

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140305.D
 Acq On : 08 Nov 2024 18:03
 Operator : RC/JU
 Sample : P4722-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1(0-6)

Quant Time: Nov 08 21:47:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	116360	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	402526	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	201087	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	343480	20.000	ng	0.00
76) Chrysene-d12	14.057	240	223839	20.000	ng	0.00
86) Perylene-d12	15.563	264	183726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	289261	41.197	ng	0.00
7) Phenol-d6	6.498	99	362607	40.150	ng	0.00
23) Nitrobenzene-d5	7.434	82	226133	27.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	77806	39.145	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	393305	31.232	ng	0.00
79) Terphenyl-d14	12.992	244	411258	30.097	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	209980	12.810	ng	98
72) Anthracene	11.480	178	52309	3.254	ng	98
75) Fluoranthene	12.622	202	377812	22.043	ng	99
78) Pyrene	12.851	202	365243	19.762	ng	98
81) Benzo(a)anthracene	14.051	228	179631	12.505	ng	97
83) Chrysene	14.086	228	128225	9.532	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	57877	5.367	ng	# 95
88) Benzo(b)fluoranthene	15.127	252	132559m	11.928	ng	
89) Benzo(k)fluoranthene	15.139	252	62336m	6.113	ng	
90) Benzo(a)pyrene	15.498	252	107049	11.683	ng	# 94
92) Benzo(g,h,i)perylene	17.533	276	57209	6.321	ng	96

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

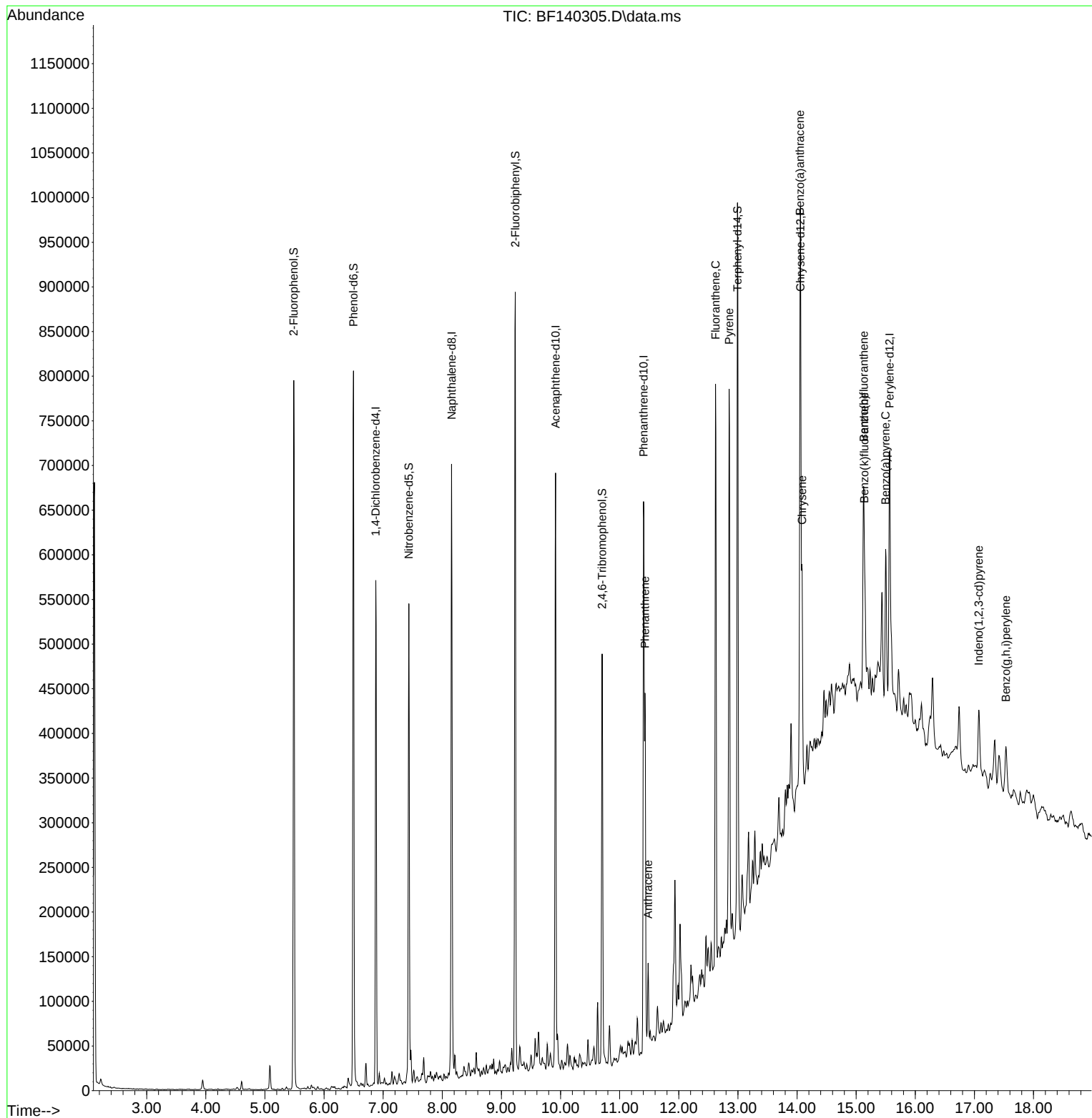
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

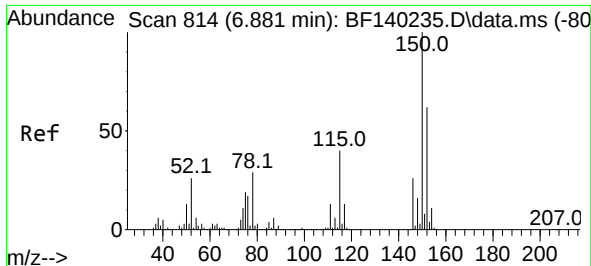
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)

Quant Time: Nov 08 21:47:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

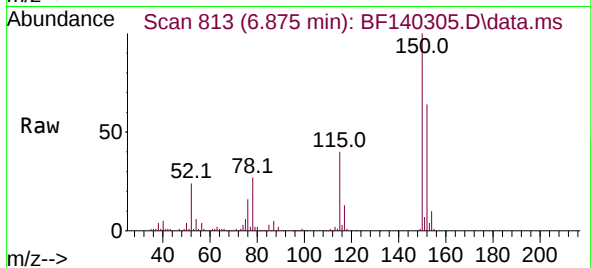
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

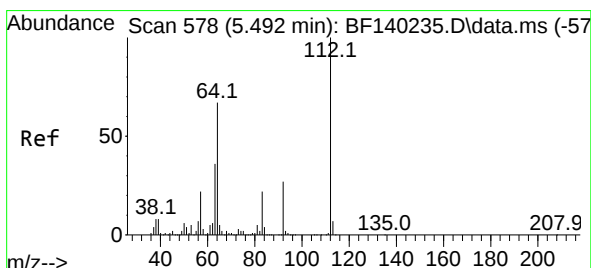
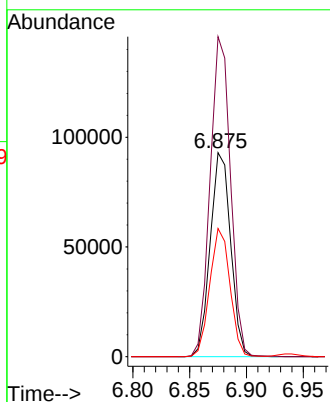
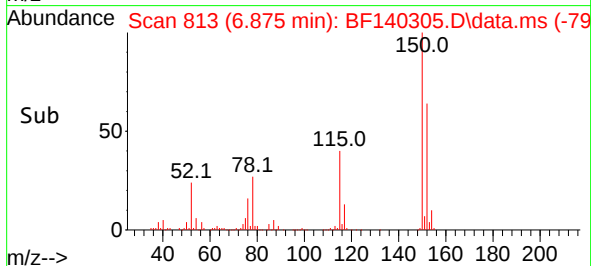
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



Tgt Ion:152 Resp: 116360
Ion Ratio Lower Upper
152 100
150 156.9 129.4 194.2
115 62.8 51.5 77.3

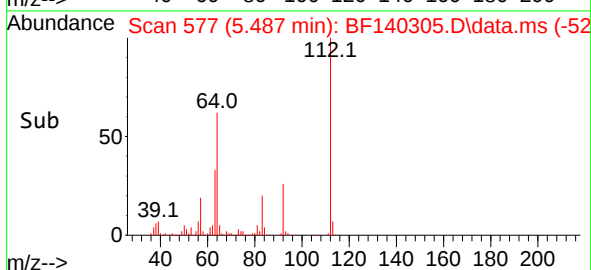
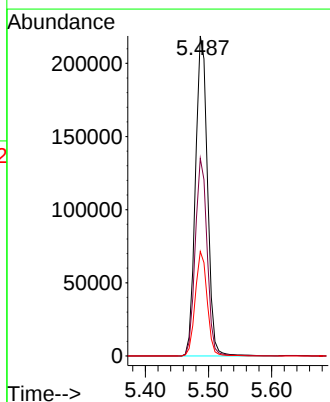
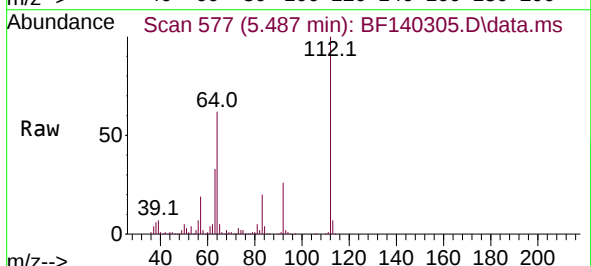
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 41.197 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

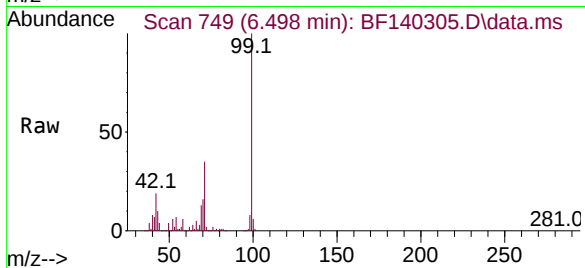
Tgt Ion:112 Resp: 289261
Ion Ratio Lower Upper
112 100
64 61.7 53.4 80.2
63 32.7 28.9 43.3





#7
Phenol-d6
Concen: 40.150 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

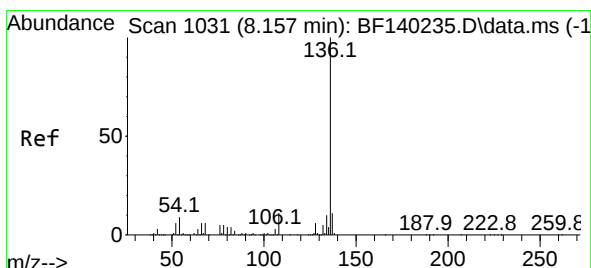
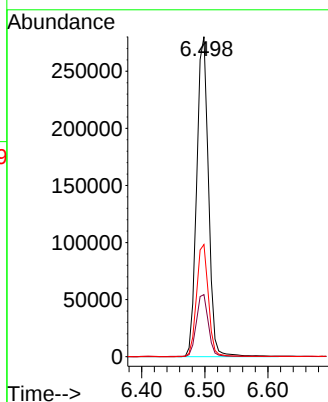
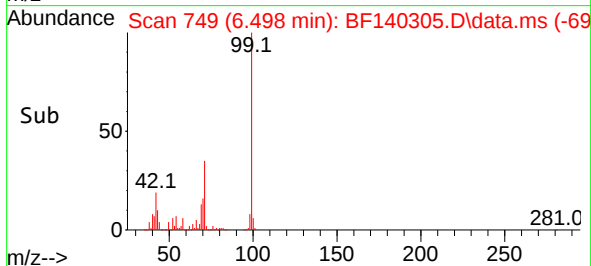
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



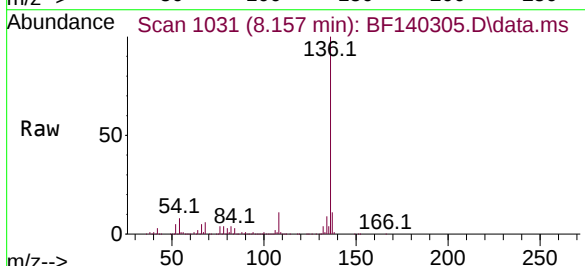
Tgt Ion: 99 Resp: 36260
Ion Ratio Lower Upper
99 100
42 19.4 18.2 27.2
71 35.0 30.9 46.3

Manual Integrations
APPROVED

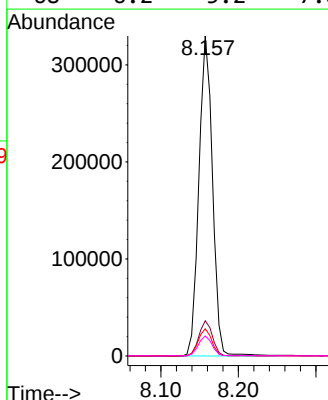
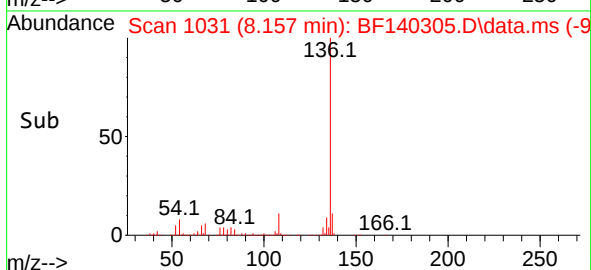
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

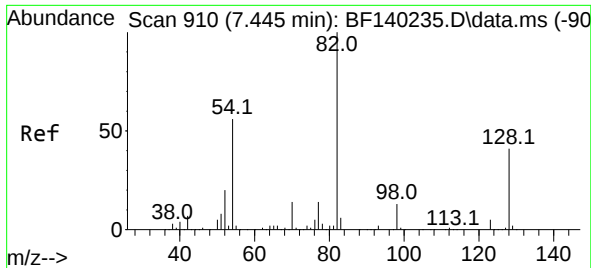


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03



Tgt Ion:136 Resp: 402526
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.5 7.7 11.5
68 6.2 5.2 7.8





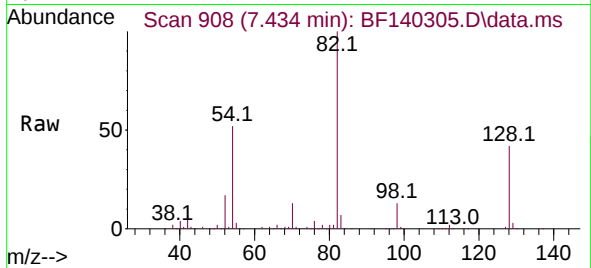
#23
Nitrobenzene-d5
Concen: 27.931 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

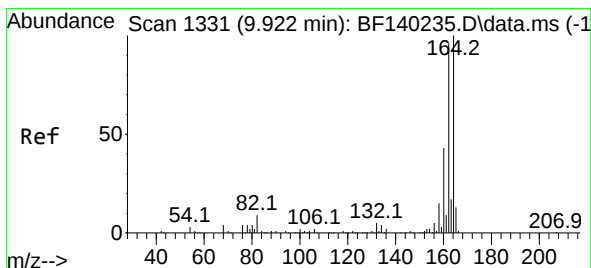
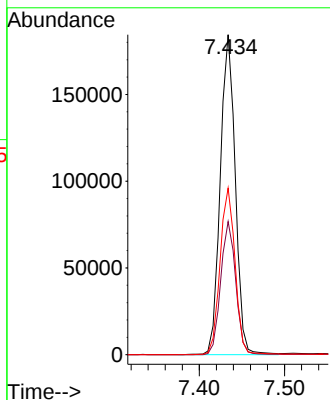
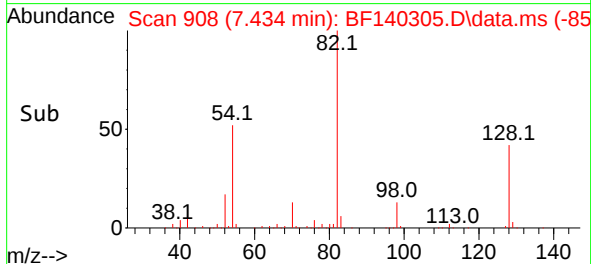


Tgt Ion: 82 Resp: 22613
Ion Ratio Lower Upper
82 100
128 41.6 32.8 49.2
54 52.0 44.3 66.5

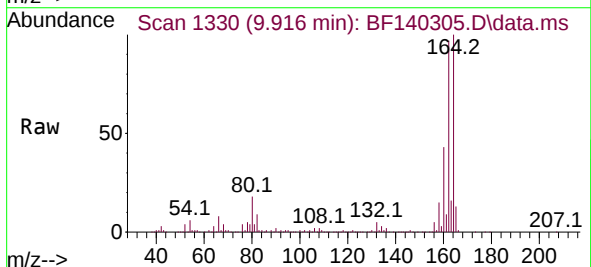
Manual Integrations

APPROVED

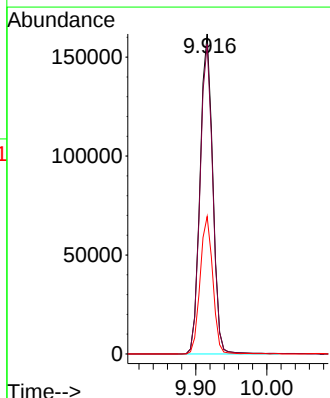
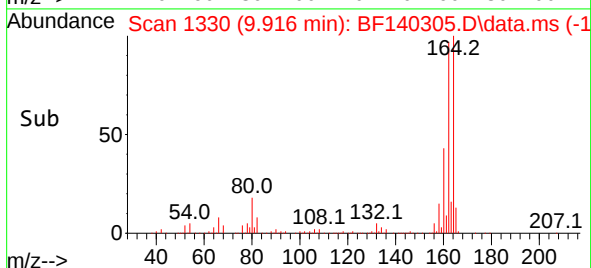
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

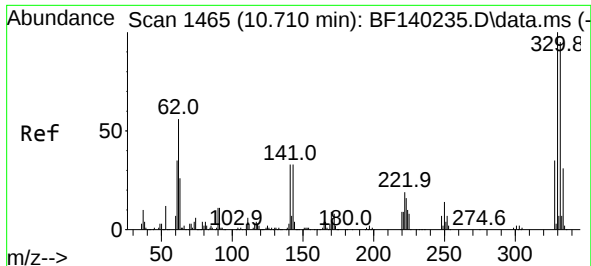


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03



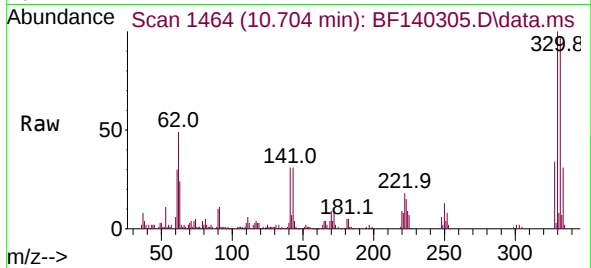
Tgt Ion:164 Resp: 201087
Ion Ratio Lower Upper
164 100
162 96.8 77.0 115.4
160 43.0 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 39.145 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

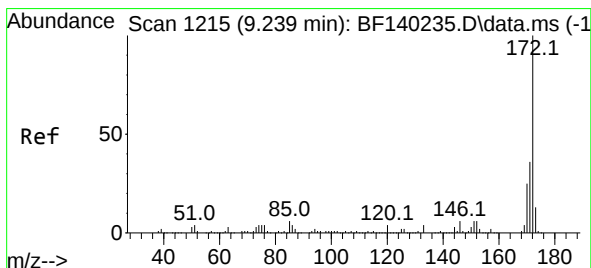
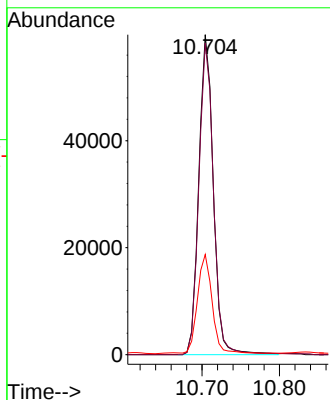
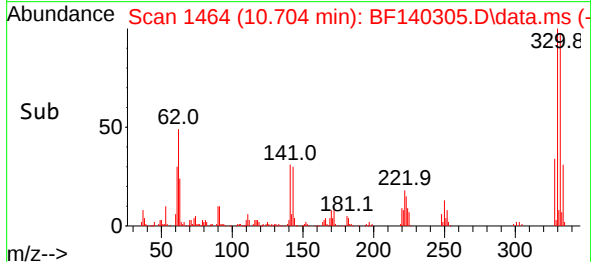
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



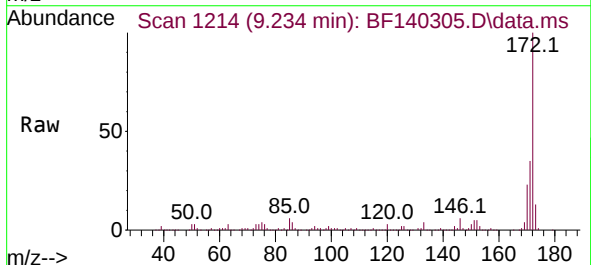
Tgt Ion: 330 Resp: 77800
Ion Ratio Lower Upper
330 100
332 98.3 76.4 114.6
141 31.7 27.0 40.4

Manual Integrations
APPROVED

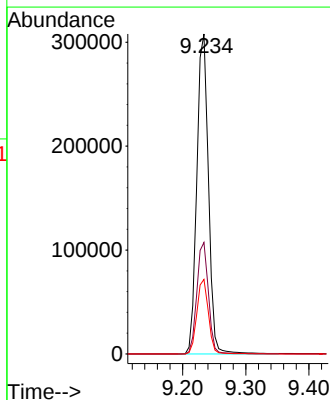
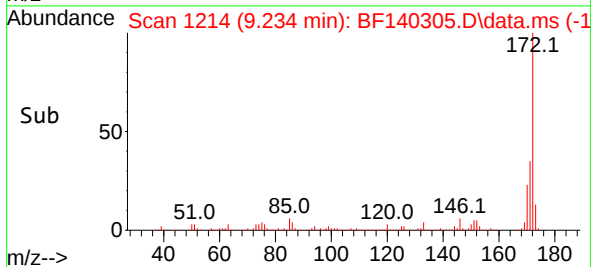
Reviewed By : Yogesh Patel 11/10/2024
Supervised By : mohammad ahmed 11/11/2024

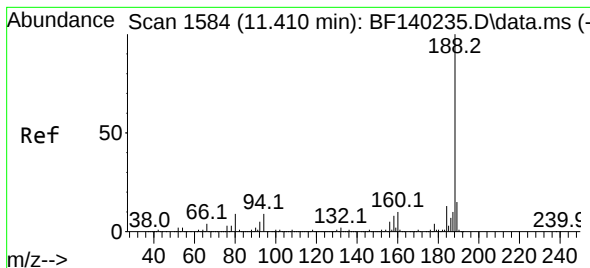


#45
2-Fluorobiphenyl
Concen: 31.232 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03



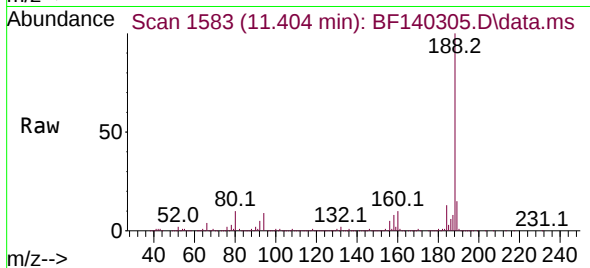
Tgt Ion: 172 Resp: 393305
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

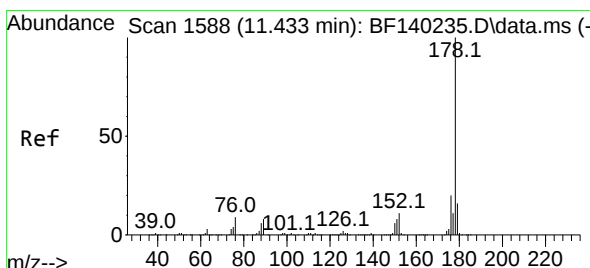
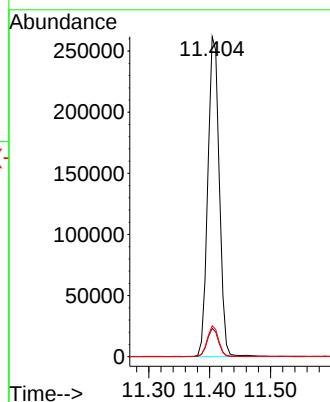
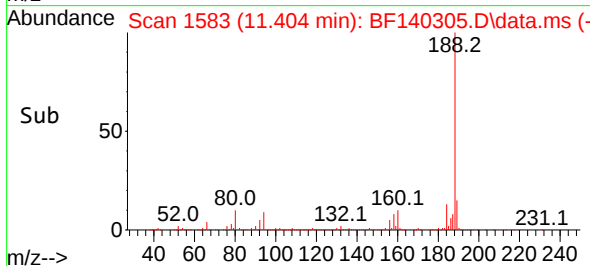
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



Tgt Ion:188 Resp: 343480
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.7 7.5 11.3

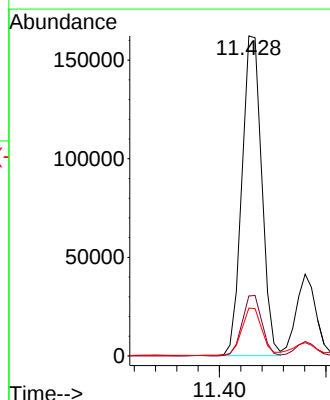
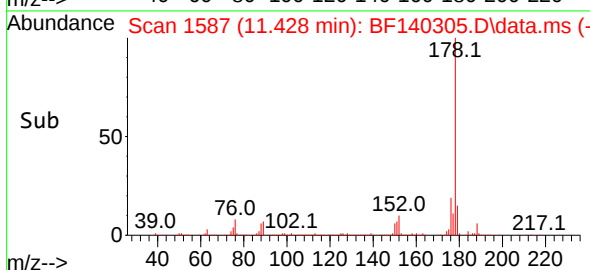
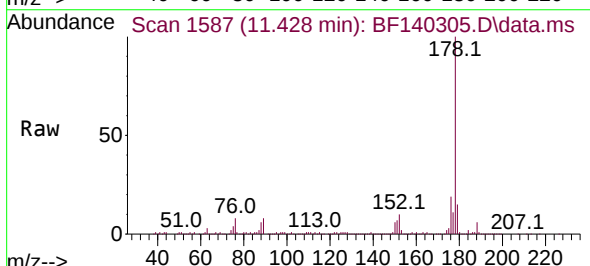
Manual Integrations
APPROVED

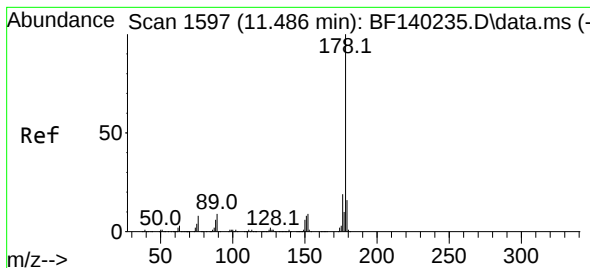
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 12.810 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:178 Resp: 209980
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.9 12.6 18.8





#72

Anthracene

Concen: 3.254 ng

RT: 11.480 min Scan# 1597

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

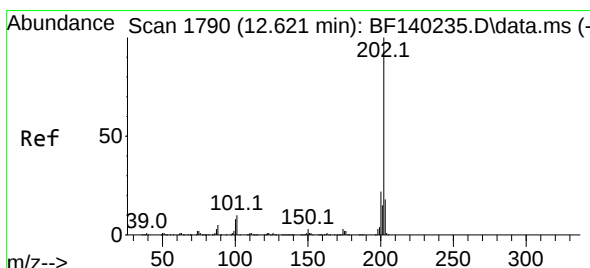
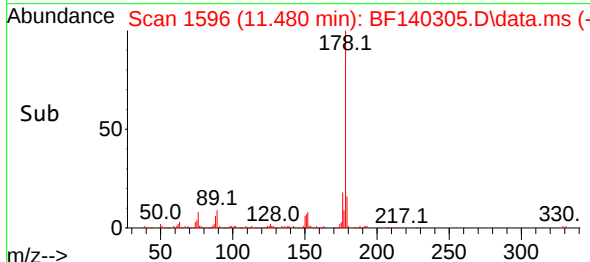
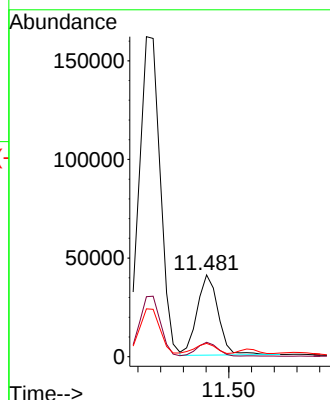
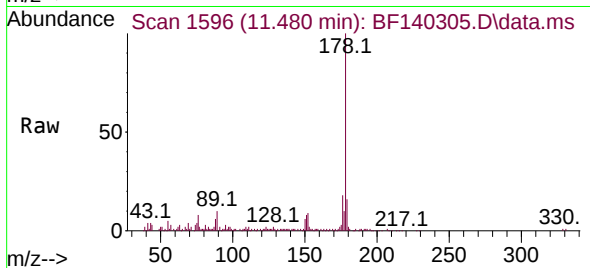
Tgt Ion:178	Resp:	52309
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.4 23.0
179	16.2	12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#75

Fluoranthene

Concen: 22.043 ng

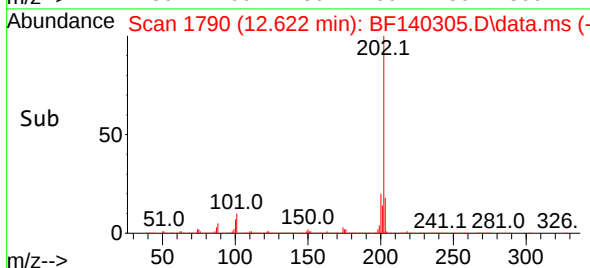
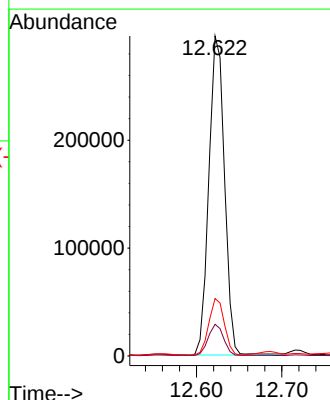
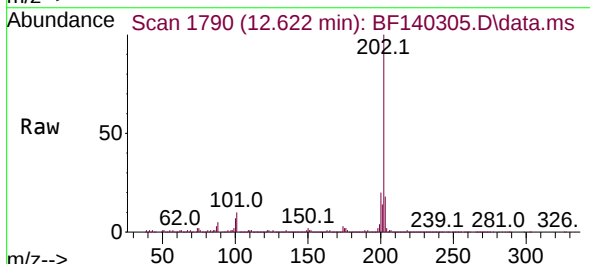
RT: 12.622 min Scan# 1790

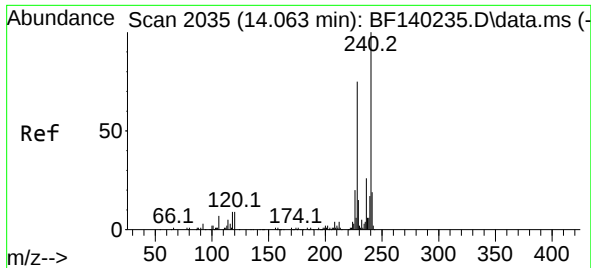
Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Tgt Ion:202	Resp:	377812
Ion Ratio	Lower	Upper
202	100	
101	9.9	0.0 30.4
203	17.9	0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

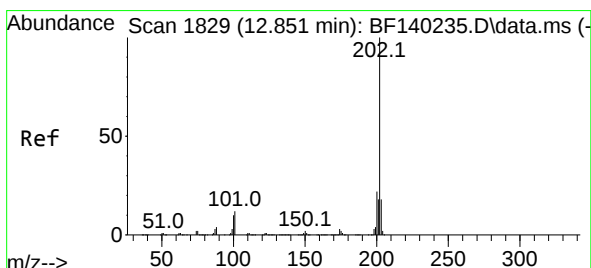
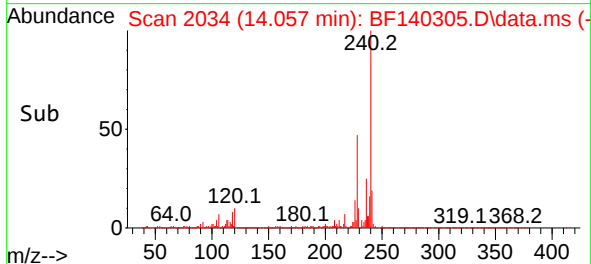
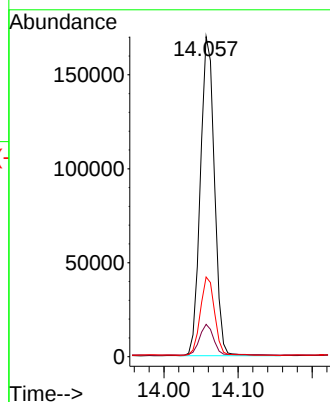
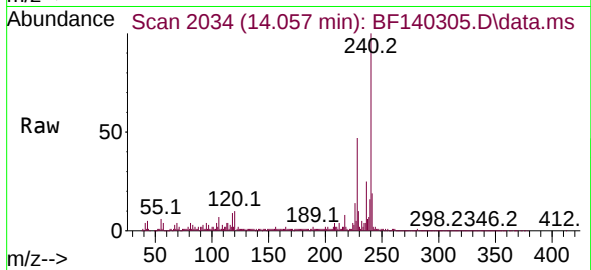
WC-1(0-6)

Tgt Ion:240 Resp: 223839
Ion Ratio Lower Upper
240 100
120 10.1 7.5 11.3
236 24.9 20.9 31.3

Manual Integrations

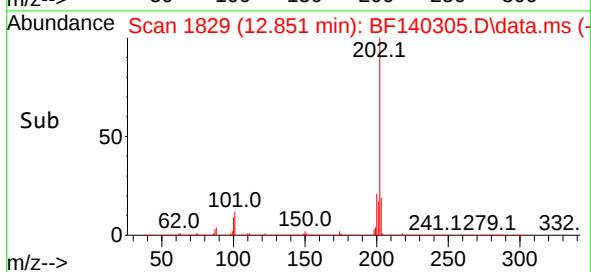
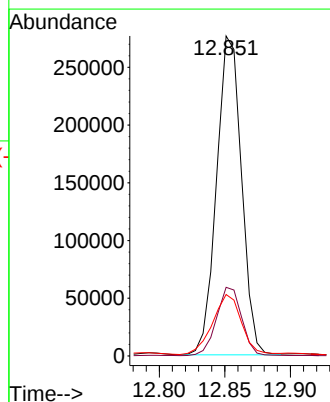
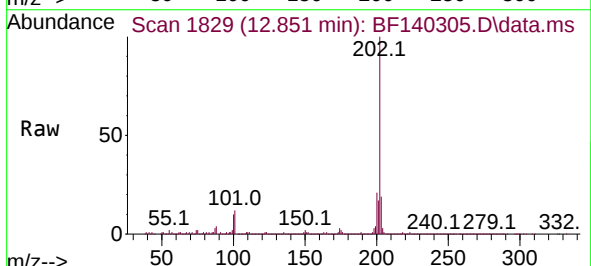
APPROVED

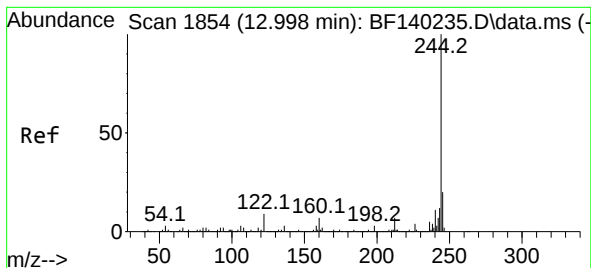
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#78
Pyrene
Concen: 19.762 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:202 Resp: 365243
Ion Ratio Lower Upper
202 100
200 21.5 17.5 26.3
203 19.2 14.4 21.6





#79

Terphenyl-d14

Concen: 30.097 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

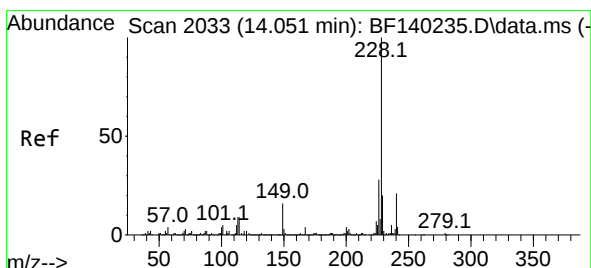
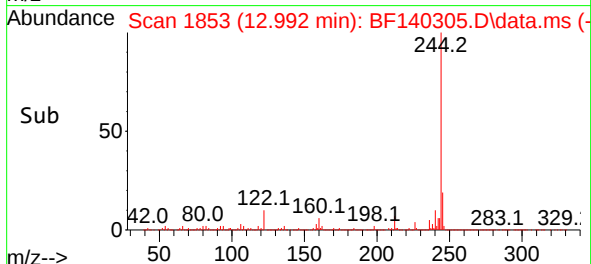
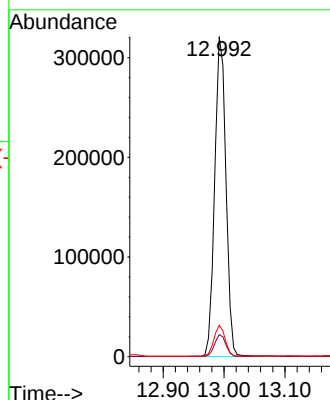
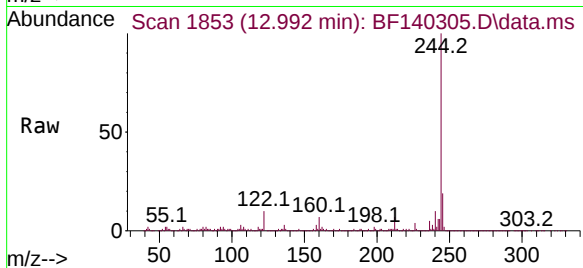
Tgt Ion:244 Resp: 411258
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.8 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#81

Benzo(a)anthracene

Concen: 12.505 ng

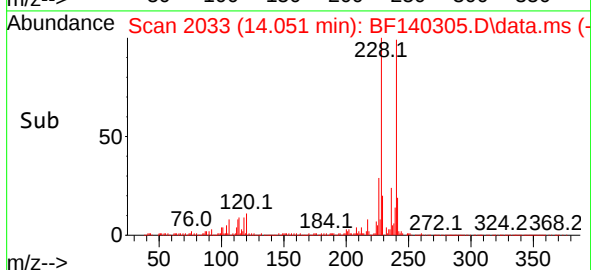
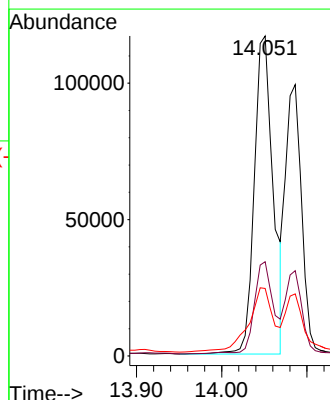
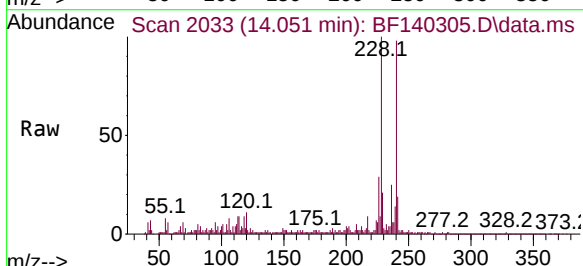
RT: 14.051 min Scan# 2033

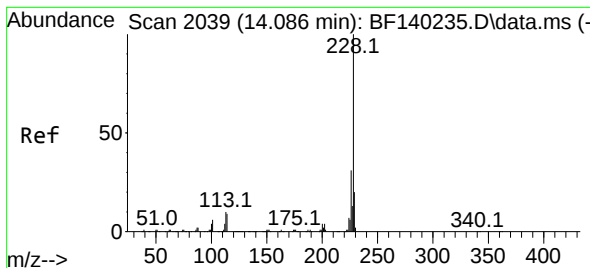
Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Tgt Ion:228 Resp: 179631
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.3 33.5
 229 21.1 16.1 24.1





#83

Chrysene

Concen: 9.532 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

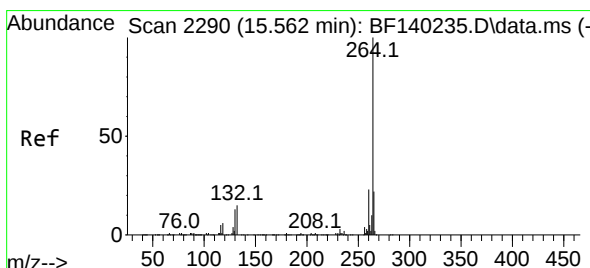
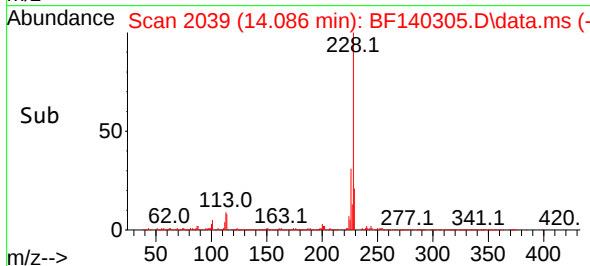
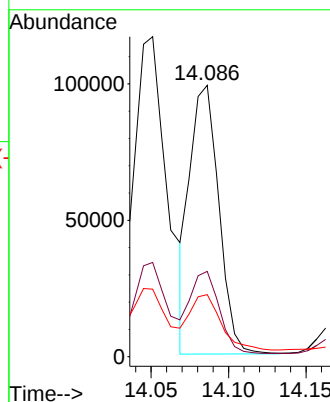
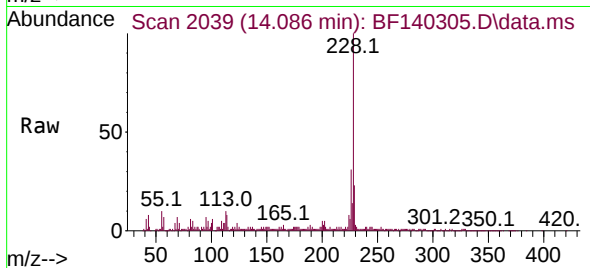
Tgt Ion:	228	Resp:	128225
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.6	36.8
229	22.9	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#86

Perylene-d12

Concen: 20.000 ng

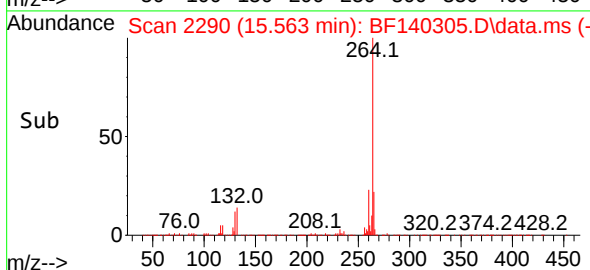
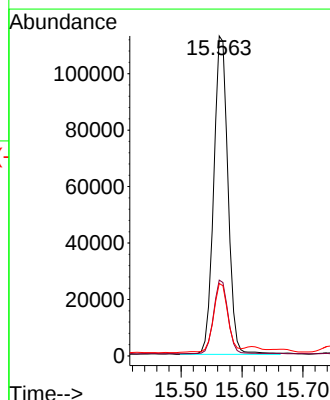
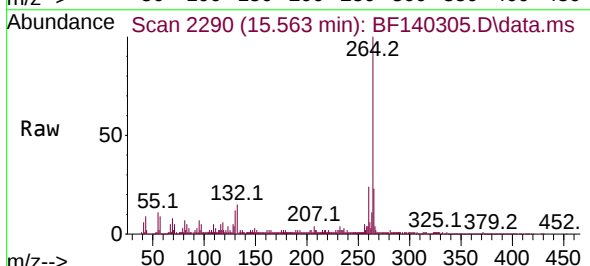
RT: 15.563 min Scan# 2290

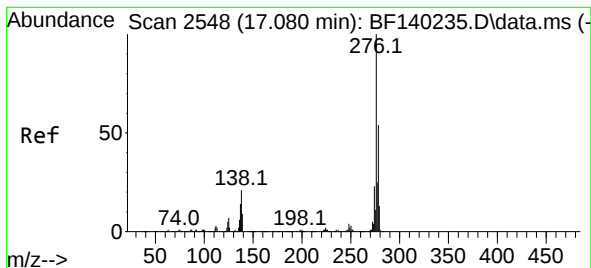
Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Tgt Ion:	264	Resp:	183726
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.8	28.2
265	22.7	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.367 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

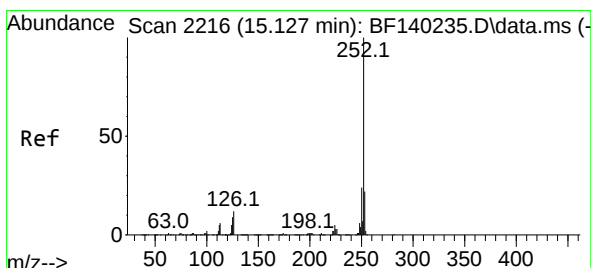
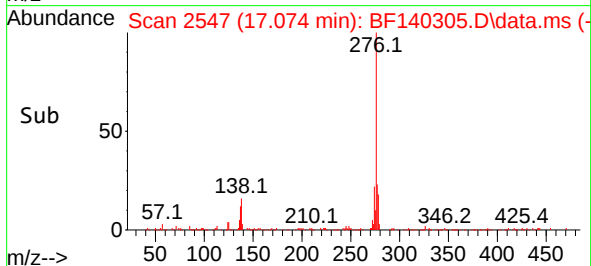
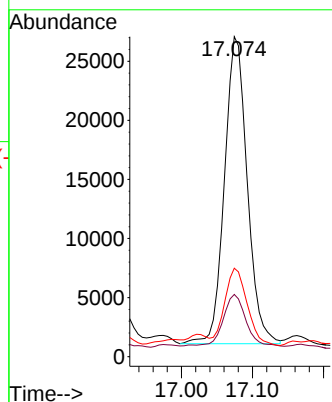
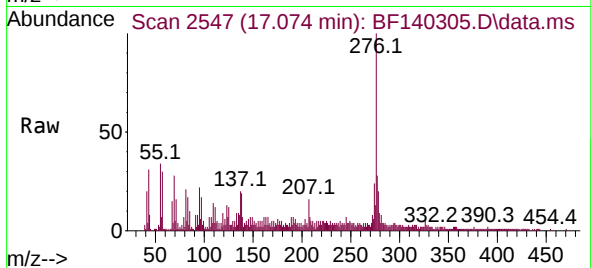
Tgt Ion:	276	Resp:	5787
Ion Ratio	Lower	Upper	
276	100		
138	16.8	17.6	26.4
277	24.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 11.928 ng m

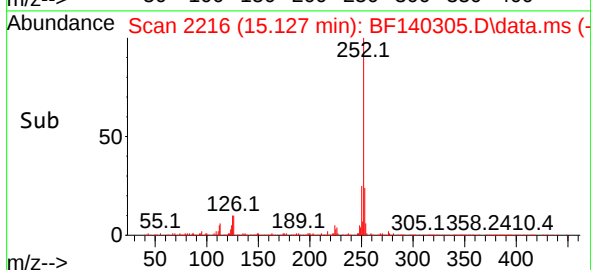
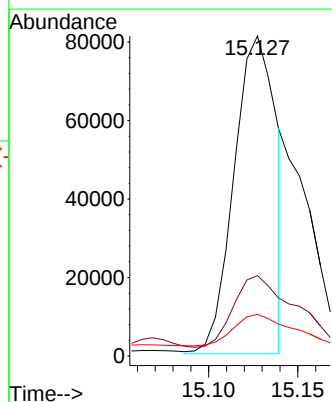
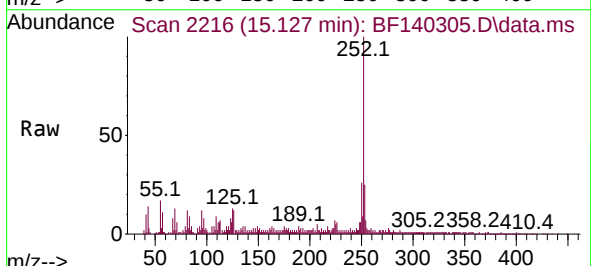
RT: 15.127 min Scan# 2216

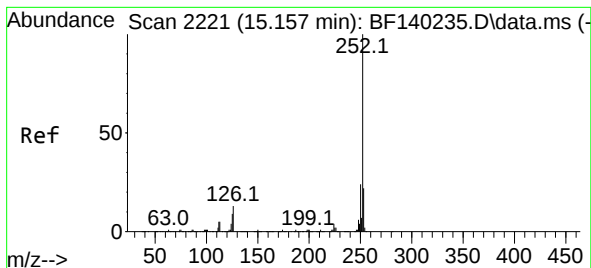
Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Tgt Ion:	252	Resp:	132559
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	13.0	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 6.113 ng m

RT: 15.139 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

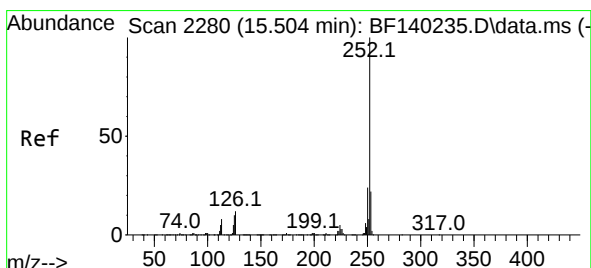
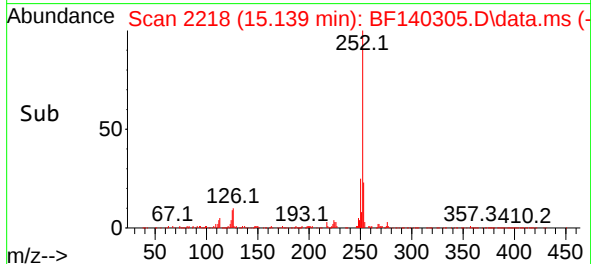
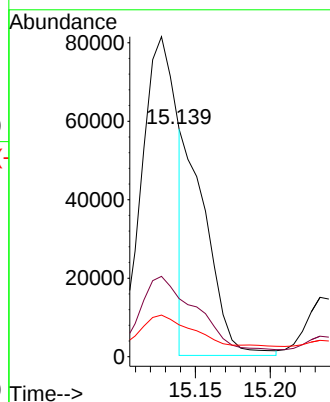
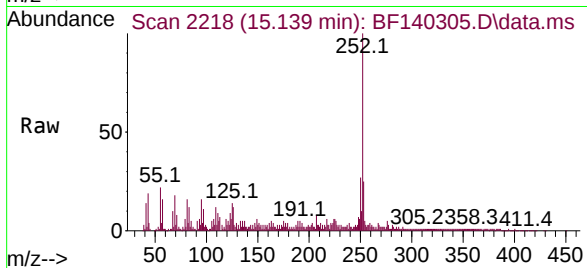
Tgt Ion:252 Resp: 62330
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.8
125 14.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 11.683 ng

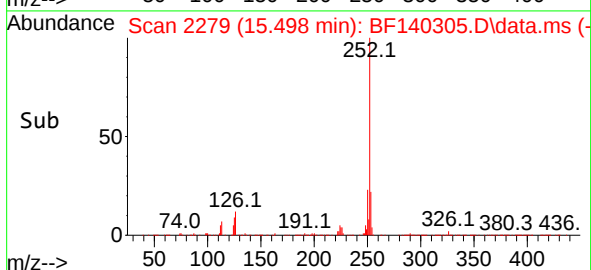
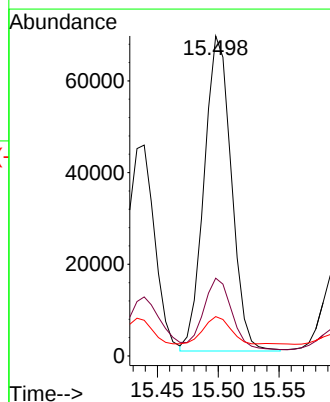
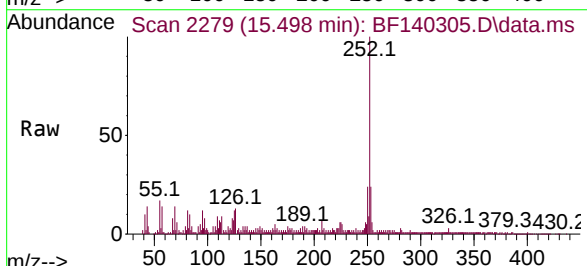
RT: 15.498 min Scan# 2279

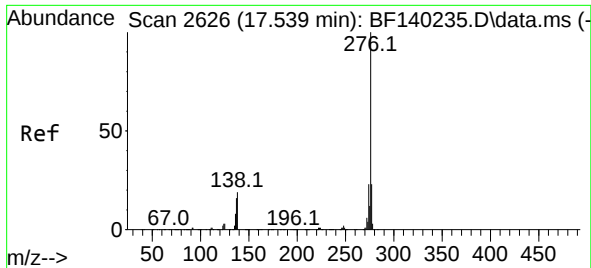
Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

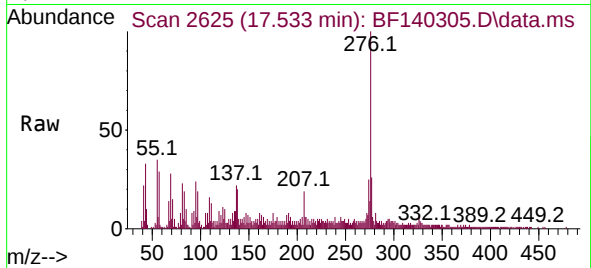
Tgt Ion:252 Resp: 107049
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 12.3 7.6 11.4





#92
Benzo(g,h,i)perylene
Concen: 6.321 ng
RT: 17.533 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



Tgt Ion:276 Resp: 57209
Ion Ratio Lower Upper
276 100
277 26.3 18.8 28.2
138 20.0 15.3 22.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

