

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
 Data File : BF133559.D
 Acq On : 02 Jun 2023 13:24
 Operator : CG\JU
 Sample : 02985-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLYMOUTH-XRDS-001

Manual Integrations
 APPROVED

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

Quant Time: Jun 02 14:50:33 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	128996	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	494557	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	240438	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	442929	20.000	ng	0.00
76) Chrysene-d12	13.998	240	258473	20.000	ng	0.00
86) Perylene-d12	15.457	264	274212	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	968028	125.207	ng	0.00
7) Phenol-d6	6.457	99	1182299	124.224	ng	0.00
23) Nitrobenzene-d5	7.398	82	757836	102.313	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	318723	132.983	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1343933	86.271	ng	0.00
79) Terphenyl-d14	12.951	244	1283664	88.301	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.380	178	99164	4.420	ng	97
75) Fluoranthene	12.568	202	134476	5.427	ng	98
78) Pyrene	12.798	202	126230	5.739	ng	97
81) Benzo(a)anthracene	13.986	228	56225	3.265	ng	99
83) Chrysene	14.021	228	52867	3.041	ng	98
88) Benzo(b)fluoranthene	15.027	252	68445m	3.833	ng	
90) Benzo(a)pyrene	15.392	252	50988	3.138	ng	100

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

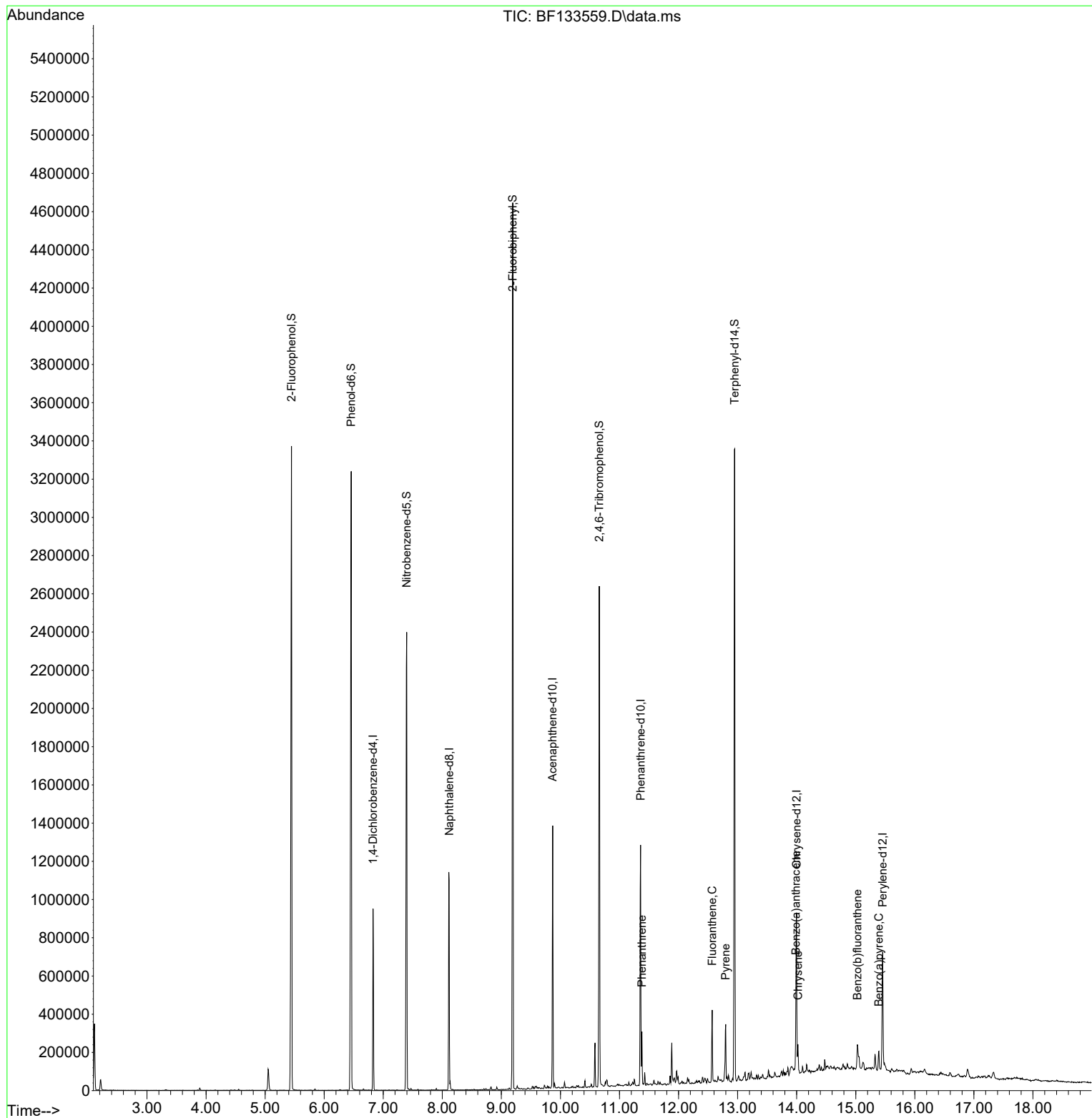
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060223\
Data File : BF133559.D
Acq On : 02 Jun 2023 13:24
Operator : CG\JU
Sample : 02985-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

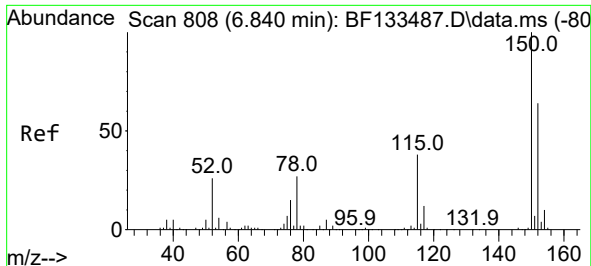
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001

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Supervised By :mohammad ahmed 06/08/2023

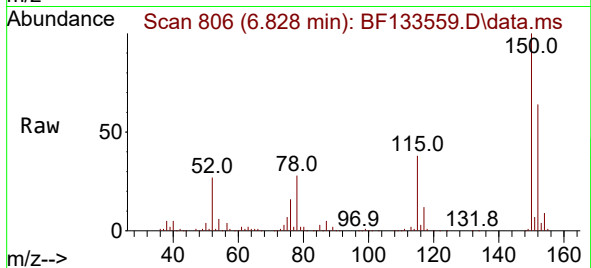
Quant Time: Jun 02 14:50:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 30 12:58:40 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

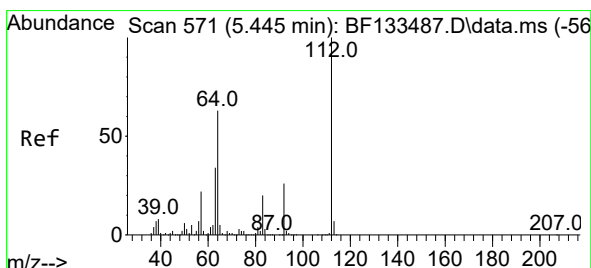
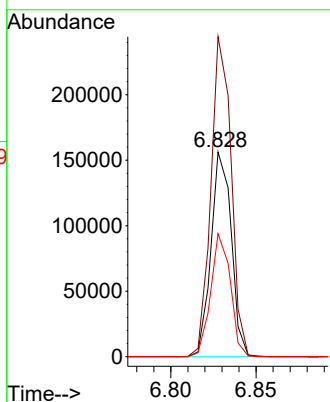
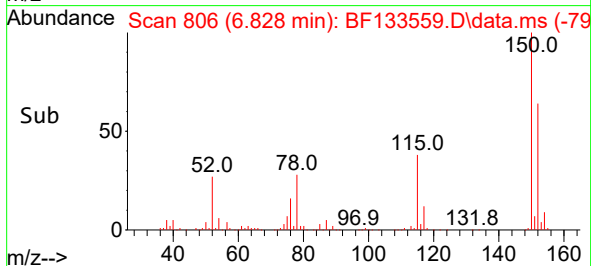
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001



Tgt Ion:152 Resp: 128990
Ion Ratio Lower Upper
152 100
150 156.3 124.9 187.3
115 60.1 48.1 72.1

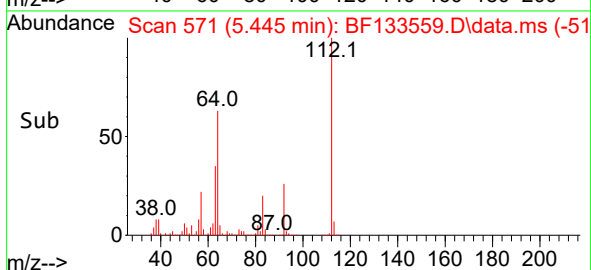
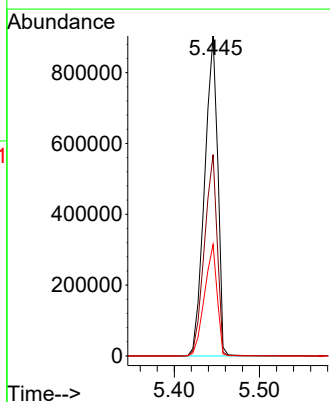
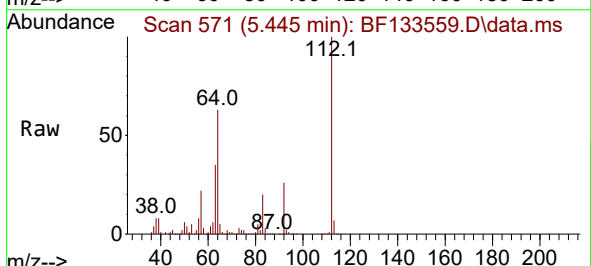
Manual Integrations
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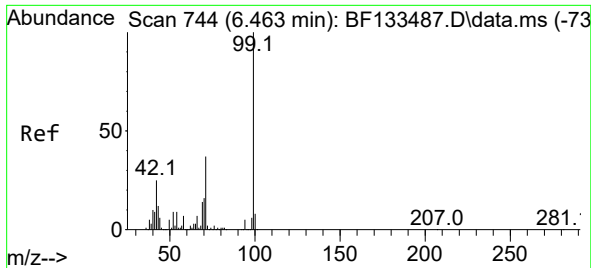
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 125.207 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

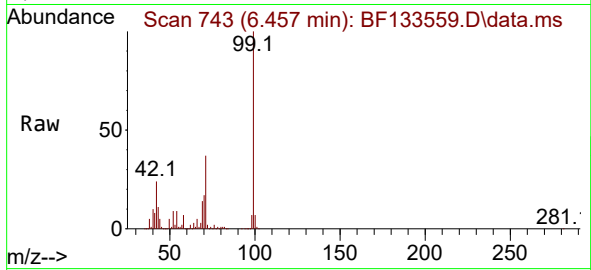
Tgt Ion:112 Resp: 968028
Ion Ratio Lower Upper
112 100
64 63.0 50.1 75.1
63 34.9 27.5 41.3





#7
Phenol-d6
Concen: 124.224 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

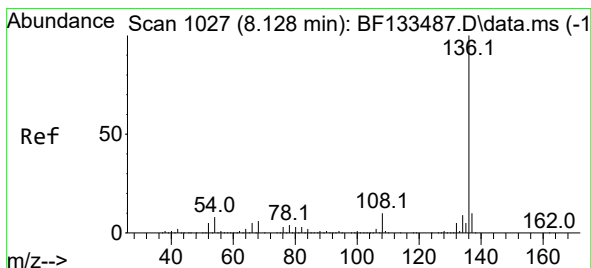
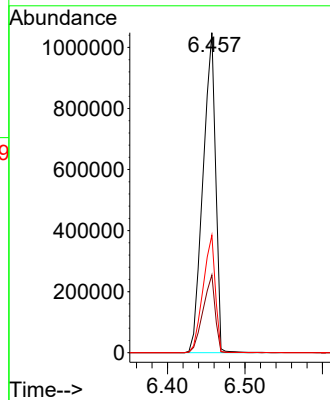
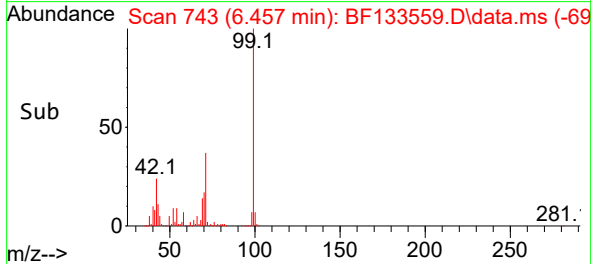
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001



Tgt Ion: 99 Resp: 1182299
Ion Ratio Lower Upper
99 100
42 24.3 19.7 29.5
71 36.7 29.8 44.8

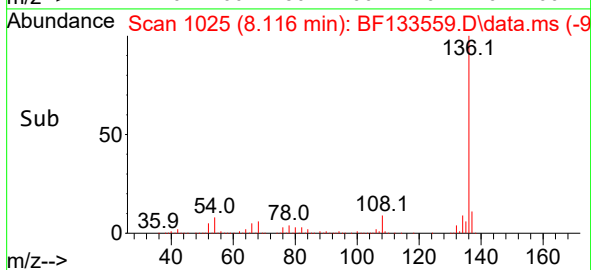
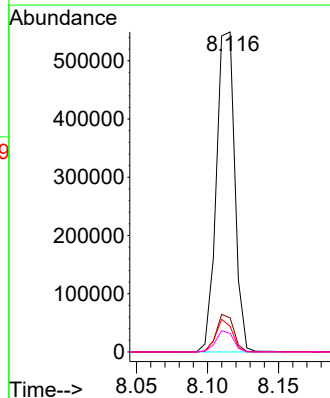
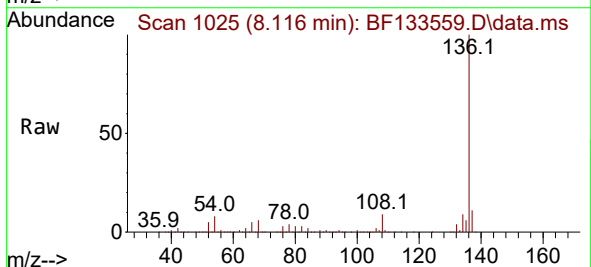
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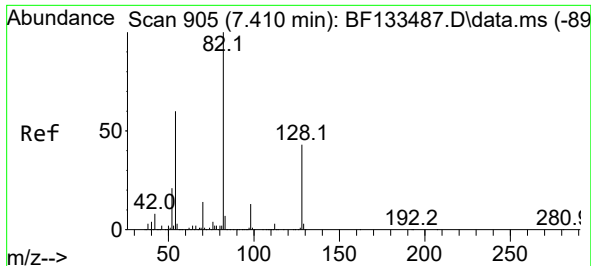
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:136 Resp: 494557
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.0 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 102.313 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133559.D

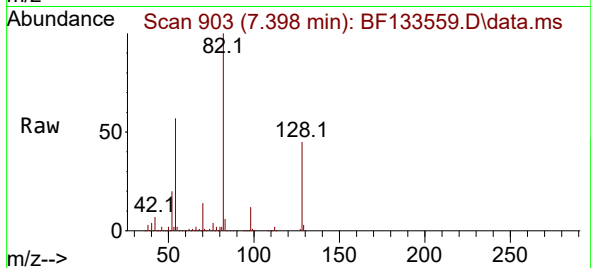
Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001



Tgt Ion: 82 Resp: 757830

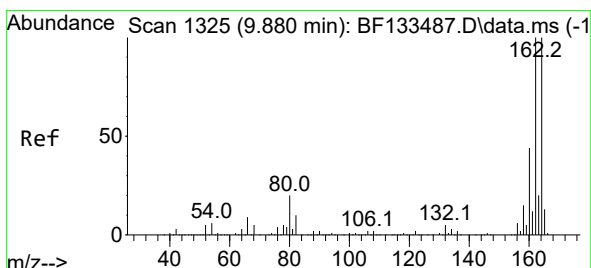
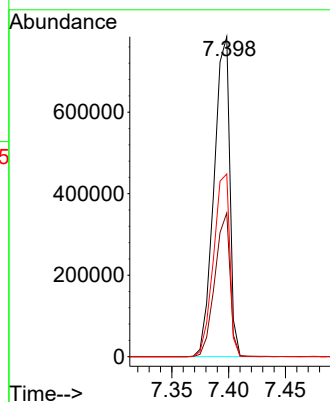
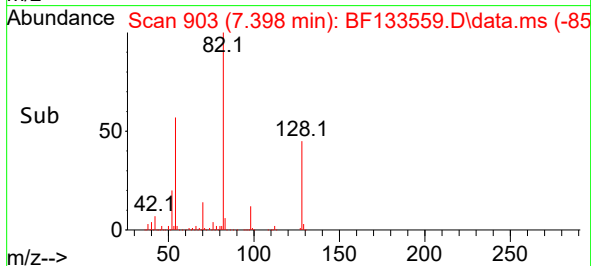
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.2	51.4
54	57.1	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

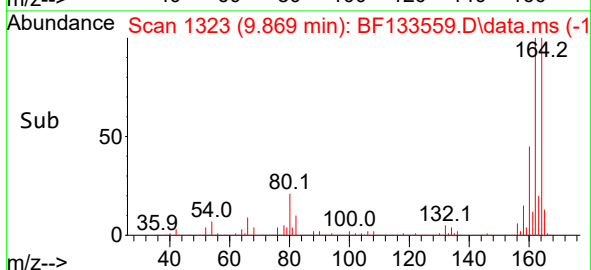
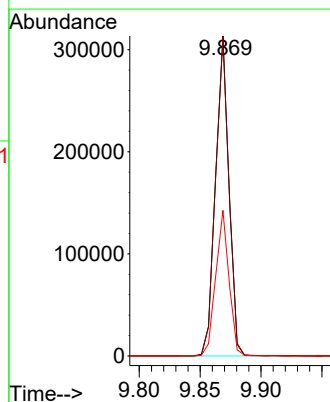
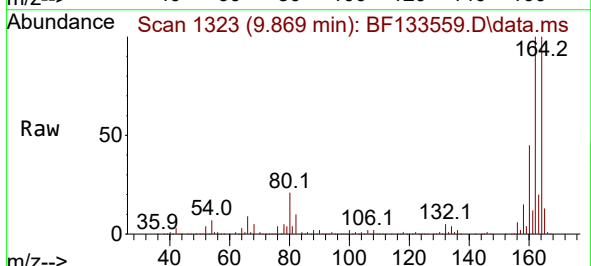
Delta R.T. -0.006 min

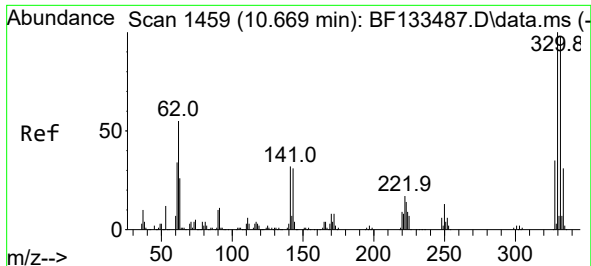
Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

Tgt Ion:164 Resp: 240438

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.7	119.5
160	45.5	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 132.983 ng

RT: 10.657 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133559.D

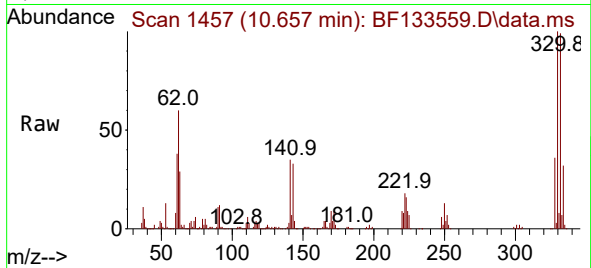
Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001



Tgt Ion: 330 Resp: 31872

Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

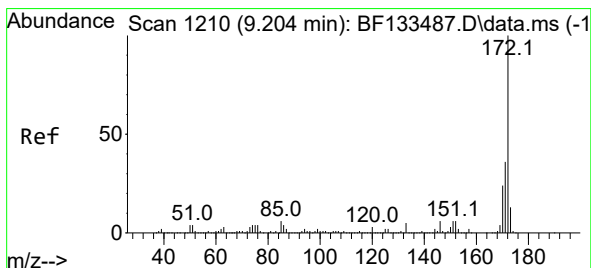
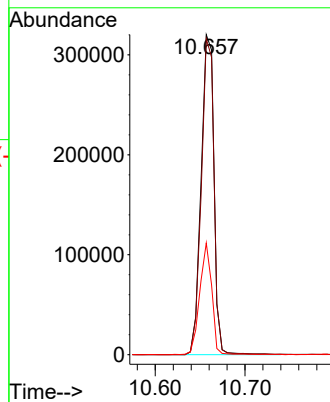
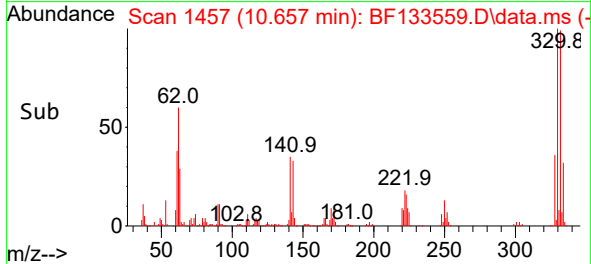
141 32.9 26.6 40.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/06/2023

Supervised By :mohammad ahmed 06/08/2023



#45

2-Fluorobiphenyl

Concen: 86.271 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

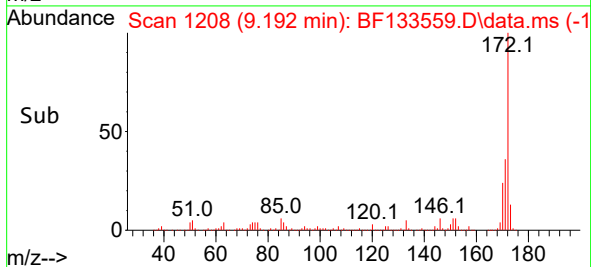
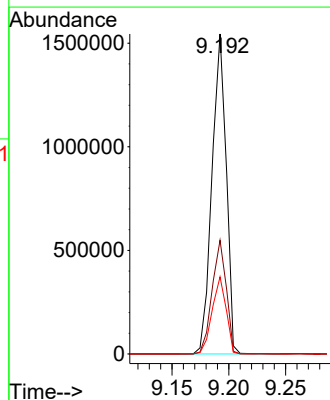
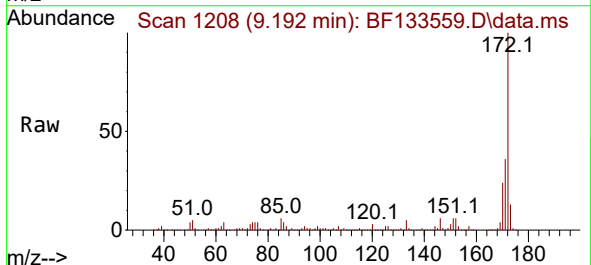
Tgt Ion: 172 Resp: 1343933

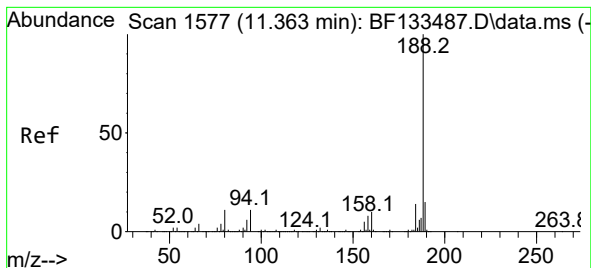
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.1 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001

Tgt Ion:188 Resp: 442929

Ion Ratio Lower Upper

188 100

94 9.1 8.6 12.8

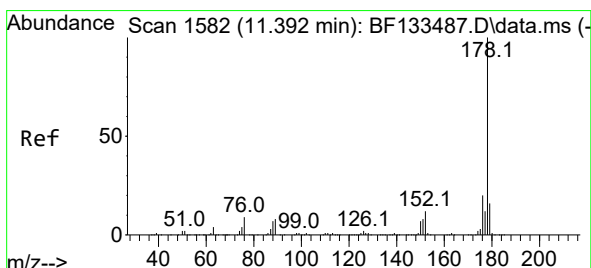
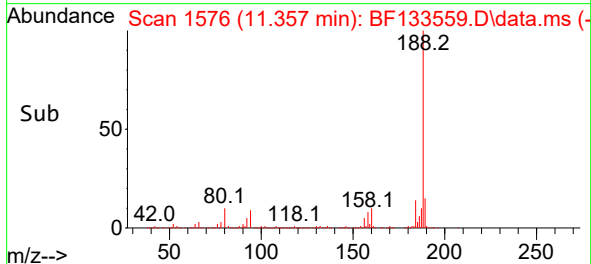
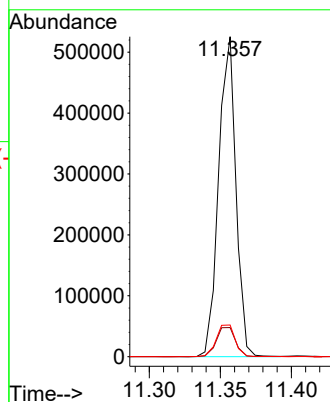
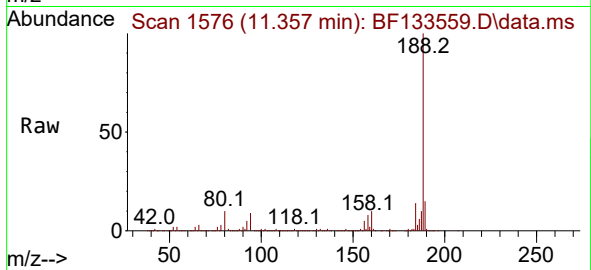
80 9.9 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/06/2023

Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 4.420 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

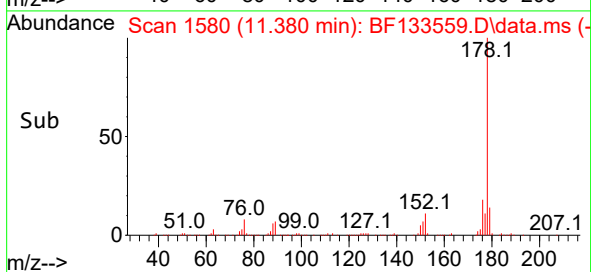
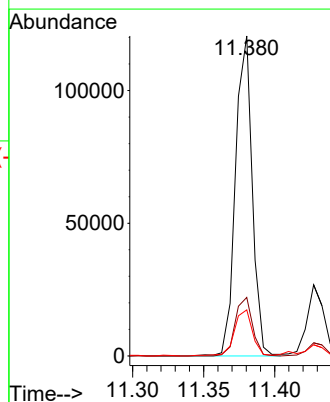
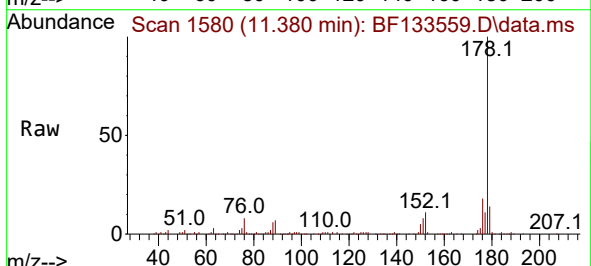
Tgt Ion:178 Resp: 99164

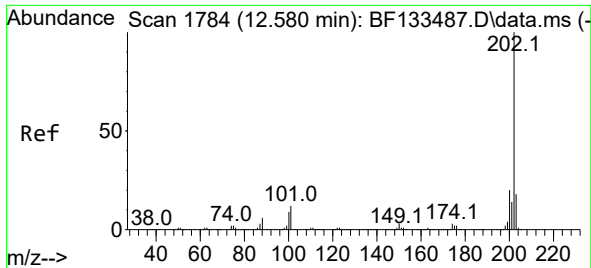
Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

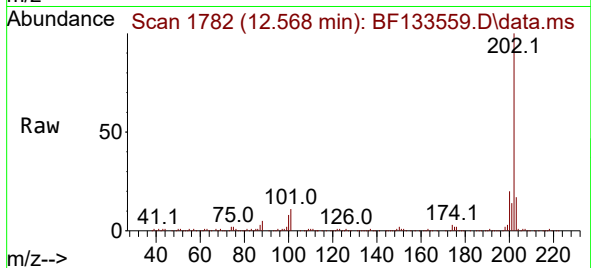
179 14.4 12.4 18.6





#75
Fluoranthene
Concen: 5.427 ng
RT: 12.568 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

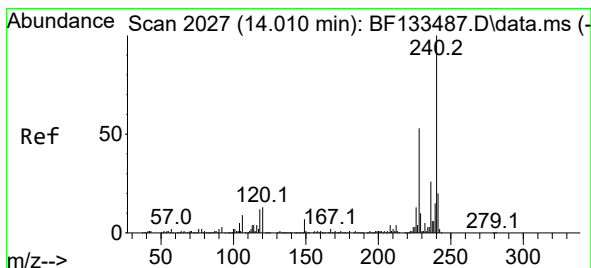
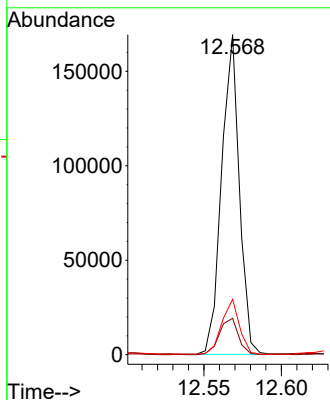
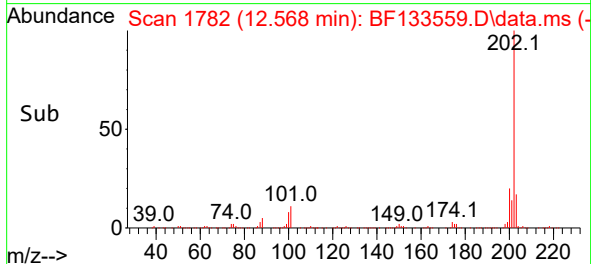
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001



Tgt Ion:202 Resp: 134470
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.3 0.0 37.8

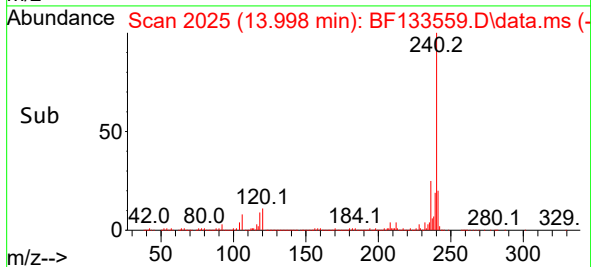
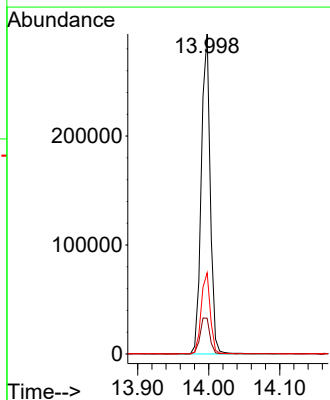
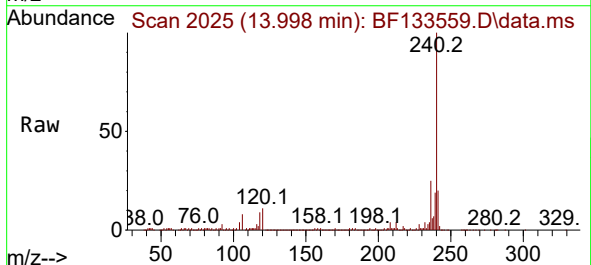
Manual Integrations
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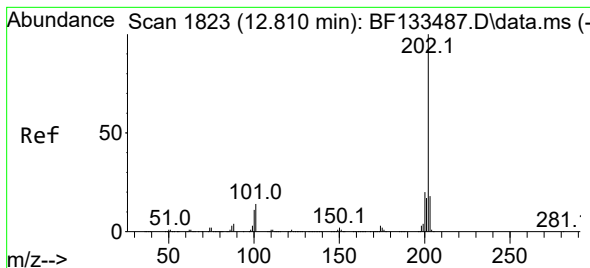
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Tgt Ion:240 Resp: 258473
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 25.4 20.5 30.7





#78

Pyrene

Concen: 5.739 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF133559.D

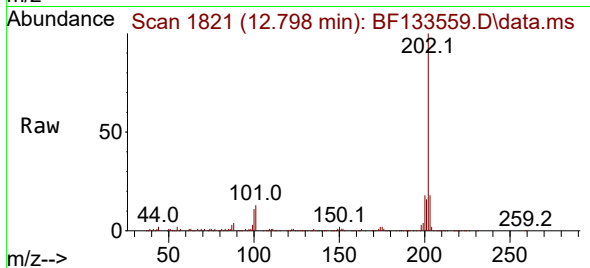
Acq: 02 Jun 2023 13:24

Instrument :

BNA_F

ClientSampleId :

PLYMOUTH-XRDS-001



Tgt Ion:202 Resp: 126230

Ion Ratio Lower Upper

202 100

200 18.5 16.3 24.5

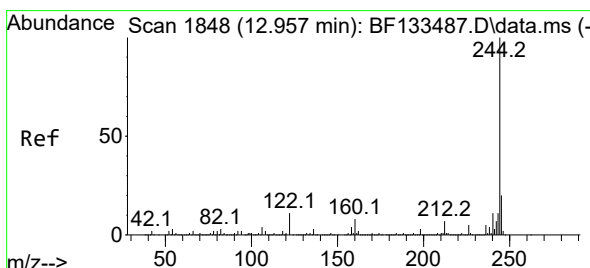
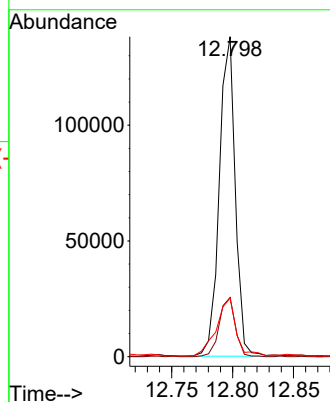
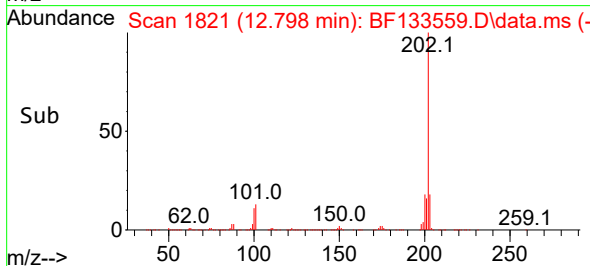
203 18.3 14.3 21.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/06/2023

Supervised By :mohammad ahmed 06/08/2023



#79

Terphenyl-d14

Concen: 88.301 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF133559.D

Acq: 02 Jun 2023 13:24

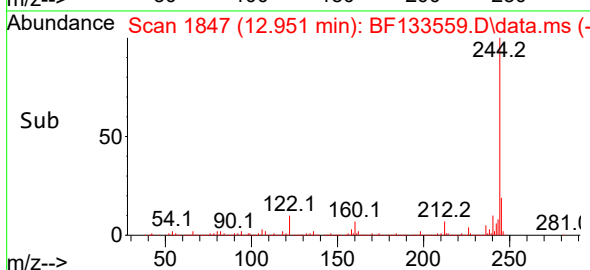
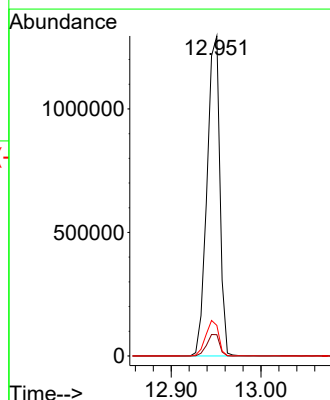
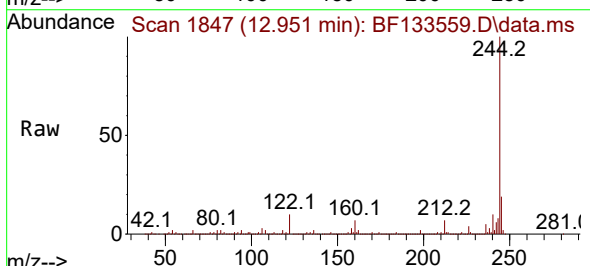
Tgt Ion:244 Resp: 1283664

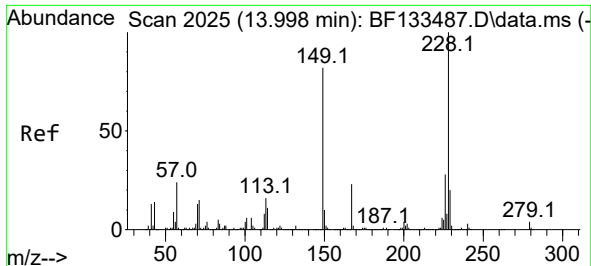
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

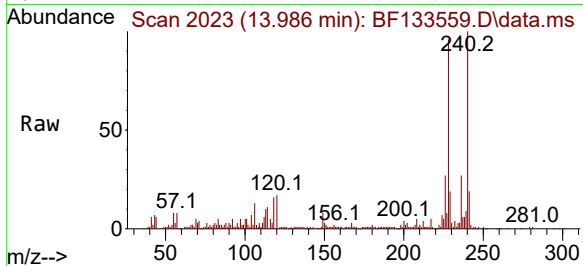
122 9.6 8.5 12.7





#81
Benzo(a)anthracene
Concen: 3.265 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

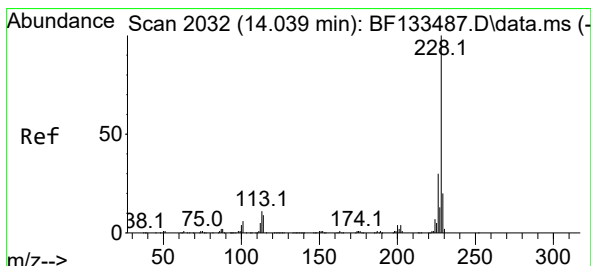
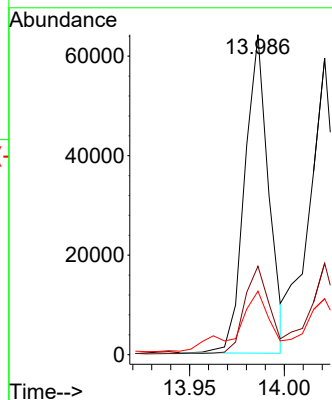
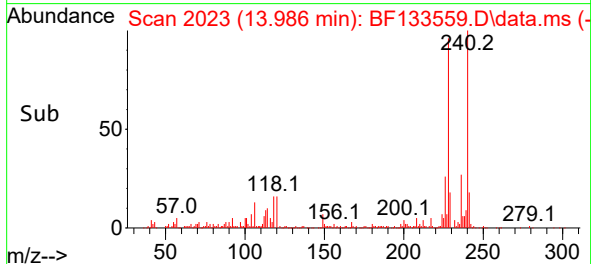
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001



Tgt Ion:228 Resp: 56225
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 19.8 16.1 24.1

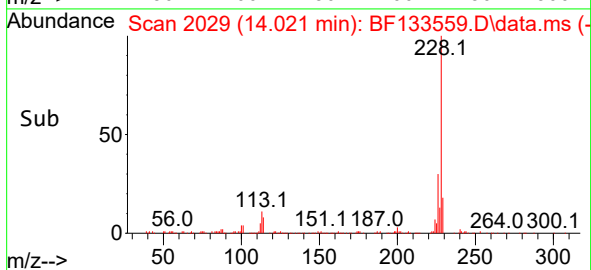
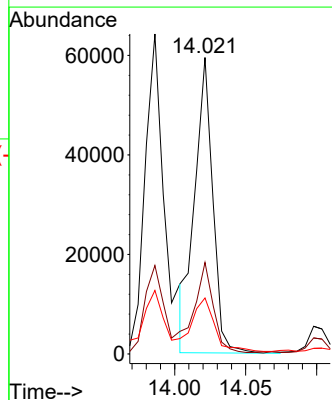
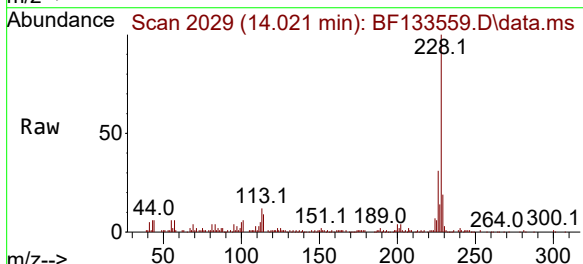
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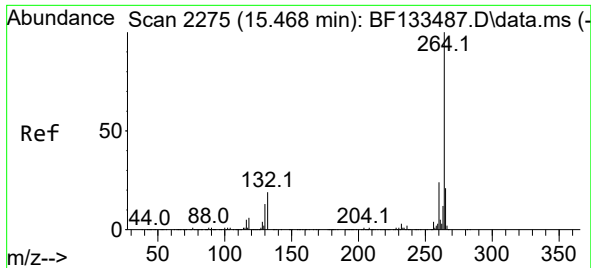
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 3.041 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

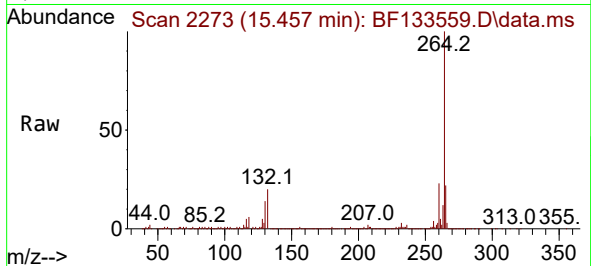
Tgt Ion:228 Resp: 52867
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 18.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

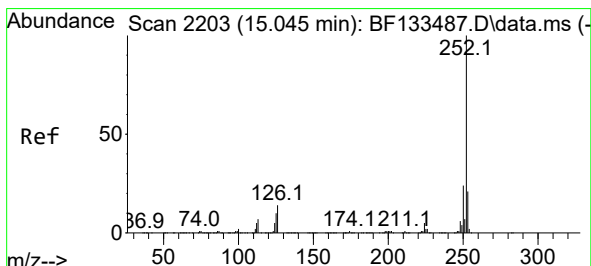
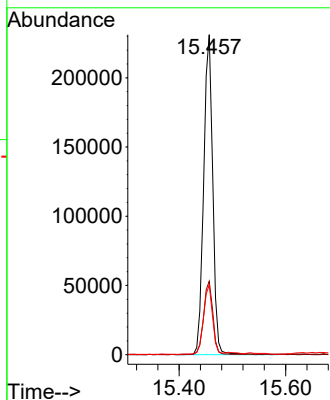
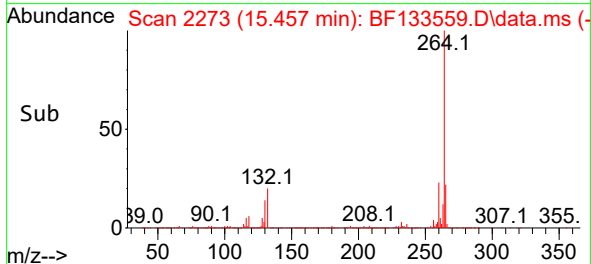
Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001



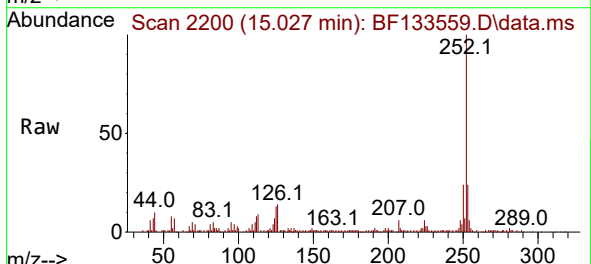
Tgt Ion:264 Resp: 27421
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 21.8 16.8 25.2

Manual Integrations
APPROVED

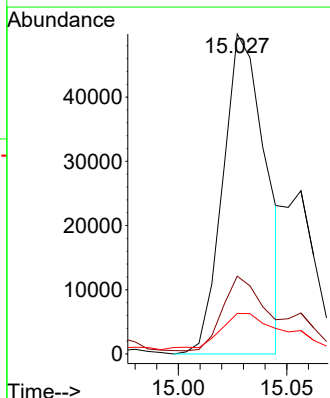
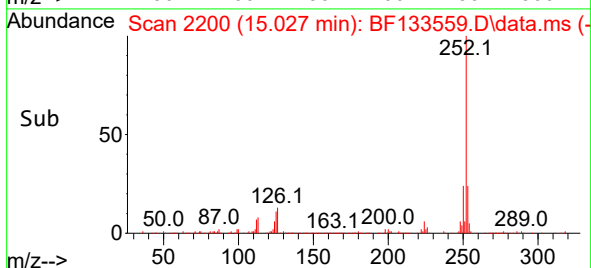
Reviewed By :Yogesh Patel 06/06/2023
Supervised By :mohammad ahmed 06/08/2023

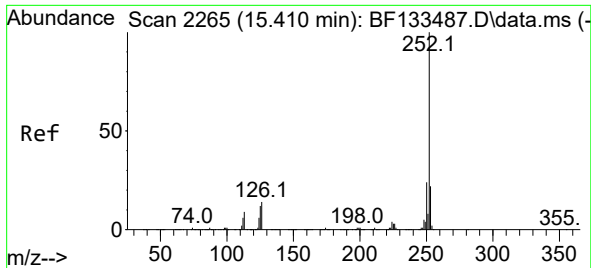


#88
Benzo(b)fluoranthene
Concen: 3.833 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24



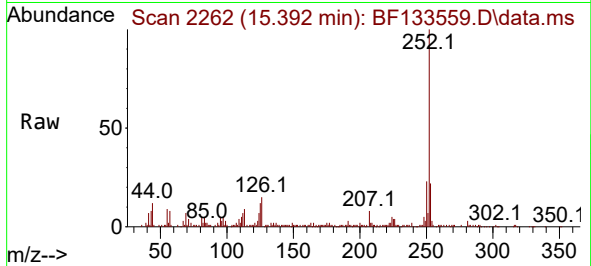
Tgt Ion:252 Resp: 68445
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 12.7 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 3.138 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133559.D
Acq: 02 Jun 2023 13:24

Instrument :
BNA_F
ClientSampleId :
PLYMOUTH-XRDS-001



Tgt Ion:252 Resp: 50988
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 11.9 9.4 14.0

Manual Integrations
APPROVED

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

