

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
 Data File : BF139771.D
 Acq On : 11 Oct 2024 13:23
 Operator : RC/JU
 Sample : P4364-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0.167-0.667

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 14:08:31 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	70125	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	227557	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	99467	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	178983	20.000	ng	0.00
76) Chrysene-d12	14.033	240	166148	20.000	ng	0.00
86) Perylene-d12	15.504	264	133611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	314843	77.818	ng	0.00
7) Phenol-d6	6.498	99	377265	69.339	ng	0.00
23) Nitrobenzene-d5	7.428	82	239011	53.179	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	65502	68.218	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	377491	58.262	ng	0.00
79) Terphenyl-d14	12.974	244	405404	40.037	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	193012	22.871	ng	99
72) Anthracene	11.463	178	42493	5.090	ng	98
73) Carbazole	11.621	167	22328	2.784	ng	98
75) Fluoranthene	12.604	202	372688	40.399	ng	99
78) Pyrene	12.833	202	334320	22.498	ng	99
81) Benzo(a)anthracene	14.021	228	211522	19.364	ng	96
83) Chrysene	14.057	228	170915	17.114	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	63183	8.034	ng	96
88) Benzo(b)fluoranthene	15.074	252	204599m	23.683	ng	
89) Benzo(k)fluoranthene	15.092	252	66655m	9.096	ng	
90) Benzo(a)pyrene	15.439	252	128446	18.856	ng	97
91) Dibenzo(a,h)anthracene	16.986	278	15952	2.446	ng	# 86
92) Benzo(g,h,i)perylene	17.427	276	59559	9.105	ng	98

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

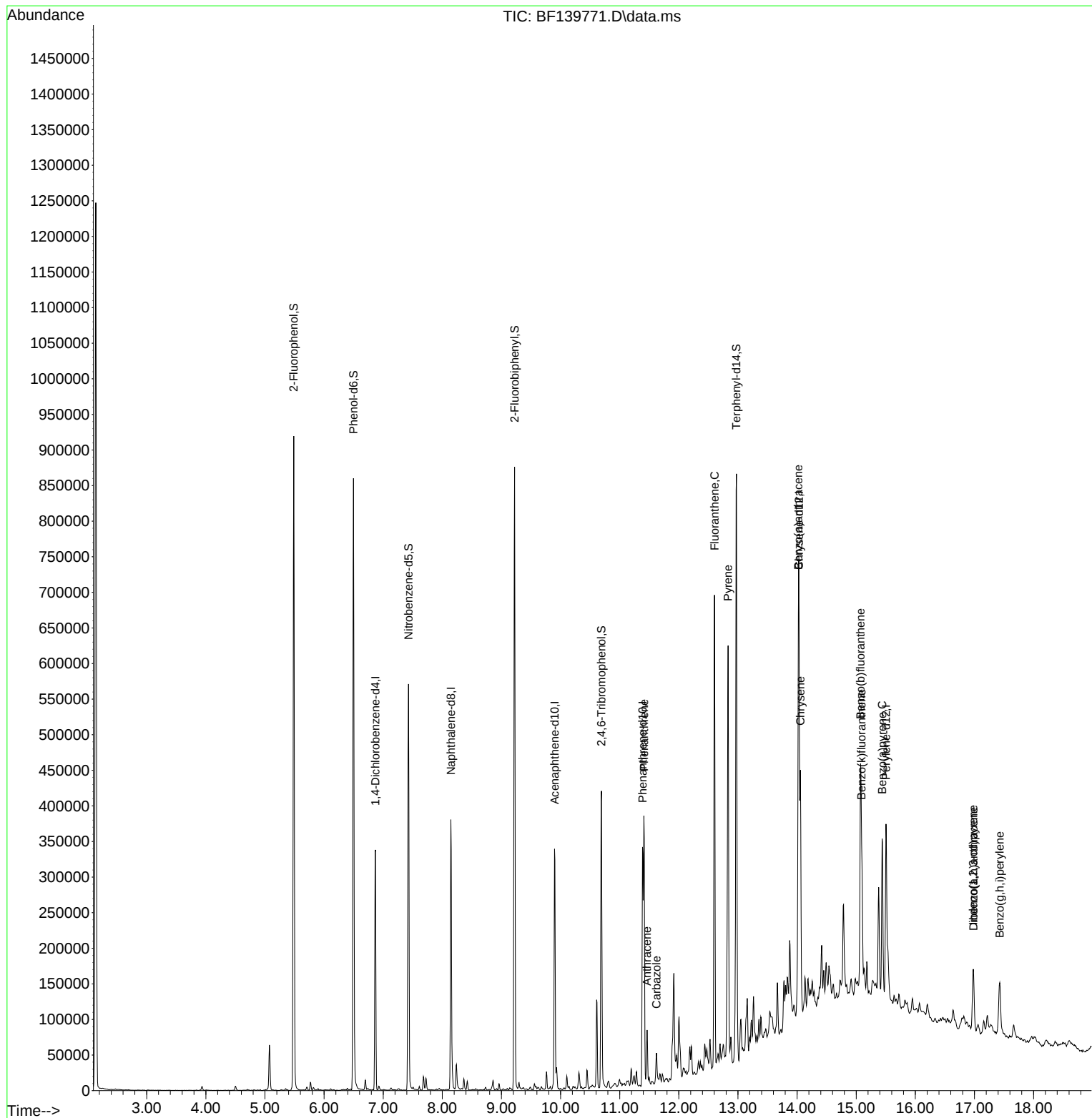
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101124\
Data File : BF139771.D
Acq On : 11 Oct 2024 13:23
Operator : RC/JU
Sample : P4364-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667

Quant Time: Oct 11 14:08:31 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

Manual Integrations
APPROVED

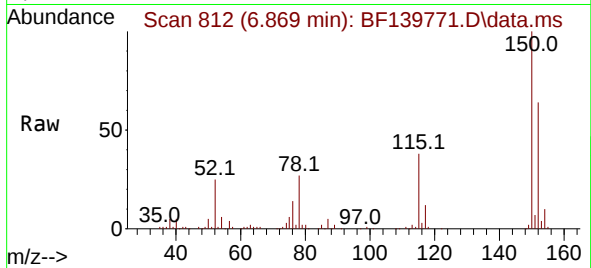
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

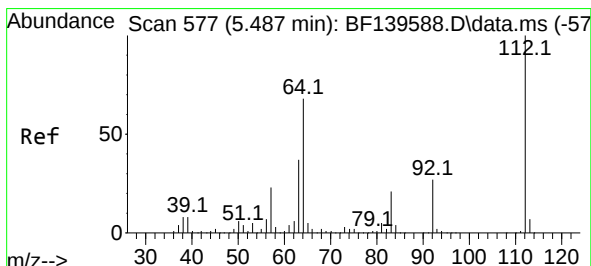
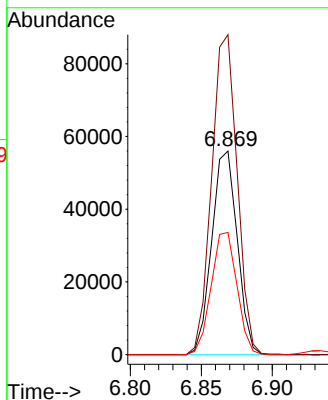
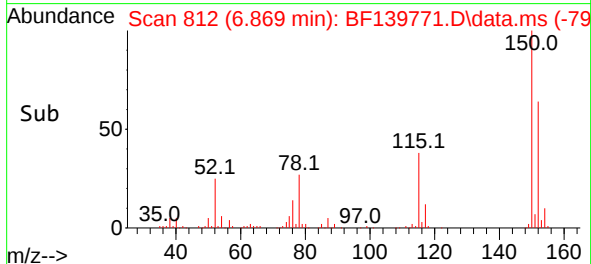
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:152 Resp: 70125
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 60.0 49.0 73.4

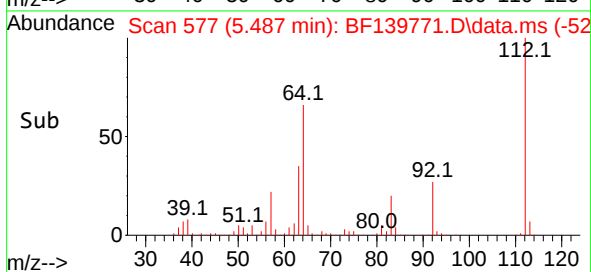
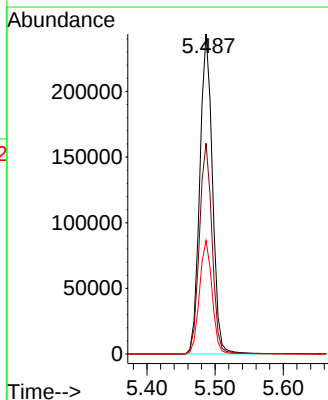
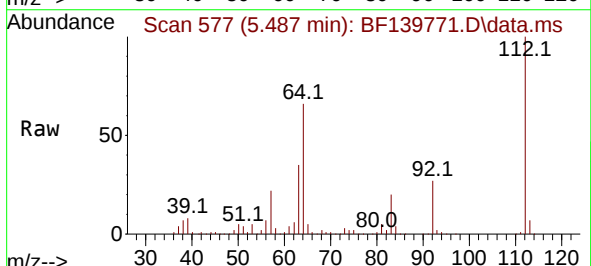
Manual Integrations
APPROVED

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



#5
2-Fluorophenol
Concen: 77.818 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

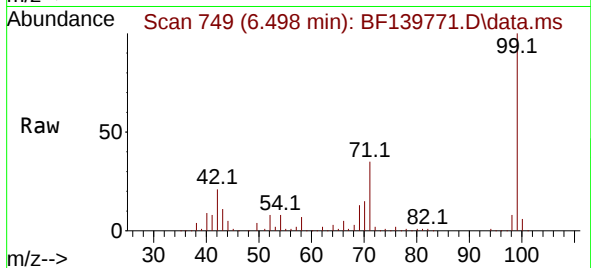
Tgt Ion:112 Resp: 314843
Ion Ratio Lower Upper
112 100
64 65.9 54.2 81.4
63 35.4 29.4 44.2





#7
Phenol-d6
Concen: 69.339 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

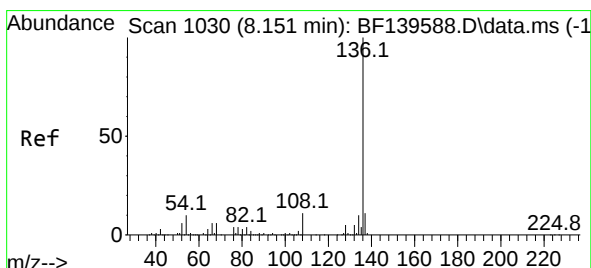
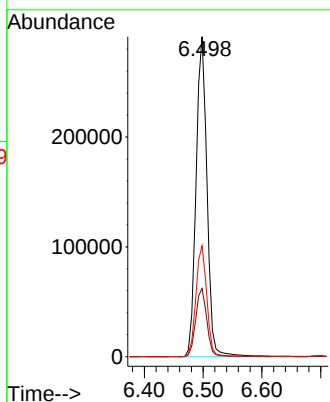
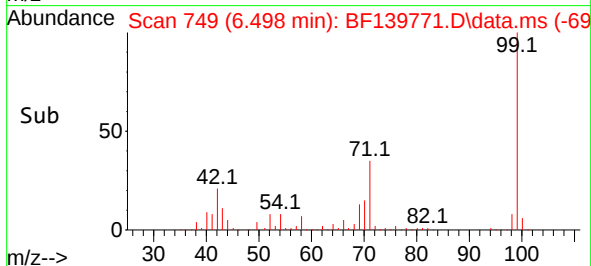
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion: 99 Resp: 37726
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 34.6 29.7 44.5

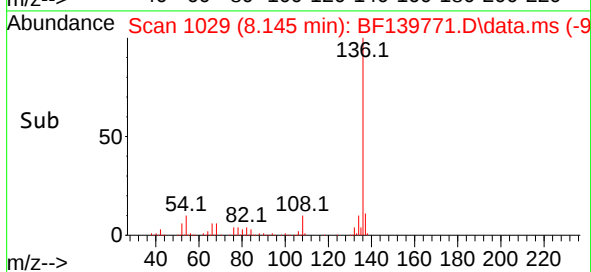
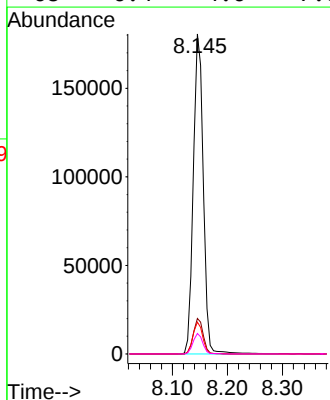
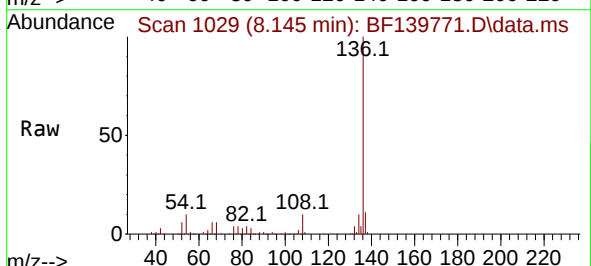
Manual Integrations
APPROVED

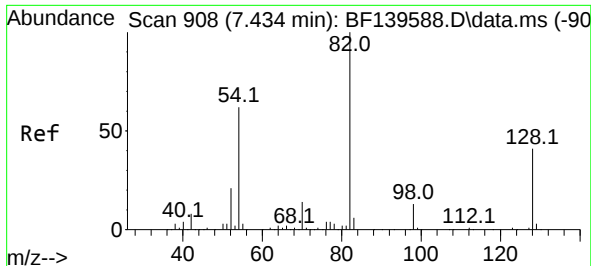
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

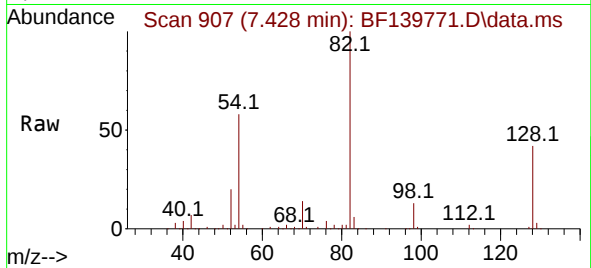
Tgt Ion:136 Resp: 227557
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.0 8.3 12.5
68 6.4 4.6 7.0





#23
Nitrobenzene-d5
Concen: 53.179 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

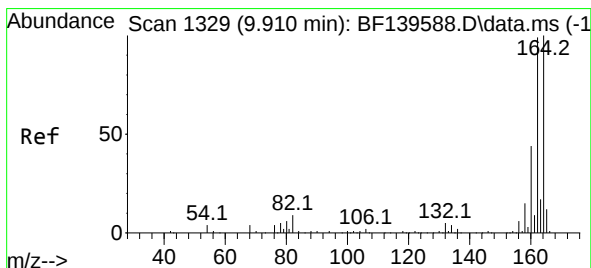
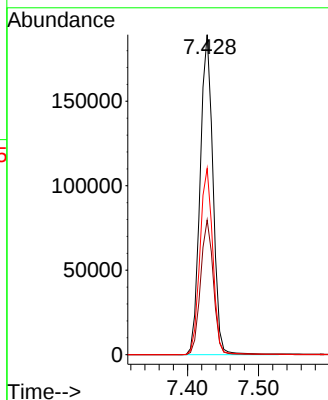
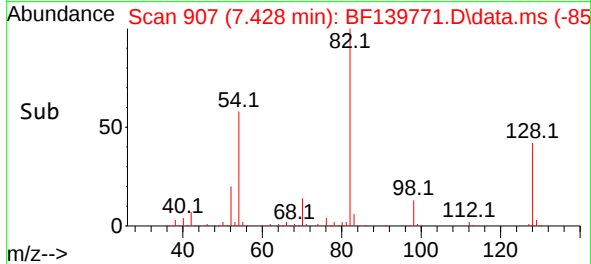
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion: 82 Resp: 23901
Ion Ratio Lower Upper
82 100
128 42.1 32.4 48.6
54 58.2 49.1 73.7

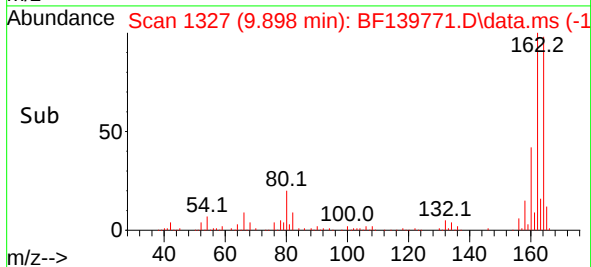
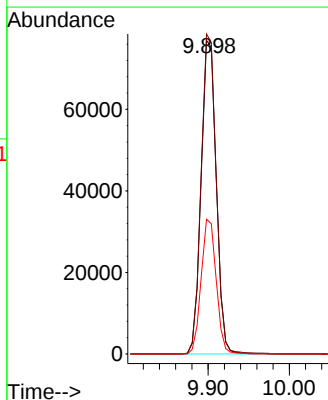
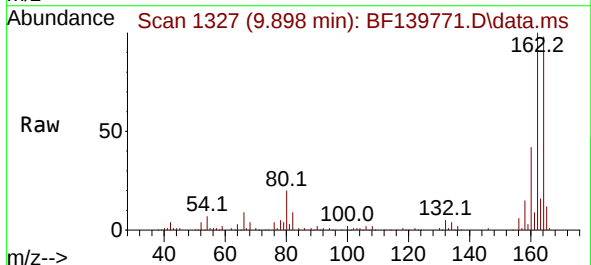
Manual Integrations
APPROVED

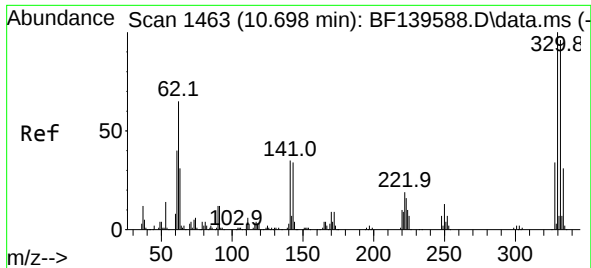
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

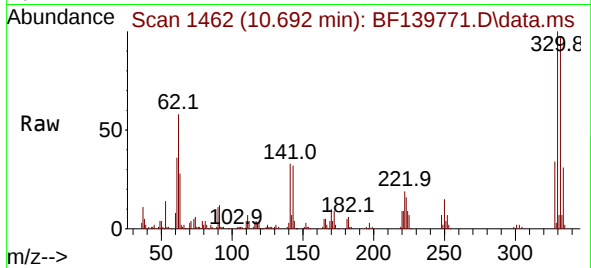
Tgt Ion:164 Resp: 99467
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.0
160 43.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 68.218 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

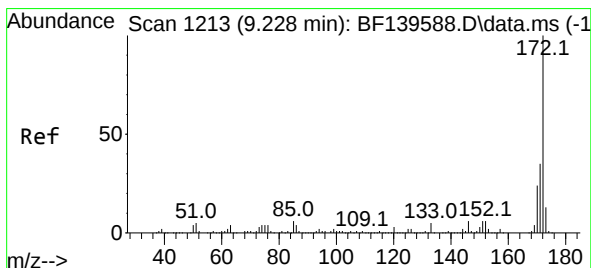
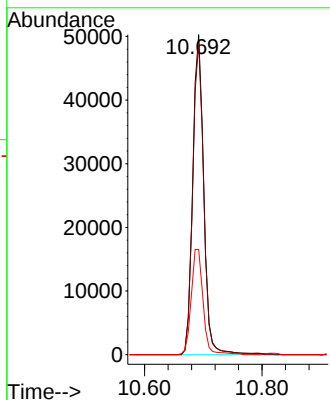
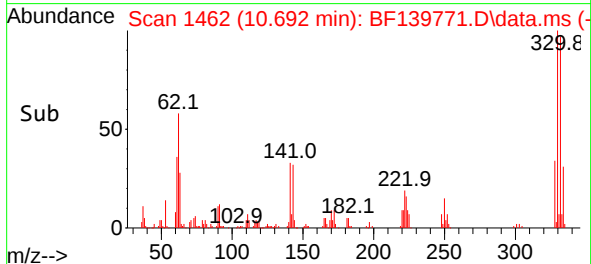
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



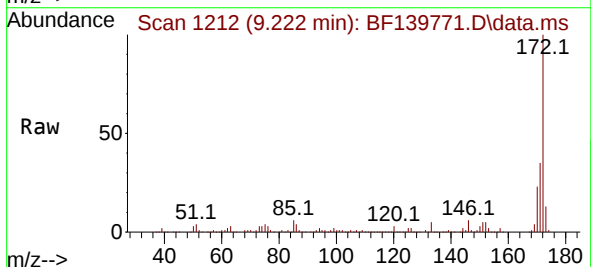
Tgt Ion: 330 Resp: 65502
Ion Ratio Lower Upper
330 100
332 96.7 76.5 114.7
141 35.3 29.3 43.9

Manual Integrations
APPROVED

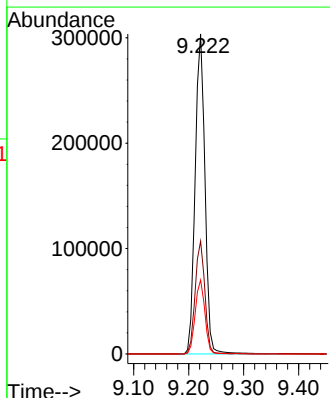
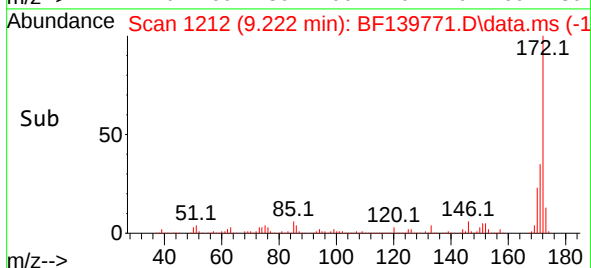
Reviewed By : Jagrut Upadhyay 10/14/2024
Supervised By : mohammad ahmed 10/15/2024



#45
2-Fluorobiphenyl
Concen: 58.262 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23



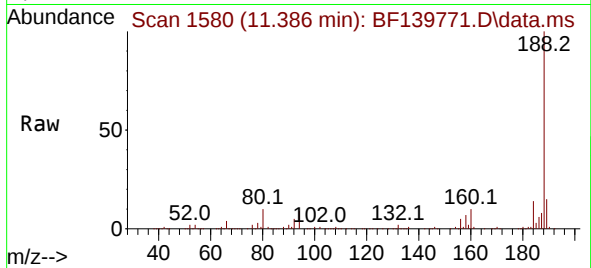
Tgt Ion: 172 Resp: 377491
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

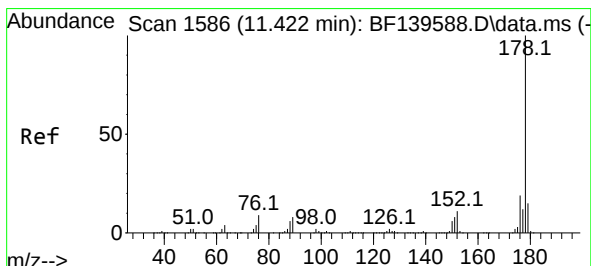
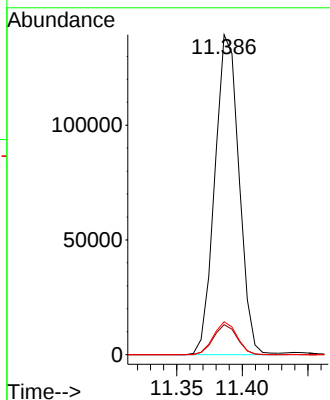
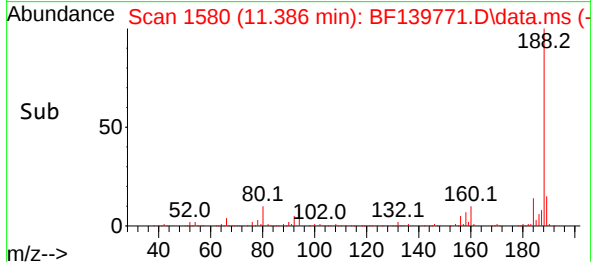
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:188 Resp: 17898
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.3 8.2 12.2

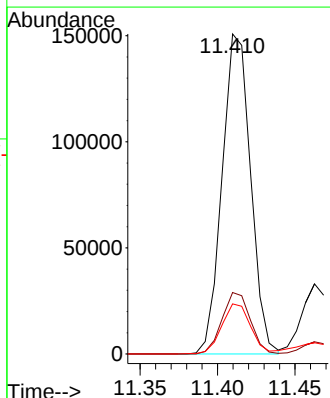
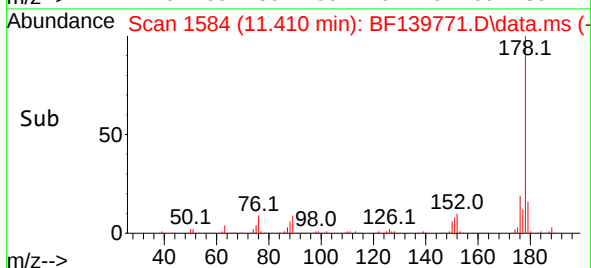
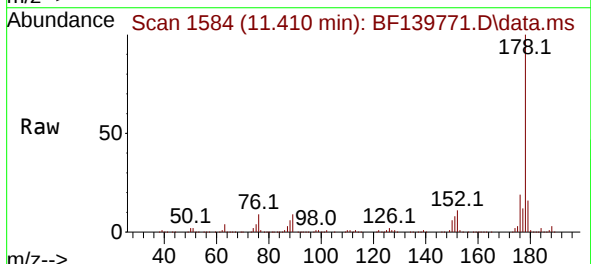
Manual Integrations
APPROVED

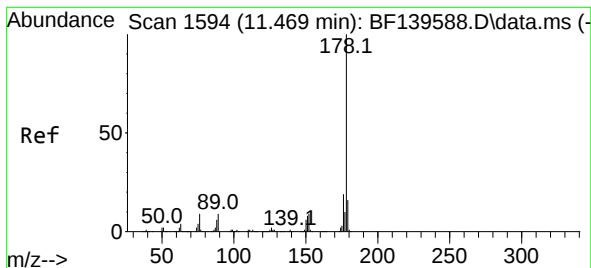
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#71
Phenanthrene
Concen: 22.871 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

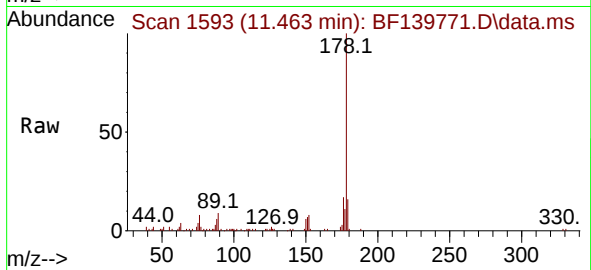
Tgt Ion:178 Resp: 193012
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.7 12.3 18.5





#72
 Anthracene
 Concen: 5.090 ng
 RT: 11.463 min Scan# 1146
 Delta R.T. -0.006 min
 Lab File: BF139771.D
 Acq: 11 Oct 2024 13:23

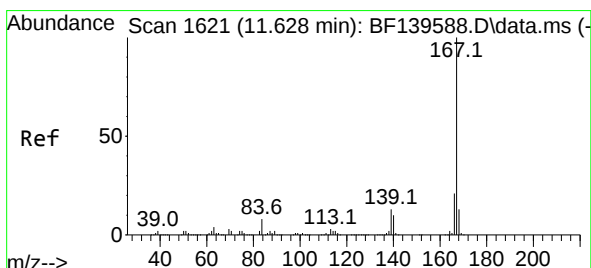
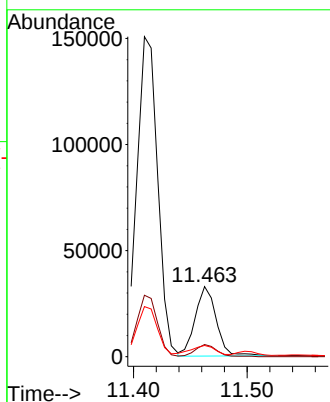
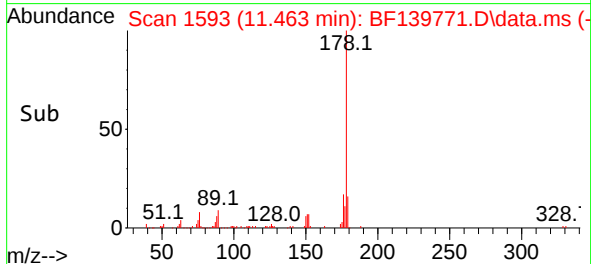
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0.167-0.667



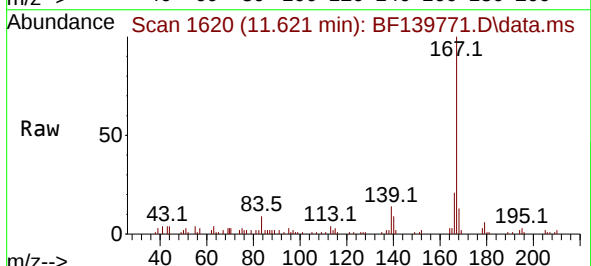
Tgt Ion:178 Resp: 4249
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.1 22.7
 179 16.1 12.5 18.7

Manual Integrations
 APPROVED

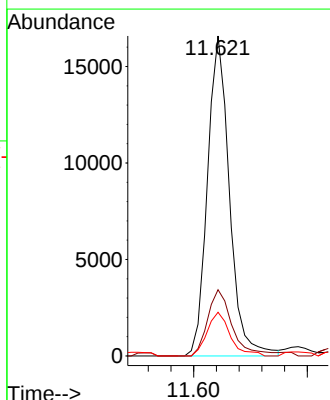
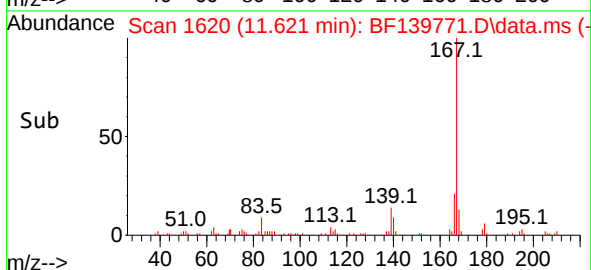
Reviewed By :Jagrut Upadhyay 10/14/2024
 Supervised By :mohammad ahmed 10/15/2024

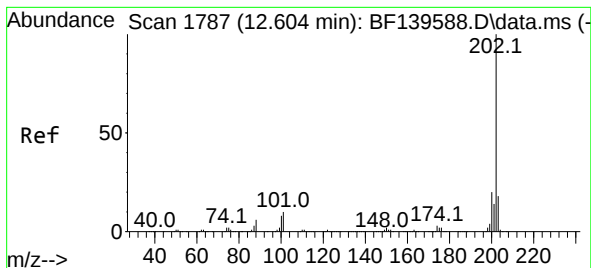


#73
 Carbazole
 Concen: 2.784 ng
 RT: 11.621 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF139771.D
 Acq: 11 Oct 2024 13:23



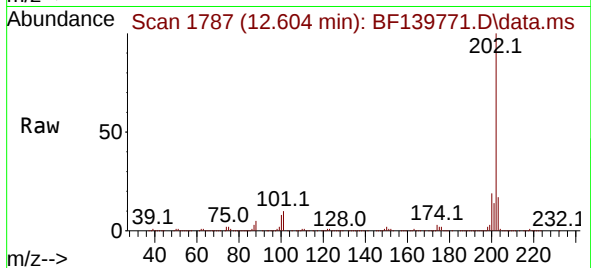
Tgt Ion:167 Resp: 22328
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.2 25.8
 139 13.7 10.3 15.5





#75
Fluoranthene
Concen: 40.399 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

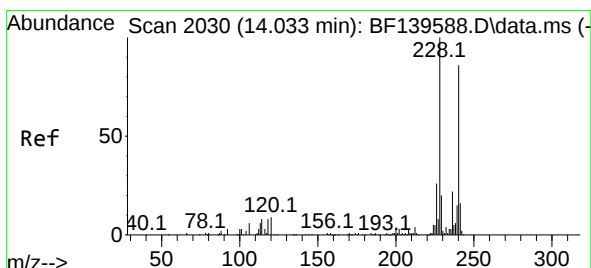
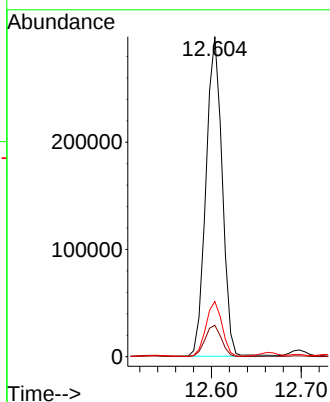
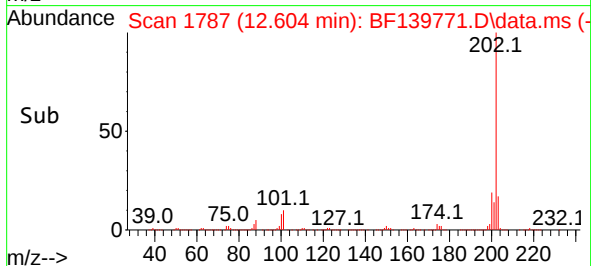
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:202 Resp: 372688
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.2 0.0 37.7

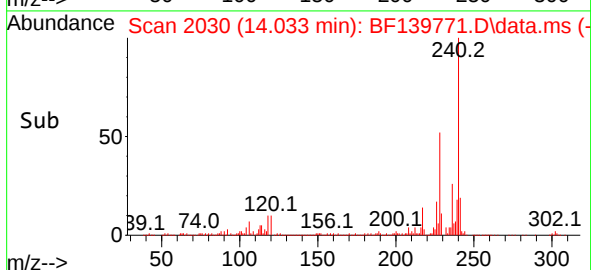
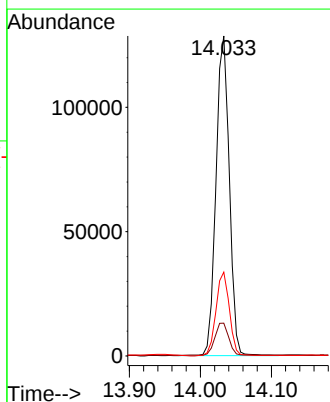
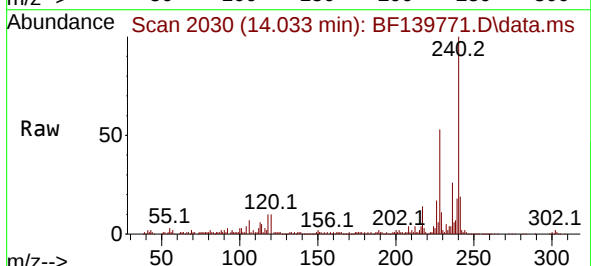
Manual Integrations
APPROVED

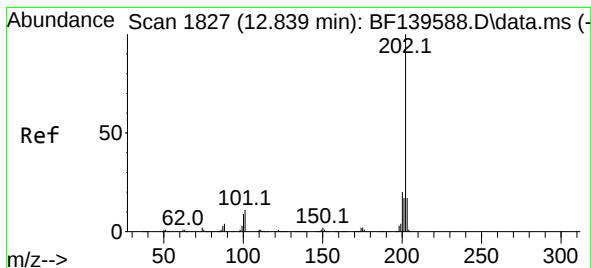
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Tgt Ion:240 Resp: 166148
Ion Ratio Lower Upper
240 100
120 10.3 8.4 12.6
236 26.2 20.3 30.5





#78

Pyrene

Concen: 22.498 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

Instrument :

BNA_F

ClientSampleId :

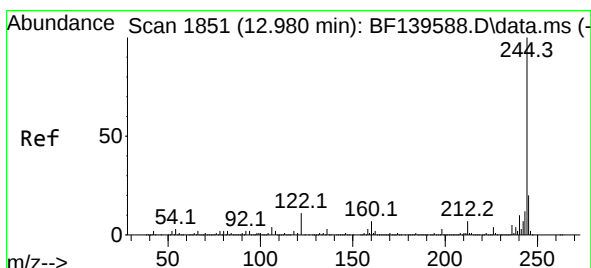
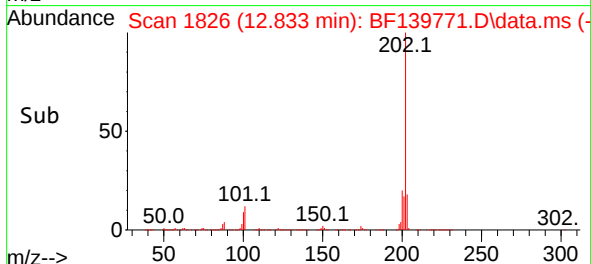
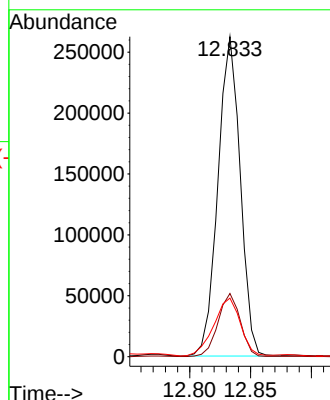
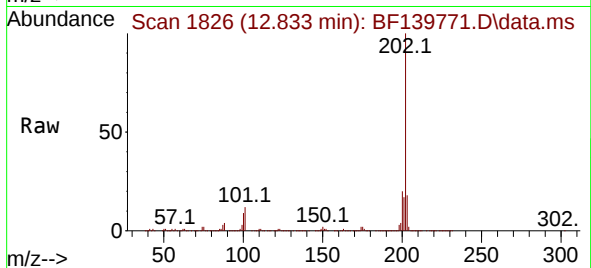
SB-05-0.167-0.667

Tgt Ion:202	Resp: 334320
Ion Ratio	Lower Upper
202 100	
200 19.7	15.8 23.6
203 18.3	13.8 20.8

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 40.037 ng

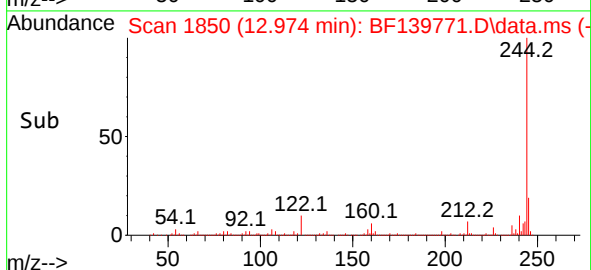
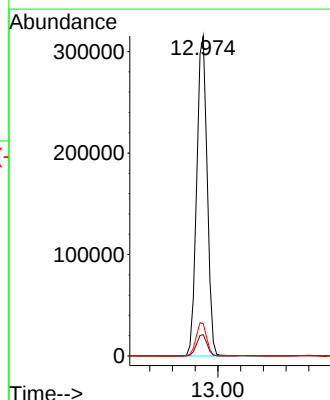
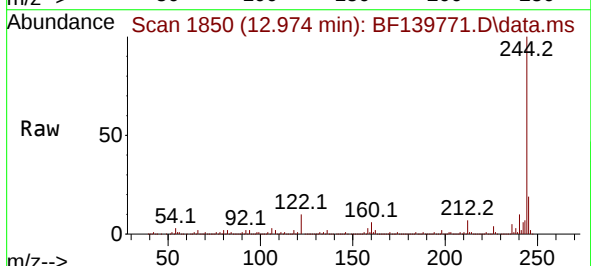
RT: 12.974 min Scan# 1850

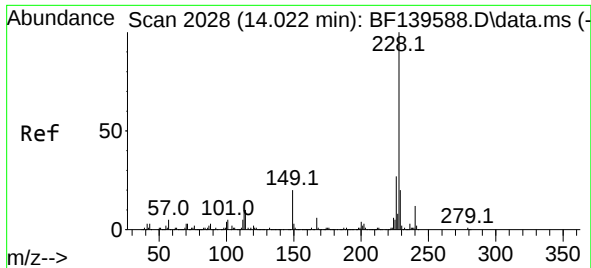
Delta R.T. -0.006 min

Lab File: BF139771.D

Acq: 11 Oct 2024 13:23

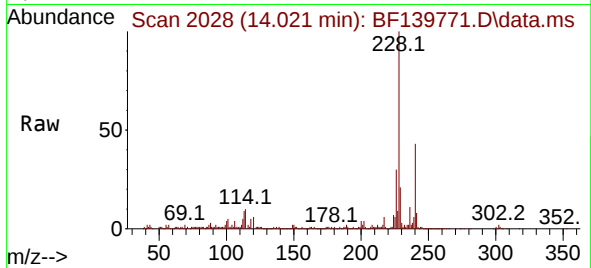
Tgt Ion:244	Resp: 405404
Ion Ratio	Lower Upper
244 100	
212 6.7	5.8 8.6
122 10.1	8.6 12.8





#81
Benzo(a)anthracene
Concen: 19.364 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

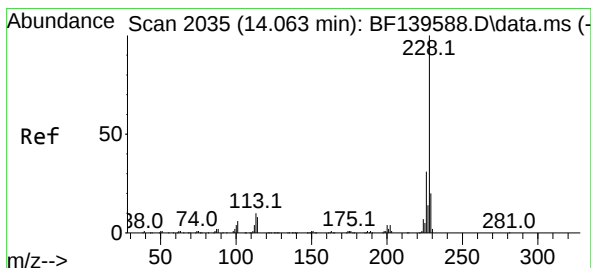
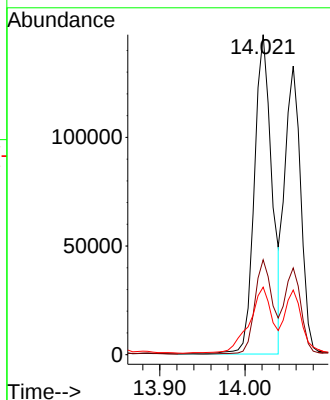
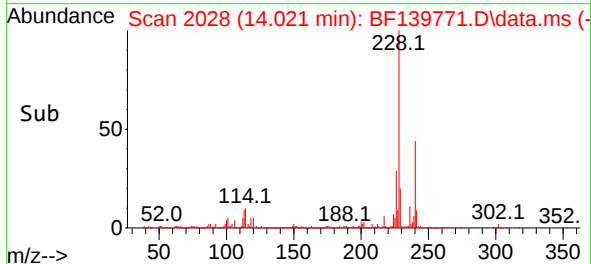
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:228 Resp: 21152
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 21.1 15.8 23.8

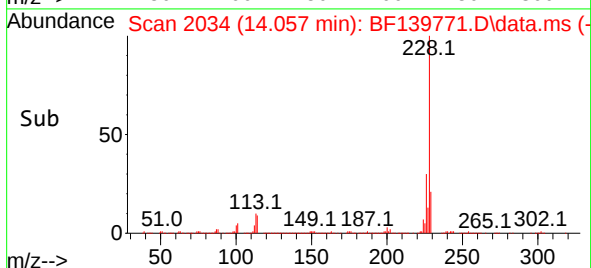
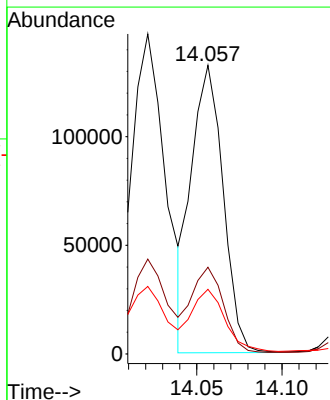
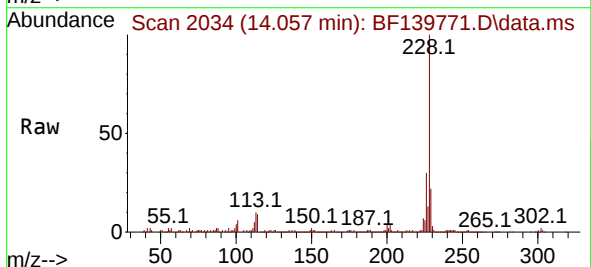
Manual Integrations
APPROVED

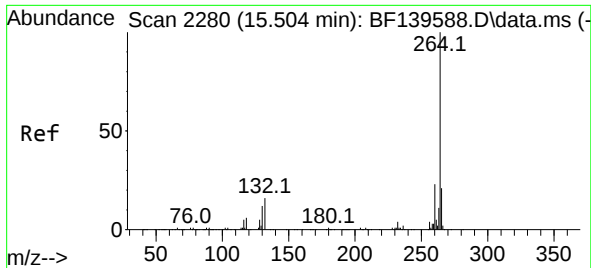
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#83
Chrysene
Concen: 17.114 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

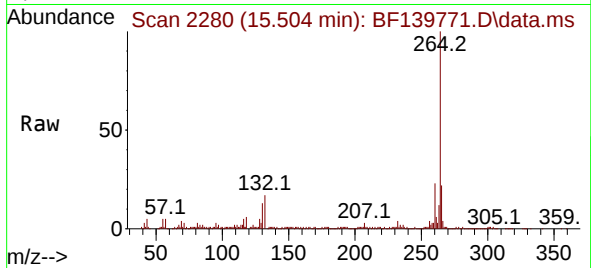
Tgt Ion:228 Resp: 170915
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

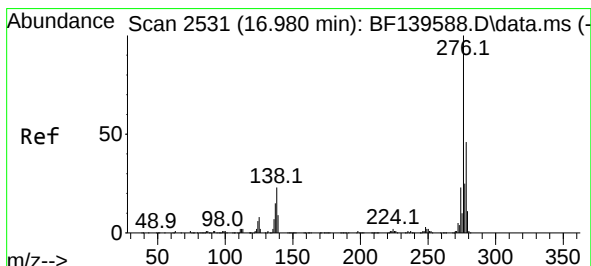
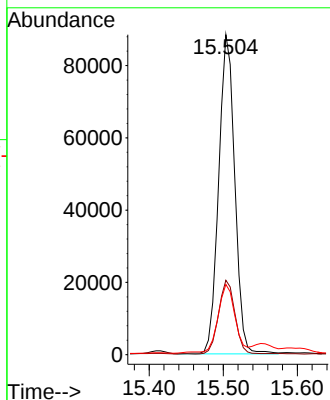
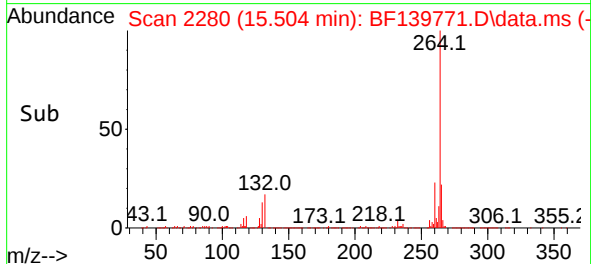
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:264 Resp: 13361
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.9 16.9 25.3

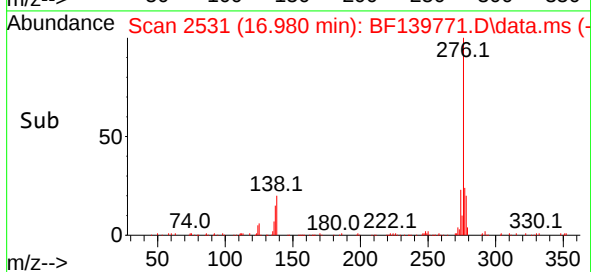
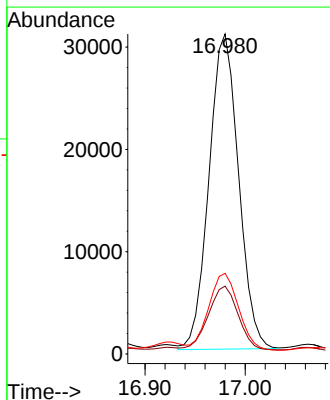
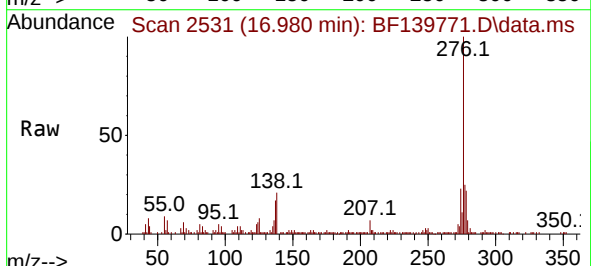
Manual Integrations
APPROVED

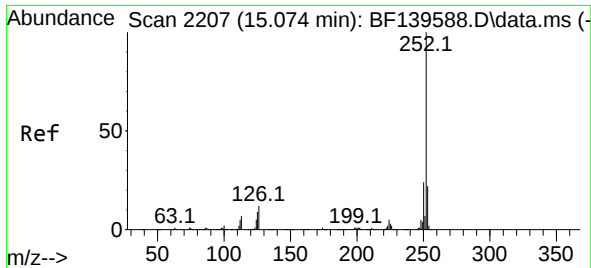
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.034 ng
RT: 16.980 min Scan# 2531
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

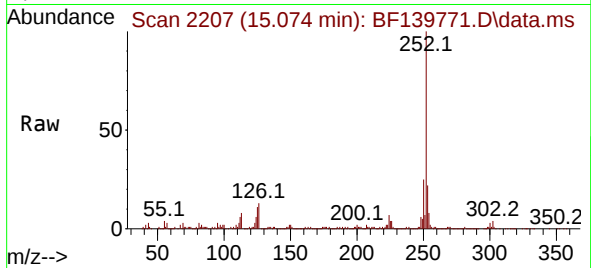
Tgt Ion:276 Resp: 63183
Ion Ratio Lower Upper
276 100
138 20.2 19.4 29.0
277 24.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 23.683 ng m
RT: 15.074 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

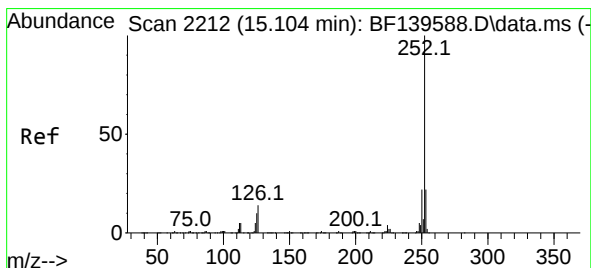
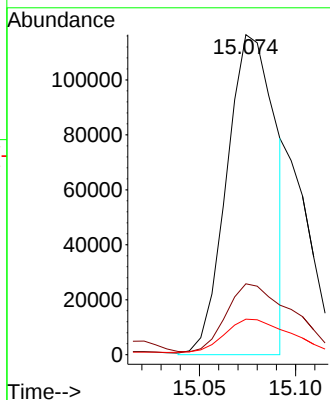
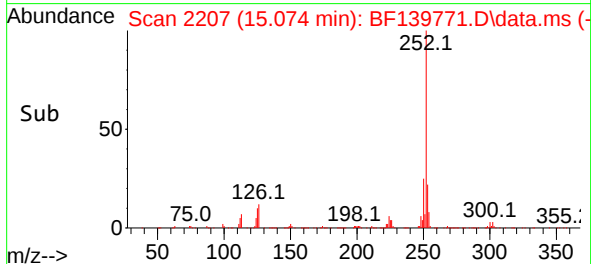
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:252 Resp: 204599
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.1 7.4 11.0

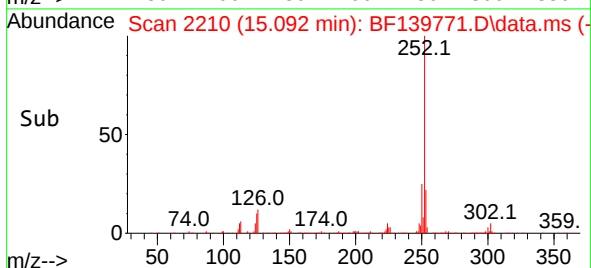
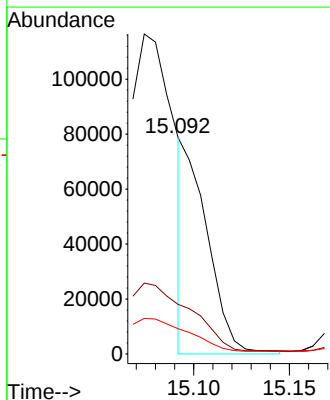
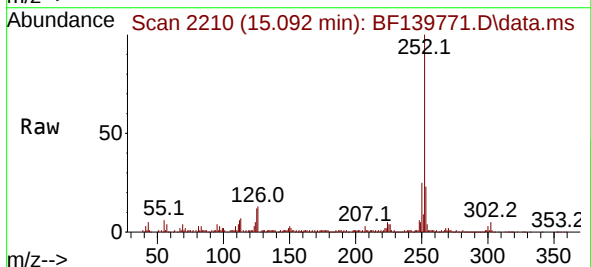
Manual Integrations
APPROVED

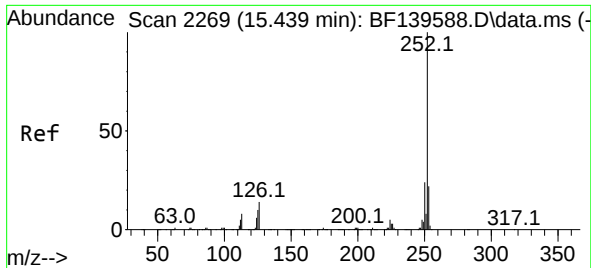
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#89
Benzo(k)fluoranthene
Concen: 9.096 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.012 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

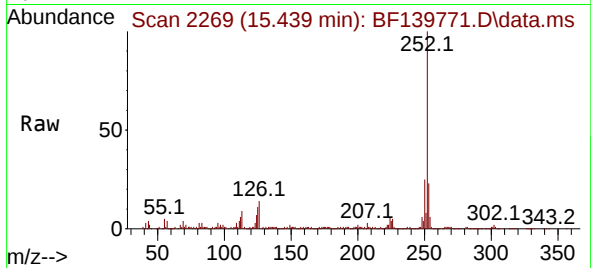
Tgt Ion:252 Resp: 66655
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 11.7 7.6 11.4





#90
Benzo(a)pyrene
Concen: 18.856 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

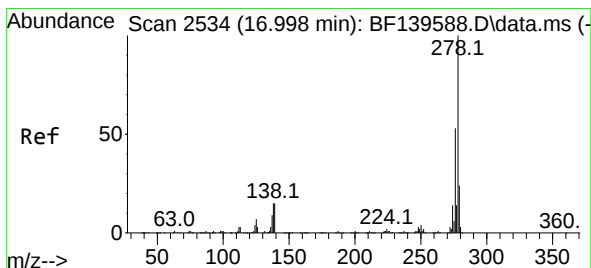
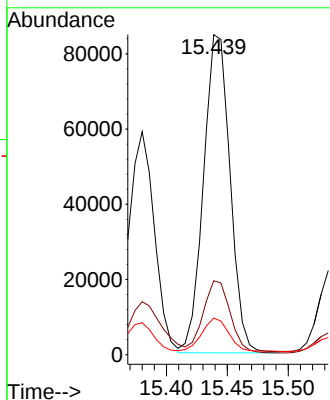
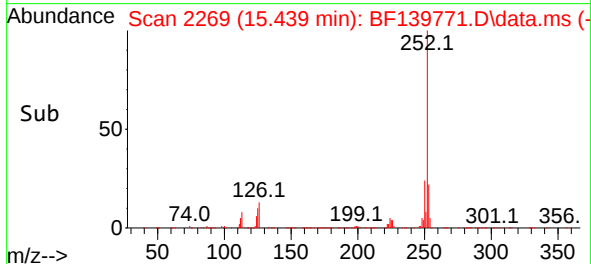
Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:252 Resp: 128440
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.4 8.3 12.5

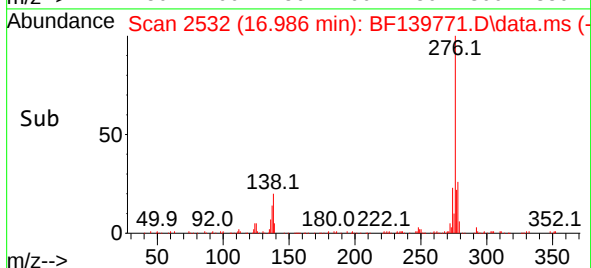
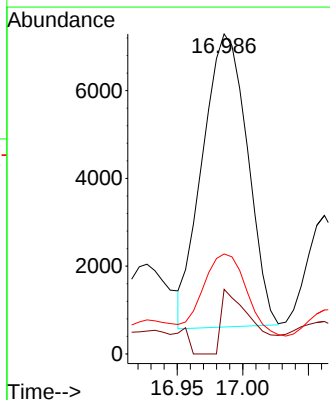
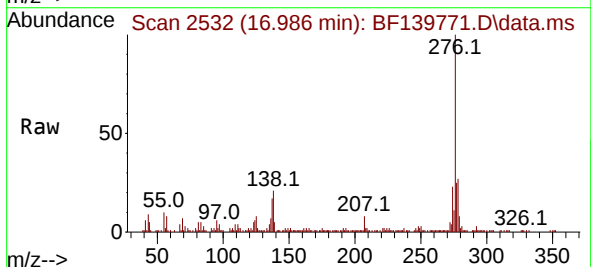
Manual Integrations
APPROVED

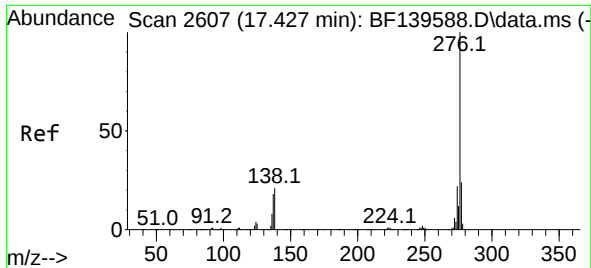
Reviewed By :Jagrut Upadhyay 10/14/2024
Supervised By :mohammad ahmed 10/15/2024



#91
Dibenzo(a,h)anthracene
Concen: 2.446 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

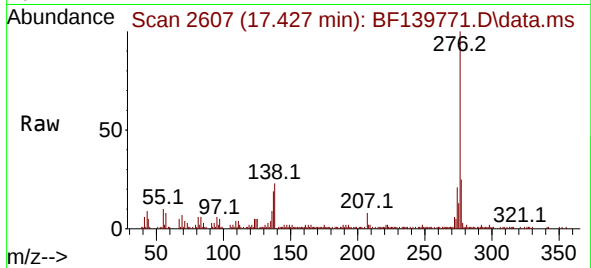
Tgt Ion:278 Resp: 15952
Ion Ratio Lower Upper
278 100
139 20.2 12.2 18.4#
279 31.3 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 9.105 ng
RT: 17.427 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF139771.D
Acq: 11 Oct 2024 13:23

Instrument :
BNA_F
ClientSampleId :
SB-05-0.167-0.667



Tgt Ion:276 Resp: 5955
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.6
138 22.9 17.0 25.6

Manual Integrations
APPROVED

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

