

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139767.D
 Acq On : 11 Oct 2024 11:27
 Operator : RC/JU
 Sample : P4364-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-4.25-4.83

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 12:17:01 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	86873	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	320379	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	162543	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	228003	20.000	ng	0.00
76) Chrysene-d12	14.033	240	154064	20.000	ng	0.00
86) Perylene-d12	15.510	264	184386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	606736	121.053	ng	0.00
7) Phenol-d6	6.498	99	783809	116.287	ng	0.00
23) Nitrobenzene-d5	7.428	82	512041	80.919	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	144056	91.809	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	860917	81.312	ng	0.00
79) Terphenyl-d14	12.975	244	538586	57.361	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	106686	6.513	ng	99
37) 2-Methylnaphthalene	8.857	142	69594	6.523	ng	98
38) 1-Methylnaphthalene	8.957	142	62669	6.010	ng	96
52) Acenaphthene	9.934	154	30331	3.206	ng	96
55) Dibenzofuran	10.104	168	57374	4.331	ng	# 95
58) Fluorene	10.445	166	40657	3.853	ng	# 97
71) Phenanthrene	11.416	178	392764	36.534	ng	99
72) Anthracene	11.463	178	94191	8.856	ng	99
73) Carbazole	11.622	167	39605	3.877	ng	97
75) Fluoranthene	12.604	202	398177	33.882	ng	100
78) Pyrene	12.833	202	350984	25.472	ng	99
81) Benzo(a)anthracene	14.021	228	229670	22.674	ng	94
83) Chrysene	14.057	228	201595	21.769	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	105080	9.683	ng	96
88) Benzo(b)fluoranthene	15.080	252	295236m	24.764	ng	
89) Benzo(k)fluoranthene	15.092	252	102299m	10.115	ng	
90) Benzo(a)pyrene	15.445	252	198867	21.155	ng	97
91) Dibenzo(a,h)anthracene	16.986	278	29808	3.312	ng	# 77
92) Benzo(g,h,i)perylene	17.427	276	96452	10.684	ng	97

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

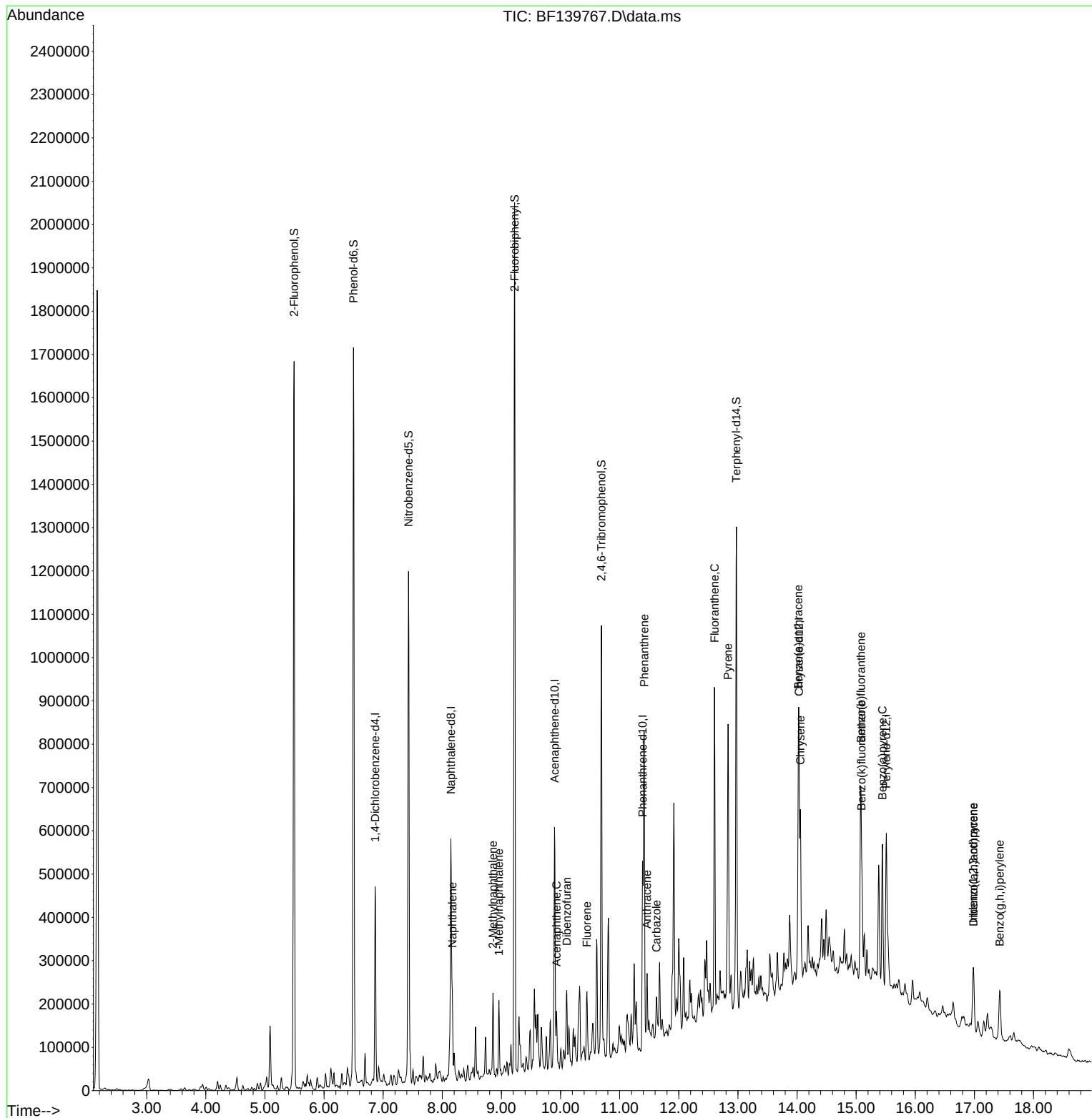
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139767.D
Acq On : 11 Oct 2024 11:27
Operator : RC/JU
Sample : P4364-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

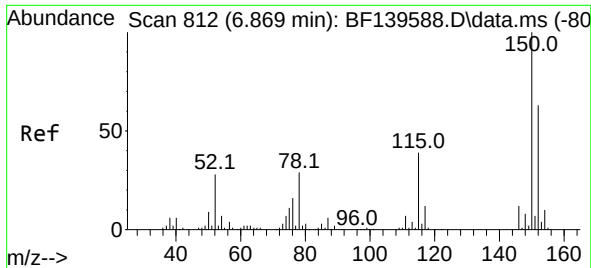
Instrument :
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SB-01-4.25-4.83

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Supervised By :mohammad ahmed 10/15/2024

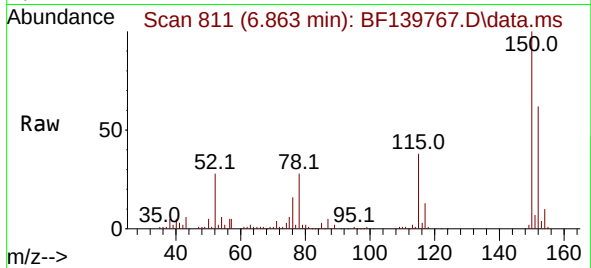
Quant Time: Oct 11 12:17:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

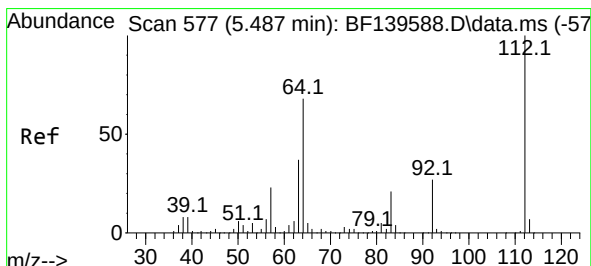
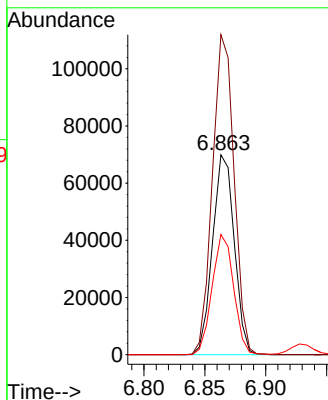
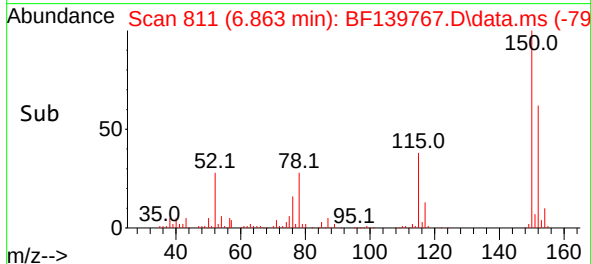
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



Tgt Ion:152 Resp: 8687
Ion Ratio Lower Upper
152 100
150 160.1 127.2 190.8
115 60.1 49.0 73.4

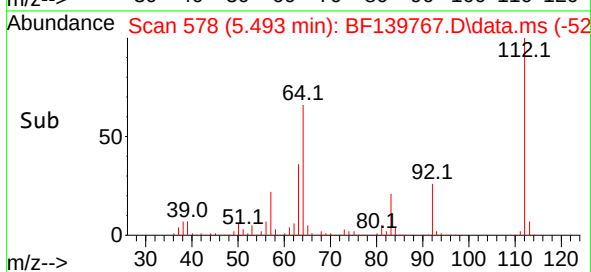
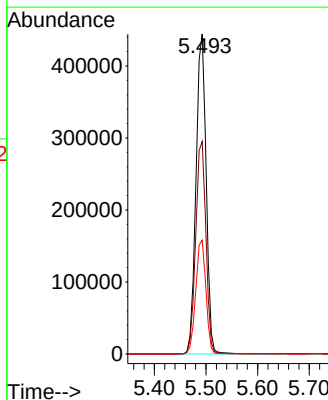
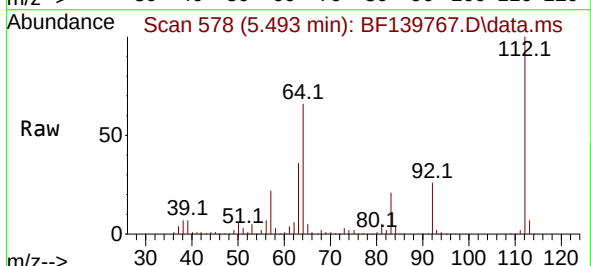
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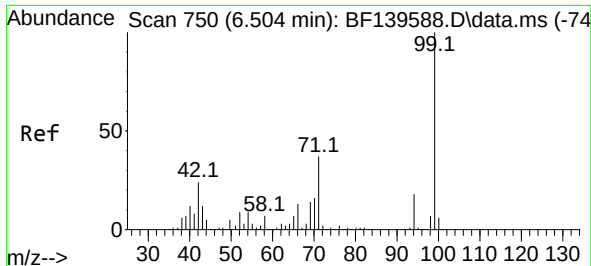
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 121.053 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

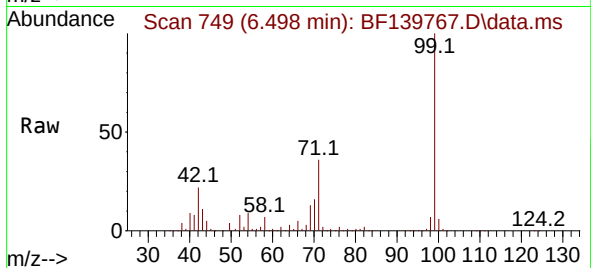
Tgt Ion:112 Resp: 606736
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 35.6 29.4 44.2





#7
Phenol-d6
Concen: 116.287 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

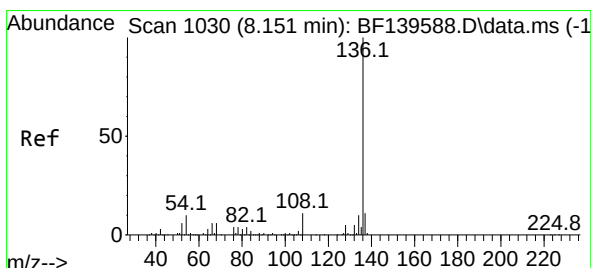
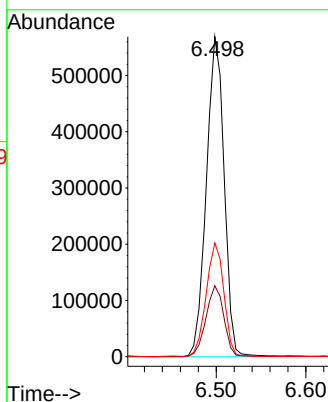
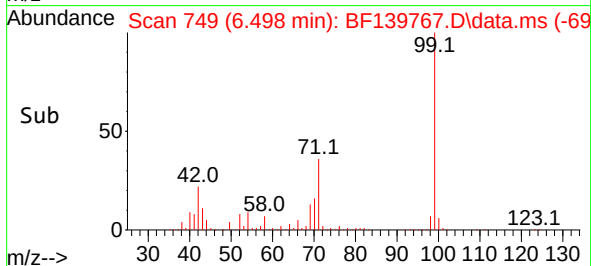
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



Tgt Ion: 99 Resp: 783809
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 35.6 29.7 44.5

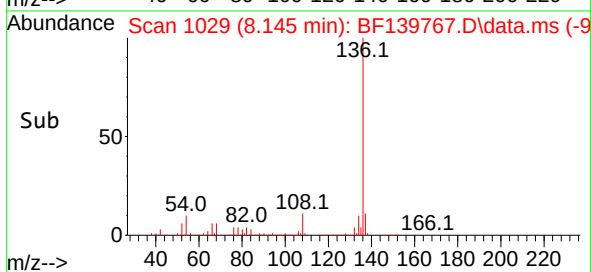
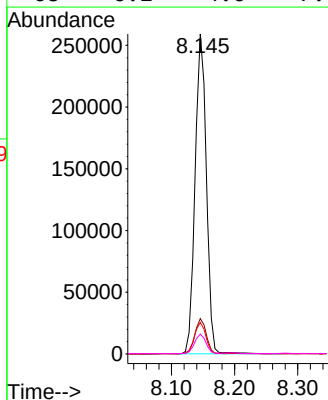
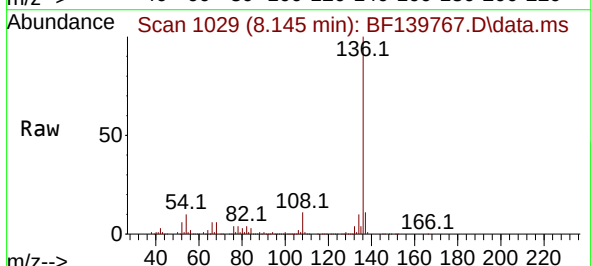
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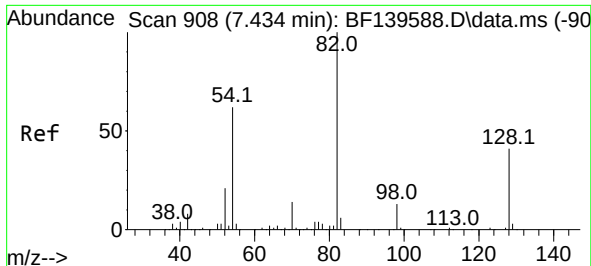
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:136 Resp: 320379
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.9 8.3 12.5
68 6.2 4.6 7.0





#23

Nitrobenzene-d5

Concen: 80.919 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

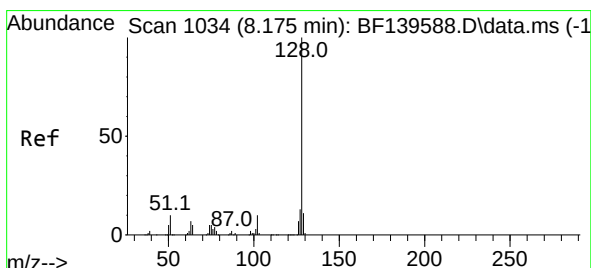
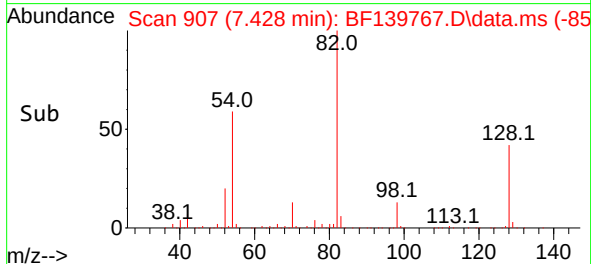
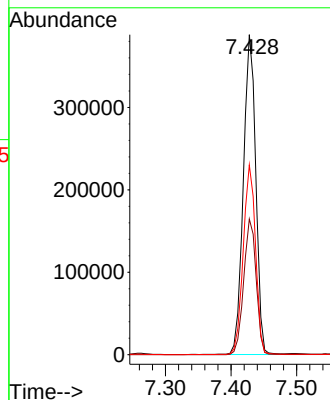
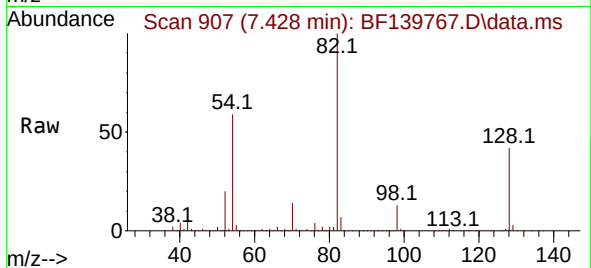
Tgt Ion: 82 Resp: 51204

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.4	48.6
54	59.3	49.1	73.7

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#31

Naphthalene

Concen: 6.513 ng

RT: 8.169 min Scan# 1033

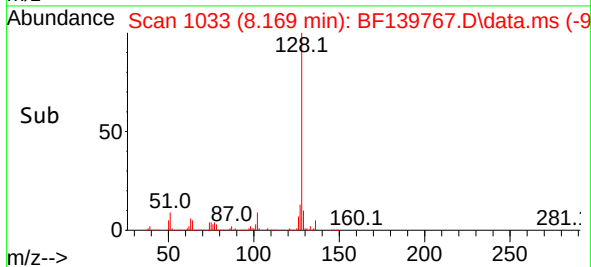
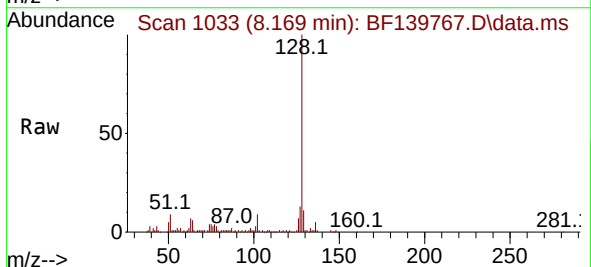
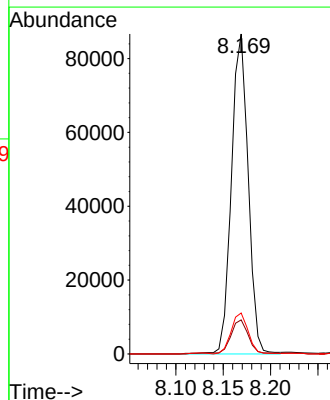
Delta R.T. -0.006 min

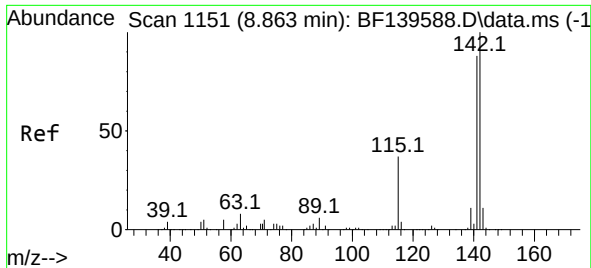
Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Tgt Ion:128 Resp: 106686

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.8	10.5	15.7





#37

2-Methylnaphthalene

Concen: 6.523 ng

RT: 8.857 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

Tgt Ion:142 Resp: 69594

Ion Ratio Lower Upper

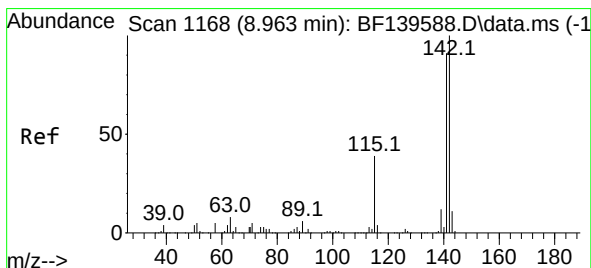
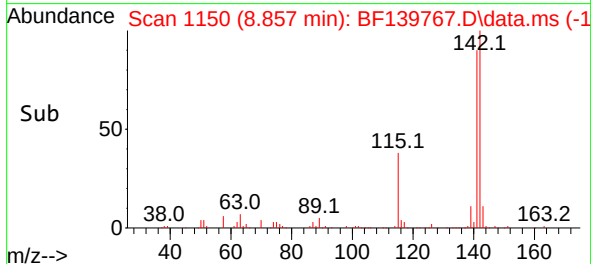
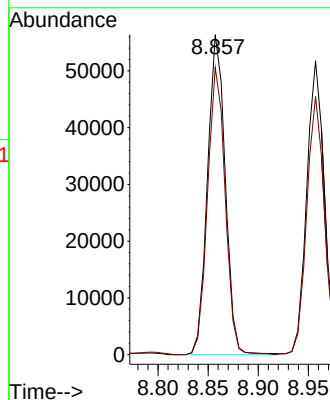
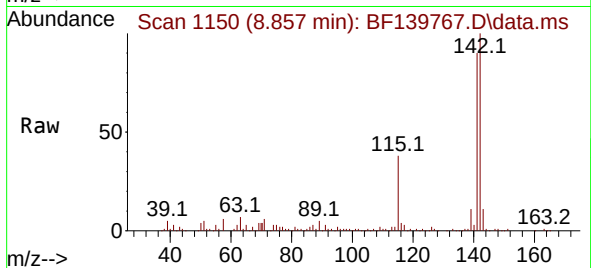
142 100

141 89.8 70.4 105.6

Manual Integrations

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



#38

1-Methylnaphthalene

Concen: 6.010 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF139767.D

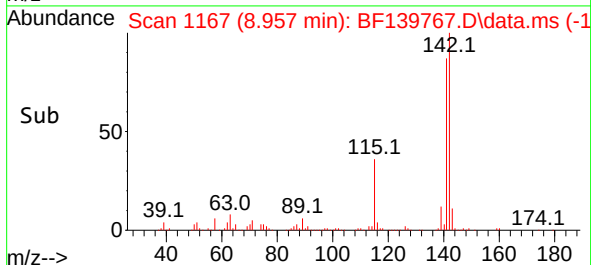
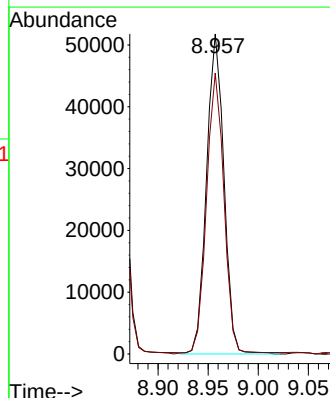
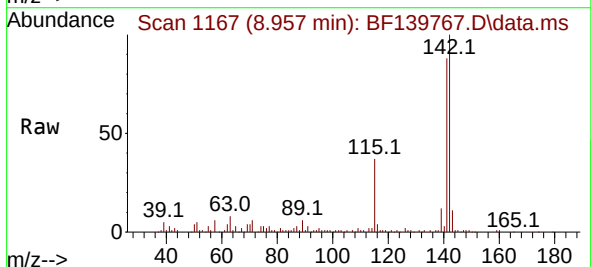
Acq: 11 Oct 2024 11:27

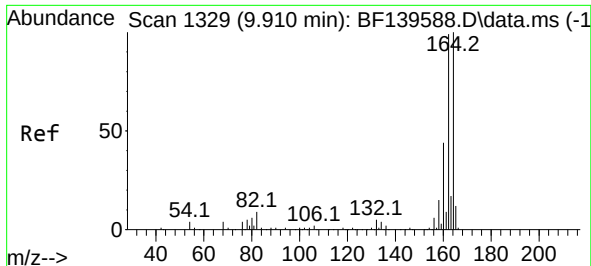
Tgt Ion:142 Resp: 62669

Ion Ratio Lower Upper

142 100

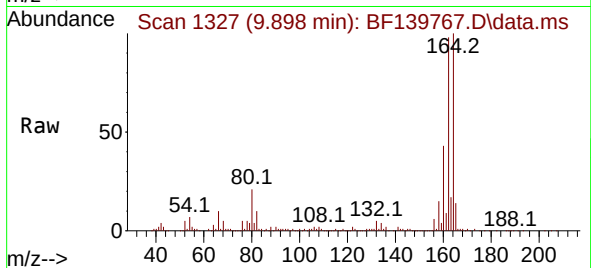
141 87.8 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

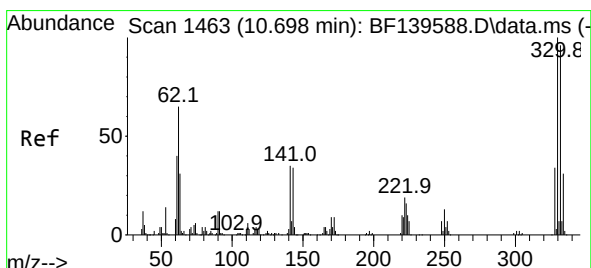
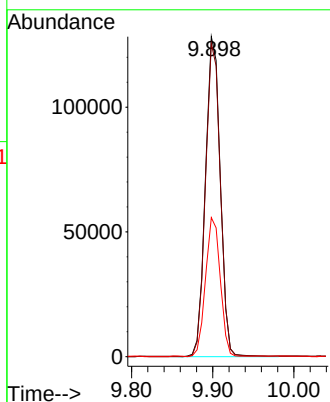
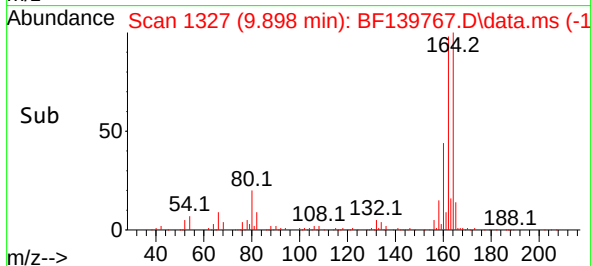
Instrument :
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ClientSampleId :
SB-01-4.25-4.83



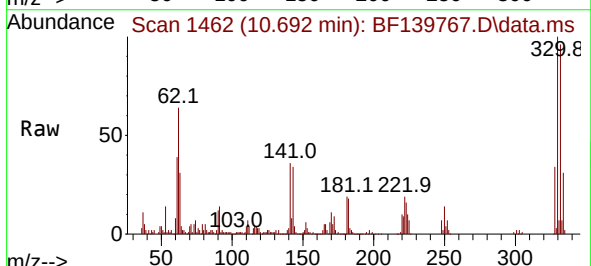
Tgt Ion:164 Resp: 16254
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 43.5 35.1 52.7

Manual Integrations
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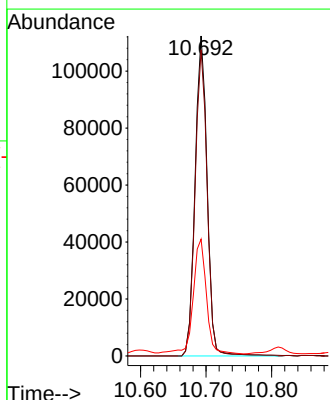
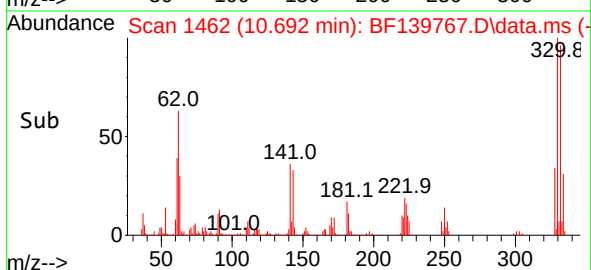
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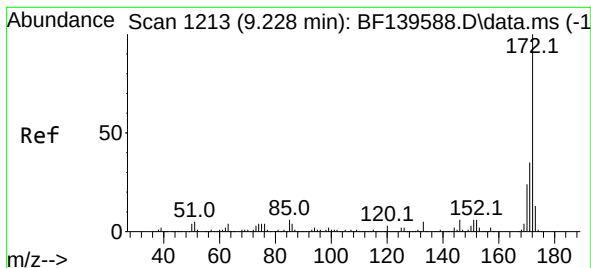


#42
2,4,6-Tribromophenol
Concen: 91.809 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27



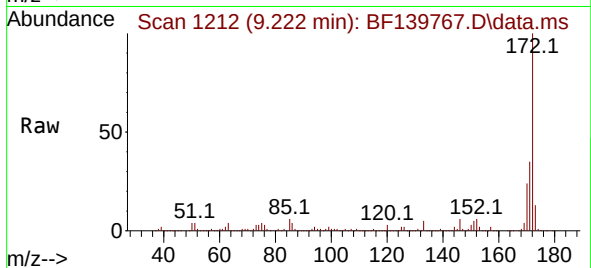
Tgt Ion:330 Resp: 144056
Ion Ratio Lower Upper
330 100
332 96.3 76.5 114.7
141 39.1 29.3 43.9





#45
2-Fluorobiphenyl
Concen: 81.312 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

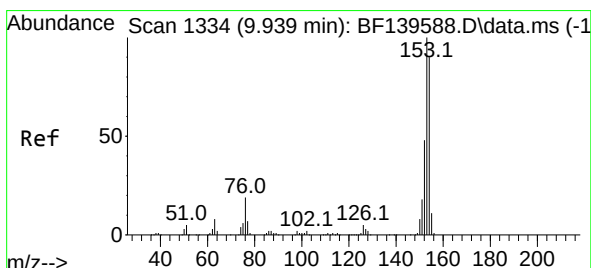
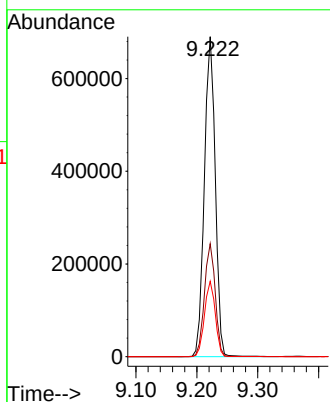
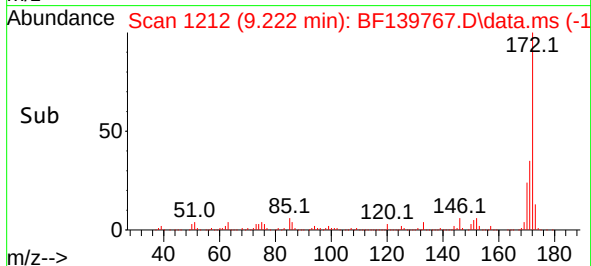
Instrument :
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SB-01-4.25-4.83



Tgt Ion:172 Resp: 86091
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.5 18.8 28.2

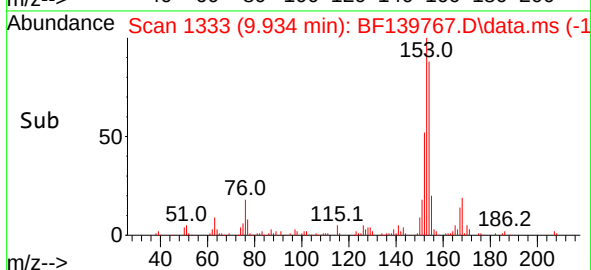
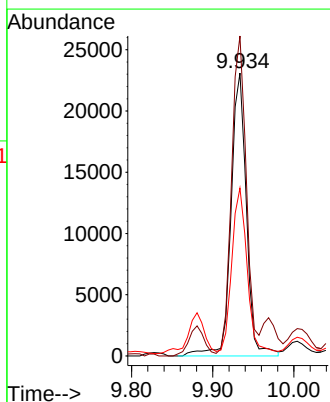
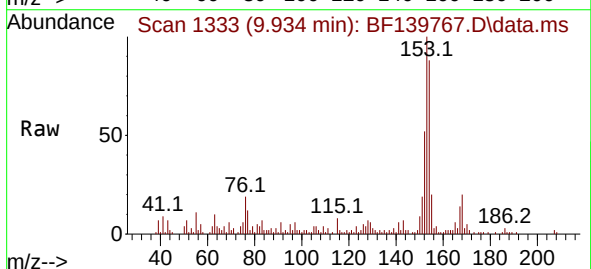
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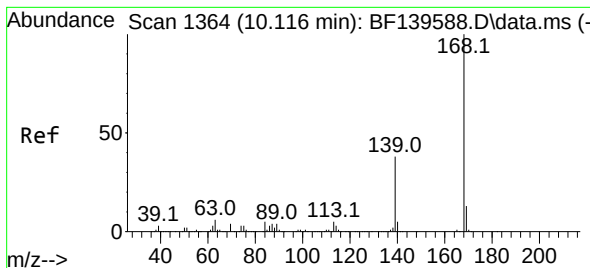
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#52
Acenaphthene
Concen: 3.206 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

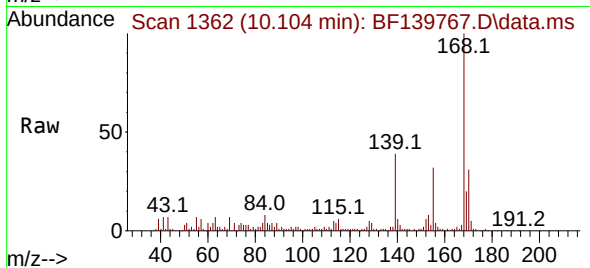
Tgt Ion:154 Resp: 30331
Ion Ratio Lower Upper
154 100
153 113.1 88.8 133.2
152 59.3 42.5 63.7





#55
Dibenzenofuran
Concen: 4.331 ng
RT: 10.104 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

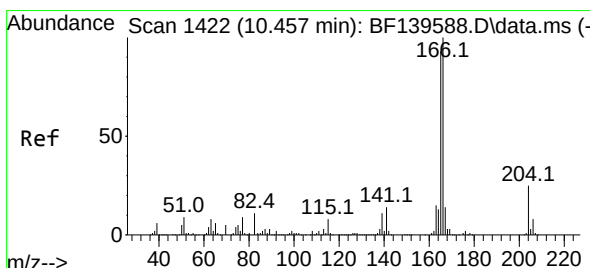
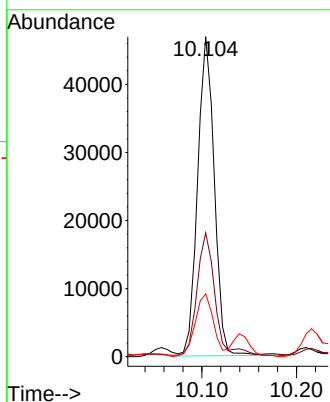
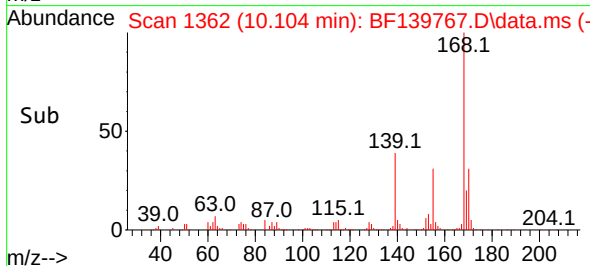
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



Tgt Ion:168 Resp: 57374
Ion Ratio Lower Upper
168 100
139 38.7 30.4 45.6
169 19.7 10.7 16.1

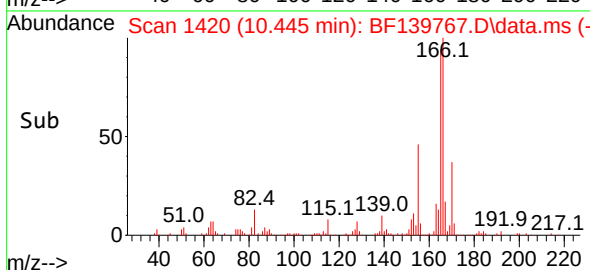
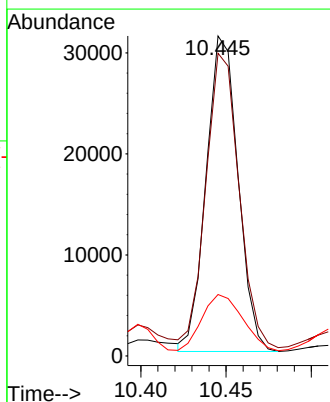
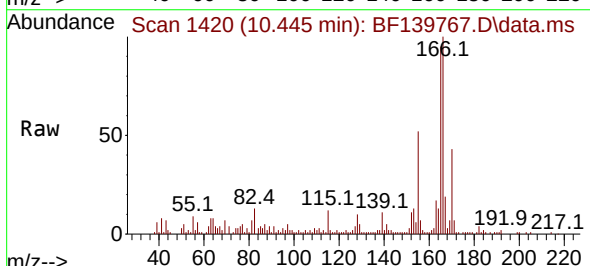
Manual Integrations
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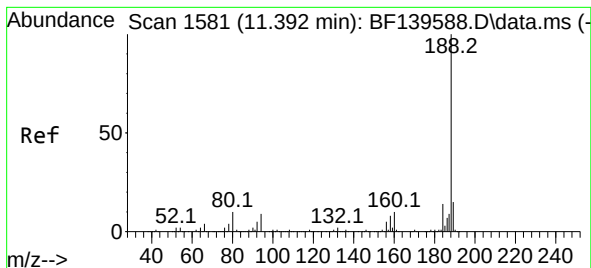
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#58
Fluorene
Concen: 3.853 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:166 Resp: 40657
Ion Ratio Lower Upper
166 100
165 94.6 74.4 111.6
167 19.2 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

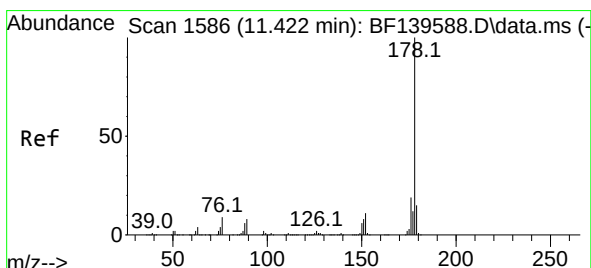
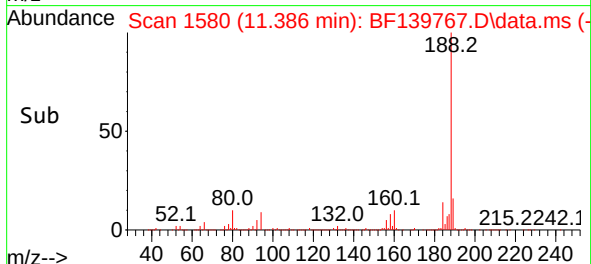
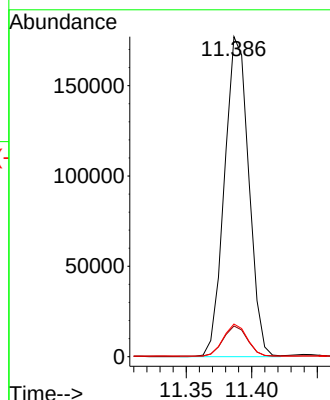
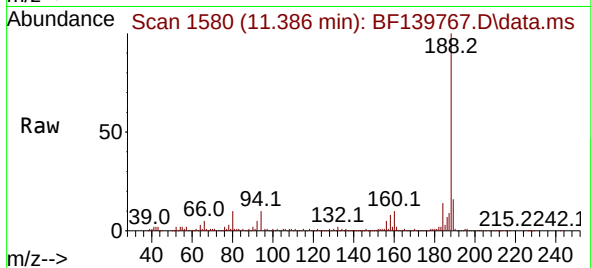
SB-01-4.25-4.83

Tgt Ion:188 Resp: 228000
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.4 11.2
 80 10.2 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: 36.534 ng

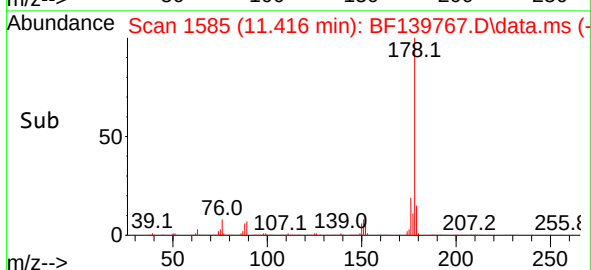
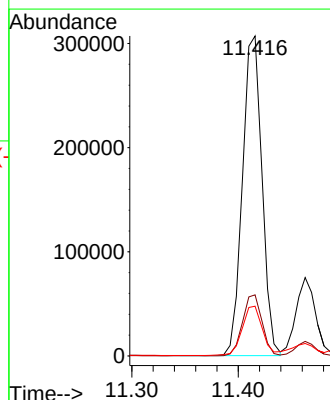
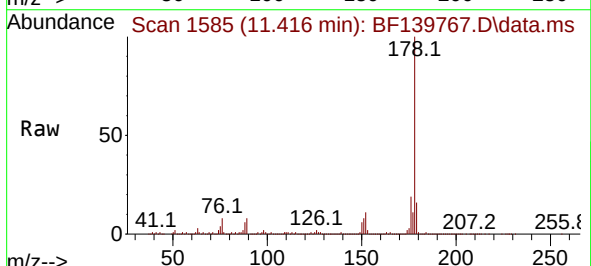
RT: 11.416 min Scan# 1585

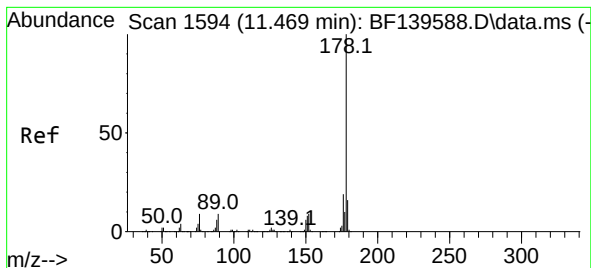
Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Tgt Ion:178 Resp: 392764
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.5 12.3 18.5





#72

Anthracene

Concen: 8.856 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

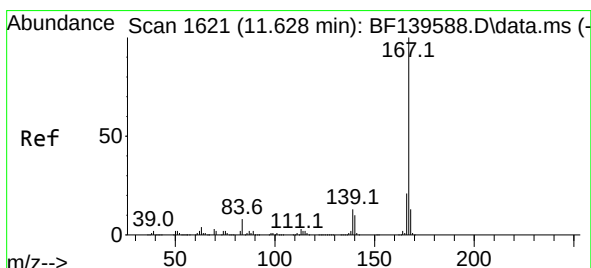
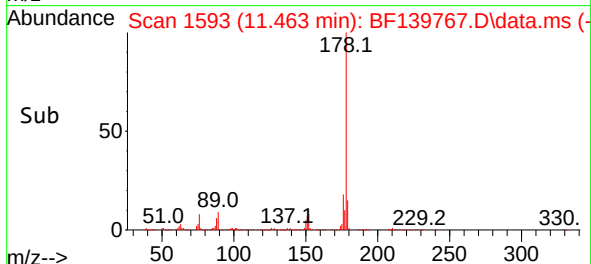
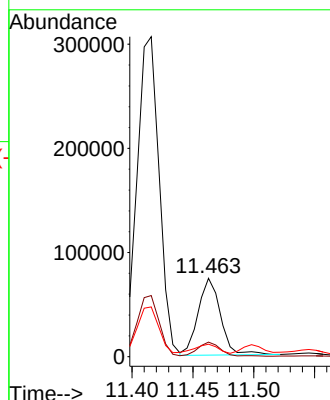
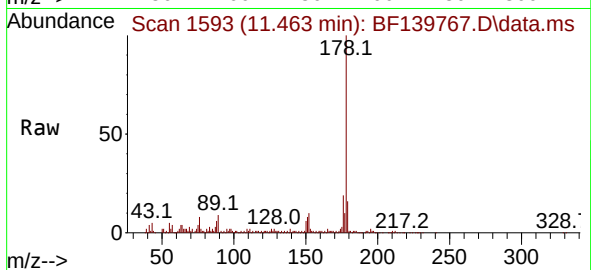
Tgt Ion:178 Resp: 9419

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	16.0	12.5	18.7

Manual Integrations

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



#73

Carbazole

Concen: 3.877 ng

RT: 11.622 min Scan# 1620

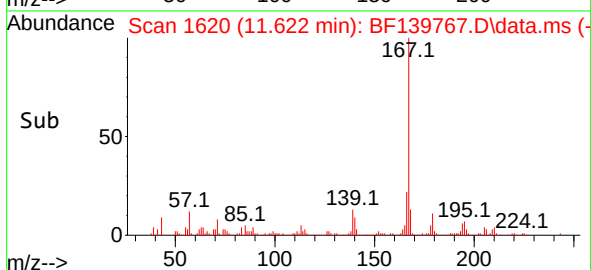
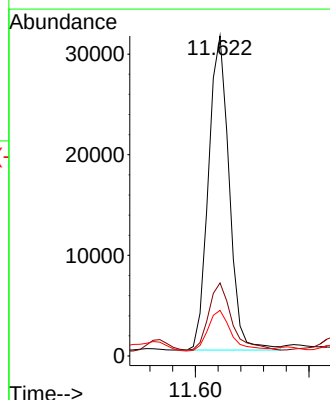
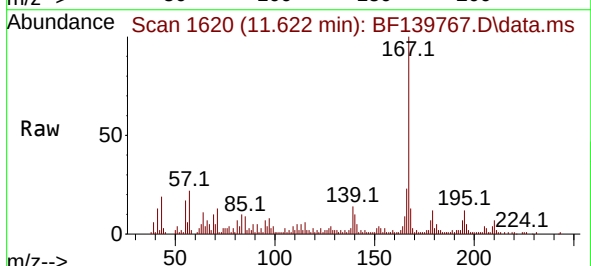
Delta R.T. -0.006 min

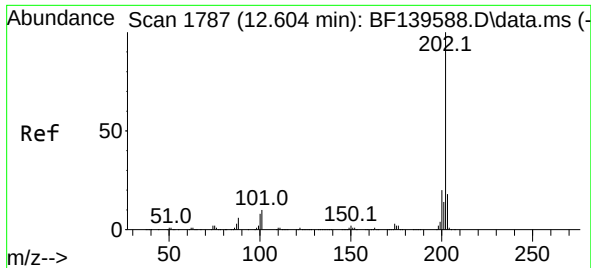
Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Tgt Ion:167 Resp: 39605

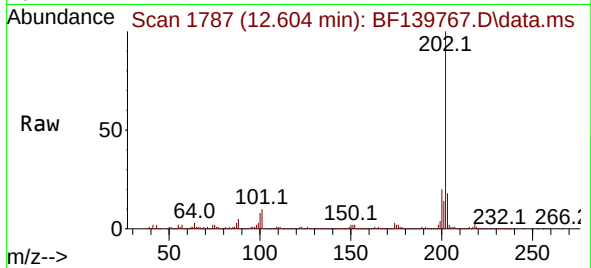
Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.2	25.8
139	14.2	10.3	15.5





#75
Fluoranthene
Concen: 33.882 ng
RT: 12.604 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

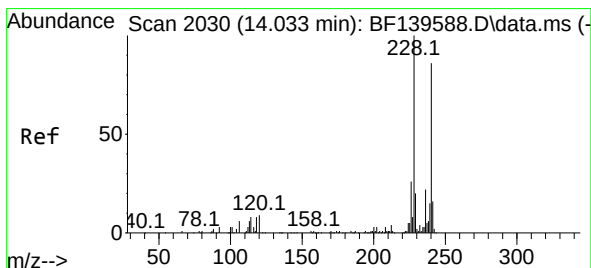
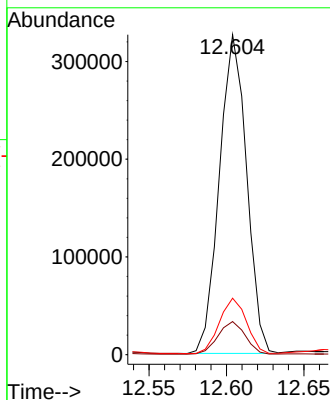
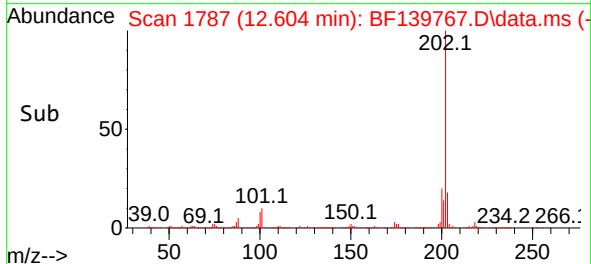
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



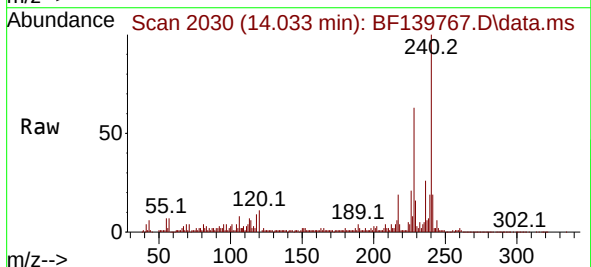
Tgt Ion:202 Resp: 39817
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.2
203 17.6 0.0 37.7

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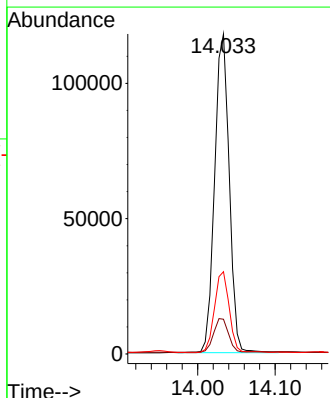
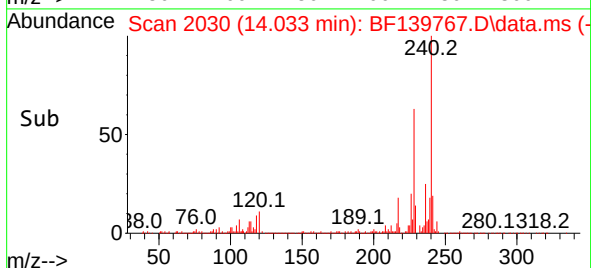
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

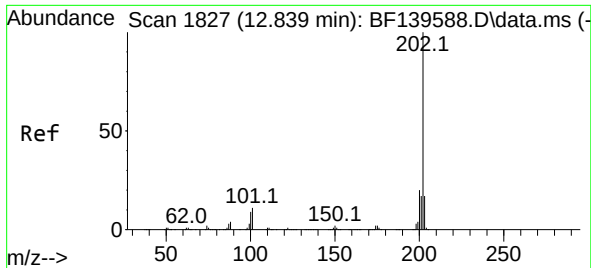


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27



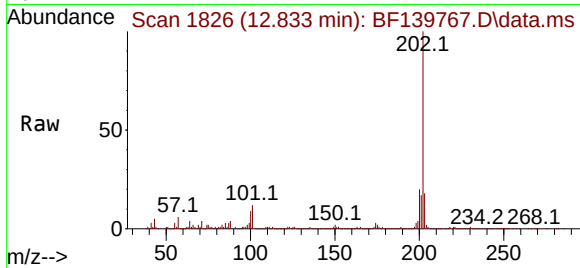
Tgt Ion:240 Resp: 154064
Ion Ratio Lower Upper
240 100
120 10.9 8.4 12.6
236 25.7 20.3 30.5





#78
Pyrene
Concen: 25.472 ng
RT: 12.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

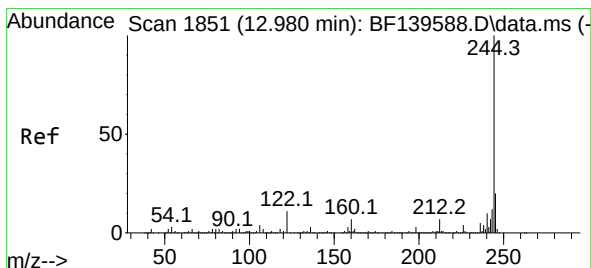
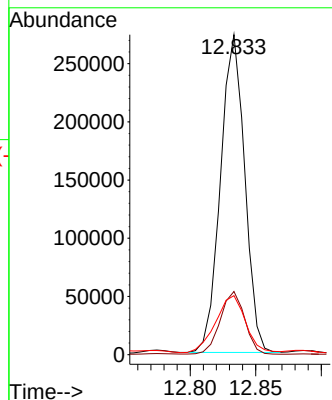
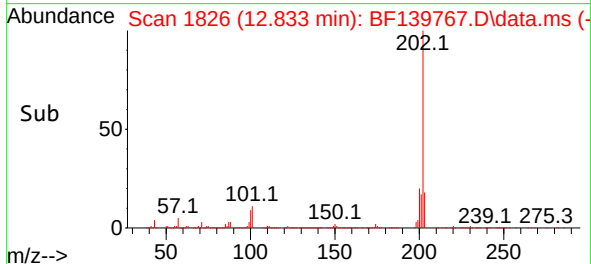
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



Tgt Ion:202 Resp: 350984
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.6
203 18.4 13.8 20.8

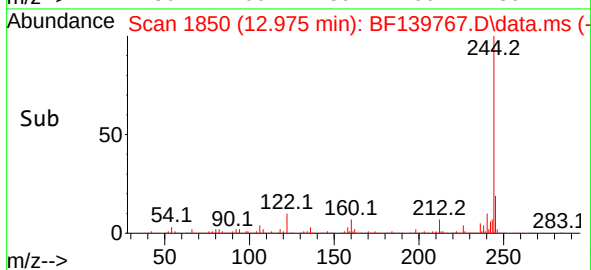
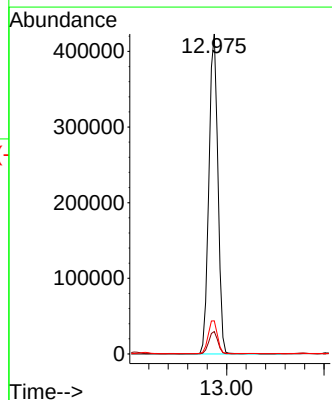
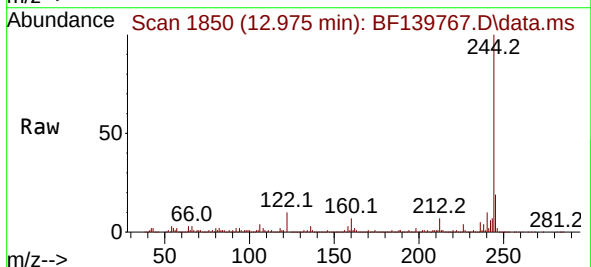
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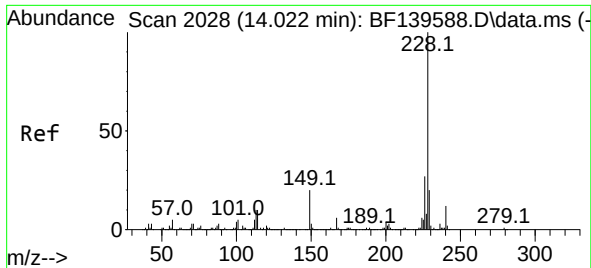
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#79
Terphenyl-d14
Concen: 57.361 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.005 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:244 Resp: 538586
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.4 8.6 12.8





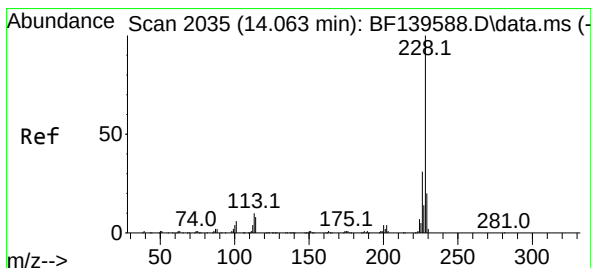
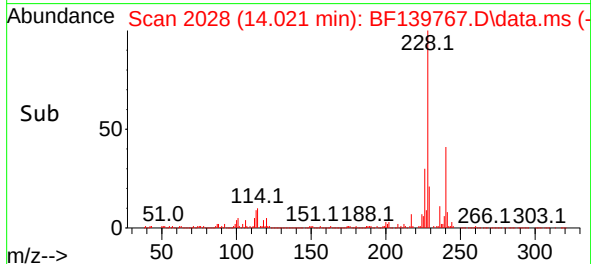
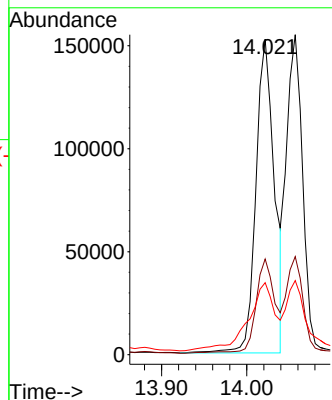
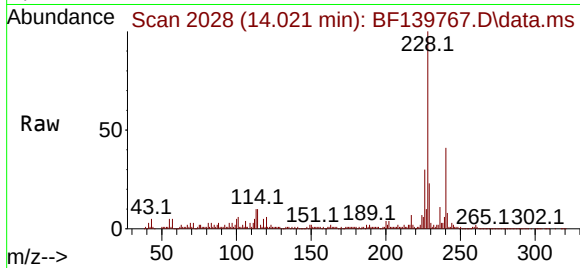
#81
Benzo(a)anthracene
Concen: 22.674 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83

Tgt Ion:228 Resp: 229670
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.8
229 22.8 15.8 23.8

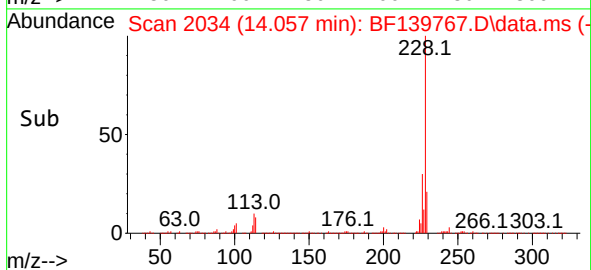
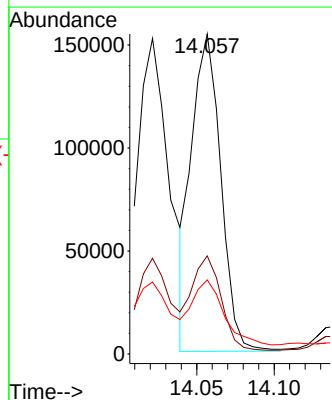
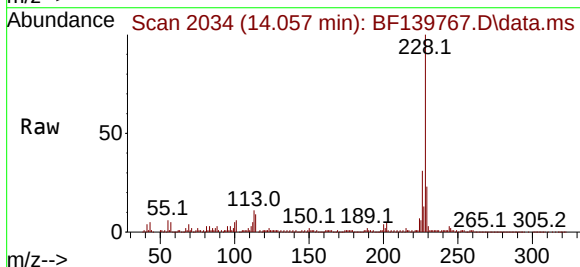
Manual Integrations
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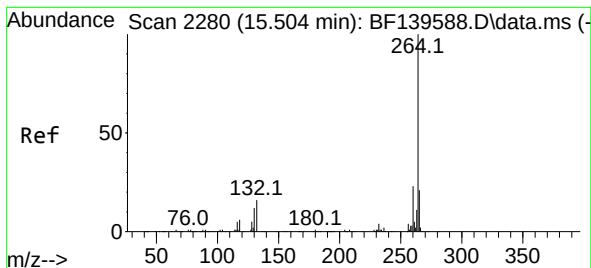
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 21.769 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:228 Resp: 201595
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 23.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

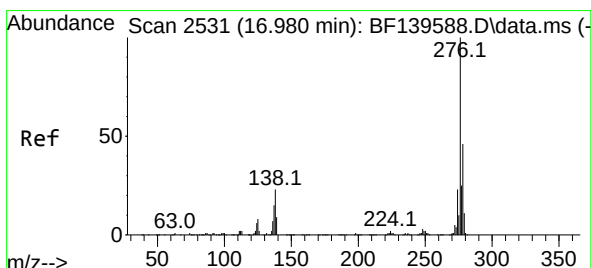
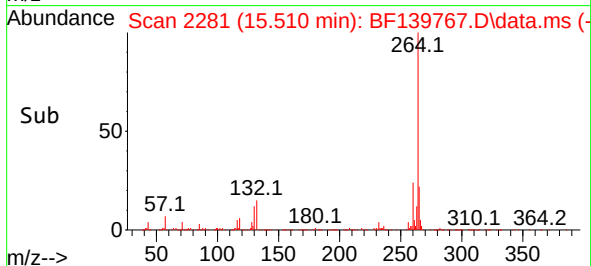
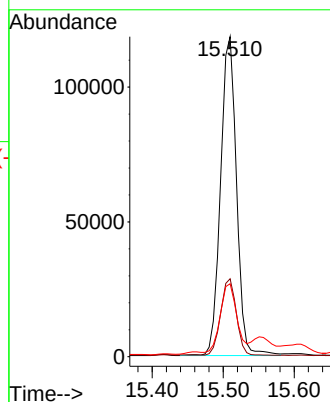
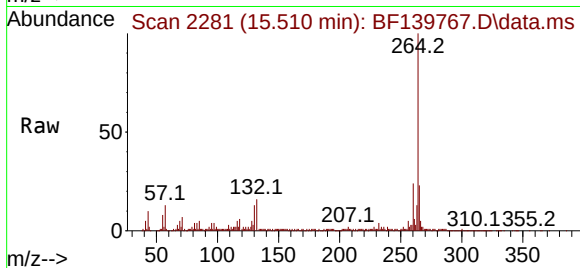
SB-01-4.25-4.83

Tgt Ion:	264	Resp:	184380
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.7	28.1
265	22.8	16.9	25.3

Manual Integrations

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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: 9.683 ng

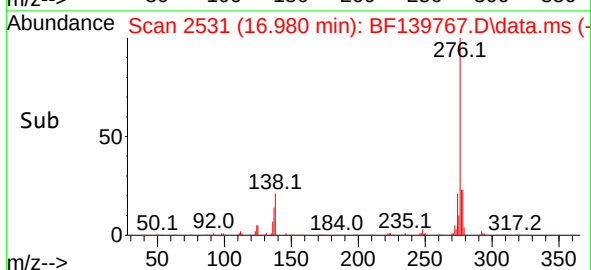
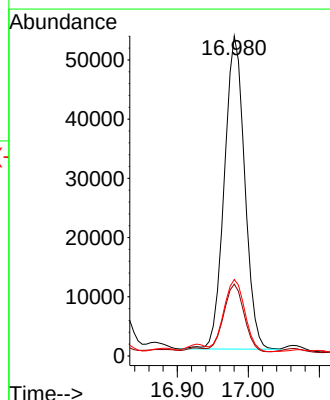
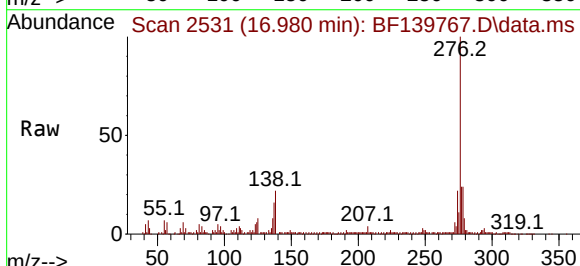
RT: 16.980 min Scan# 2531

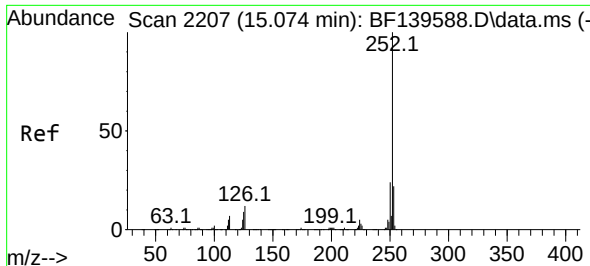
Delta R.T. 0.000 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

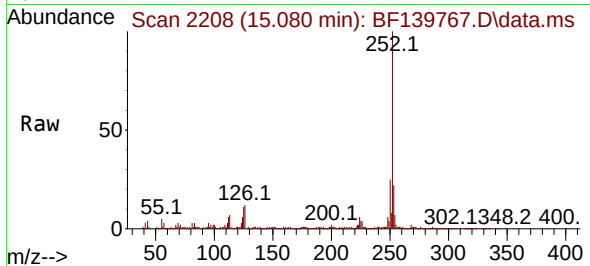
Tgt Ion:	276	Resp:	105080
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.4	29.0
277	23.8	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 24.764 ng m
RT: 15.080 min Scan# 2110
Delta R.T. 0.006 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

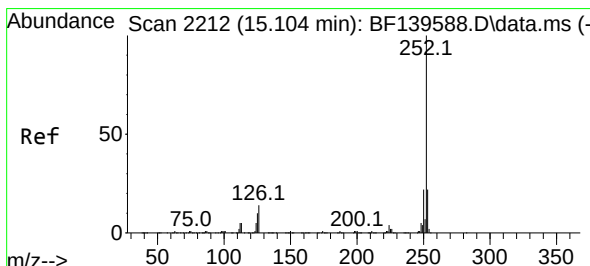
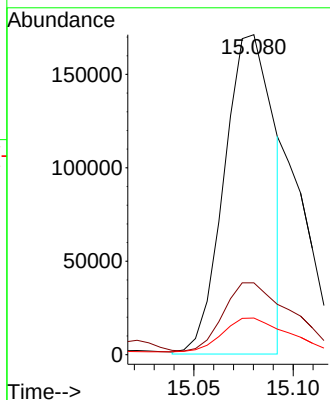
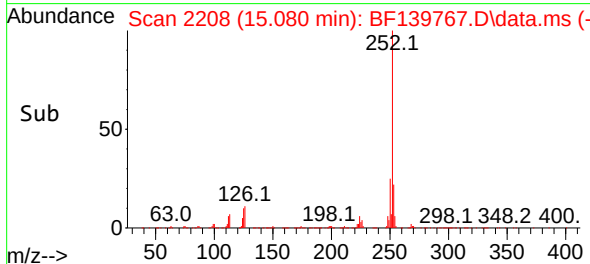
Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



Tgt Ion:252 Resp: 295230
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 11.5 7.4 11.0

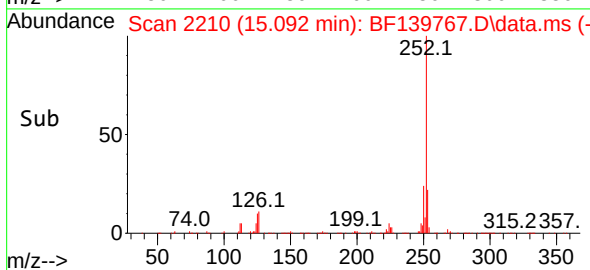
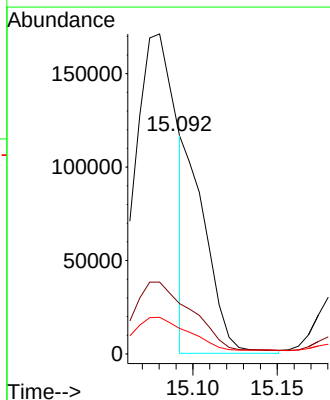
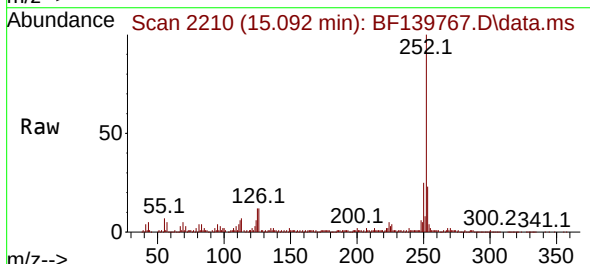
Manual Integrations
APPROVED

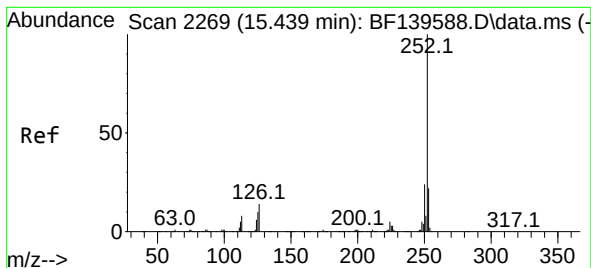
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#89
Benzo(k)fluoranthene
Concen: 10.115 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.012 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Tgt Ion:252 Resp: 102299
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.7 7.6 11.4





#90

Benzo(a)pyrene

Concen: 21.155 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

Instrument :

BNA_F

ClientSampleId :

SB-01-4.25-4.83

Tgt Ion:252 Resp: 19886

Ion Ratio Lower Upper

252 100

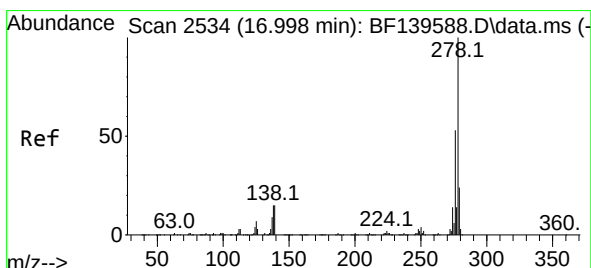
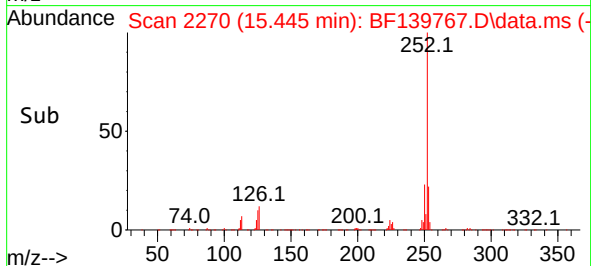
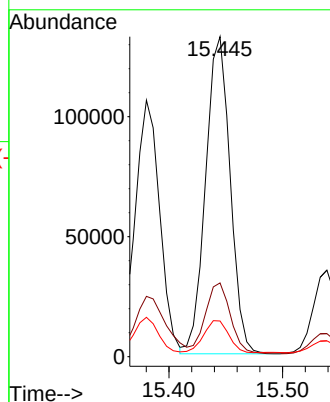
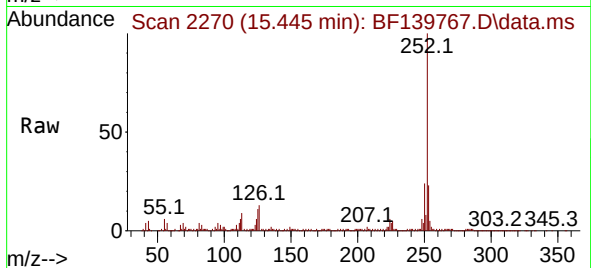
253 23.0 17.3 25.9

125 11.1 8.3 12.5

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 3.312 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.012 min

Lab File: BF139767.D

Acq: 11 Oct 2024 11:27

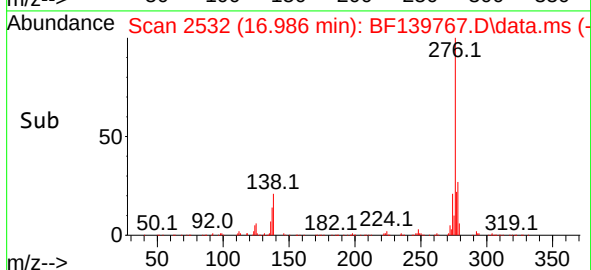
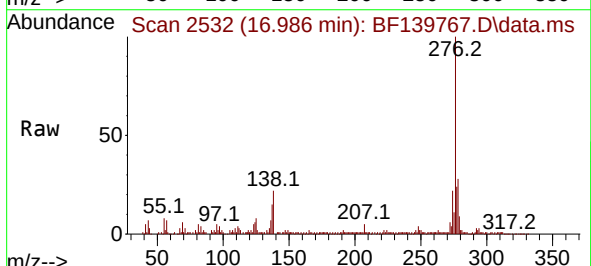
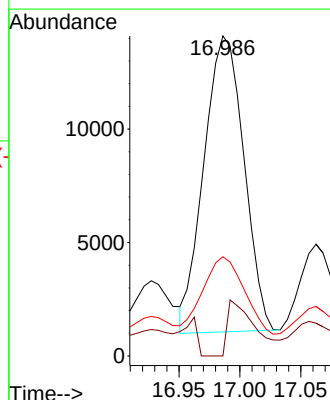
Tgt Ion:278 Resp: 29808

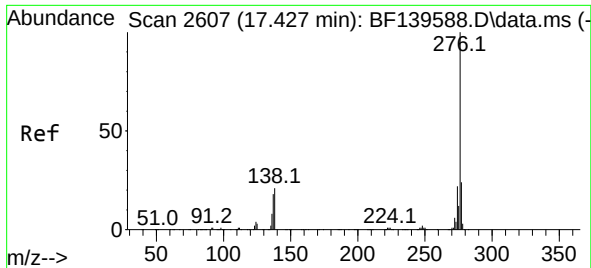
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

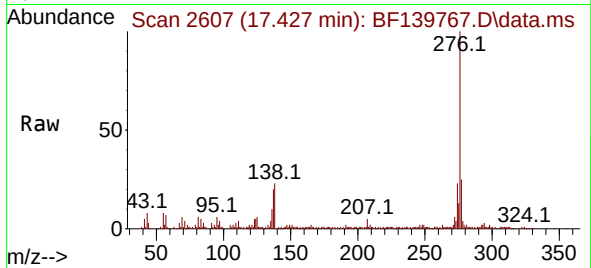
279 31.0 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 10.684 ng
RT: 17.427 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF139767.D
Acq: 11 Oct 2024 11:27

Instrument :
BNA_F
ClientSampleId :
SB-01-4.25-4.83



Tgt Ion:276 Resp: 96452
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 23.0 17.0 25.6

Manual Integrations
APPROVED

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

