

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136981.D
 Acq On : 05 Jan 2024 17:57
 Operator : CG\JU
 Sample : 06045-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-300-0-2

Manual Integrations
 APPROVED

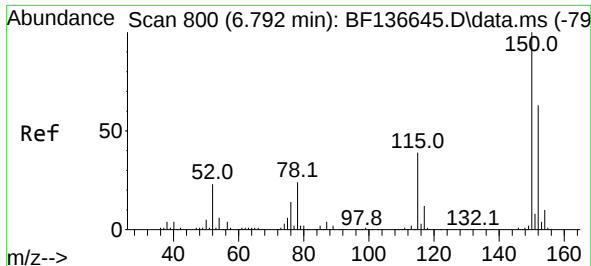
Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

Quant Time: Jan 05 22:51:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

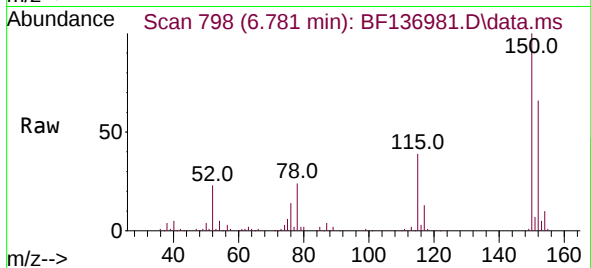
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	55013	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	194298	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	84327	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	151807	20.000	ng	0.00
76) Chrysene-d12	13.969	240	135341	20.000	ng	0.00
86) Perylene-d12	15.463	264	113770	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	232717	66.003	ng	0.00
7) Phenol-d6	6.434	99	274020	59.979	ng	0.00
23) Nitrobenzene-d5	7.345	82	169689	44.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	64780	65.228	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	299418	47.756	ng	-0.02
79) Terphenyl-d14	12.904	244	276882	28.590	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.675	152	33584	4.084	ng	95
71) Phenanthrene	11.333	178	105464	13.540	ng	99
72) Anthracene	11.386	178	34728	4.402	ng	98
75) Fluoranthene	12.533	202	225282	27.039	ng	99
78) Pyrene	12.763	202	218157	16.420	ng	99
81) Benzo(a)anthracene	13.957	228	121831	12.964	ng	95
83) Chrysene	13.998	228	115518	12.570	ng	95
84) Bis(2-ethylhexyl)phtha...	13.945	149	14484	2.381	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.980	276	68586	8.350	ng	97
88) Benzo(b)fluoranthene	15.021	252	158070m	20.802	ng	
89) Benzo(k)fluoranthene	15.045	252	51282m	7.142	ng	
90) Benzo(a)pyrene	15.398	252	102352	15.957	ng	96
91) Dibenzo(a,h)anthracene	16.986	278	18294	2.715	ng	# 82
92) Benzo(g,h,i)perylene	17.439	276	69683	10.096	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

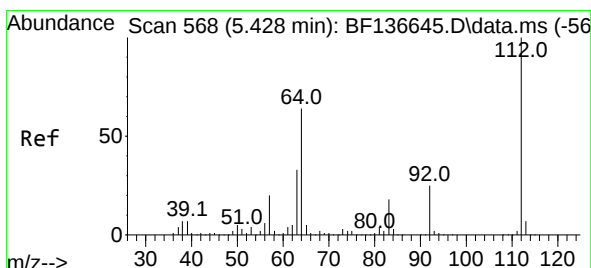
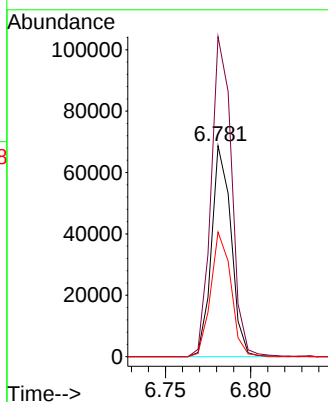
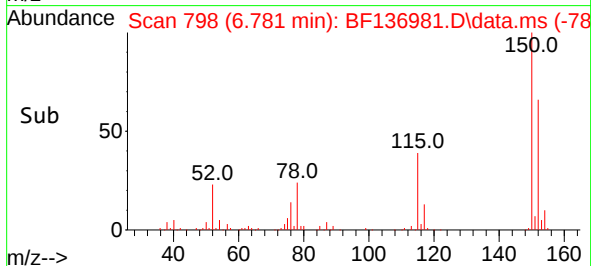
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2



Tgt Ion:152 Resp: 5501
Ion Ratio Lower Upper
152 100
150 151.7 127.0 190.6
115 59.1 49.0 73.4

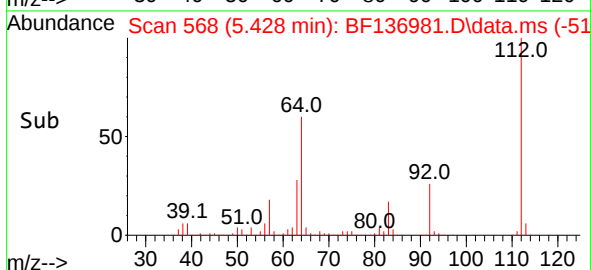
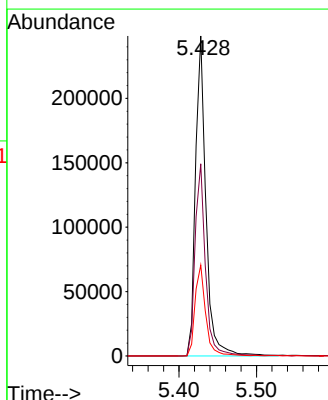
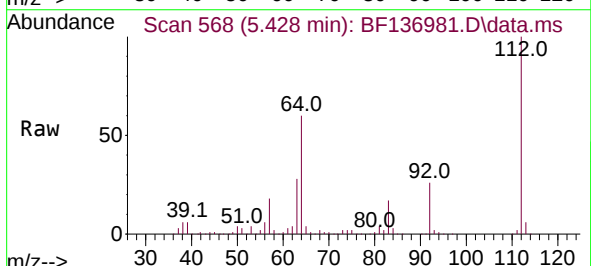
Manual Integrations
APPROVED

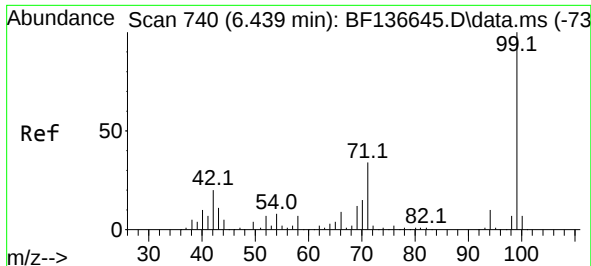
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 66.003 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:112 Resp: 232717
Ion Ratio Lower Upper
112 100
64 60.1 51.1 76.7
63 28.4 26.1 39.1





#7

Phenol-d6

Concen: 59.979 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136981.D

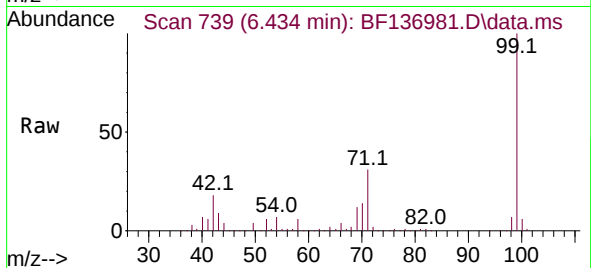
Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2



Tgt Ion: 99 Resp: 274020

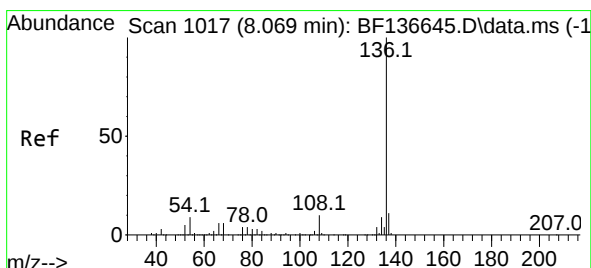
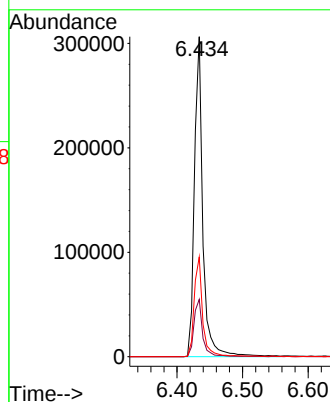
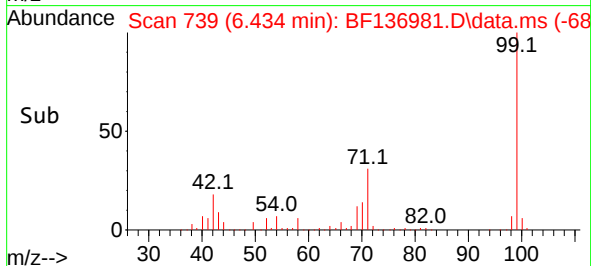
Ion	Ratio	Lower	Upper
99	100		
42	17.9	16.1	24.1
71	31.1	27.4	41.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

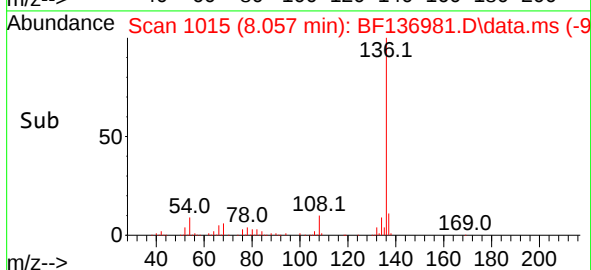
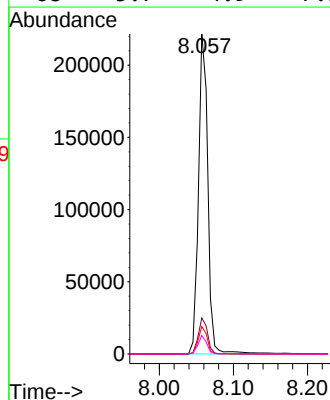
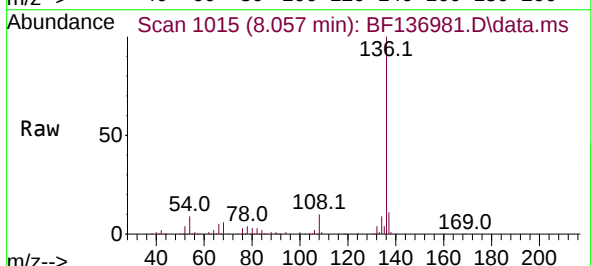
Delta R.T. -0.012 min

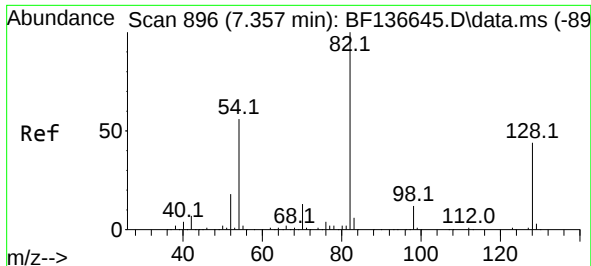
Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:136 Resp: 194298

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.6	7.2	10.8
68	5.7	4.9	7.3





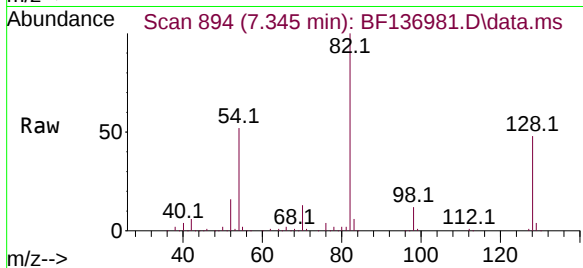
#23
Nitrobenzene-d5
Concen: 44.690 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

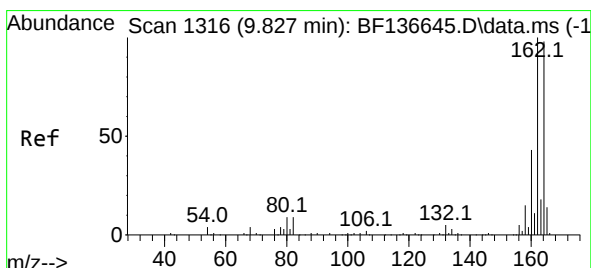
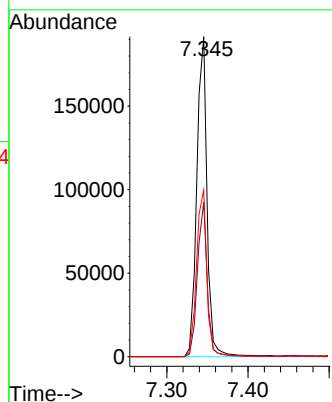
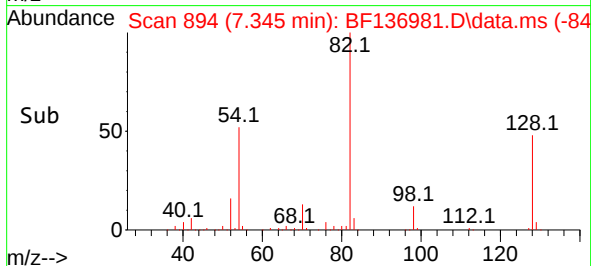
MR-300-0-2



Tgt Ion: 82 Resp: 169689
Ion Ratio Lower Upper
82 100
128 48.3 35.3 52.9
54 52.1 44.5 66.7

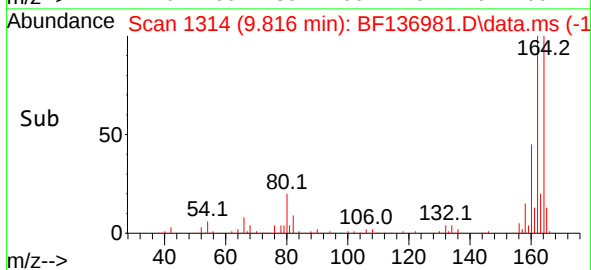
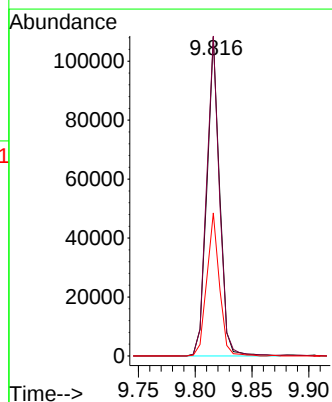
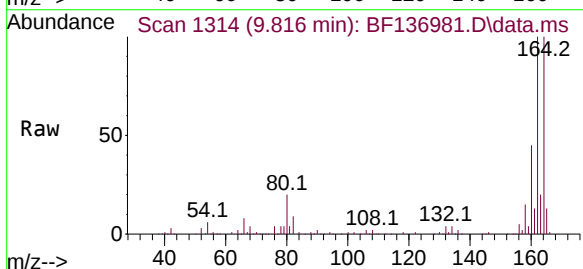
Manual Integrations
APPROVED

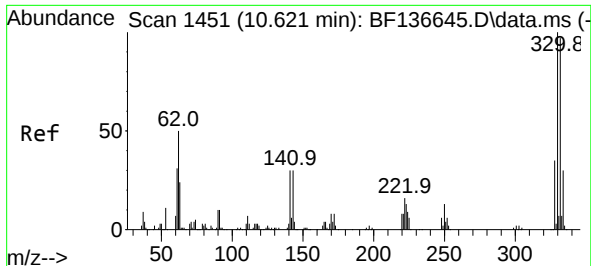
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:164 Resp: 84327
Ion Ratio Lower Upper
164 100
162 100.4 81.6 122.4
160 44.9 34.9 52.3





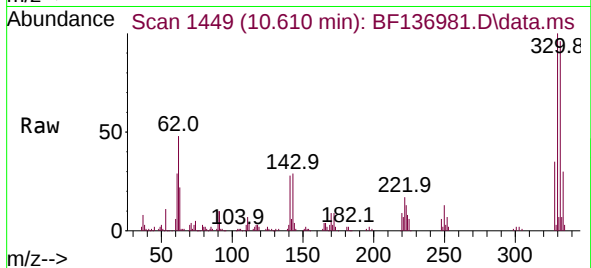
#42
2,4,6-Tribromophenol
Concen: 65.228 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2



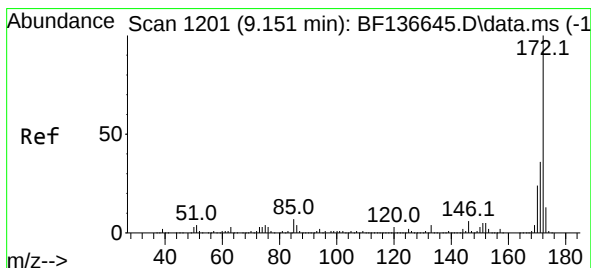
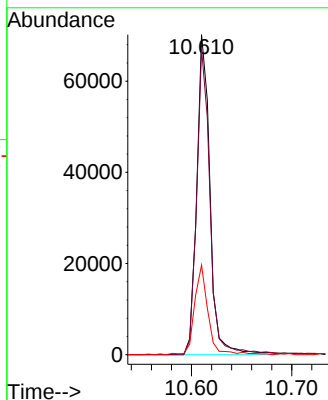
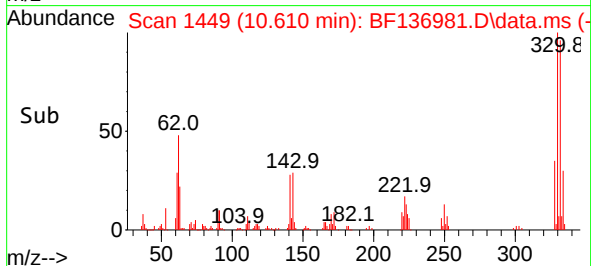
Tgt Ion:330 Resp: 64780
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.0
141 28.6 23.4 35.2

Manual Integrations

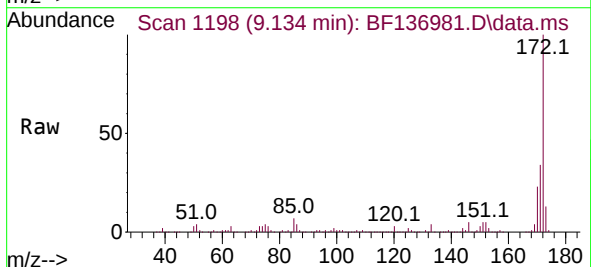
APPROVED

Reviewed By :Yogesh Patel 01/06/2024

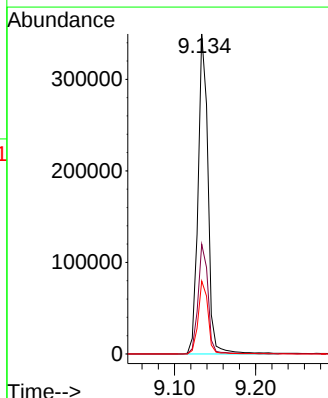
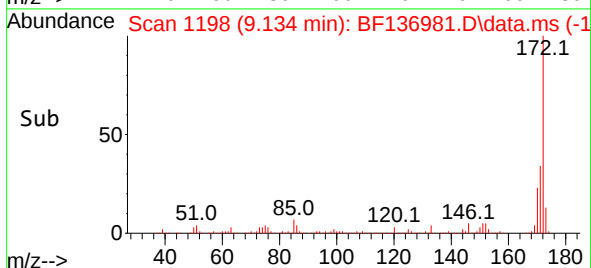
Supervised By :mohammad ahmed 01/06/2024

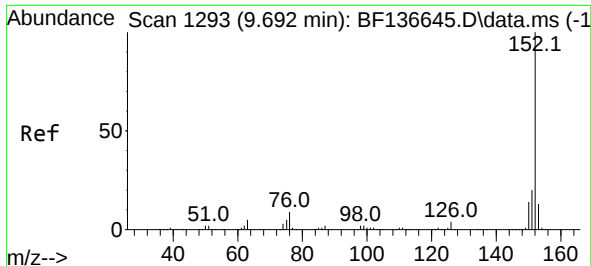


#45
2-Fluorobiphenyl
Concen: 47.756 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57



Tgt Ion:172 Resp: 299418
Ion Ratio Lower Upper
172 100
171 34.3 29.0 43.6
170 22.8 19.0 28.4





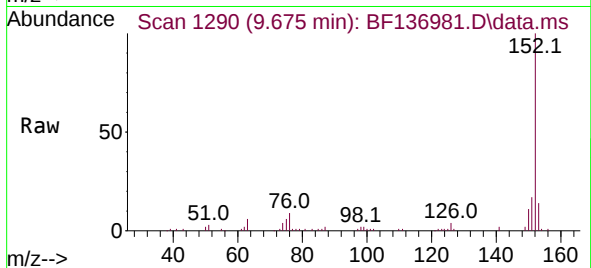
#49
Acenaphthylene
Concen: 4.084 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

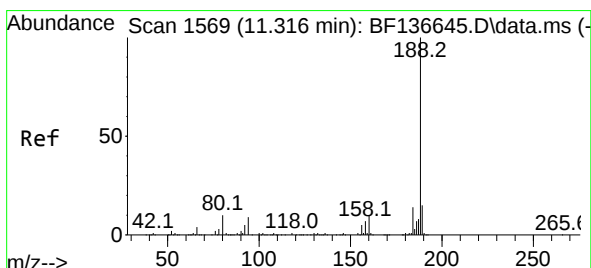
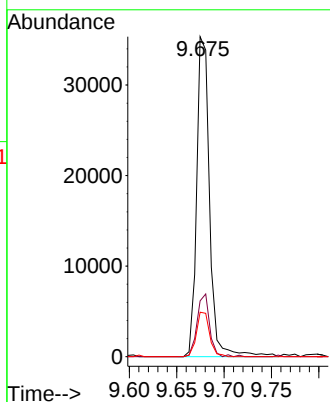
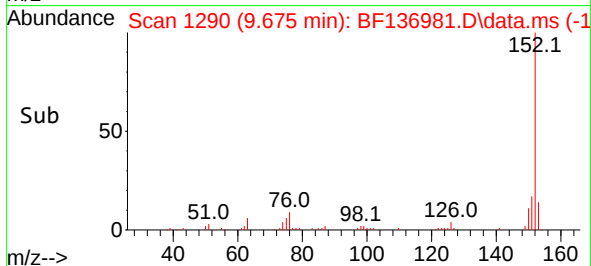


Tgt Ion:152 Resp: 33584
Ion Ratio Lower Upper
152 100
151 17.4 16.2 24.4
153 13.9 10.2 15.2

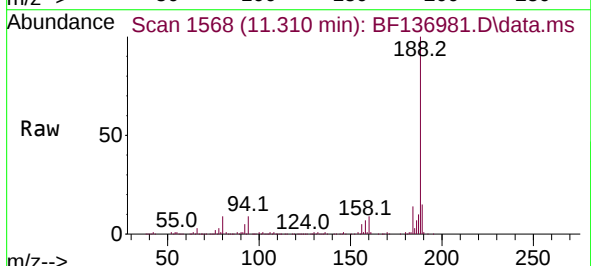
Manual Integrations

APPROVED

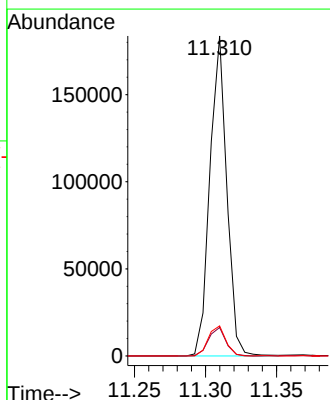
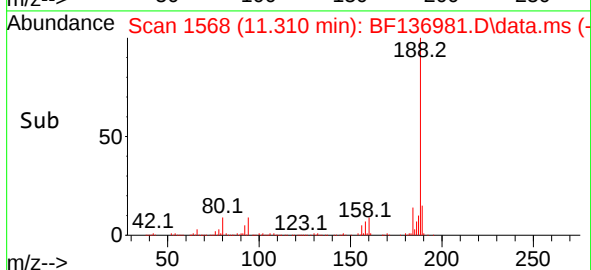
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

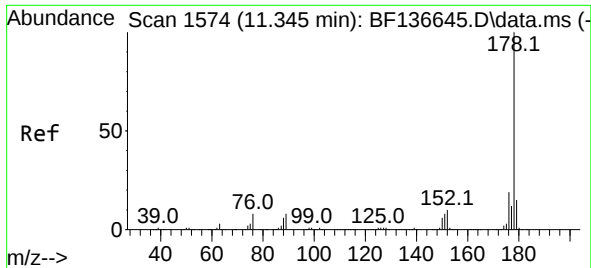


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57



Tgt Ion:188 Resp: 151807
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 9.4 8.1 12.1





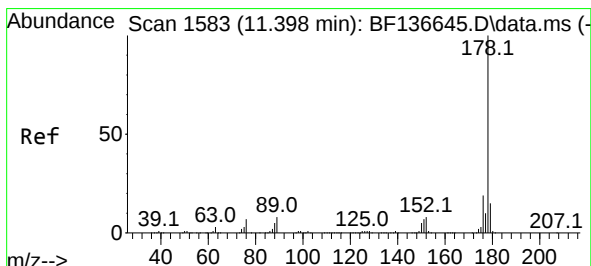
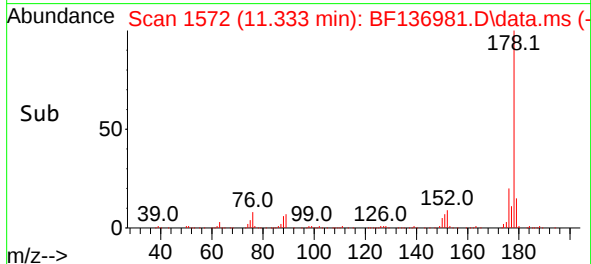
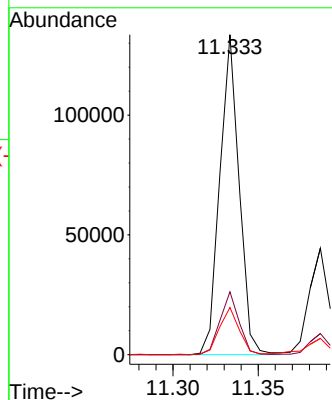
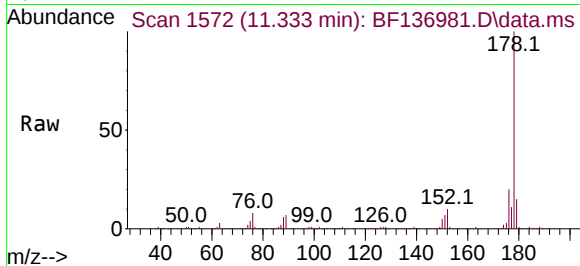
#71
Phenanthrene
Concen: 13.540 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

Tgt Ion:178 Resp: 105464
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 14.7 11.9 17.9

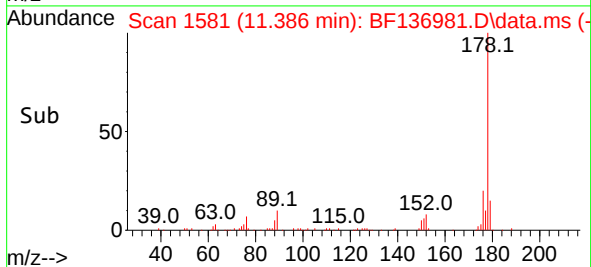
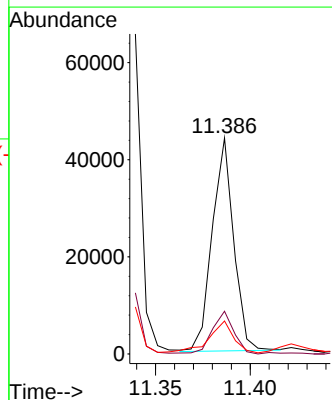
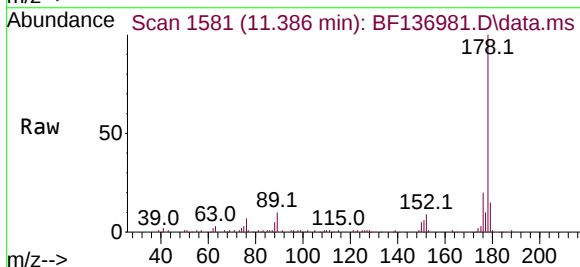
Manual Integrations
APPROVED

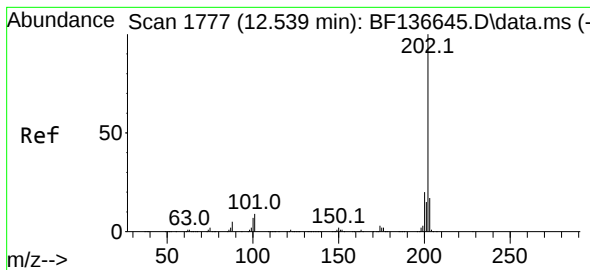
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#72
Anthracene
Concen: 4.402 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

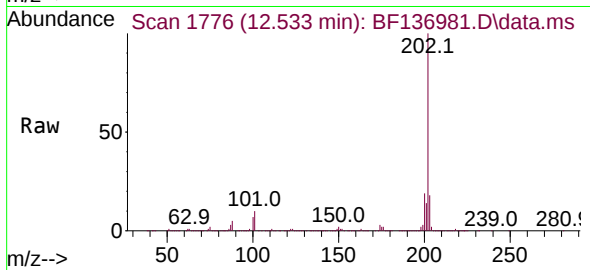
Tgt Ion:178 Resp: 34728
Ion Ratio Lower Upper
178 100
176 19.8 14.9 22.3
179 15.3 11.8 17.6





#75
Fluoranthene
Concen: 27.039 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

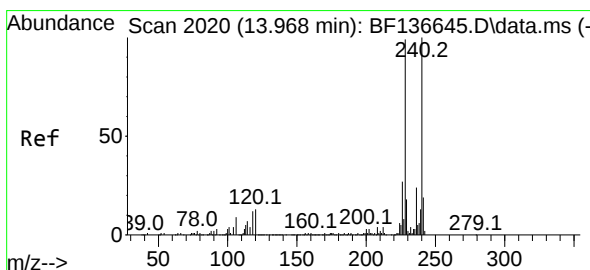
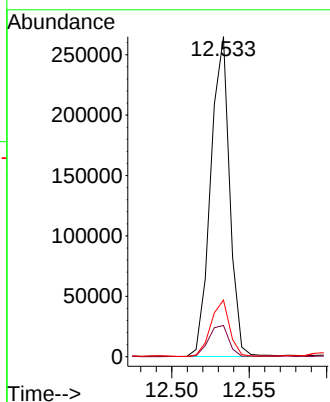
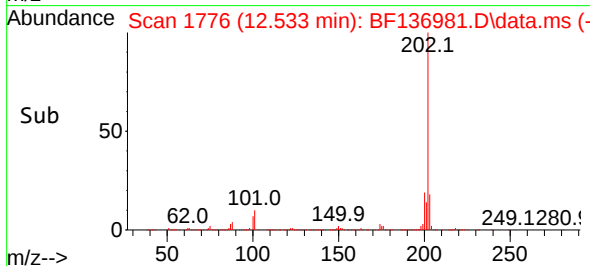
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2



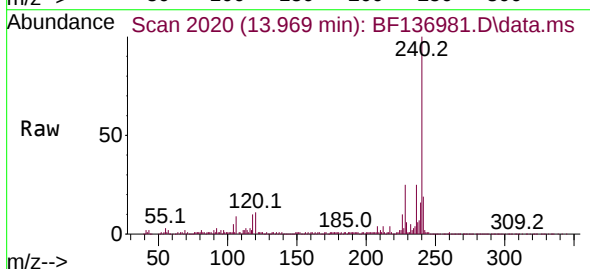
Tgt Ion:202 Resp: 22528
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.3
203 17.7 0.0 37.1

Manual Integrations
APPROVED

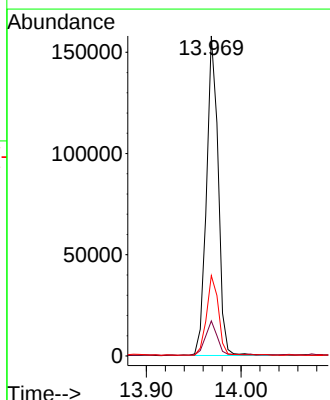
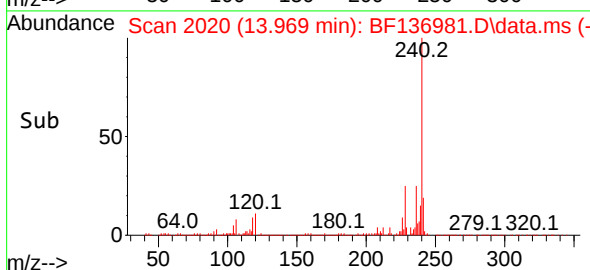
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

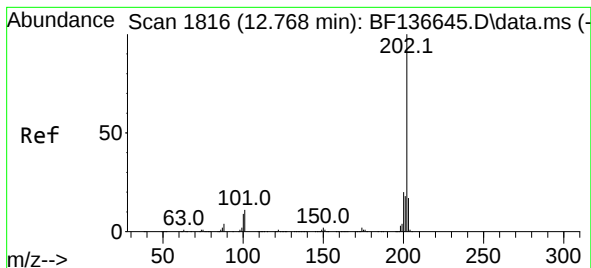


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57



Tgt Ion:240 Resp: 135341
Ion Ratio Lower Upper
240 100
120 11.0 10.3 15.5
236 25.1 19.4 29.2





#78

Pyrene

Concen: 16.420 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

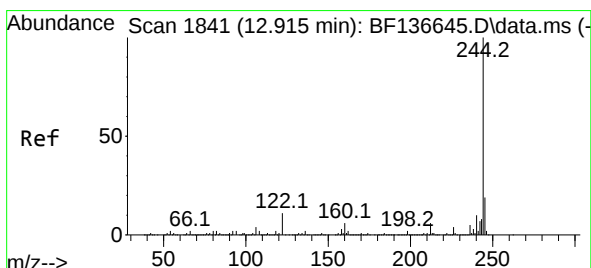
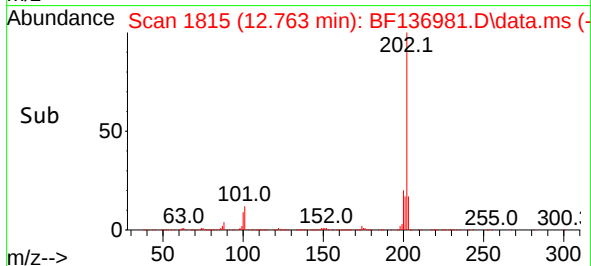
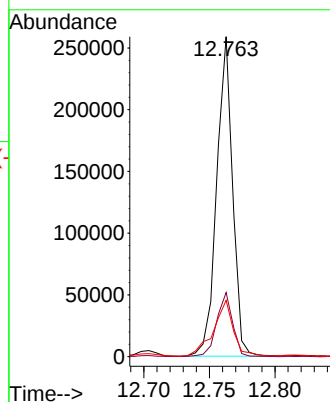
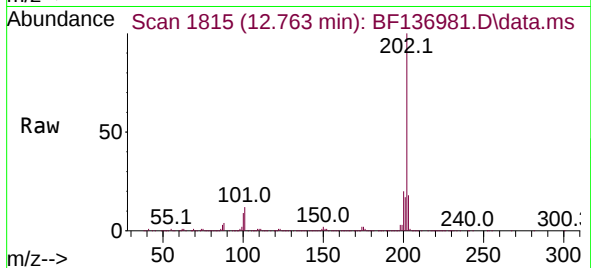
Tgt Ion:	202	Resp:	21815
Ion Ratio	Lower	Upper	
202	100		
200	20.1	15.9	23.9
203	17.6	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#79

Terphenyl-d14

Concen: 28.590 ng

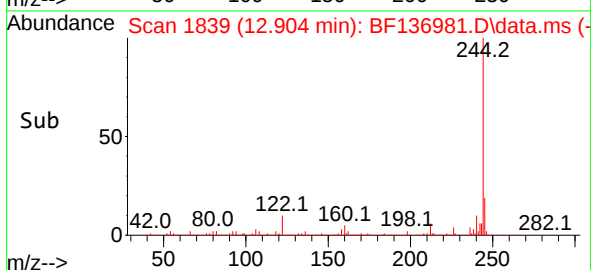
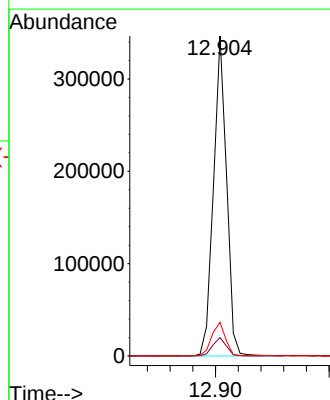
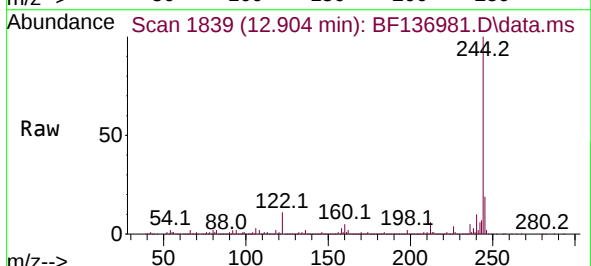
RT: 12.904 min Scan# 1839

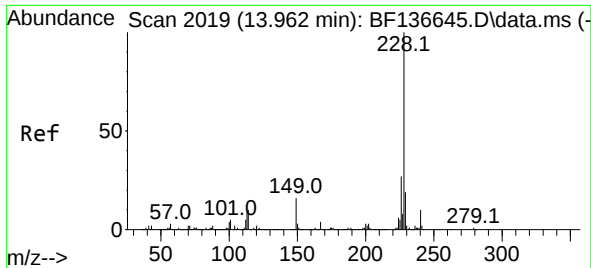
Delta R.T. -0.012 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:	244	Resp:	276882
Ion Ratio	Lower	Upper	
244	100		
212	5.8	5.0	7.4
122	10.5	9.0	13.4





#81
Benzo(a)anthracene
Concen: 12.964 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

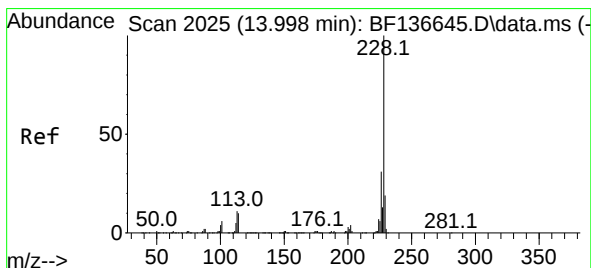
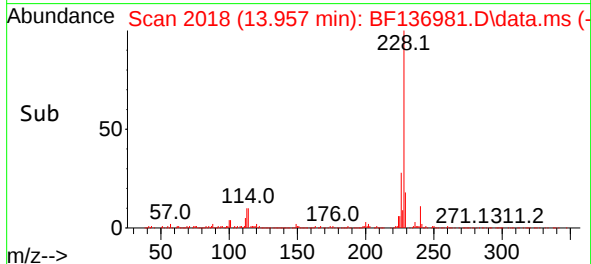
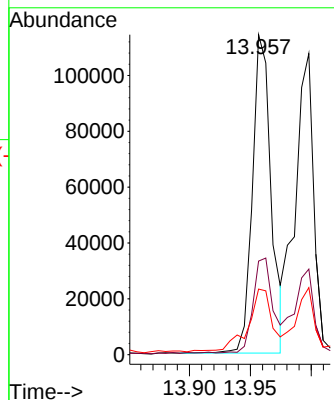
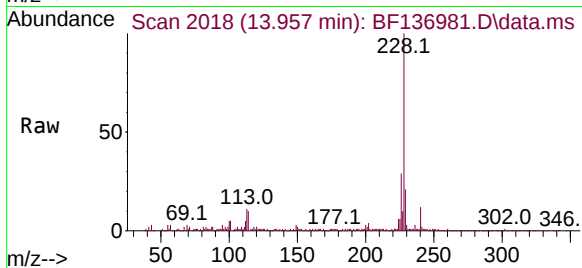
ClientSampleId :

MR-300-0-2

Tgt Ion:228 Resp: 12183
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 20.5 14.9 22.3

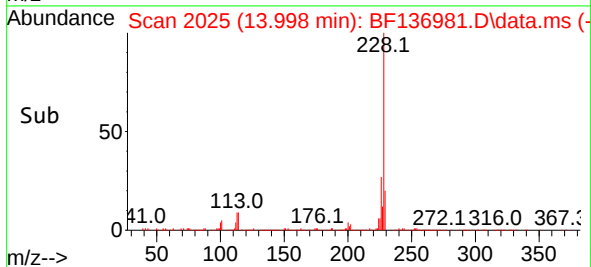
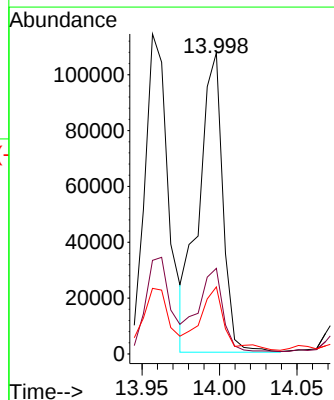
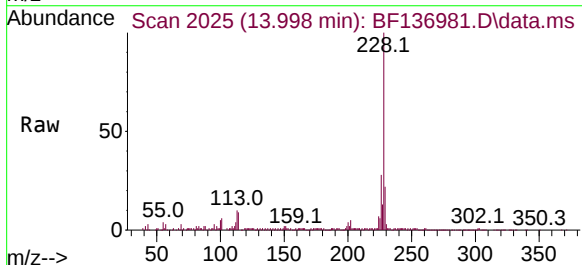
Manual Integrations
APPROVED

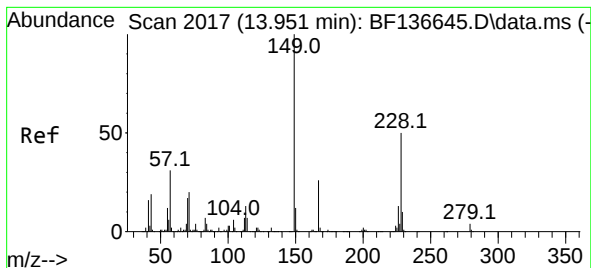
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#83
Chrysene
Concen: 12.570 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

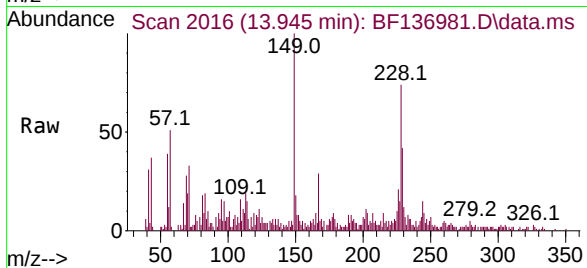
Tgt Ion:228 Resp: 115518
Ion Ratio Lower Upper
228 100
226 28.4 24.7 37.1
229 22.3 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.381 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

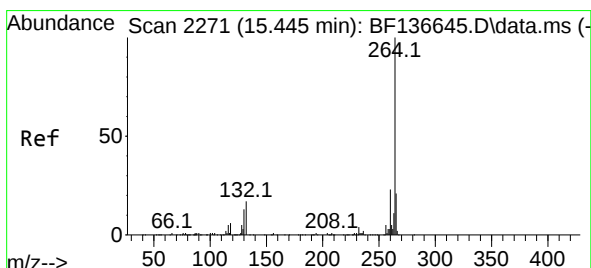
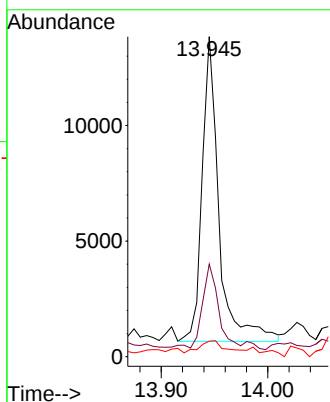
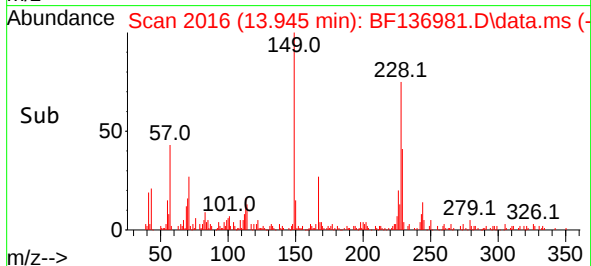
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2



Tgt Ion:149 Resp: 14484
Ion Ratio Lower Upper
149 100
167 29.0 20.9 31.3
279 4.8 2.9 4.3

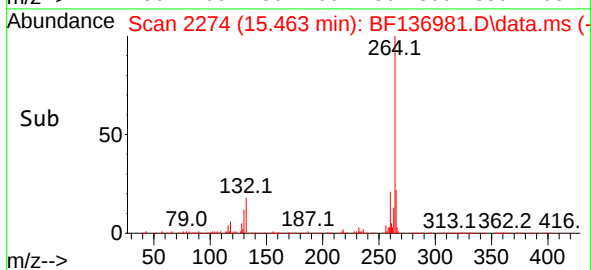
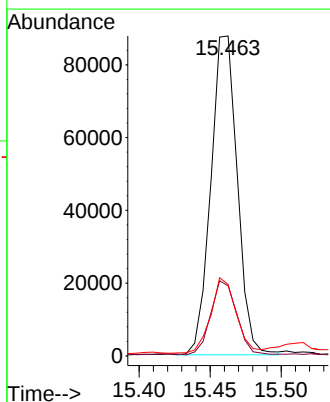
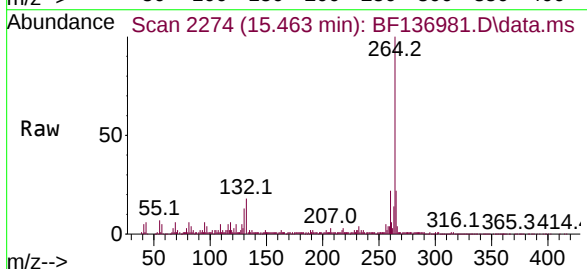
Manual Integrations
APPROVED

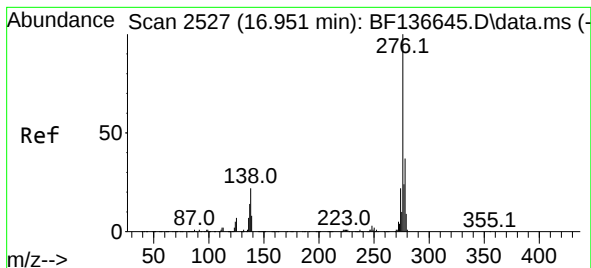
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:264 Resp: 113770
Ion Ratio Lower Upper
264 100
260 21.9 18.3 27.5
265 22.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.350 ng

RT: 16.980 min Scan# 2198

Delta R.T. 0.030 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

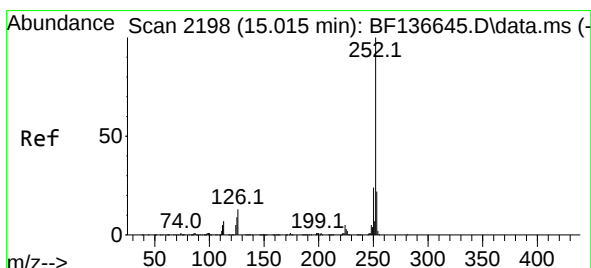
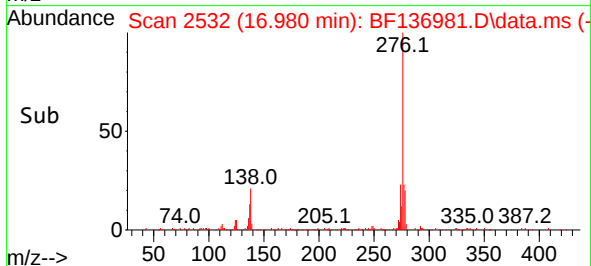
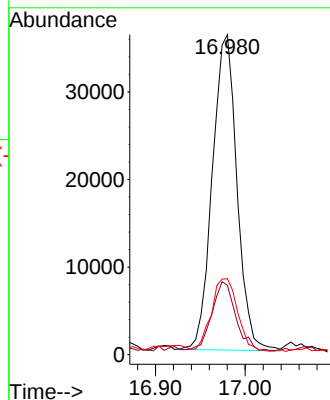
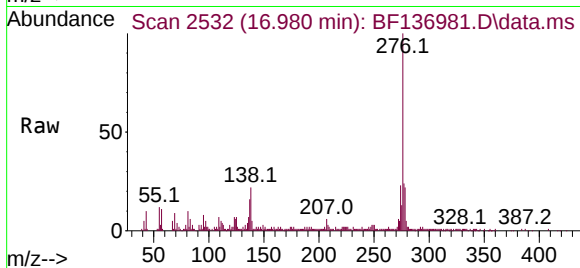
Tgt Ion:276 Resp: 68580
 Ion Ratio Lower Upper
 276 100
 138 21.3 18.7 28.1
 277 24.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#88

Benzo(b)fluoranthene

Concen: 20.802 ng m

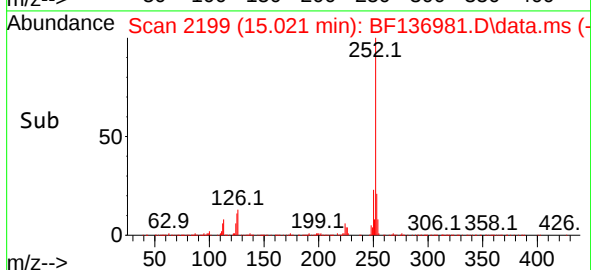
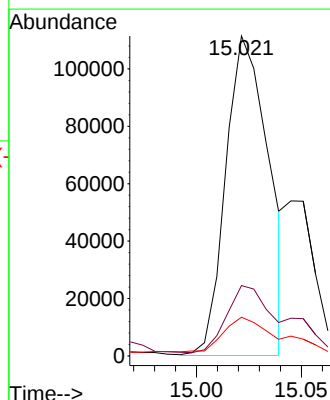
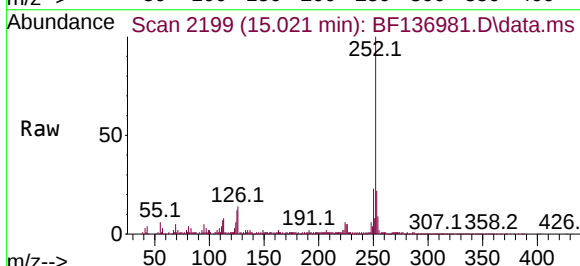
RT: 15.021 min Scan# 2199

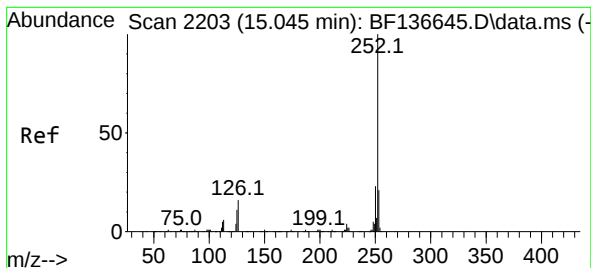
Delta R.T. 0.006 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:252 Resp: 158070
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.0
 125 12.1 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 7.142 ng m

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNF

ClientSampleId :

MR-300-0-2

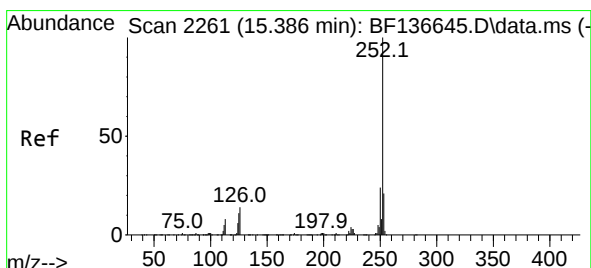
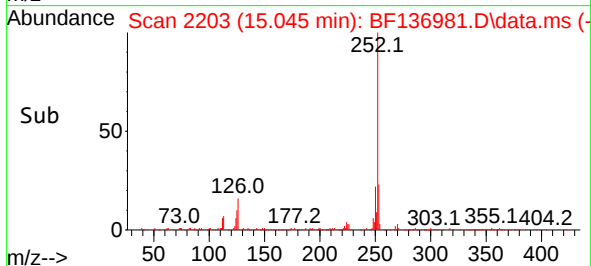
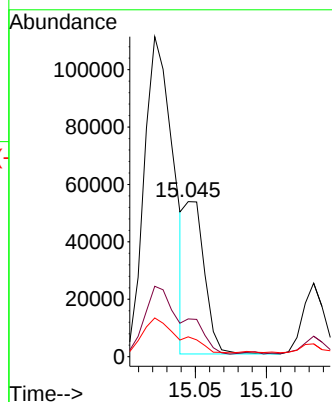
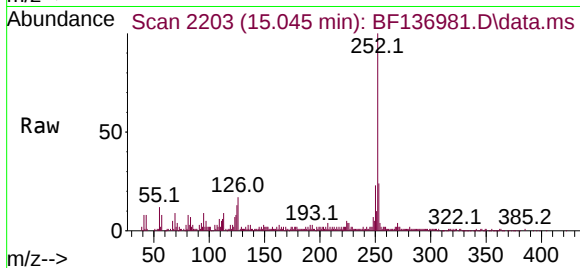
Tgt Ion:	252	Resp:	5128
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.6
125	12.8	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#90

Benzo(a)pyrene

Concen: 15.957 ng

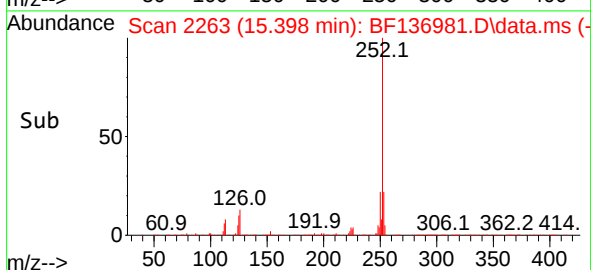
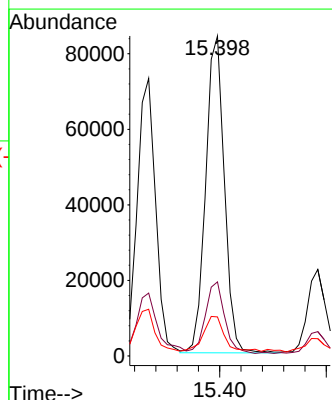
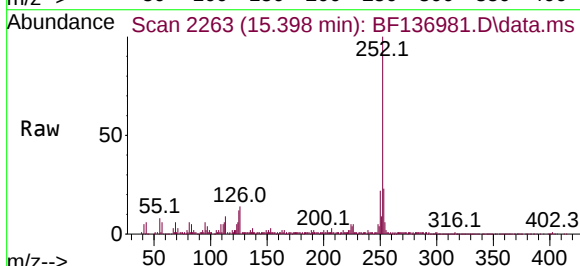
RT: 15.398 min Scan# 2263

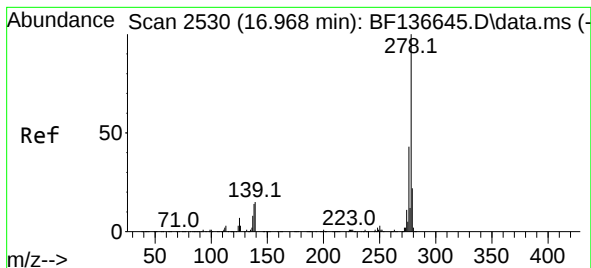
Delta R.T. 0.012 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:	252	Resp:	102352
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	12.2	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.715 ng

RT: 16.986 min Scan# 2530

Delta R.T. 0.018 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

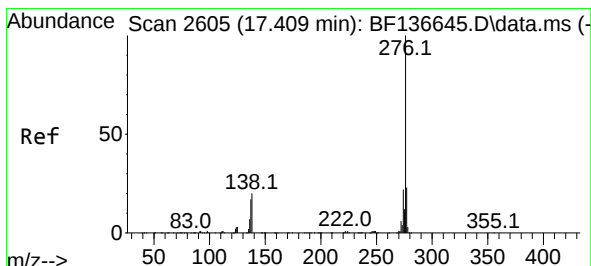
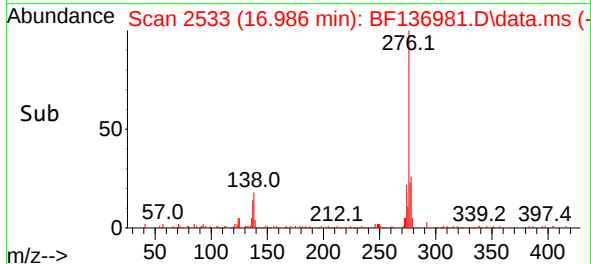
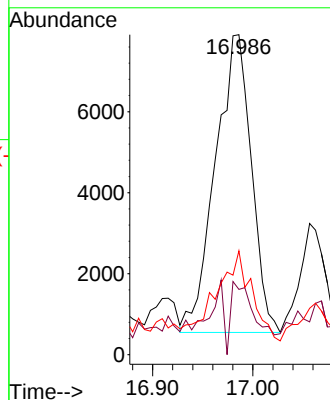
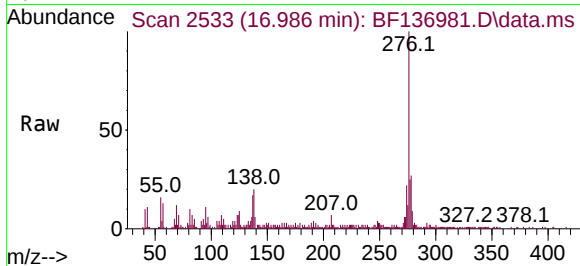
Tgt Ion:	278	Resp:	18294
Ion Ratio	Lower	Upper	
278	100		
139	20.4	12.2	18.4
279	32.4	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#92

Benzo(g,h,i)perylene

Concen: 10.096 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.030 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:	276	Resp:	69683
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.3	27.5
138	20.6	15.6	23.4

