

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136065.D
 Acq On : 31 Oct 2023 22:15
 Operator : CG\JU
 Sample : 04888-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21RE

Quant Time: Nov 01 00:38:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	102253	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	344458	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	157032	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	314970	20.000	ng	0.00
76) Chrysene-d12	14.016	240	290294	20.000	ng	0.00
86) Perylene-d12	15.504	264	213085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	548522	84.296	ng	0.00
7) Phenol-d6	6.451	99	627316	77.375	ng	0.00
23) Nitrobenzene-d5	7.381	82	347390	60.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	153634	91.660	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	574153	58.285	ng	0.00
79) Terphenyl-d14	12.957	244	739568	39.591	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.375	178	90266	5.692	ng	99
75) Fluoranthene	12.574	202	155023	9.515	ng	98
78) Pyrene	12.804	202	227010	8.870	ng	99
81) Benzo(a)anthracene	14.004	228	88628m	4.612	ng	
83) Chrysene	14.039	228	117582	6.213	ng	99
88) Benzo(b)fluoranthene	15.068	252	81451m	6.460	ng	
90) Benzo(a)pyrene	15.439	252	55405	4.729	ng	97
92) Benzo(g,h,i)perylene	17.468	276	27618	4.893	ng	# 93

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

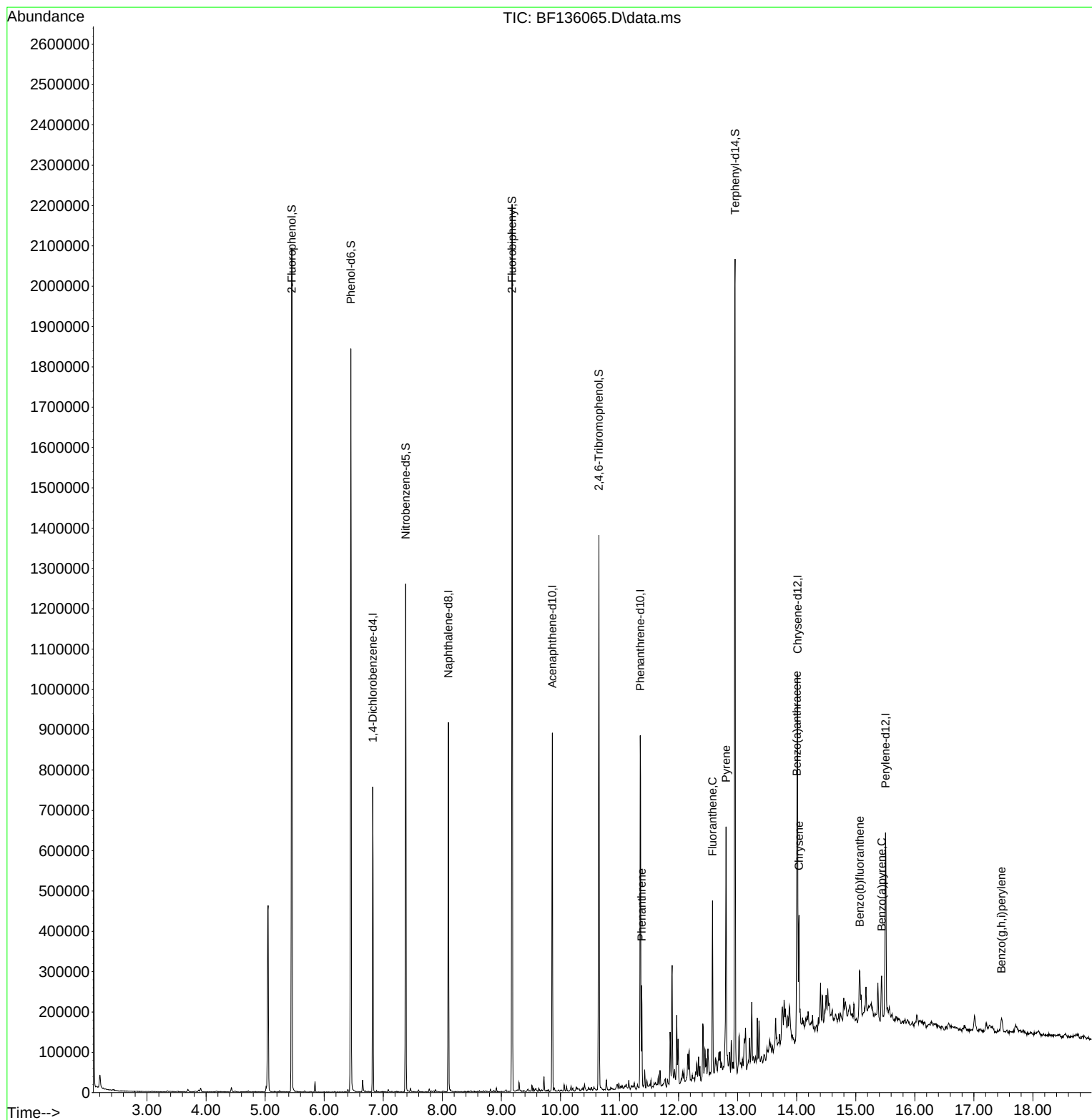
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136065.D
Acq On : 31 Oct 2023 22:15
Operator : CG\JU
Sample : 04888-01RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

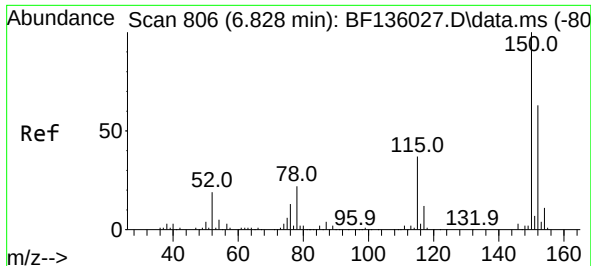
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE

Quant Time: Nov 01 00:38:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

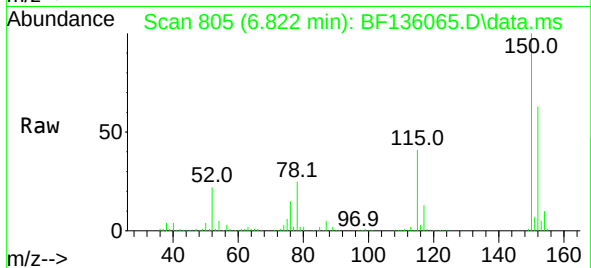
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

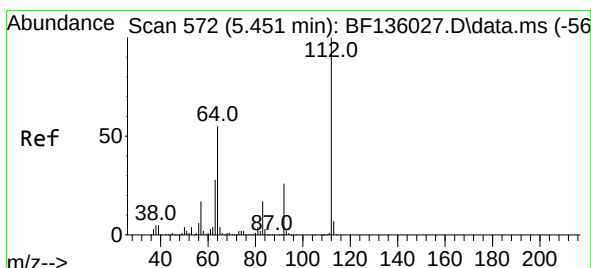
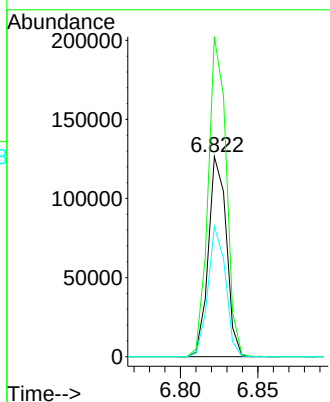
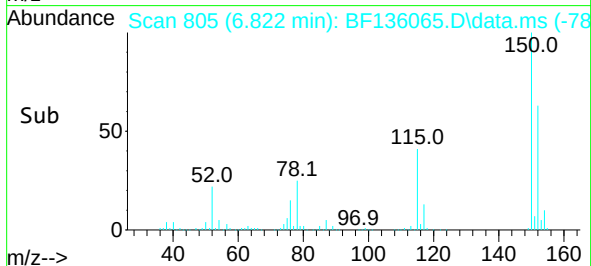
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE



Tgt Ion:152 Resp: 10225
Ion Ratio Lower Upper
152 100
150 159.8 126.4 189.6
115 65.1 47.0 70.4

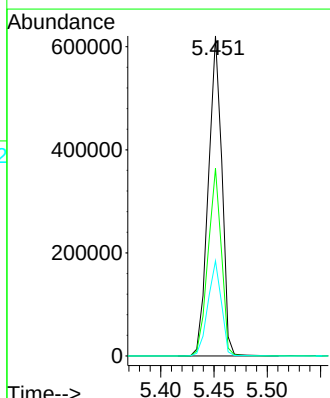
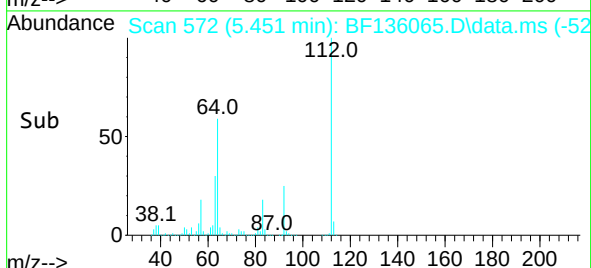
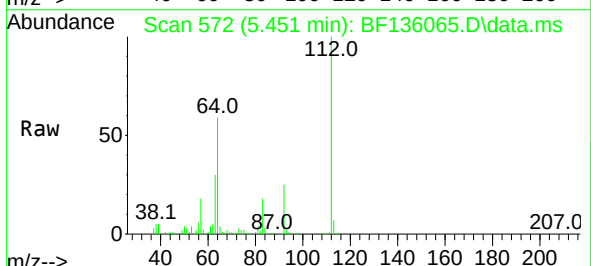
Manual Integrations
APPROVED

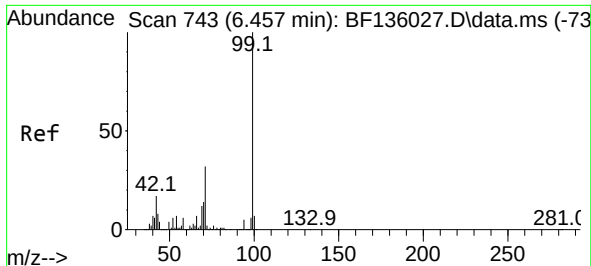
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 84.296 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:112 Resp: 548522
Ion Ratio Lower Upper
112 100
64 58.6 43.9 65.9
63 29.7 22.4 33.6





#7

Phenol-d6

Concen: 77.375 ng

RT: 6.451 min Scan# 743

Delta R.T. -0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21RE

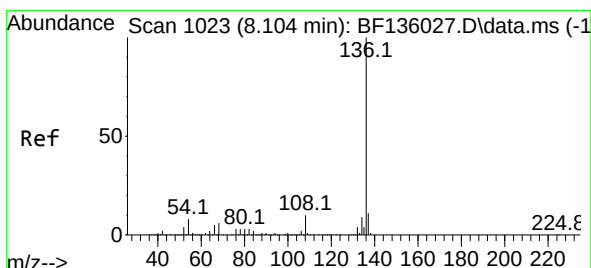
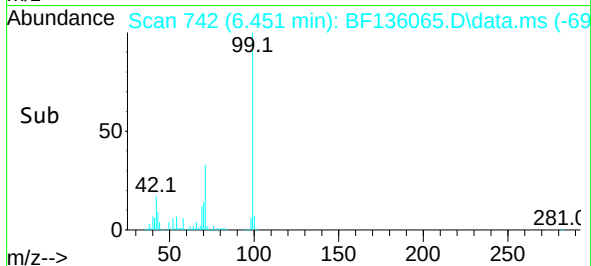
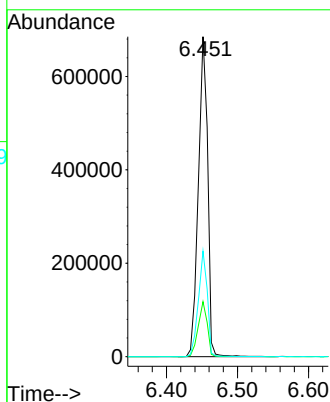
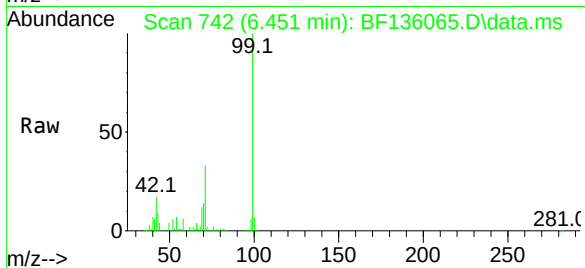
Tgt Ion: 99 Resp: 627310
 Ion Ratio Lower Upper
 99 100
 42 17.2 13.7 20.5
 71 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#21

Naphthalene-d8

Concen: 20.000 ng

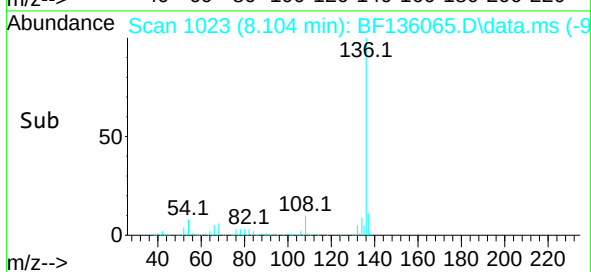
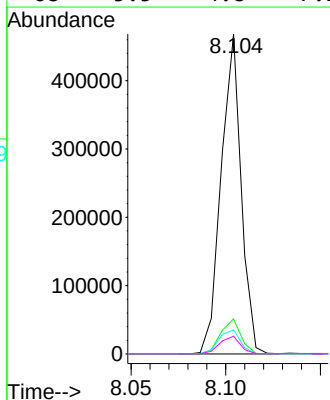
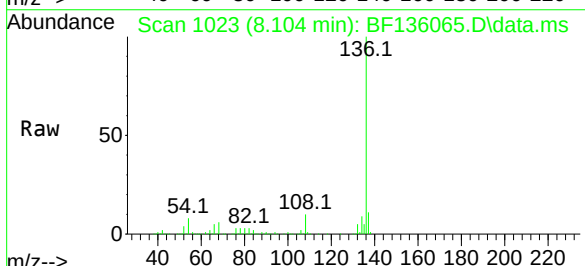
RT: 8.104 min Scan# 1023

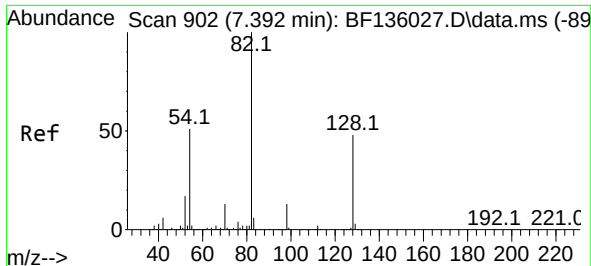
Delta R.T. 0.000 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Tgt Ion:136 Resp: 344458
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.6 13.0
 54 7.5 6.6 9.8
 68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 60.796 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF136065.D

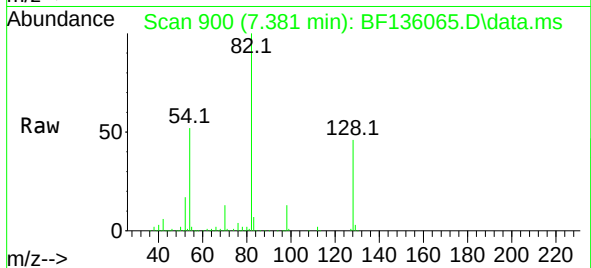
Acq: 31 Oct 2023 22:15

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21RE



Tgt Ion: 82 Resp: 347390

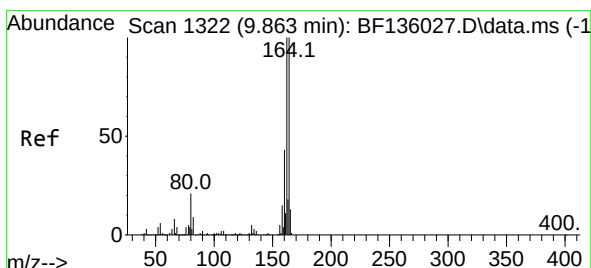
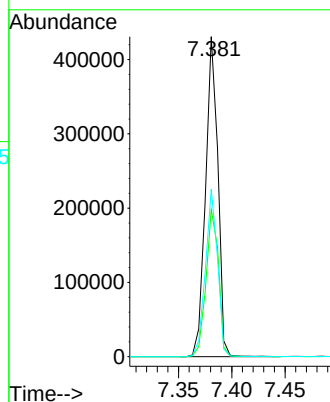
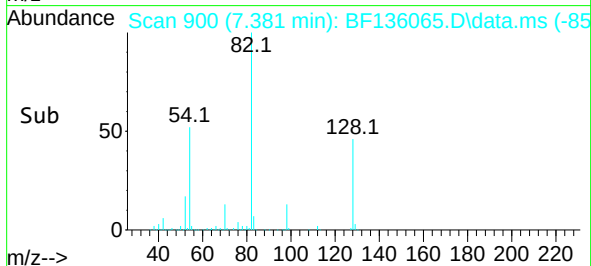
Ion	Ratio	Lower	Upper
82	100		
128	46.0	38.6	57.8
54	52.3	40.8	61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

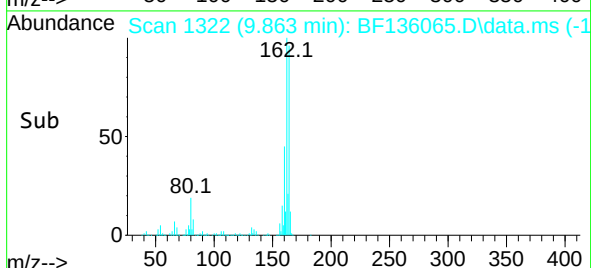
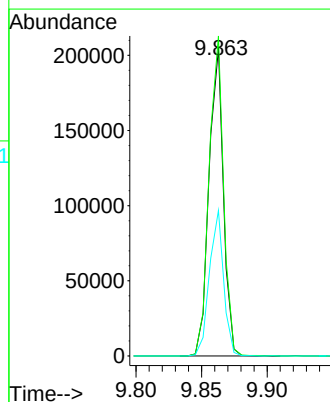
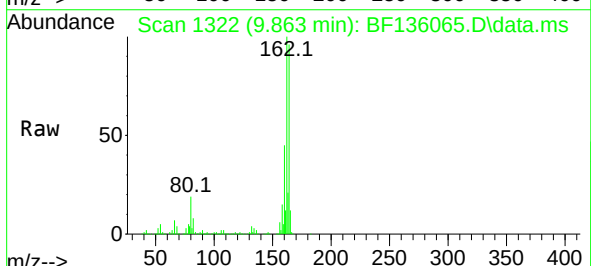
Delta R.T. -0.000 min

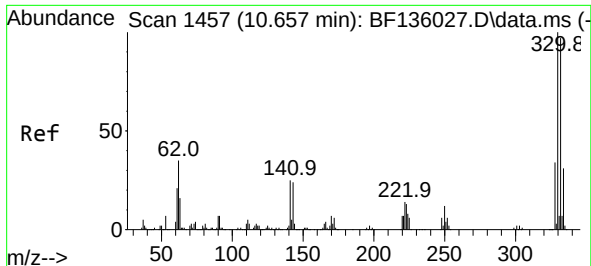
Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Tgt Ion:164 Resp: 157032

Ion	Ratio	Lower	Upper
164	100		
162	104.0	80.1	120.1
160	47.3	34.8	52.2





#42

2,4,6-Tribromophenol

Concen: 91.660 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21RE

Tgt Ion:330 Resp: 153634

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

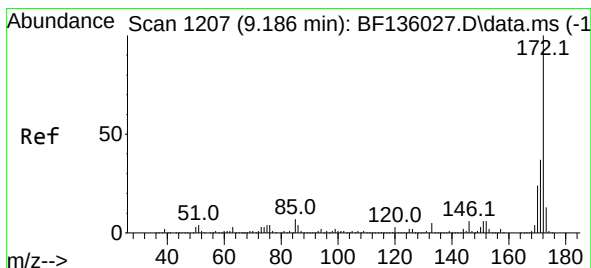
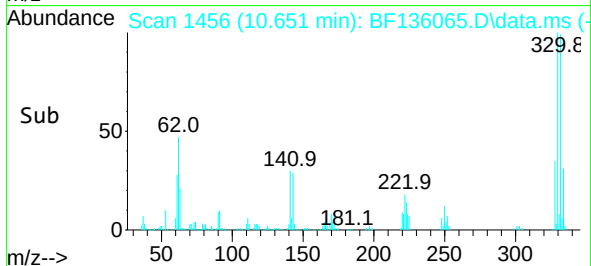
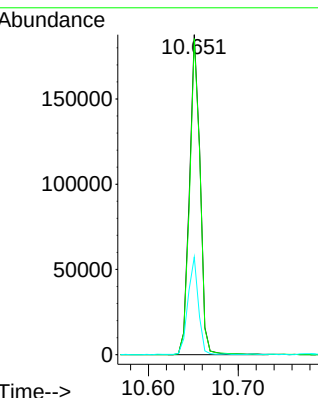
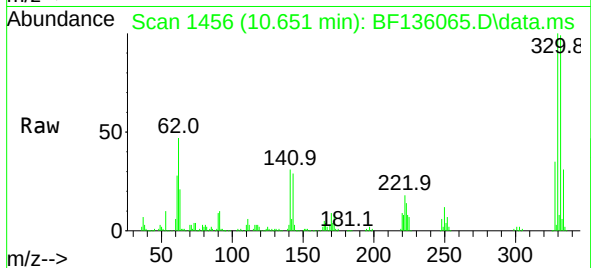
141 30.3 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#45

2-Fluorobiphenyl

Concen: 58.285 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

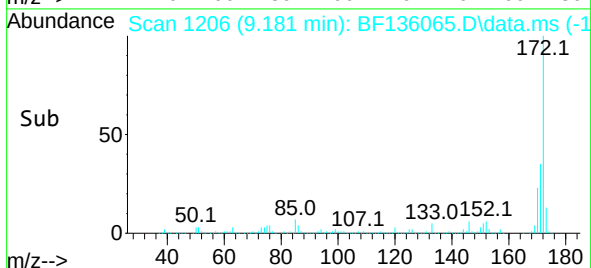
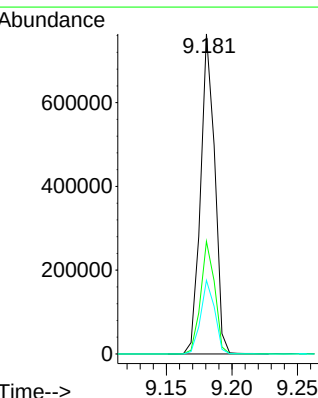
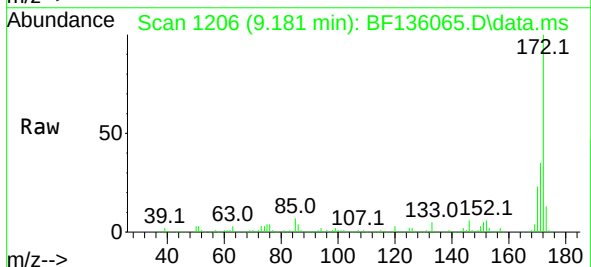
Tgt Ion:172 Resp: 574153

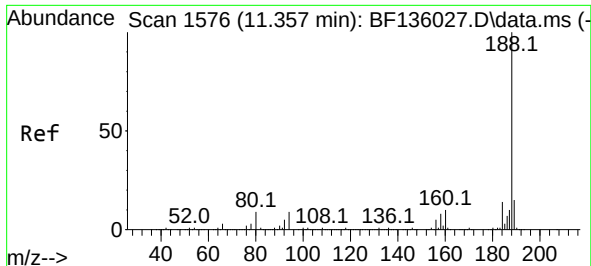
Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

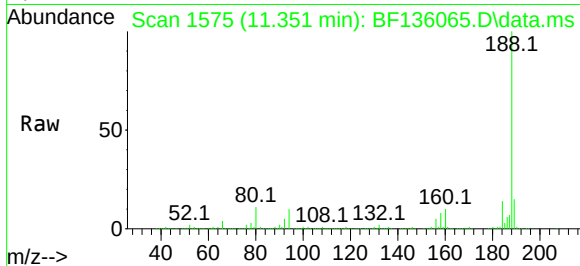
170 23.0 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

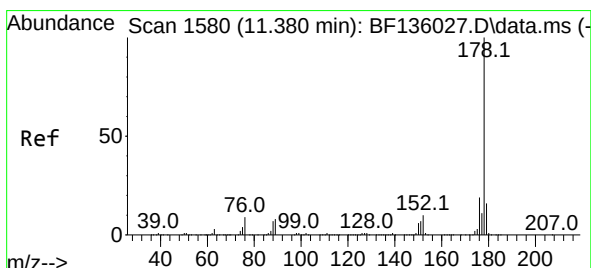
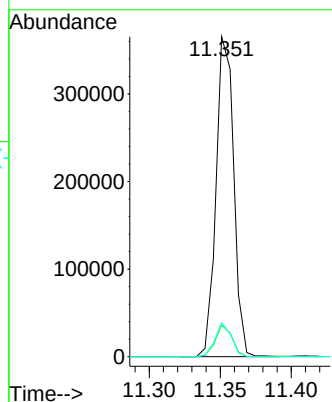
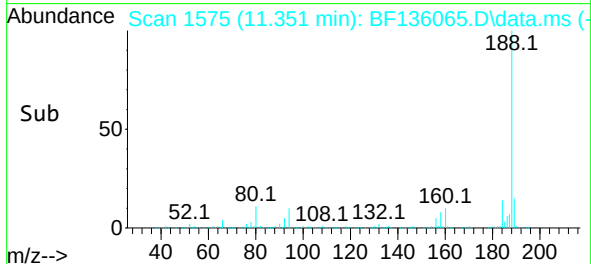
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE



Tgt Ion:188 Resp: 314970
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.6 7.4 11.0

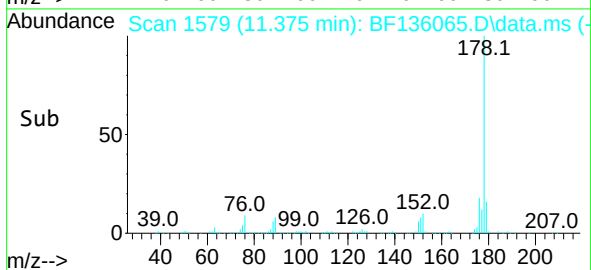
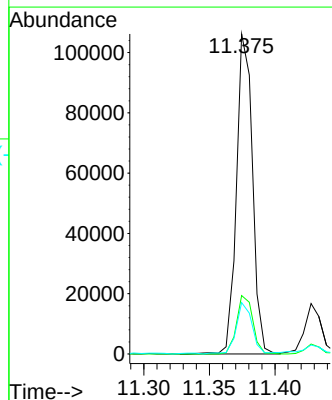
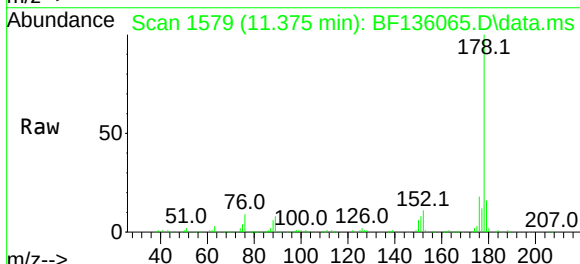
Manual Integrations
APPROVED

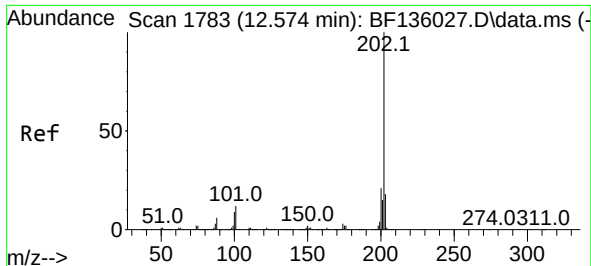
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#71
Phenanthrene
Concen: 5.692 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

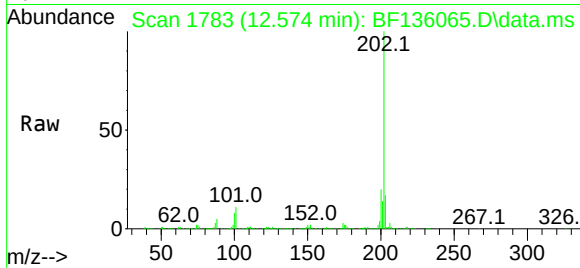
Tgt Ion:178 Resp: 90266
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 16.1 12.9 19.3





#75
Fluoranthene
Concen: 9.515 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

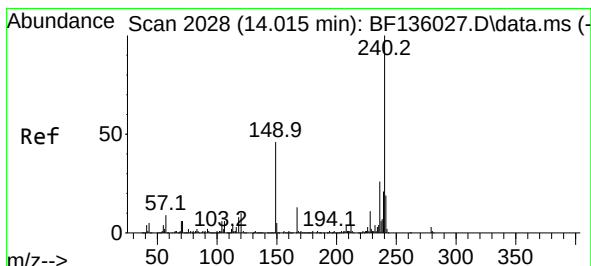
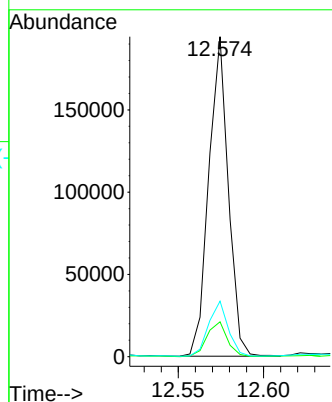
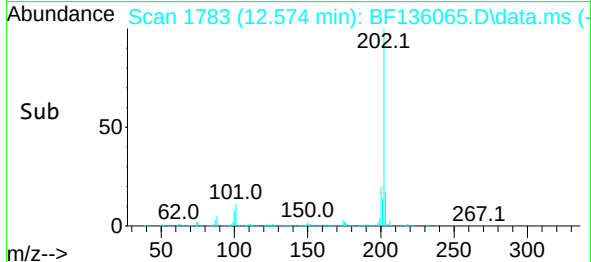
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE



Tgt Ion:202 Resp: 155023
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.8
203 17.3 0.0 37.9

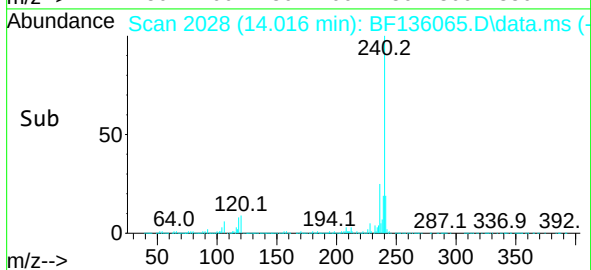
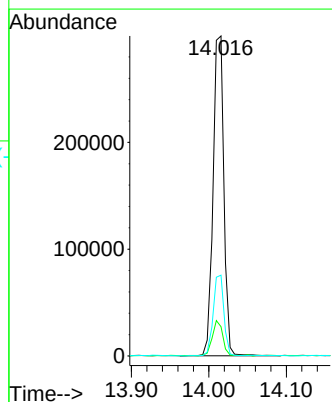
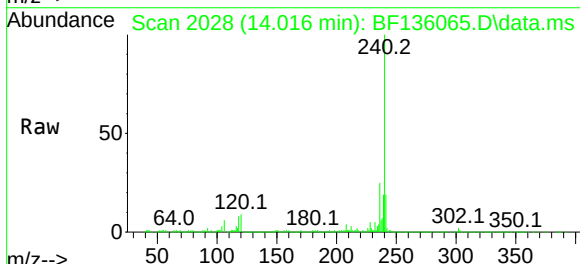
Manual Integrations
APPROVED

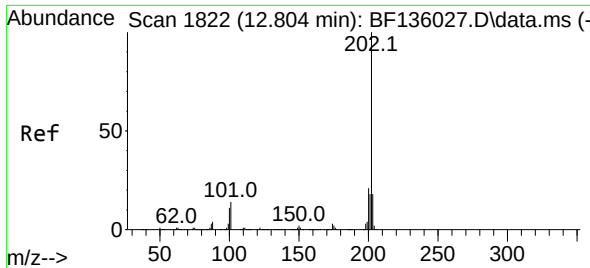
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

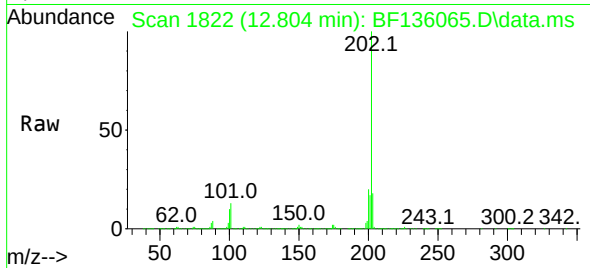
Tgt Ion:240 Resp: 290294
Ion Ratio Lower Upper
240 100
120 9.2 7.6 11.4
236 25.3 20.6 31.0





#78
 Pyrene
 Concen: 8.870 ng
 RT: 12.804 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF136065.D
 Acq: 31 Oct 2023 22:15

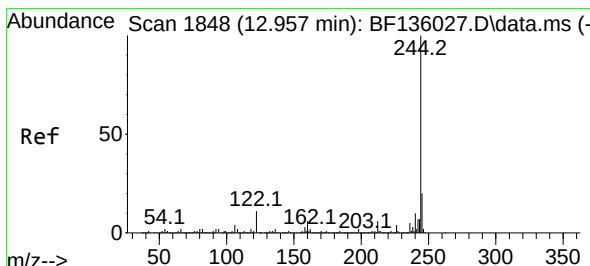
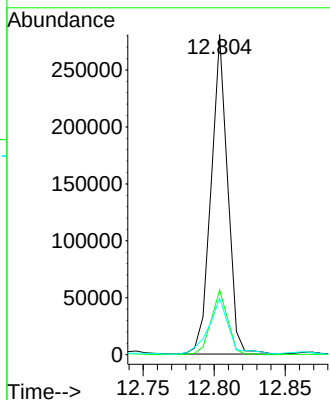
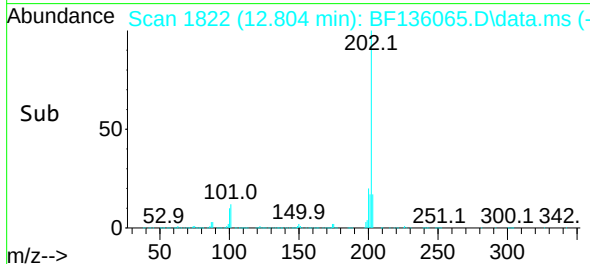
Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21RE



Tgt Ion:202 Resp: 227010
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.0 25.4
 203 17.7 14.4 21.6

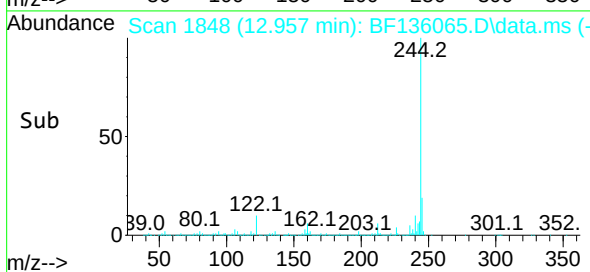
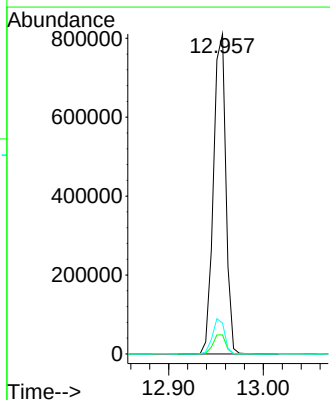
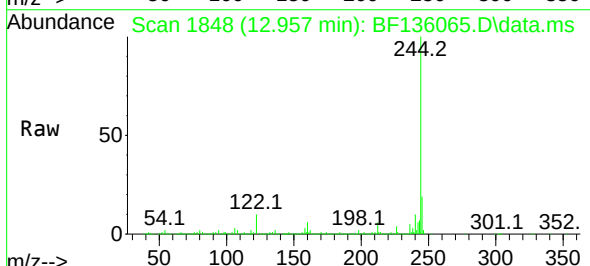
Manual Integrations
 APPROVED

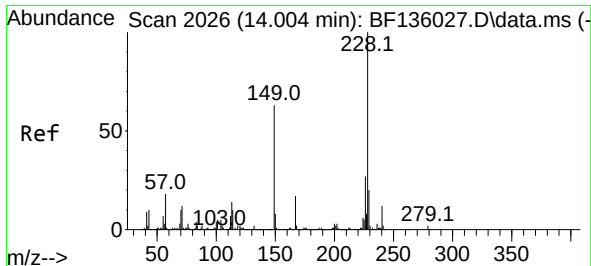
Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023



#79
 Terphenyl-d14
 Concen: 39.591 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF136065.D
 Acq: 31 Oct 2023 22:15

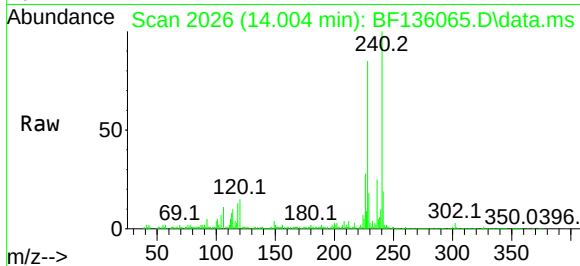
Tgt Ion:244 Resp: 739568
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 9.7 8.6 12.8





#81
Benzo(a)anthracene
Concen: 4.612 ng m
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

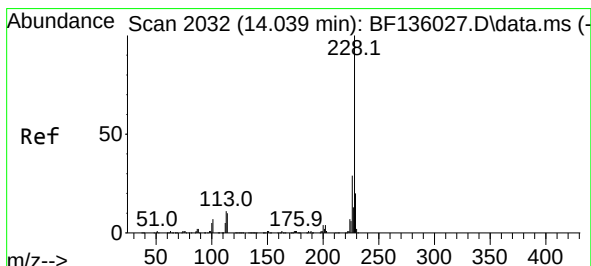
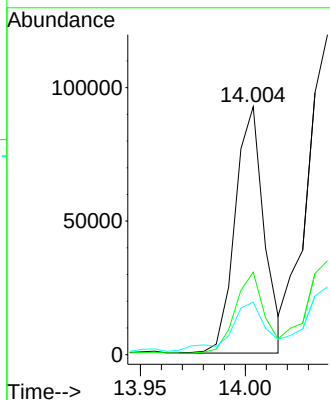
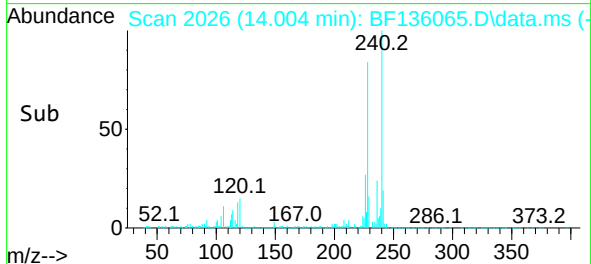
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE



Tgt Ion:228 Resp: 88628
Ion Ratio Lower Upper
228 100
226 33.3 21.5 32.3
229 21.1 15.8 23.6

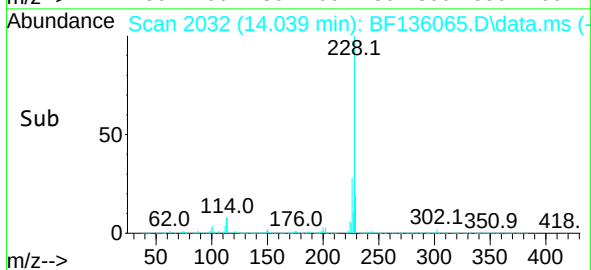
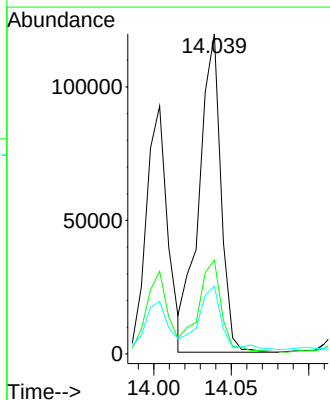
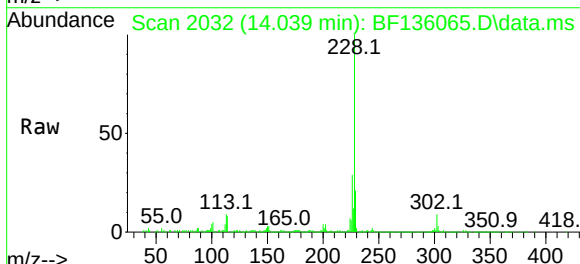
Manual Integrations
APPROVED

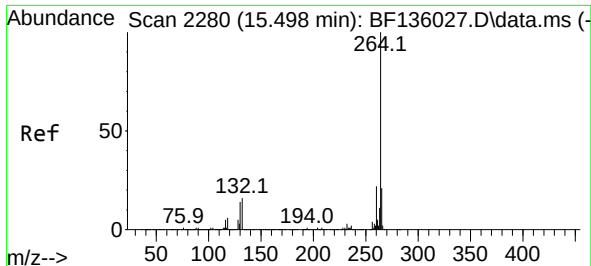
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#83
Chrysene
Concen: 6.213 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

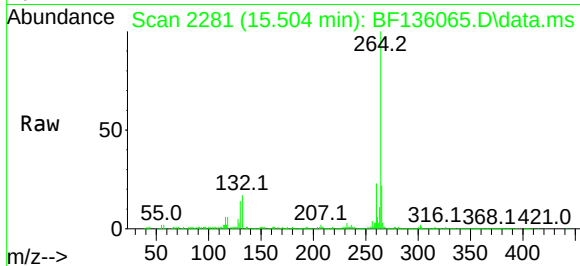
Tgt Ion:228 Resp: 117582
Ion Ratio Lower Upper
228 100
226 29.3 23.5 35.3
229 21.2 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

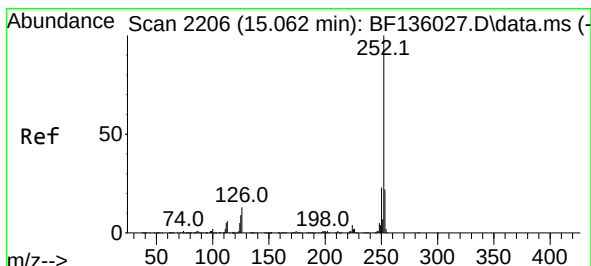
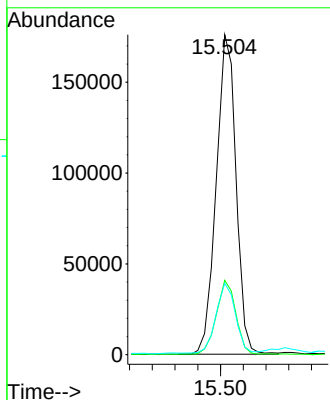
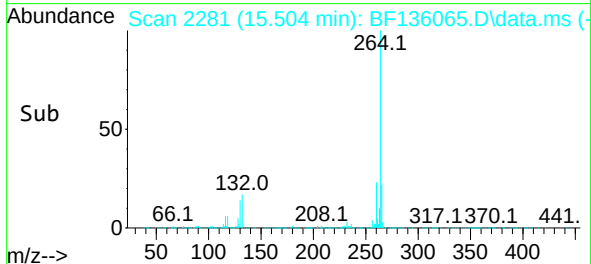
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE



Tgt Ion:264 Resp: 21308
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 22.3 16.8 25.2

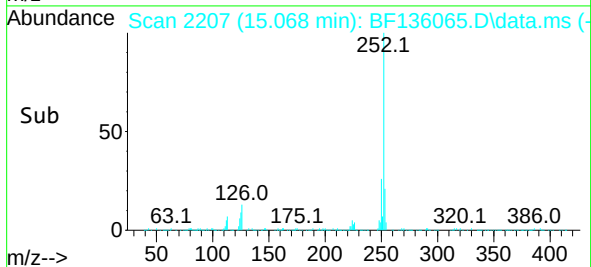
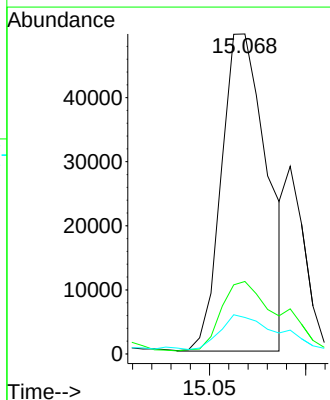
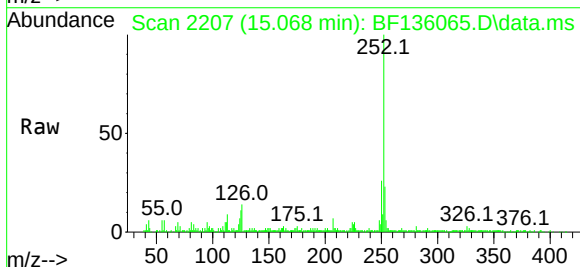
Manual Integrations
APPROVED

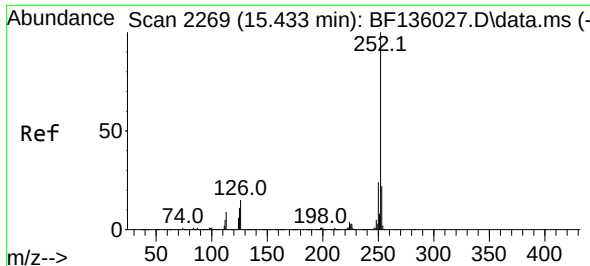
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#88
Benzo(b)fluoranthene
Concen: 6.460 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

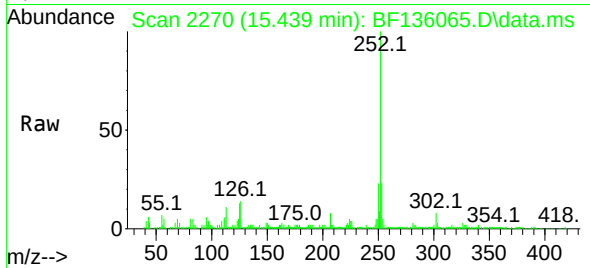
Tgt Ion:252 Resp: 81451
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.4 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 4.729 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

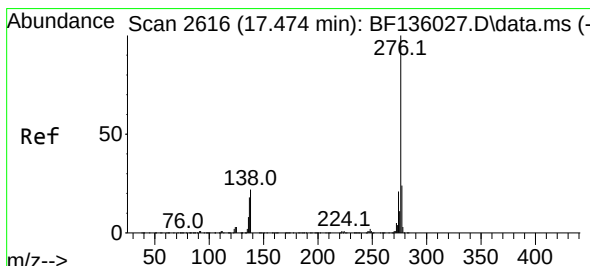
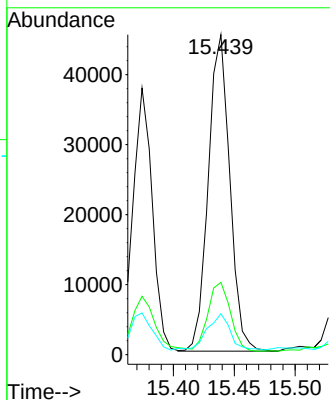
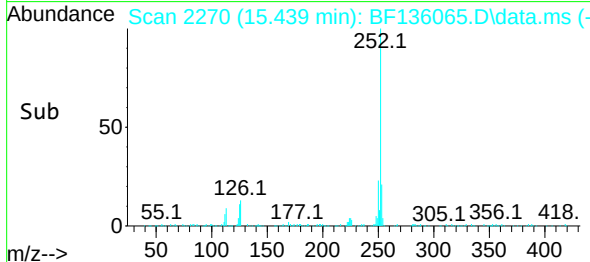
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE



Tgt Ion:252 Resp: 5540
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 12.8 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#92
Benzo(g,h,i)perylene
Concen: 4.893 ng
RT: 17.468 min Scan# 2615
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:276 Resp: 27618
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 27.9 17.4 26.2#

