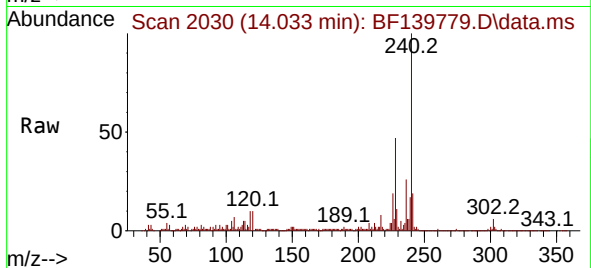
SB-02-0.167-0.667

Tgt Ion:240 Resp: 165384
 Ion Ratio Lower Upper
 240 100
 120 10.2 8.4 12.6
 236 25.8 20.3 30.5

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 18.671 ng

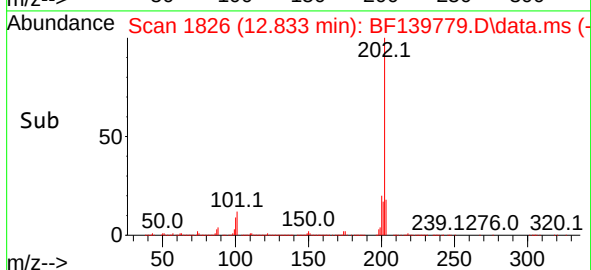
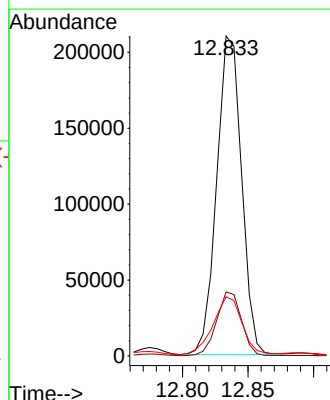
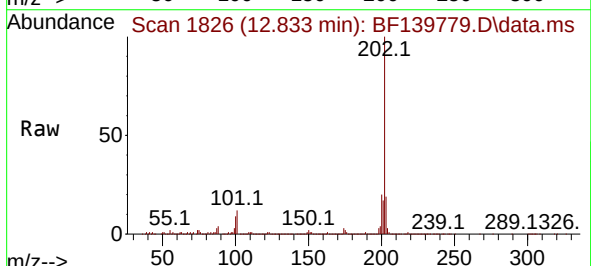
RT: 12.833 min Scan# 1826

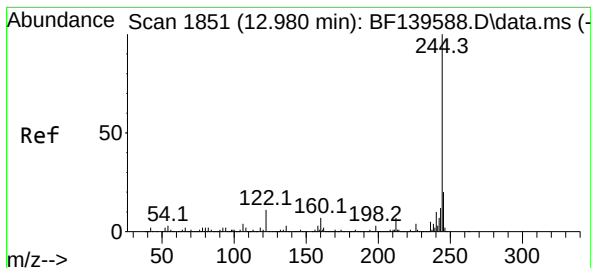
Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Tgt Ion:202 Resp: 276172
 Ion Ratio Lower Upper
 202 100
 200 20.0 15.8 23.6
 203 18.5 13.8 20.8





#79

Terphenyl-d14

Concen: 21.836 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

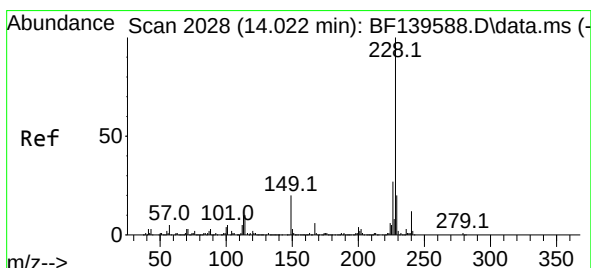
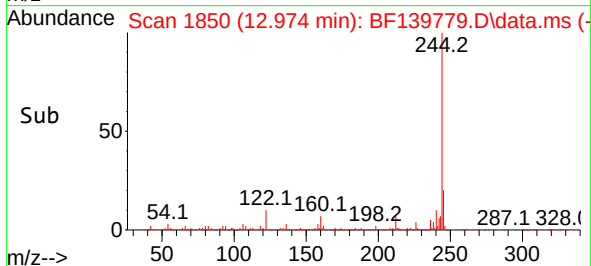
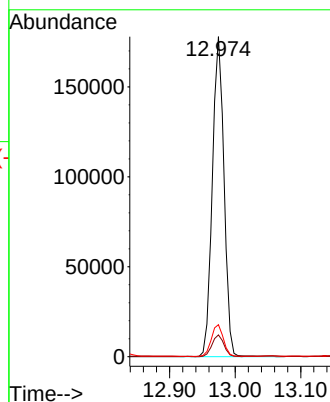
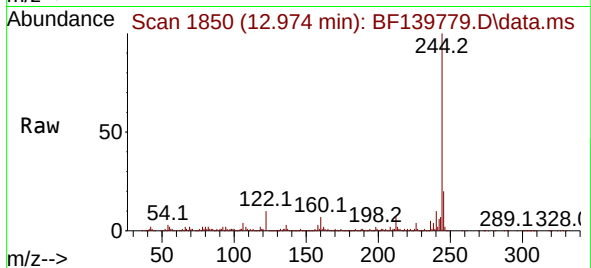
SB-02-0.167-0.667

Tgt Ion:244 Resp: 220095
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 10.0 8.6 12.8

Manual Integrations

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



#81

Benzo(a)anthracene

Concen: 12.122 ng m

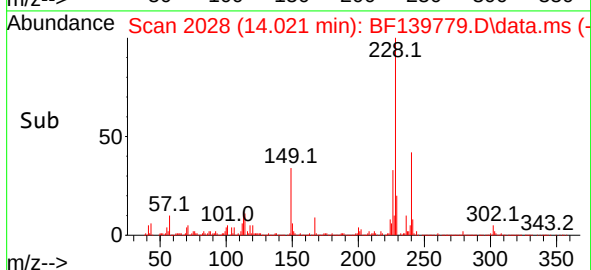
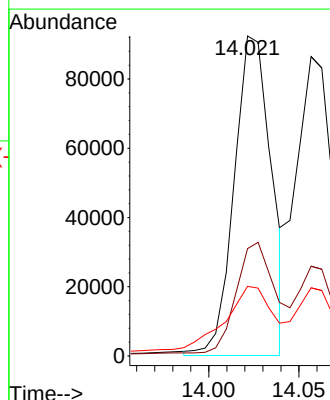
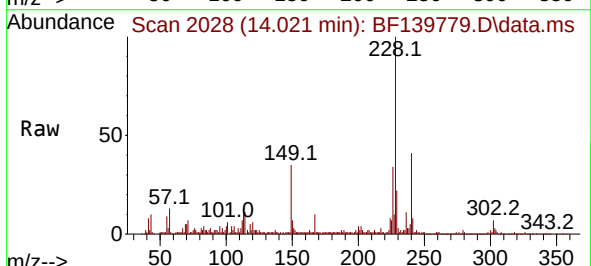
RT: 14.021 min Scan# 2028

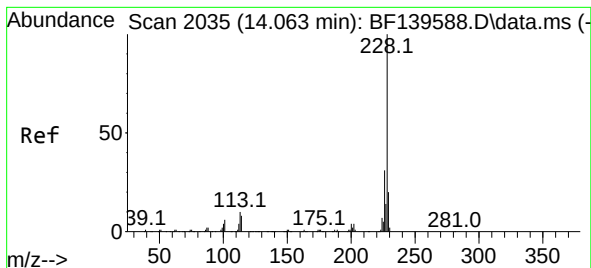
Delta R.T. -0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Tgt Ion:228 Resp: 131812
 Ion Ratio Lower Upper
 228 100
 226 33.6 21.8 32.8#
 229 21.8 15.8 23.8





#83

Chrysene

Concen: 12.081 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

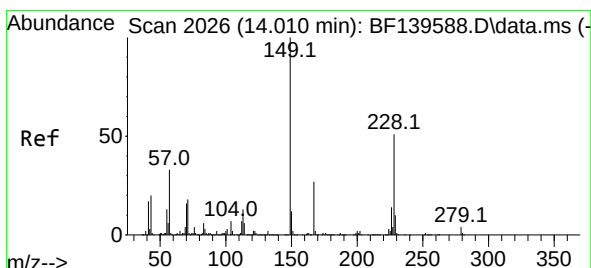
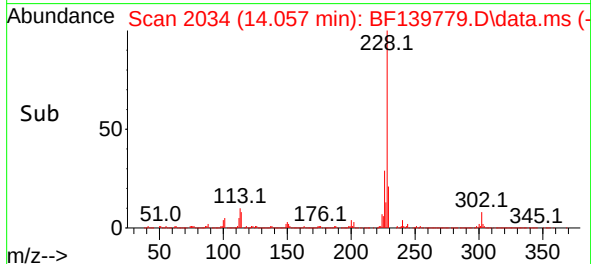
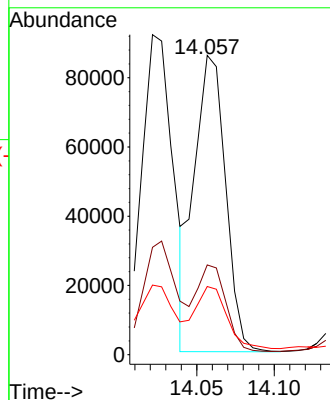
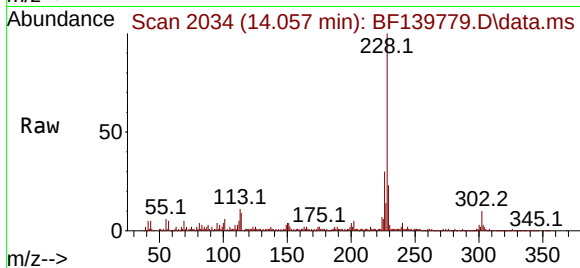
SB-02-0.167-0.667

Tgt Ion:228	Resp: 120094
Ion Ratio	Lower Upper
228 100	
226 30.0	24.3 36.5
229 22.8	15.7 23.5

Manual Integrations

APPROVED

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 29.069 ng

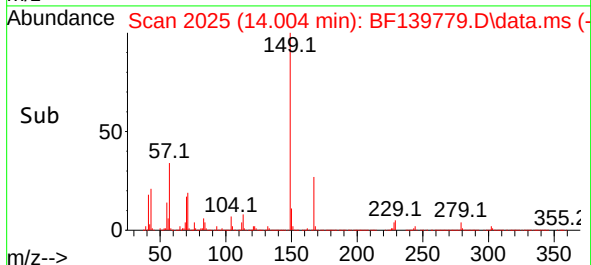
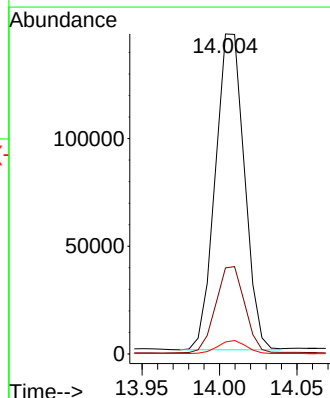
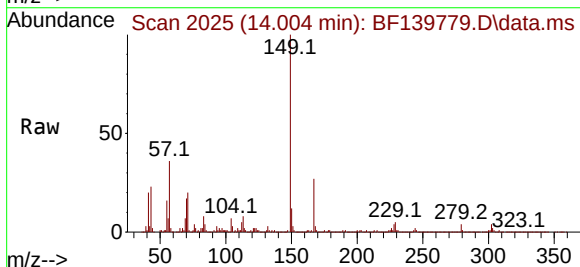
RT: 14.004 min Scan# 2025

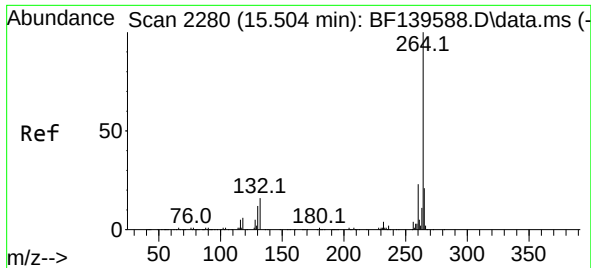
Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

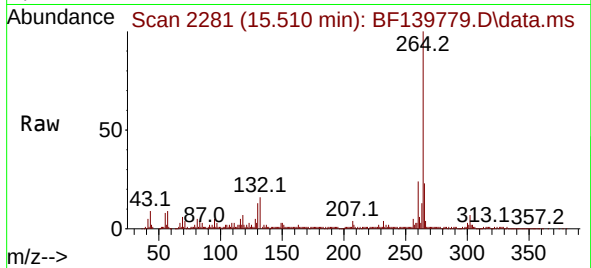
Tgt Ion:149	Resp: 192053
Ion Ratio	Lower Upper
149 100	
167 26.9	21.7 32.5
279 3.8	3.2 4.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

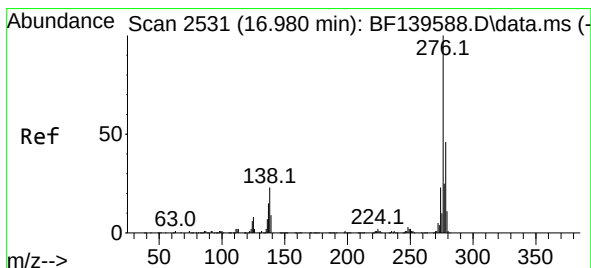
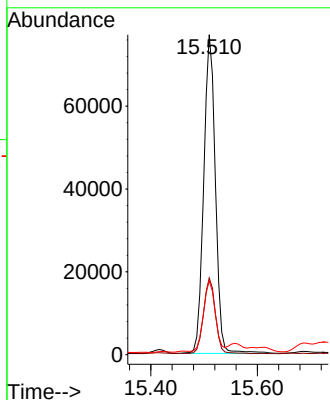
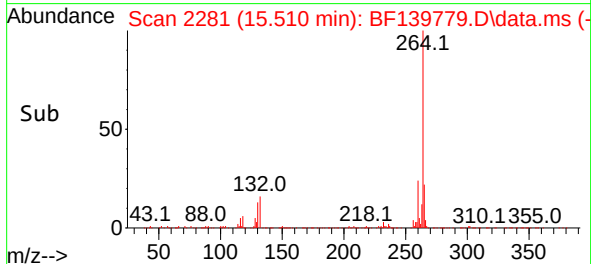
Instrument :
BNA_F
ClientSampleId :
SB-02-0.167-0.667



Tgt Ion:264 Resp: 11728
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 23.1 16.9 25.3

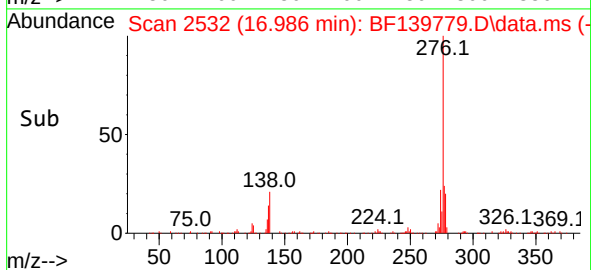
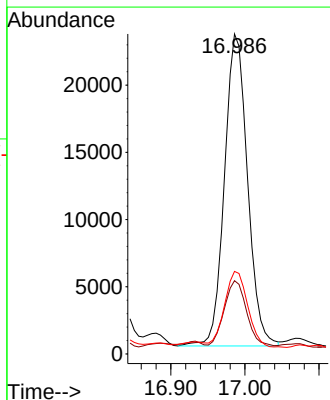
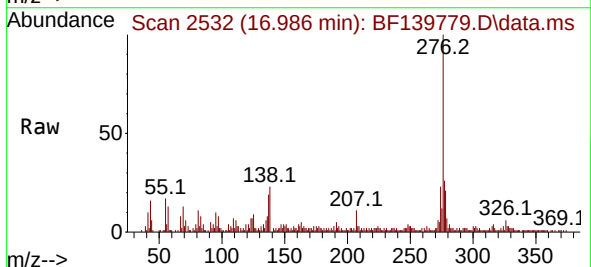
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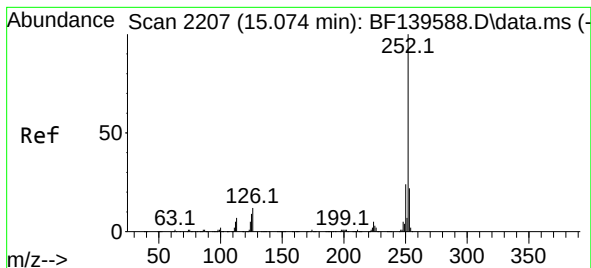
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.272 ng
RT: 16.986 min Scan# 2532
Delta R.T. 0.006 min
Lab File: BF139779.D
Acq: 11 Oct 2024 17:13

Tgt Ion:276 Resp: 50199
Ion Ratio Lower Upper
276 100
138 20.3 19.4 29.0
277 24.4 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 15.978 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF139779.D

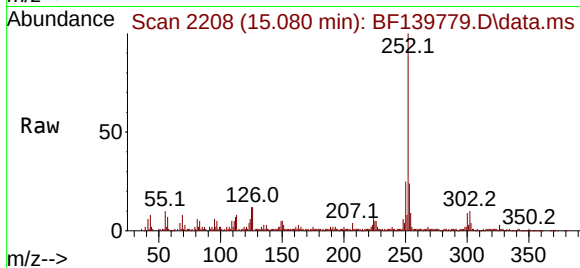
Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

SB-02-0.167-0.667



Tgt Ion:252 Resp: 12117

Ion Ratio Lower Upper

252 100

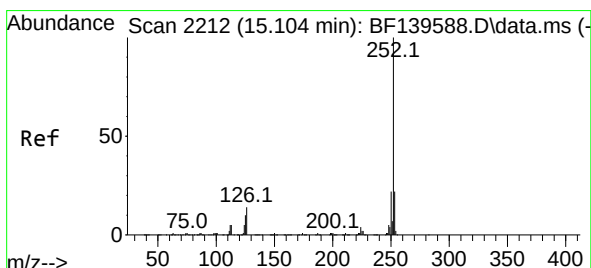
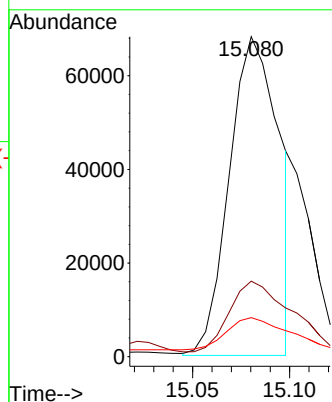
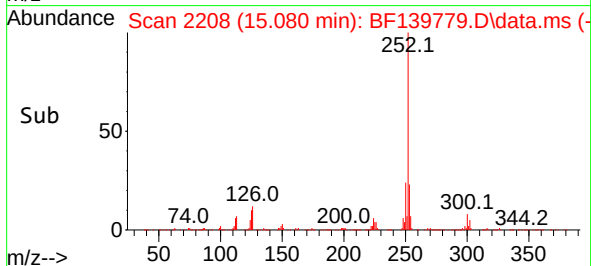
253 23.6 17.4 26.0

125 12.2 7.4 11.0

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 5.180 ng m

RT: 15.098 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

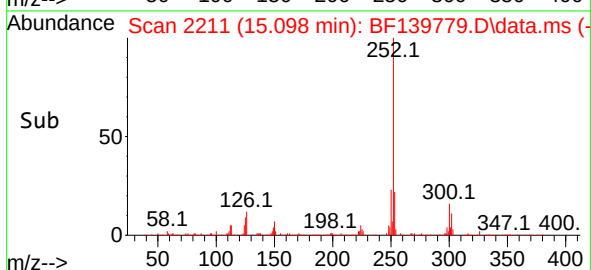
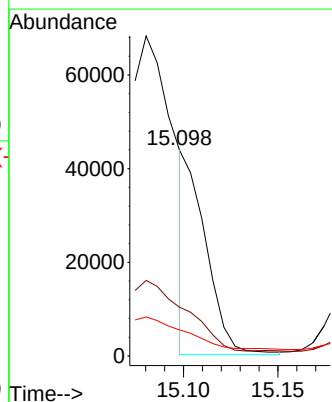
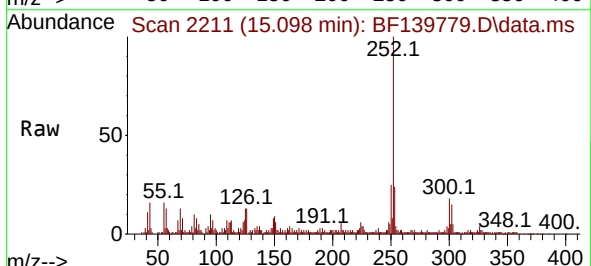
Tgt Ion:252 Resp: 33320

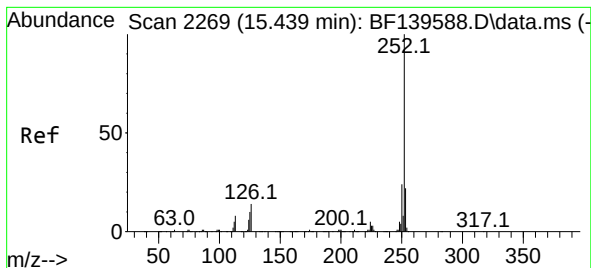
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 12.7 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 13.362 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

Instrument :

BNA_F

ClientSampleId :

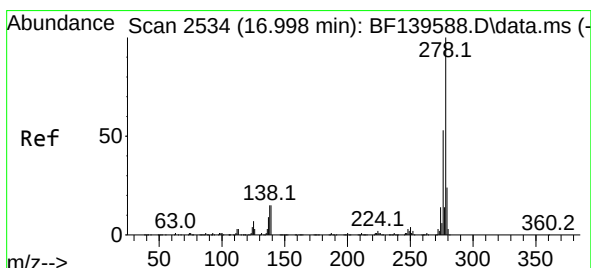
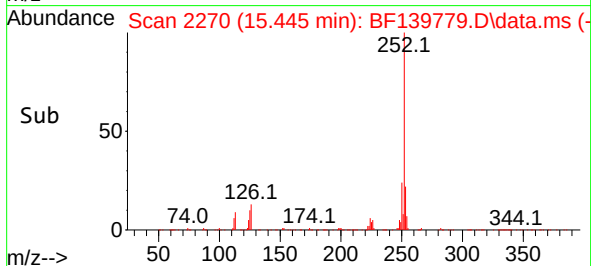
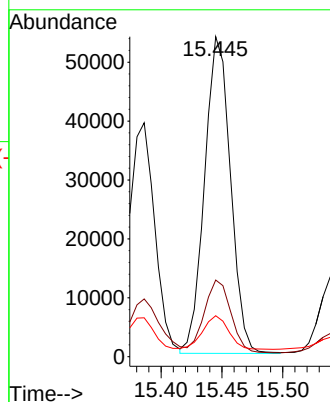
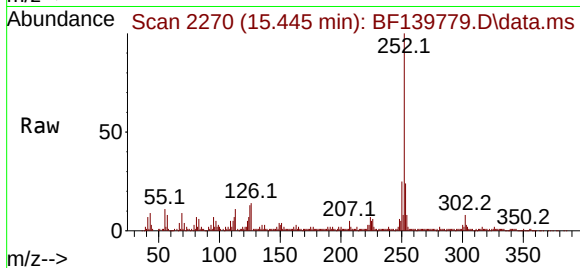
SB-02-0.167-0.667

Tgt Ion:	252	Resp:	79900
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.3	25.9
125	12.8	8.3	12.5

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 2.211 ng

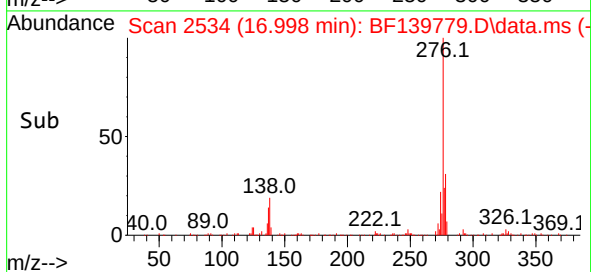
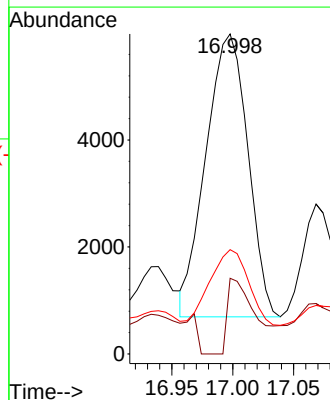
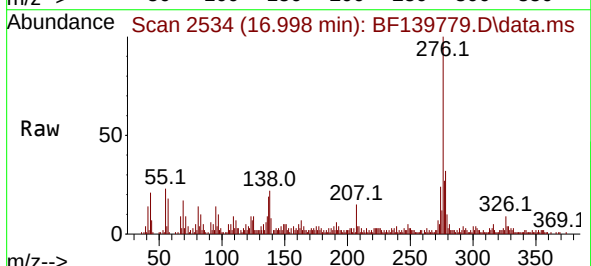
RT: 16.998 min Scan# 2534

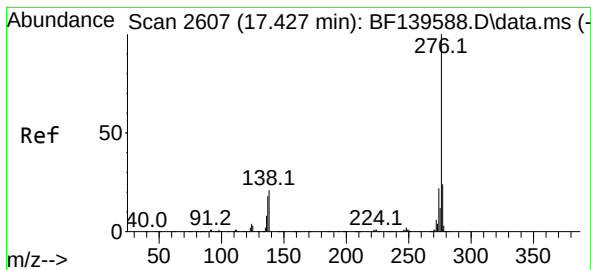
Delta R.T. -0.000 min

Lab File: BF139779.D

Acq: 11 Oct 2024 17:13

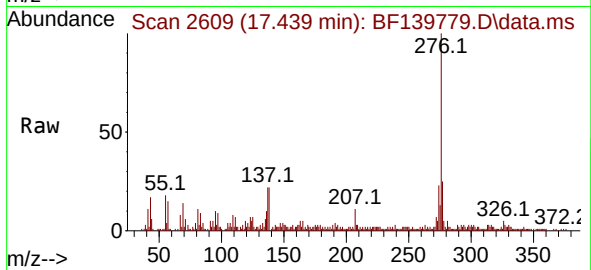
Tgt Ion:	278	Resp:	12660
Ion Ratio	Lower	Upper	
278	100		
139	23.6	12.2	18.4#
279	32.6	19.2	28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 9.220 ng
 RT: 17.439 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF139779.D
 Acq: 11 Oct 2024 17:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0.167-0.667



Tgt Ion:	276	Resp:	5294
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.0	28.6
138	22.3	17.0	25.6

Manual Integrations
 APPROVED

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

