

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121123\
 Data File : BF136503.D
 Acq On : 11 Dec 2023 21:56
 Operator : CG\JU
 Sample : 05671-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-35

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 11 23:47:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	125989	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	503181	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	238158	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	357100	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	229649	20.000	ng	-0.01
86) Perylene-d12	15.451	264	258509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	758695	88.933	ng	0.00
7) Phenol-d6	6.440	99	921892	86.613	ng	0.00
23) Nitrobenzene-d5	7.357	82	566278	60.839	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	200224	68.184	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1050890	60.210	ng	-0.01
79) Terphenyl-d14	12.916	244	771054	44.254	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	285949	14.569	ng	98
72) Anthracene	11.392	178	40627	2.055	ng	97
75) Fluoranthene	12.533	202	375257	18.244	ng	97
78) Pyrene	12.763	202	330359	14.689	ng	97
81) Benzo(a)anthracene	13.957	228	155327	9.710	ng	97
83) Chrysene	13.998	228	160487	10.197	ng	96
87) Indeno(1,2,3-cd)pyrene	16.945	276	83217	4.634	ng	97
88) Benzo(b)fluoranthene	15.015	252	217027m	12.279	ng	
89) Benzo(k)fluoranthene	15.045	252	72801m	4.371	ng	
90) Benzo(a)pyrene	15.386	252	147010	10.071	ng	98
92) Benzo(g,h,i)perylene	17.398	276	73078	4.839	ng	98

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

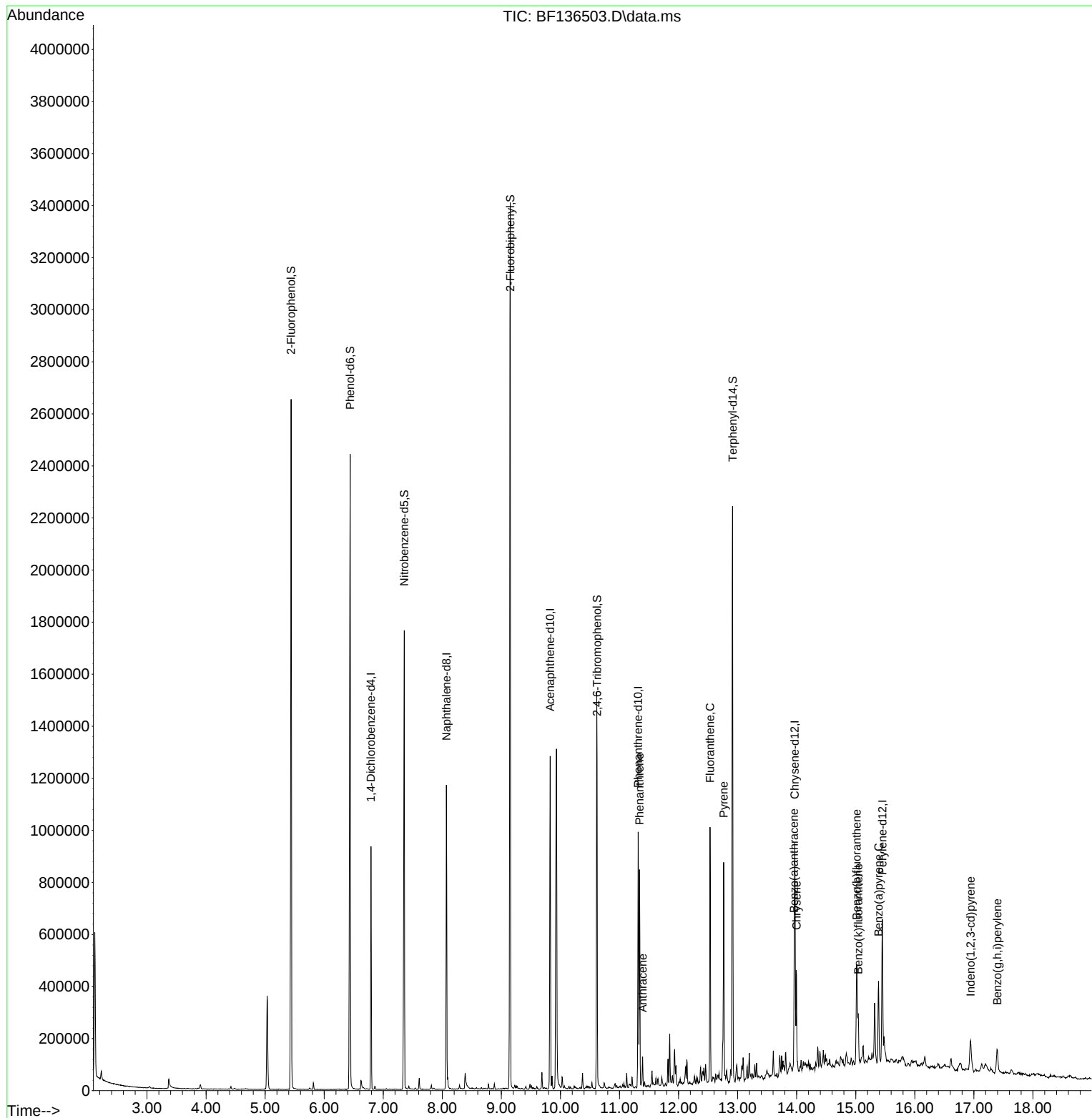
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121123\
Data File : BF136503.D
Acq On : 11 Dec 2023 21:56
Operator : CG\JU
Sample : 05671-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

Quant Time: Dec 11 23:47:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

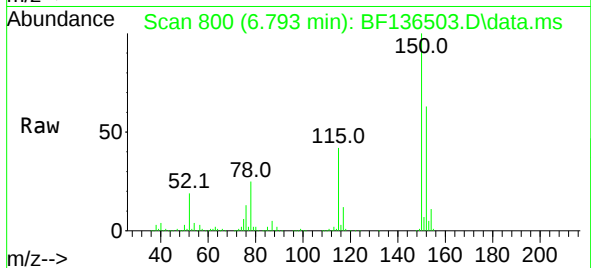
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

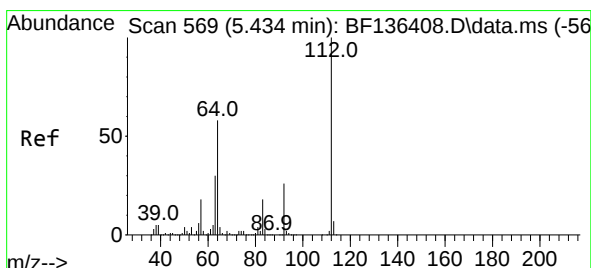
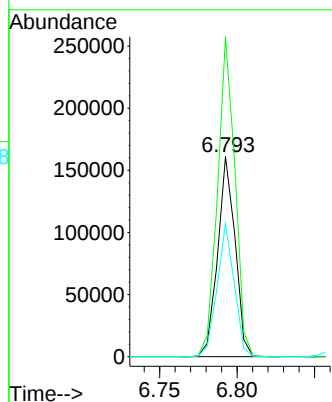
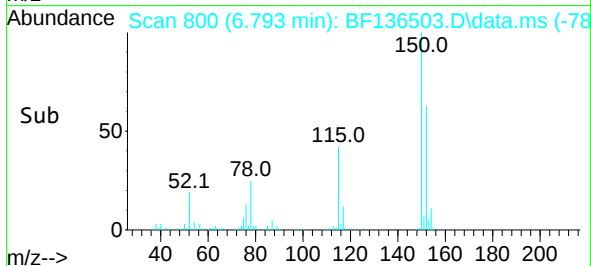
Instrument :
BNA_F
ClientSampleId :
TP-35



Tgt Ion:152 Resp: 125989
Ion Ratio Lower Upper
152 100
150 159.8 126.4 189.6
115 66.5 48.2 72.4

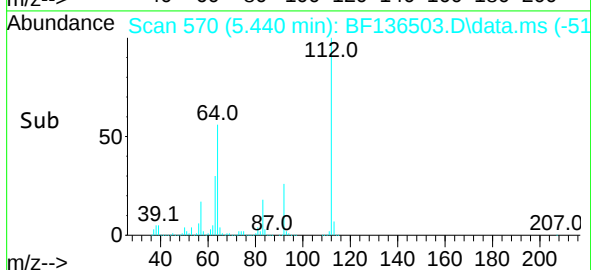
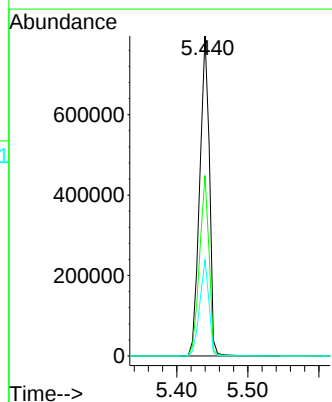
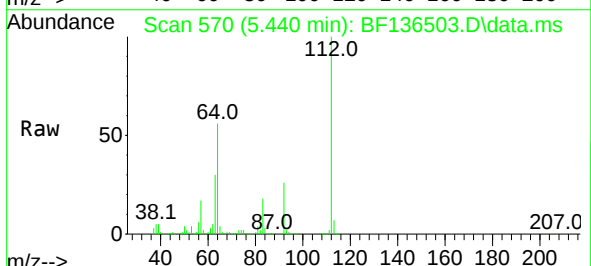
Manual Integrations
APPROVED

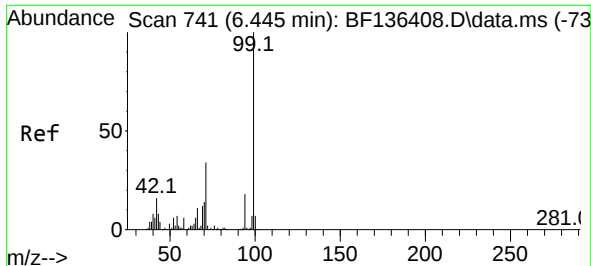
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 88.933 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

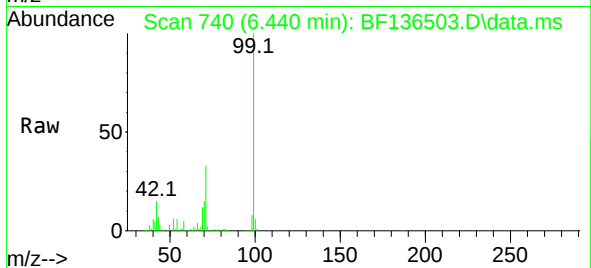
Tgt Ion:112 Resp: 758695
Ion Ratio Lower Upper
112 100
64 56.4 46.5 69.7
63 30.0 23.9 35.9





#7
Phenol-d6
Concen: 86.613 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

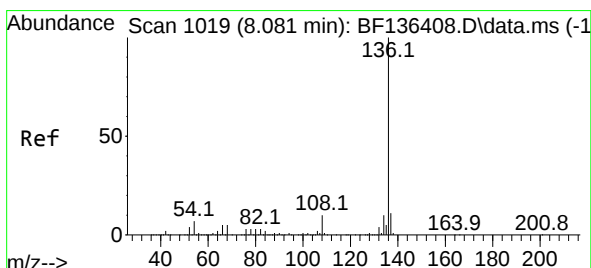
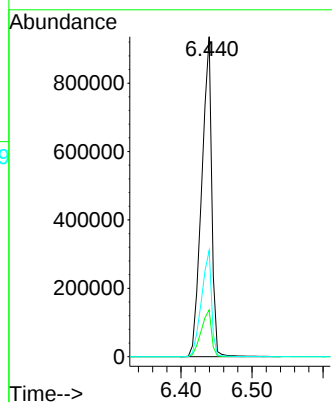
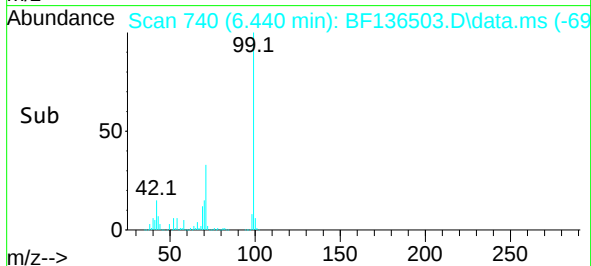
Instrument :
BNA_F
ClientSampleId :
TP-35



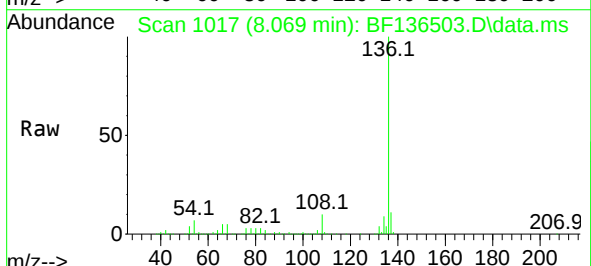
Tgt Ion: 99 Resp: 921892
Ion Ratio Lower Upper
99 100
42 14.6 12.8 19.2
71 33.2 27.0 40.4

Manual Integrations
APPROVED

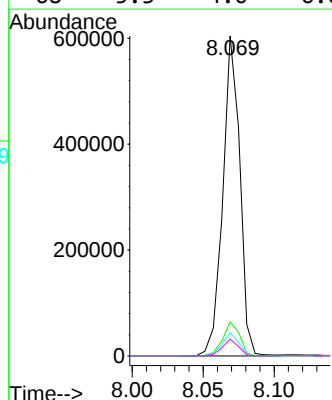
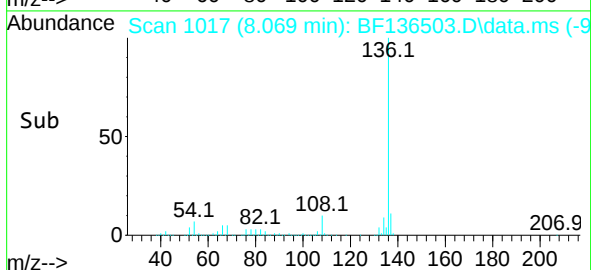
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56



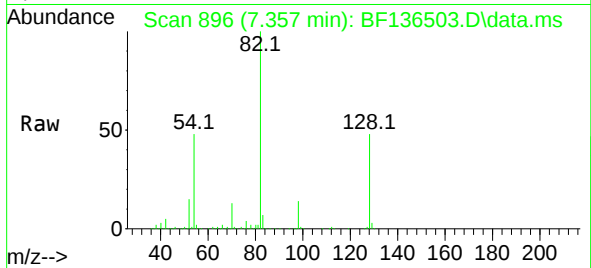
Tgt Ion:136 Resp: 503181
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 7.2 5.7 8.5
68 5.3 4.0 6.0





#23
Nitrobenzene-d5
Concen: 60.839 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

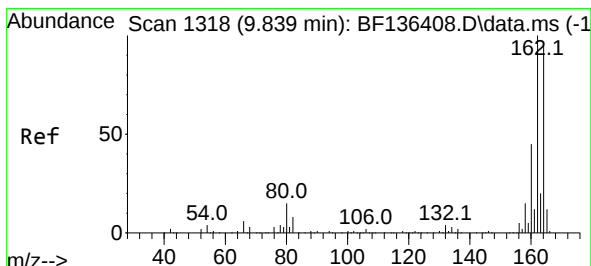
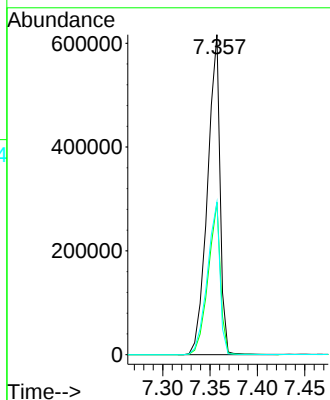
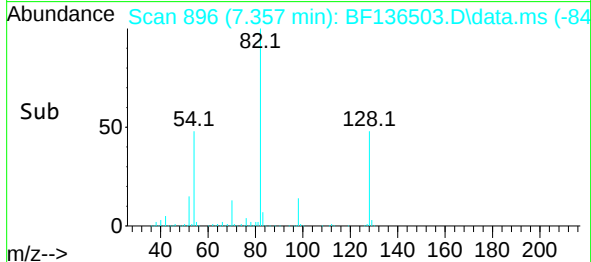
Instrument :
BNA_F
ClientSampleId :
TP-35



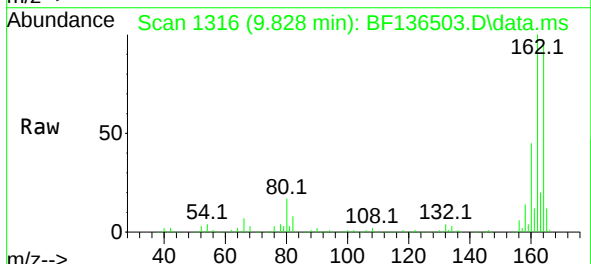
Tgt Ion: 82 Resp: 566278
Ion Ratio Lower Upper
82 100
128 47.6 36.3 54.5
54 47.6 39.0 58.6

Manual Integrations
APPROVED

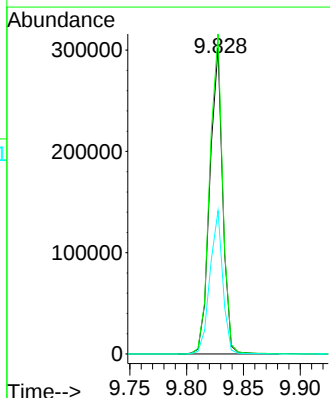
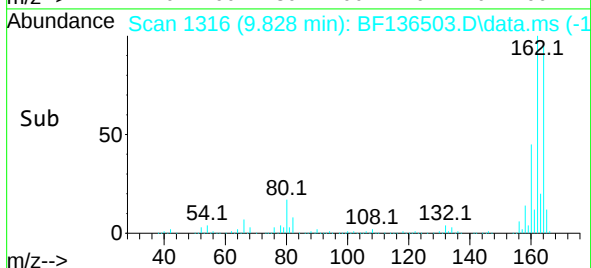
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

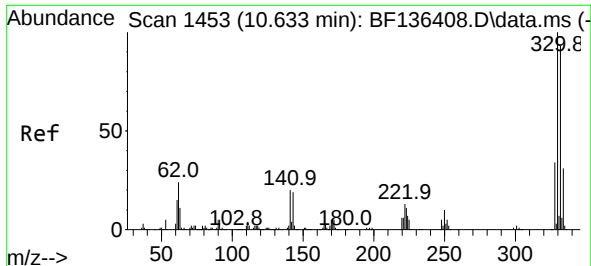


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56



Tgt Ion:164 Resp: 238158
Ion Ratio Lower Upper
164 100
162 104.5 84.4 126.6
160 46.8 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 68.184 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :

BNA_F

ClientSampleId :

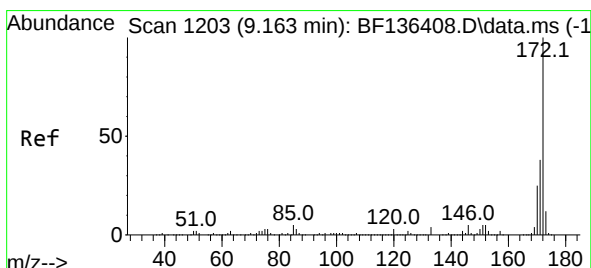
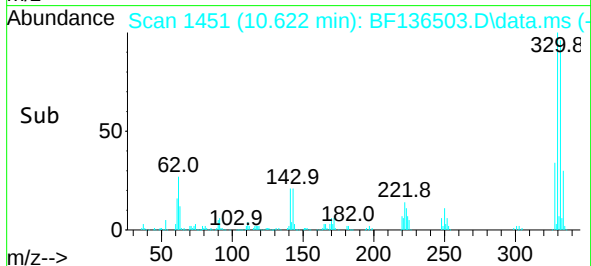
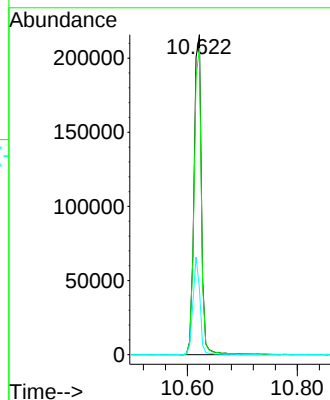
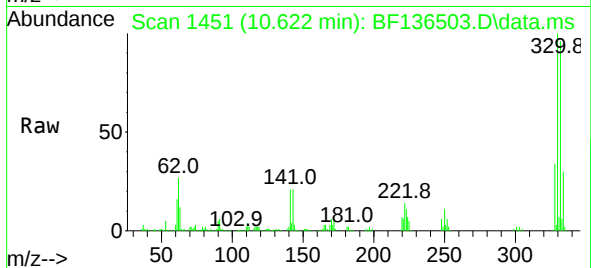
TP-35

Tgt Ion:330 Resp: 200224
Ion Ratio Lower Upper
330 100
332 94.1 76.4 114.6
141 28.8 23.4 35.2

Manual Integrations

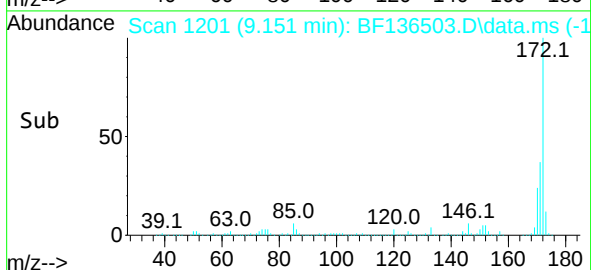
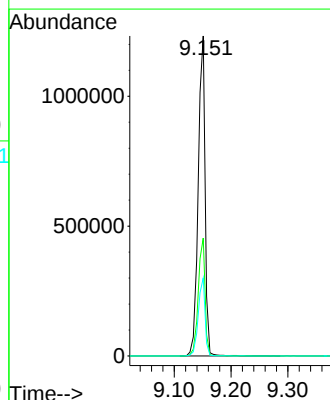
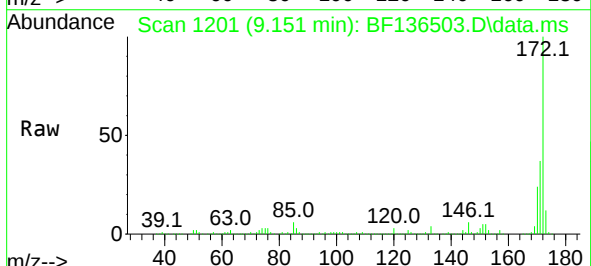
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#45
2-Fluorobiphenyl
Concen: 60.210 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:172 Resp: 1050890
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 24.3 19.9 29.9





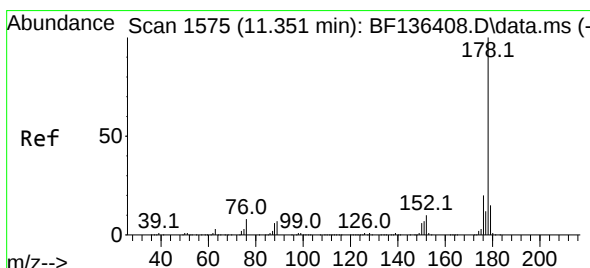
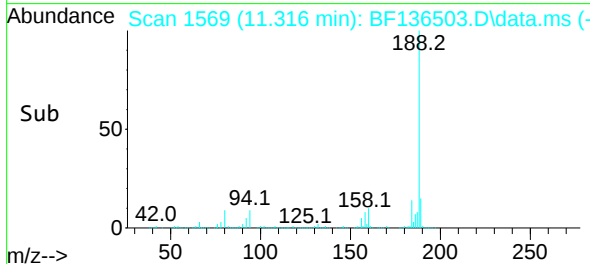
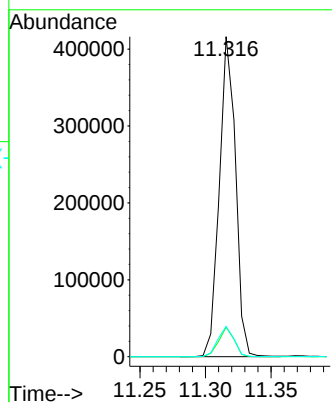
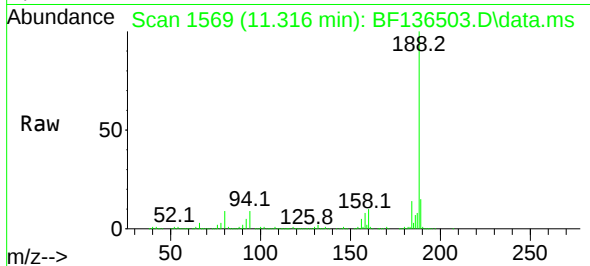
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:188 Resp: 357100
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.5 7.2 10.8

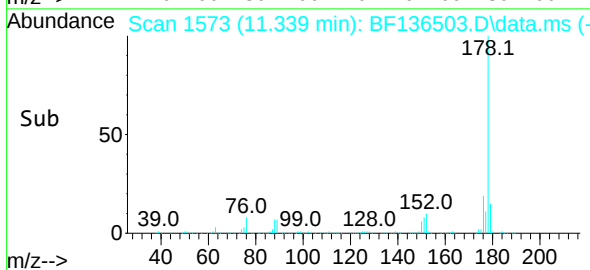
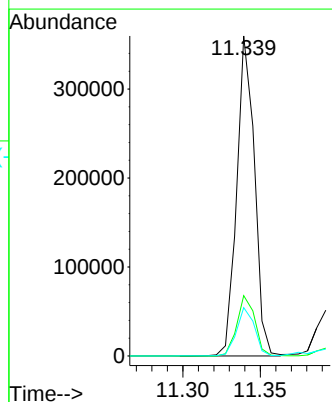
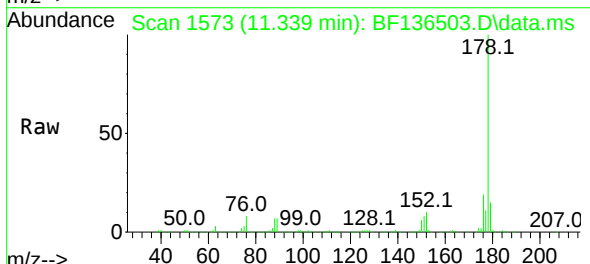
Manual Integrations
APPROVED

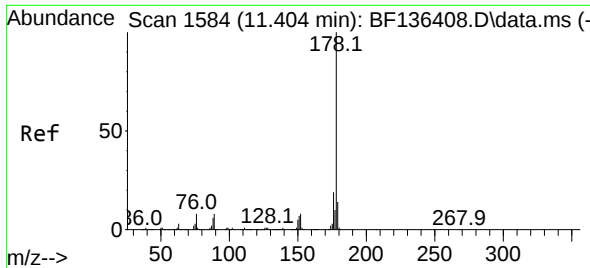
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 14.569 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

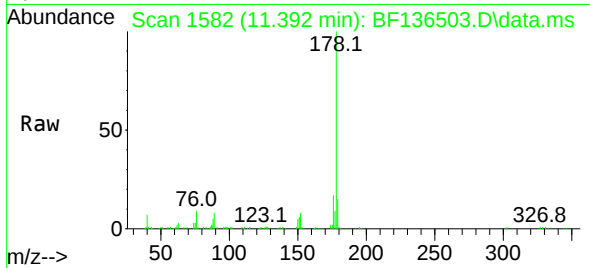
Tgt Ion:178 Resp: 285949
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.1 11.8 17.6





#72
 Anthracene
 Concen: 2.055 ng
 RT: 11.392 min Scan# 11392
 Delta R.T. -0.012 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

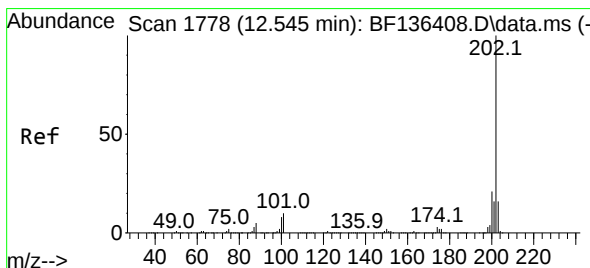
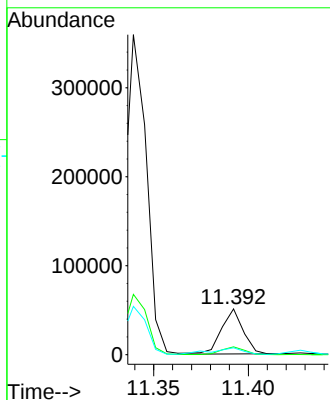
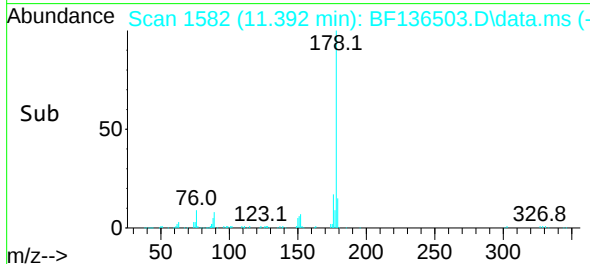
Instrument :
 BNA_F
 ClientSampleId :
 TP-35



Tgt Ion:178 Resp: 40627
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.3 22.9
 179 14.9 11.4 17.0

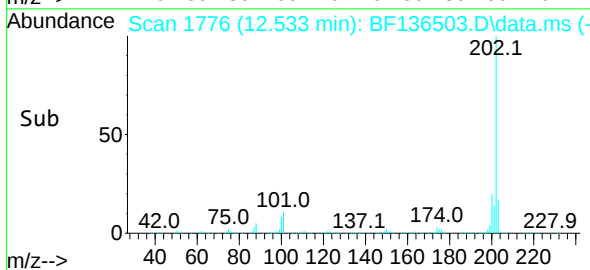
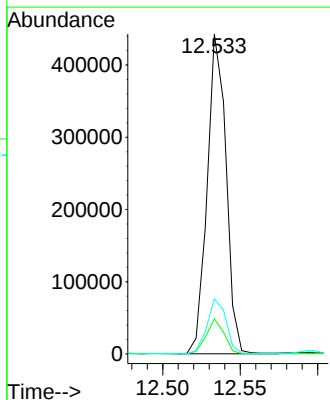
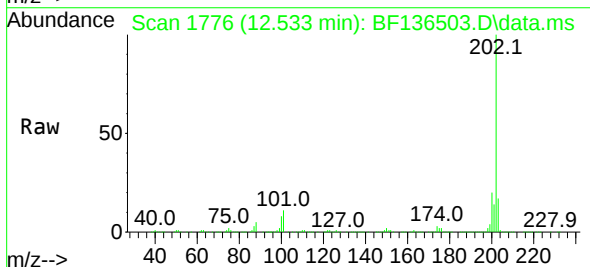
Manual Integrations
 APPROVED

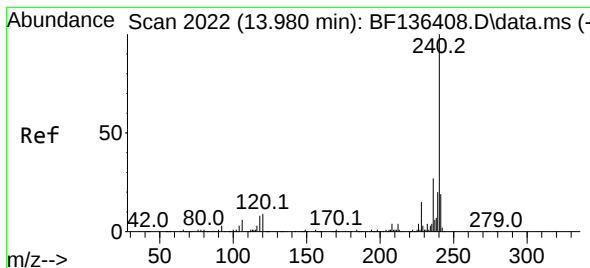
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#75
 Fluoranthene
 Concen: 18.244 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.012 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

Tgt Ion:202 Resp: 375257
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 29.9
 203 17.2 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136503.D

Acq: 11 Dec 2023 21:56

Instrument :

BNA_F

ClientSampleId :

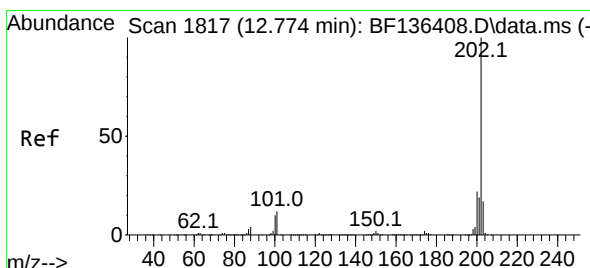
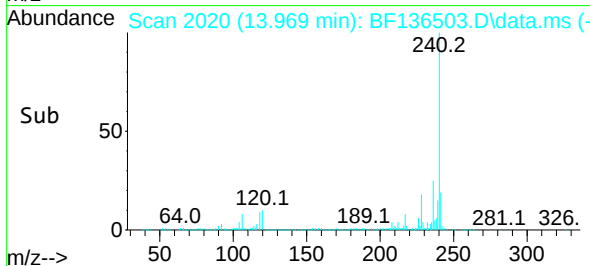
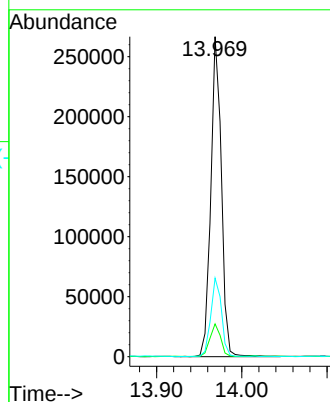
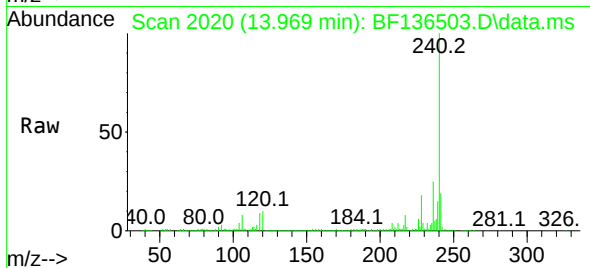
TP-35

Tgt Ion:240	Resp: 229649
Ion Ratio	Lower Upper
240 100	
120 10.2	7.3 10.9
236 24.6	21.3 31.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#78

Pyrene

Concen: 14.689 ng

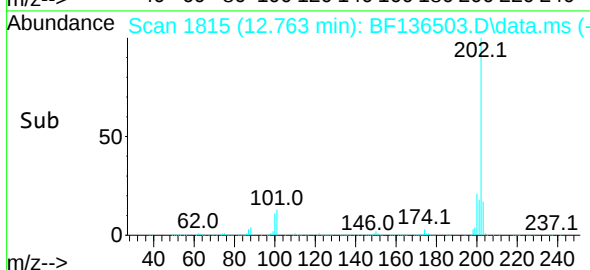
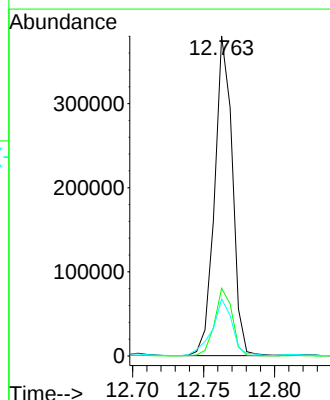
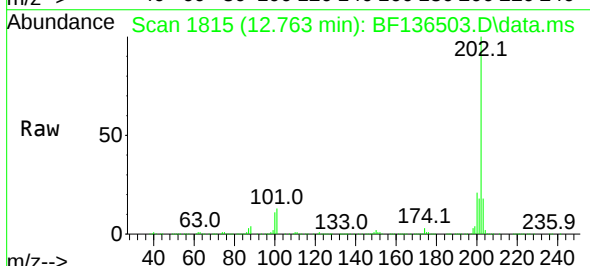
RT: 12.763 min Scan# 1815

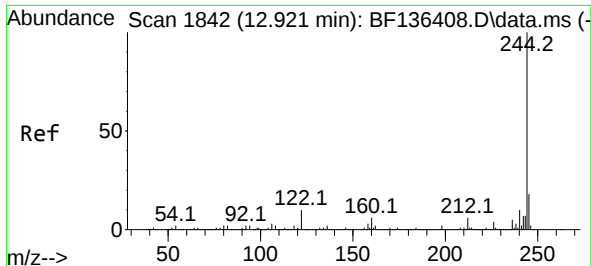
Delta R.T. -0.012 min

Lab File: BF136503.D

Acq: 11 Dec 2023 21:56

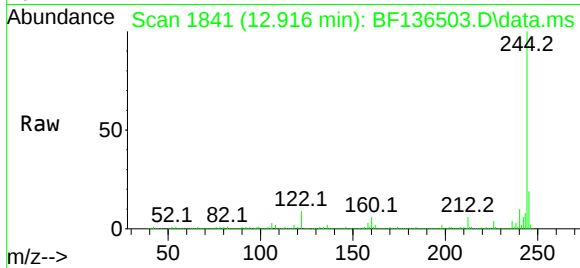
Tgt Ion:202	Resp: 330359
Ion Ratio	Lower Upper
202 100	
200 21.1	18.0 27.0
203 17.8	13.5 20.3





#79
 Terphenyl-d14
 Concen: 44.254 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

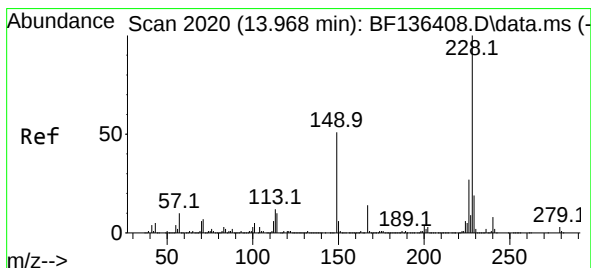
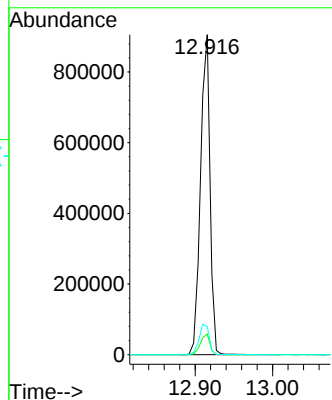
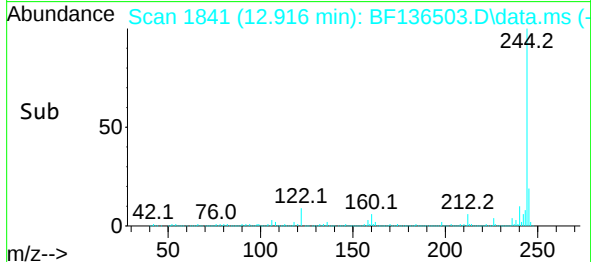
Instrument :
 BNA_F
 ClientSampleId :
 TP-35



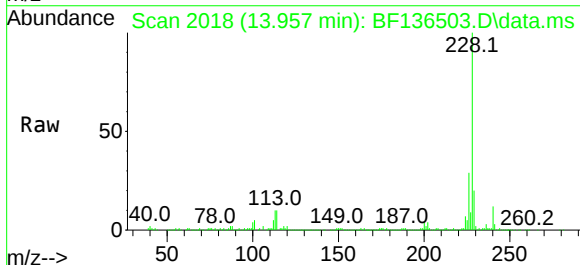
Tgt Ion:244 Resp: 771054
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 8.8 8.3 12.5

Manual Integrations
 APPROVED

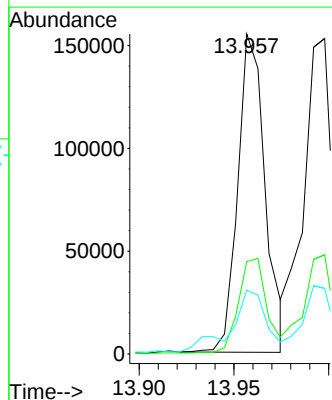
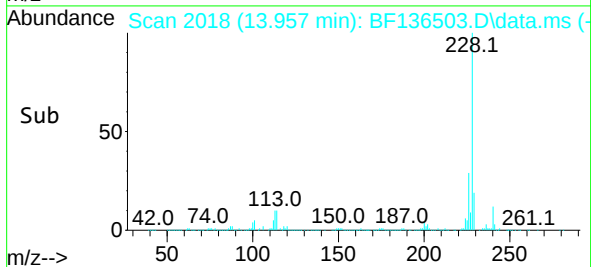
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

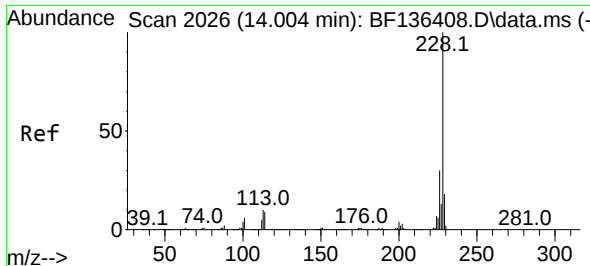


#81
 Benzo(a)anthracene
 Concen: 9.710 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56



Tgt Ion:228 Resp: 155327
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.8 32.8
 229 19.9 15.0 22.4





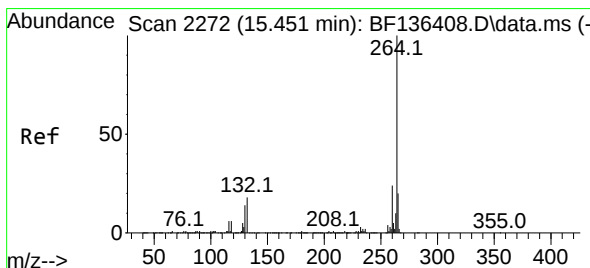
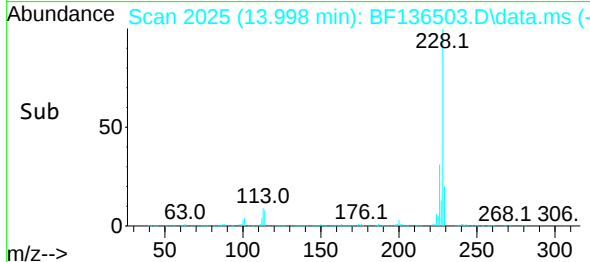
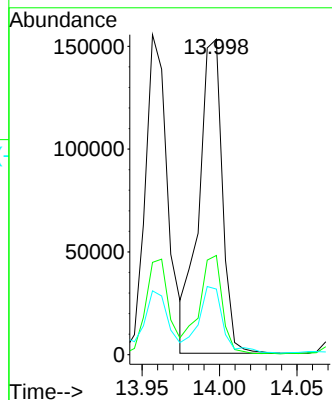
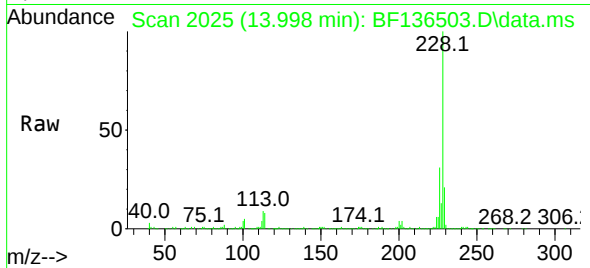
#83
Chrysene
Concen: 10.197 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :
BNA_F
Client Sample Id :
TP-35

Tgt Ion:228 Resp: 16048
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.6
229 20.8 14.8 22.2

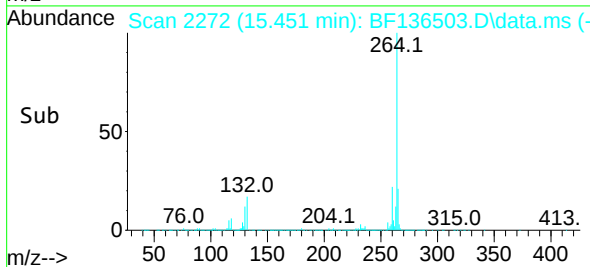
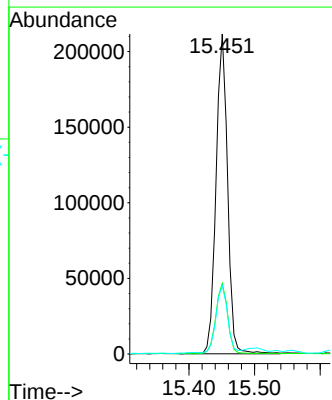
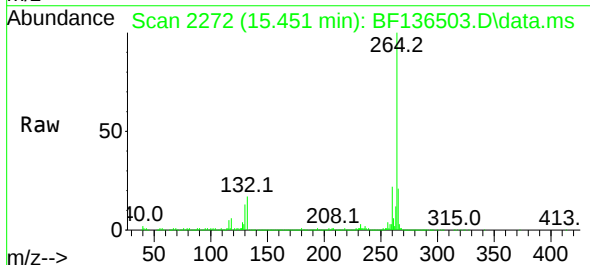
Manual Integrations
APPROVED

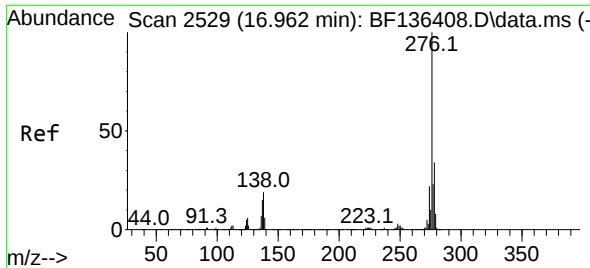
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Tgt Ion:264 Resp: 258509
Ion Ratio Lower Upper
264 100
260 22.0 19.2 28.8
265 21.4 15.9 23.9





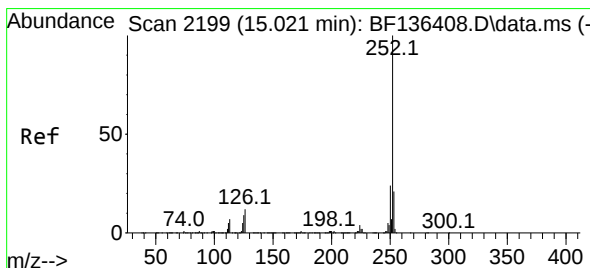
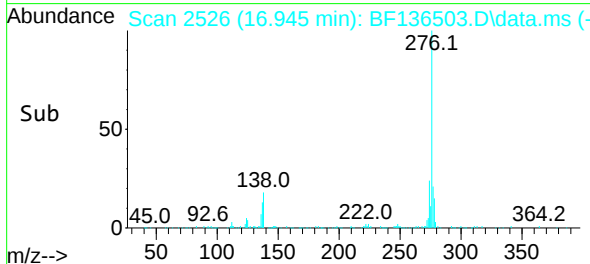
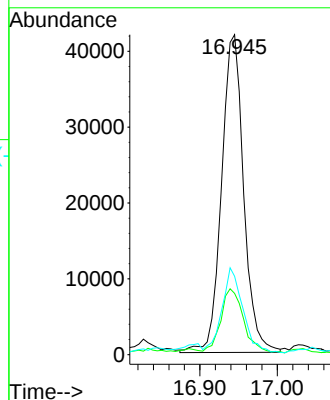
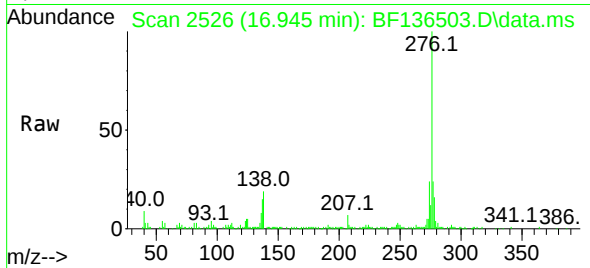
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.634 ng
RT: 16.945 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:276 Resp: 8321
Ion Ratio Lower Upper
276 100
138 21.2 19.0 28.4
277 25.2 20.0 30.0

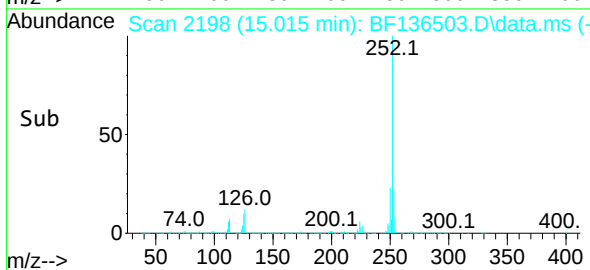
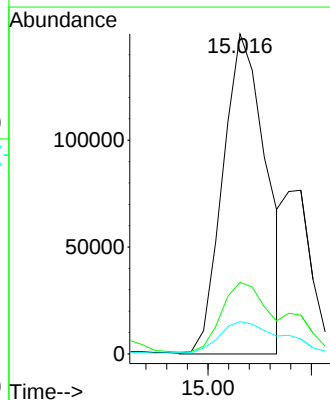
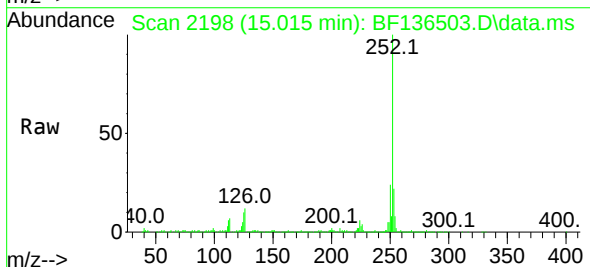
Manual Integrations
APPROVED

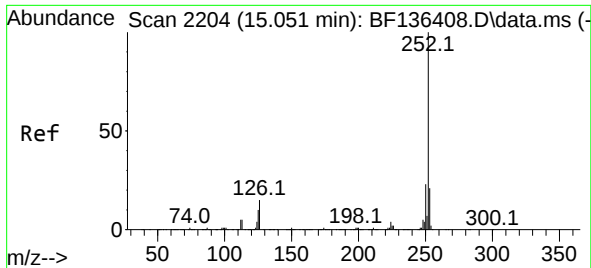
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#88
Benzo(b)fluoranthene
Concen: 12.279 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

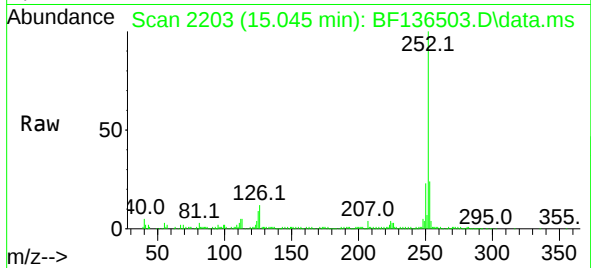
Tgt Ion:252 Resp: 217027
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 10.1 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 4.371 ng m
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

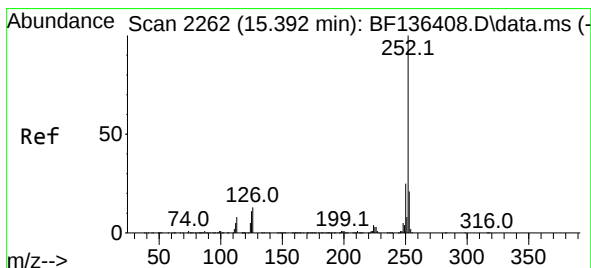
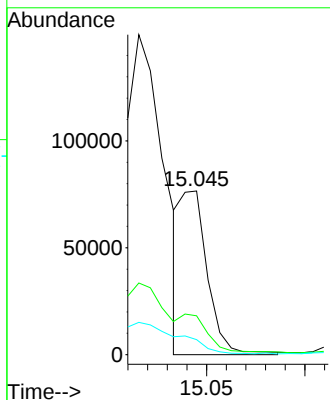
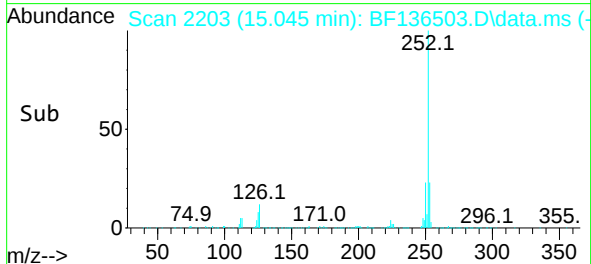
Instrument :
BNA_F
ClientSampleId :
TP-35



Tgt Ion:252 Resp: 7280
Ion Ratio Lower Upper
252 100
253 23.7 16.9 25.3
125 9.2 7.5 11.3

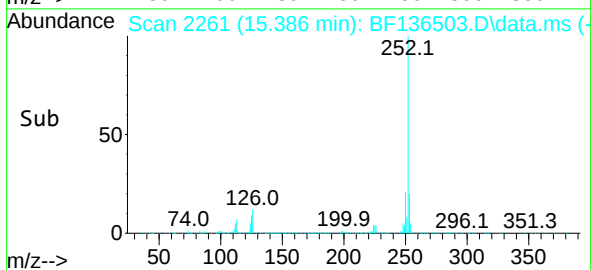
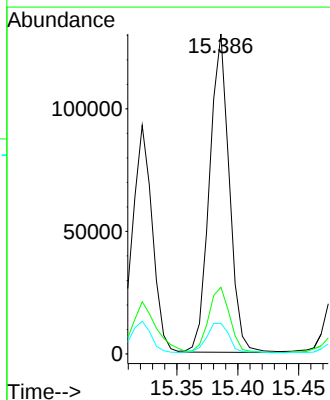
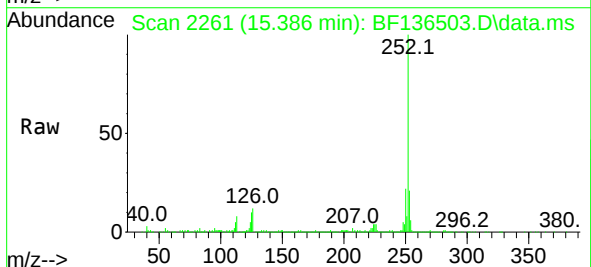
Manual Integrations
APPROVED

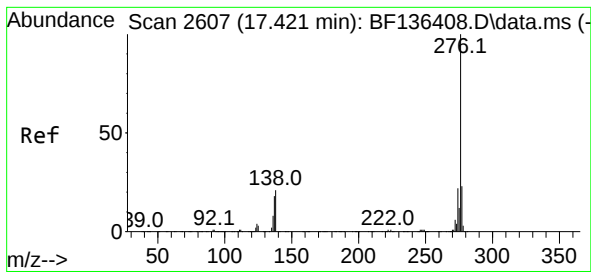
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#90
Benzo(a)pyrene
Concen: 10.071 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136503.D
Acq: 11 Dec 2023 21:56

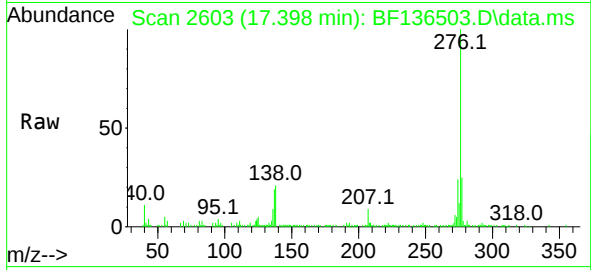
Tgt Ion:252 Resp: 147010
Ion Ratio Lower Upper
252 100
253 20.9 17.0 25.4
125 9.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.839 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF136503.D
 Acq: 11 Dec 2023 21:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-35



Tgt Ion: 276 Resp: 73078
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.7 28.1
 138 21.4 16.6 25.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

