

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133662.D
 Acq On : 09 Jun 2023 03:04
 Operator : CG\JU
 Sample : 03002-08DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB02DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 04:13:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	93676	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	313686	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	128868	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	242618	20.000	ng	0.00
76) Chrysene-d12	14.010	240	143800	20.000	ng	0.00
86) Perylene-d12	15.480	264	118654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	41569	7.404	ng	0.00
7) Phenol-d6	6.457	99	48821	7.064	ng	-0.01
23) Nitrobenzene-d5	7.392	82	25804	5.492	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	9232	7.187	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	54842	6.568	ng	0.00
79) Terphenyl-d14	12.951	244	51485	6.366	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.422	166	17192	2.011	ng	100
71) Phenanthrene	11.392	178	187154	15.230	ng	99
72) Anthracene	11.439	178	54949	4.345	ng	97
75) Fluoranthene	12.580	202	307309	22.640	ng	99
78) Pyrene	12.810	202	287768	23.517	ng	98
81) Benzo(a)anthracene	13.998	228	154749	16.154	ng	96
83) Chrysene	14.039	228	155711m	16.101	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	46692	6.178	ng	94
88) Benzo(b)fluoranthene	15.051	252	122101m	15.803	ng	
89) Benzo(k)fluoranthene	15.074	252	32992m	4.379	ng	
90) Benzo(a)pyrene	15.415	252	117740	16.747	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	16283	2.657	ng	# 62
92) Benzo(g,h,i)perylene	17.386	276	69960	11.322	ng	93

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

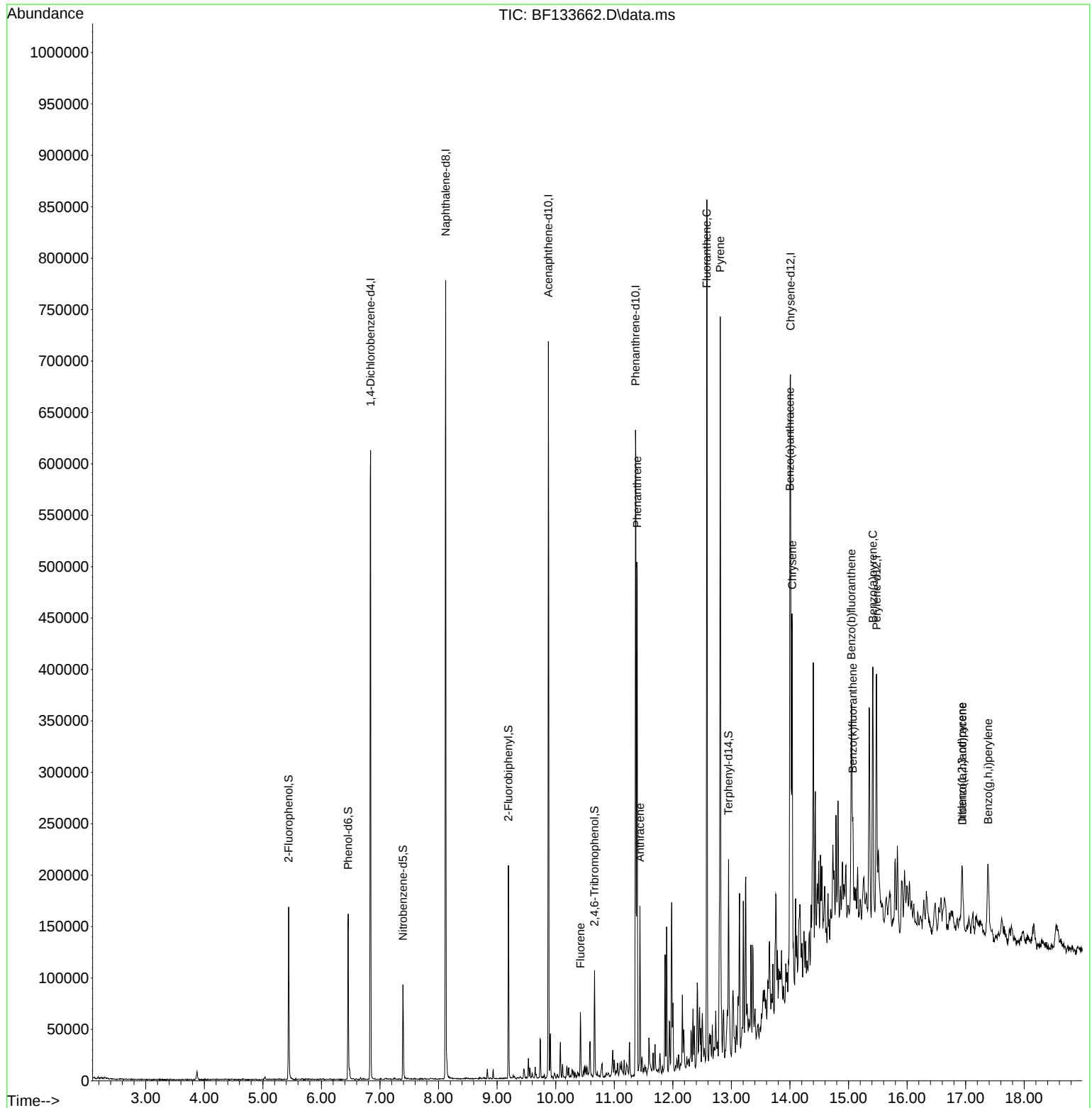
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133662.D
Acq On : 09 Jun 2023 03:04
Operator : CG\JU
Sample : 03002-08DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

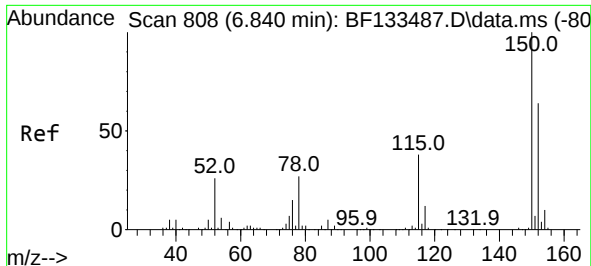
Instrument :
BNA_F
ClientSampleId :
SB02DL

Quant Time: Jun 09 04:13:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:43:32 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

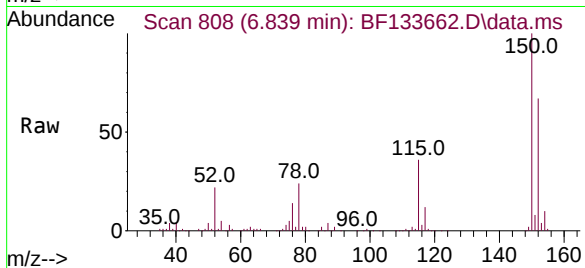
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

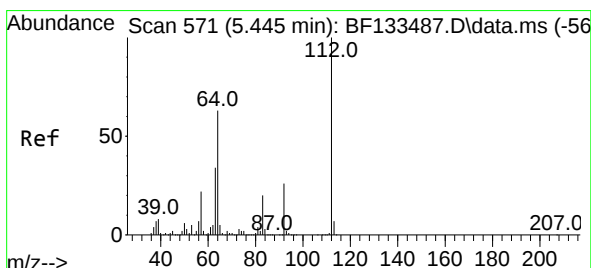
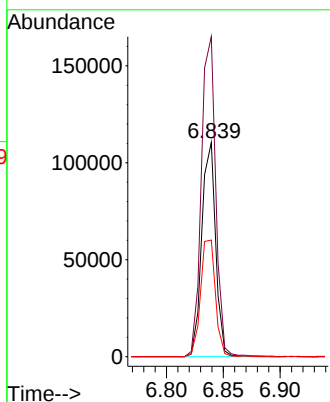
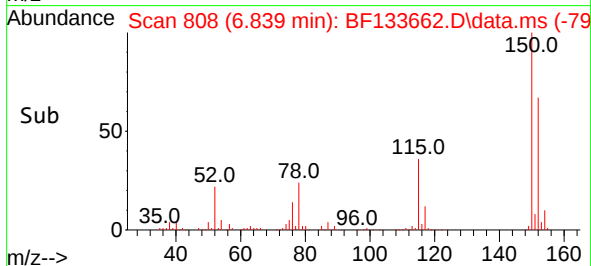
Instrument :
BNA_F
ClientSampleId :
SB02DL



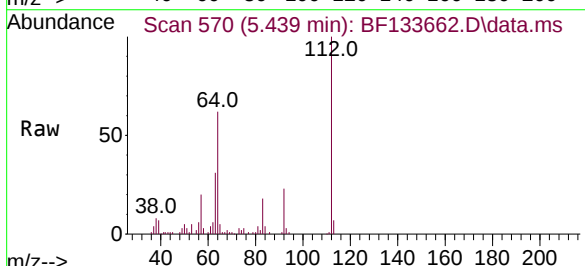
Tgt Ion:152 Resp: 93670
Ion Ratio Lower Upper
152 100
150 149.4 124.9 187.3
115 54.4 48.1 72.1

Manual Integrations
APPROVED

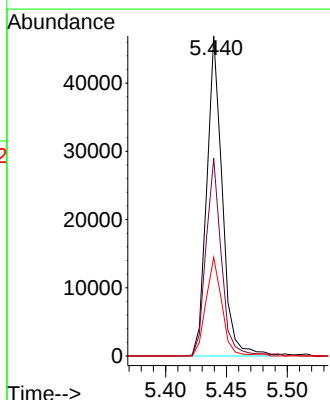
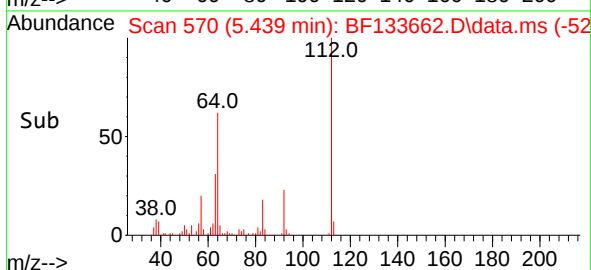
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

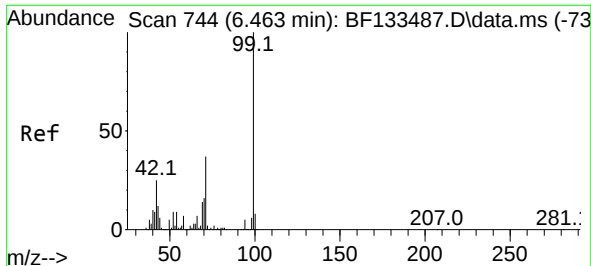


#5
2-Fluorophenol
Concen: 7.404 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04



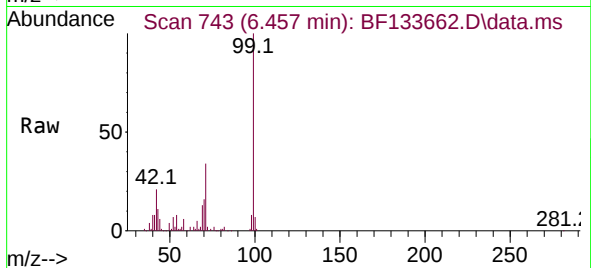
Tgt Ion:112 Resp: 41569
Ion Ratio Lower Upper
112 100
64 61.7 50.1 75.1
63 30.8 27.5 41.3





#7
Phenol-d6
Concen: 7.064 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

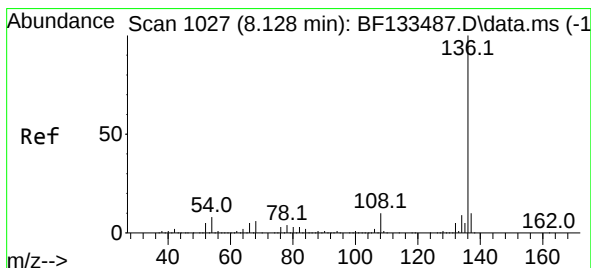
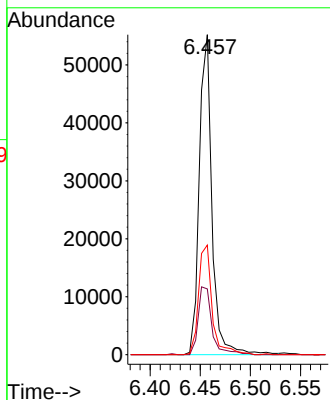
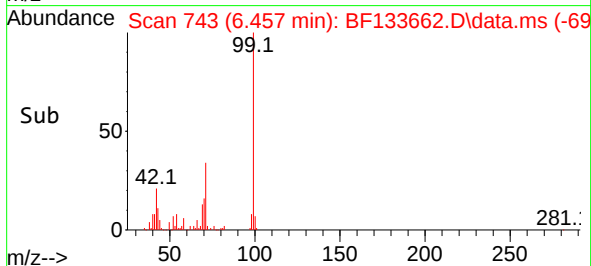
Instrument :
BNA_F
Client Sample Id :
SB02DL



Tgt Ion: 99 Resp: 4882
Ion Ratio Lower Upper
99 100
42 20.5 19.7 29.5
71 34.3 29.8 44.8

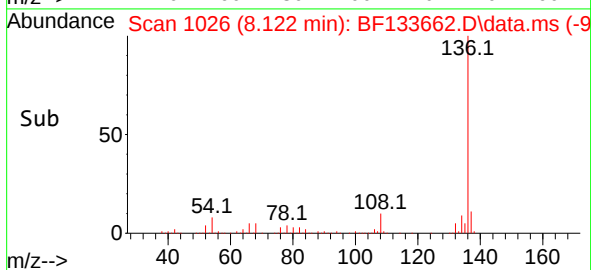
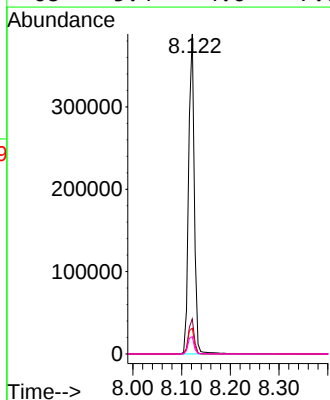
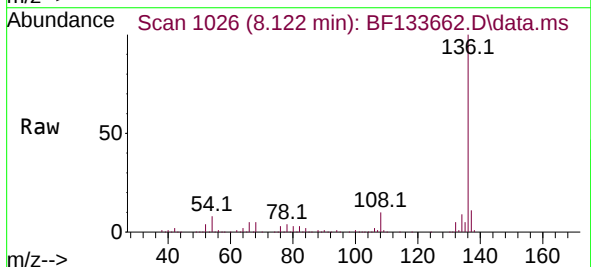
Manual Integrations
APPROVED

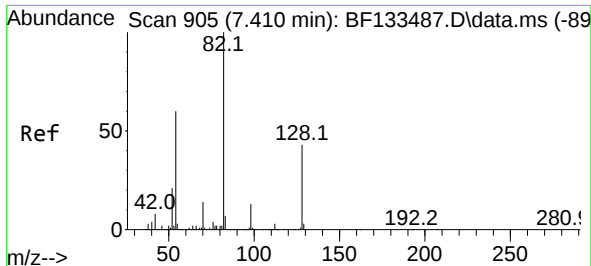
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:136 Resp: 313686
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 8.1 6.6 10.0
68 5.4 4.6 7.0





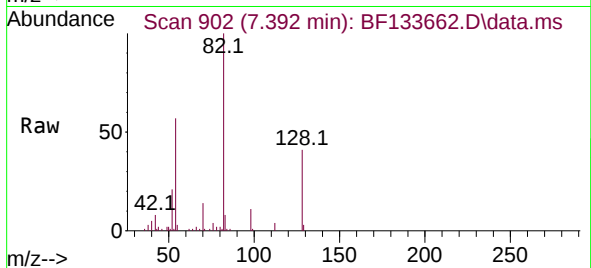
#23
Nitrobenzene-d5
Concen: 5.492 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

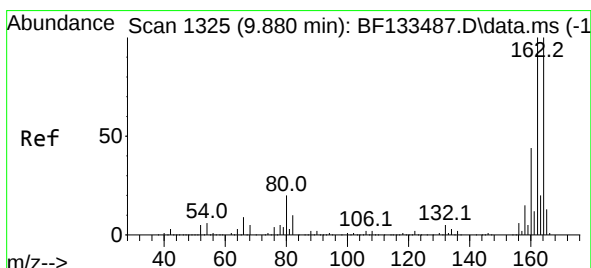
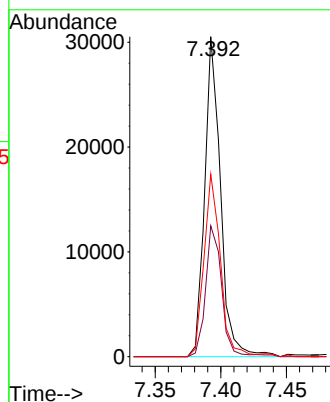
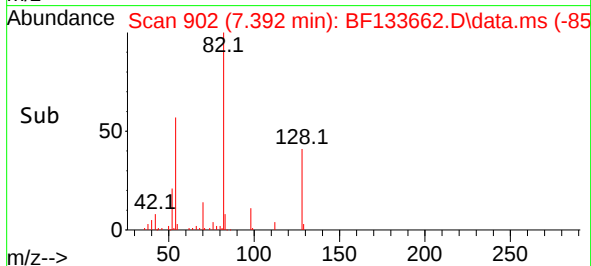


Tgt Ion: 82 Resp: 25804
Ion Ratio Lower Upper
82 100
128 40.9 34.2 51.4
54 57.0 48.2 72.4

Manual Integrations

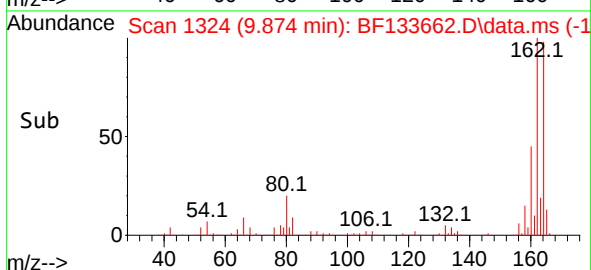
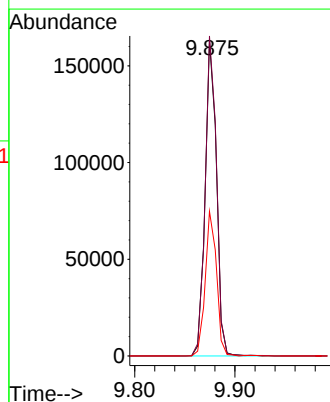
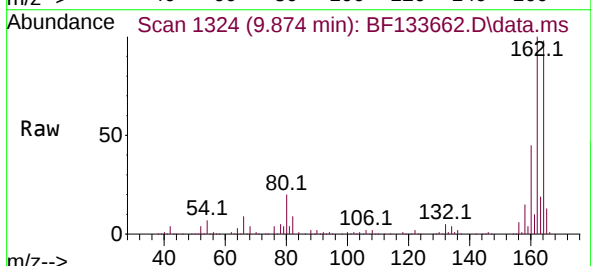
APPROVED

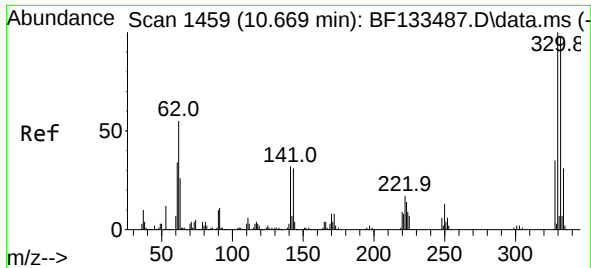
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

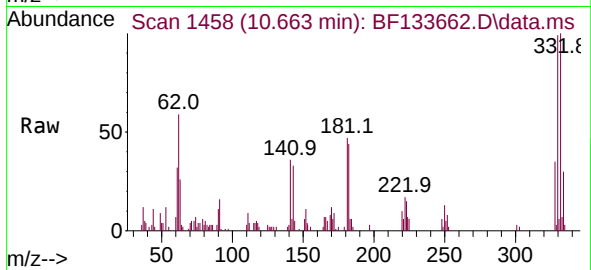
Tgt Ion:164 Resp: 128868
Ion Ratio Lower Upper
164 100
162 101.5 79.7 119.5
160 45.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 7.187 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

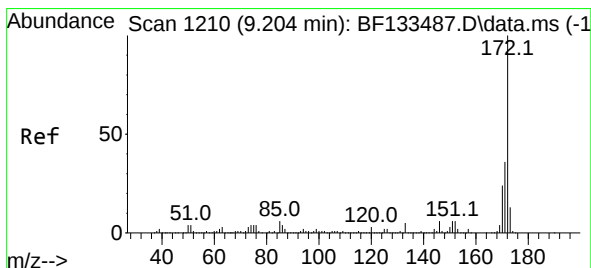
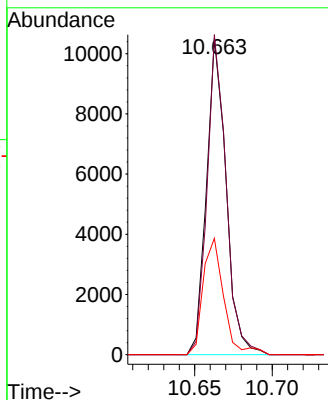
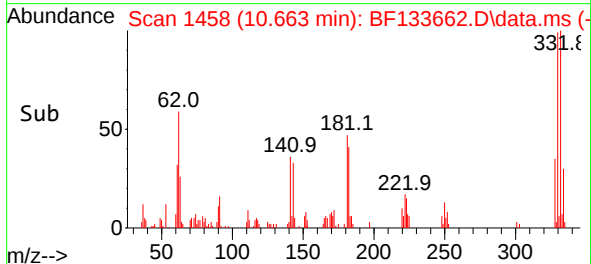
Instrument :
BNA_F
ClientSampleId :
SB02DL



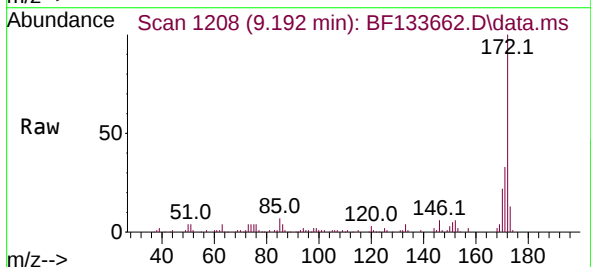
Tgt Ion: 330 Resp: 923
Ion Ratio Lower Upper
330 100
332 98.4 77.8 116.6
141 38.9 26.6 40.0

Manual Integrations
APPROVED

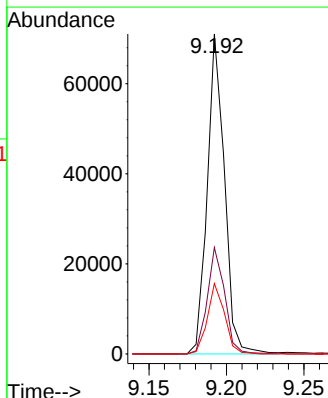
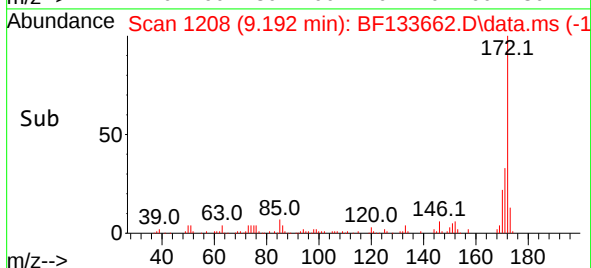
Reviewed By : Yogesh Patel 06/09/2023
Supervised By : mohammad ahmed 06/13/2023

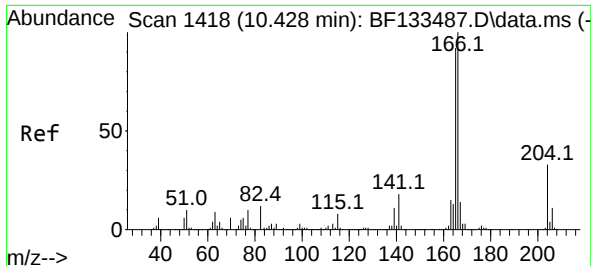


#45
2-Fluorobiphenyl
Concen: 6.568 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04



Tgt Ion: 172 Resp: 54842
Ion Ratio Lower Upper
172 100
171 33.3 28.4 42.6
170 22.0 19.3 28.9





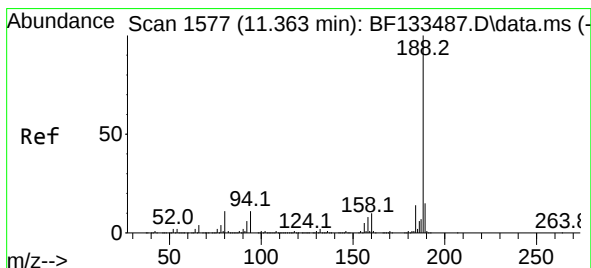
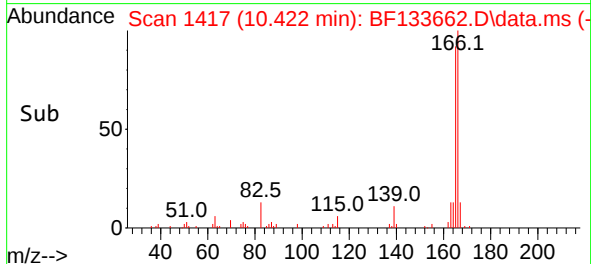
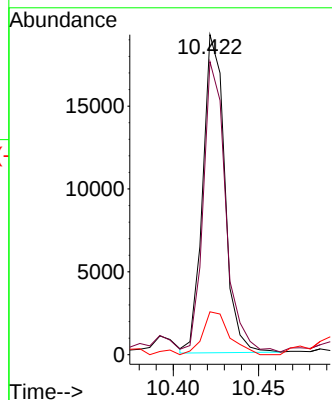
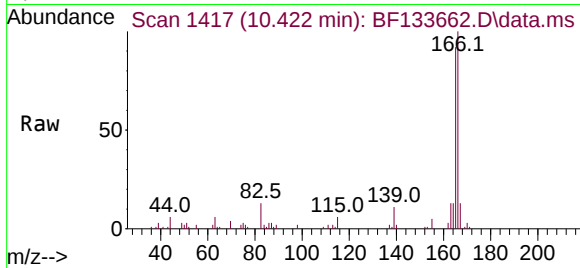
#58
Fluorene
Concen: 2.011 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Instrument :
BNA_F
ClientSampleId :
SB02DL

Tgt Ion:166 Resp: 17192
Ion Ratio Lower Upper
166 100
165 91.5 73.4 110.0
167 13.4 10.9 16.3

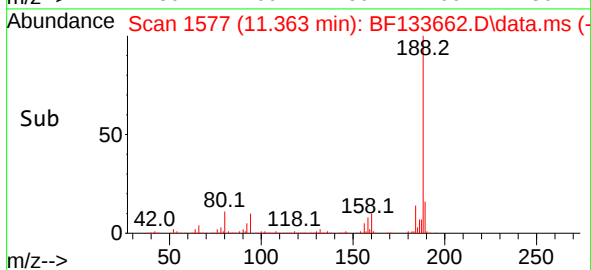
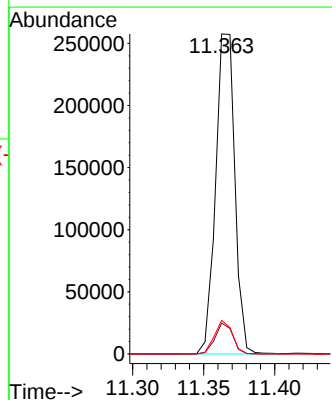
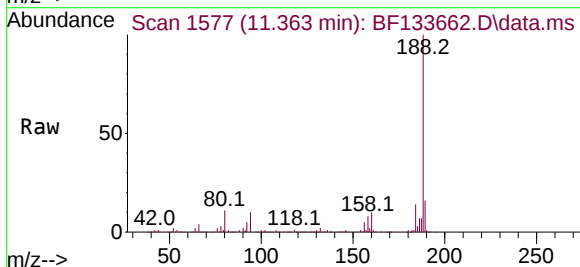
Manual Integrations
APPROVED

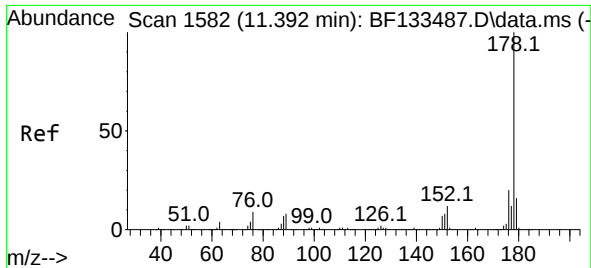
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

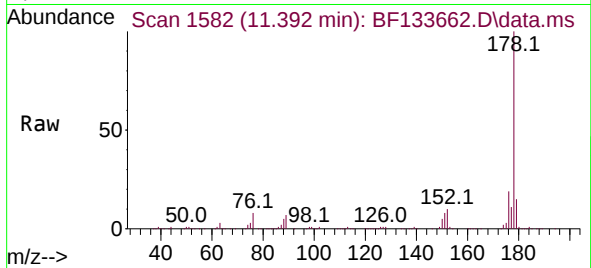
Tgt Ion:188 Resp: 242618
Ion Ratio Lower Upper
188 100
94 9.6 8.6 12.8
80 10.5 9.2 13.8





#71
Phenanthrene
Concen: 15.230 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

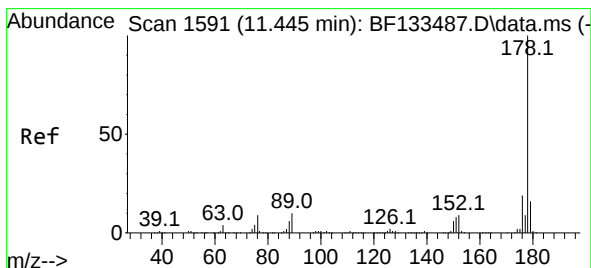
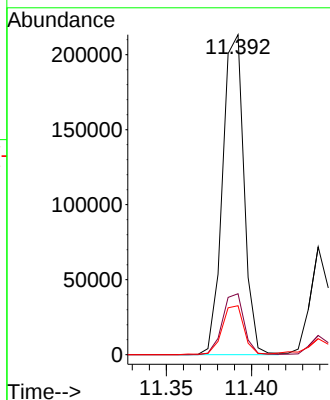
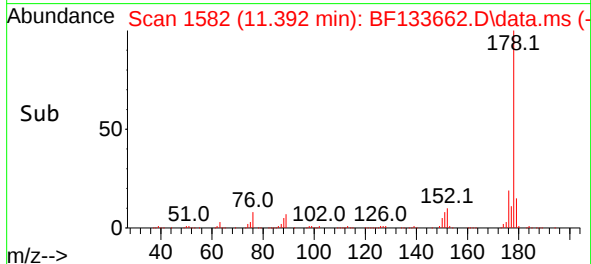
Instrument :
BNA_F
ClientSampleId :
SB02DL



Tgt Ion:178 Resp: 187154
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.3 12.4 18.6

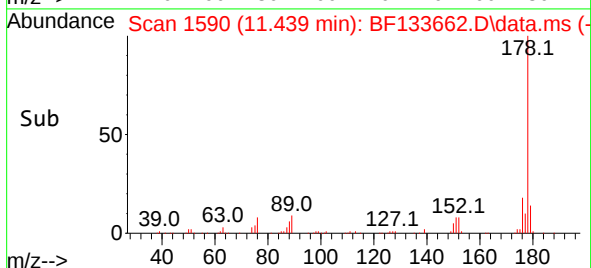
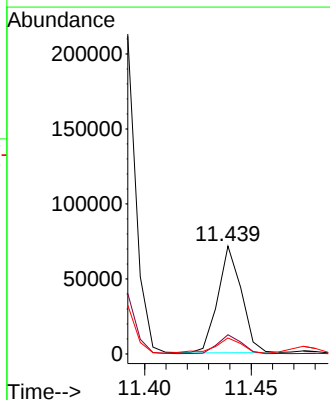
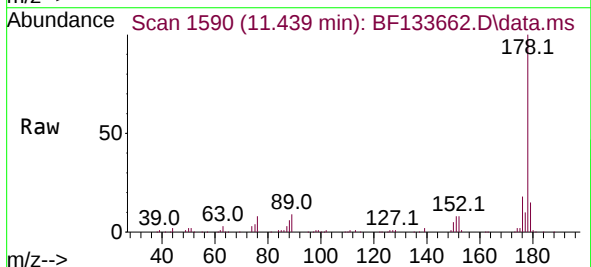
Manual Integrations
APPROVED

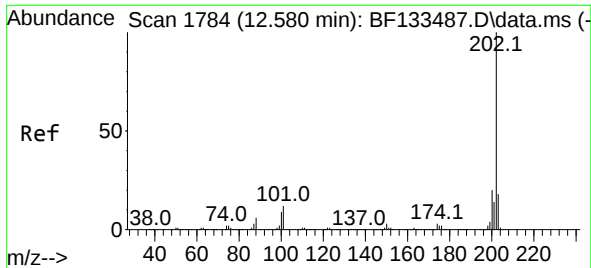
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#72
Anthracene
Concen: 4.345 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

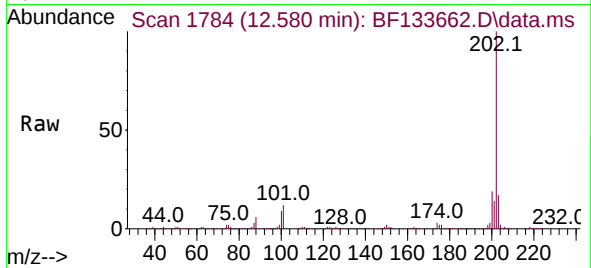
Tgt Ion:178 Resp: 54949
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 14.8 12.6 18.8





#75
Fluoranthene
Concen: 22.640 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

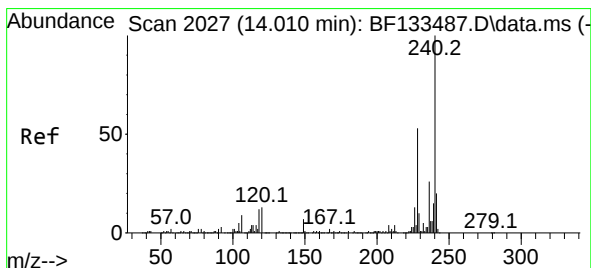
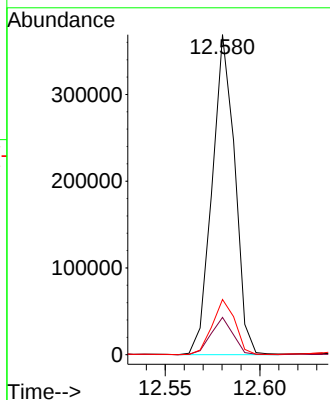
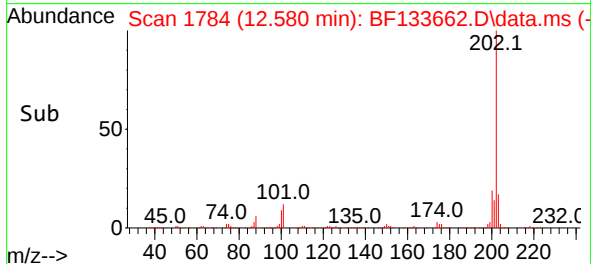
Instrument :
BNA_F
ClientSampleId :
SB02DL



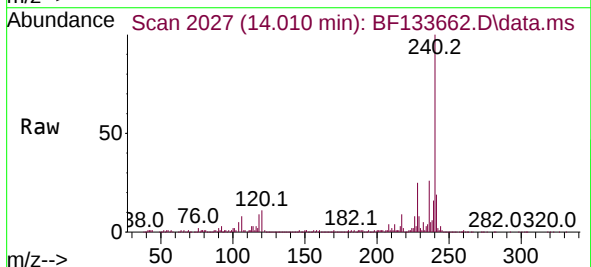
Tgt Ion:202 Resp: 307309
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.2
203 17.2 0.0 37.8

Manual Integrations
APPROVED

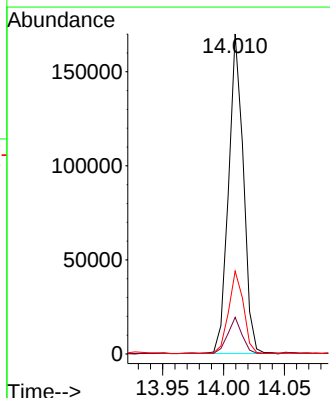
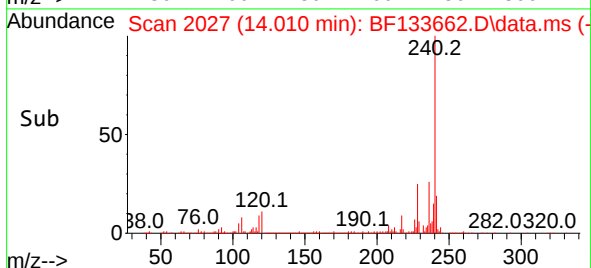
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

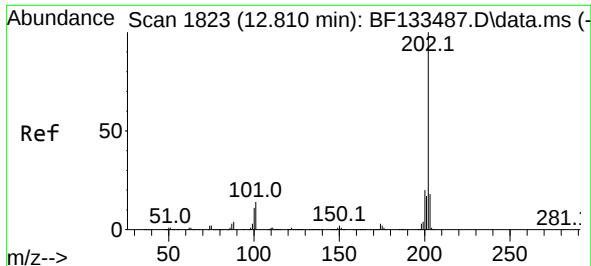


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04



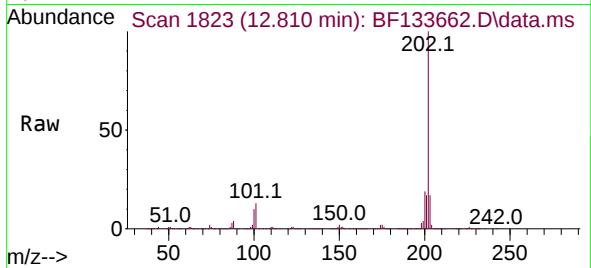
Tgt Ion:240 Resp: 143800
Ion Ratio Lower Upper
240 100
120 11.4 10.3 15.5
236 25.9 20.5 30.7





#78
Pyrene
Concen: 23.517 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

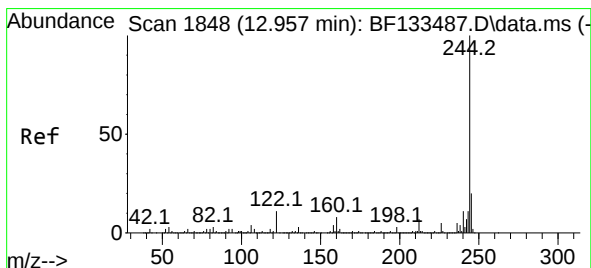
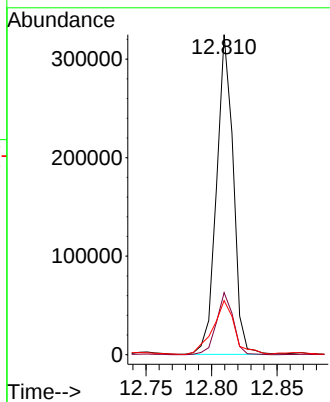
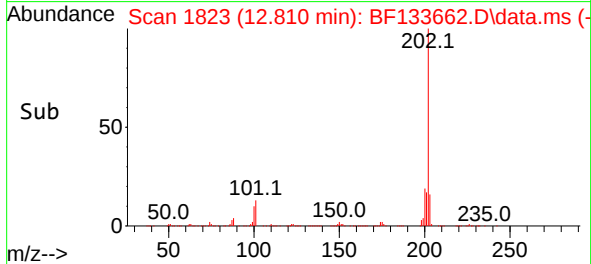
Instrument :
BNA_F
ClientSampleId :
SB02DL



Tgt Ion:202 Resp: 28776
Ion Ratio Lower Upper
202 100
200 19.4 16.3 24.5
203 16.9 14.3 21.5

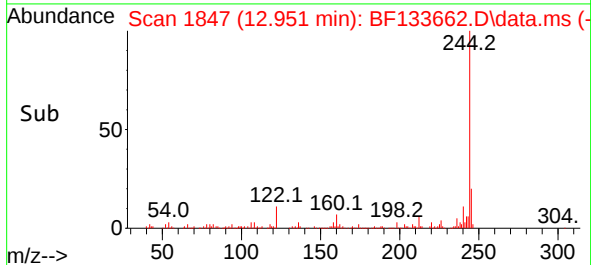
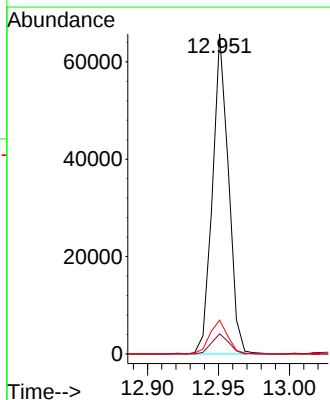
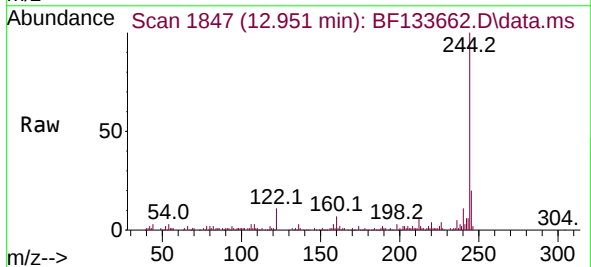
Manual Integrations
APPROVED

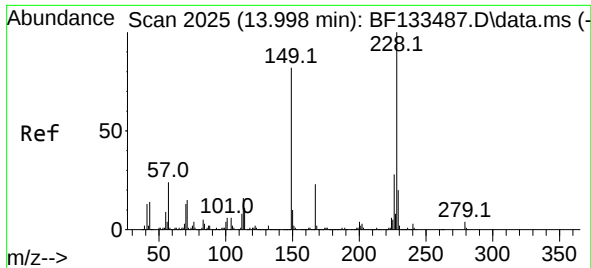
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#79
Terphenyl-d14
Concen: 6.366 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:244 Resp: 51485
Ion Ratio Lower Upper
244 100
212 6.3 5.8 8.6
122 10.6 8.5 12.7





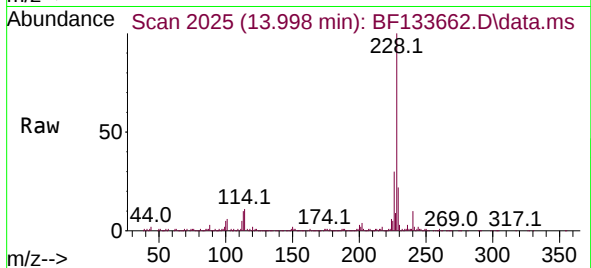
#81
Benzo(a)anthracene
Concen: 16.154 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

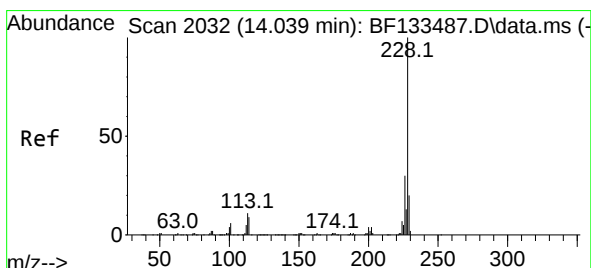
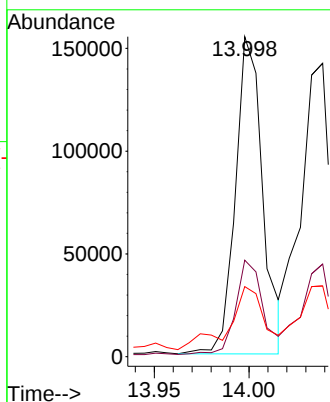
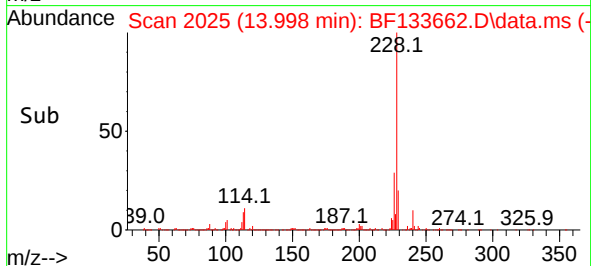


Tgt Ion:228 Resp: 154749
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 21.9 16.1 24.1

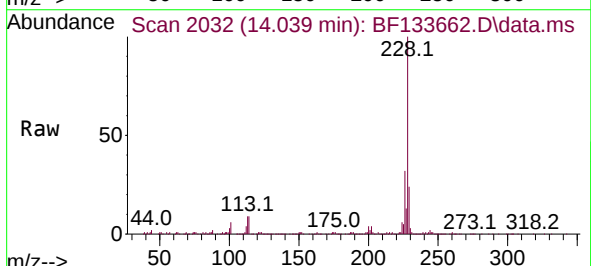
Manual Integrations

APPROVED

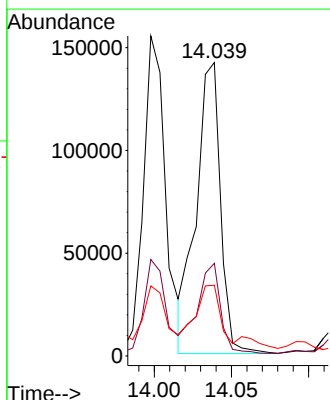
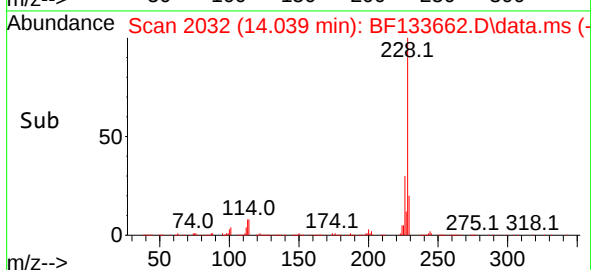
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

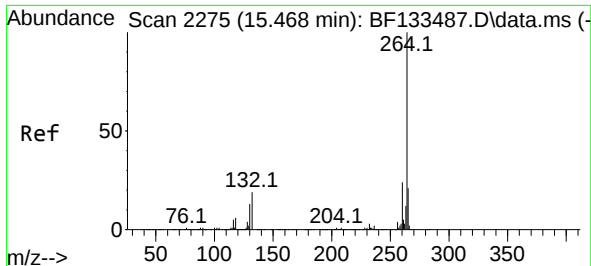


#83
Chrysene
Concen: 16.101 ng m
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04



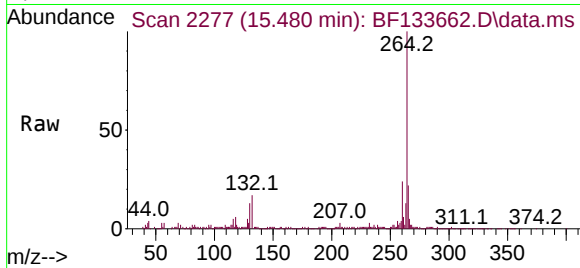
Tgt Ion:228 Resp: 155711
Ion Ratio Lower Upper
228 100
226 31.6 24.1 36.1
229 24.1 15.8 23.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

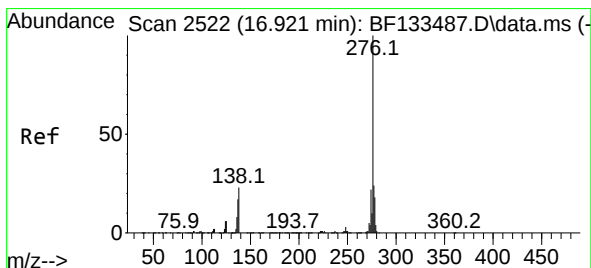
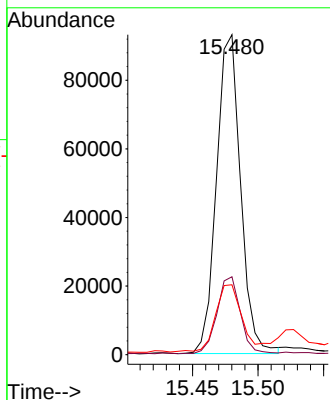
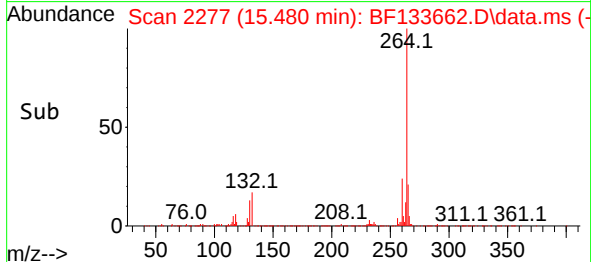
Instrument :
BNA_F
ClientSampleId :
SB02DL



Tgt Ion:264 Resp: 118654
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.8 16.8 25.2

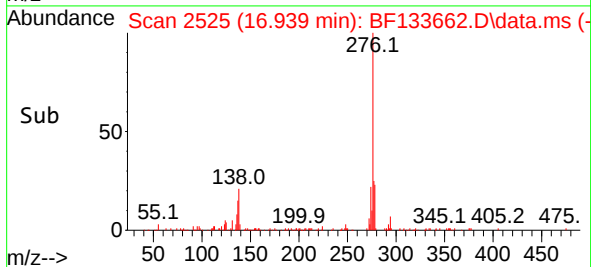
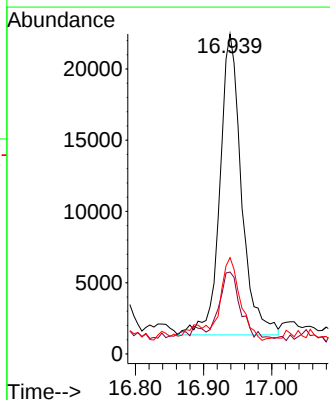
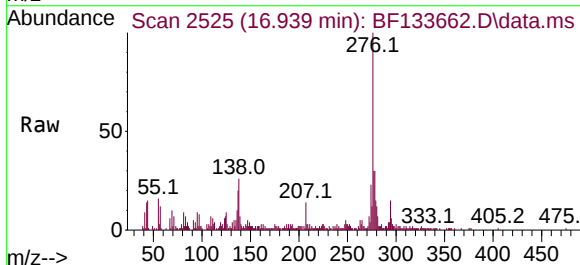
Manual Integrations
APPROVED

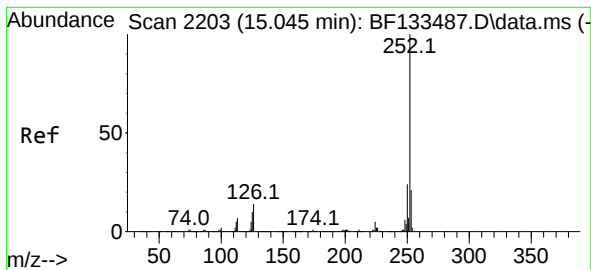
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.178 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:276 Resp: 46692
Ion Ratio Lower Upper
276 100
138 21.9 21.4 32.2
277 24.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 15.803 ng m

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

Tgt Ion:252 Resp: 12210

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

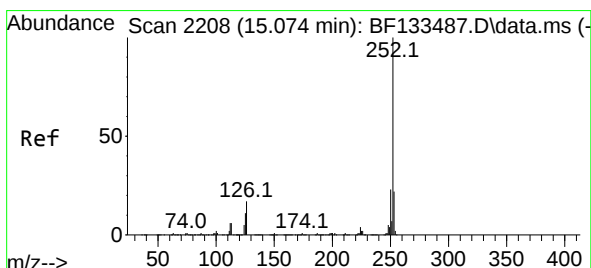
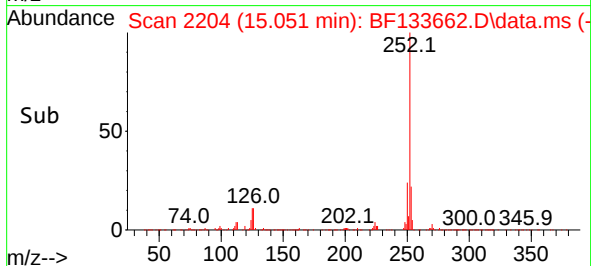
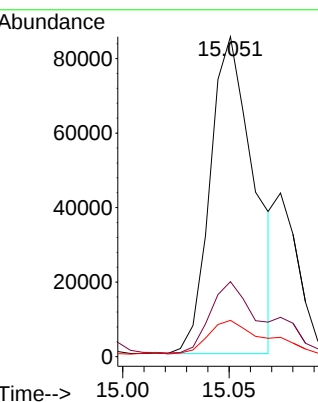
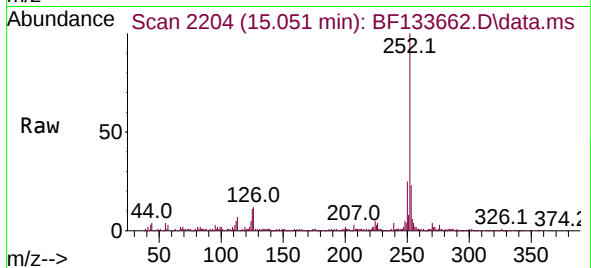
125 11.4 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#89

Benzo(k)fluoranthene

Concen: 4.379 ng m

RT: 15.074 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

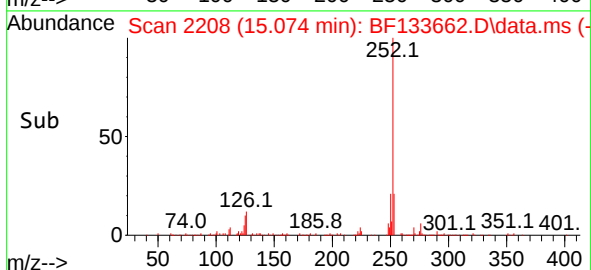
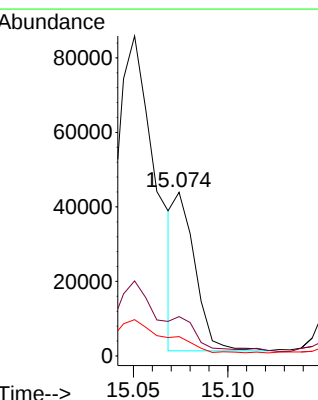
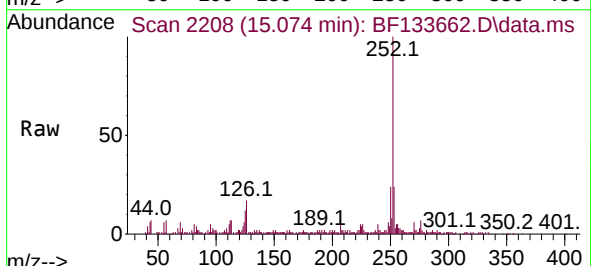
Tgt Ion:252 Resp: 32992

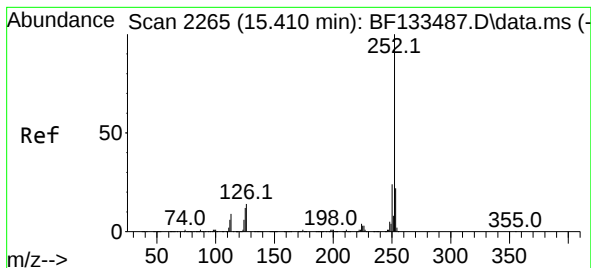
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

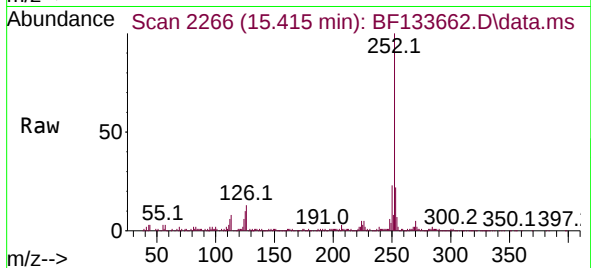
125 11.9 8.3 12.5





#90
Benzo(a)pyrene
Concen: 16.747 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

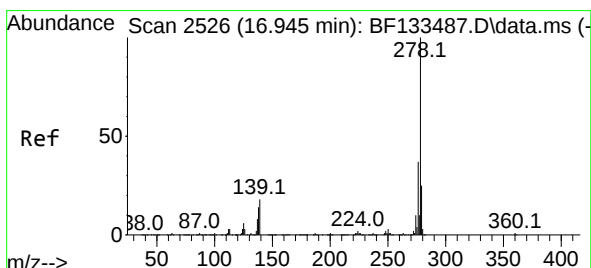
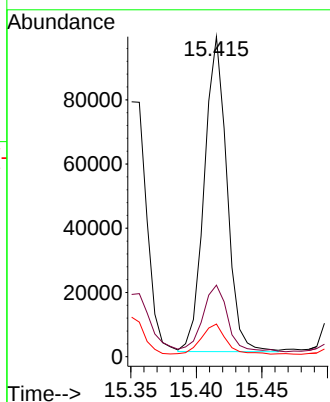
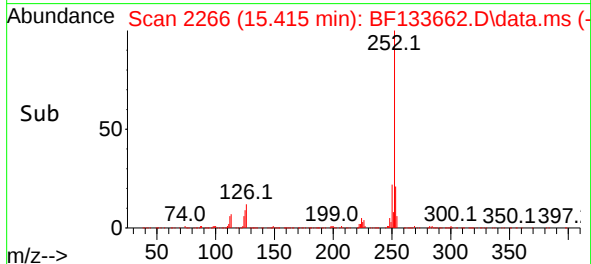
Instrument :
BNA_F
ClientSampleId :
SB02DL



Tgt Ion:252 Resp: 117740
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.2 9.4 14.0

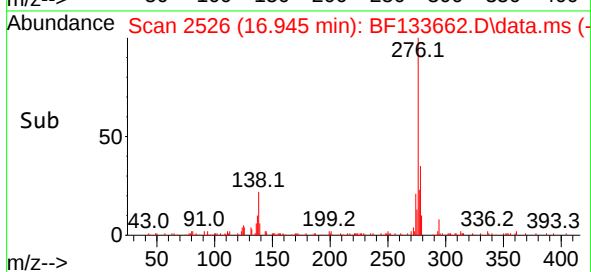
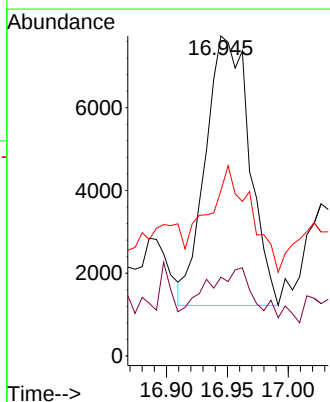
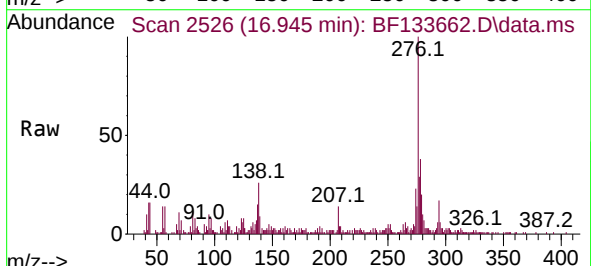
Manual Integrations
APPROVED

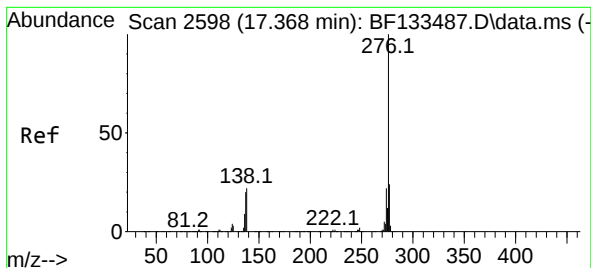
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.657 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.024 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

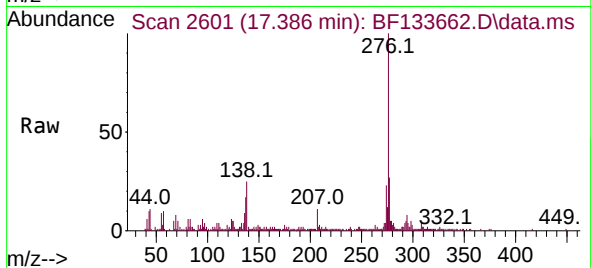
Tgt Ion:278 Resp: 16283
Ion Ratio Lower Upper
278 100
139 24.6 14.1 21.1#
279 51.7 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 11.322 ng
 RT: 17.386 min Scan# 201
 Delta R.T. -0.006 min
 Lab File: BF133662.D
 Acq: 09 Jun 2023 03:04

Instrument :
 BNA_F
 ClientSampleId :
 SB02DL



Tgt Ion:276 Resp: 69960
 Ion Ratio Lower Upper
 276 100
 277 27.3 18.8 28.2
 138 24.9 17.8 26.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

