

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133558.D
 Acq On : 02 Jun 2023 12:53
 Operator : CG\JU
 Sample : 02985-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLYMOUTH-ENG-001

Manual Integrations
 APPROVED

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

Quant Time: Jun 02 13:24:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	122395	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	470138	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	226006	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	421033	20.000	ng	0.00
76) Chrysene-d12	13.998	240	243122	20.000	ng	0.00
86) Perylene-d12	15.457	264	264276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	513232	69.963	ng	0.00
7) Phenol-d6	6.451	99	633975	70.204	ng	-0.01
23) Nitrobenzene-d5	7.392	82	403328	57.280	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	150147	66.647	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	810503	55.351	ng	0.00
79) Terphenyl-d14	12.945	244	750392	54.877	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	78005	3.658	ng	98
75) Fluoranthene	12.569	202	161636	6.862	ng	99
78) Pyrene	12.798	202	144202	6.970	ng	97
81) Benzo(a)anthracene	13.986	228	68615	4.237	ng	94
83) Chrysene	14.021	228	61441	3.758	ng	97
88) Benzo(b)fluoranthene	15.027	252	70499m	4.097	ng	
90) Benzo(a)pyrene	15.392	252	51669	3.300	ng	# 94

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

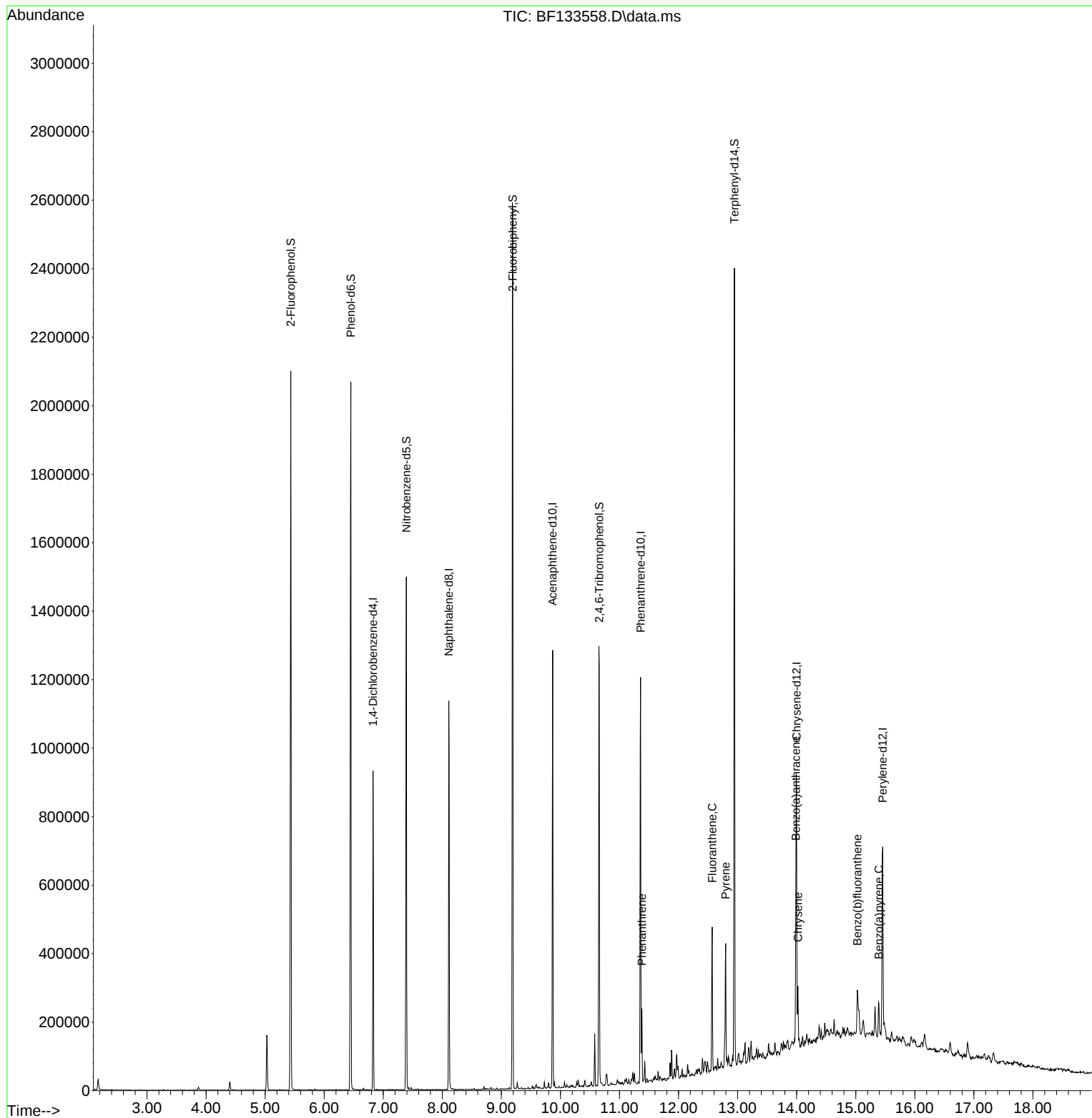
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
Data File : BF133558.D
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ALS Vial : 4 Sample Multiplier: 1

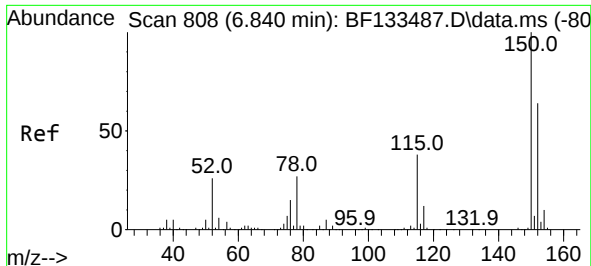
Instrument :
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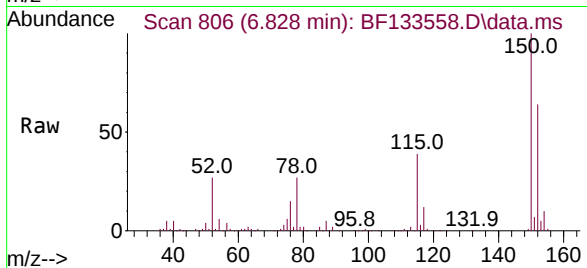
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

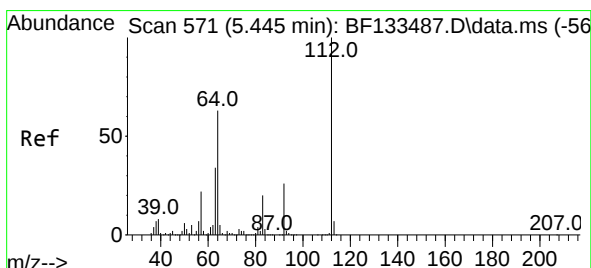
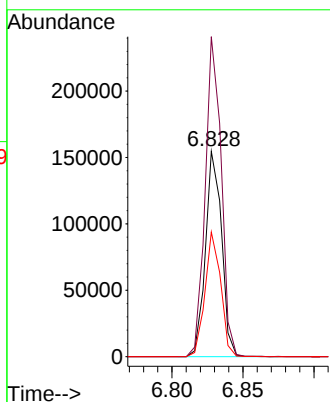
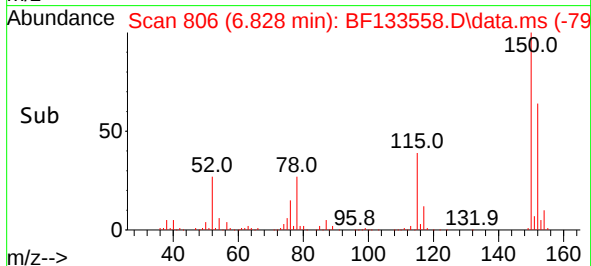
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001



Tgt Ion:152 Resp: 122395
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 60.7 48.1 72.1

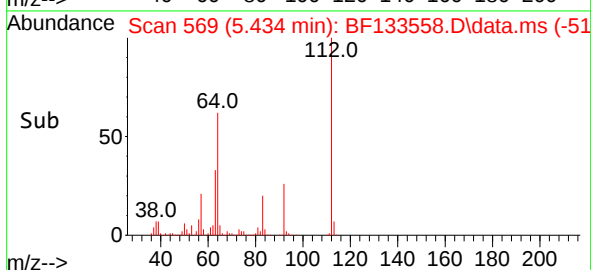
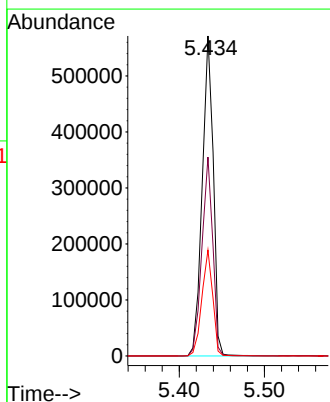
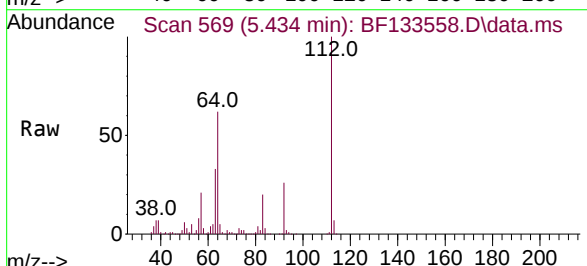
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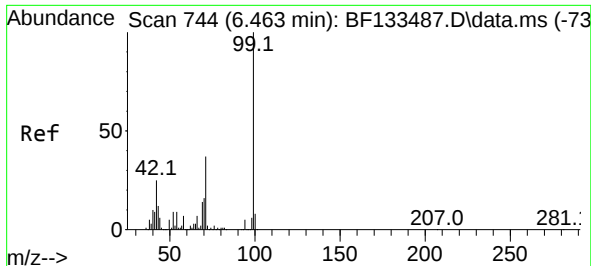
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 69.963 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

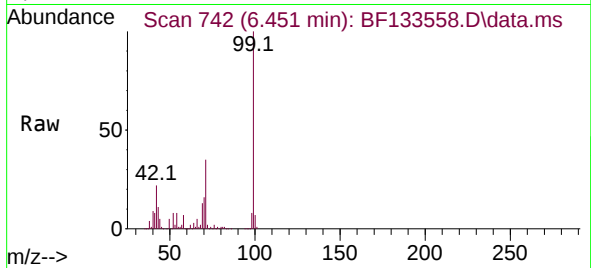
Tgt Ion:112 Resp: 513232
Ion Ratio Lower Upper
112 100
64 62.2 50.1 75.1
63 33.1 27.5 41.3





#7
Phenol-d6
Concen: 70.204 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

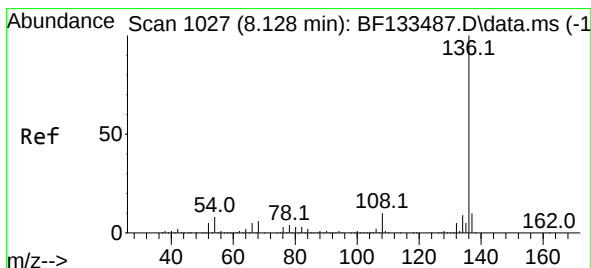
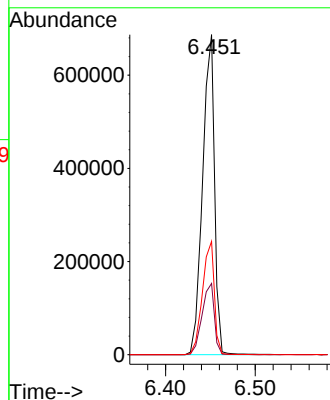
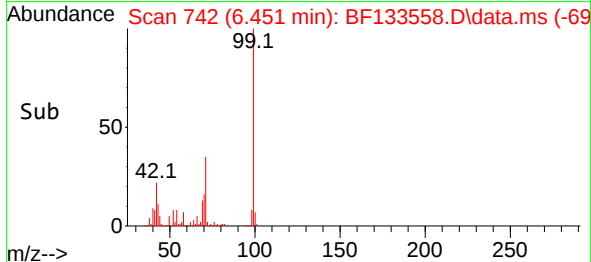
Instrument :
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Tgt Ion: 99 Resp: 63397
Ion Ratio Lower Upper
99 100
42 22.2 19.7 29.5
71 35.4 29.8 44.8

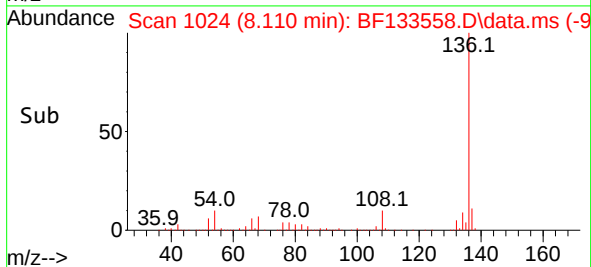
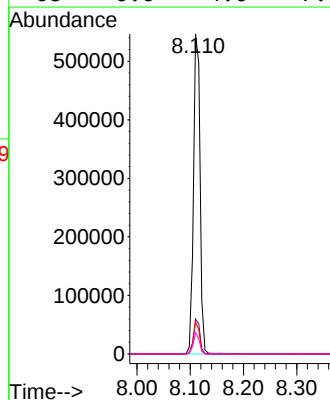
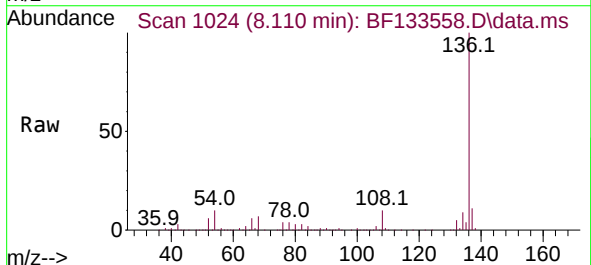
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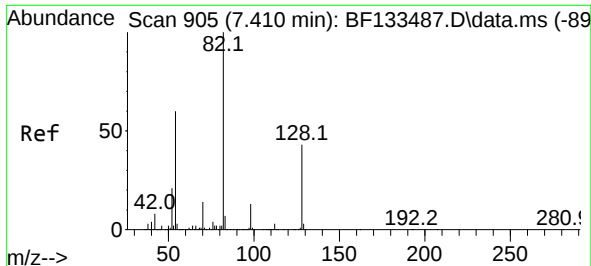
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Tgt Ion:136 Resp: 470138
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 10.0 6.6 10.0#
68 6.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 57.280 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133558.D

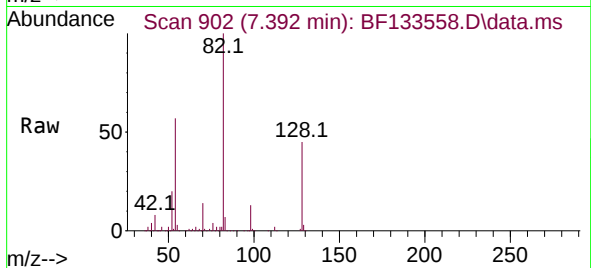
Acq: 02 Jun 2023 12:53

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001



Tgt Ion: 82 Resp: 403328

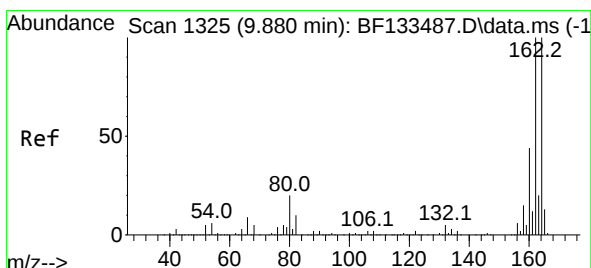
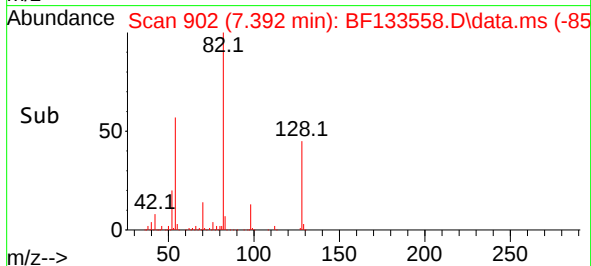
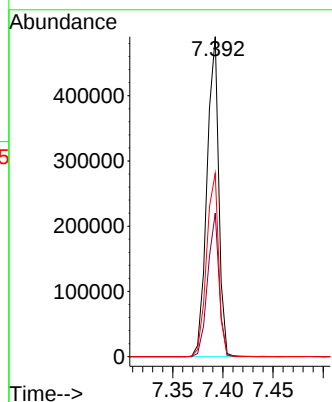
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.2	51.4
54	57.3	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

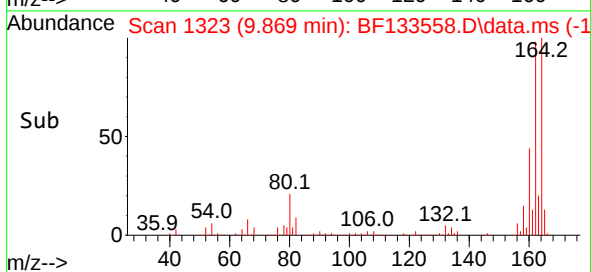
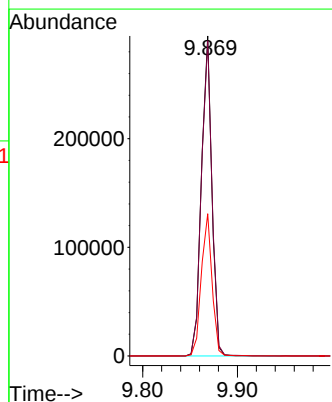
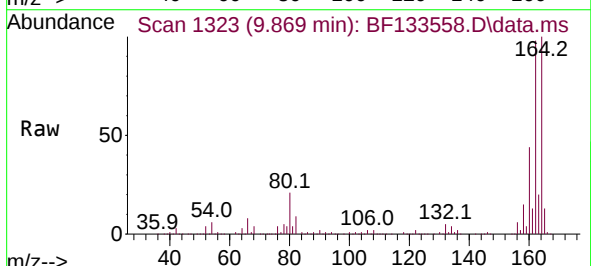
Delta R.T. -0.006 min

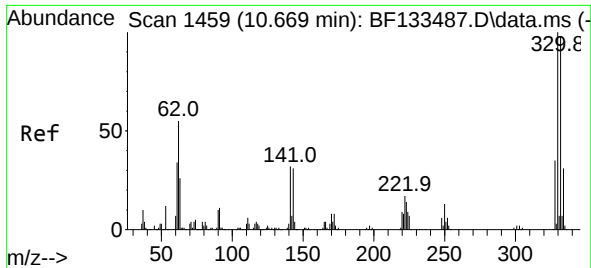
Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Tgt Ion:164 Resp: 226006

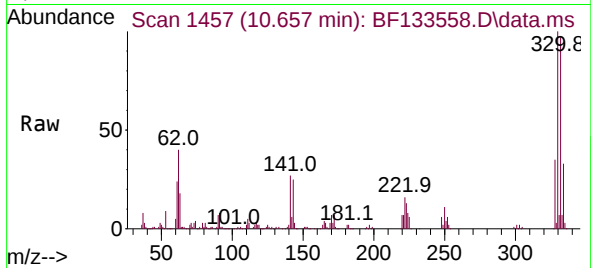
Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.7	119.5
160	44.5	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 66.647 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

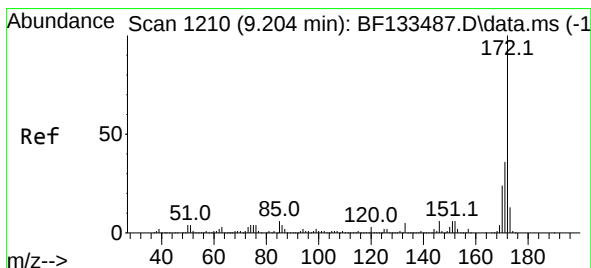
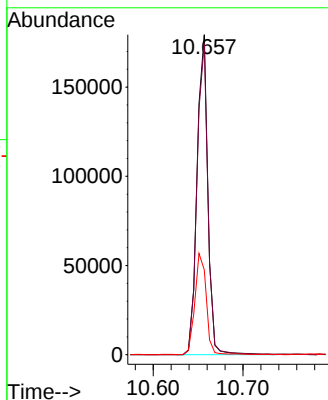
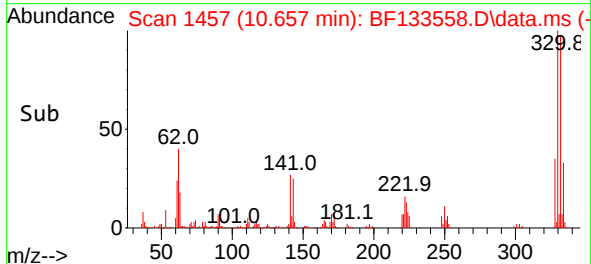
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001



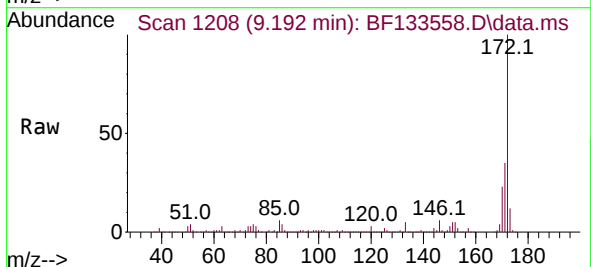
Tgt Ion: 330 Resp: 150147
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.6
141 33.5 26.6 40.0

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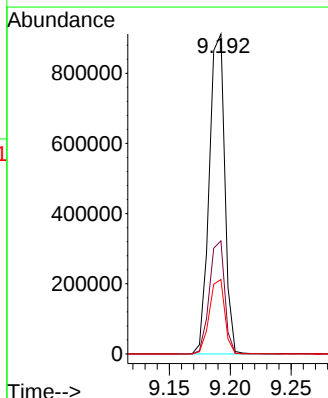
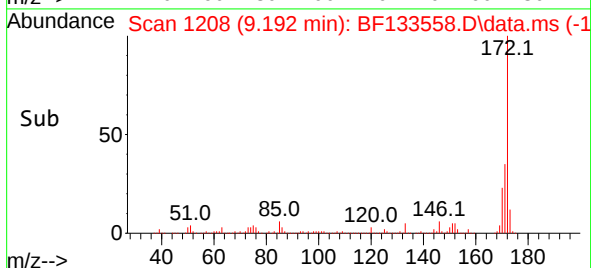
Reviewed By : Yogesh Patel 06/06/2023
Supervised By : mohammad ahmed 06/08/2023

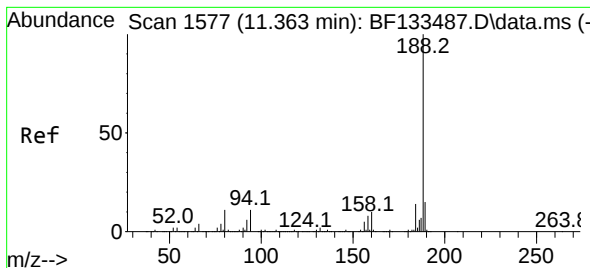


#45
2-Fluorobiphenyl
Concen: 55.351 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53



Tgt Ion: 172 Resp: 810503
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.3 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-ENG-001

Tgt Ion:188 Resp: 42103

Ion Ratio Lower Upper

188 100

94 9.0 8.6 12.8

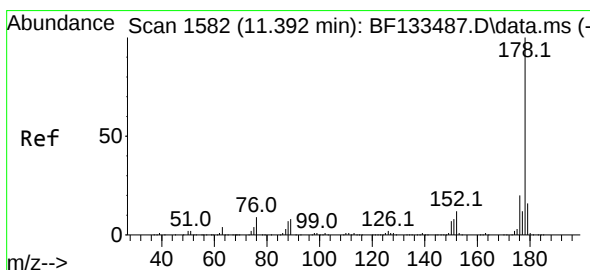
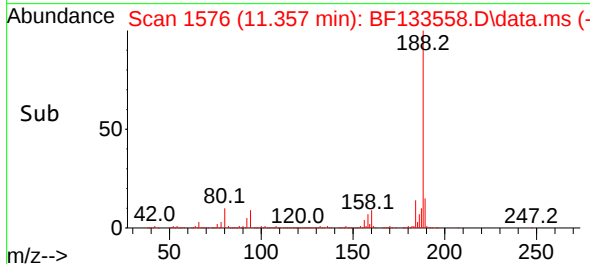
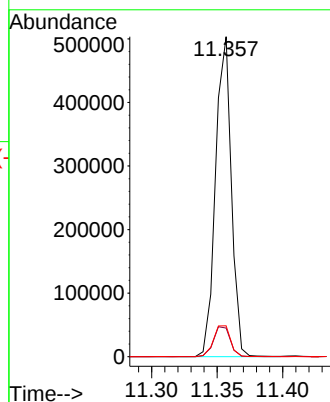
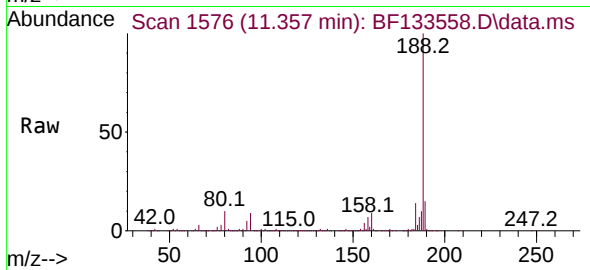
80 9.7 9.2 13.8

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 3.658 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF133558.D

Acq: 02 Jun 2023 12:53

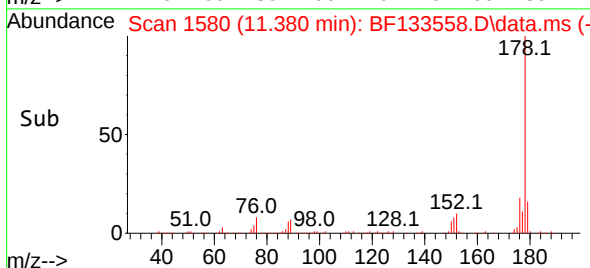
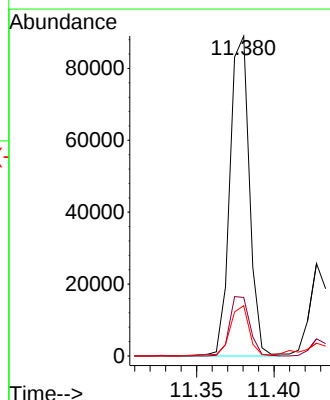
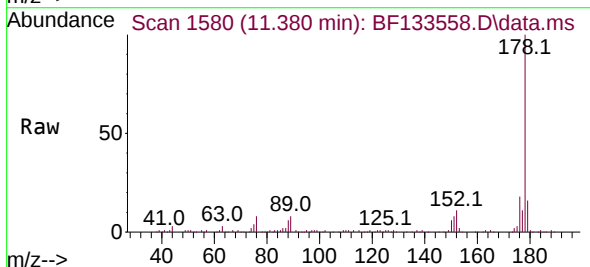
Tgt Ion:178 Resp: 78005

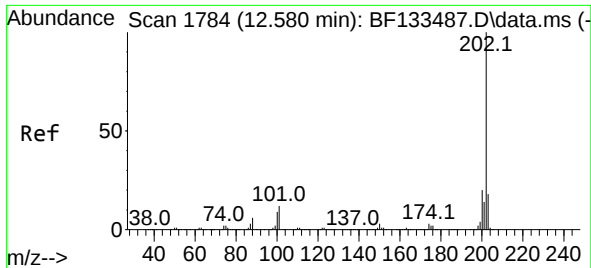
Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

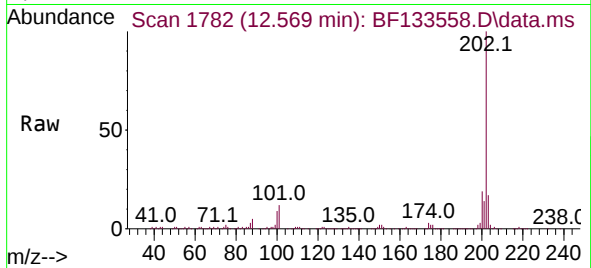
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 6.862 ng
RT: 12.569 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

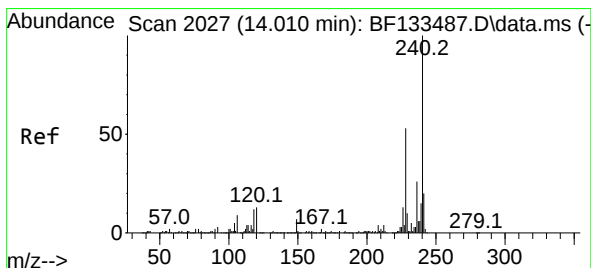
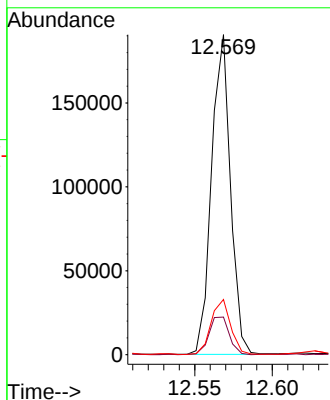
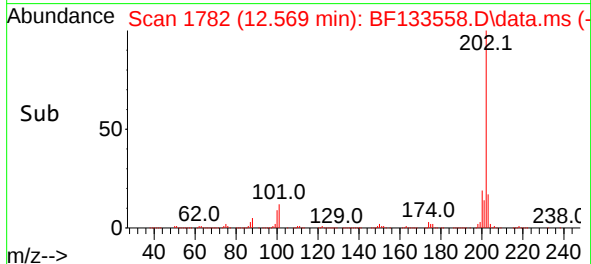
Instrument :
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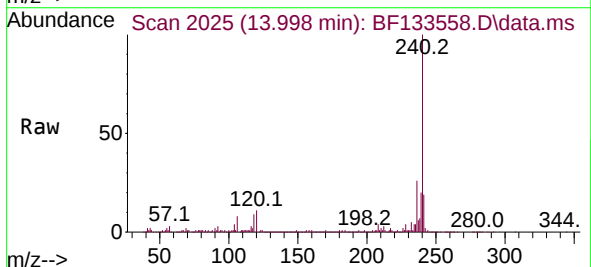
Tgt Ion:202 Resp: 161630
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.2
203 17.3 0.0 37.8

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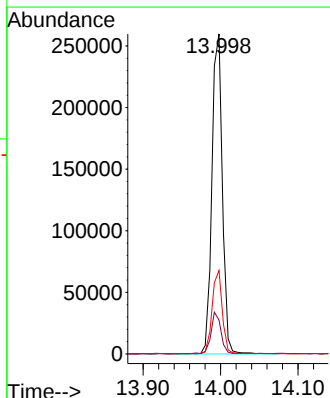
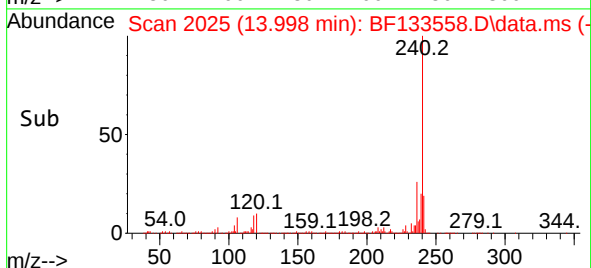
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023

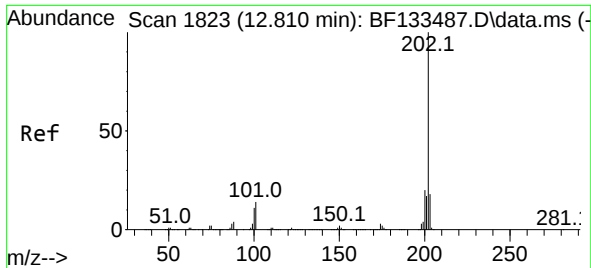


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53



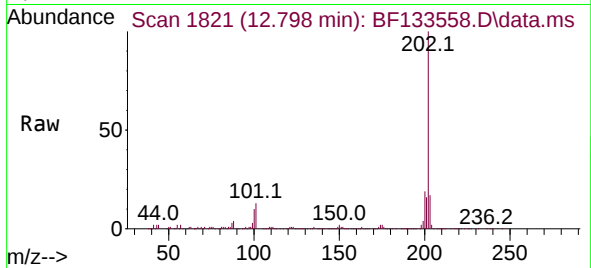
Tgt Ion:240 Resp: 243122
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 26.1 20.5 30.7





#78
Pyrene
Concen: 6.970 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

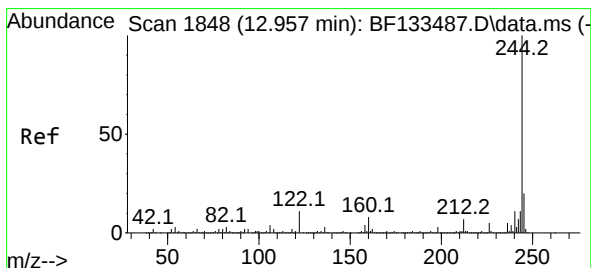
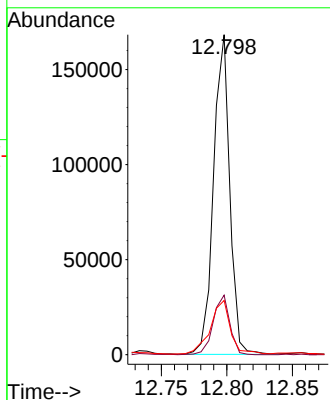
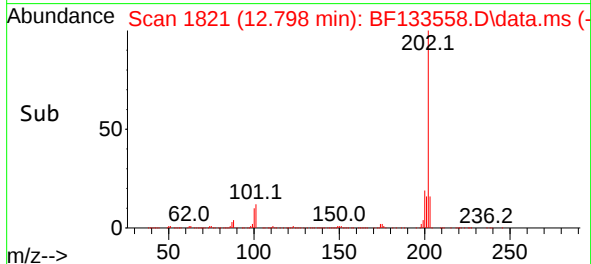
Instrument :
BNA_F
ClientSampleId :
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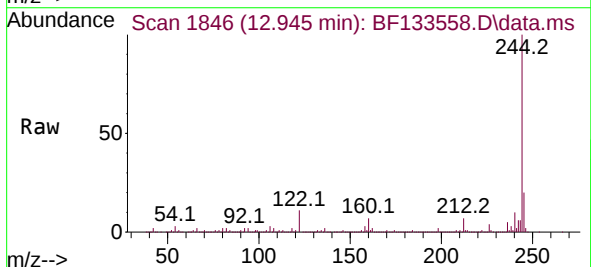
Tgt Ion:202 Resp: 14420
Ion Ratio Lower Upper
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200 18.6 16.3 24.5
203 17.0 14.3 21.5

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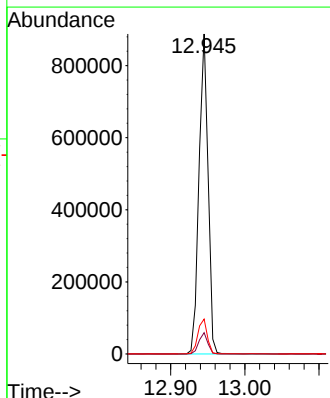
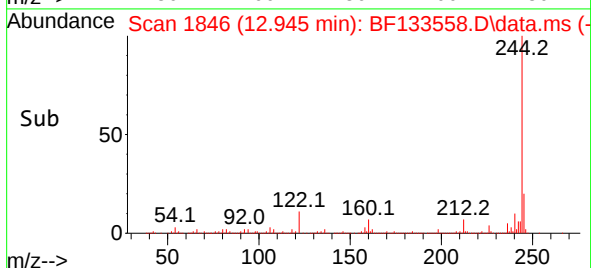
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023

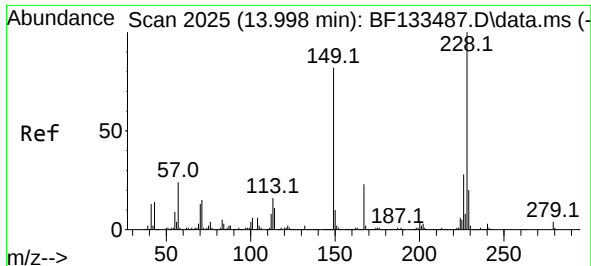


#79
Terphenyl-d14
Concen: 54.877 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53



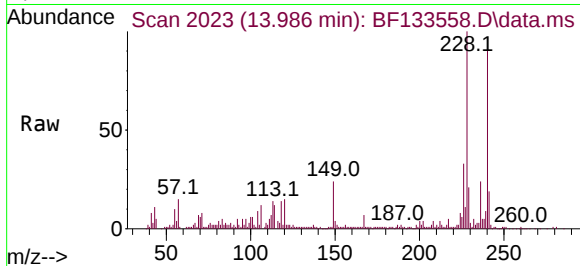
Tgt Ion:244 Resp: 750392
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 10.9 8.5 12.7





#81
Benzo(a)anthracene
Concen: 4.237 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

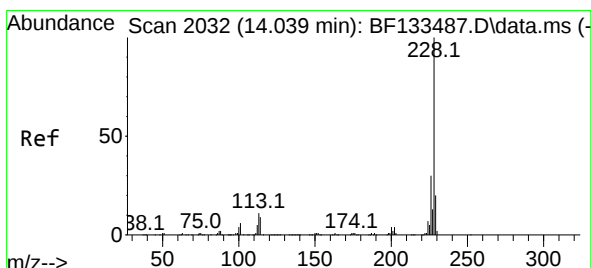
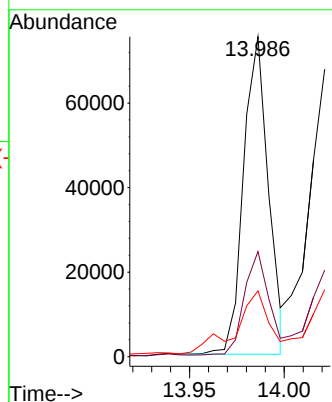
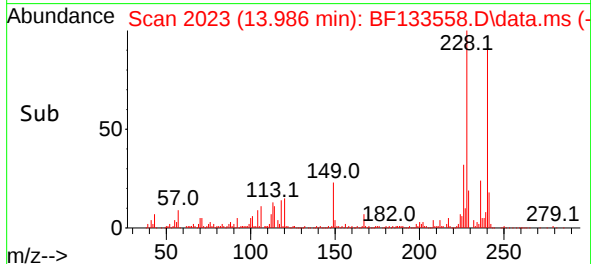
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001



Tgt Ion:228 Resp: 6861
Ion Ratio Lower Upper
228 100
226 32.9 22.3 33.5
229 20.5 16.1 24.1

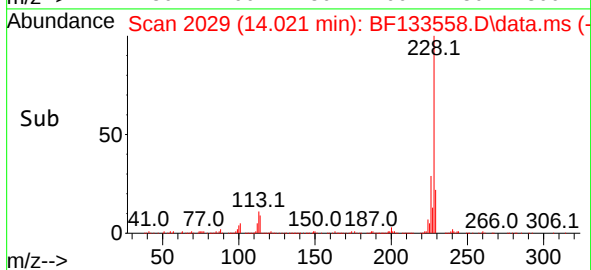
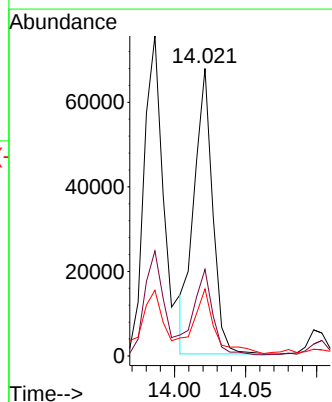
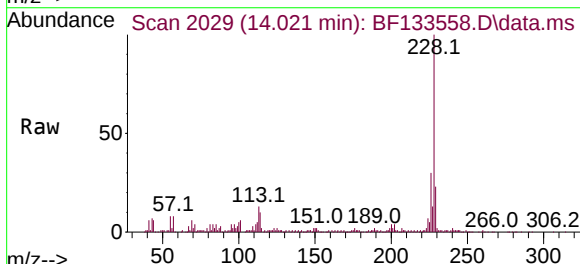
Manual Integrations
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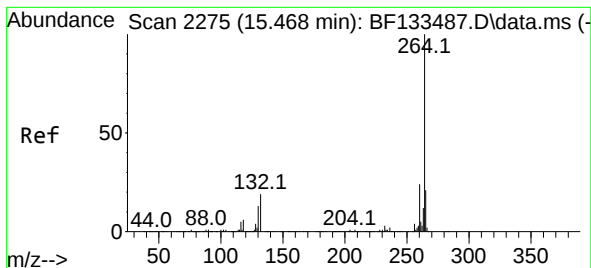
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 3.758 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

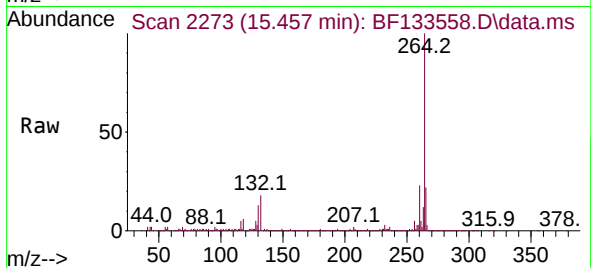
Tgt Ion:228 Resp: 61441
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 23.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

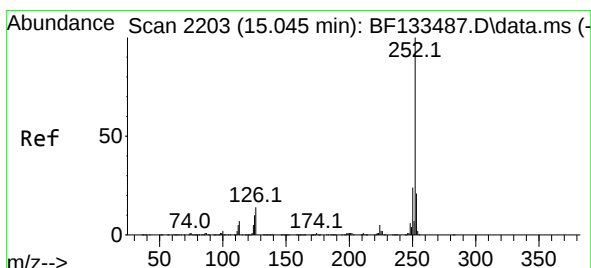
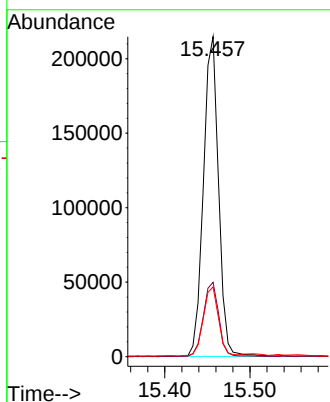
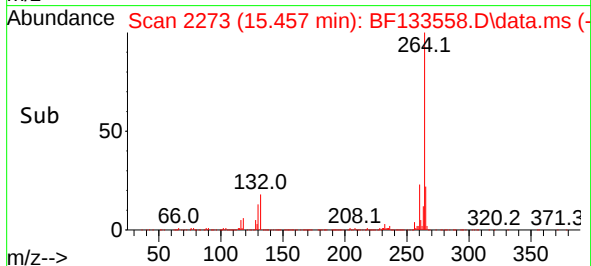
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001



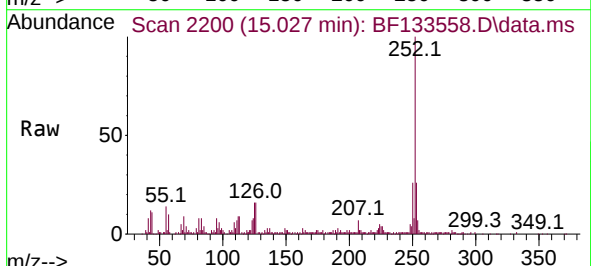
Tgt Ion:264 Resp: 264270
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 21.8 16.8 25.2

Manual Integrations
APPROVED

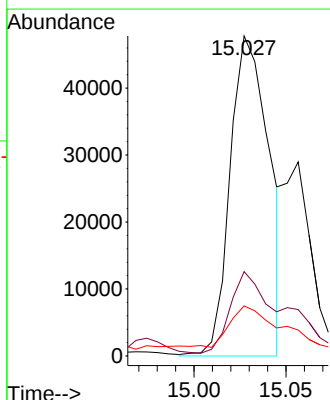
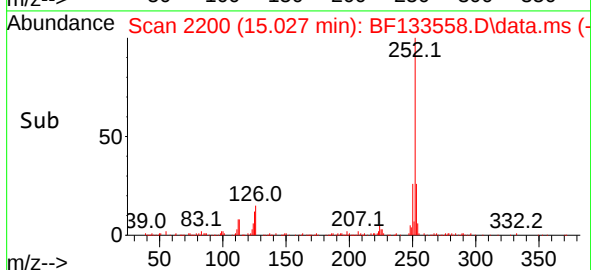
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023

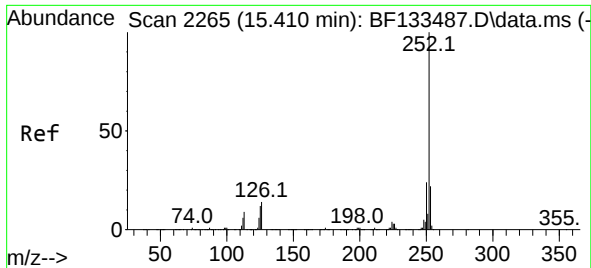


#88
Benzo(b)fluoranthene
Concen: 4.097 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53



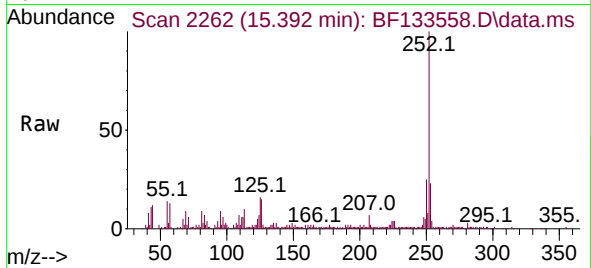
Tgt Ion:252 Resp: 70499
Ion Ratio Lower Upper
252 100
253 26.4 17.2 25.8#
125 15.7 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 3.300 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133558.D
Acq: 02 Jun 2023 12:53

Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-ENG-001



Tgt Ion:252 Resp: 51669
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 15.7 9.4 14.0

Manual Integrations
APPROVED

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

