

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140440.D
 Acq On : 16 Nov 2024 19:45
 Operator : RC/JU
 Sample : P4859-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-111424

Quant Time: Nov 18 00:09:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 11/19/2024

Supervised By :mohammad
 ahmed
 11/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121165	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	435470	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	205308	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	336548	20.000	ng	0.00
76) Chrysene-d12	14.045	240	211965	20.000	ng	0.00
86) Perylene-d12	15.545	264	158818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	364123	51.310	ng	0.00
7) Phenol-d6	6.510	99	468741	48.753	ng	0.00
23) Nitrobenzene-d5	7.434	82	294675	35.257	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	86021	42.134	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	524954	41.104	ng	0.00
79) Terphenyl-d14	12.980	244	474428	38.851	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	90199	5.705	ng	99
75) Fluoranthene	12.616	202	179170	10.102	ng	98
78) Pyrene	12.845	202	167179	9.221	ng	99
81) Benzo(a)anthracene	14.033	228	62762	4.505	ng	93
83) Chrysene	14.069	228	59953	4.717	ng	96
87) Indeno(1,2,3-cd)pyrene	17.045	276	23429	2.388	ng	100
88) Benzo(b)fluoranthene	15.110	252	57474m	5.532	ng	
89) Benzo(k)fluoranthene	15.121	252	24149m	2.845	ng	
90) Benzo(a)pyrene	15.480	252	40148	4.976	ng	# 92
92) Benzo(g,h,i)perylene	17.504	276	26102	3.148	ng	# 91

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140440.D
Acq On : 16 Nov 2024 19:45
Operator : RC/JU
Sample : P4859-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

Quant Time: Nov 18 00:09:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

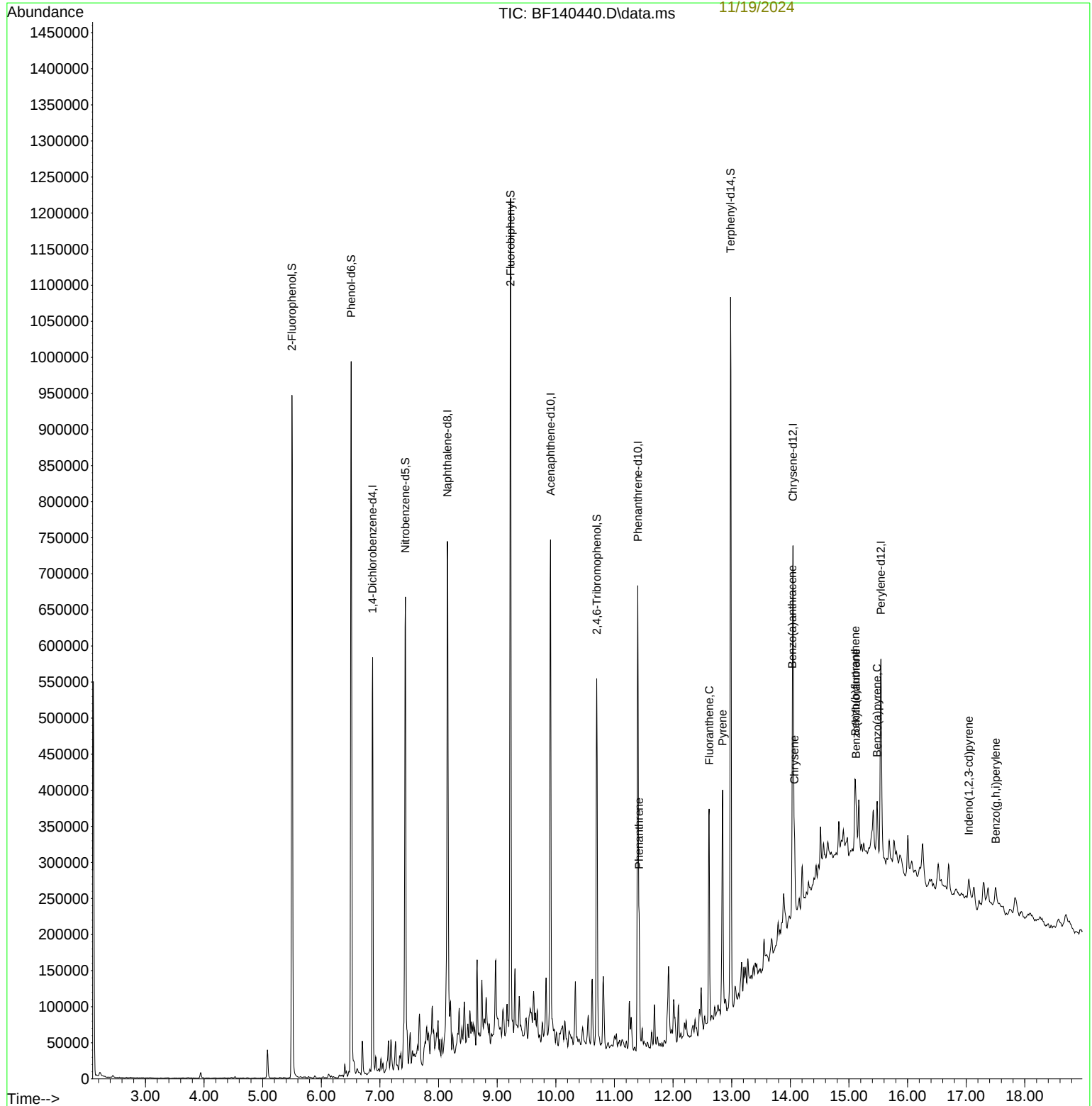
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

11/19/2024

Supervised By :mohammad
ahmed

11/19/2024





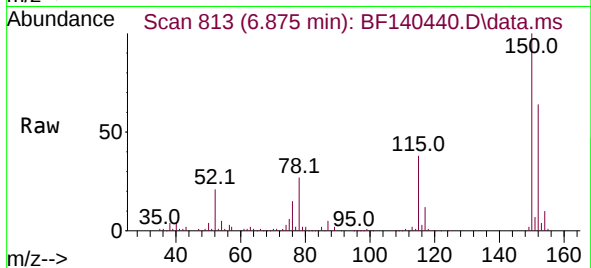
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424



Tgt Ion:152 Resp: 121168
Ion Ratio Lower Upper
152 100
150 156.1 127.4 191.0
115 58.8 47.4 71.2

Manual Integrations
APPROVED

Reviewed By :Yogesh

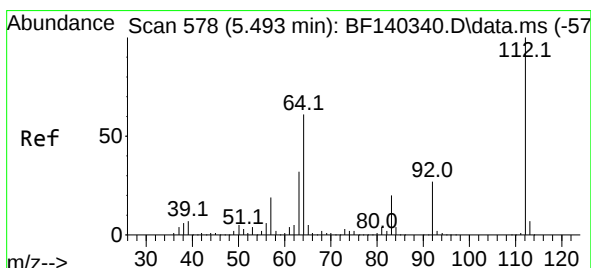
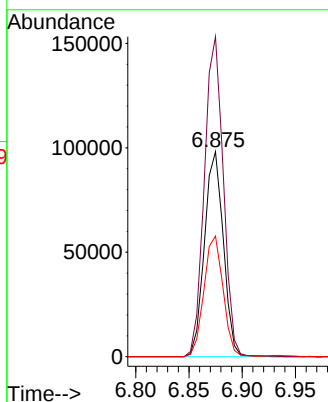
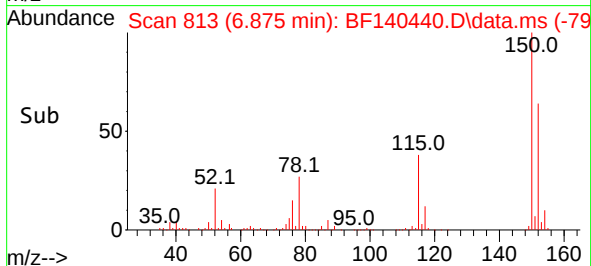
Patel

11/19/2024

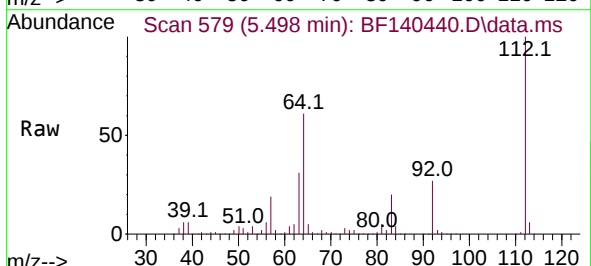
Supervised By :mohammad

ahmed

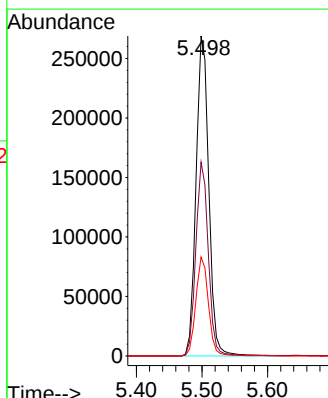
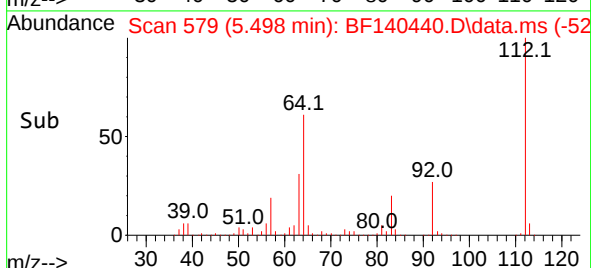
11/19/2024



#5
2-Fluorophenol
Concen: 51.310 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45



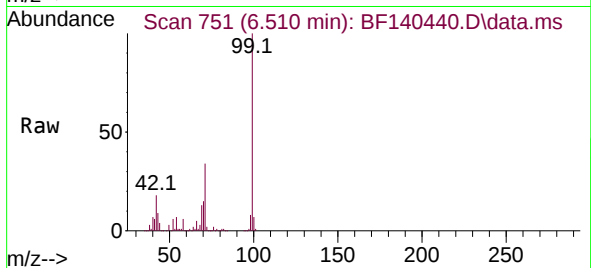
Tgt Ion:112 Resp: 364123
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 30.9 25.6 38.4





#7
Phenol-d6
Concen: 48.753 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

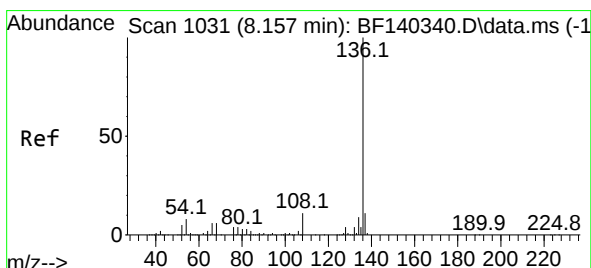
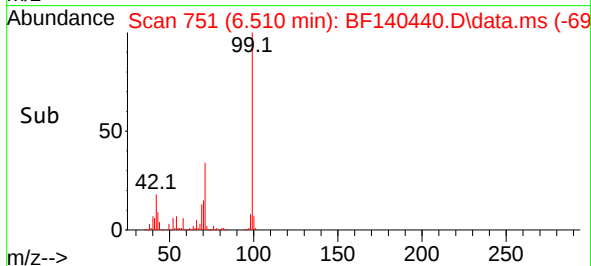
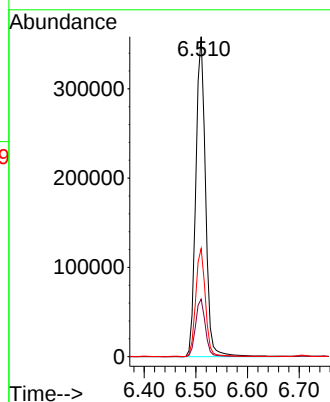


Tgt Ion: 99 Resp: 46874
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 33.8 27.9 41.9

Manual Integrations
APPROVED

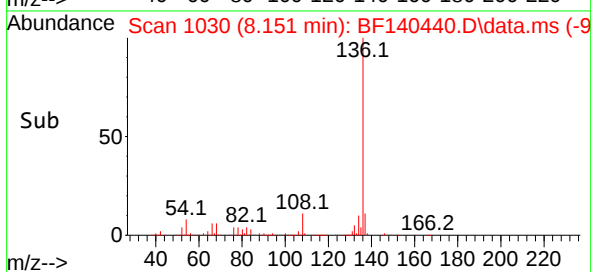
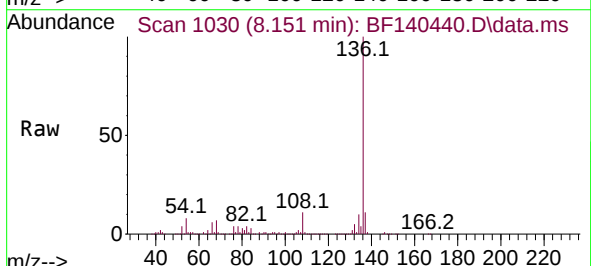
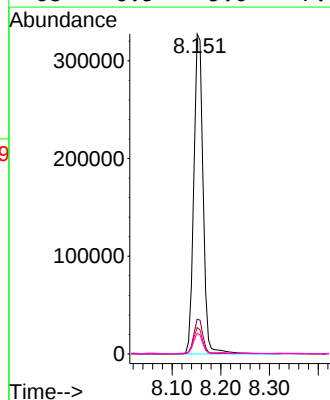
Reviewed By :Yogesh
Patel
11/19/2024

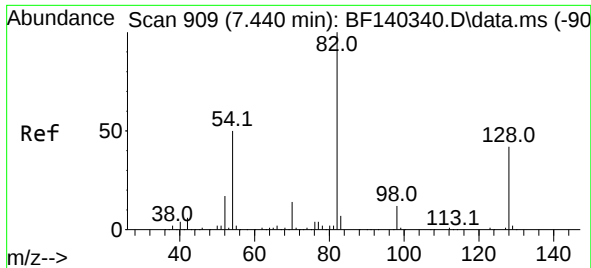
Supervised By :mohammad
ahmed
11/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:136 Resp: 435470
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 6.5 9.7
68 6.5 5.0 7.6





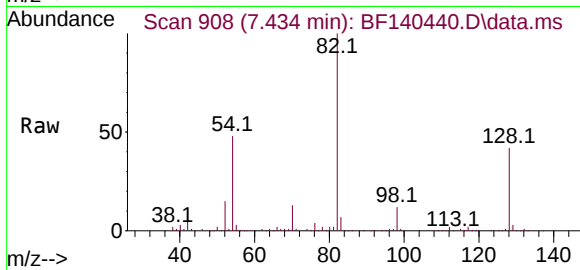
#23
Nitrobenzene-d5
Concen: 35.257 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424



Tgt Ion: 82 Resp: 294679
Ion Ratio Lower Upper
82 100
128 42.2 33.3 49.9
54 47.9 39.8 59.8

Manual Integrations
APPROVED

Reviewed By :Yogesh

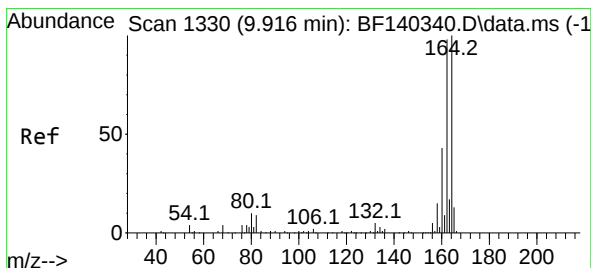
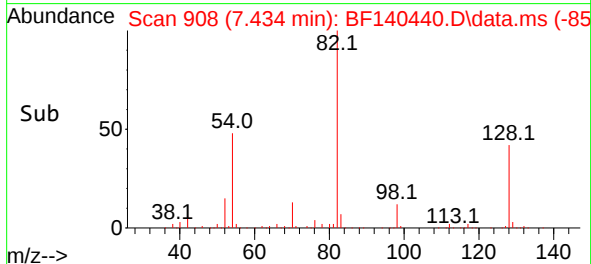
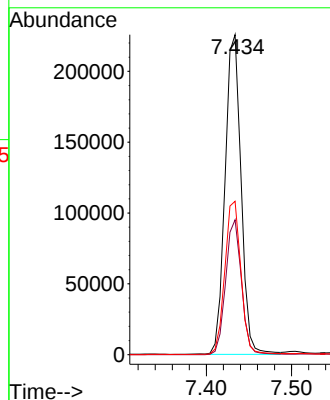
Patel

11/19/2024

Supervised By :mohammad

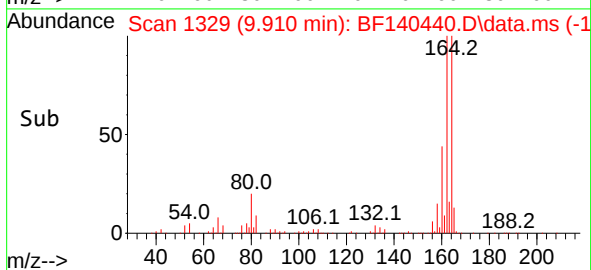
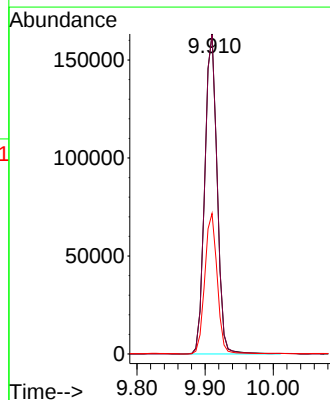
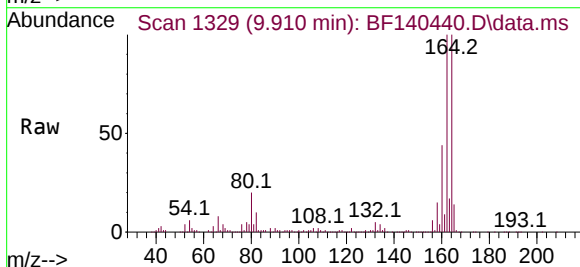
ahmed

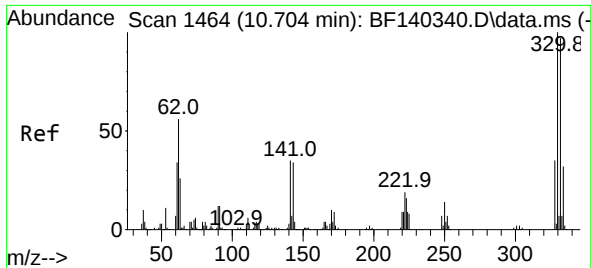
11/19/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:164 Resp: 205308
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 43.9 35.4 53.0





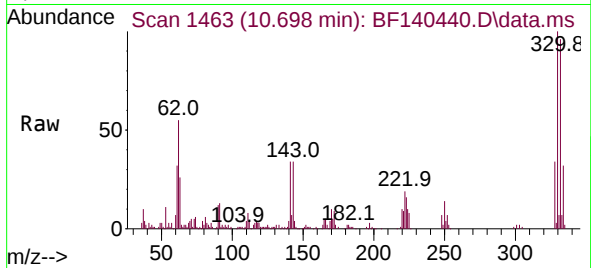
#42
2,4,6-Tribromophenol
Concen: 42.134 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424



Tgt Ion: 330 Resp: 8602
Ion Ratio Lower Upper
330 100
332 95.4 75.9 113.9
141 34.0 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh

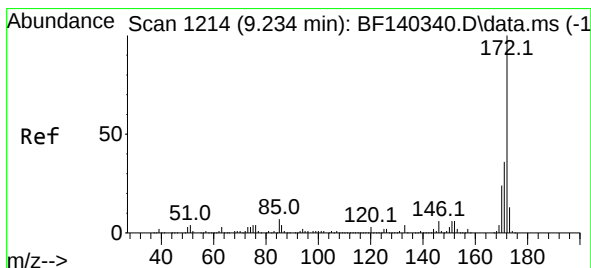
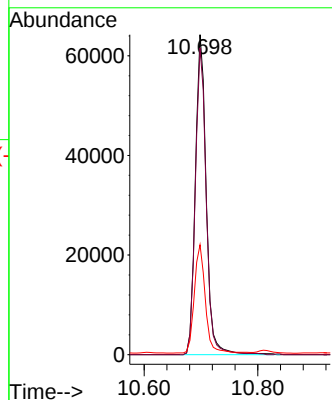
Patel

11/19/2024

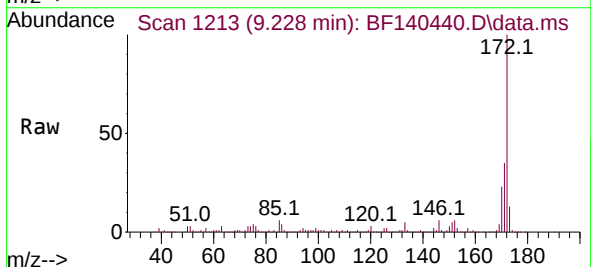
Supervised By :mohammad

ahmed

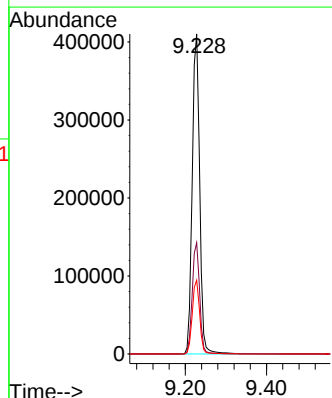
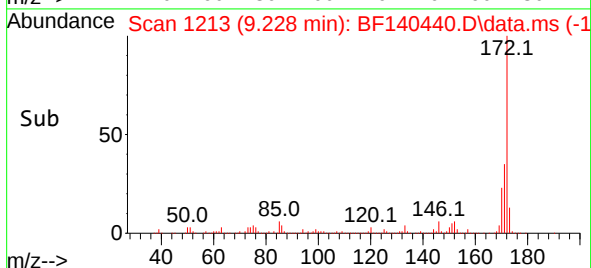
11/19/2024

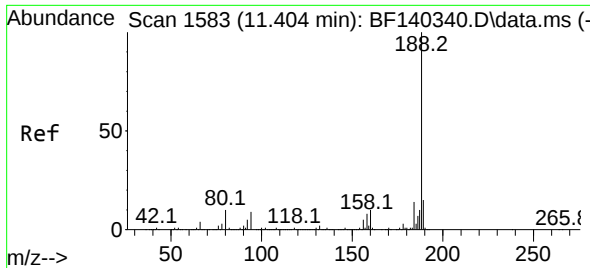


#45
2-Fluorobiphenyl
Concen: 41.104 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45



Tgt Ion: 172 Resp: 524954
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.0 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

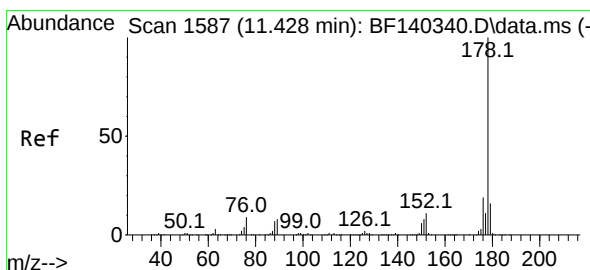
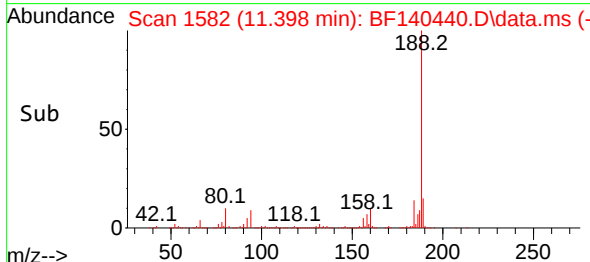
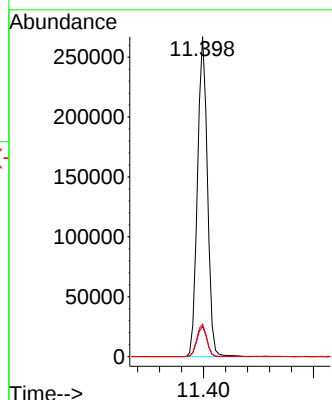
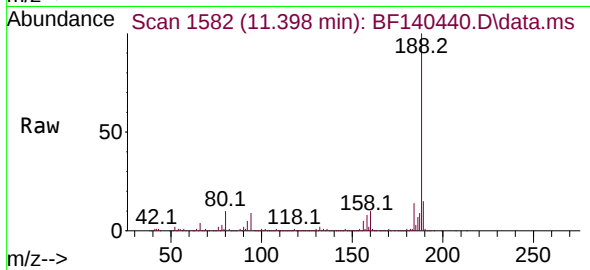
NB-08-111424

Tgt Ion:188 Resp: 33654
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 10.2 8.0 12.0

Manual Integrations
APPROVED

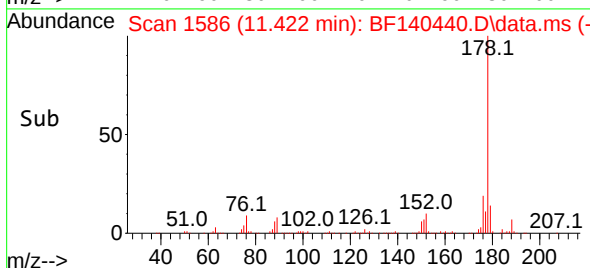
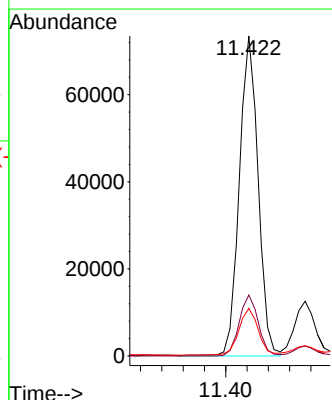
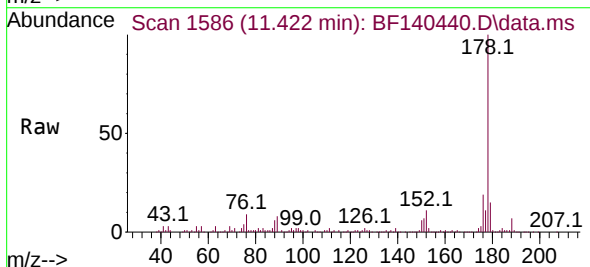
Reviewed By :Yogesh
Patel
11/19/2024

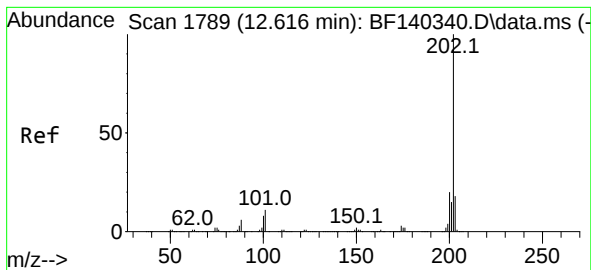
Supervised By :mohammad
ahmed
11/19/2024



#71
Phenanthrene
Concen: 5.705 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

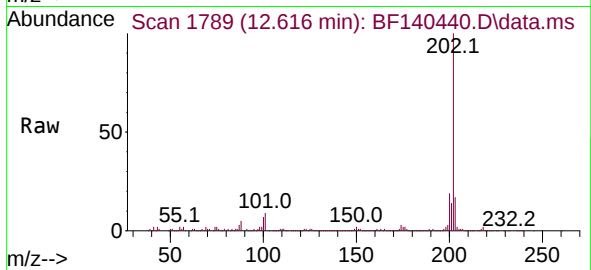
Tgt Ion:178 Resp: 90199
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 14.8 12.4 18.6





#75
Fluoranthene
Concen: 10.102 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

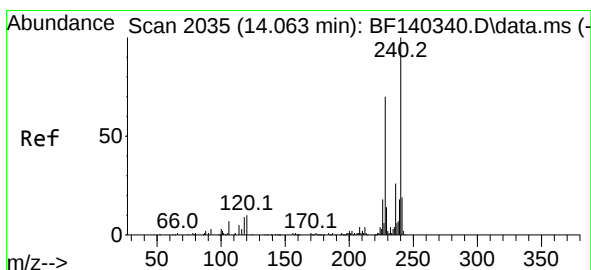
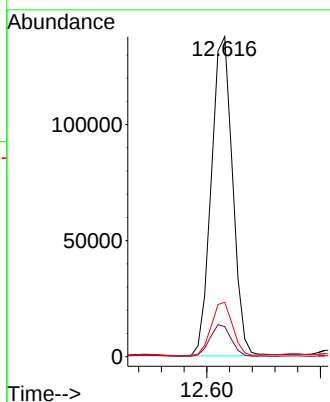
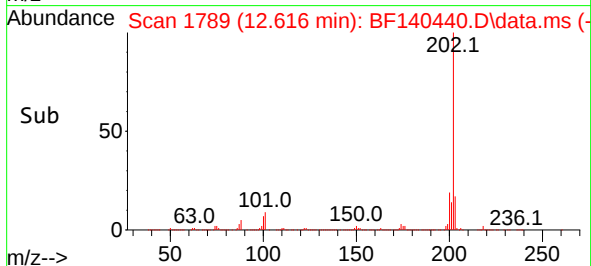


Tgt Ion:202 Resp: 179170
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.7
203 17.0 0.0 37.7

Manual Integrations
APPROVED

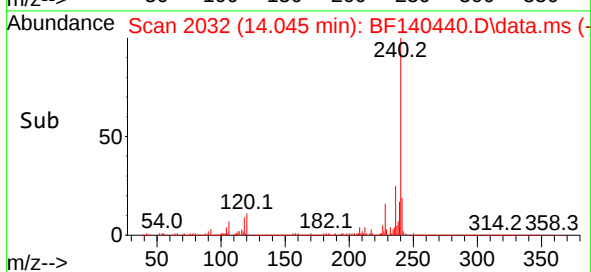
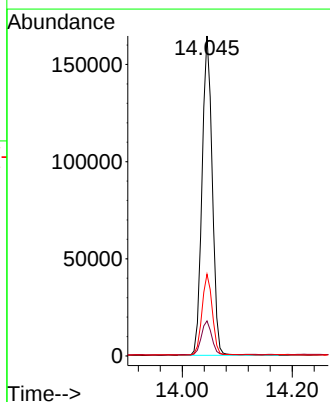
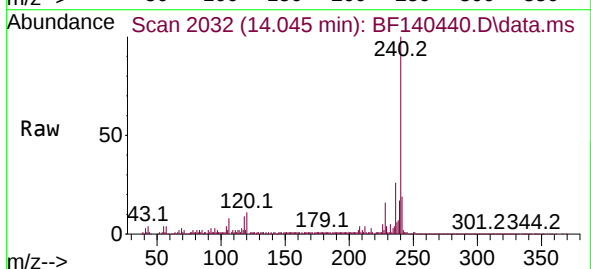
Reviewed By :Yogesh
Patel
11/19/2024

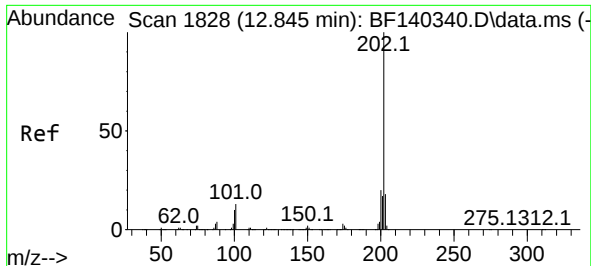
Supervised By :mohammad
ahmed
11/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

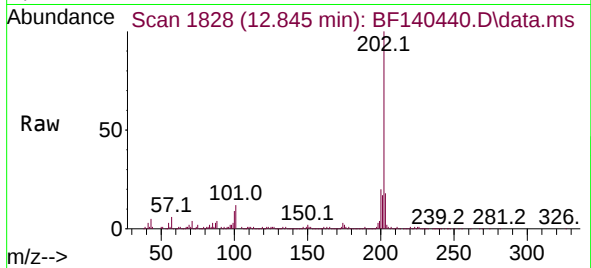
Tgt Ion:240 Resp: 211965
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 25.6 20.9 31.3





#78
Pyrene
Concen: 9.221 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

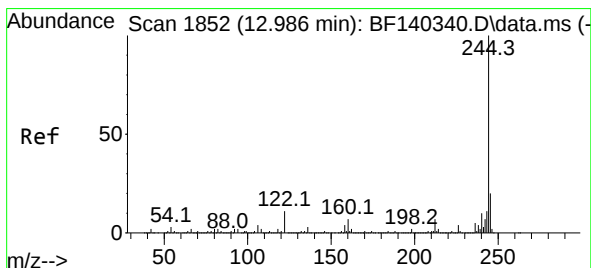
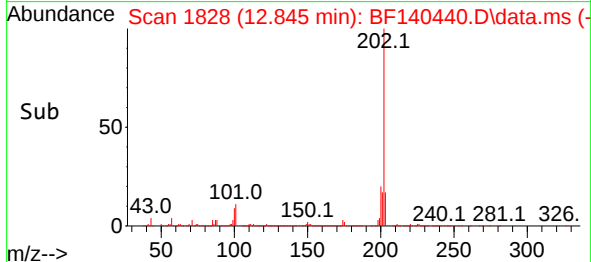
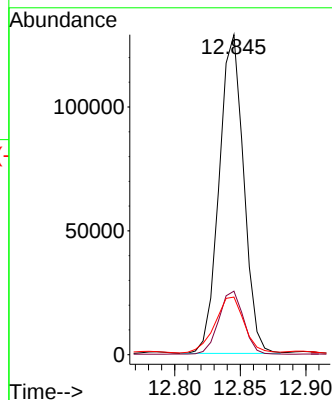


Tgt Ion:202 Resp: 167179
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 18.0 14.2 21.4

Manual Integrations
APPROVED

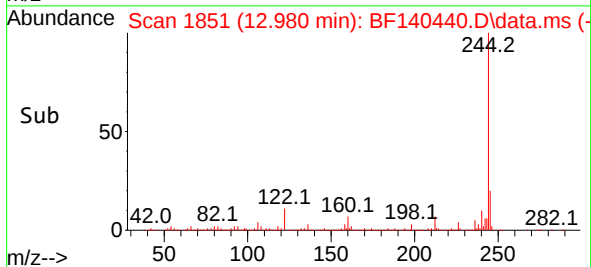
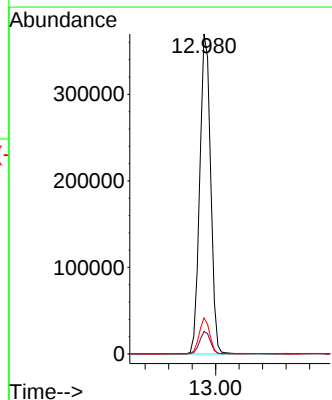
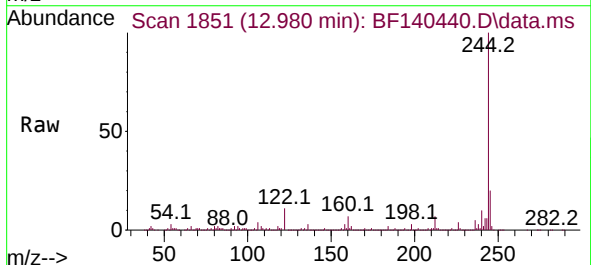
Reviewed By :Yogesh
Patel
11/19/2024

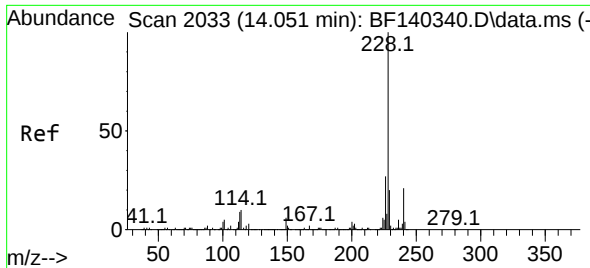
Supervised By :mohammad
ahmed
11/19/2024



#79
Terphenyl-d14
Concen: 38.851 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:244 Resp: 474428
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 11.2 8.8 13.2





#81
Benzo(a)anthracene
Concen: 4.505 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

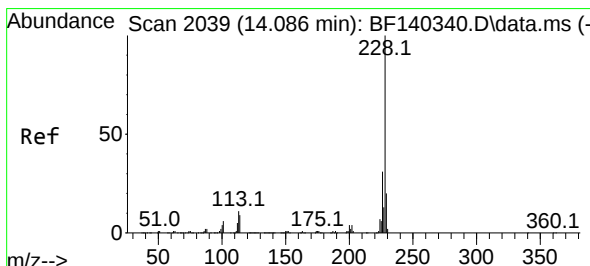
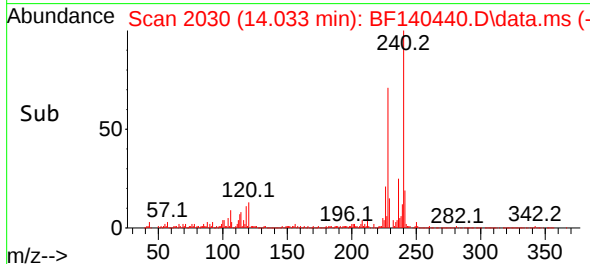
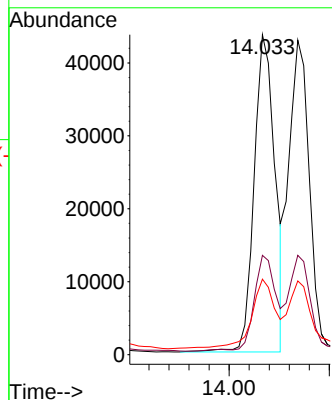
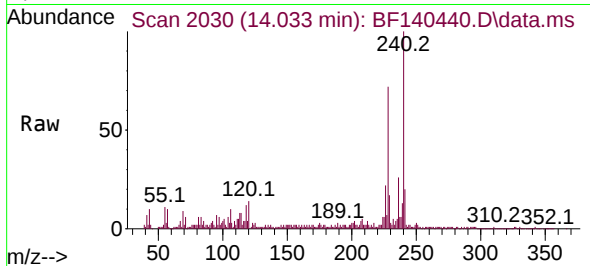
Instrument :
BNA_F
ClientSampleId :
NB-08-111424

Tgt Ion:228 Resp: 62762
Ion Ratio Lower Upper
228 100
226 31.0 22.2 33.4
229 23.6 15.8 23.6

Manual Integrations
APPROVED

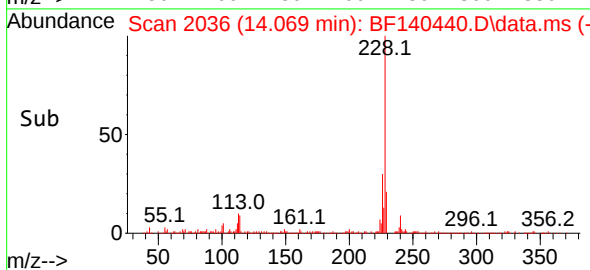
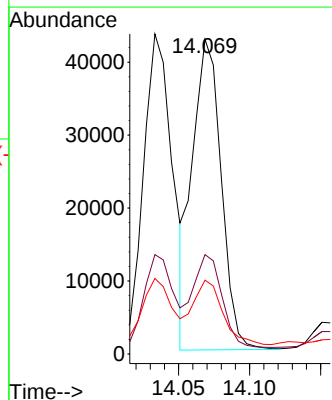
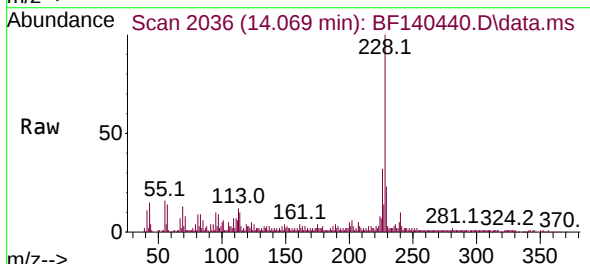
Reviewed By :Yogesh
Patel
11/19/2024

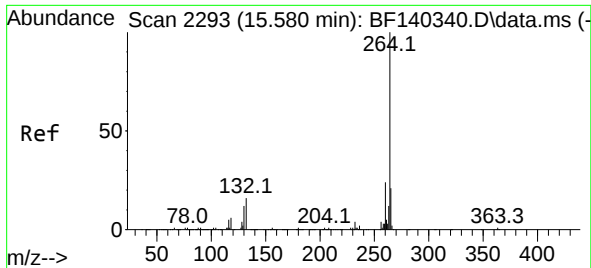
Supervised By :mohammad
ahmed
11/19/2024



#83
Chrysene
Concen: 4.717 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:228 Resp: 59953
Ion Ratio Lower Upper
228 100
226 31.6 24.5 36.7
229 23.4 16.0 24.0





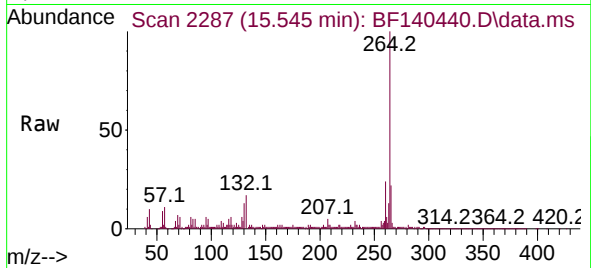
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424



Tgt Ion:264 Resp: 158818
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.9 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh

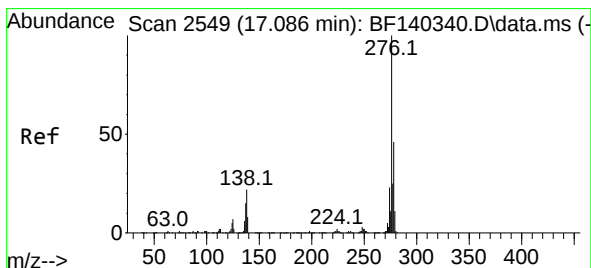
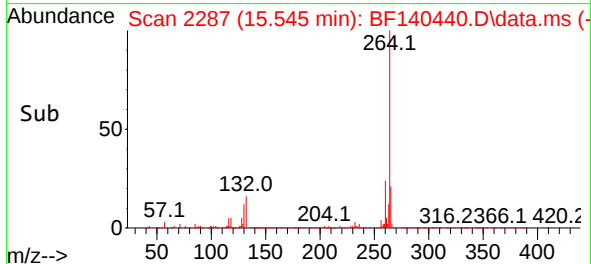
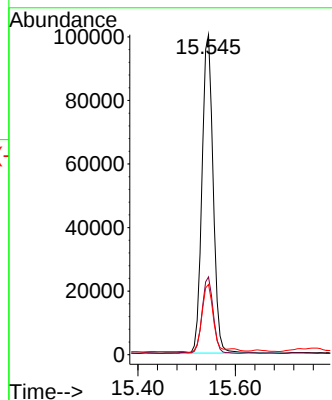
Patel

11/19/2024

Supervised By :mohammad

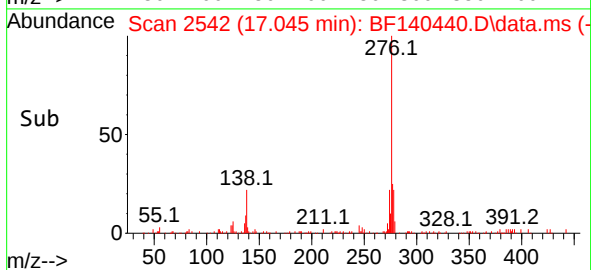
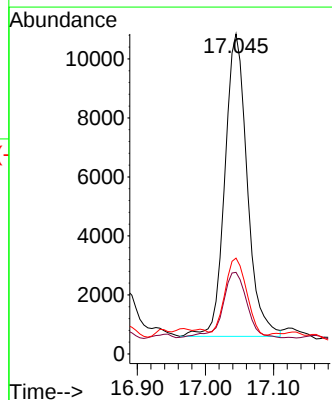
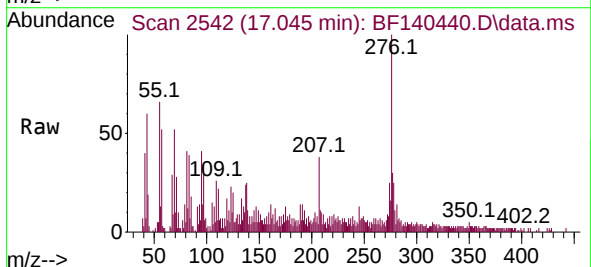
ahmed

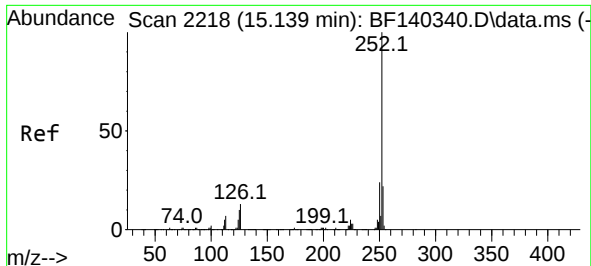
11/19/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.388 ng
RT: 17.045 min Scan# 2542
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

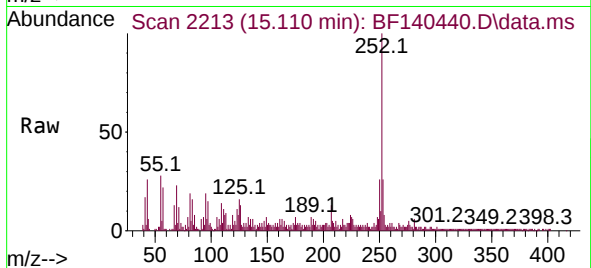
Tgt Ion:276 Resp: 23429
Ion Ratio Lower Upper
276 100
138 23.8 18.8 28.2
277 25.3 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 5.532 ng m
RT: 15.110 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

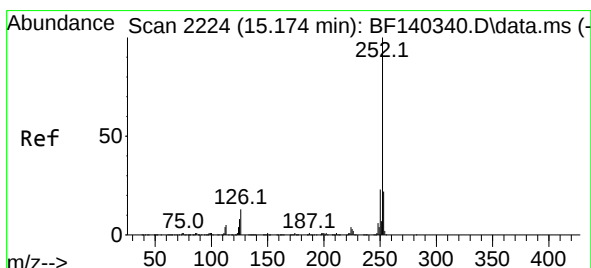
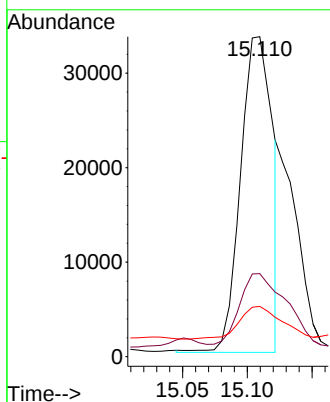
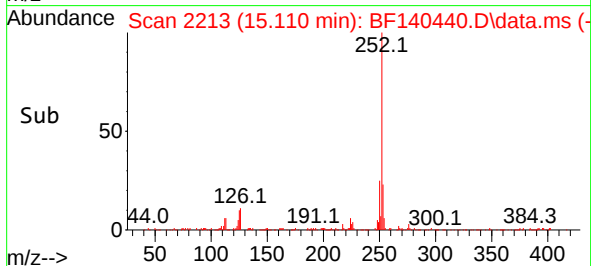


Tgt Ion:252 Resp: 57474
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 15.7 8.0 12.0

Manual Integrations
APPROVED

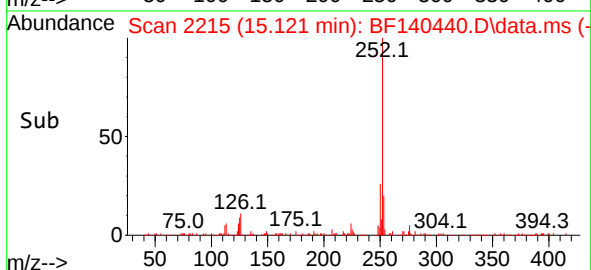
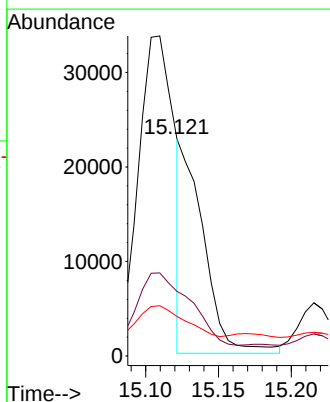
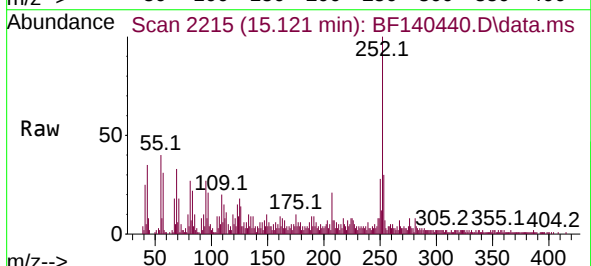
Reviewed By :Yogesh
Patel
11/19/2024

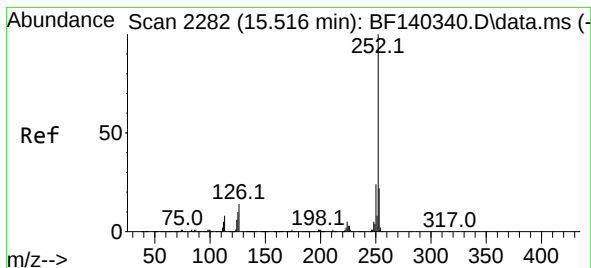
Supervised By :mohammad
ahmed
11/19/2024



#89
Benzo(k)fluoranthene
Concen: 2.845 ng m
RT: 15.121 min Scan# 2215
Delta R.T. -0.029 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:252 Resp: 24149
Ion Ratio Lower Upper
252 100
253 29.8 17.3 25.9#
125 18.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.976 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424

Tgt Ion:	252	Resp:	4014
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.8	26.6
125	15.4	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh

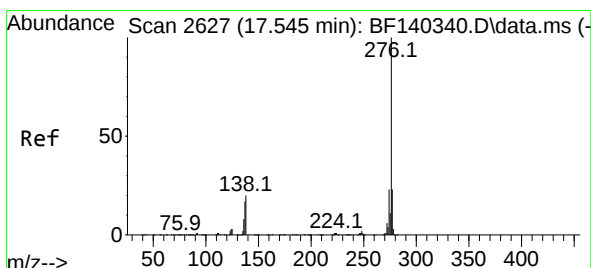
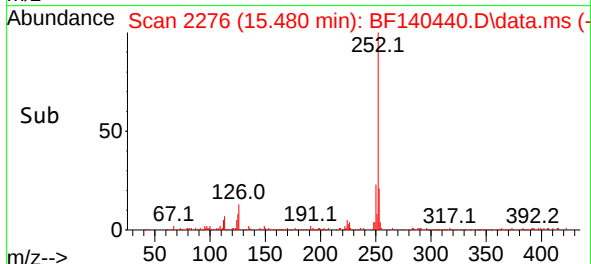
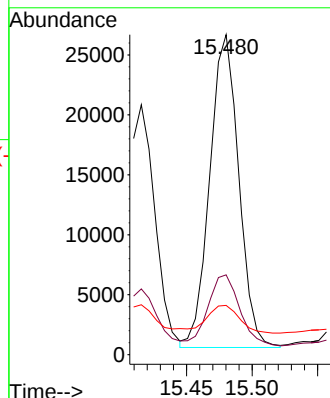
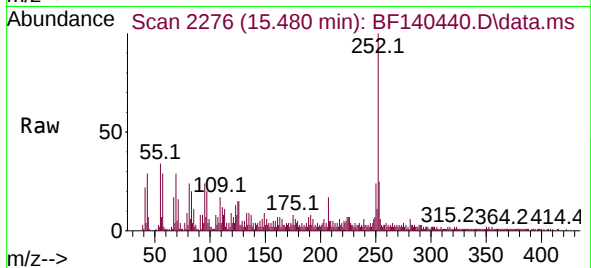
Patel

11/19/2024

Supervised By :mohammad

ahmed

11/19/2024



#92

Benzo(g,h,i)perylene

Concen: 3.148 ng

RT: 17.504 min Scan# 2620

Delta R.T. -0.012 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Tgt Ion:	276	Resp:	26102
Ion Ratio	Lower	Upper	
276	100		
277	29.7	18.6	28.0
138	21.7	16.0	24.0

