

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133590.D
 Acq On : 06 Jun 2023 14:22
 Operator : CG\JU
 Sample : 03006-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-3-060123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 06 14:54:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	127397	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	453571	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	190106	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	305052	20.000	ng	0.00
76) Chrysene-d12	14.010	240	173899	20.000	ng	0.00
86) Perylene-d12	15.474	264	136371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	556790	72.920	ng	0.00
7) Phenol-d6	6.457	99	676301	71.951	ng	0.00
23) Nitrobenzene-d5	7.398	82	439316	64.670	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	141645	74.746	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	745271	60.507	ng	0.00
79) Terphenyl-d14	12.951	244	589612	60.283	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	129390	8.374	ng	99
72) Anthracene	11.433	178	39329	2.473	ng	94
75) Fluoranthene	12.580	202	392319	22.988	ng	97
78) Pyrene	12.810	202	377594	25.516	ng	99
81) Benzo(a)anthracene	13.998	228	152642	13.176	ng	97
83) Chrysene	14.033	228	148292	12.680	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	90000	10.361	ng	92
88) Benzo(b)fluoranthene	15.045	252	178433m	20.094	ng	
89) Benzo(k)fluoranthene	15.074	252	66589m	7.690	ng	
90) Benzo(a)pyrene	15.410	252	131151	16.231	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	21049	2.989	ng	# 75
92) Benzo(g,h,i)perylene	17.374	276	88733	12.495	ng	99

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

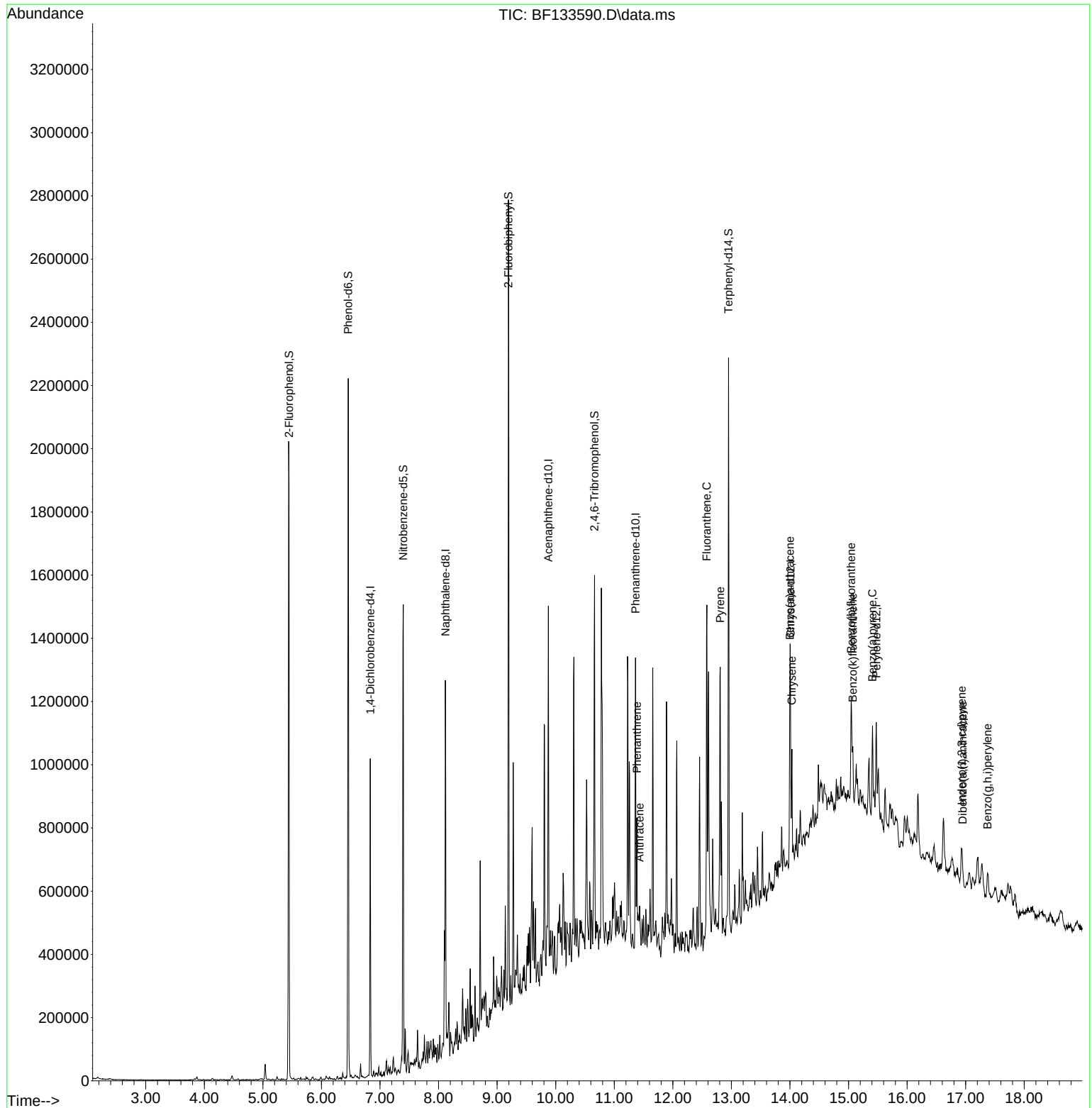
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133590.D
Acq On : 06 Jun 2023 14:22
Operator : CG\JU
Sample : 03006-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

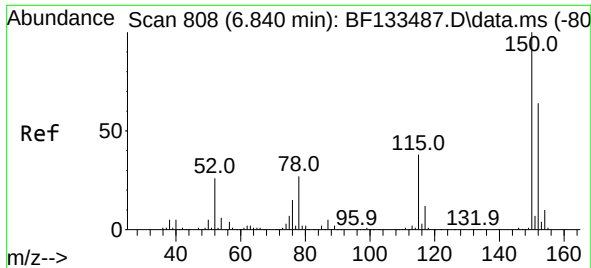
Instrument :
BNA_F
ClientSampleId :
EO-3-060123

Quant Time: Jun 06 14:54:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023





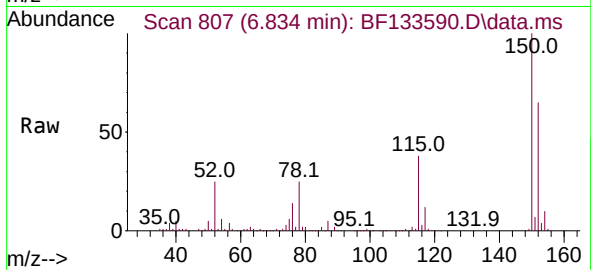
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123



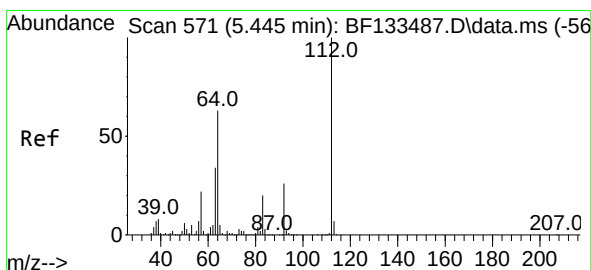
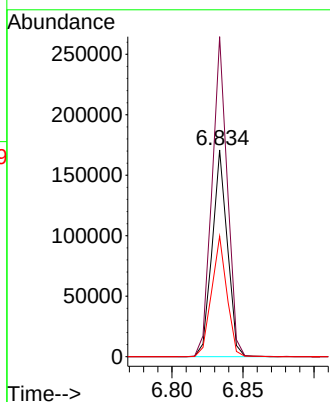
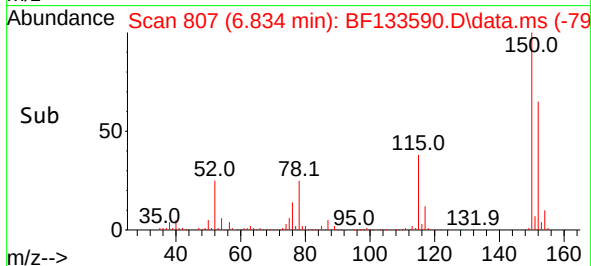
Tgt Ion:152 Resp: 127397
Ion Ratio Lower Upper
152 100
150 154.8 124.9 187.3
115 58.3 48.1 72.1

Manual Integrations

APPROVED

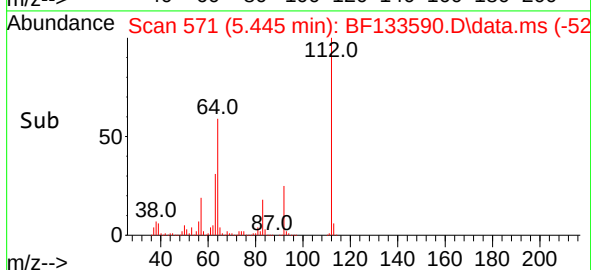
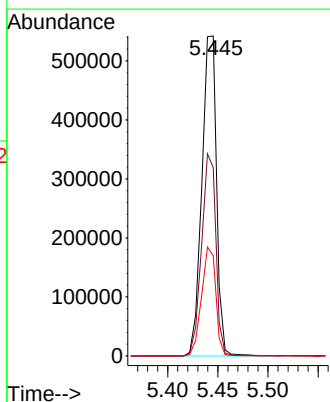
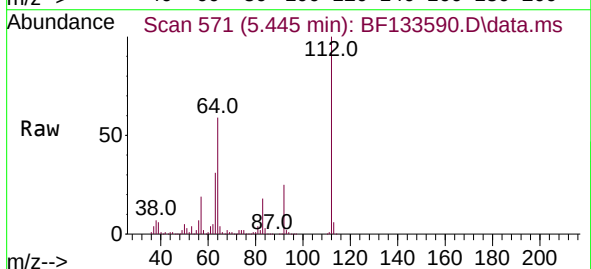
Reviewed By :Yogesh Patel 06/07/2023

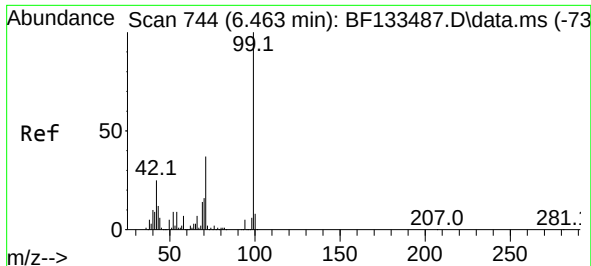
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 72.920 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:112 Resp: 556790
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 31.3 27.5 41.3





#7

Phenol-d6

Concen: 71.951 ng

RT: 6.457 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF133590.D

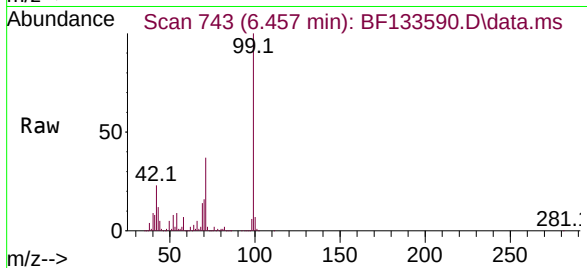
Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123



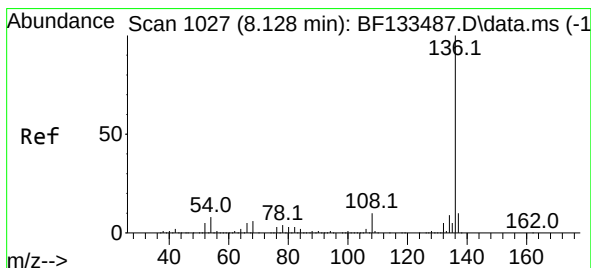
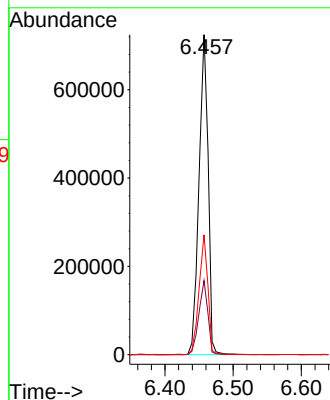
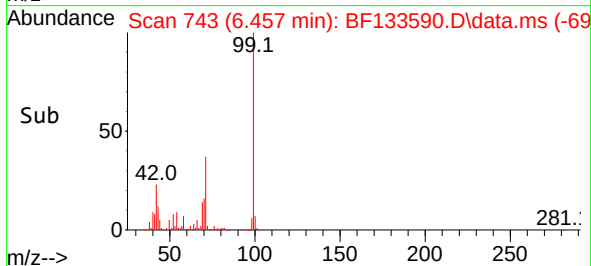
Tgt Ion:	99	Resp:	67630
Ion	Ratio	Lower	Upper
99	100		
42	23.2	19.7	29.5
71	37.5	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#21

Naphthalene-d8

Concen: 20.000 ng

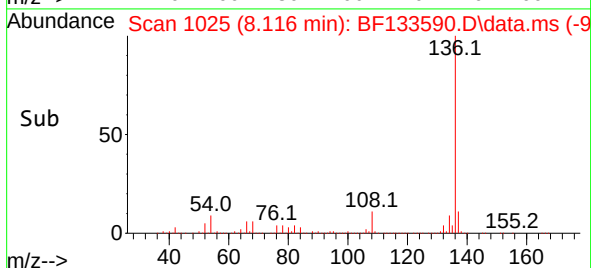
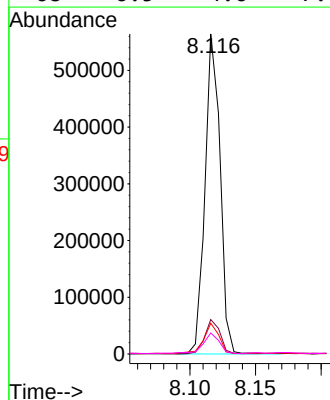
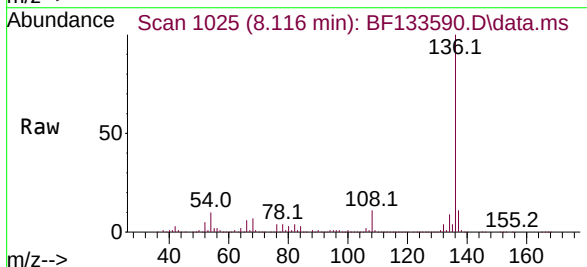
RT: 8.116 min Scan# 1025

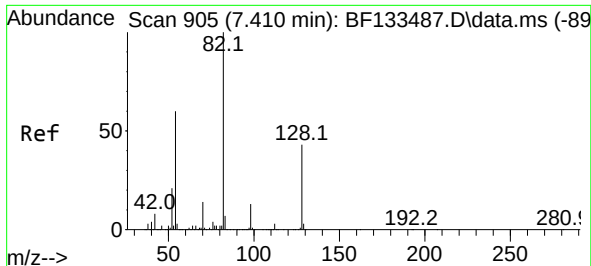
Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:	136	Resp:	453571
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	9.6	6.6	10.0
68	6.5	4.6	7.0





#23

Nitrobenzene-d5

Concen: 64.670 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133590.D

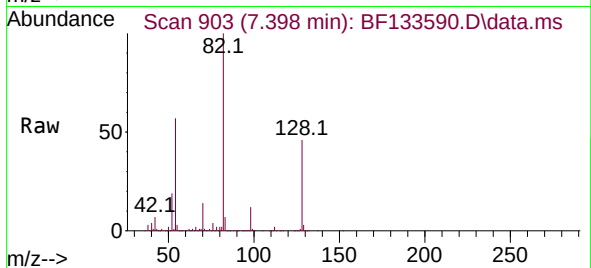
Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123



Tgt Ion: 82 Resp: 439310

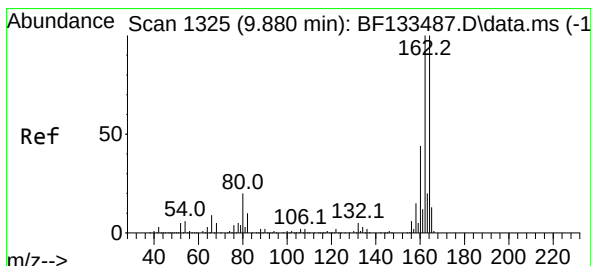
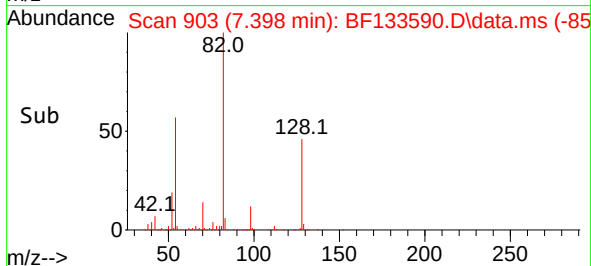
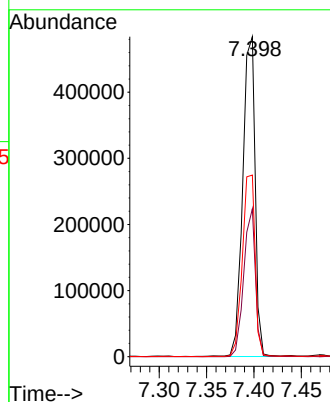
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.2	51.4
54	56.7	48.2	72.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

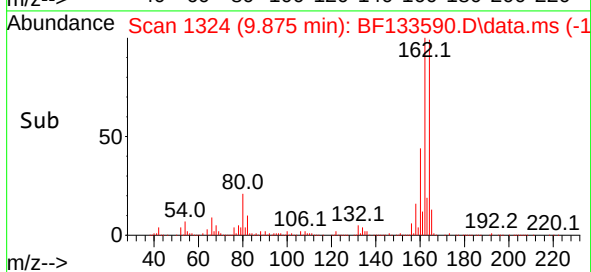
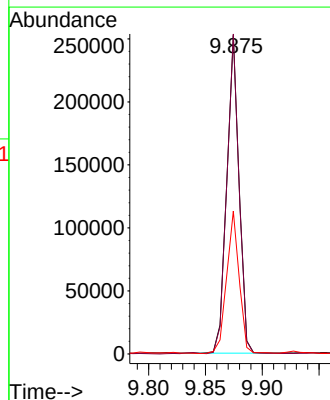
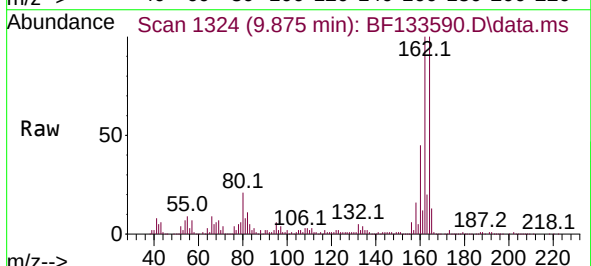
Delta R.T. 0.000 min

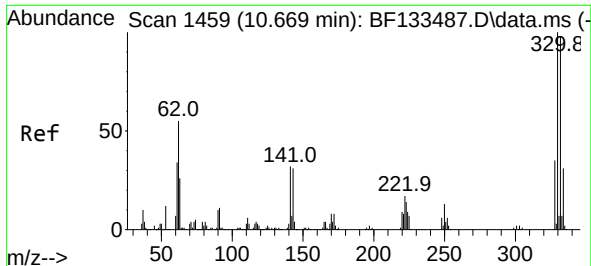
Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:164 Resp: 190106

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.7	119.5
160	44.9	35.4	53.0





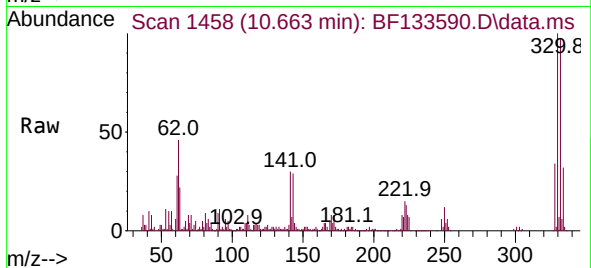
#42
2,4,6-Tribromophenol
Concen: 74.746 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123



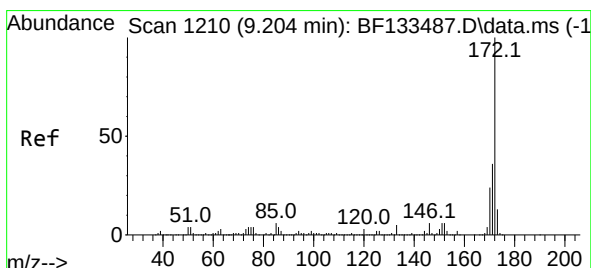
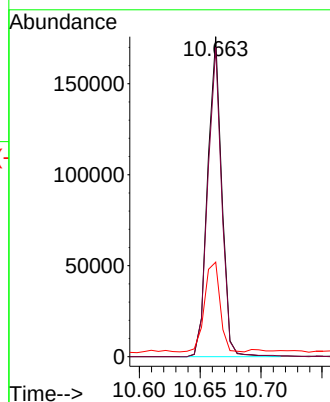
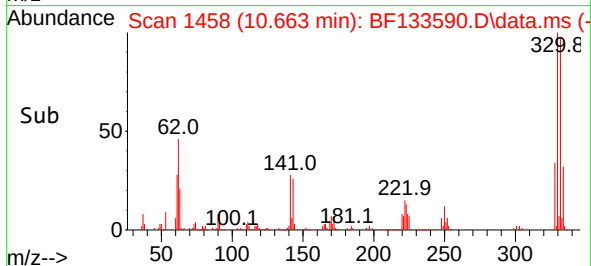
Tgt Ion:330 Resp: 141645
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.6
141 30.9 26.6 40.0

Manual Integrations

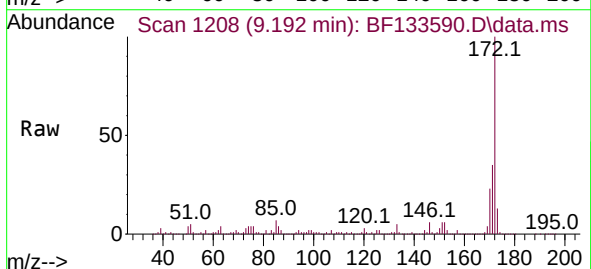
APPROVED

Reviewed By :Yogesh Patel 06/07/2023

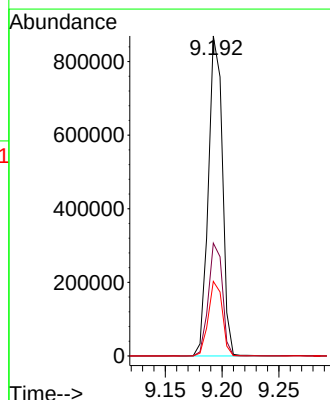
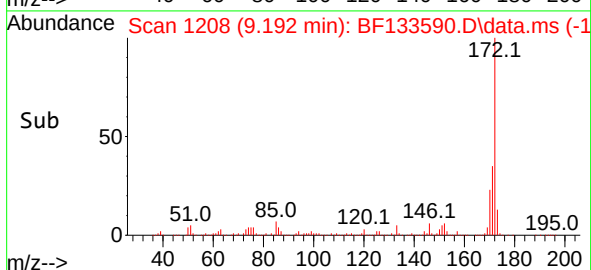
Supervised By :mohammad ahmed 06/08/2023

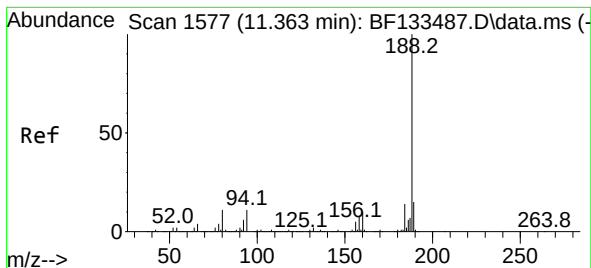


#45
2-Fluorobiphenyl
Concen: 60.507 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22



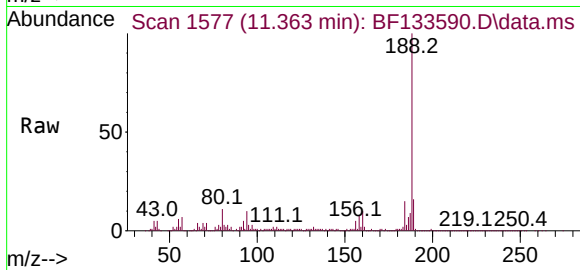
Tgt Ion:172 Resp: 745271
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.3 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

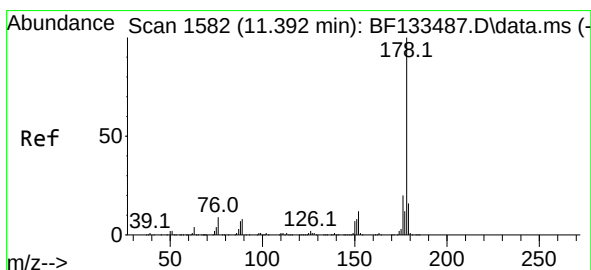
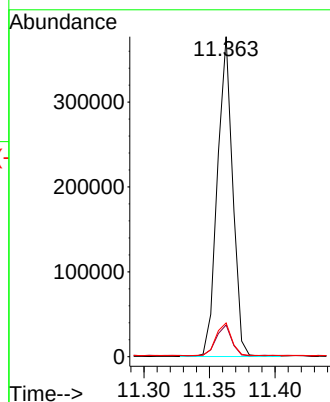
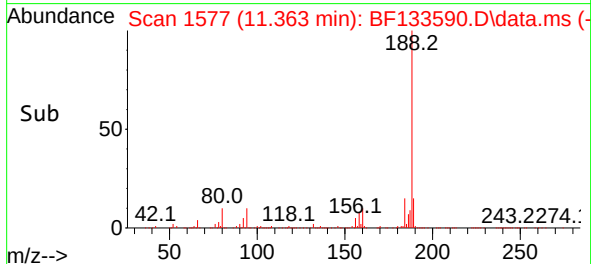
Instrument :
BNA_F
ClientSampleId :
EO-3-060123



Tgt Ion:188 Resp: 305052
Ion Ratio Lower Upper
188 100
94 9.9 8.6 12.8
80 10.5 9.2 13.8

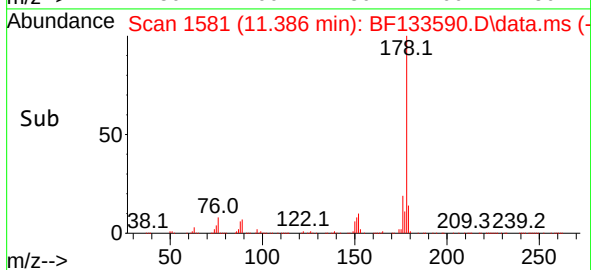
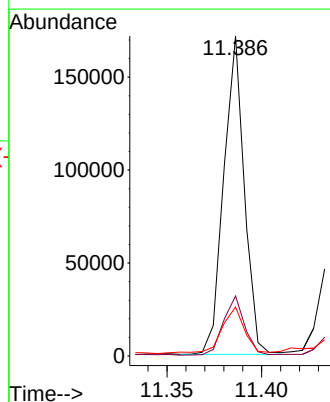
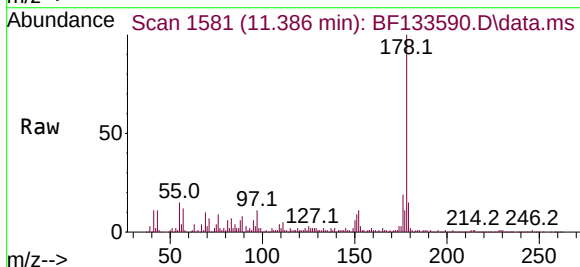
Manual Integrations
APPROVED

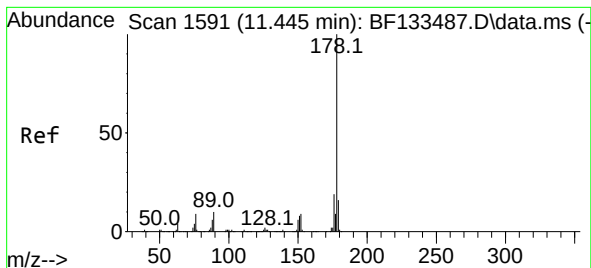
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#71
Phenanthrene
Concen: 8.374 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:178 Resp: 129390
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.3 12.4 18.6





#72

Anthracene

Concen: 2.473 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

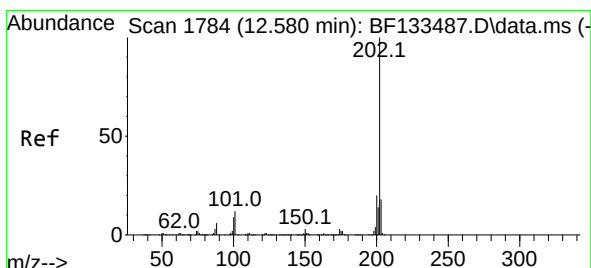
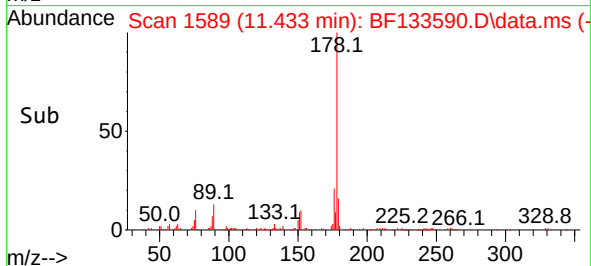
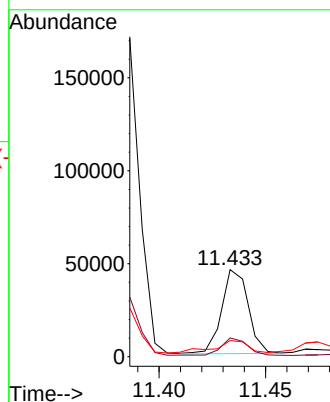
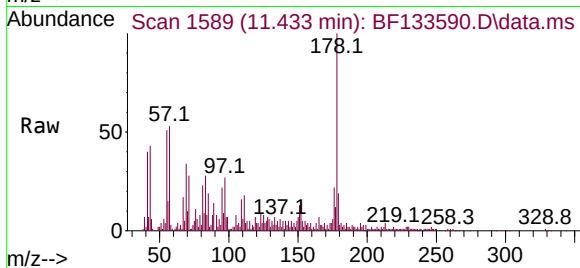
Tgt Ion:178 Resp: 39329
 Ion Ratio Lower Upper
 178 100
 176 21.5 15.3 22.9
 179 18.6 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#75

Fluoranthene

Concen: 22.988 ng

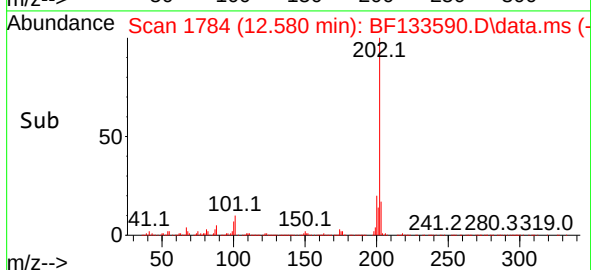
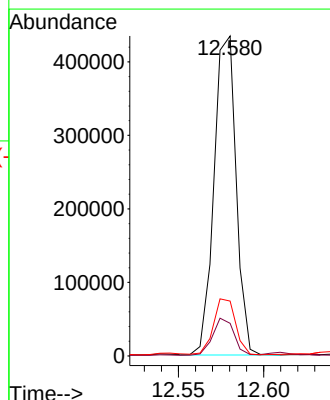
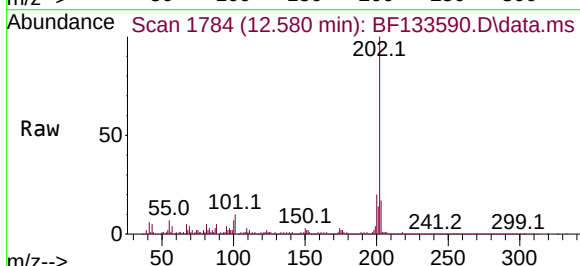
RT: 12.580 min Scan# 1784

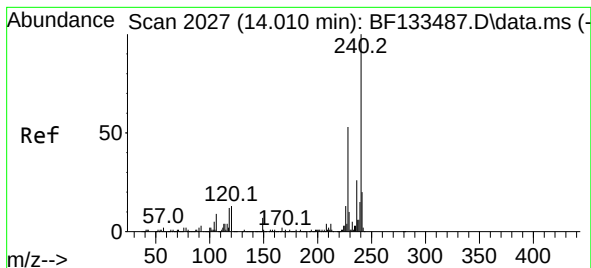
Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:202 Resp: 392319
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 32.2
 203 17.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

Tgt Ion:240 Resp: 173899

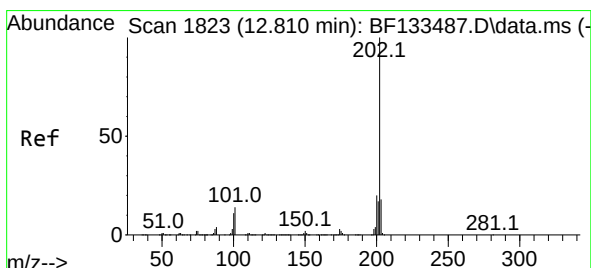
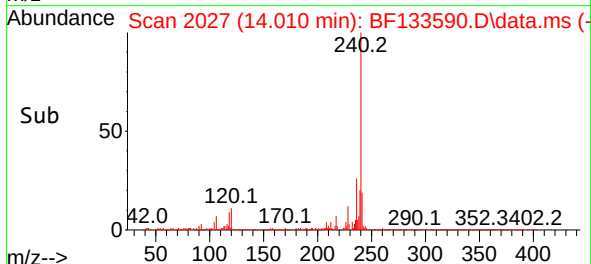
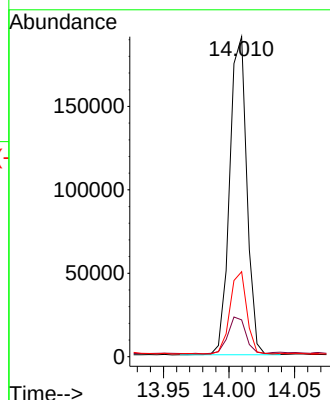
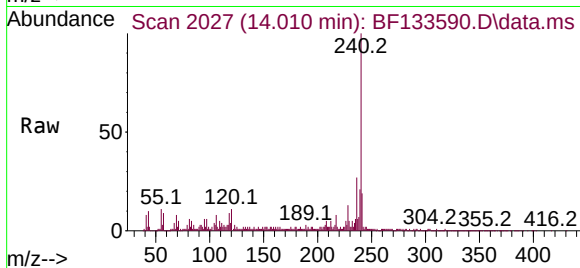
Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.3	15.5
236	26.5	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#78

Pyrene

Concen: 25.516 ng

RT: 12.810 min Scan# 1823

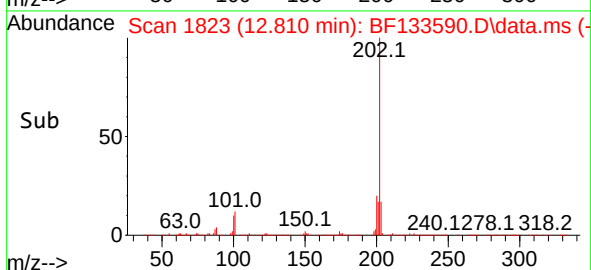
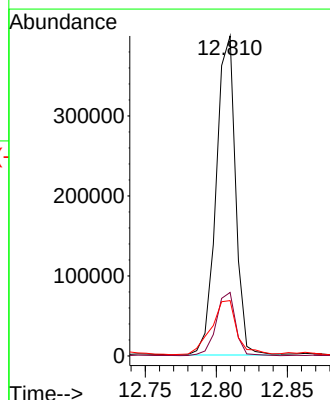
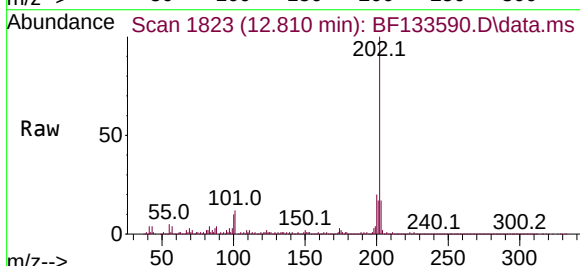
Delta R.T. 0.000 min

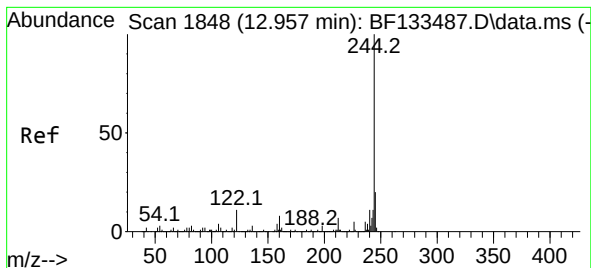
Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:202 Resp: 377594

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.3	24.5
203	17.3	14.3	21.5





#79

Terphenyl-d14

Concen: 60.283 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

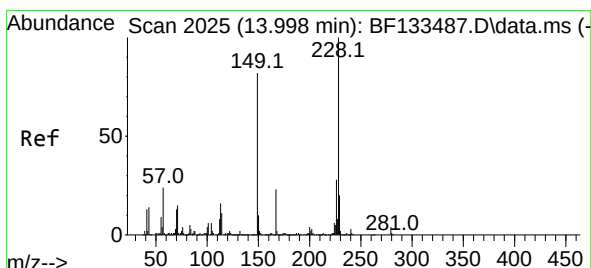
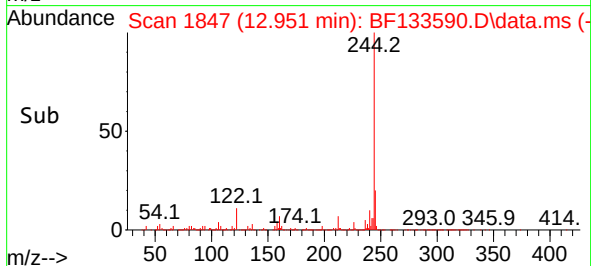
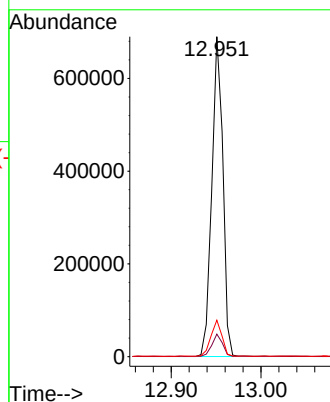
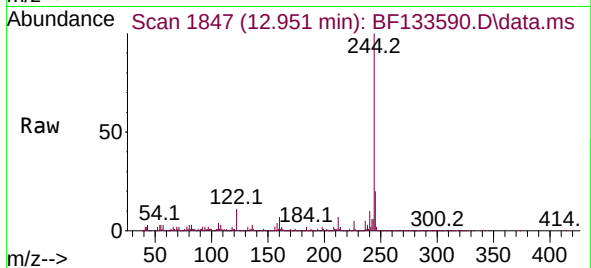
Tgt Ion:244 Resp: 589612
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 11.4 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#81

Benzo(a)anthracene

Concen: 13.176 ng

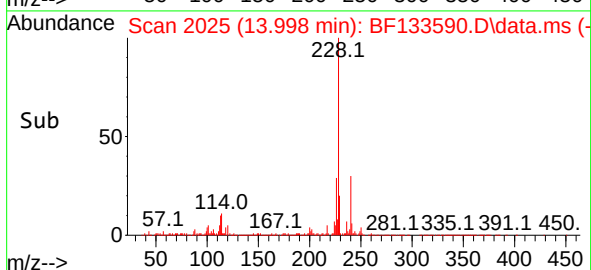
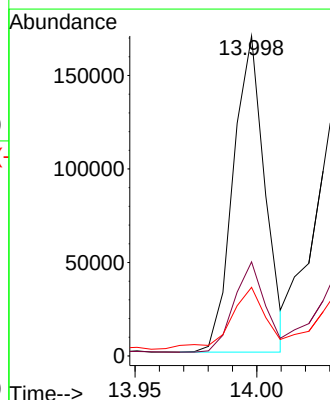
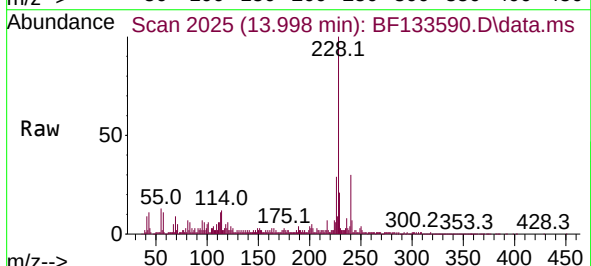
RT: 13.998 min Scan# 2025

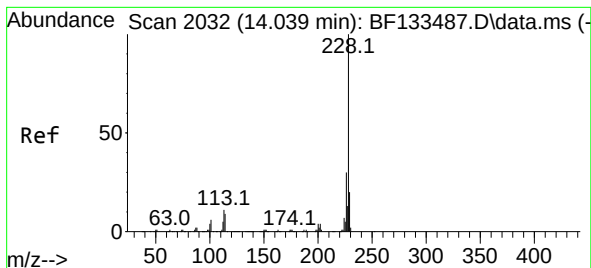
Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:228 Resp: 152642
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.3 33.5
 229 21.4 16.1 24.1





#83

Chrysene

Concen: 12.680 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

ClientSampleId :

EO-3-060123

Tgt Ion:228 Resp: 148292

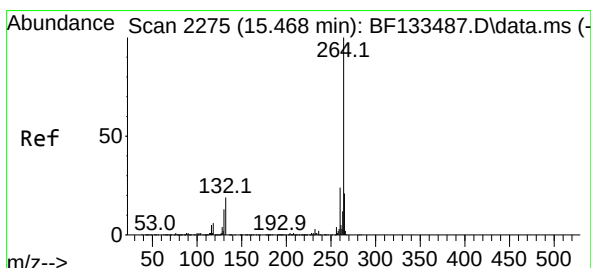
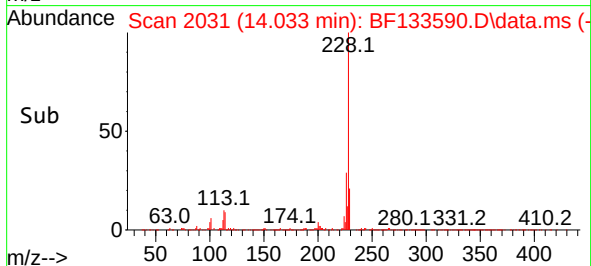
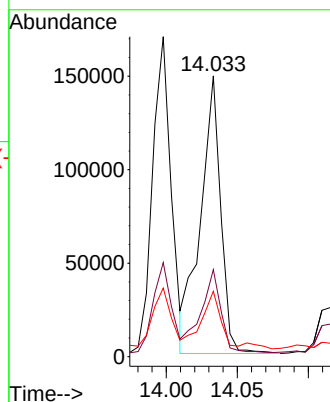
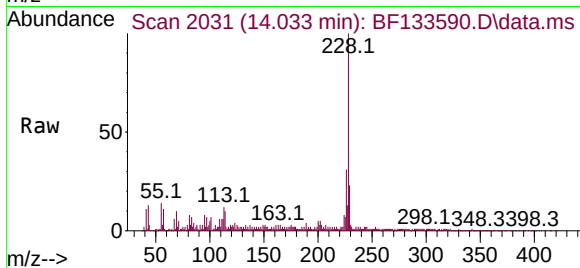
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	23.3	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

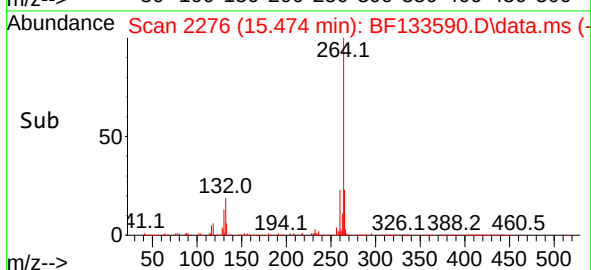
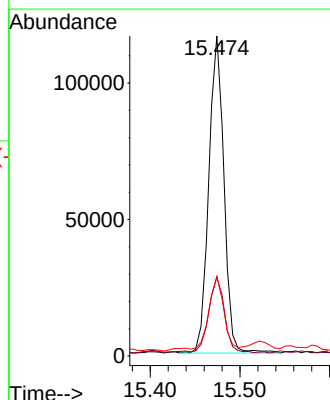
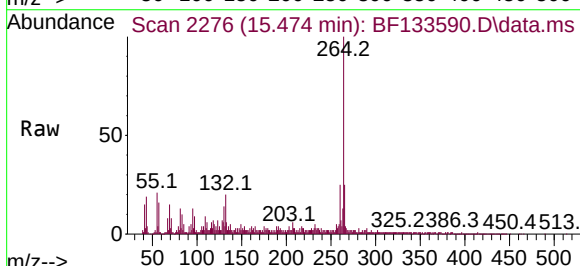
Delta R.T. 0.006 min

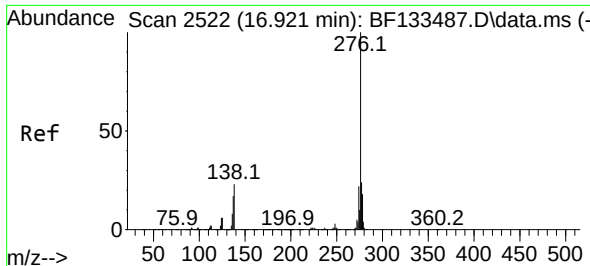
Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:264 Resp: 136371

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	24.8	16.8	25.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.361 ng
RT: 16.933 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Instrument :

BNA_F

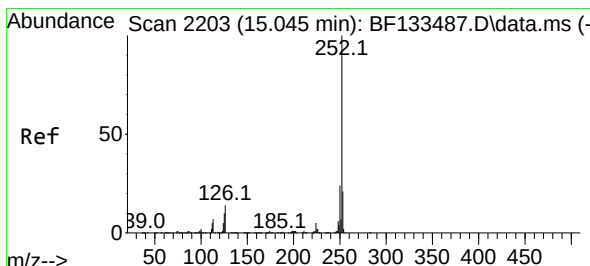
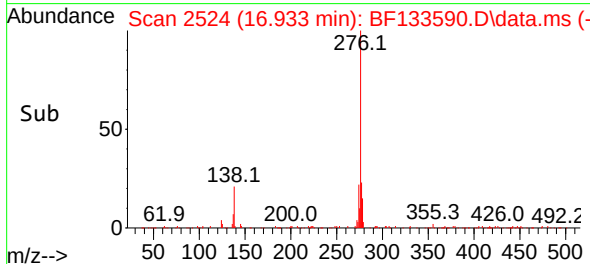
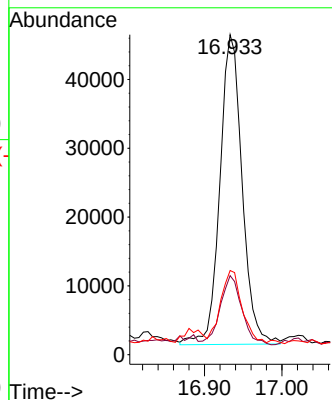
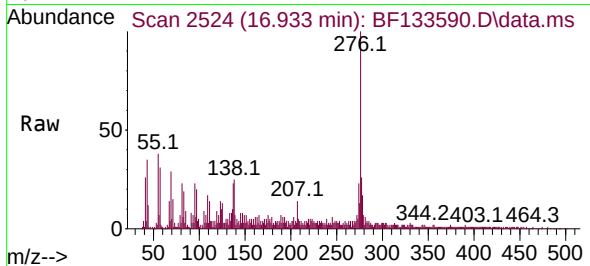
ClientSampleId :

EO-3-060123

Tgt Ion:276 Resp: 90000
Ion Ratio Lower Upper
276 100
138 21.5 21.4 32.2
277 22.0 20.0 30.0

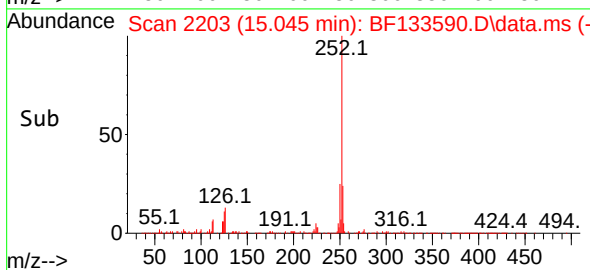
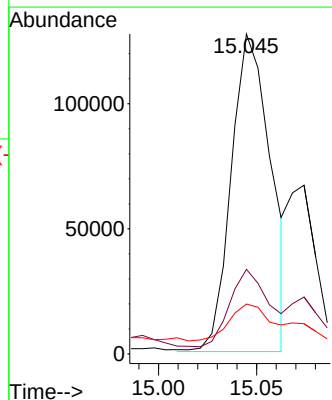
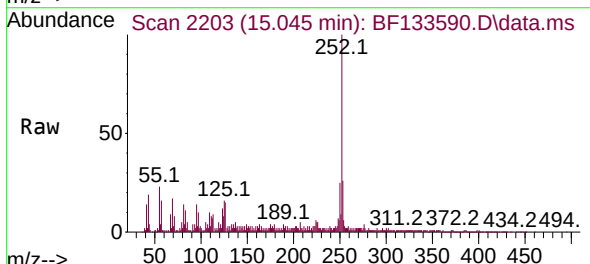
Manual Integrations
APPROVED

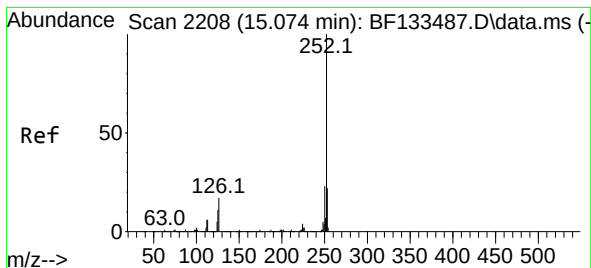
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#88
Benzo(b)fluoranthene
Concen: 20.094 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:252 Resp: 178433
Ion Ratio Lower Upper
252 100
253 26.5 17.2 25.8#
125 15.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 7.690 ng m

RT: 15.074 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Instrument :

BNF

ClientSampleId :

EO-3-060123

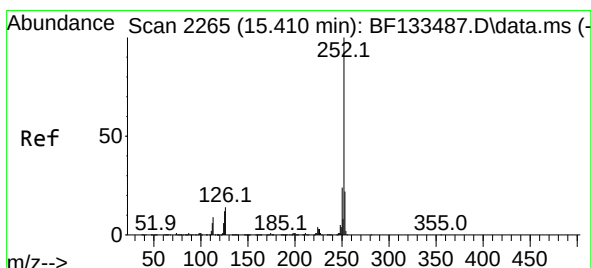
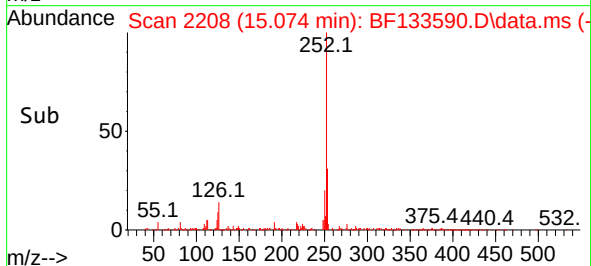
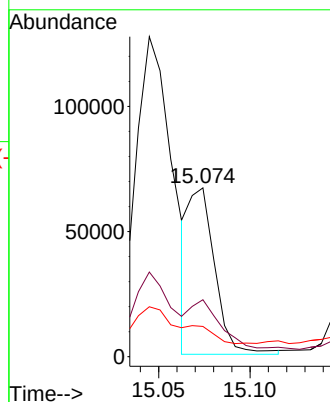
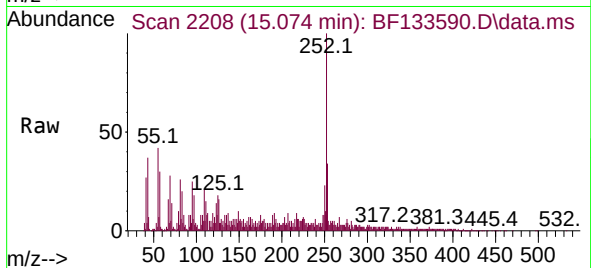
Tgt Ion:252	Resp:	66589
Ion Ratio	Lower	Upper
252	100	
253	33.8	17.4 26.2
125	17.9	8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#90

Benzo(a)pyrene

Concen: 16.231 ng

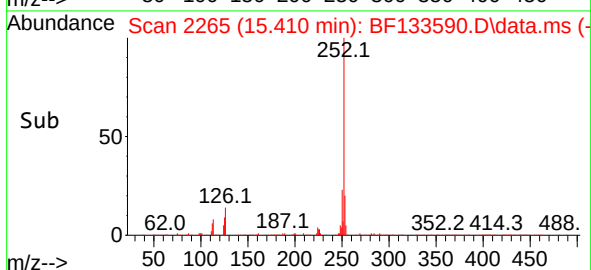
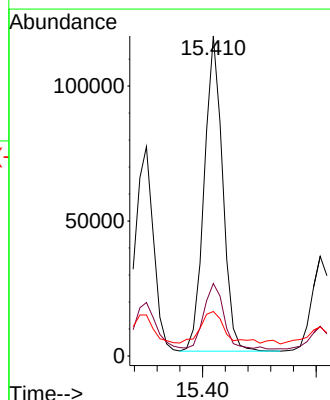
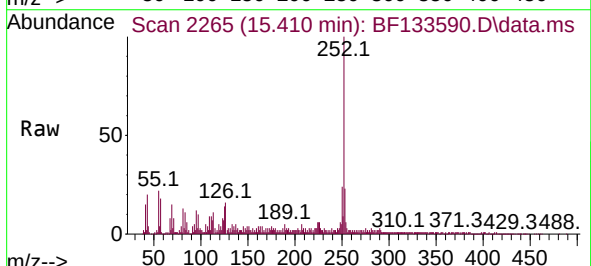
RT: 15.410 min Scan# 2265

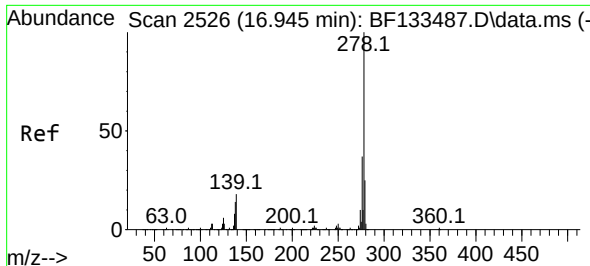
Delta R.T. 0.000 min

Lab File: BF133590.D

Acq: 06 Jun 2023 14:22

Tgt Ion:252	Resp:	131151
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.4 26.0
125	13.9	9.4 14.0





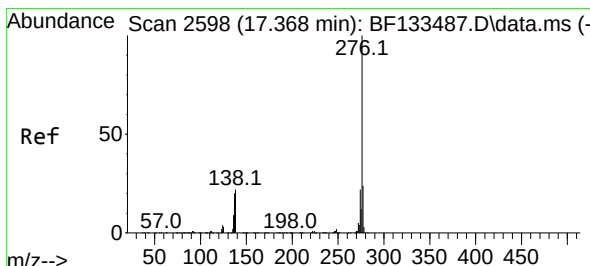
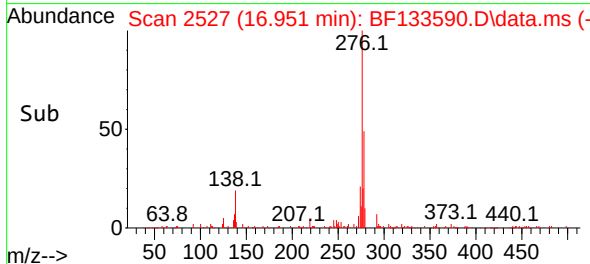
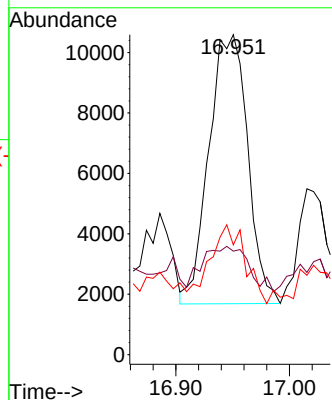
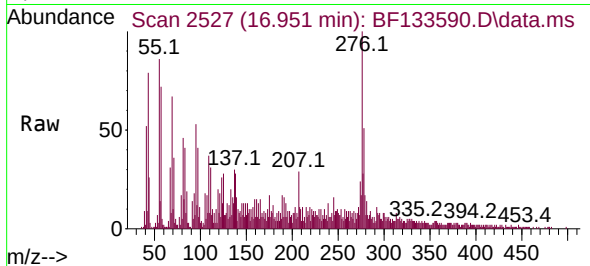
#91
Dibenzo(a,h)anthracene
Concen: 2.989 ng
RT: 16.951 min Scan# 21049
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Instrument :
BNA_F
ClientSampleId :
EO-3-060123

Tgt Ion:278 Resp: 21049
Ion Ratio Lower Upper
278 100
139 32.3 14.1 21.1
279 34.3 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#92
Benzo(g,h,i)perylene
Concen: 12.495 ng
RT: 17.374 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF133590.D
Acq: 06 Jun 2023 14:22

Tgt Ion:276 Resp: 88733
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 22.9 17.8 26.6

