

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135658.D
 Acq On : 09 Oct 2023 19:06
 Operator : CG\JU
 Sample : 04736-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

Quant Time: Oct 09 19:25:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	130162	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	495847	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	233379	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	356690	20.000	ng	# 0.00
76) Chrysene-d12	13.933	240	238957	20.000	ng	0.00
86) Perylene-d12	15.404	264	236392	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	225027	28.118	ng	0.00
7) Phenol-d6	6.387	99	287669	28.269	ng	0.00
23) Nitrobenzene-d5	7.304	82	175933	19.277	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	56131	24.203	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	322022	20.818	ng	0.00
79) Terphenyl-d14	12.863	244	235861	15.301	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.804	154	72491	5.674	ng	98
55) Dibenzofuran	9.986	168	41431	2.125	ng	98
58) Fluorene	10.327	166	84103	5.612	ng	97
71) Phenanthrene	11.292	178	429454	25.457	ng	98
72) Anthracene	11.345	178	68669	3.960	ng	98
75) Fluoranthene	12.492	202	800650	45.548	ng	99
78) Pyrene	12.721	202	539636	23.720	ng	99
81) Benzo(a)anthracene	13.921	228	162954	10.561	ng	98
83) Chrysene	13.957	228	125207	8.162	ng	98
88) Benzo(b)fluoranthene	14.974	252	101084m	7.899	ng	
89) Benzo(k)fluoranthene	15.004	252	26088m	2.064	ng	
90) Benzo(a)pyrene	15.345	252	54165	4.439	ng	98

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

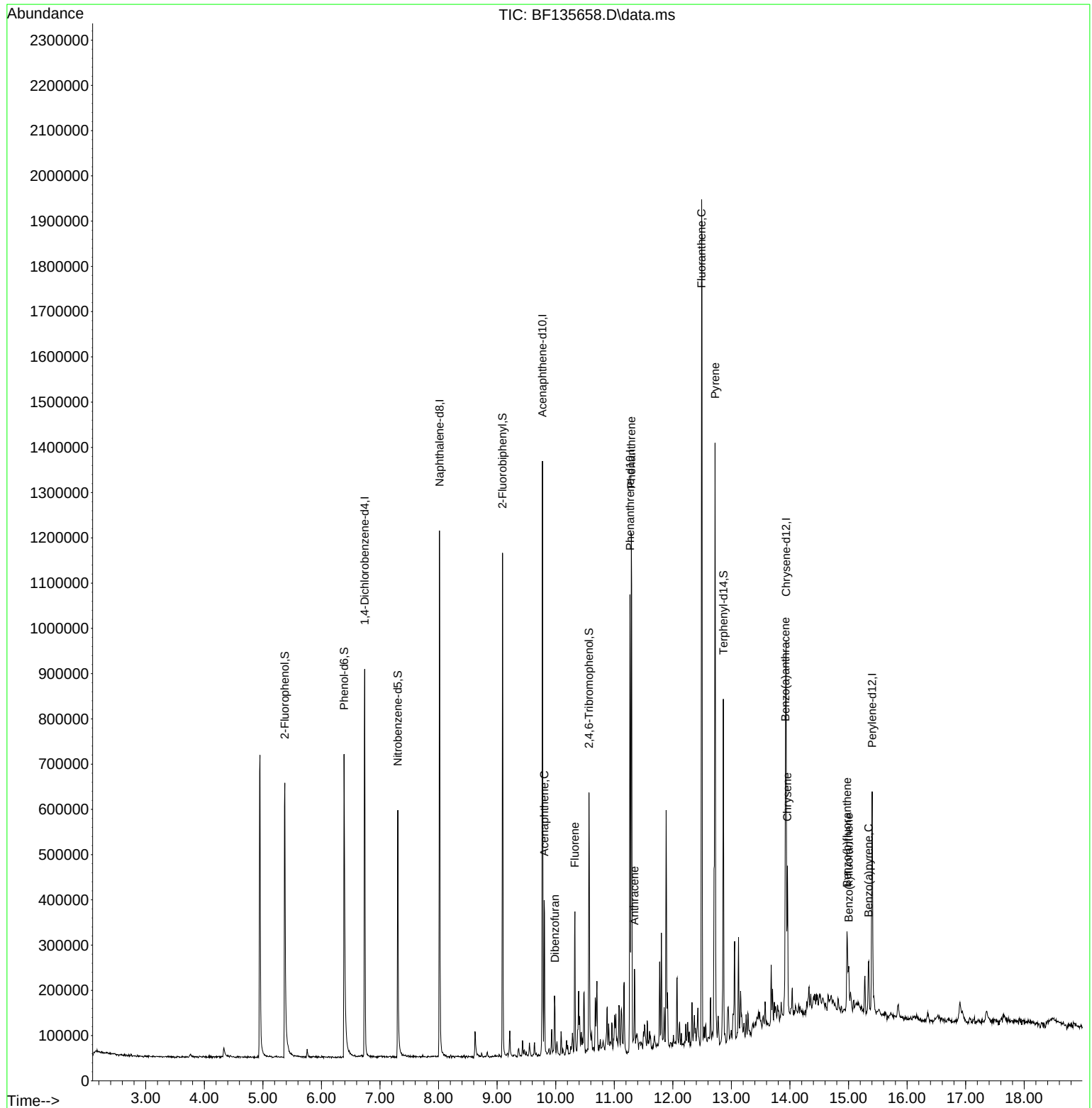
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135658.D
Acq On : 09 Oct 2023 19:06
Operator : CG\JU
Sample : 04736-04DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

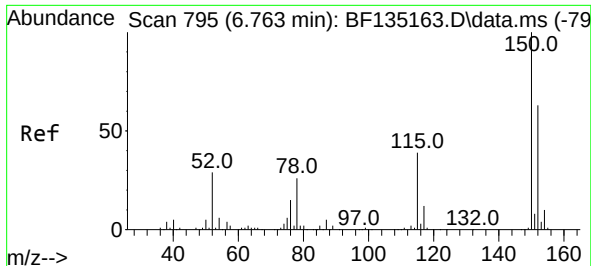
Instrument :
BNA_F
ClientSampleId :
72-11939DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

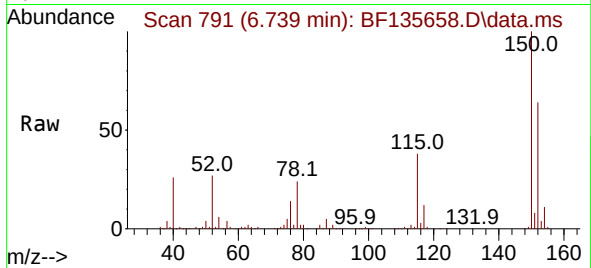
Quant Time: Oct 09 19:25:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

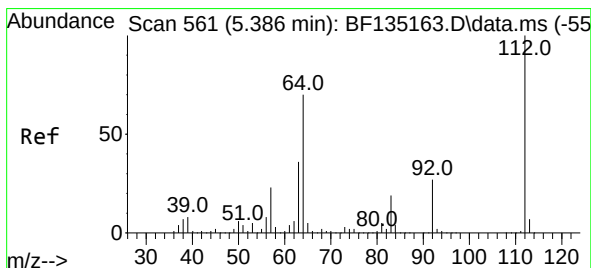
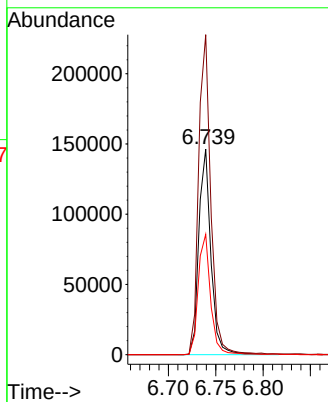
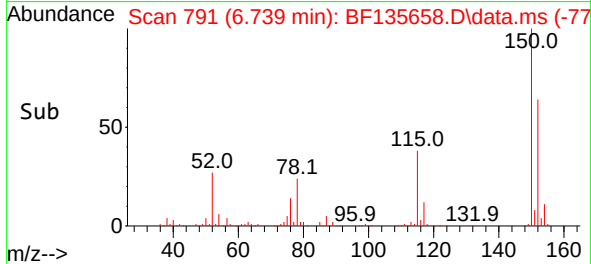
Instrument :
BNA_F
ClientSampleId :
72-11939DL



Tgt Ion:152 Resp: 130162
Ion Ratio Lower Upper
152 100
150 155.7 127.8 191.6
115 58.6 49.8 74.8

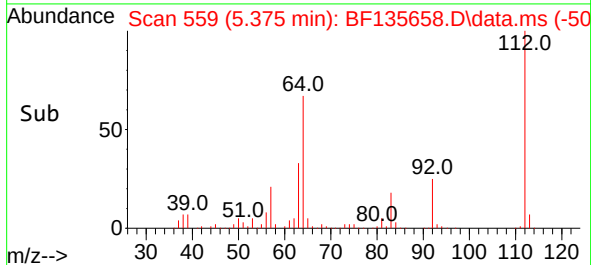
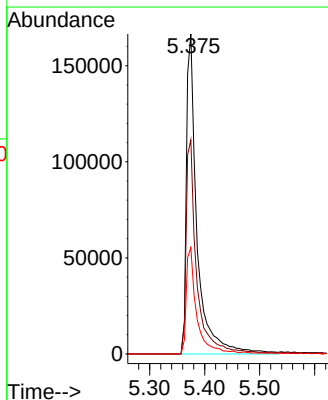
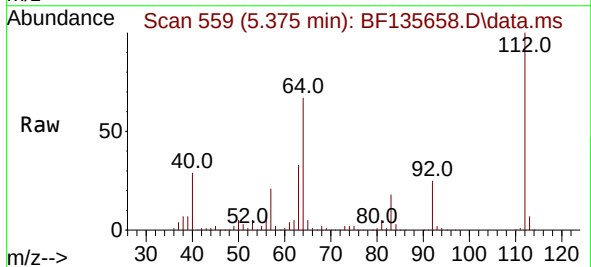
Manual Integrations
APPROVED

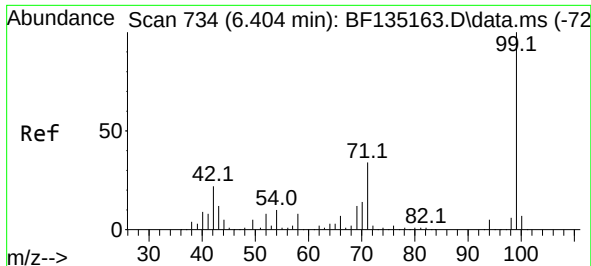
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#5
2-Fluorophenol
Concen: 28.118 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

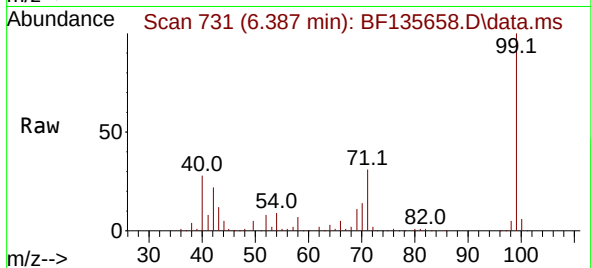
Tgt Ion:112 Resp: 225027
Ion Ratio Lower Upper
112 100
64 66.9 55.9 83.9
63 33.3 29.0 43.6





#7
Phenol-d6
Concen: 28.269 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

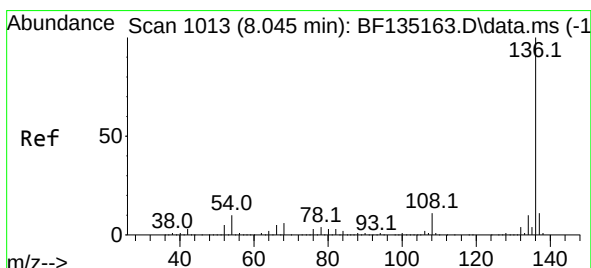
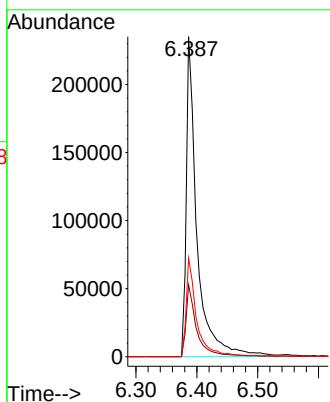
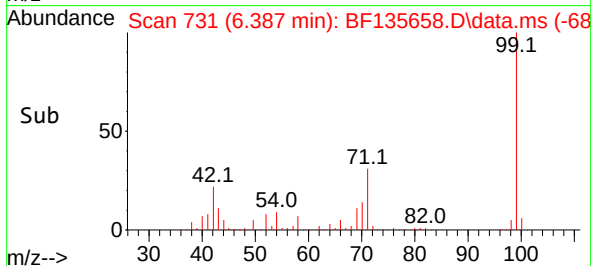
Instrument :
BNA_F
ClientSampleId :
72-11939DL



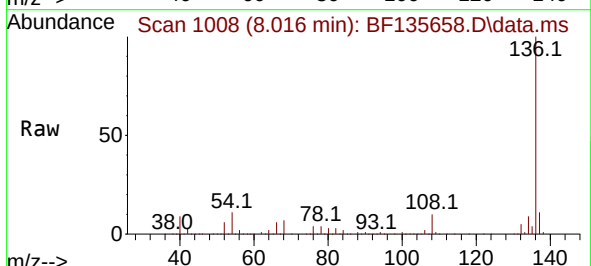
Tgt Ion: 99 Resp: 287669
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 30.8 27.0 40.6

Manual Integrations
APPROVED

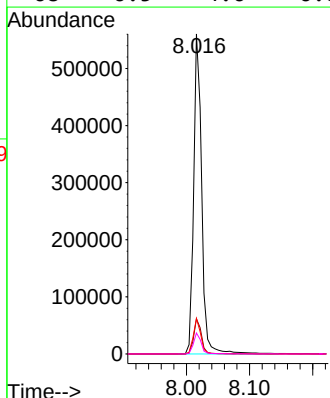
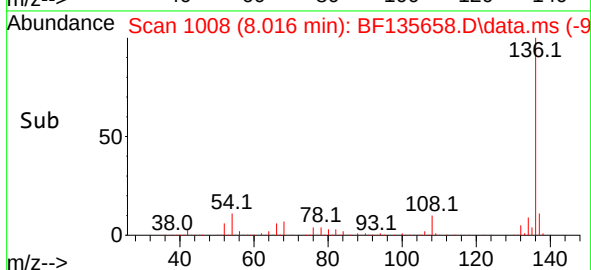
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

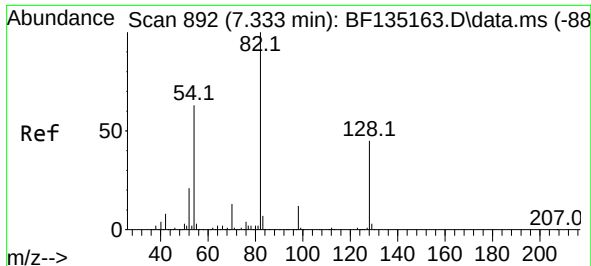


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06



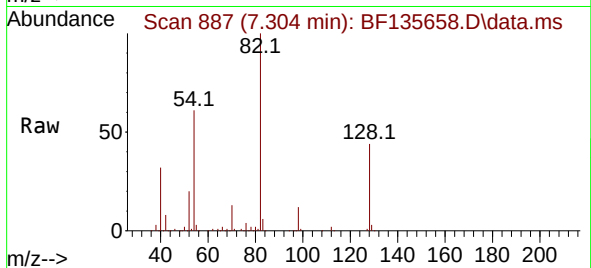
Tgt Ion:136 Resp: 495847
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.1 7.7 11.5
68 6.5 4.6 6.8





#23
Nitrobenzene-d5
Concen: 19.277 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

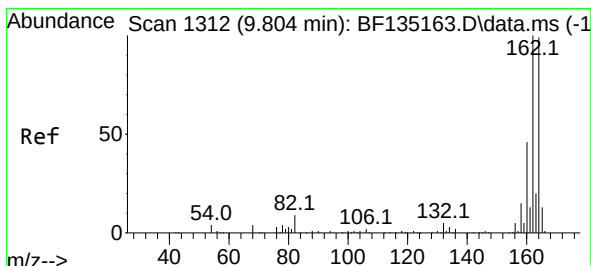
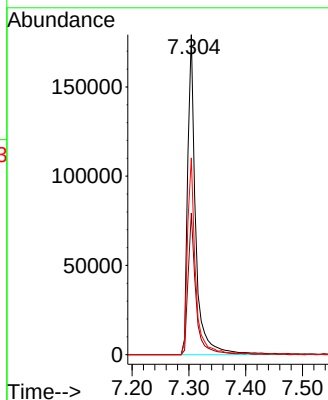
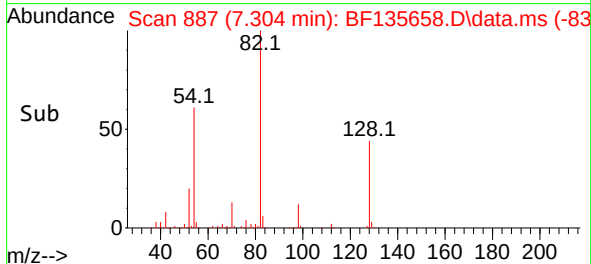
Instrument :
BNA_F
ClientSampleId :
72-11939DL



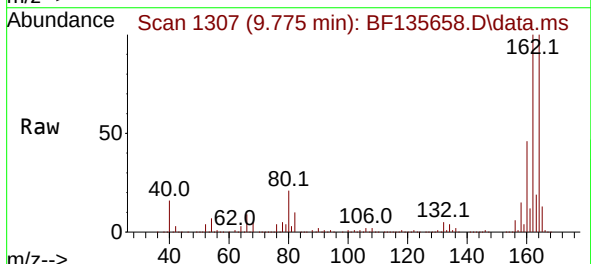
Tgt Ion: 82 Resp: 175933
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 61.5 50.6 76.0

Manual Integrations
APPROVED

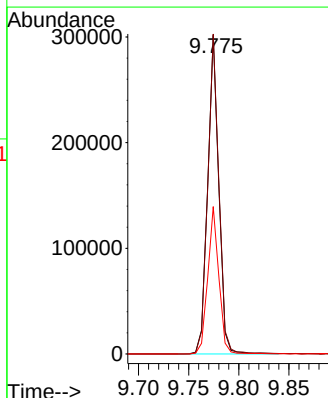
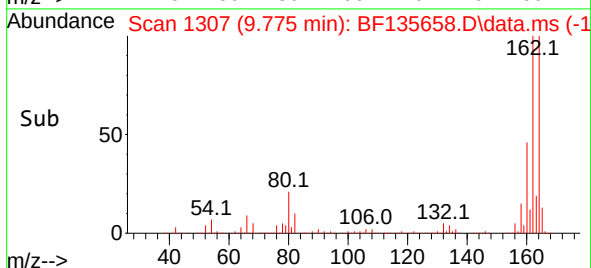
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

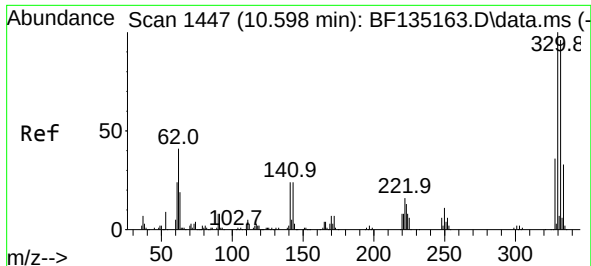


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06



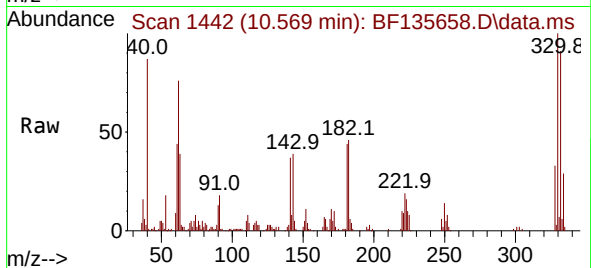
Tgt Ion:164 Resp: 233379
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 46.2 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 24.203 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

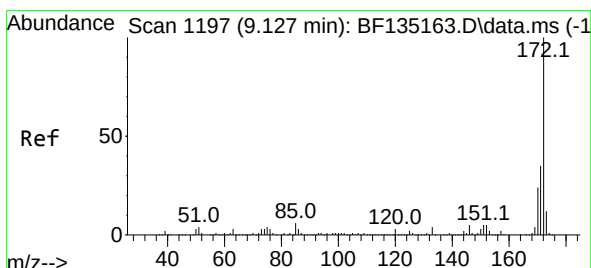
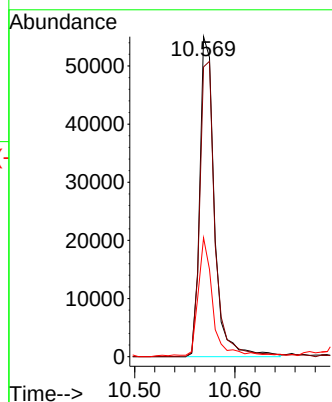
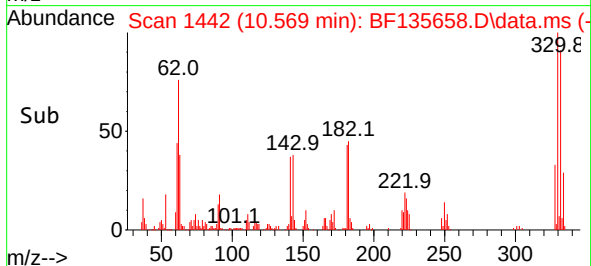
Instrument :
BNA_F
ClientSampleId :
72-11939DL



Tgt Ion: 330 Resp: 5613
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 38.5 25.8 38.8

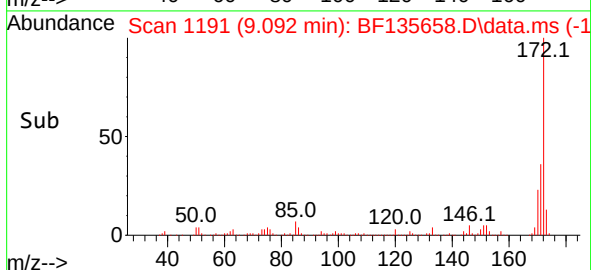
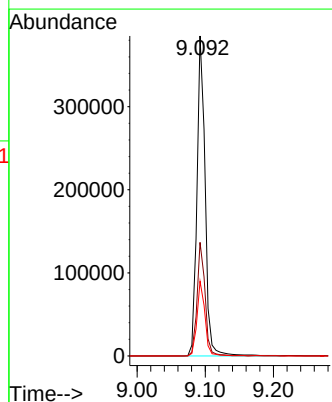
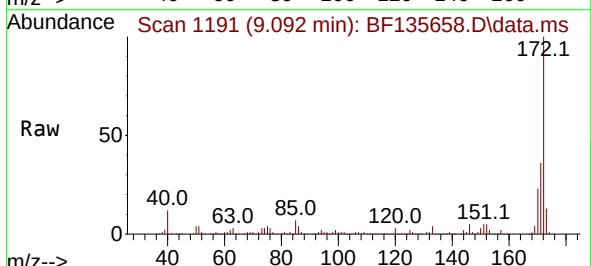
Manual Integrations
APPROVED

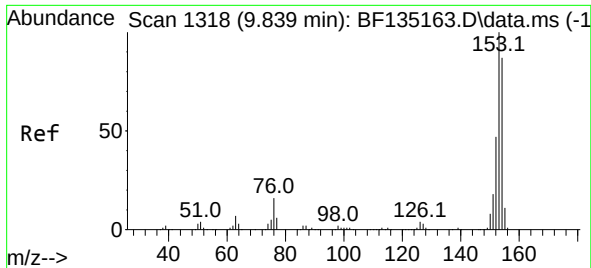
Reviewed By : Yogesh Patel 10/11/2023
Supervised By : mohammad ahmed 10/11/2023



#45
2-Fluorobiphenyl
Concen: 20.818 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

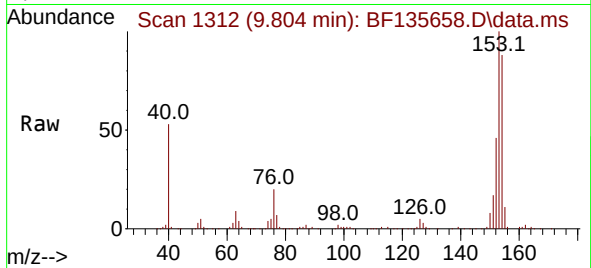
Tgt Ion: 172 Resp: 322022
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.4 19.0 28.4





#52
Acenaphthene
Concen: 5.674 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

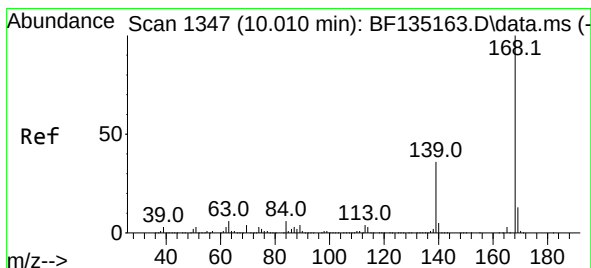
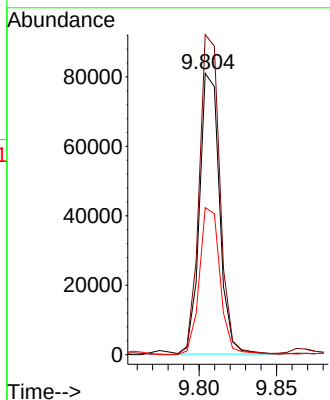
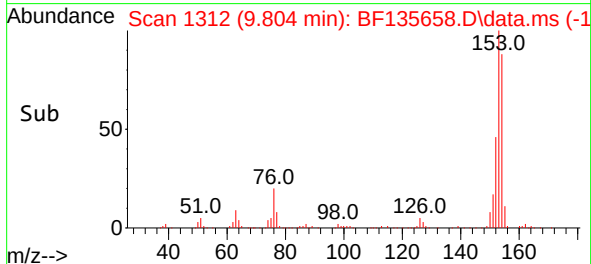
Instrument :
BNA_F
ClientSampleId :
72-11939DL



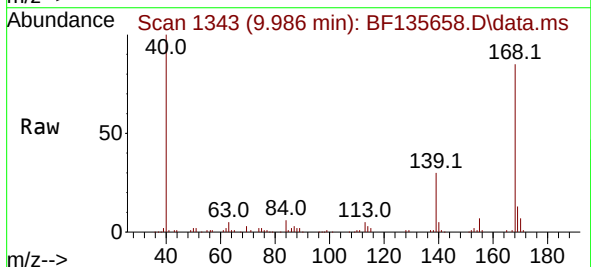
Tgt Ion:154 Resp: 7249
Ion Ratio Lower Upper
154 100
153 113.8 92.1 138.1
152 52.3 43.1 64.7

Manual Integrations
APPROVED

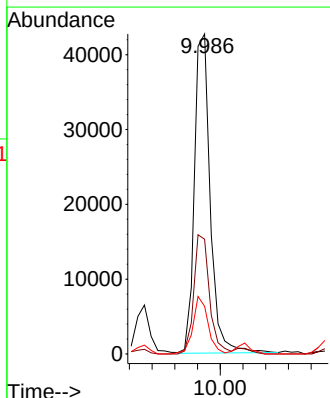
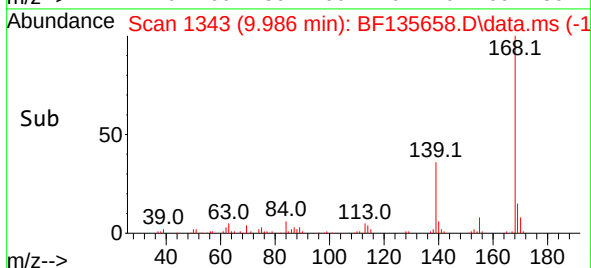
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

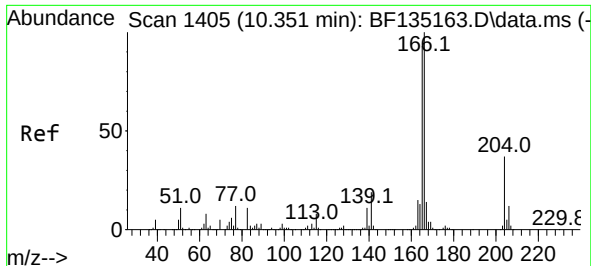


#55
Dibenzofuran
Concen: 2.125 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06



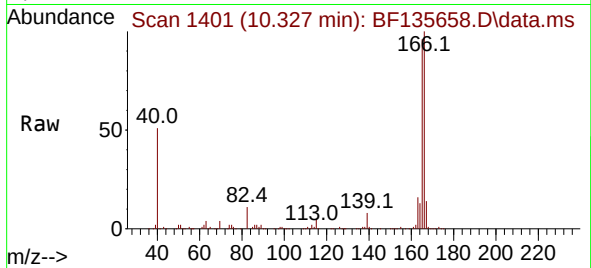
Tgt Ion:168 Resp: 41431
Ion Ratio Lower Upper
168 100
139 35.9 29.0 43.6
169 14.9 10.4 15.6





#58
Fluorene
Concen: 5.612 ng
RT: 10.327 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

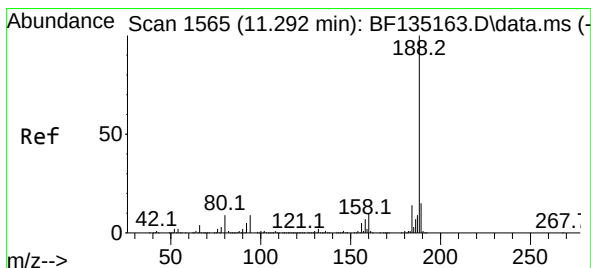
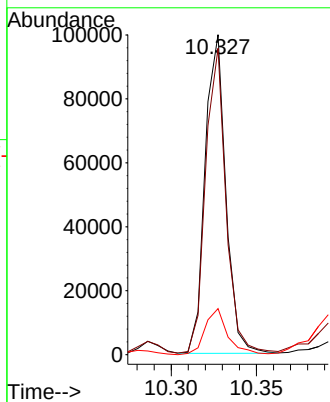
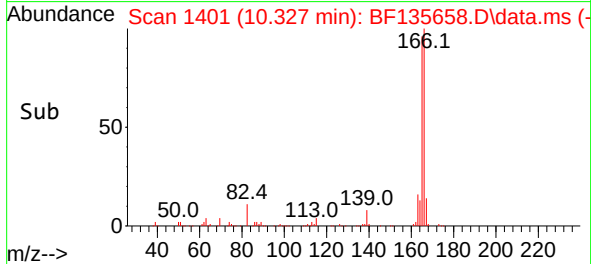
Instrument :
BNA_F
ClientSampleId :
72-11939DL



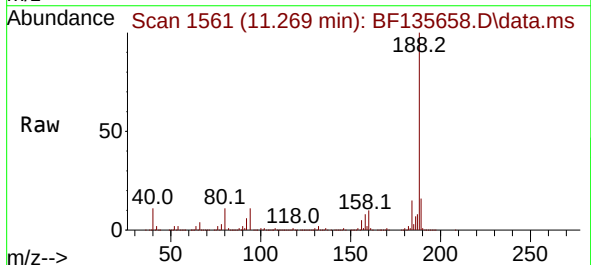
Tgt Ion:166 Resp: 8410
Ion Ratio Lower Upper
166 100
165 95.8 74.3 111.5
167 14.4 10.9 16.3

Manual Integrations
APPROVED

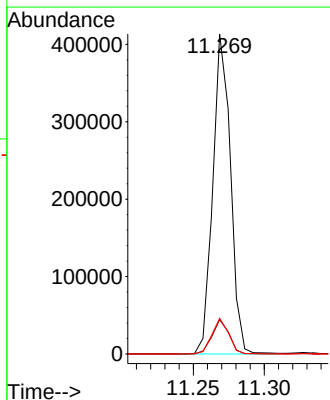
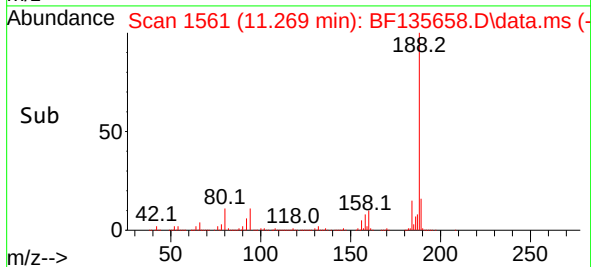
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

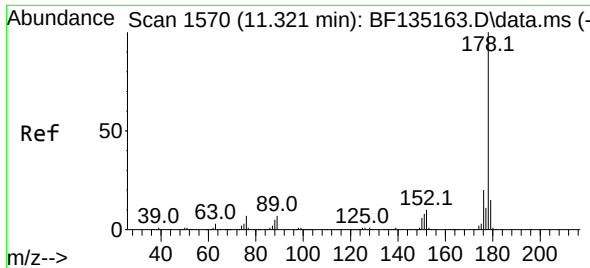


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06



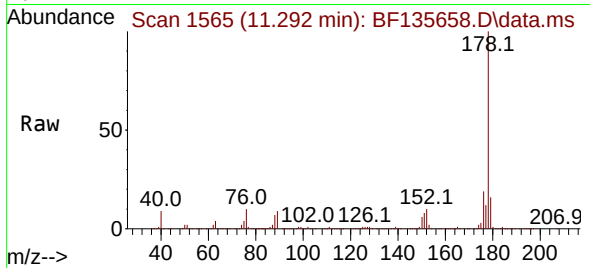
Tgt Ion:188 Resp: 356690
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 11.2 7.5 11.3





#71
Phenanthrene
Concen: 25.457 ng
RT: 11.292 min Scan# 11292
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

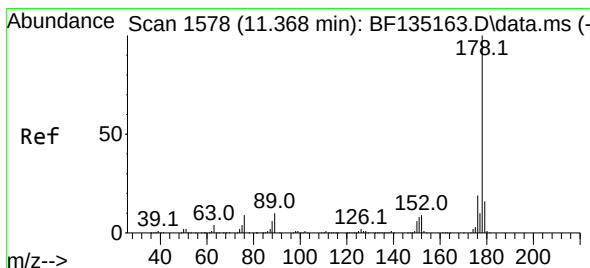
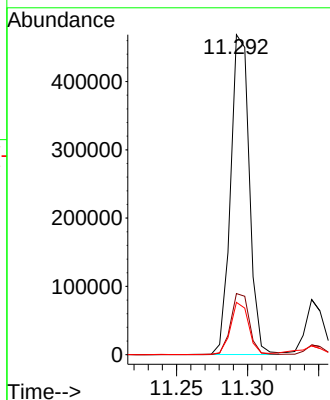
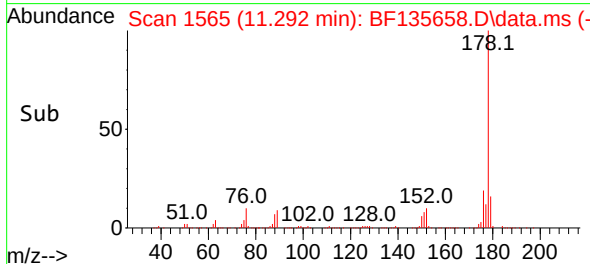
Instrument :
BNA_F
ClientSampleId :
72-11939DL



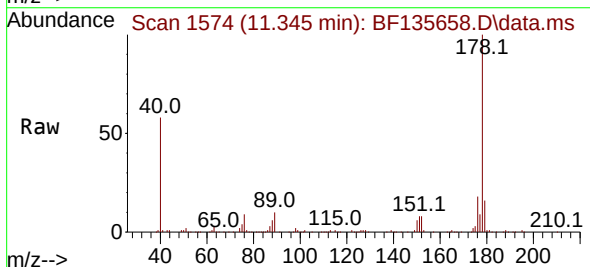
Tgt Ion:178 Resp: 429454
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.3 12.0 18.0

Manual Integrations
APPROVED

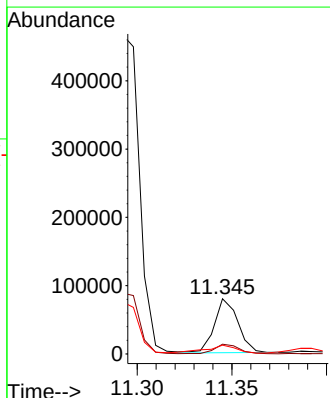
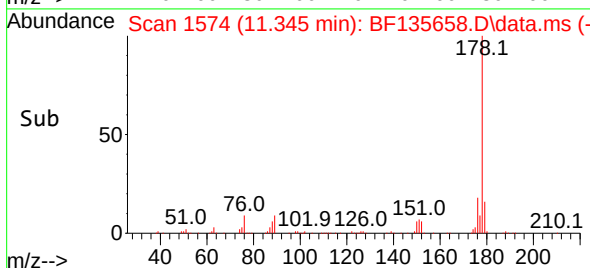
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

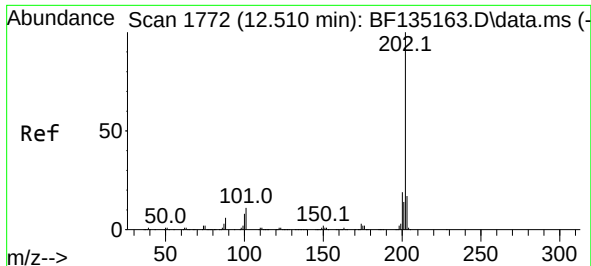


#72
Anthracene
Concen: 3.960 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06



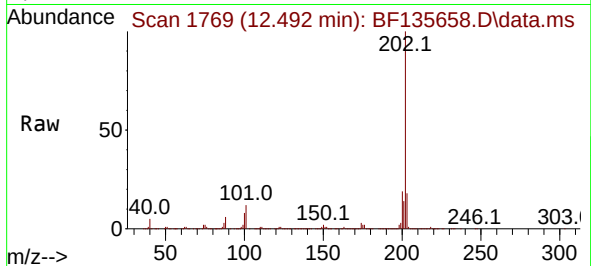
Tgt Ion:178 Resp: 68669
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 15.9 12.6 19.0





#75
Fluoranthene
Concen: 45.548 ng
RT: 12.492 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

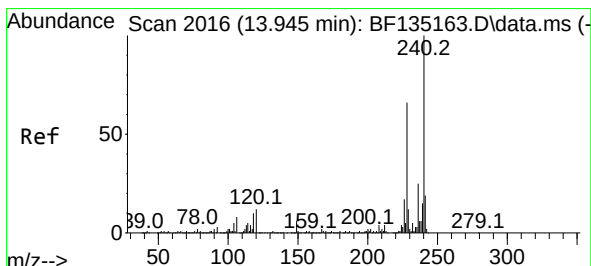
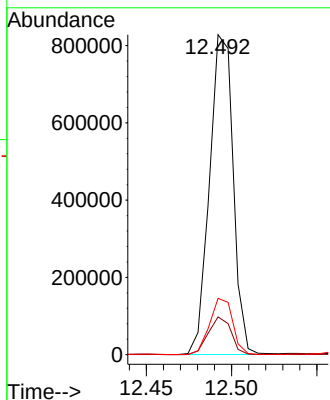
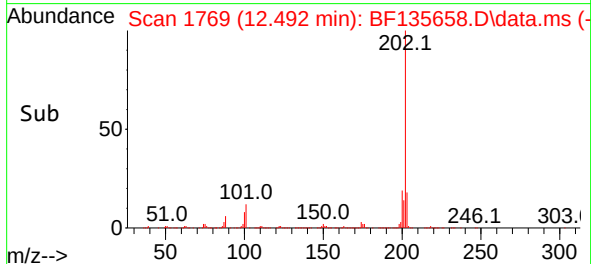
Instrument :
BNA_F
ClientSampleId :
72-11939DL



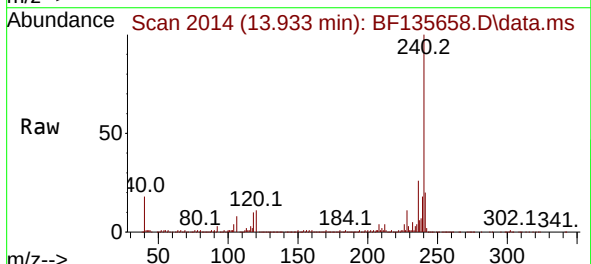
Tgt Ion:202 Resp: 800650
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.3
203 17.6 0.0 37.4

Manual Integrations
APPROVED

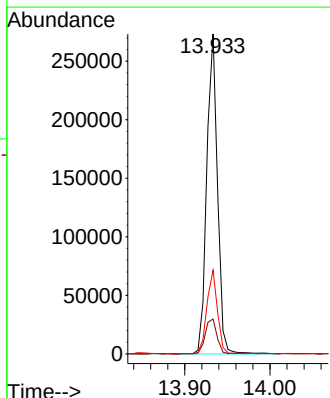
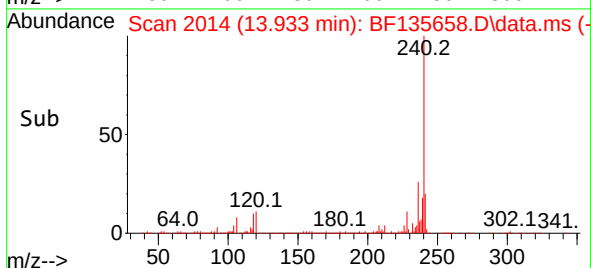
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023

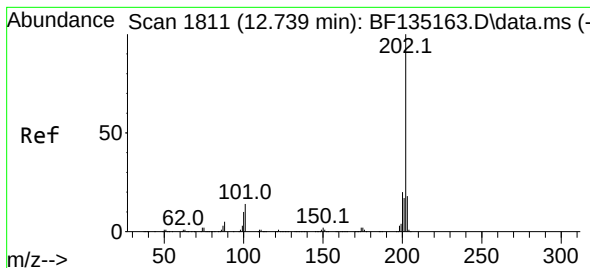


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06



Tgt Ion:240 Resp: 238957
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 26.2 19.8 29.8





#78

Pyrene

Concen: 23.720 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

Instrument :

BNA_F

ClientSampleId :

72-11939DL

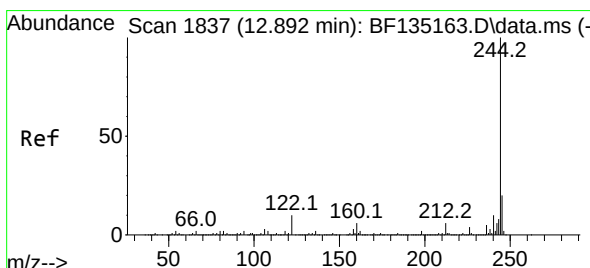
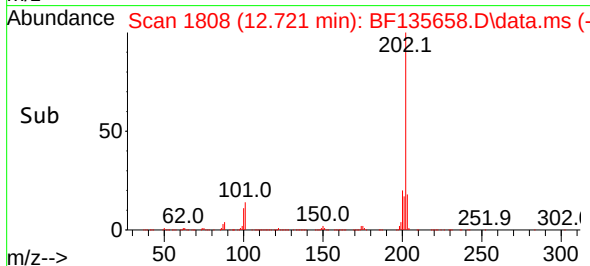
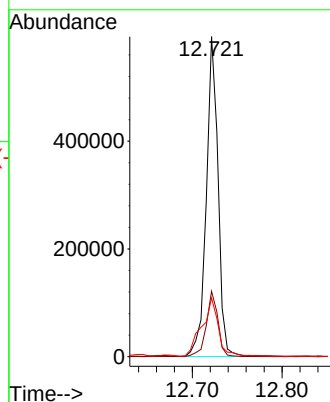
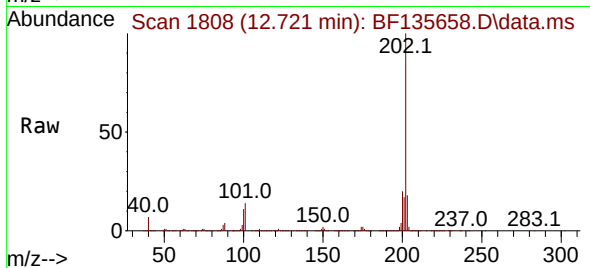
Tgt Ion:202 Resp: 539630
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.2 24.2
 203 18.3 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023



#79

Terphenyl-d14

Concen: 15.301 ng

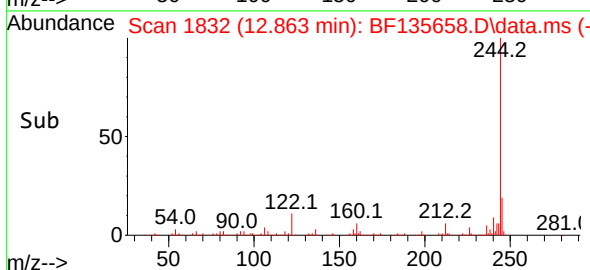
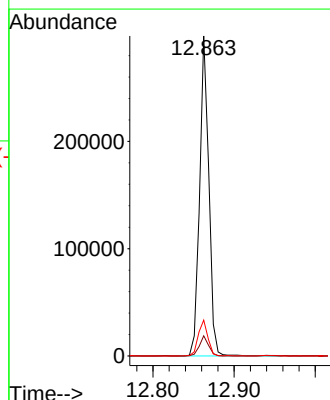
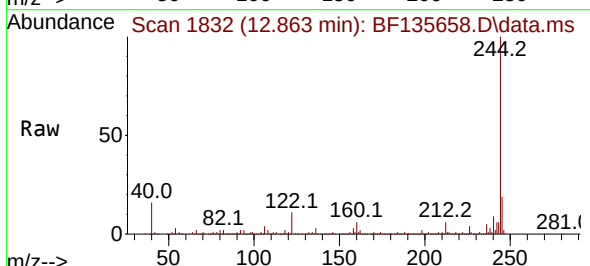
RT: 12.863 min Scan# 1832

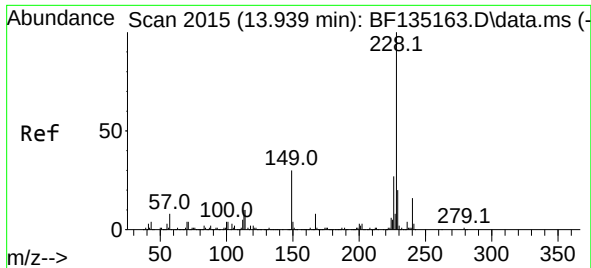
Delta R.T. 0.000 min

Lab File: BF135658.D

Acq: 09 Oct 2023 19:06

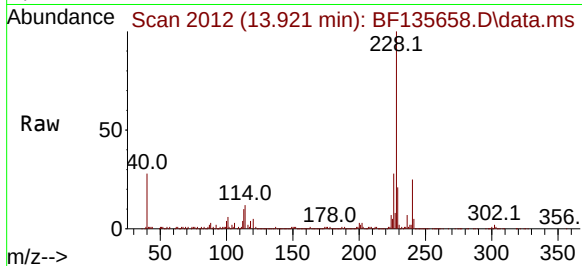
Tgt Ion:244 Resp: 235861
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.2 7.9 11.9





#81
Benzo(a)anthracene
Concen: 10.561 ng
RT: 13.921 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

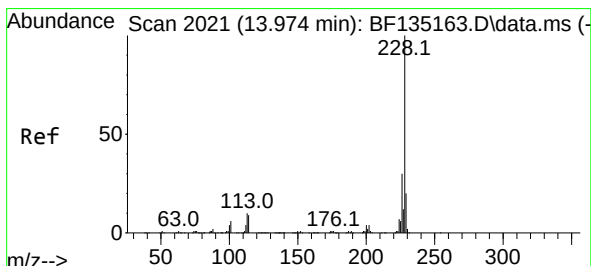
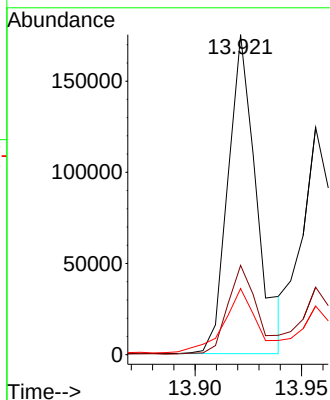
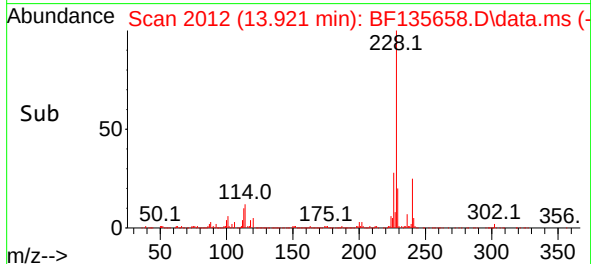
Instrument :
BNA_F
ClientSampleId :
72-11939DL



Tgt Ion:228 Resp: 162954
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 20.6 15.8 23.8

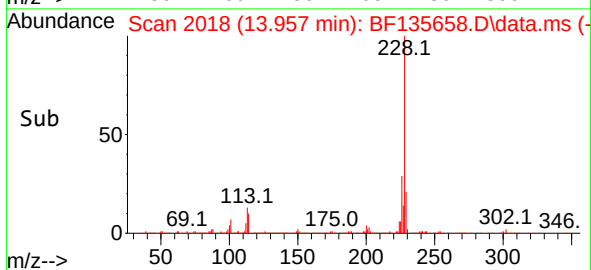
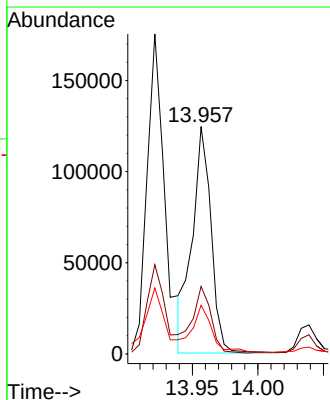
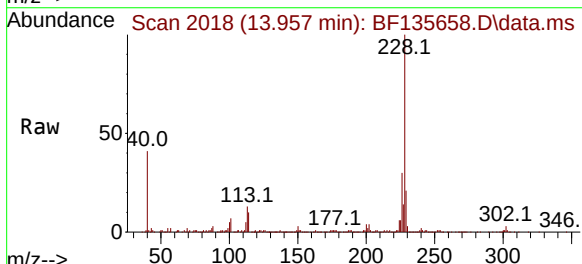
Manual Integrations
APPROVED

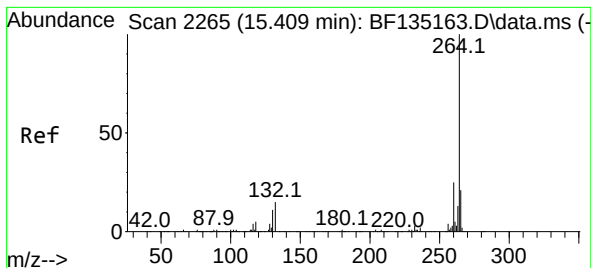
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#83
Chrysene
Concen: 8.162 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

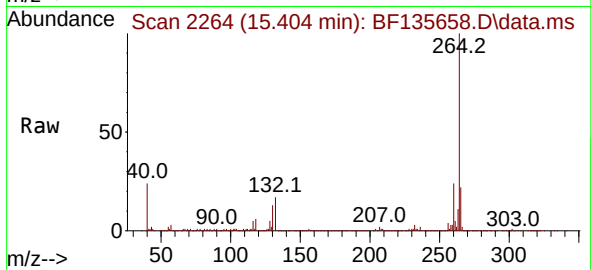
Tgt Ion:228 Resp: 125207
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 21.4 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2191
Delta R.T. 0.018 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

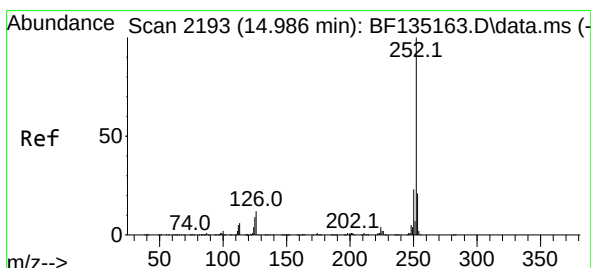
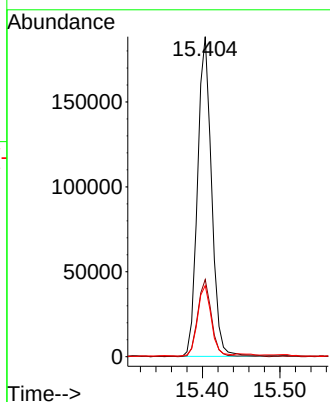
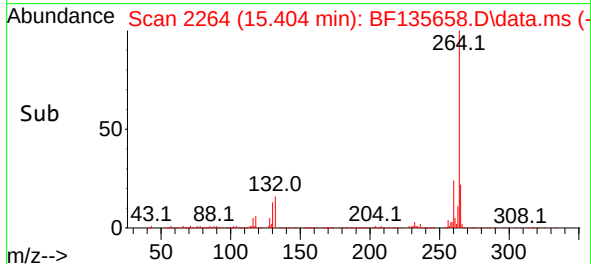
Instrument :
BNA_F
ClientSampleId :
72-11939DL



Tgt Ion:264 Resp: 236392
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.6
265 22.2 17.0 25.4

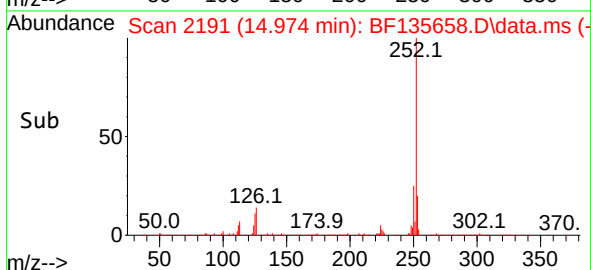
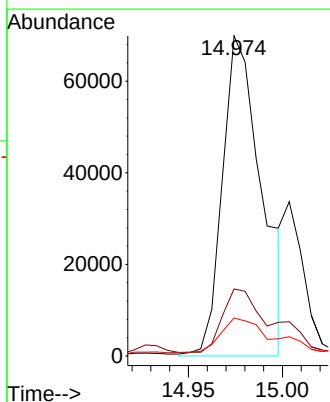
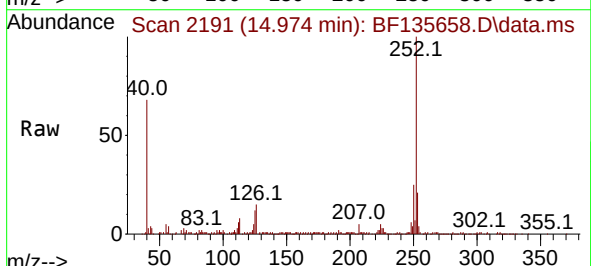
Manual Integrations
APPROVED

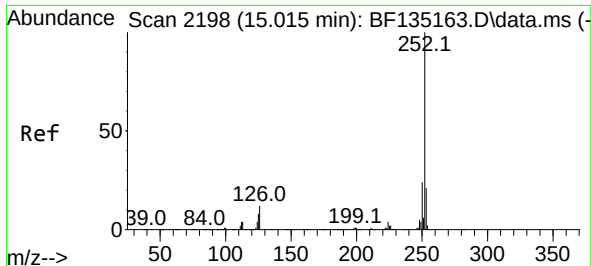
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#88
Benzo(b)fluoranthene
Concen: 7.899 ng m
RT: 14.974 min Scan# 2191
Delta R.T. 0.012 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

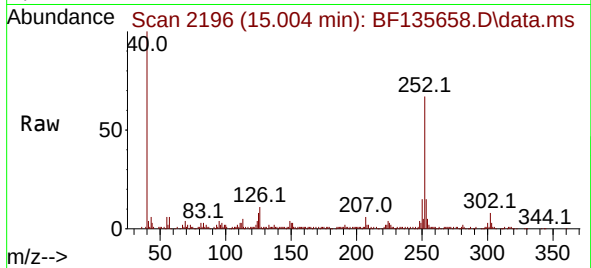
Tgt Ion:252 Resp: 101084
Ion Ratio Lower Upper
252 100
253 20.9 17.2 25.8
125 11.9 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 2.064 ng m
RT: 15.004 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

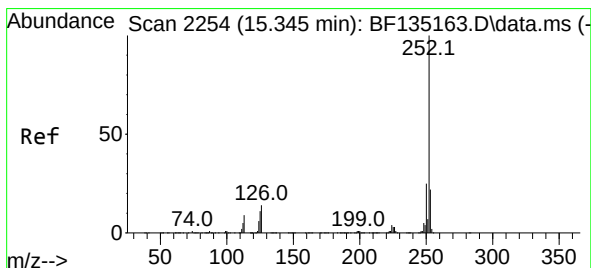
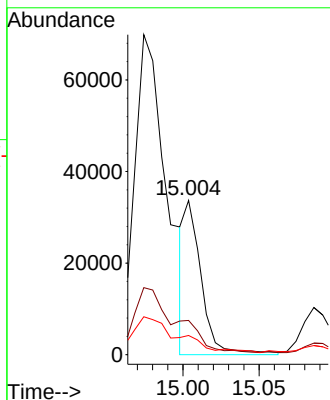
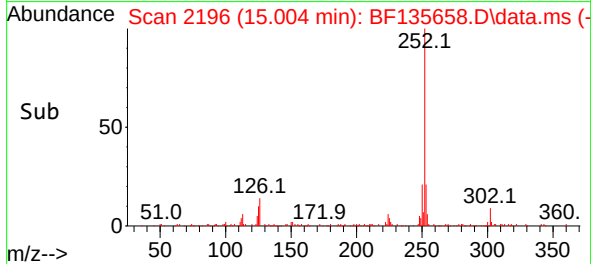
Instrument :
BNA_F
ClientSampleId :
72-11939DL



Tgt Ion:252 Resp: 2608
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 12.5 7.2 10.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#90
Benzo(a)pyrene
Concen: 4.439 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.018 min
Lab File: BF135658.D
Acq: 09 Oct 2023 19:06

Tgt Ion:252 Resp: 54165
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 13.2 9.2 13.8

