

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139776.D
 Acq On : 11 Oct 2024 15:47
 Operator : RC/JU
 Sample : P4364-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0.167-0.667

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 16:20:03 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	69314	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	224988	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	106315	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	194324	20.000	ng	0.00
76) Chrysene-d12	14.039	240	151890	20.000	ng	0.00
86) Perylene-d12	15.510	264	113208	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	310905	77.744	ng	0.00
7) Phenol-d6	6.504	99	372020	69.176	ng	0.00
23) Nitrobenzene-d5	7.428	82	235160	52.919	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	73078	71.205	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	387585	55.967	ng	0.00
79) Terphenyl-d14	12.974	244	421984	45.586	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.169	128	38445	3.342	ng	99
49) Acenaphthylene	9.763	152	47412	5.259	ng	97
52) Acenaphthene	9.933	154	17284	2.793	ng	99
55) Dibenzofuran	10.104	168	18053	2.083	ng	# 97
58) Fluorene	10.451	166	26553	3.847	ng	99
71) Phenanthrene	11.416	178	362815	39.598	ng	100
72) Anthracene	11.463	178	102558	11.314	ng	98
73) Carbazole	11.622	167	39054	4.486	ng	98
74) Di-n-butylphthalate	11.945	149	114706	10.835	ng	100
75) Fluoranthene	12.610	202	738420	73.724	ng	99
78) Pyrene	12.839	202	716081	52.711	ng	98
81) Benzo(a)anthracene	14.027	228	415981	41.656	ng	95
83) Chrysene	14.063	228	314774	34.477	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	93413	15.395	ng	100
87) Indeno(1,2,3-cd)pyrene	16.992	276	136735	20.521	ng	95
88) Benzo(b)fluoranthene	15.086	252	340849m	46.565	ng	
89) Benzo(k)fluoranthene	15.098	252	116072m	18.694	ng	
90) Benzo(a)pyrene	15.451	252	233458	40.449	ng	98
91) Dibenzo(a,h)anthracene	16.998	278	34241	6.196	ng	# 78
92) Benzo(g,h,i)perylene	17.439	276	136238	24.580	ng	100

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

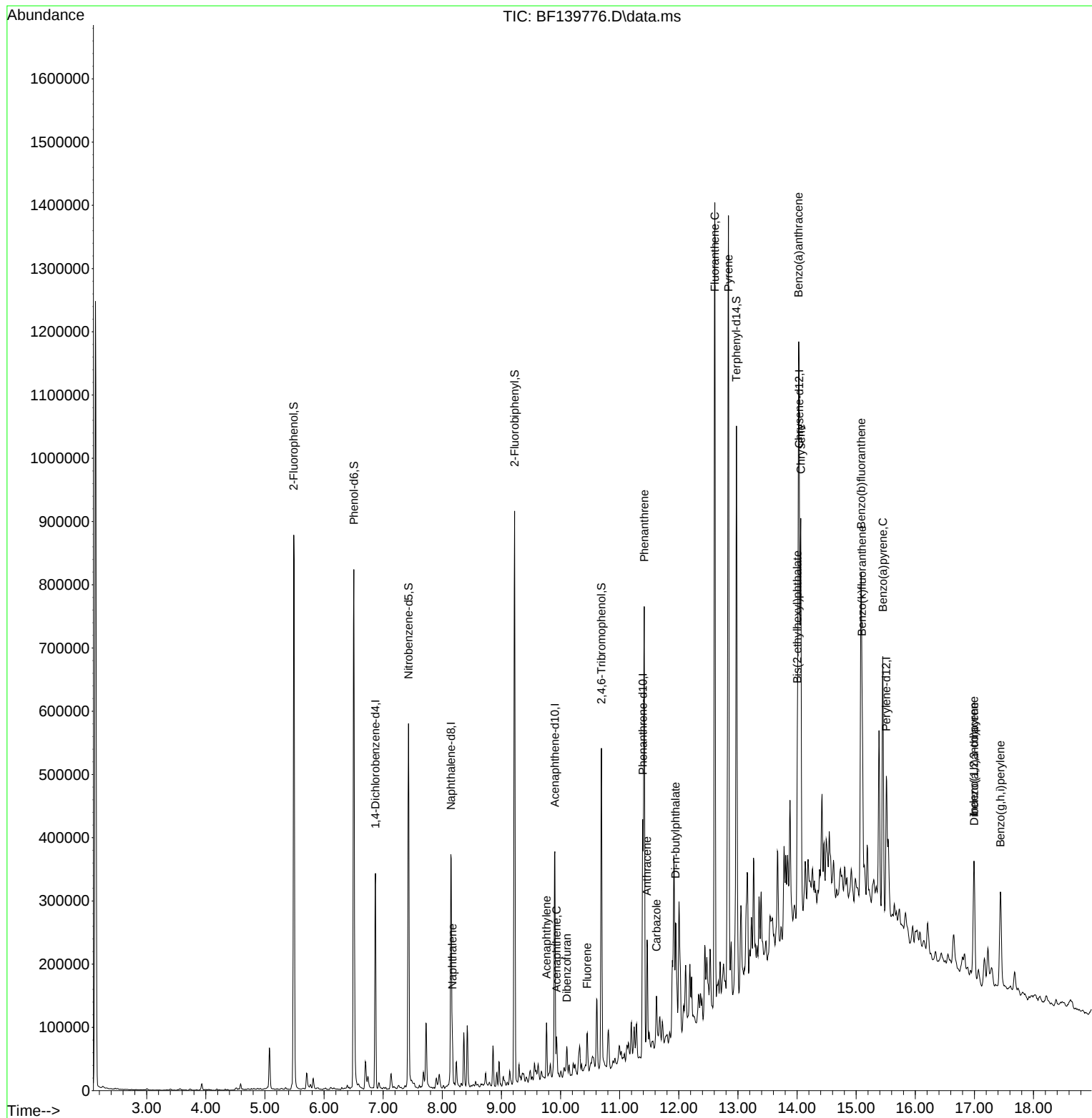
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139776.D
Acq On : 11 Oct 2024 15:47
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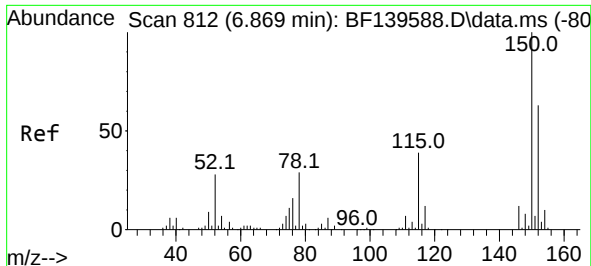
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667

Quant Time: Oct 11 16:20:03 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

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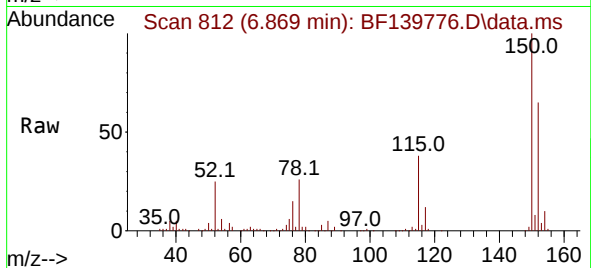
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

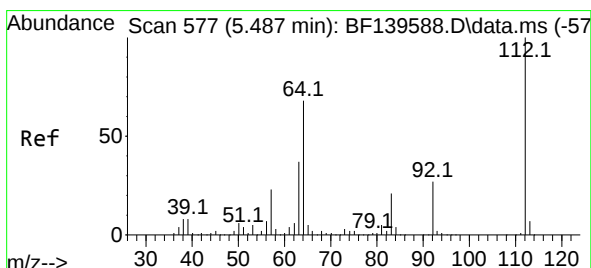
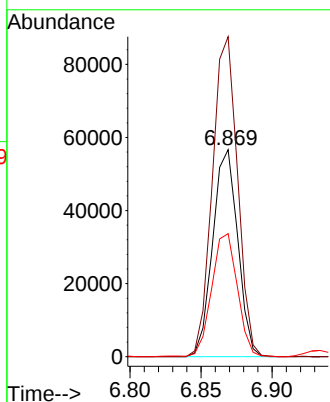
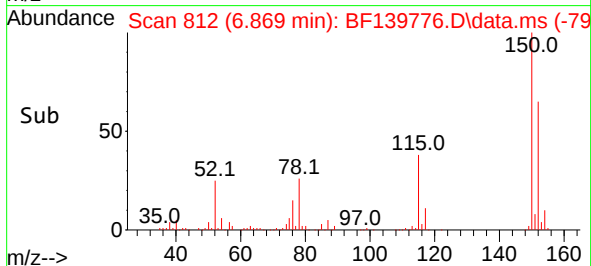
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion:152 Resp: 69314
Ion Ratio Lower Upper
152 100
150 154.5 127.2 190.8
115 59.4 49.0 73.4

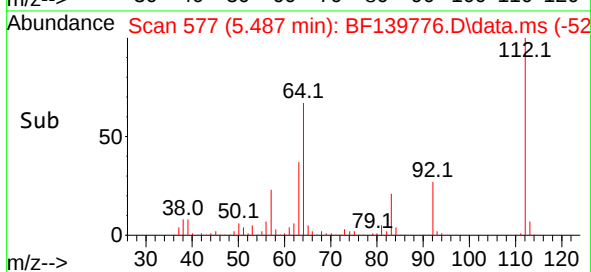
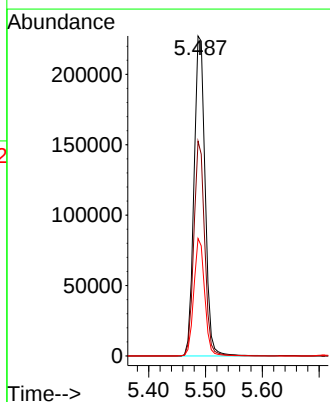
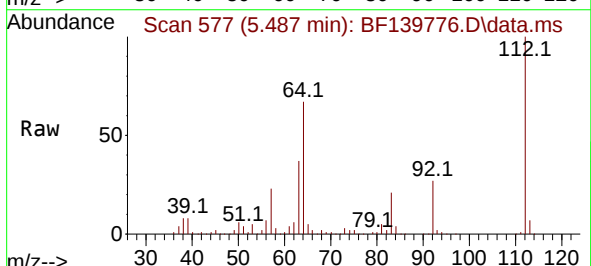
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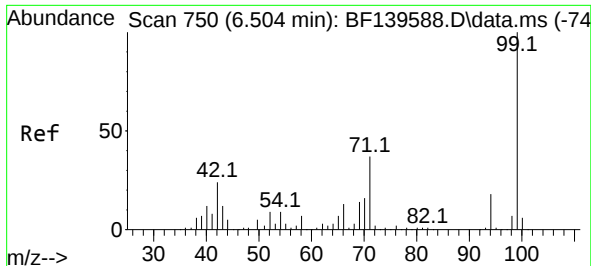
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#5
2-Fluorophenol
Concen: 77.744 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

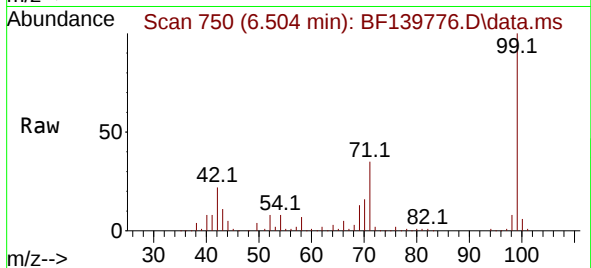
Tgt Ion:112 Resp: 310905
Ion Ratio Lower Upper
112 100
64 67.1 54.2 81.4
63 36.7 29.4 44.2





#7
Phenol-d6
Concen: 69.176 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

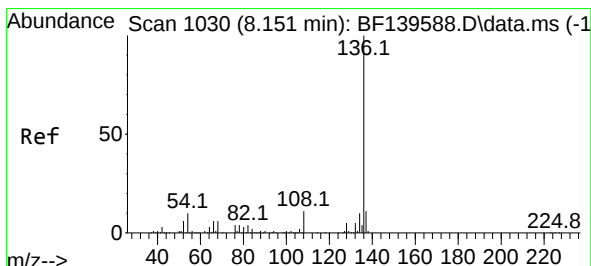
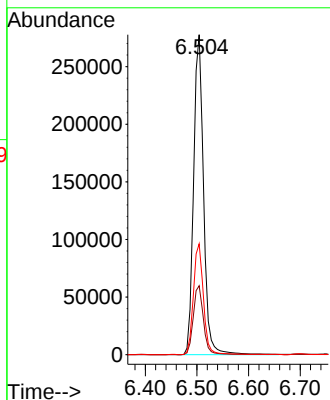
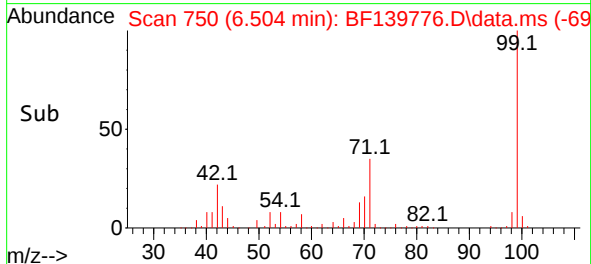
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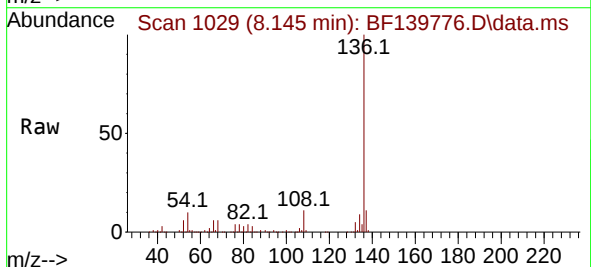
Tgt Ion: 99 Resp: 372020
Ion Ratio Lower Upper
99 100
42 21.6 19.1 28.7
71 34.6 29.7 44.5

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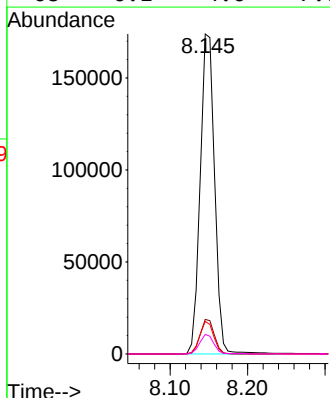
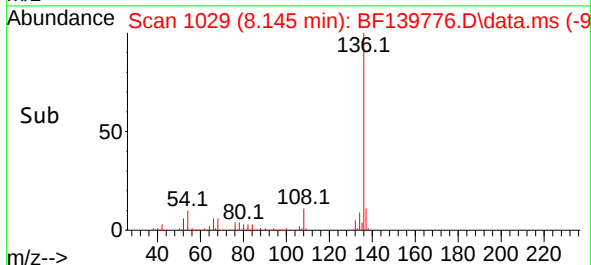
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024

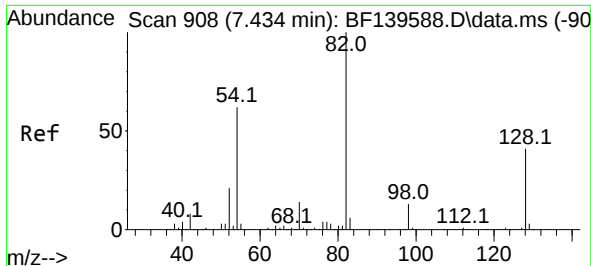


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47



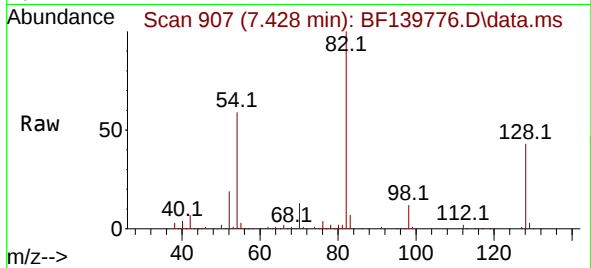
Tgt Ion:136 Resp: 224988
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.1 8.3 12.5
68 6.1 4.6 7.0





#23
Nitrobenzene-d5
Concen: 52.919 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

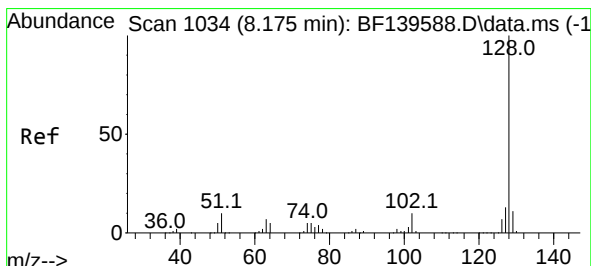
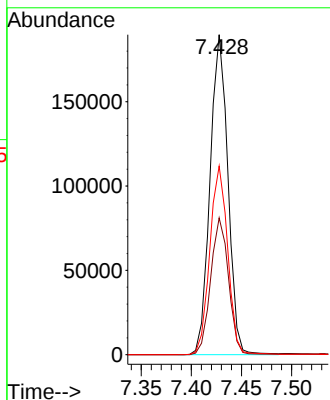
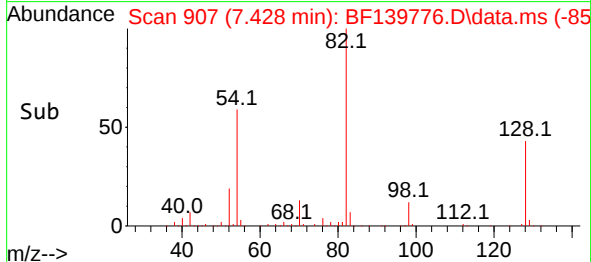
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion: 82 Resp: 235160
Ion Ratio Lower Upper
82 100
128 42.8 32.4 48.6
54 59.0 49.1 73.7

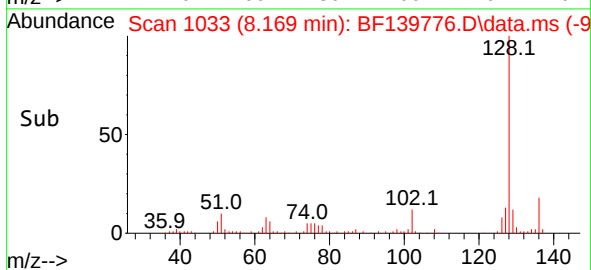
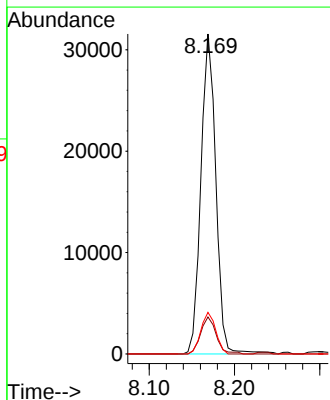
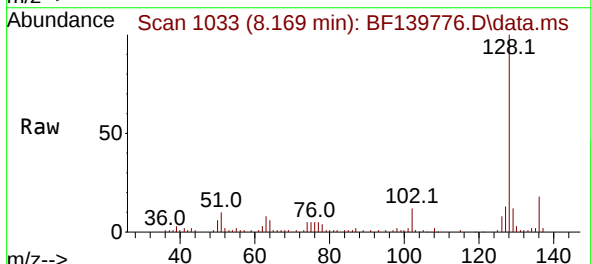
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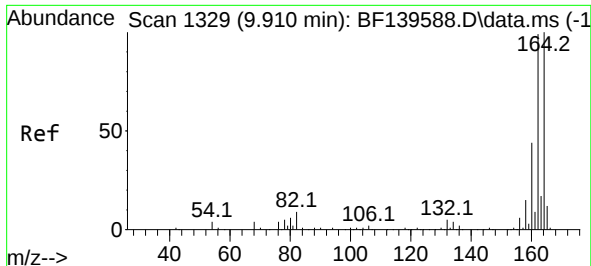
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#31
Naphthalene
Concen: 3.342 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

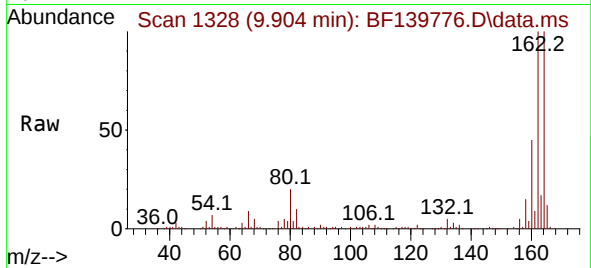
Tgt Ion:128 Resp: 38445
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.0 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

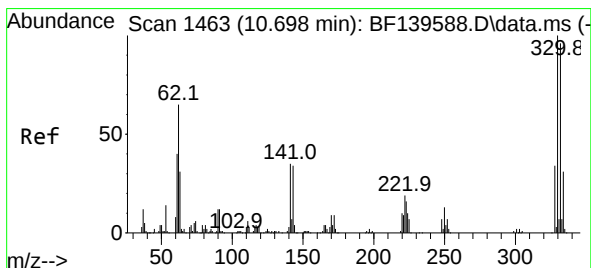
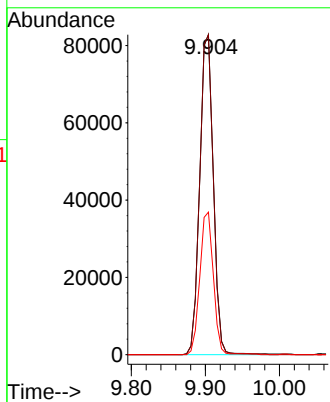
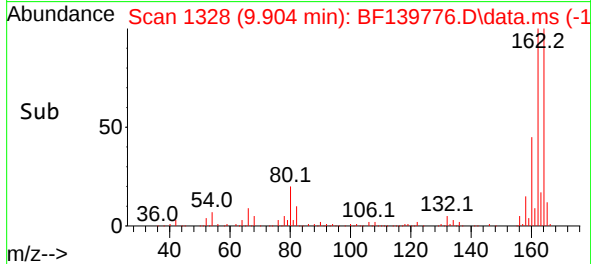
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion:164 Resp: 106315
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 44.6 35.1 52.7

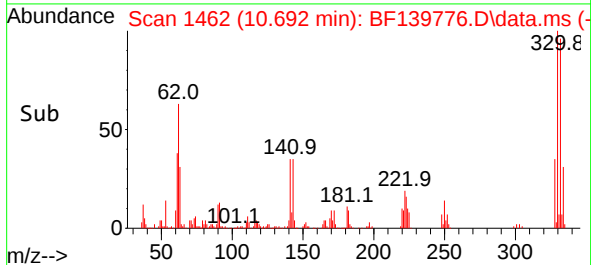
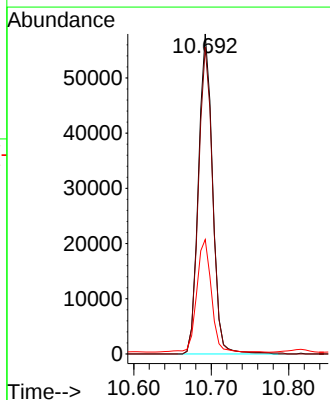
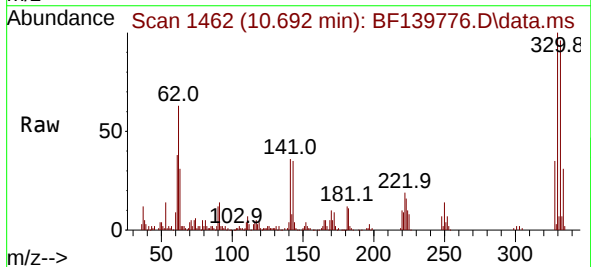
Manual Integrations
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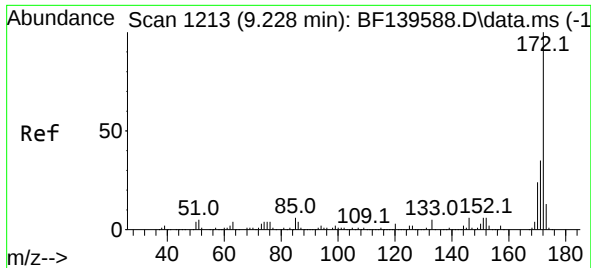
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#42
2,4,6-Tribromophenol
Concen: 71.205 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

Tgt Ion:330 Resp: 73078
Ion Ratio Lower Upper
330 100
332 96.6 76.5 114.7
141 36.4 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 55.967 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Instrument :

BNA_F

ClientSampleId :

SB-03-0.167-0.667

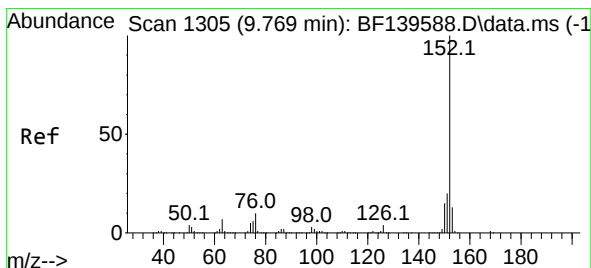
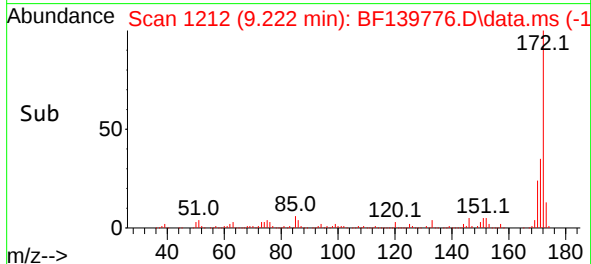
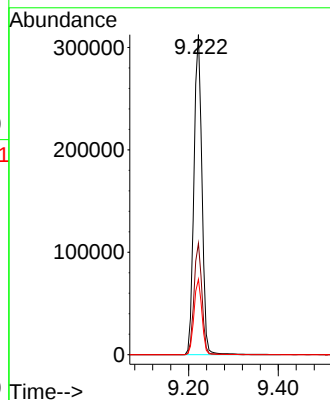
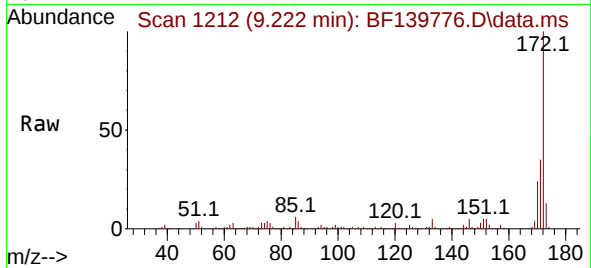
Tgt Ion:172 Resp: 38758

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.5	18.8	28.2

Manual Integrations

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



#49

Acenaphthylene

Concen: 5.259 ng

RT: 9.763 min Scan# 1304

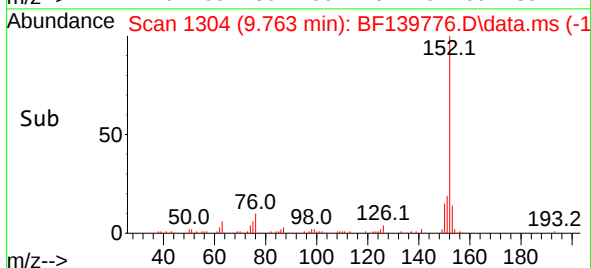
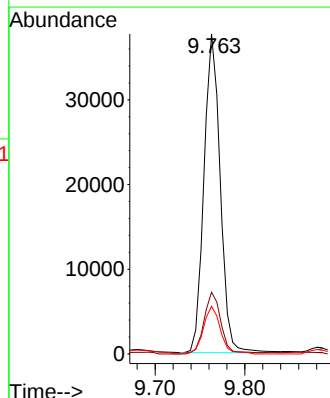
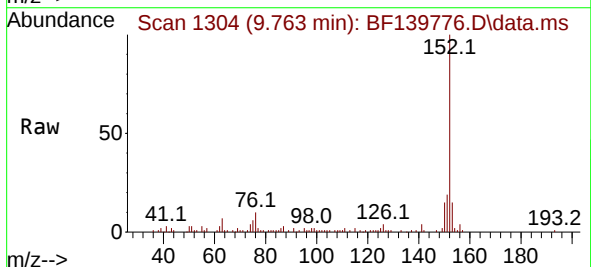
Delta R.T. -0.006 min

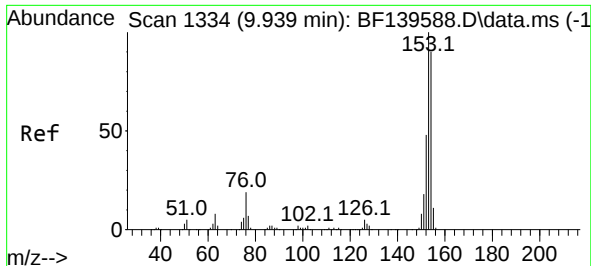
Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Tgt Ion:152 Resp: 47412

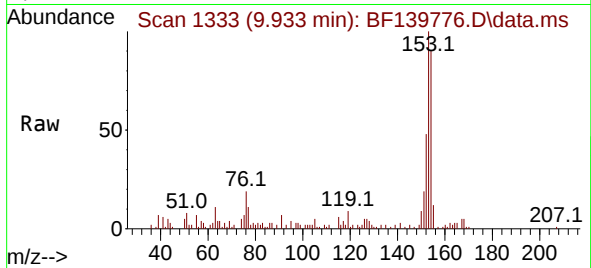
Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.0	24.0
153	14.9	10.5	15.7





#52
Acenaphthene
Concen: 2.793 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

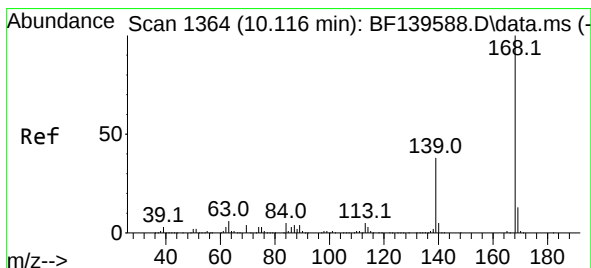
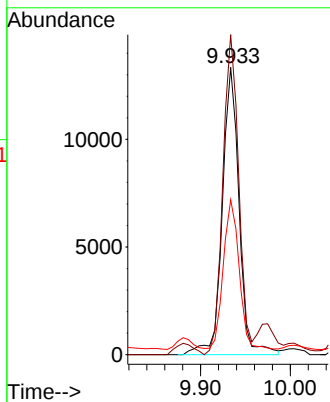
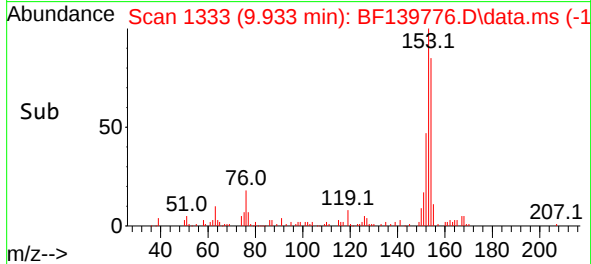
Instrument :
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SB-03-0.167-0.667



Tgt Ion:154 Resp: 17284
Ion Ratio Lower Upper
154 100
153 111.4 88.8 133.2
152 53.9 42.5 63.7

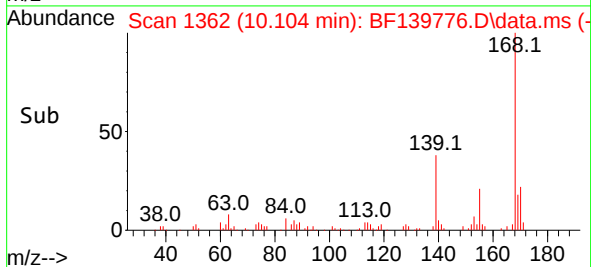
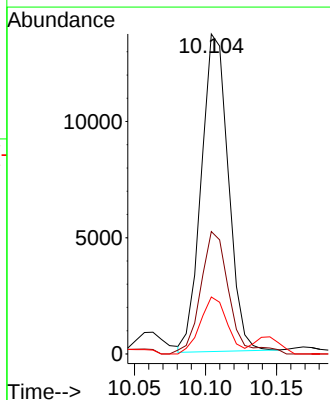
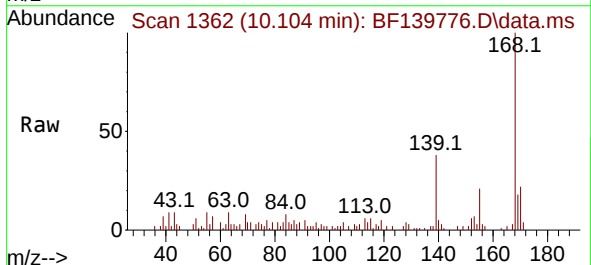
Manual Integrations
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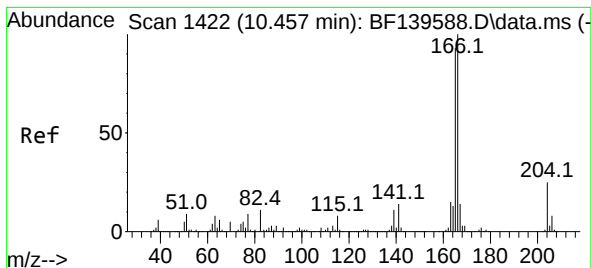
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#55
Dibenzofuran
Concen: 2.083 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

Tgt Ion:168 Resp: 18053
Ion Ratio Lower Upper
168 100
139 38.2 30.4 45.6
169 17.8 10.7 16.1#





#58

Fluorene

Concen: 3.847 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Instrument :

BNA_F

ClientSampleId :

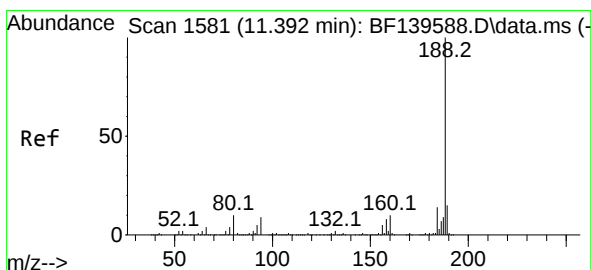
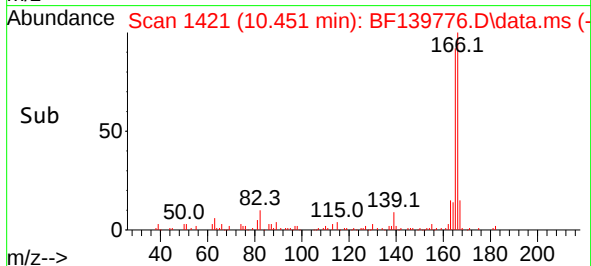
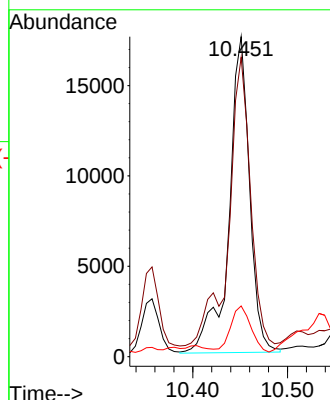
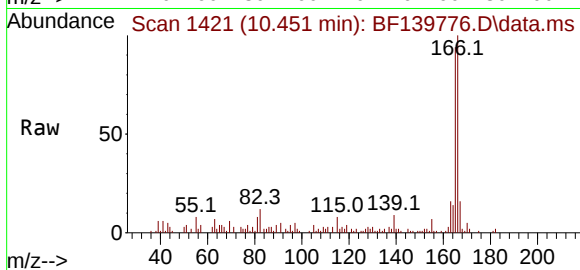
SB-03-0.167-0.667

Tgt Ion:166 Resp: 2655
 Ion Ratio Lower Upper
 166 100
 165 93.5 74.4 111.6
 167 15.9 10.9 16.3

Manual Integrations

APPROVED

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



#64

Phenanthrene-d10

Concen: 20.000 ng

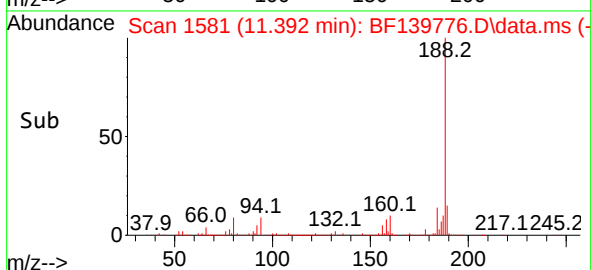
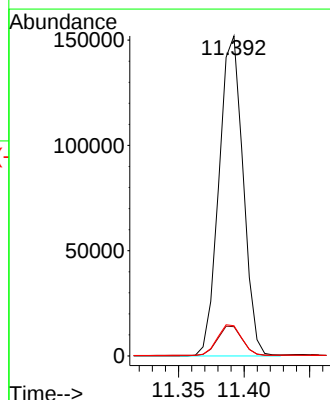
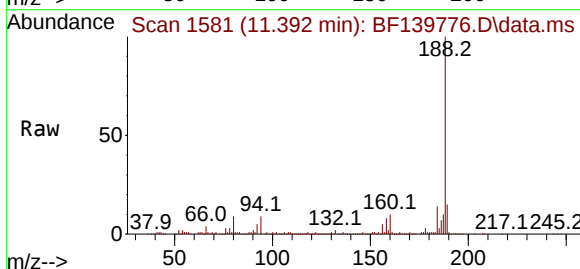
RT: 11.392 min Scan# 1581

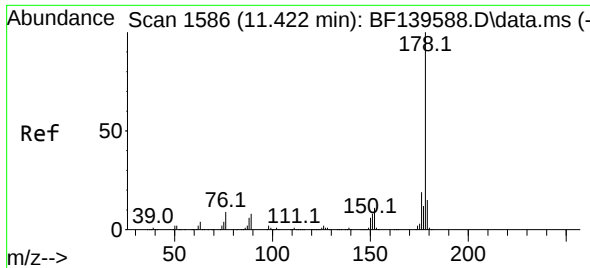
Delta R.T. -0.000 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Tgt Ion:188 Resp: 194324
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.4 11.2
 80 9.4 8.2 12.2





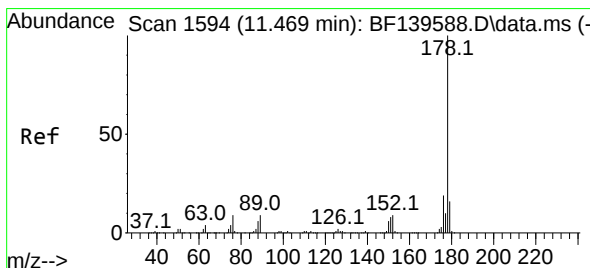
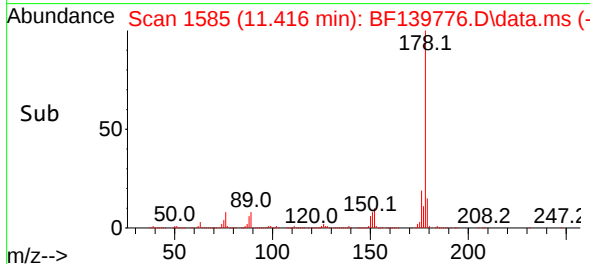
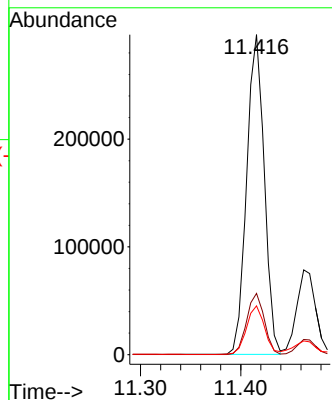
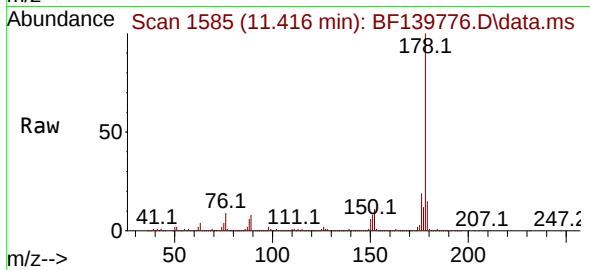
#71
Phenanthrene
Concen: 39.598 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667

Tgt Ion:178 Resp: 362815
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.3 18.5

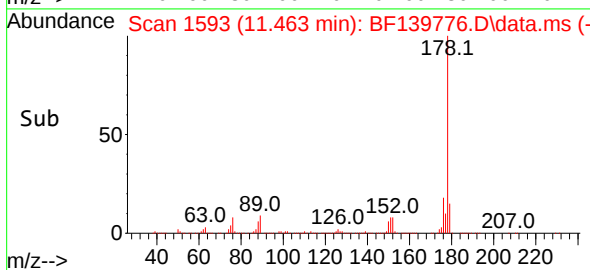
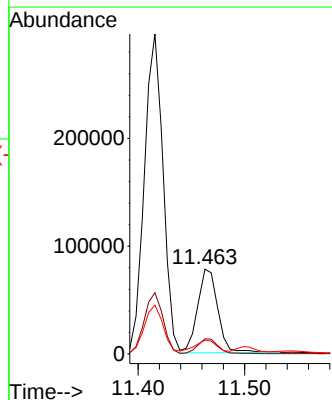
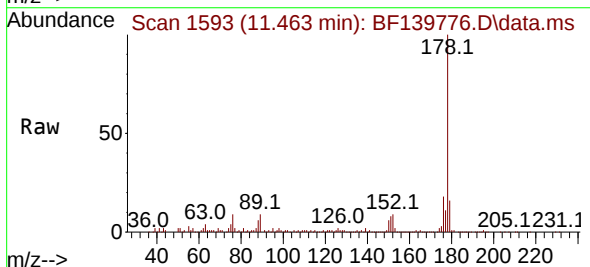
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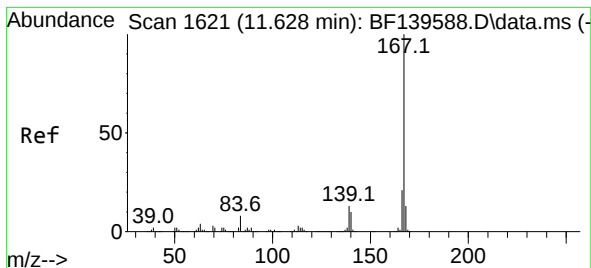
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#72
Anthracene
Concen: 11.314 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

Tgt Ion:178 Resp: 102558
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 16.2 12.5 18.7





#73

Carbazole

Concen: 4.486 ng

RT: 11.622 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Instrument :

BNA_F

ClientSampleId :

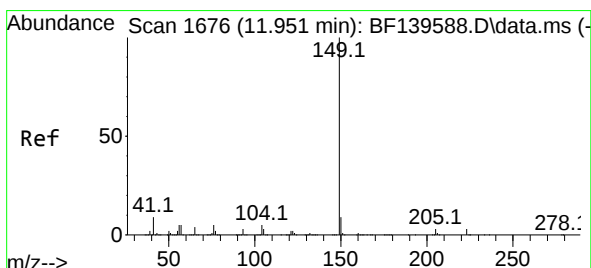
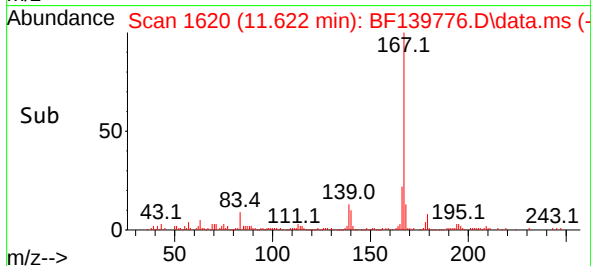
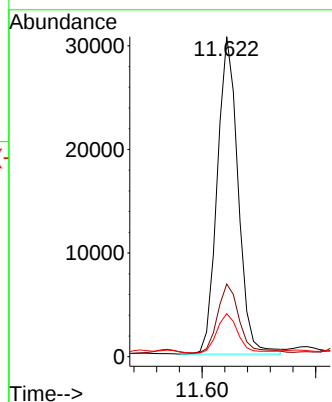
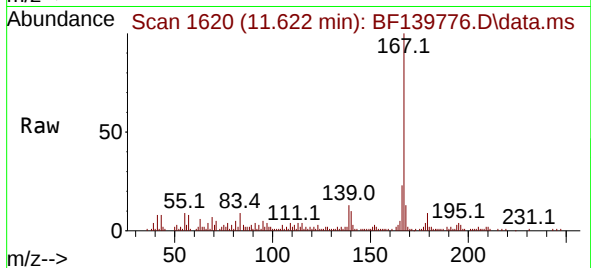
SB-03-0.167-0.667

Tgt Ion:167	Resp:	39054
Ion Ratio	Lower	Upper
167	100	
166	22.7	17.2 25.8
139	13.5	10.3 15.5

Manual Integrations

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



#74

Di-n-butylphthalate

Concen: 10.835 ng

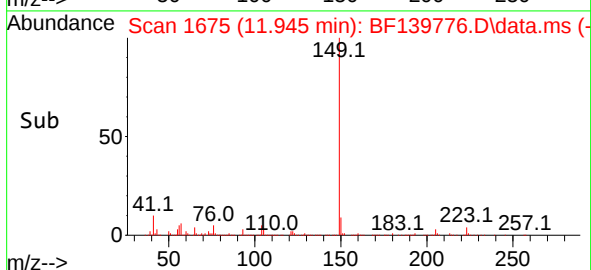
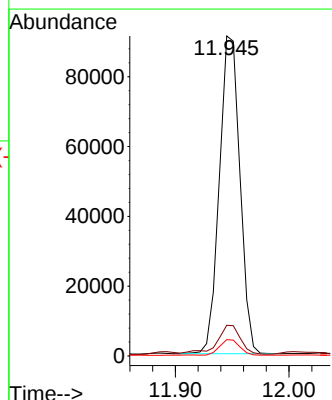
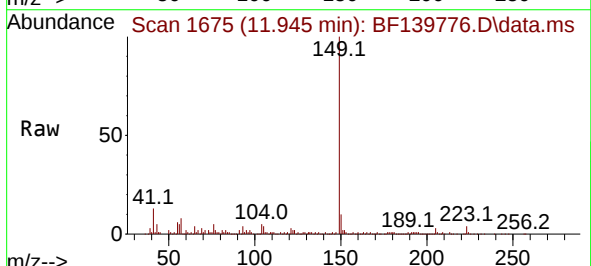
RT: 11.945 min Scan# 1675

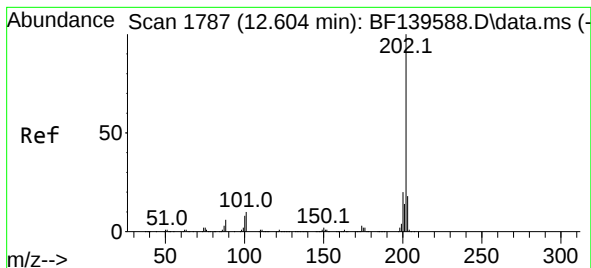
Delta R.T. -0.006 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Tgt Ion:149	Resp:	114706
Ion Ratio	Lower	Upper
149	100	
150	9.6	7.5 11.3
104	5.1	4.1 6.1





#75

Fluoranthene

Concen: 73.724 ng

RT: 12.610 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139776.D

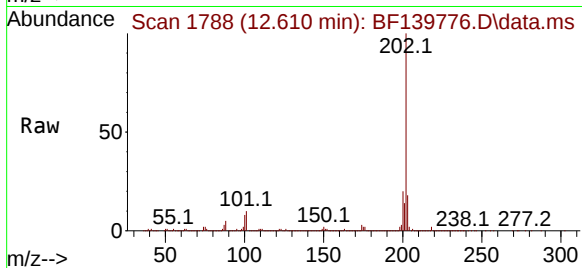
Acq: 11 Oct 2024 15:47

Instrument :

BNA_F

ClientSampleId :

SB-03-0.167-0.667



Tgt Ion:202 Resp: 738420

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

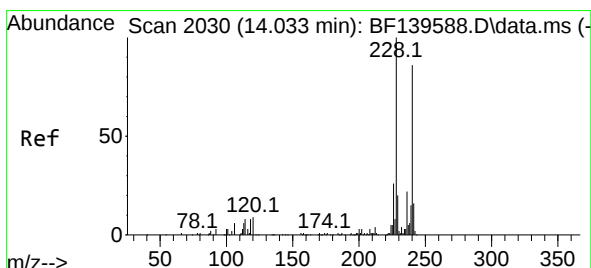
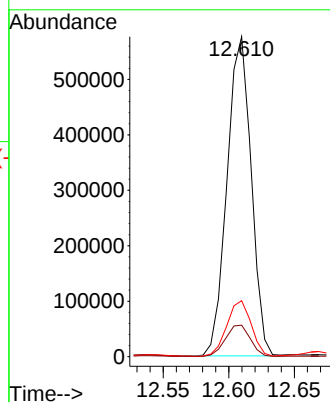
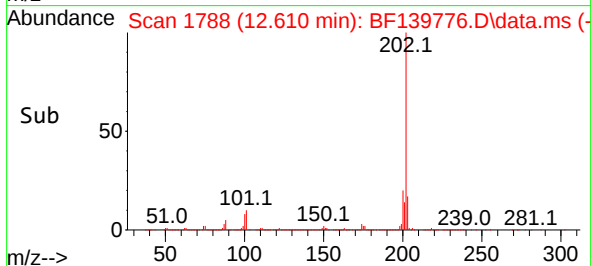
203 17.5 0.0 37.7

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: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

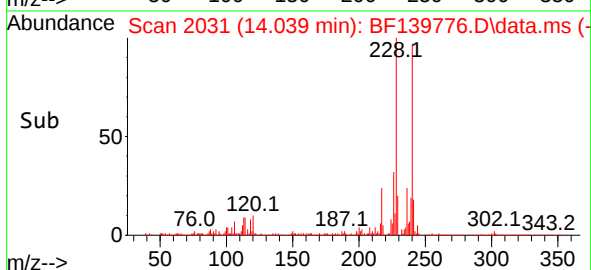
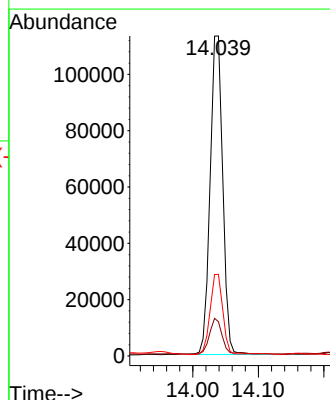
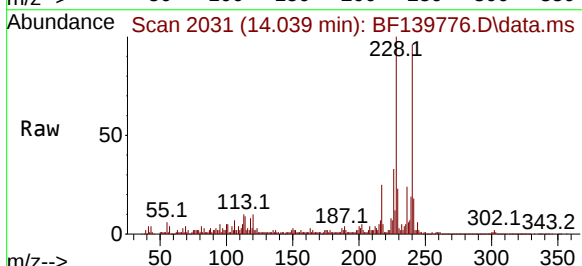
Tgt Ion:240 Resp: 151890

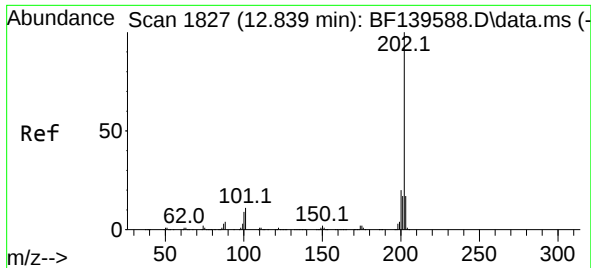
Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

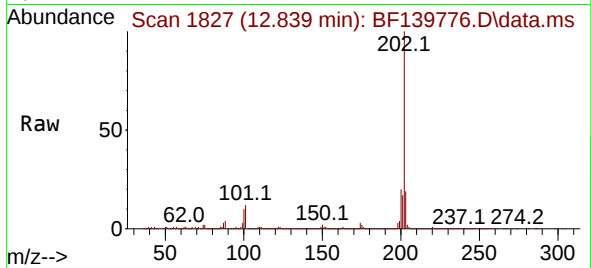
236 25.5 20.3 30.5





#78
Pyrene
Concen: 52.711 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.000 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

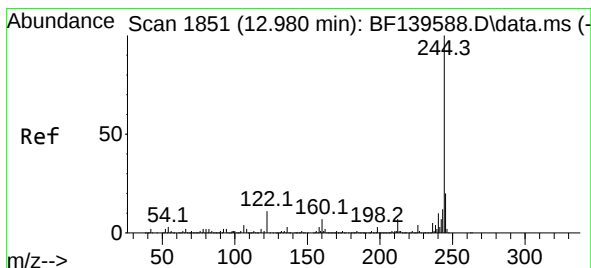
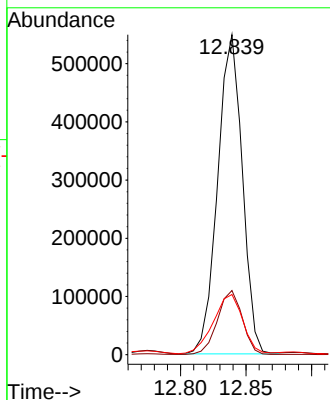
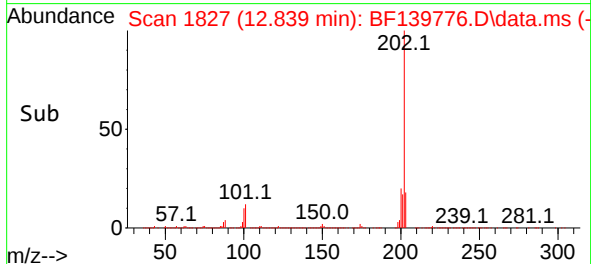
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion:202 Resp: 71608
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.6
203 18.8 13.8 20.8

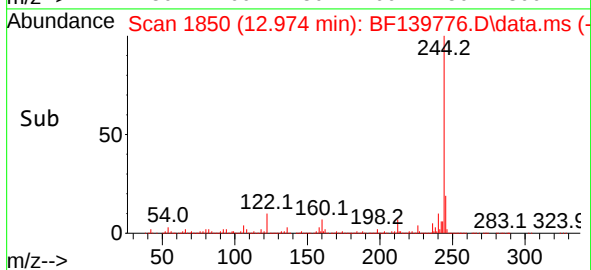
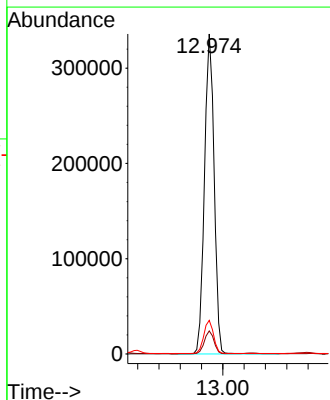
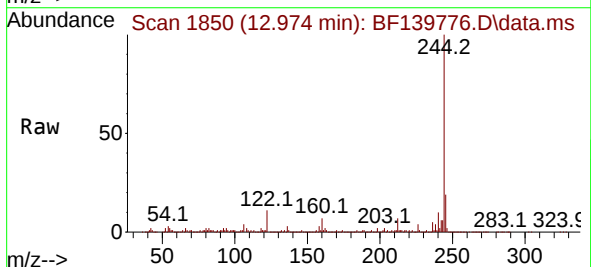
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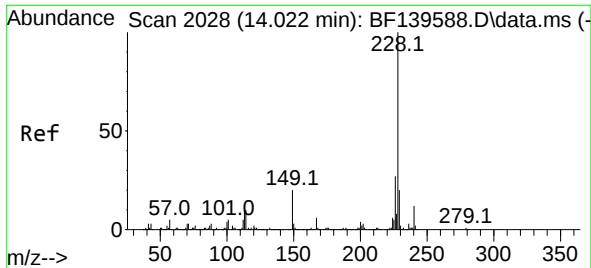
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#79
Terphenyl-d14
Concen: 45.586 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

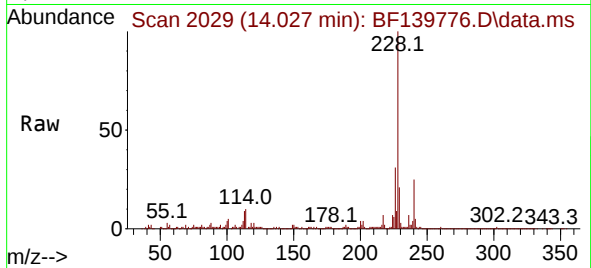
Tgt Ion:244 Resp: 421984
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 10.5 8.6 12.8





#81
Benzo(a)anthracene
Concen: 41.656 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

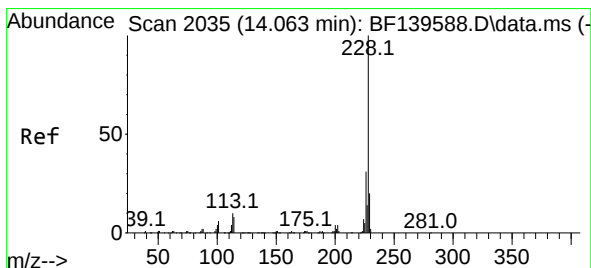
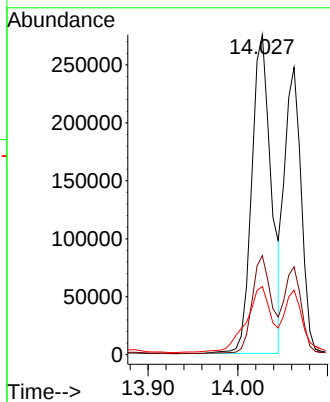
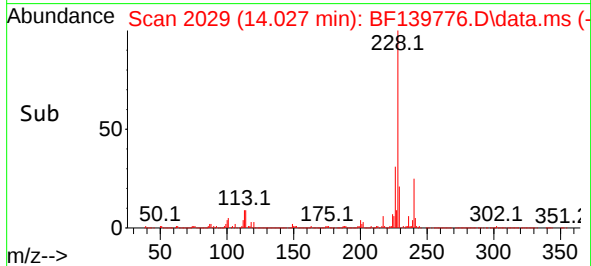
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion:228 Resp: 41598
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.8
229 21.3 15.8 23.8

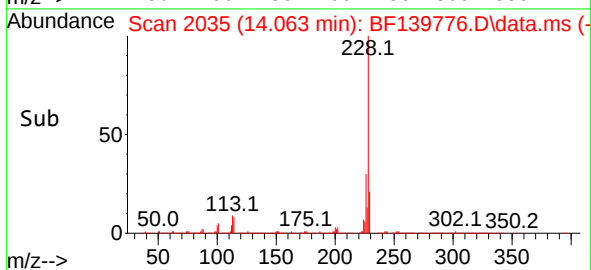
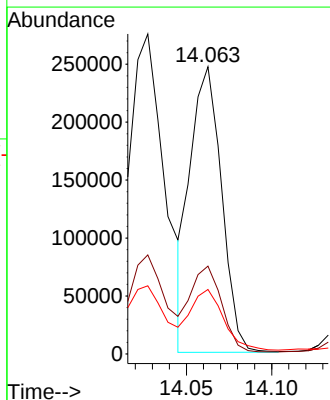
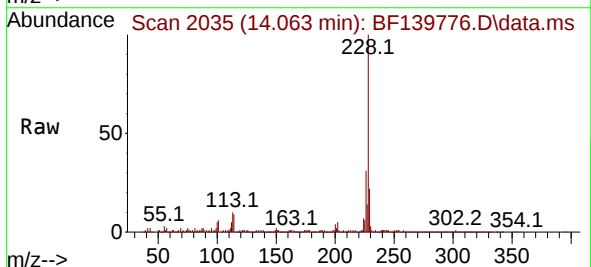
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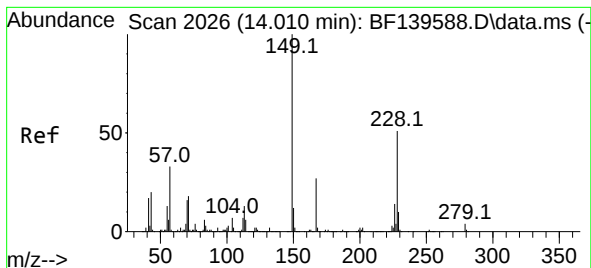
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 34.477 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

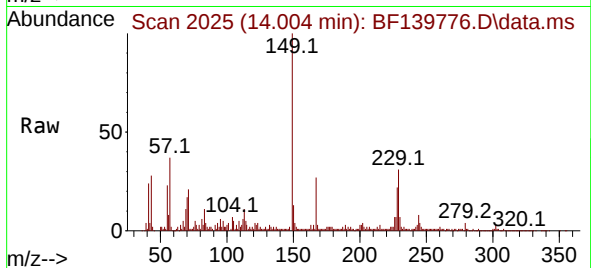
Tgt Ion:228 Resp: 314774
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.5 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 15.395 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

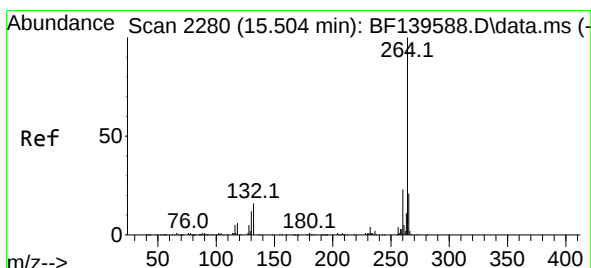
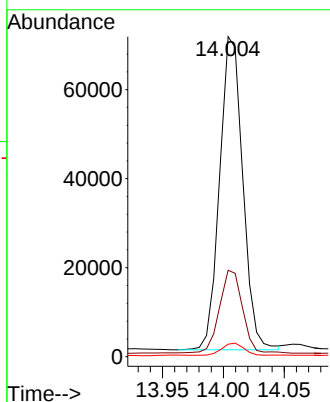
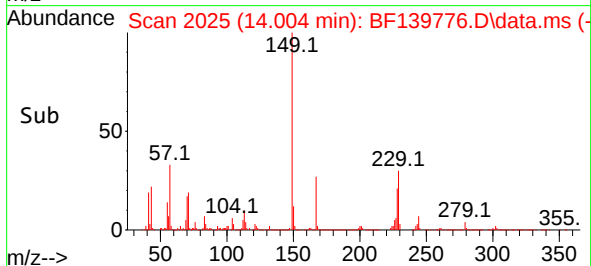
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion:149 Resp: 9341
Ion Ratio Lower Upper
149 100
167 27.0 21.7 32.5
279 3.9 3.2 4.8

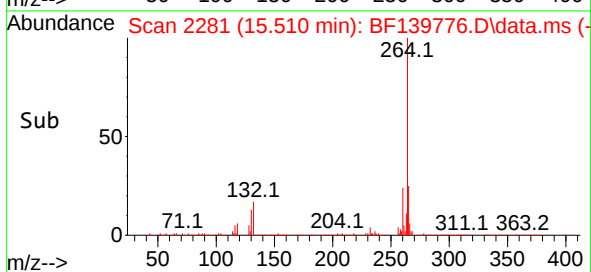
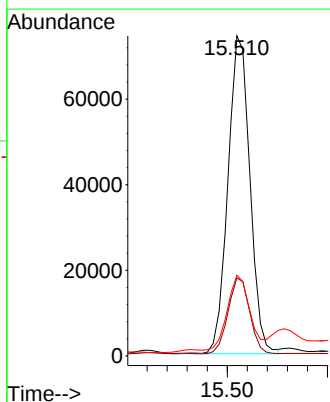
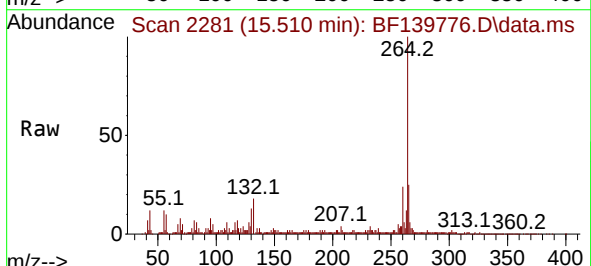
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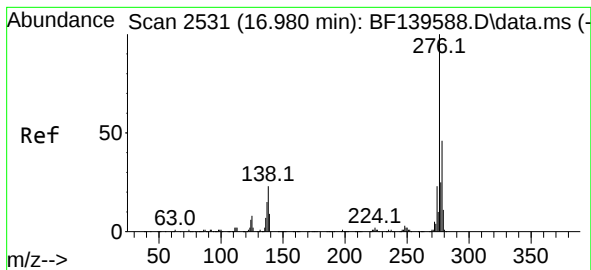
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

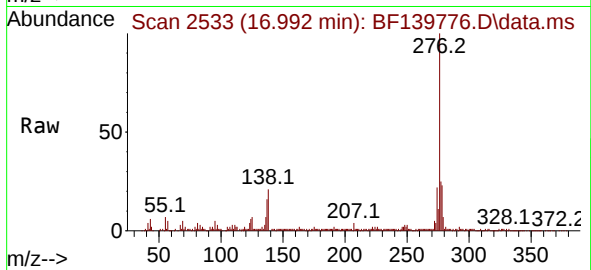
Tgt Ion:264 Resp: 113208
Ion Ratio Lower Upper
264 100
260 24.4 18.7 28.1
265 25.2 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.521 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

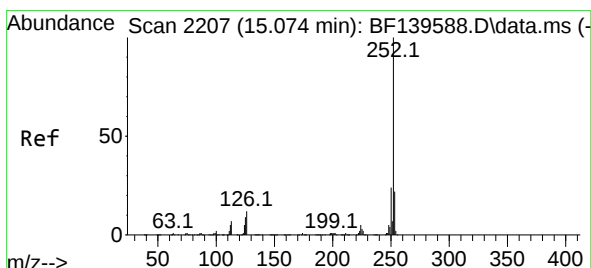
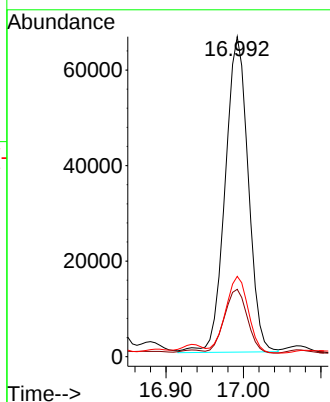
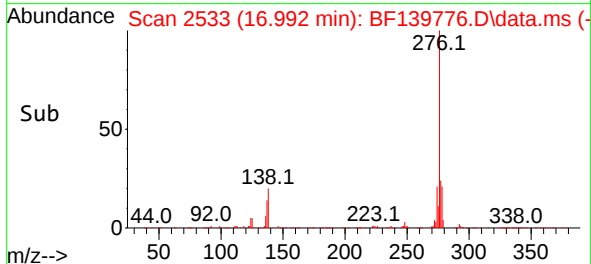
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion:276 Resp: 136735
Ion Ratio Lower Upper
276 100
138 20.1 19.4 29.0
277 24.0 20.2 30.2

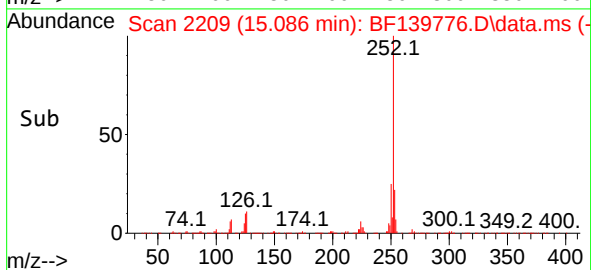
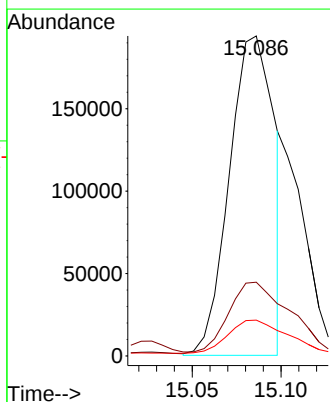
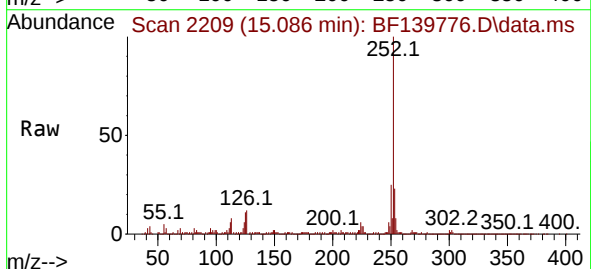
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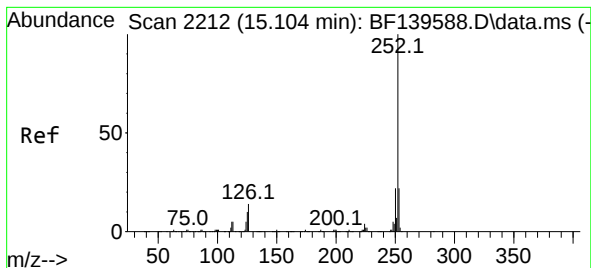
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#88
Benzo(b)fluoranthene
Concen: 46.565 ng m
RT: 15.086 min Scan# 2209
Delta R.T. 0.012 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

Tgt Ion:252 Resp: 340849
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.2 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 18.694 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Instrument :

BNA_F

ClientSampleId :

SB-03-0.167-0.667

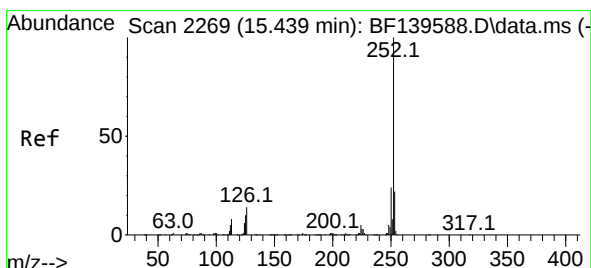
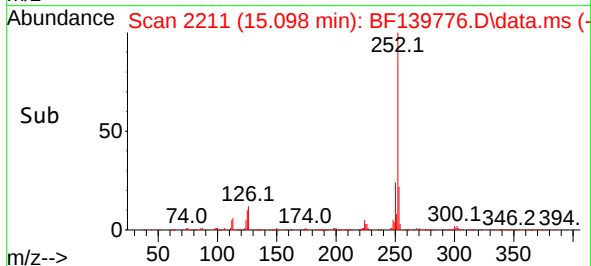
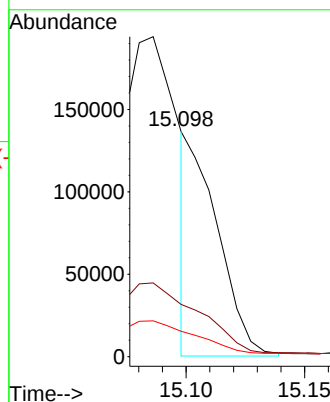
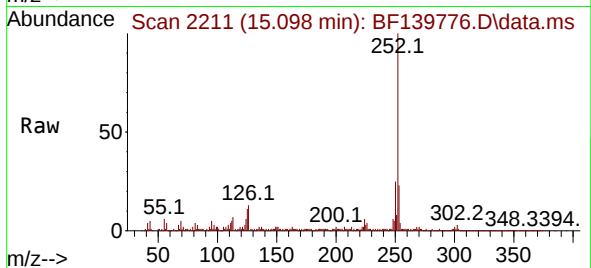
Tgt Ion:252 Resp: 116072

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.3	7.6	11.4

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 40.449 ng

RT: 15.451 min Scan# 2271

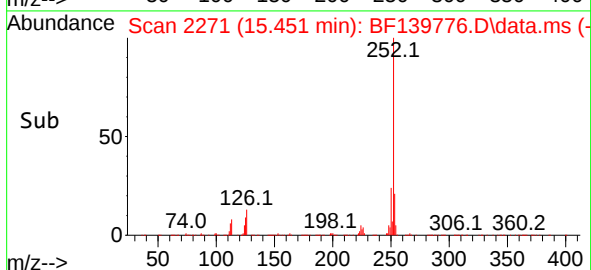
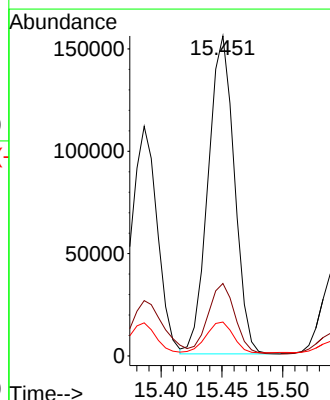
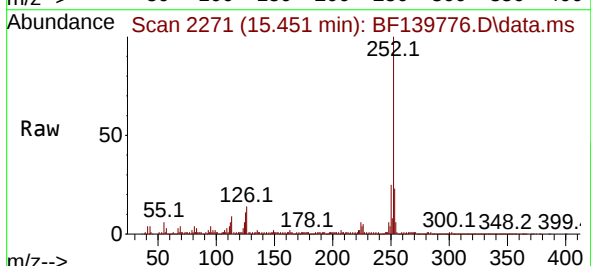
Delta R.T. 0.012 min

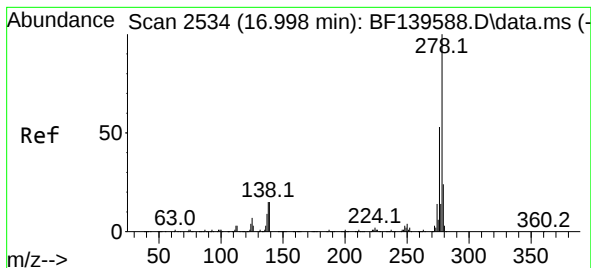
Lab File: BF139776.D

Acq: 11 Oct 2024 15:47

Tgt Ion:252 Resp: 233458

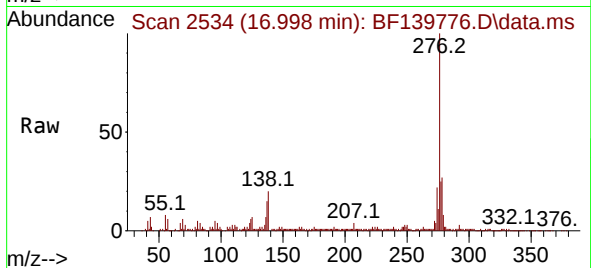
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	10.6	8.3	12.5





#91
Dibenzo(a,h)anthracene
Concen: 6.196 ng
RT: 16.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

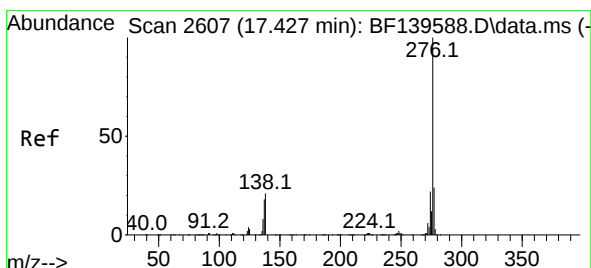
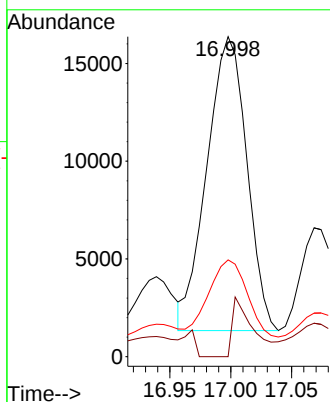
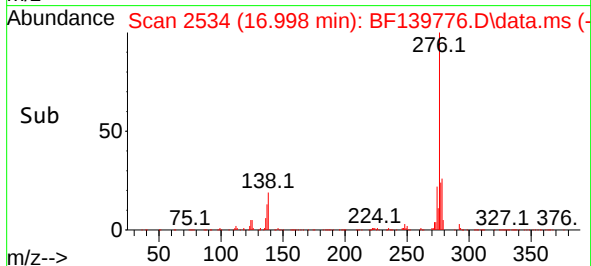
Instrument :
BNA_F
ClientSampleId :
SB-03-0.167-0.667



Tgt Ion: 278 Resp: 3424
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 30.2 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 24.580 ng
RT: 17.439 min Scan# 2609
Delta R.T. 0.012 min
Lab File: BF139776.D
Acq: 11 Oct 2024 15:47

Tgt Ion: 276 Resp: 136238
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 21.1 17.0 25.6

