

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137779.D
 Acq On : 30 Apr 2024 19:34
 Operator : CG\JU
 Sample : P2308-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 346

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024

Quant Time: May 01 04:25:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	193276	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	705277	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	330797	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	471263	20.000	ng	0.00
76) Chrysene-d12	14.257	240	406808	20.000	ng	0.00
86) Perylene-d12	15.833	264	494514	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	129479	11.216	ng	0.00
7) Phenol-d6	6.657	99	156143	10.664	ng	-0.02
23) Nitrobenzene-d5	7.610	82	84914	6.995	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	28822	8.533	ng	0.00
45) 2-Fluorobiphenyl	9.410	172	183402	8.995	ng	-0.01
79) Terphenyl-d14	13.180	244	159823	6.584	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.363	128	178080	5.081	ng	99
37) 2-Methylnaphthalene	9.051	142	73858	3.255	ng	99
38) 1-Methylnaphthalene	9.151	142	78970	3.538	ng	99
49) Acenaphthylene	9.963	152	176588	6.660	ng	98
52) Acenaphthene	10.133	154	136112	7.745	ng	98
55) Dibenzofuran	10.310	168	154942	6.058	ng	95
58) Fluorene	10.651	166	202753	9.961	ng	100
71) Phenanthrene	11.627	178	2913124	126.822	ng	98
72) Anthracene	11.674	178	653815	28.607	ng	99
73) Carbazole	11.821	167	199262	9.046	ng	98
75) Fluoranthene	12.833	202	4335111	172.652	ng	98
78) Pyrene	13.063	202	4239487	131.437	ng	97
81) Benzo(a)anthracene	14.245	228	2319132	89.132	ng	97
83) Chrysene	14.286	228	2319189	95.195	ng	97
87) Indeno(1,2,3-cd)pyrene	17.486	276	1054145	37.495	ng	96
88) Benzo(b)fluoranthene	15.368	252	3099684m	100.746	ng	
89) Benzo(k)fluoranthene	15.398	252	979591m	32.941	ng	
90) Benzo(a)pyrene	15.774	252	2076474	82.725	ng	96
91) Dibenzo(a,h)anthracene	17.492	278	267895	11.706	ng	92
92) Benzo(g,h,i)perylene	17.986	276	900743	37.546	ng	97

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

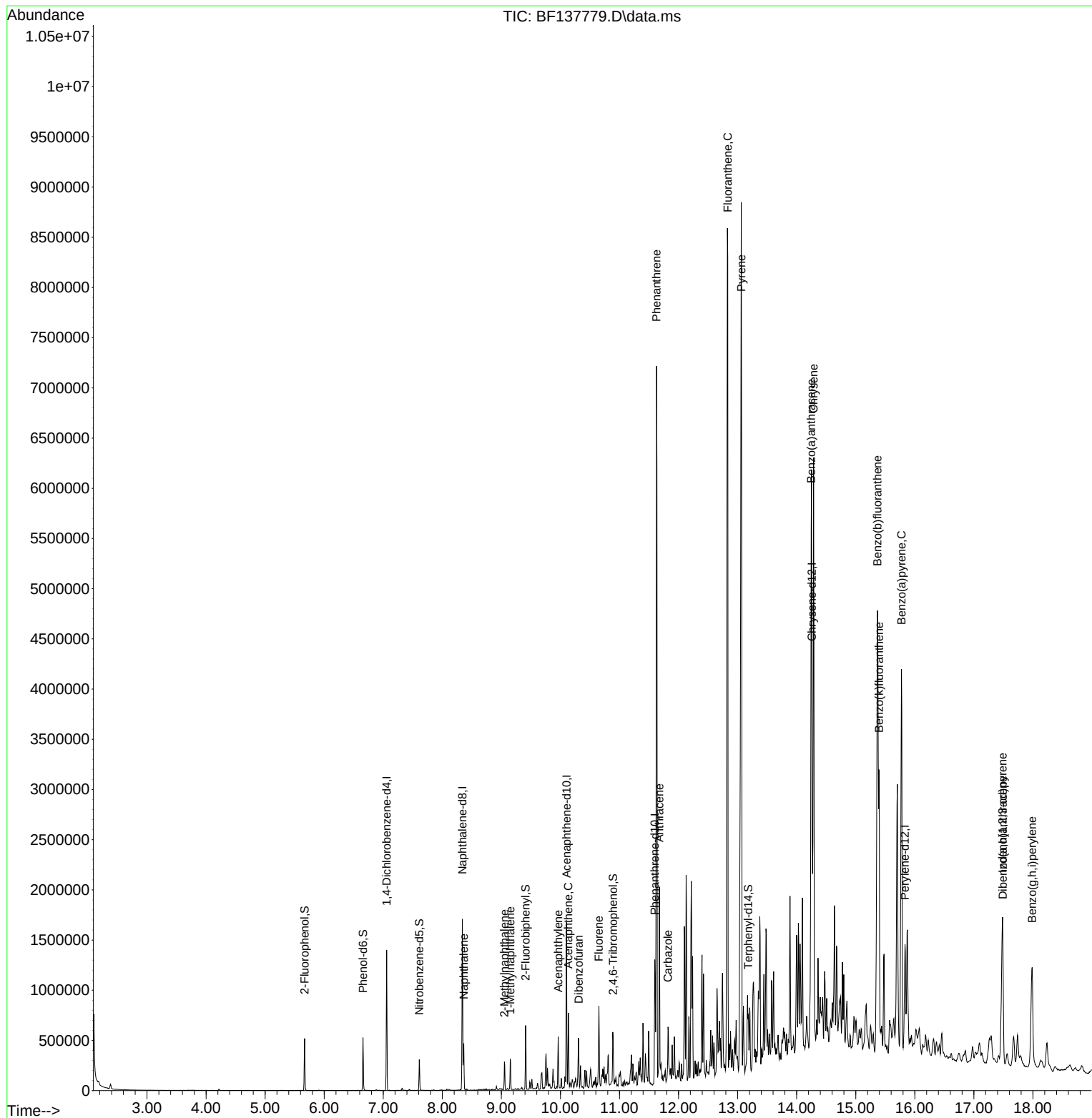
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
Data File : BF137779.D
Acq On : 30 Apr 2024 19:34
Operator : CG\JU
Sample : P2308-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

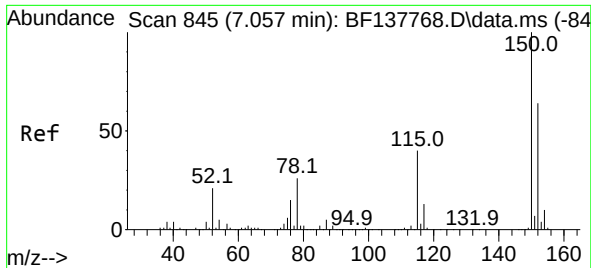
Instrument :
BNA_F
ClientSampleId :
346

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

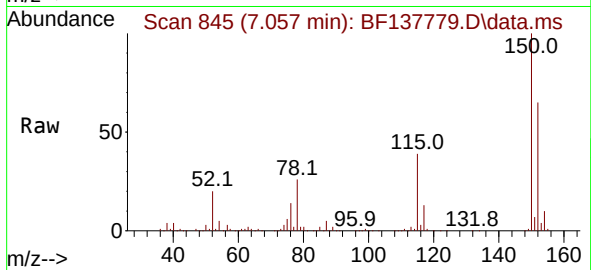
Quant Time: May 01 04:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:25:08 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

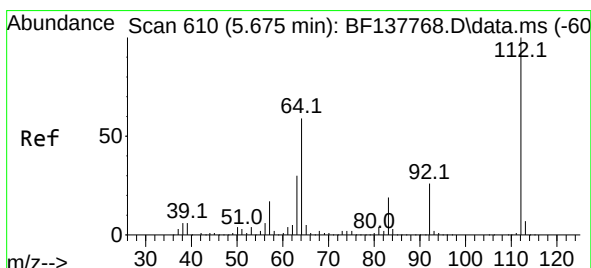
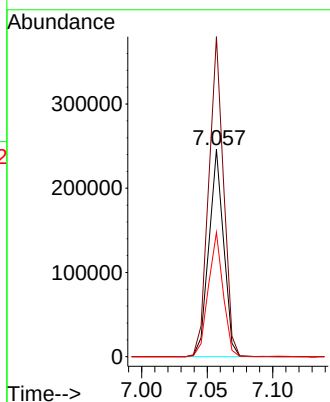
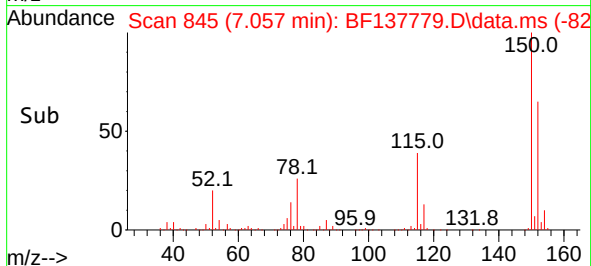
Instrument :
BNA_F
ClientSampleId :
346



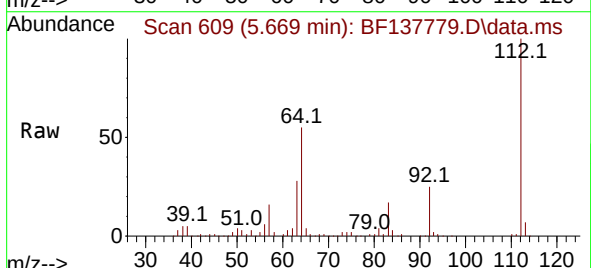
Tgt Ion:152 Resp: 193270
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 60.0 49.1 73.7

Manual Integrations
APPROVED

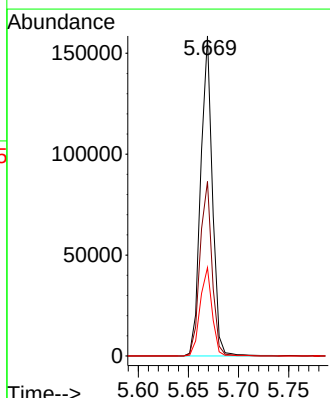
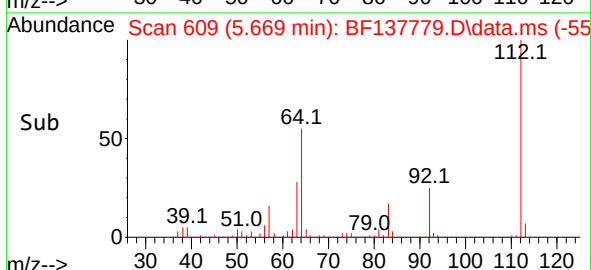
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

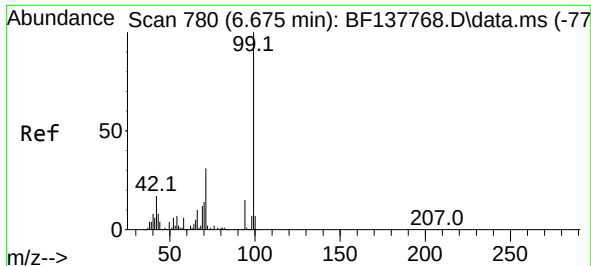


#5
2-Fluorophenol
Concen: 11.216 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34



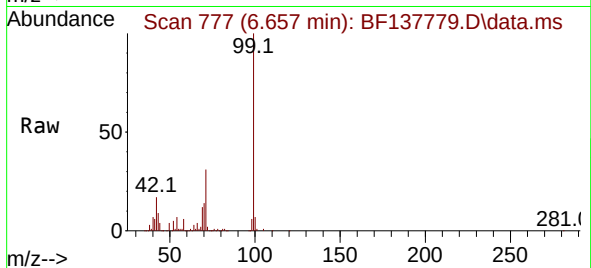
Tgt Ion:112 Resp: 129479
Ion Ratio Lower Upper
112 100
64 54.5 47.3 70.9
63 27.6 23.7 35.5





#7
Phenol-d6
Concen: 10.664 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

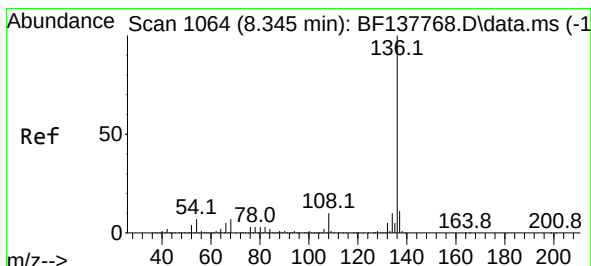
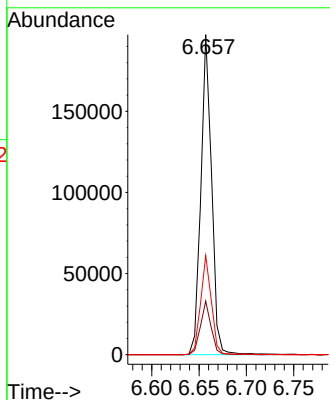
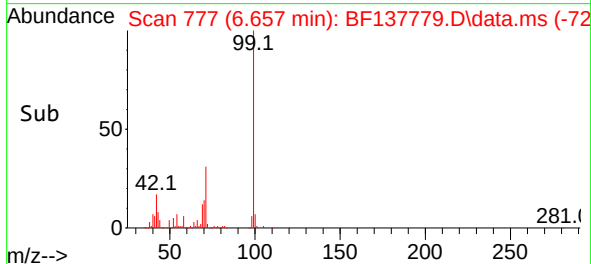
Instrument :
BNA_F
ClientSampleId :
346



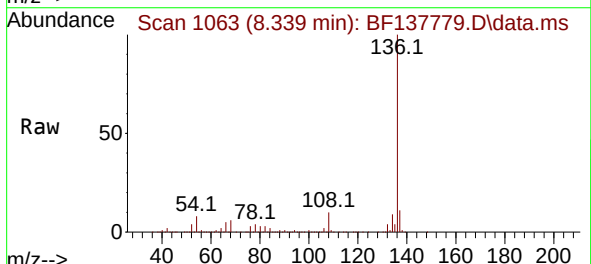
Tgt Ion: 99 Resp: 15614
Ion Ratio Lower Upper
99 100
42 16.8 13.2 19.8
71 31.0 25.0 37.4

Manual Integrations
APPROVED

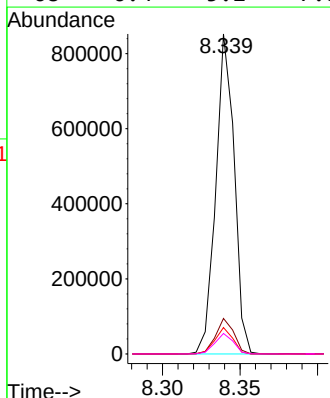
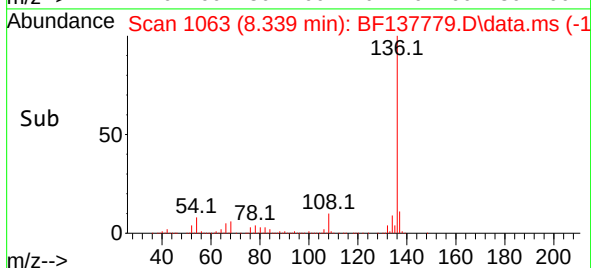
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

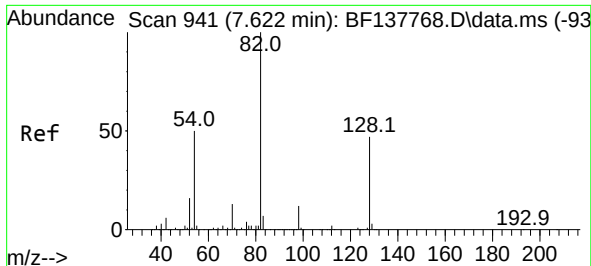


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34



Tgt Ion:136 Resp: 705277
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 5.8 8.8
68 6.4 5.2 7.8





#23

Nitrobenzene-d5

Concen: 6.995 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

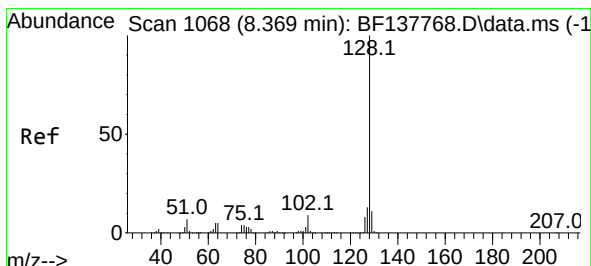
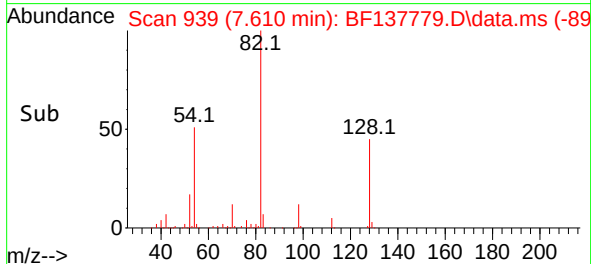
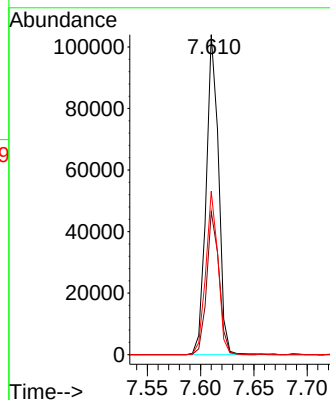
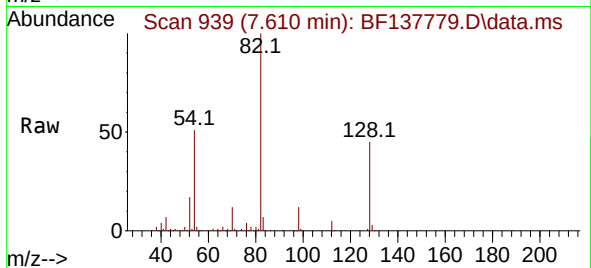
346

Tgt Ion:	82	Resp:	84914
Ion Ratio	Lower	Upper	
82	100		
128	44.7	37.5	56.3
54	51.0	39.8	59.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#31

Naphthalene

Concen: 5.081 ng

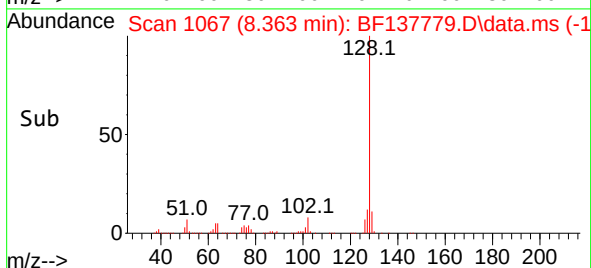
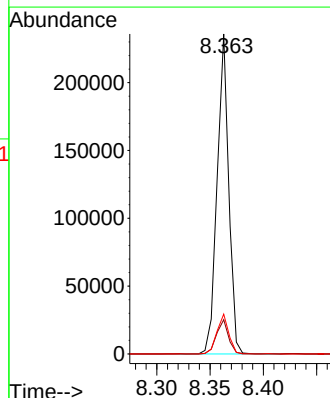
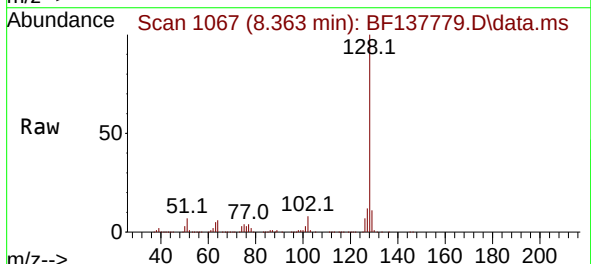
RT: 8.363 min Scan# 1067

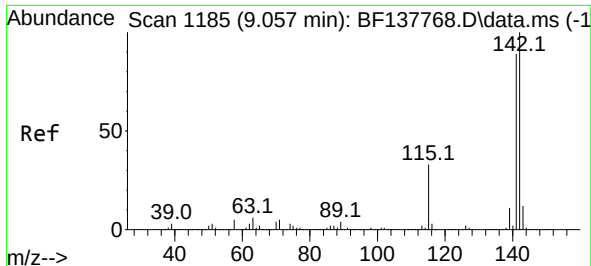
Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

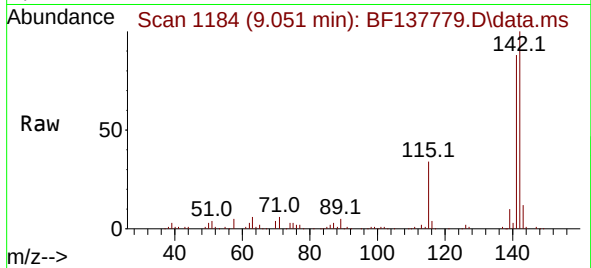
Tgt Ion:	128	Resp:	178080
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	12.5	10.6	16.0





#37
2-Methylnaphthalene
Concen: 3.255 ng
RT: 9.051 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

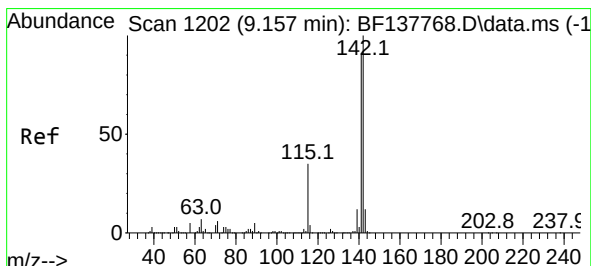
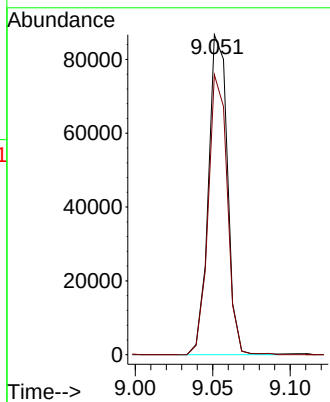
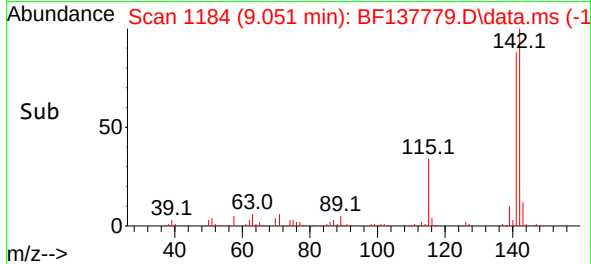
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:142 Resp: 7385
Ion Ratio Lower Upper
142 100
141 87.5 70.8 106.2

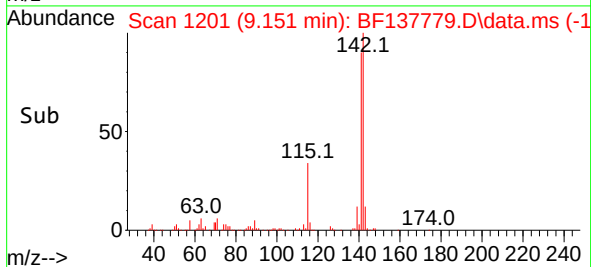
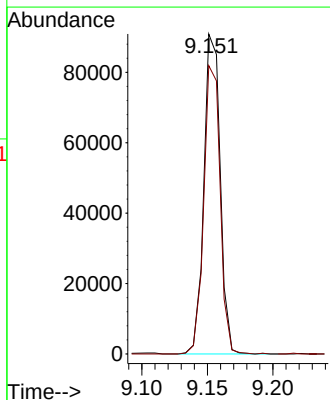
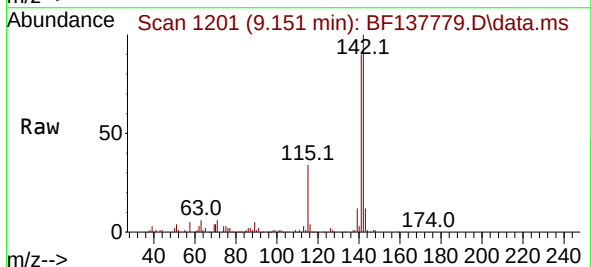
Manual Integrations
APPROVED

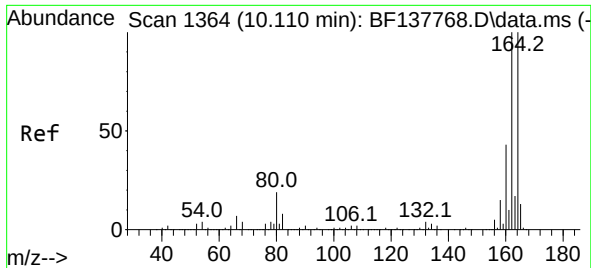
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#38
1-Methylnaphthalene
Concen: 3.538 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

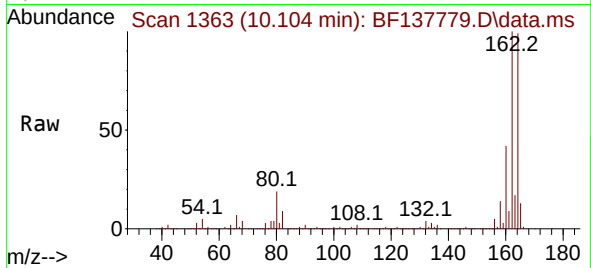
Tgt Ion:142 Resp: 78970
Ion Ratio Lower Upper
142 100
141 90.1 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

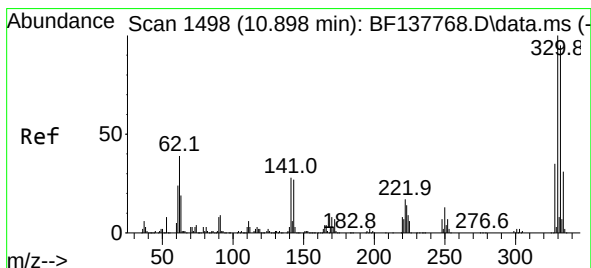
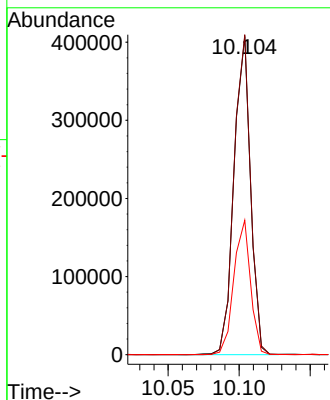
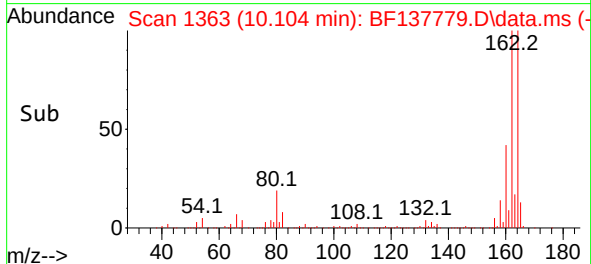
Instrument :
BNA_F
ClientSampleId :
346



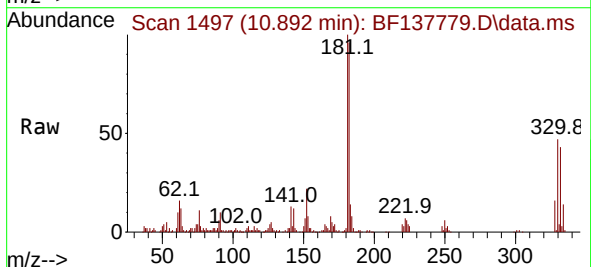
Tgt Ion:164 Resp: 33079
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.6
160 42.2 34.4 51.6

Manual Integrations
APPROVED

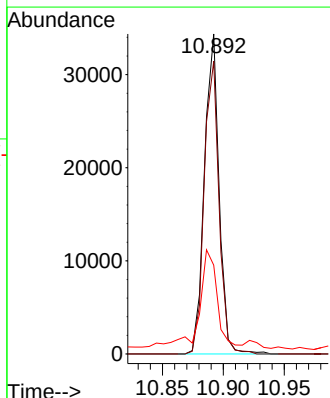
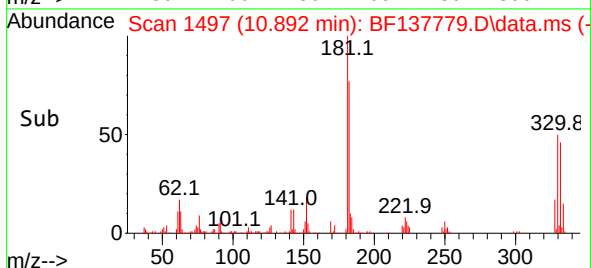
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

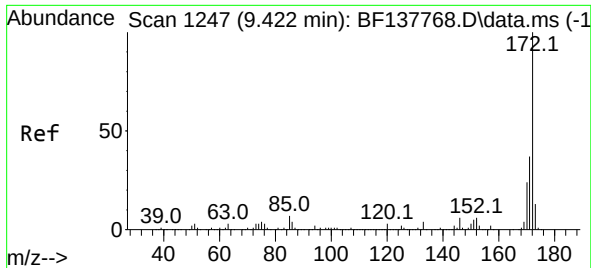


#42
2,4,6-Tribromophenol
Concen: 8.533 ng
RT: 10.892 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34



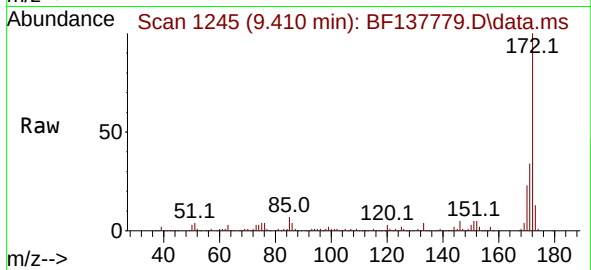
Tgt Ion:330 Resp: 28822
Ion Ratio Lower Upper
330 100
332 92.3 77.3 115.9
141 39.4 23.8 35.6#





#45
2-Fluorobiphenyl
Concen: 8.995 ng
RT: 9.410 min Scan# 1339
Delta R.T. -0.012 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

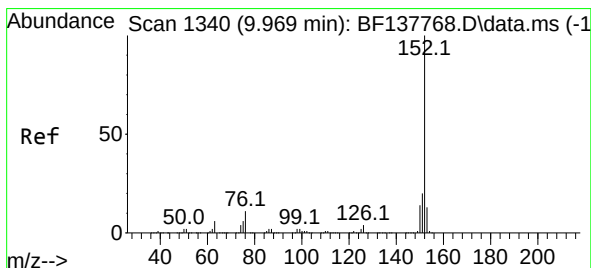
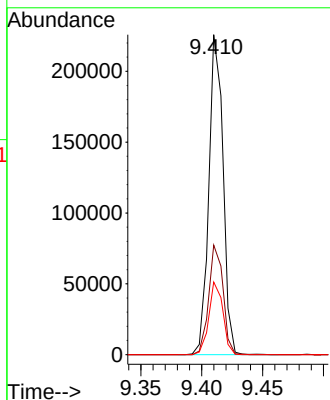
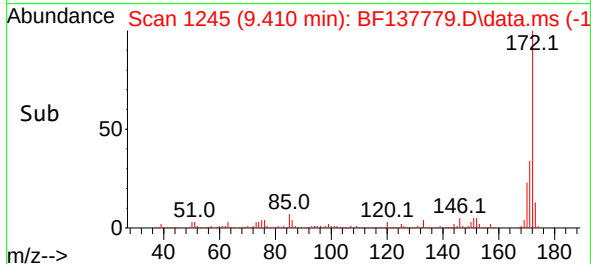
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:172 Resp: 183402
Ion Ratio Lower Upper
172 100
171 34.2 29.6 44.4
170 22.7 19.4 29.2

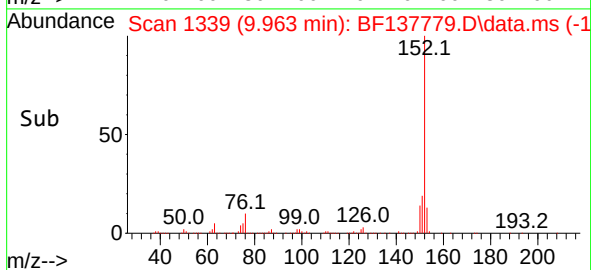
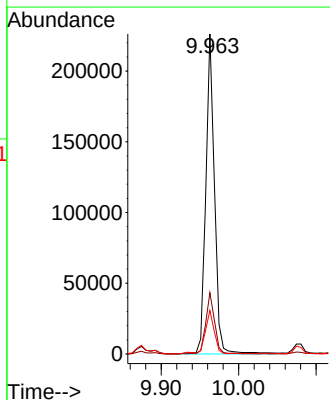
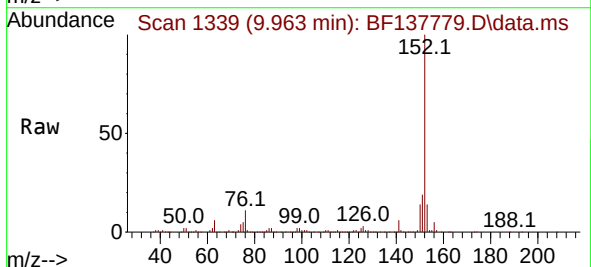
Manual Integrations
APPROVED

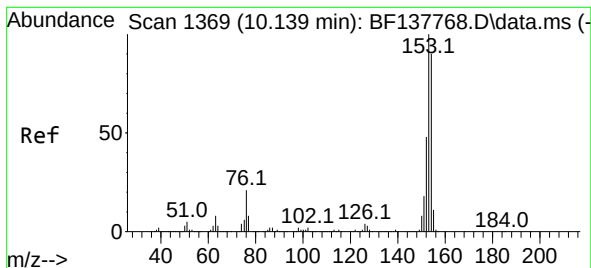
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#49
Acenaphthylene
Concen: 6.660 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion:152 Resp: 176588
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 13.6 10.8 16.2





#52

Acenaphthene

Concen: 7.745 ng

RT: 10.133 min Scan# 1368

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

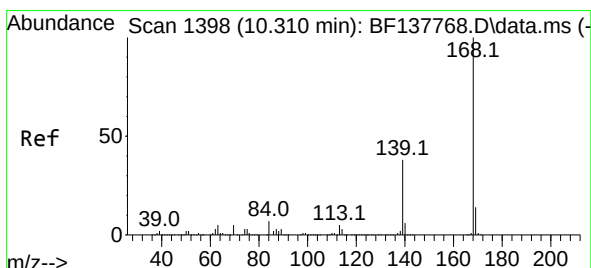
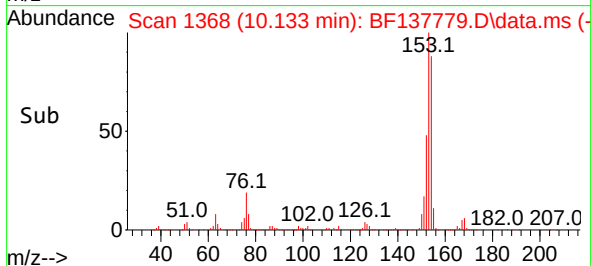
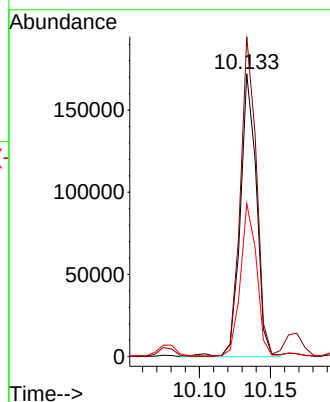
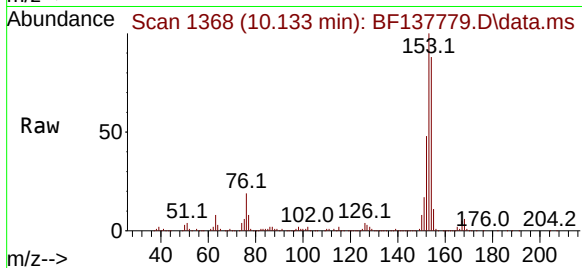
346

Tgt Ion:	154	Resp:	13611
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.7	133.1
152	54.1	42.8	64.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#55

Dibenzofuran

Concen: 6.058 ng

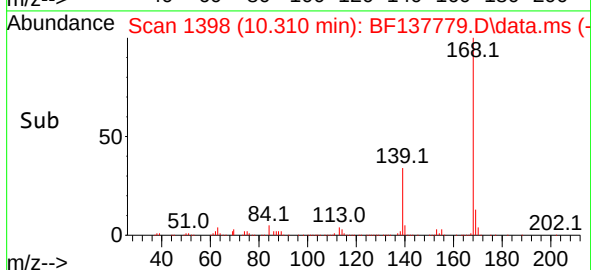
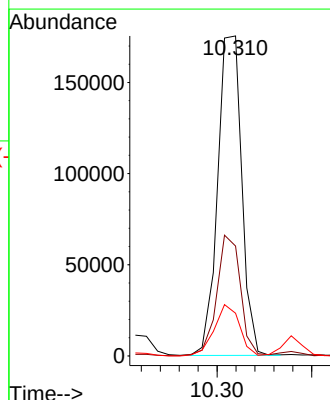
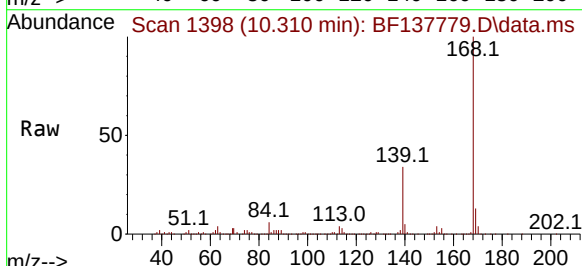
RT: 10.310 min Scan# 1398

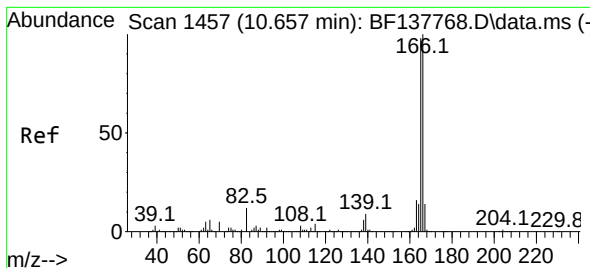
Delta R.T. -0.000 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

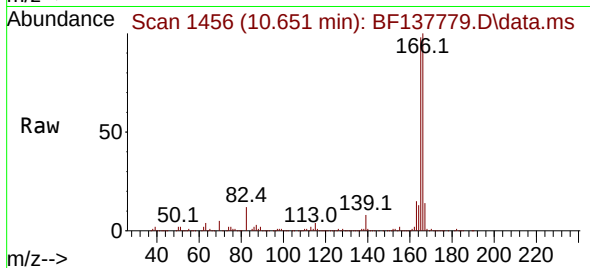
Tgt Ion:	168	Resp:	154942
Ion Ratio	Lower	Upper	
168	100		
139	34.4	30.2	45.4
169	13.4	11.4	17.0





#58
Fluorene
Concen: 9.961 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

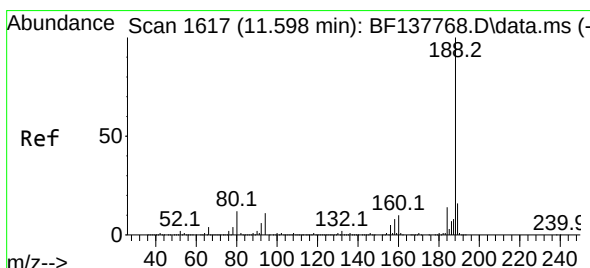
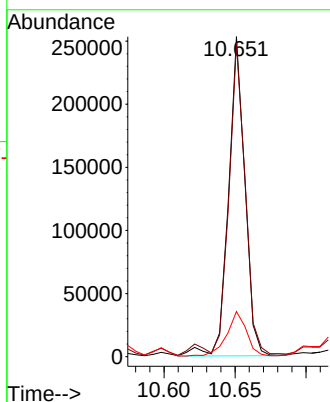
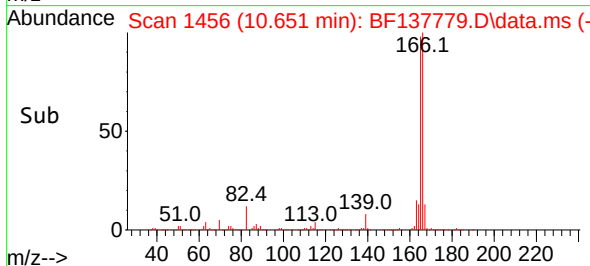
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:166 Resp: 20275
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.2
167 14.1 10.9 16.3

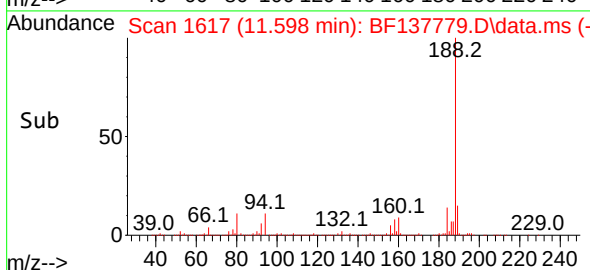
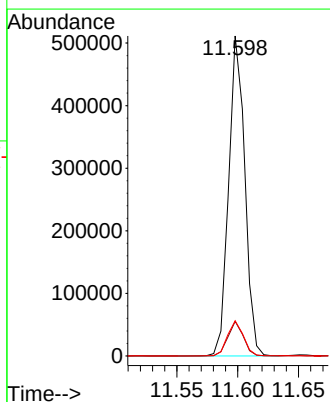
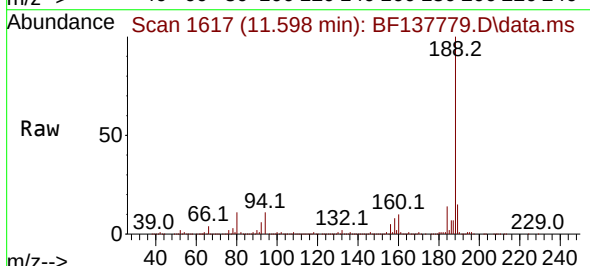
Manual Integrations
APPROVED

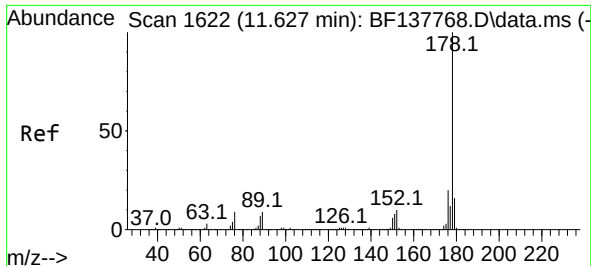
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

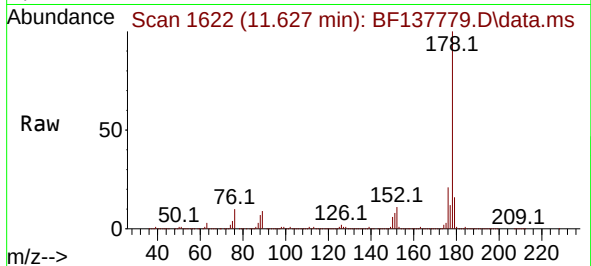
Tgt Ion:188 Resp: 471263
Ion Ratio Lower Upper
188 100
94 10.8 8.8 13.2
80 11.0 9.6 14.4





#71
Phenanthrene
Concen: 126.822 ng
RT: 11.627 min Scan# 1622
Delta R.T. -0.000 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

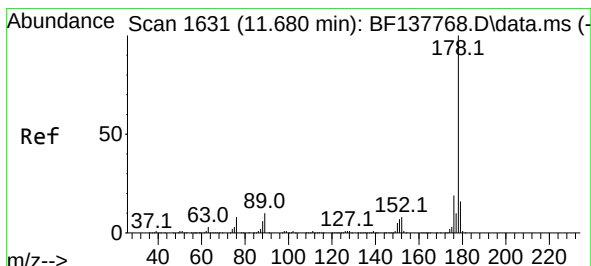
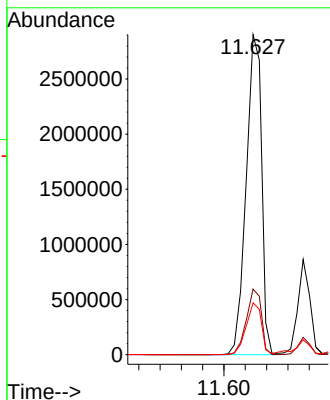
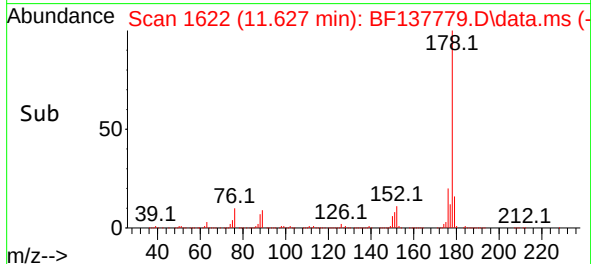
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:178 Resp: 2913124
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.6
179 16.2 12.5 18.7

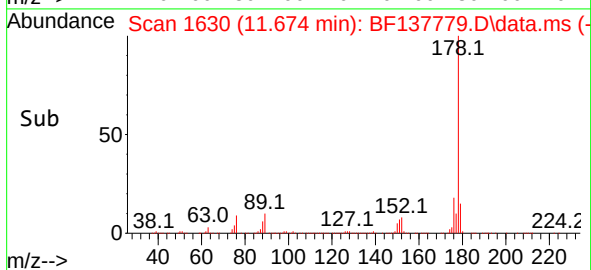
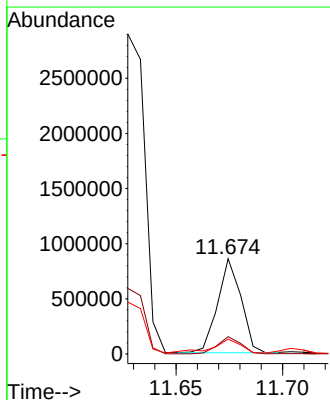
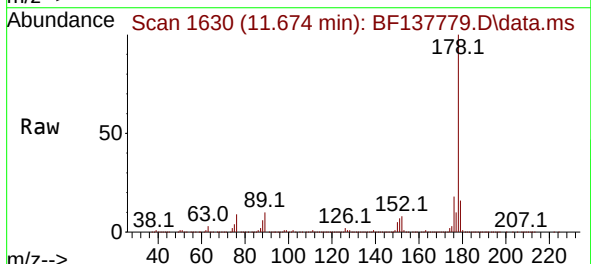
Manual Integrations
APPROVED

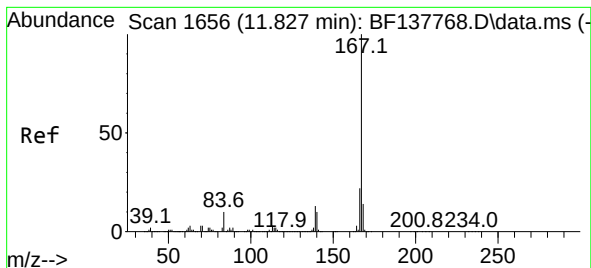
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#72
Anthracene
Concen: 28.607 ng
RT: 11.674 min Scan# 1630
Delta R.T. -0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

Tgt Ion:178 Resp: 653815
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.6 12.6 18.8





#73

Carbazole

Concen: 9.046 ng

RT: 11.821 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

Tgt Ion:167 Resp: 19926

Ion Ratio Lower Upper

167 100

166 20.7 17.6 26.4

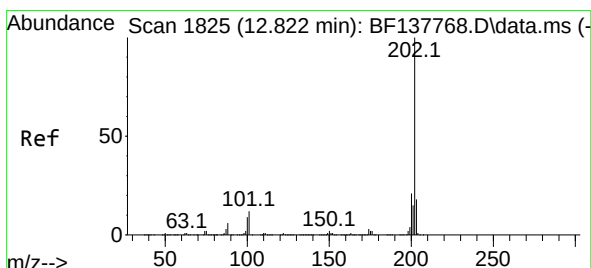
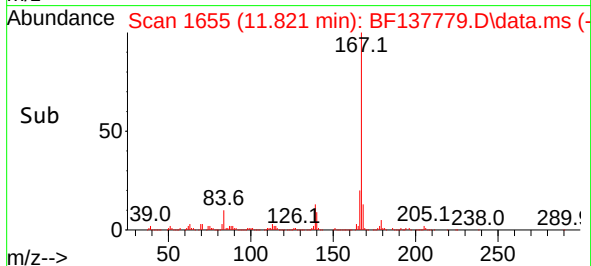
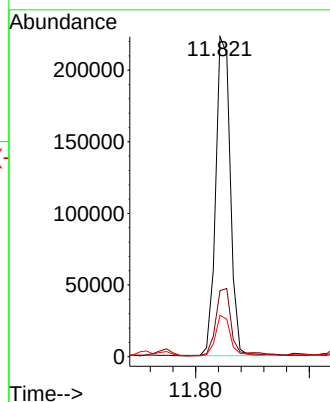
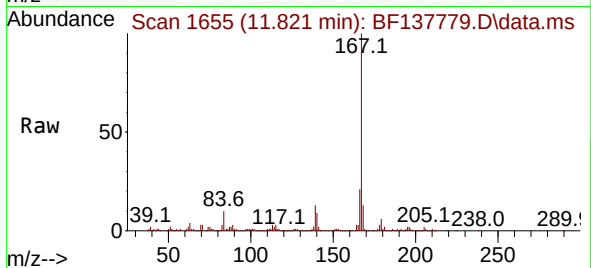
139 12.9 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024

Supervised By :mohammad ahmed 05/03/2024



#75

Fluoranthene

Concen: 172.652 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

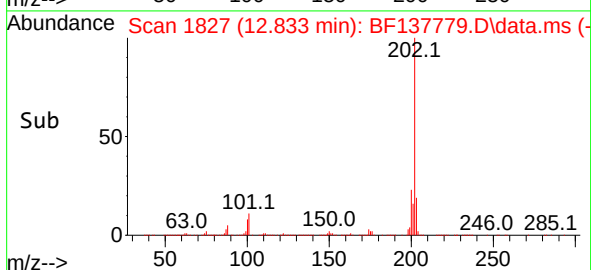
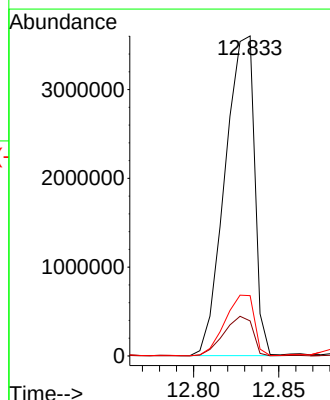
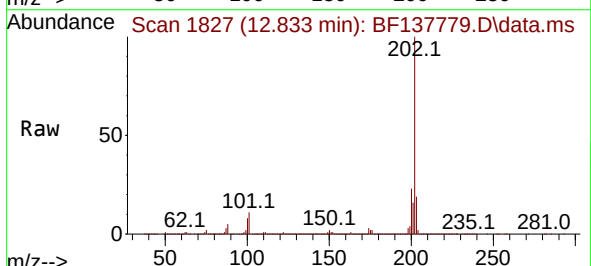
Tgt Ion:202 Resp: 4335111

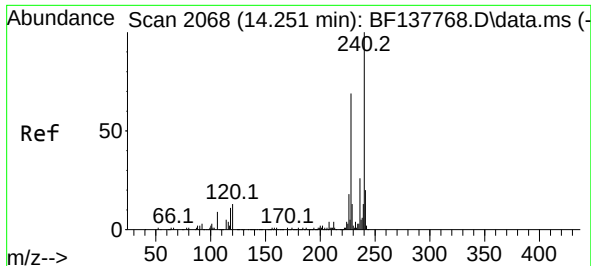
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.8

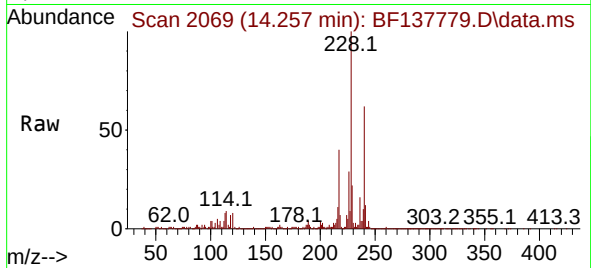
203 18.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.257 min Scan# 2069
Delta R.T. 0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

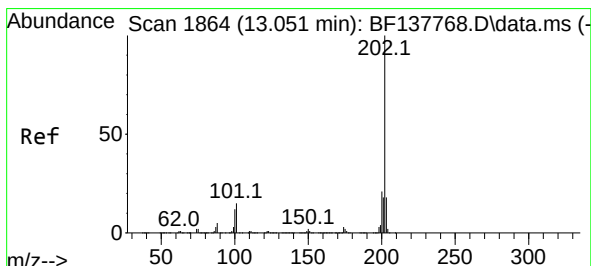
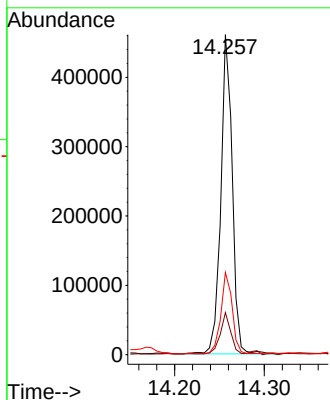
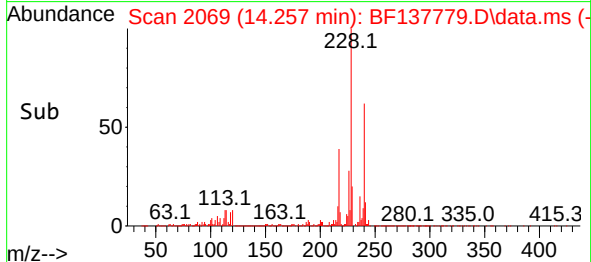
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:240 Resp: 406808
Ion Ratio Lower Upper
240 100
120 13.1 10.4 15.6
236 25.7 20.4 30.6

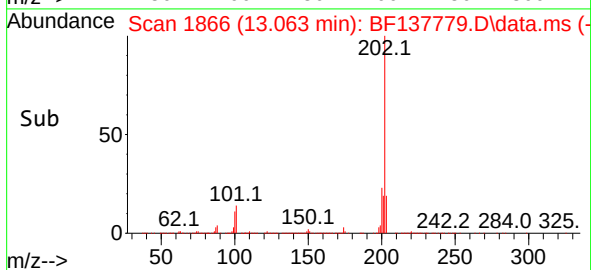
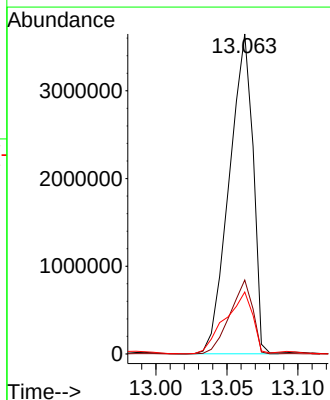
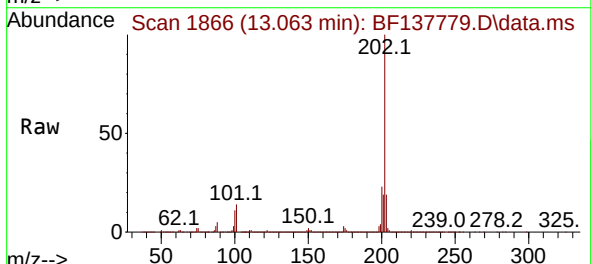
Manual Integrations
APPROVED

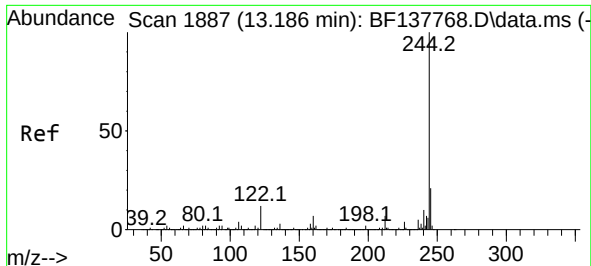
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#78
Pyrene
Concen: 131.437 ng
RT: 13.063 min Scan# 1866
Delta R.T. 0.012 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

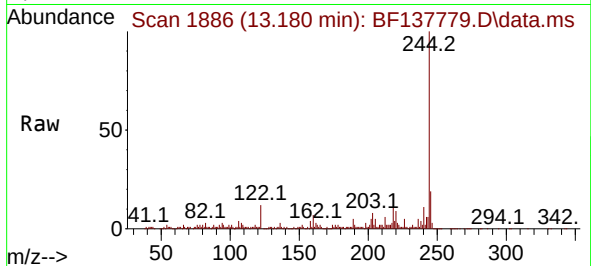
Tgt Ion:202 Resp: 4239487
Ion Ratio Lower Upper
202 100
200 23.1 17.2 25.8
203 19.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 6.584 ng
 RT: 13.180 min Scan# 1887
 Delta R.T. -0.006 min
 Lab File: BF137779.D
 Acq: 30 Apr 2024 19:34

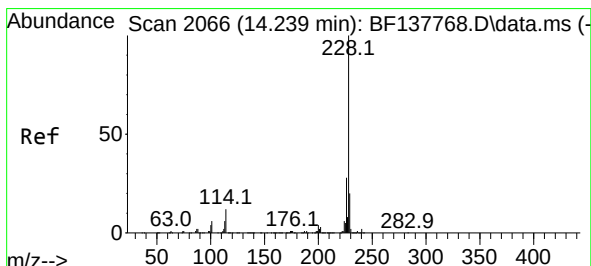
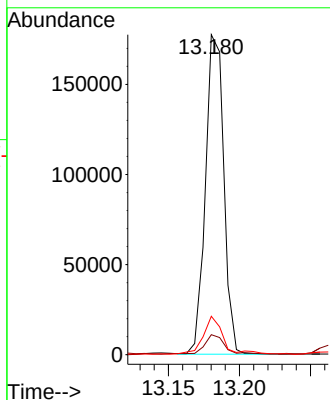
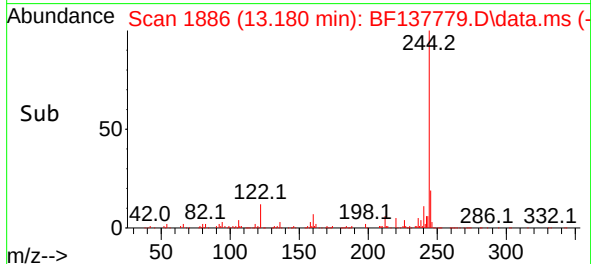
Instrument :
 BNA_F
 ClientSampleId :
 346



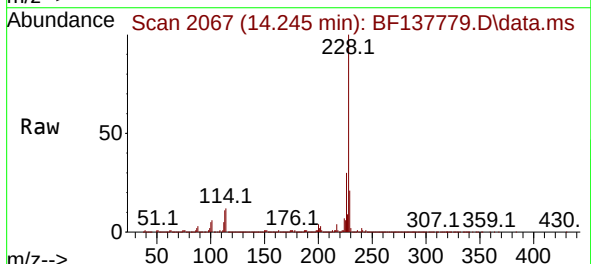
Tgt Ion:244 Resp: 159823
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 12.0 9.4 14.2

Manual Integrations
 APPROVED

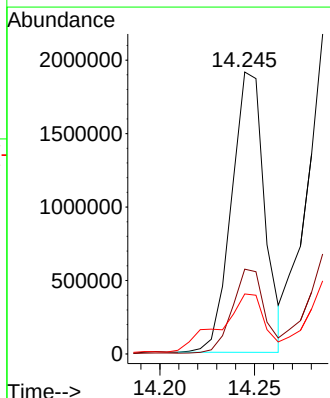
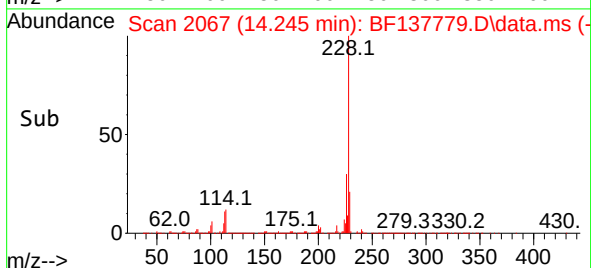
Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024

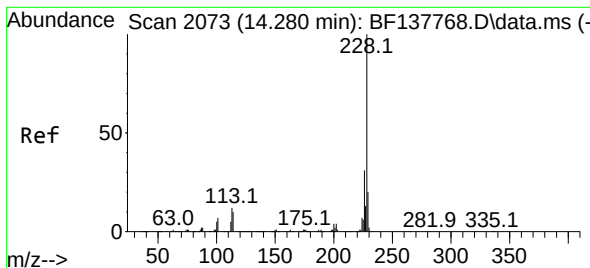


#81
 Benzo(a)anthracene
 Concen: 89.132 ng
 RT: 14.245 min Scan# 2067
 Delta R.T. 0.006 min
 Lab File: BF137779.D
 Acq: 30 Apr 2024 19:34



Tgt Ion:228 Resp: 2319132
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.2 33.2
 229 21.3 16.3 24.5





#83

Chrysene

Concen: 95.195 ng

RT: 14.286 min Scan# 2073

Delta R.T. 0.006 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

Tgt Ion:228 Resp: 2319189

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

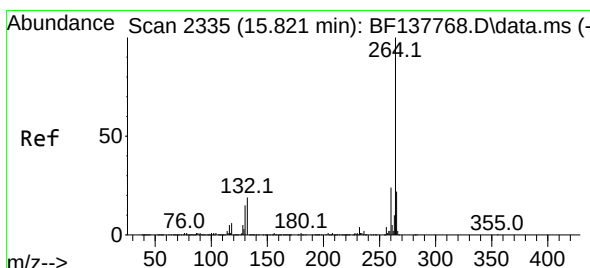
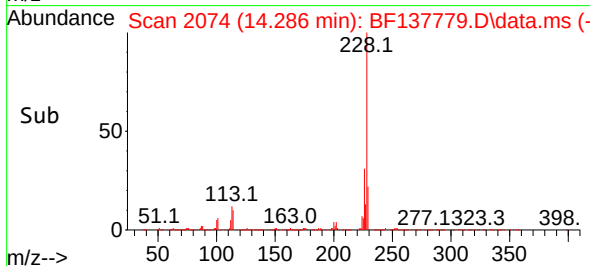
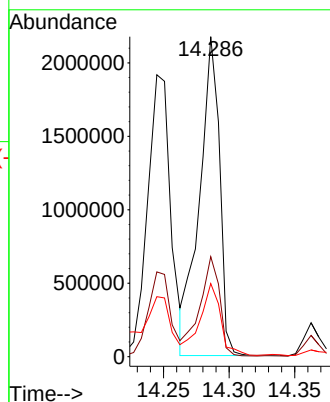
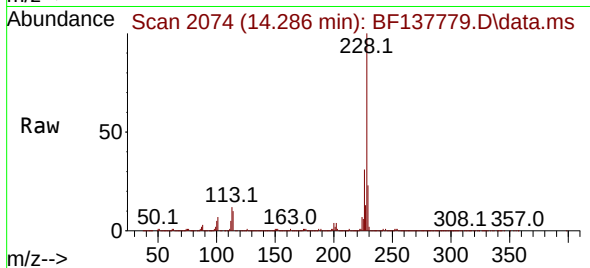
229 22.9 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024

Supervised By :mohammad ahmed 05/03/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.833 min Scan# 2337

Delta R.T. 0.012 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

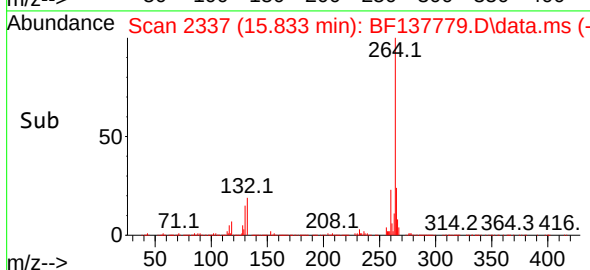
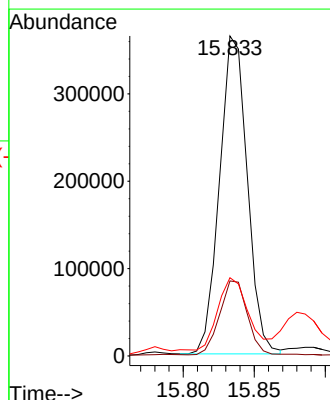
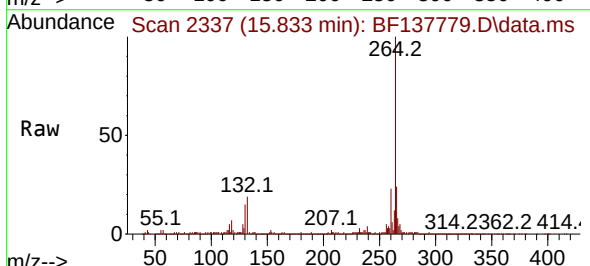
Tgt Ion:264 Resp: 494514

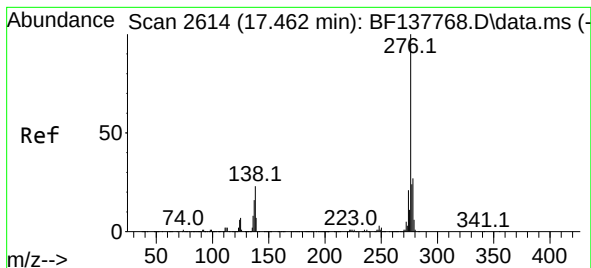
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 24.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.495 ng

RT: 17.486 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

346

Tgt Ion:276 Resp: 105414

Ion Ratio Lower Upper

276 100

138 22.6 21.4 32.0

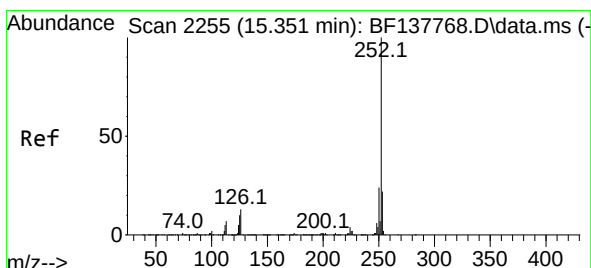
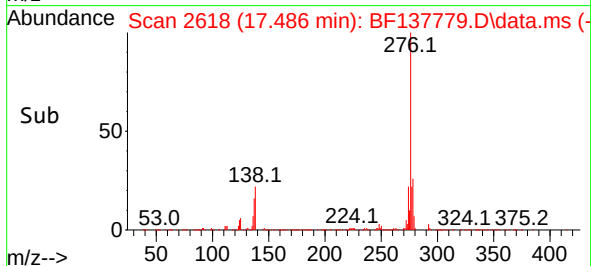
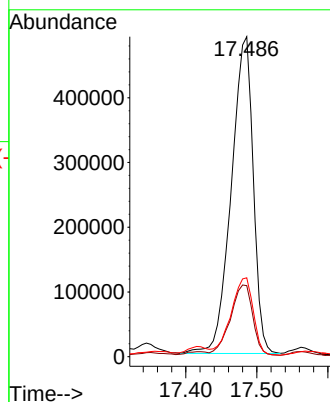
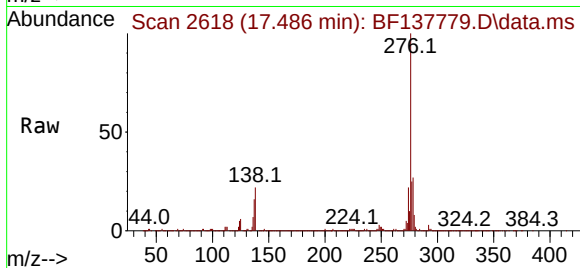
277 25.0 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024

Supervised By :mohammad ahmed 05/03/2024



#88

Benzo(b)fluoranthene

Concen: 100.746 ng m

RT: 15.368 min Scan# 2258

Delta R.T. 0.018 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

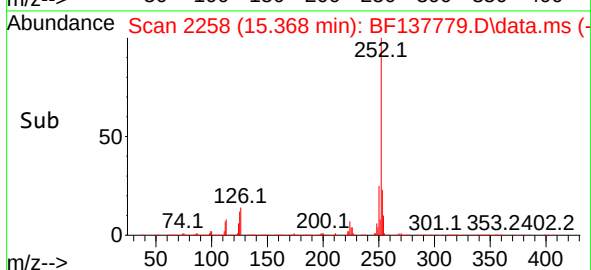
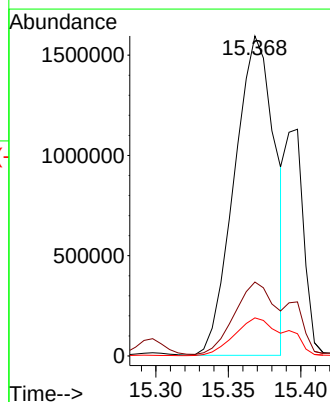
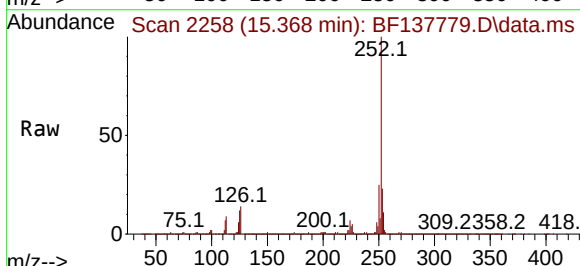
Tgt Ion:252 Resp: 3099684

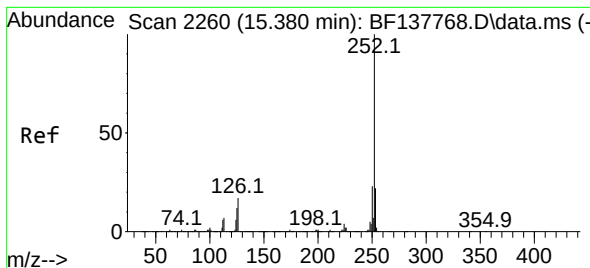
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.9 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 32.941 ng m

RT: 15.398 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

Instrument :

BNA_F

ClientSampleId :

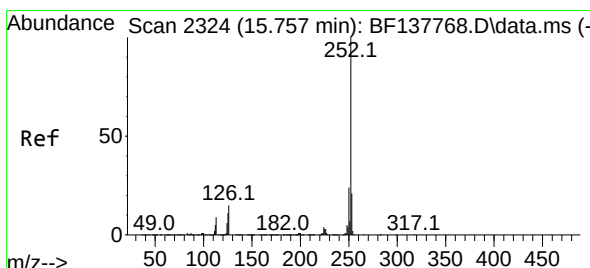
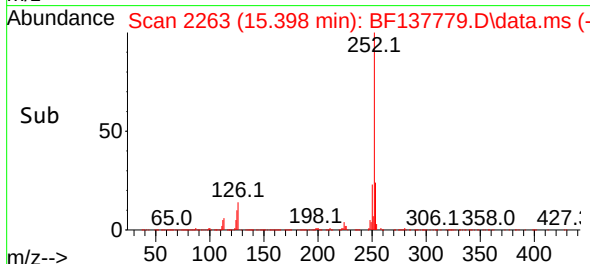
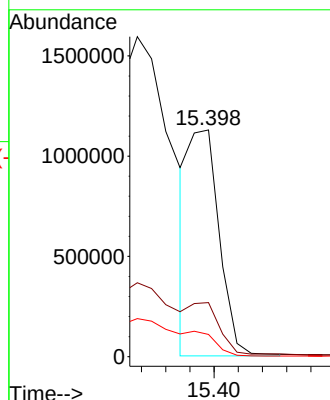
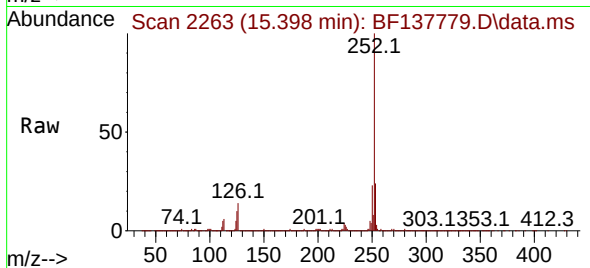
346

Tgt Ion:252 Resp: 97959
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.5 26.3
 125 9.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024



#90

Benzo(a)pyrene

Concen: 82.725 ng

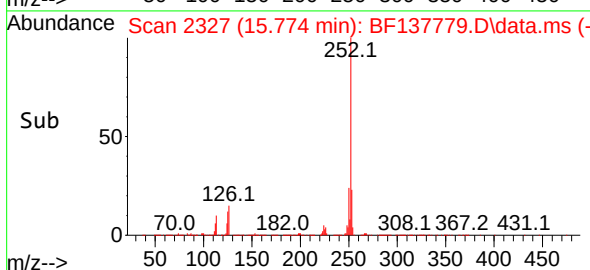
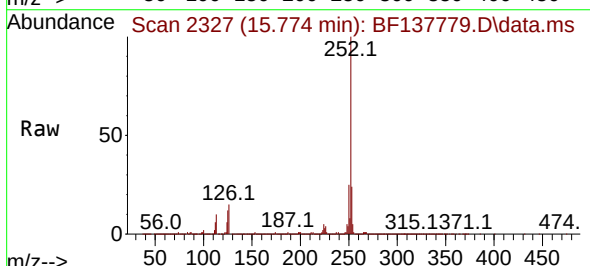
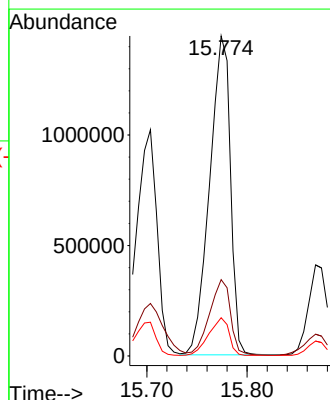
RT: 15.774 min Scan# 2327

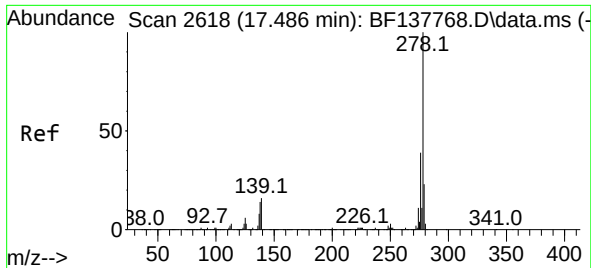
Delta R.T. 0.018 min

Lab File: BF137779.D

Acq: 30 Apr 2024 19:34

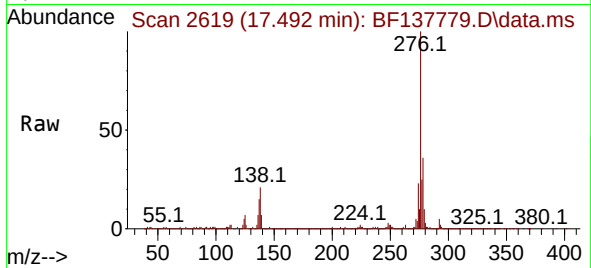
Tgt Ion:252 Resp: 2076474
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.1 25.7
 125 12.0 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 11.706 ng
RT: 17.492 min Scan# 2703
Delta R.T. 0.006 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34

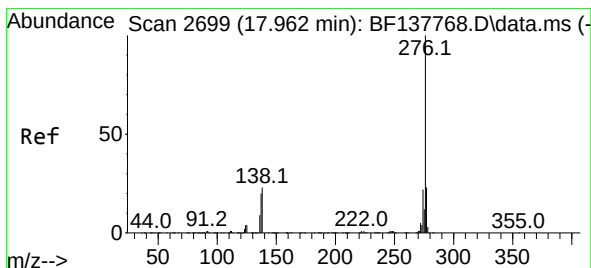
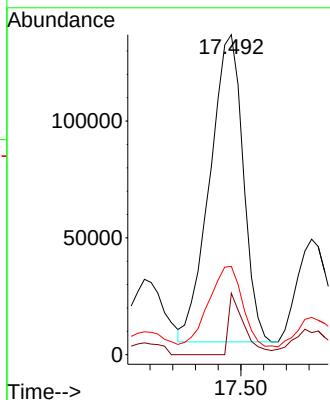
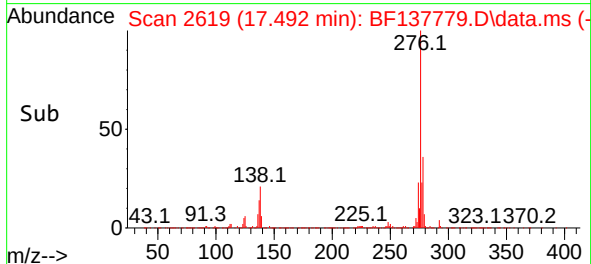
Instrument :
BNA_F
ClientSampleId :
346



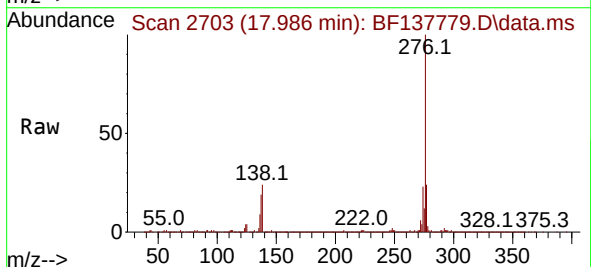
Tgt Ion:278 Resp: 26789
Ion Ratio Lower Upper
278 100
139 19.2 13.0 19.6
279 27.6 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#92
Benzo(g,h,i)perylene
Concen: 37.546 ng
RT: 17.986 min Scan# 2703
Delta R.T. 0.023 min
Lab File: BF137779.D
Acq: 30 Apr 2024 19:34



Tgt Ion:276 Resp: 900743
Ion Ratio Lower Upper
276 100
277 24.4 18.0 27.0
138 23.5 18.1 27.1

