

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133599.D
 Acq On : 06 Jun 2023 19:17
 Operator : CG\JU
 Sample : 03002-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB05B

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 04:00:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	124002	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	438360	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	184049	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	307741	20.000	ng	0.00
76) Chrysene-d12	14.015	240	154047	20.000	ng	0.00
86) Perylene-d12	15.480	264	132853	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	496756	66.839	ng	0.00
7) Phenol-d6	6.457	99	603135	65.924	ng	0.00
23) Nitrobenzene-d5	7.398	82	354319	53.968	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	125404	68.354	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	621273	52.100	ng	0.00
79) Terphenyl-d14	12.951	244	496605	57.317	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	290048	18.609	ng	99
72) Anthracene	11.439	178	76137	4.746	ng	98
75) Fluoranthene	12.580	202	373074	21.669	ng	97
78) Pyrene	12.810	202	499347	38.093	ng	99
81) Benzo(a)anthracene	14.004	228	333286	32.477	ng	# 93
83) Chrysene	14.039	228	469299	45.300	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.939	276	68050	8.041	ng	95
88) Benzo(b)fluoranthene	15.057	252	188020m	21.734	ng	
89) Benzo(k)fluoranthene	15.080	252	48183m	5.712	ng	
90) Benzo(a)pyrene	15.421	252	216532	27.507	ng	# 93
91) Dibenzo(a,h)anthracene	16.951	278	31719	4.623	ng	# 50
92) Benzo(g,h,i)perylene	17.380	276	79502	11.491	ng	# 88

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

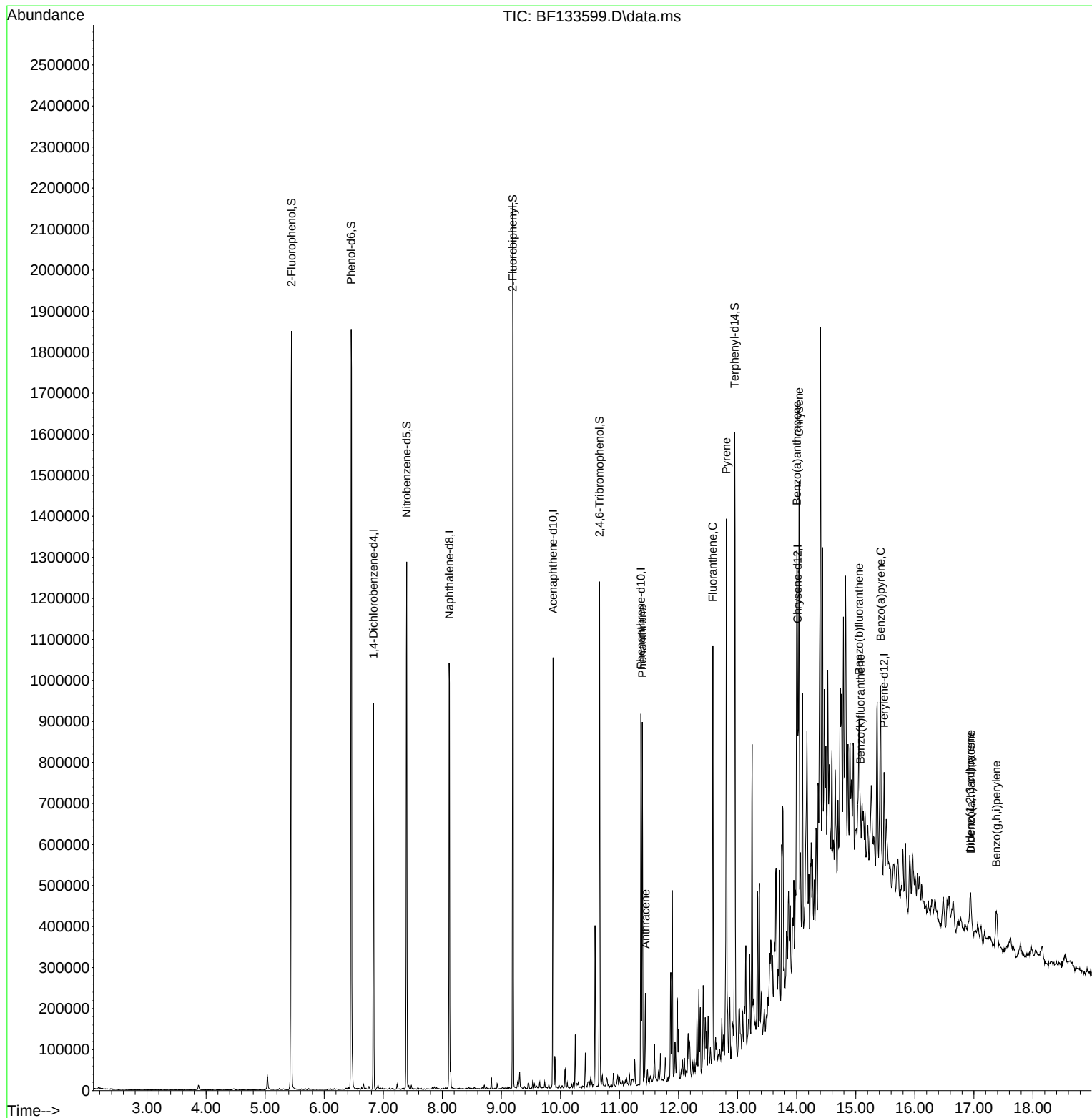
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133599.D
Acq On : 06 Jun 2023 19:17
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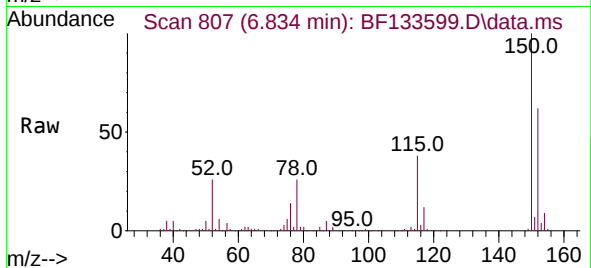
Quant Time: Jun 07 04:00:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

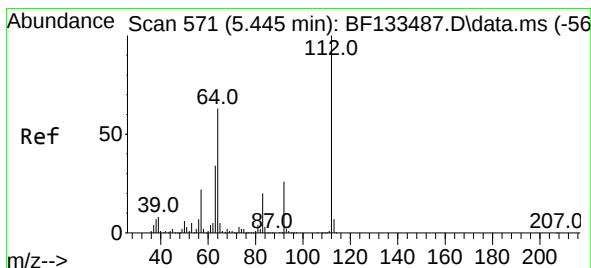
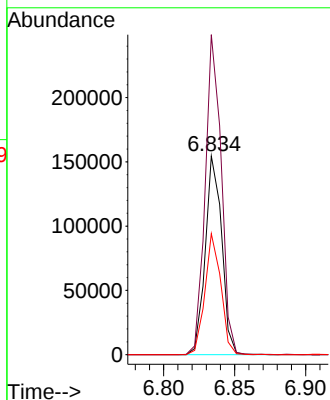
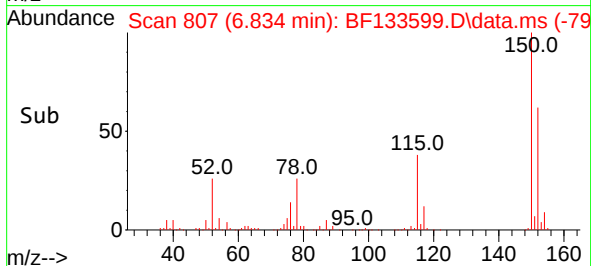
Instrument :
BNA_F
ClientSampleId :
SB05B



Tgt Ion:152 Resp: 124000
Ion Ratio Lower Upper
152 100
150 161.0 124.9 187.3
115 60.9 48.1 72.1

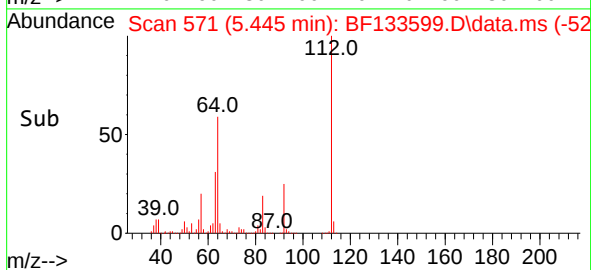
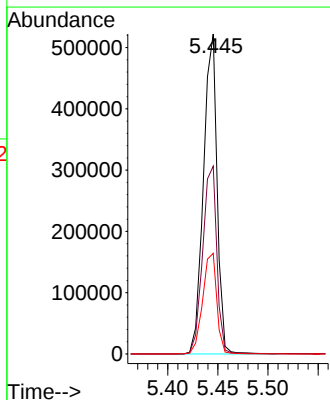
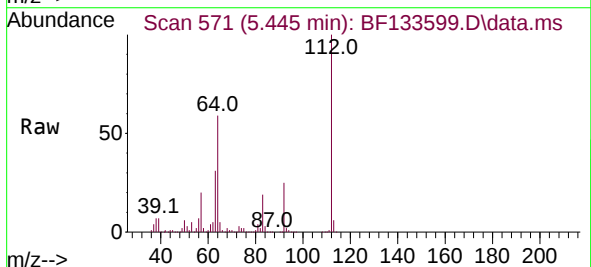
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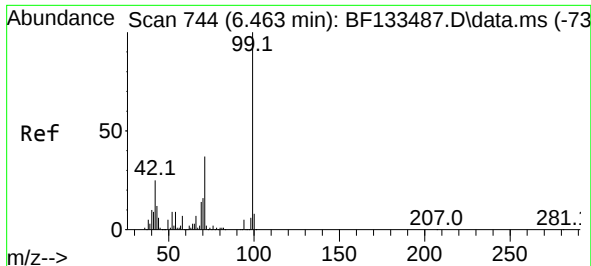
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 66.839 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

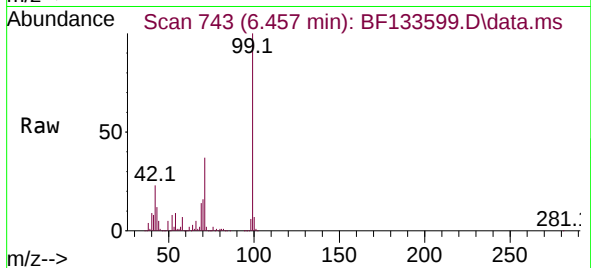
Tgt Ion:112 Resp: 496756
Ion Ratio Lower Upper
112 100
64 58.7 50.1 75.1
63 31.5 27.5 41.3





#7
Phenol-d6
Concen: 65.924 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

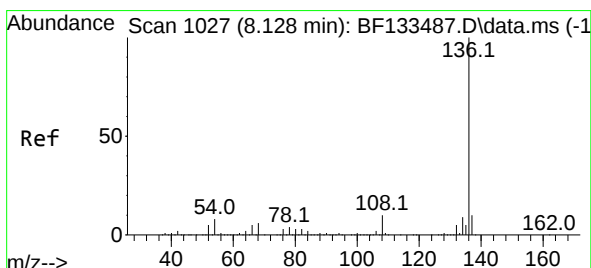
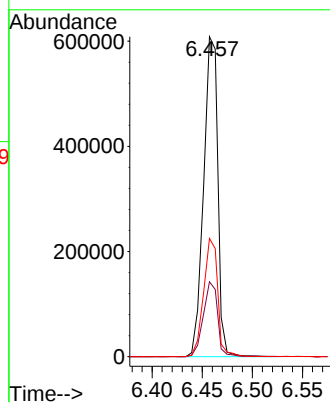
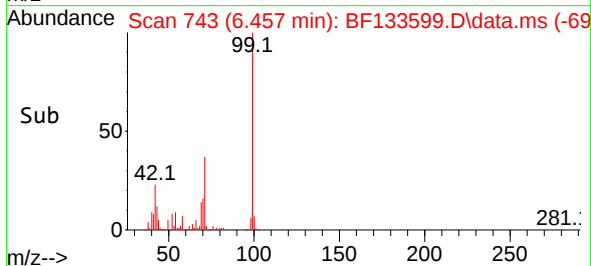
Instrument :
BNA_F
ClientSampleId :
SB05B



Tgt Ion: 99 Resp: 603135
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 37.0 29.8 44.8

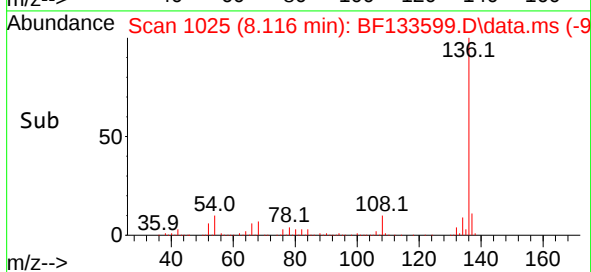
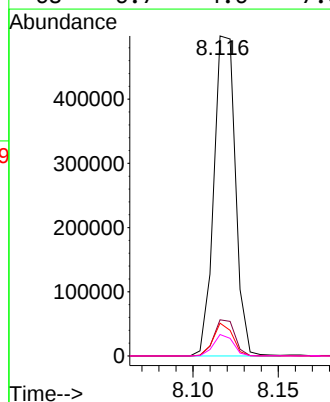
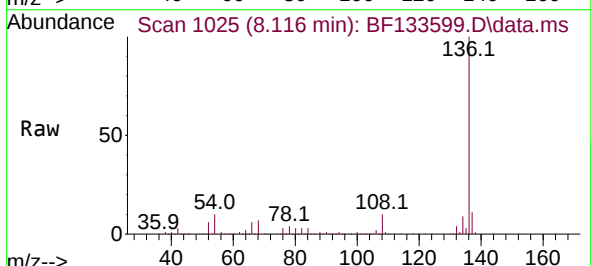
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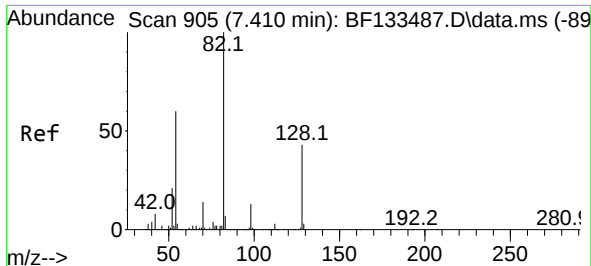
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:136 Resp: 438360
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 10.2 6.6 10.0#
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 53.968 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133599.D

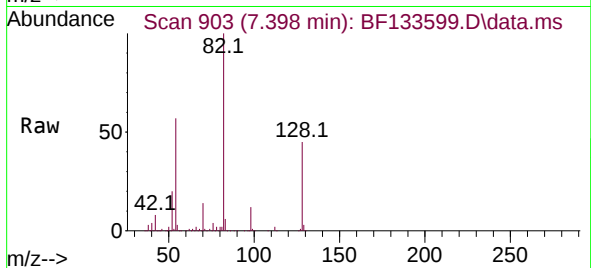
Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B



Tgt Ion: 82 Resp: 354319

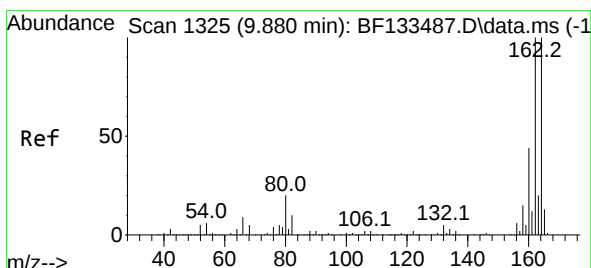
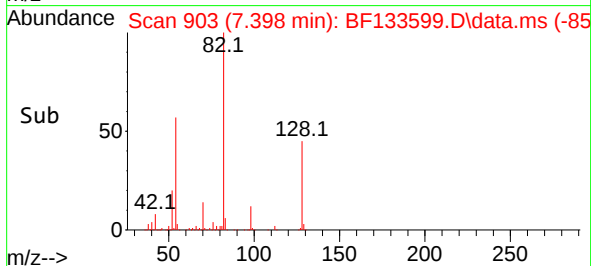
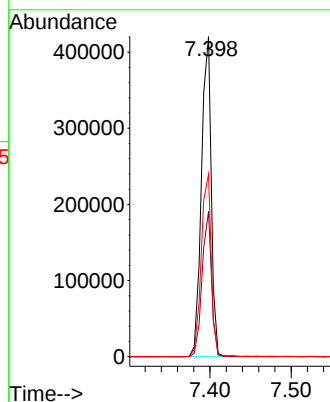
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.2	51.4
54	57.0	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

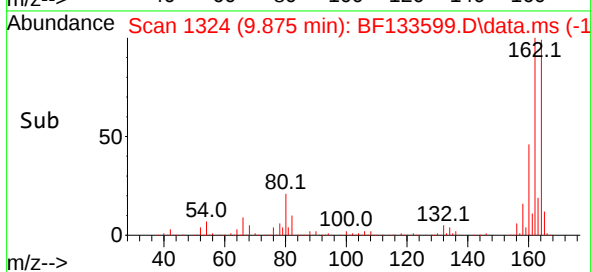
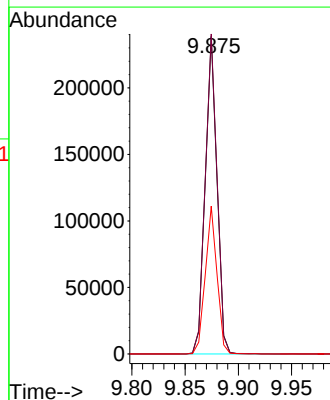
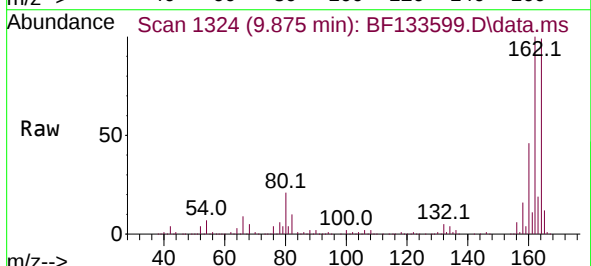
Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Tgt Ion:164 Resp: 184049

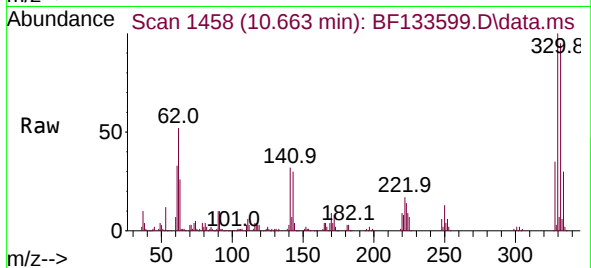
Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.7	119.5
160	46.5	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 68.354 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

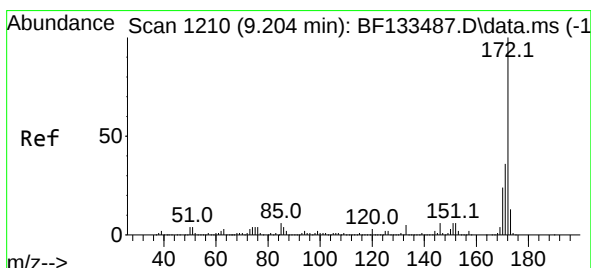
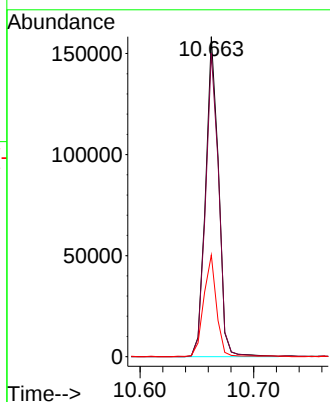
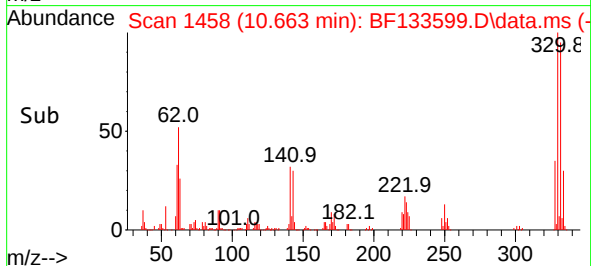
Instrument :
BNA_F
ClientSampleId :
SB05B



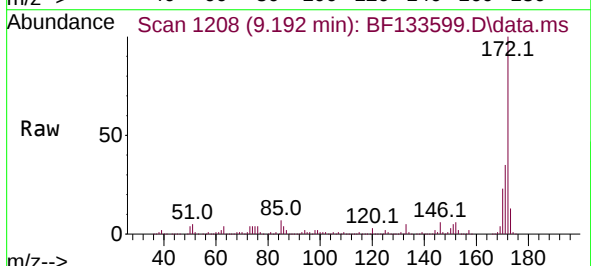
Tgt Ion: 330 Resp: 125404
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 31.8 26.6 40.0

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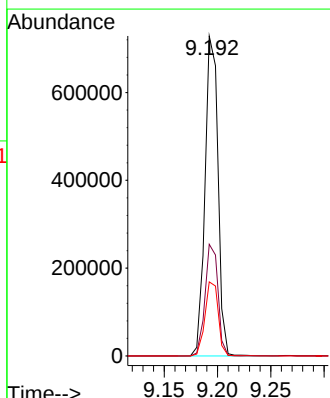
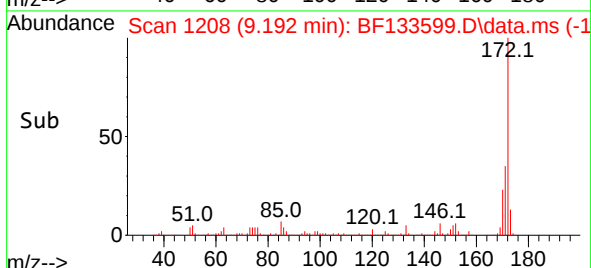
Reviewed By : Yogesh Patel 06/07/2023
Supervised By : mohammad ahmed 06/08/2023

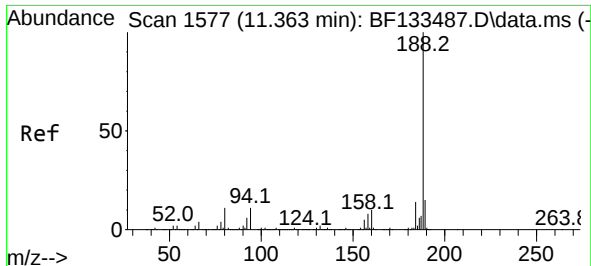


#45
2-Fluorobiphenyl
Concen: 52.100 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17



Tgt Ion: 172 Resp: 621273
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.2 19.3 28.9





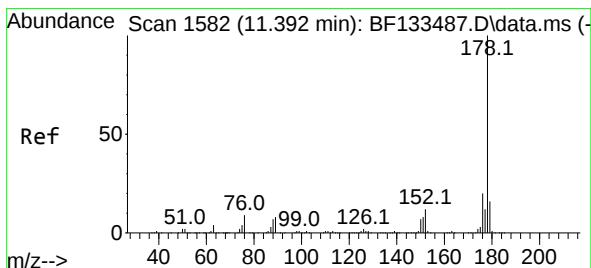
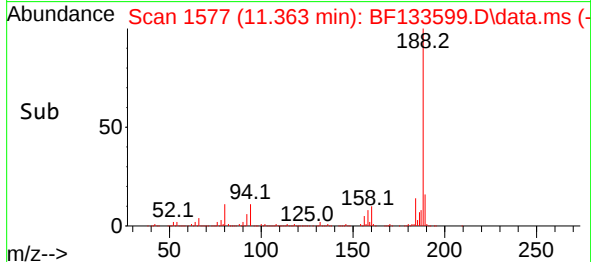
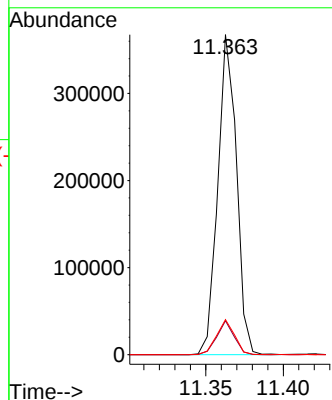
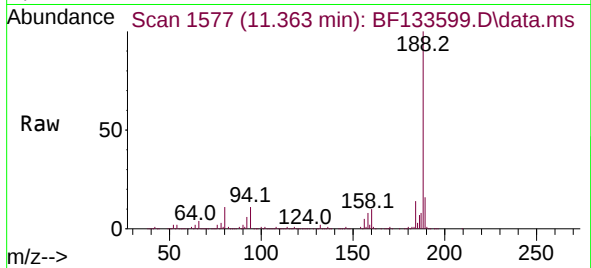
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Instrument :
BNA_F
ClientSampleId :
SB05B

Tgt Ion:188 Resp: 30774
Ion Ratio Lower Upper
188 100
94 10.6 8.6 12.8
80 11.0 9.2 13.8

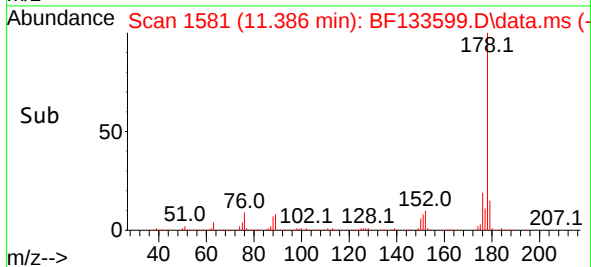
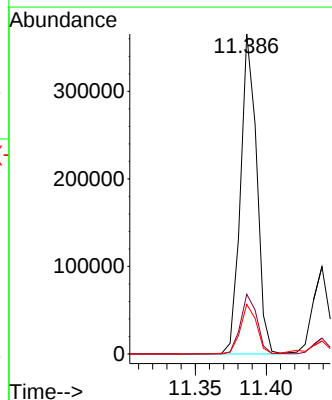
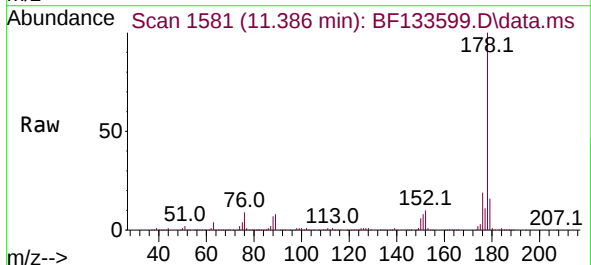
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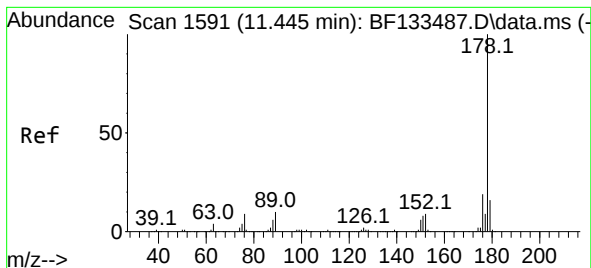
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#71
Phenanthrene
Concen: 18.609 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:178 Resp: 290048
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.5 12.4 18.6





#72

Anthracene

Concen: 4.746 ng

RT: 11.439 min Scan# 1591

Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

Tgt Ion:178 Resp: 7613

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

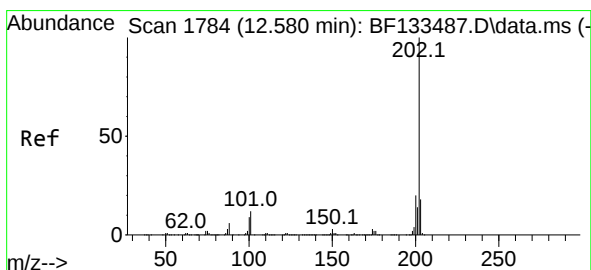
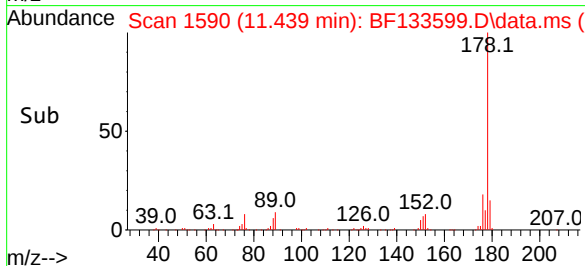
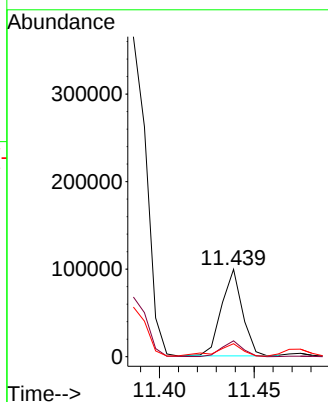
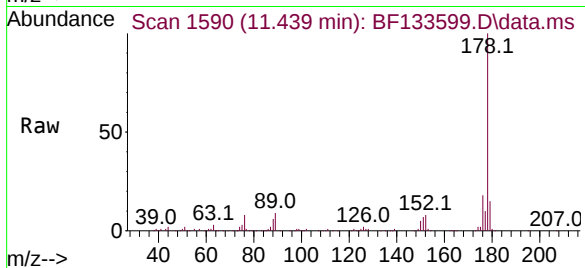
179 14.8 12.6 18.8

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#75

Fluoranthene

Concen: 21.669 ng

RT: 12.580 min Scan# 1784

Delta R.T. 0.000 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

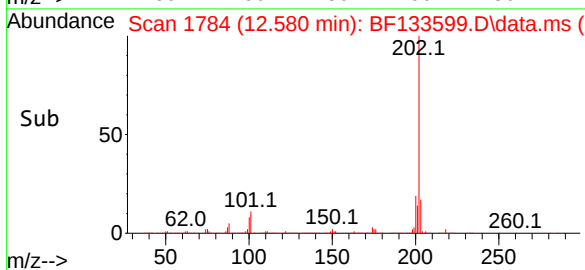
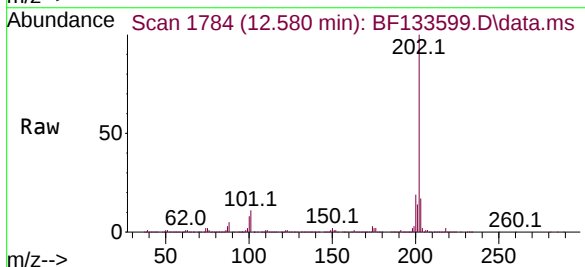
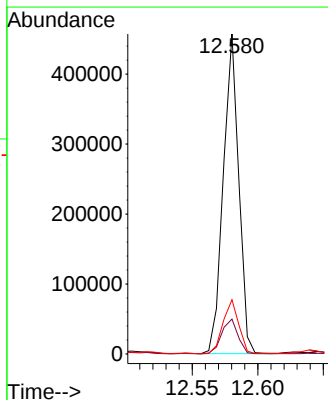
Tgt Ion:202 Resp: 373074

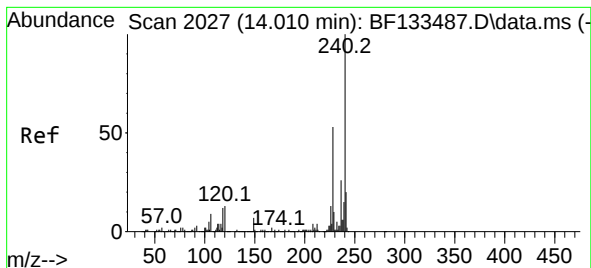
Ion Ratio Lower Upper

202 100

101 10.9 0.0 32.2

203 16.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

Tgt Ion:240 Resp: 15404

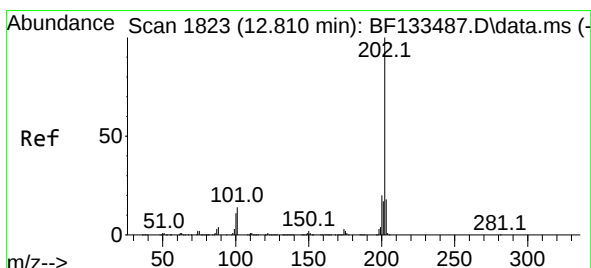
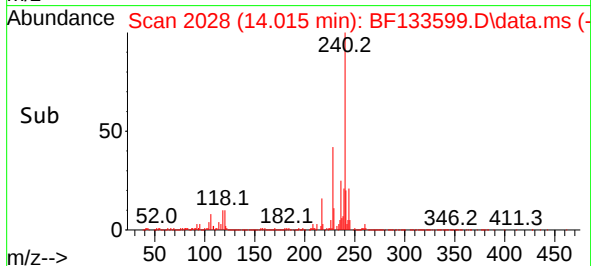
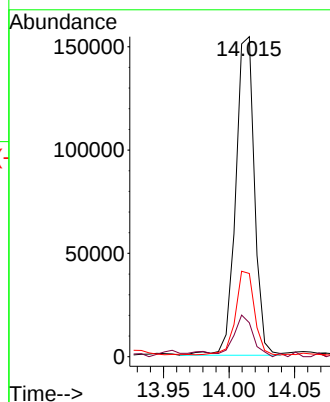
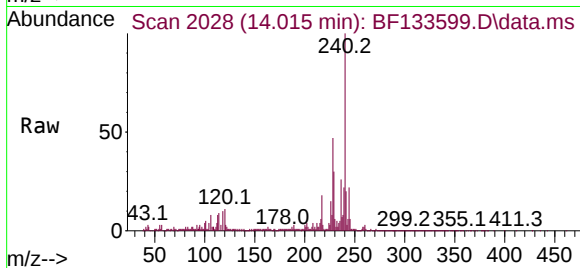
Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.3	15.5
236	26.0	20.5	30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#78

Pyrene

Concen: 38.093 ng

RT: 12.810 min Scan# 1823

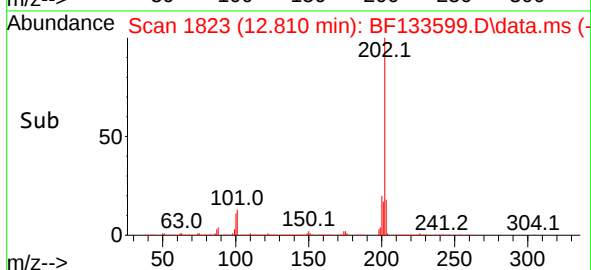
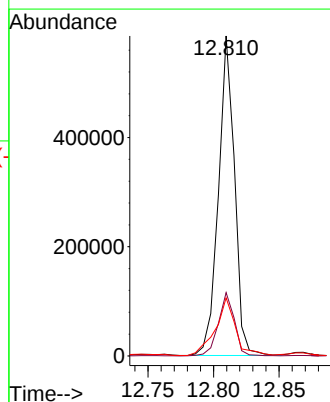
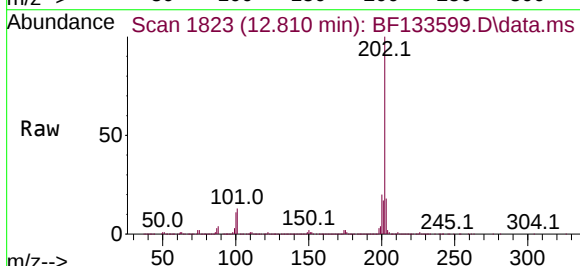
Delta R.T. 0.000 min

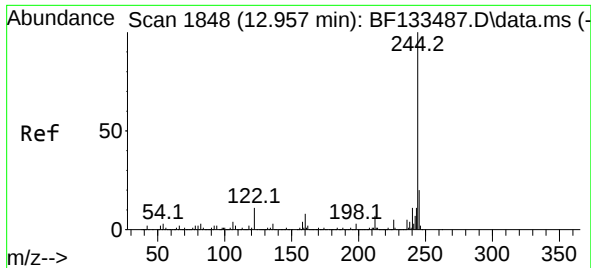
Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Tgt Ion:202 Resp: 499347

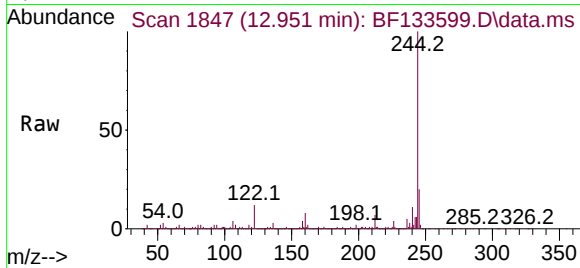
Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.3	24.5
203	18.2	14.3	21.5





#79
 Terphenyl-d14
 Concen: 57.317 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133599.D
 Acq: 06 Jun 2023 19:17

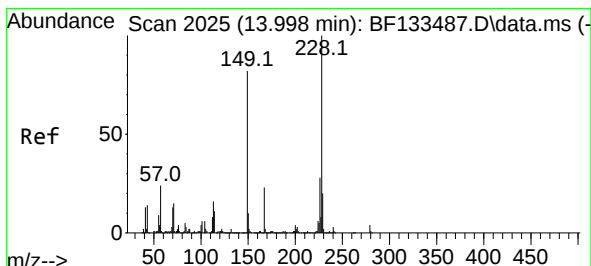
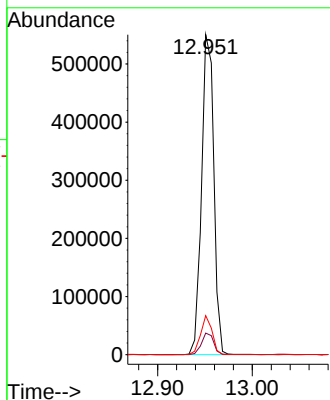
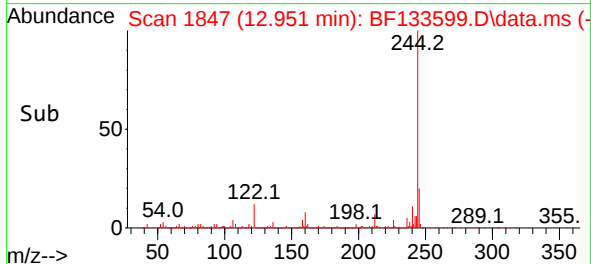
Instrument :
 BNA_F
 ClientSampleId :
 SB05B



Tgt Ion:244 Resp: 496609
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 12.2 8.5 12.7

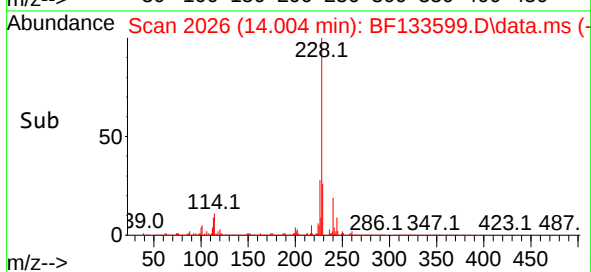
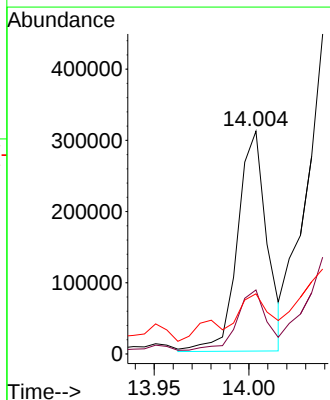
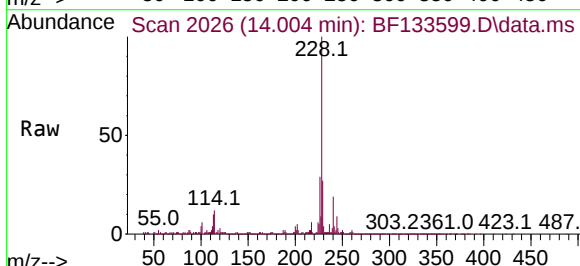
Manual Integrations
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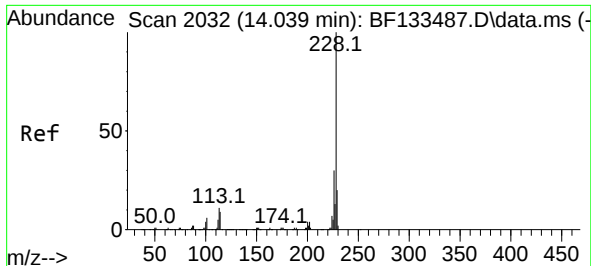
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#81
 Benzo(a)anthracene
 Concen: 32.477 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF133599.D
 Acq: 06 Jun 2023 19:17

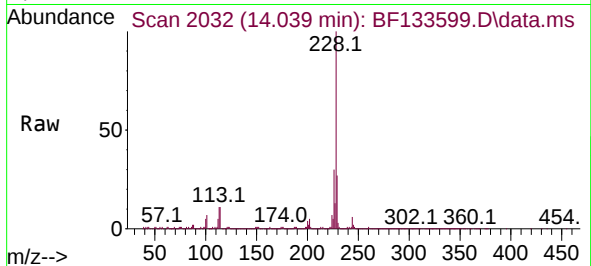
Tgt Ion:228 Resp: 333286
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.3 33.5
 229 27.0 16.1 24.1#





#83
Chrysene
Concen: 45.300 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

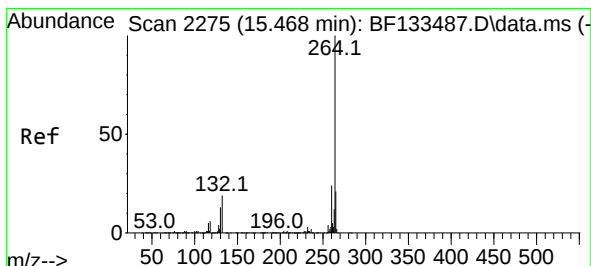
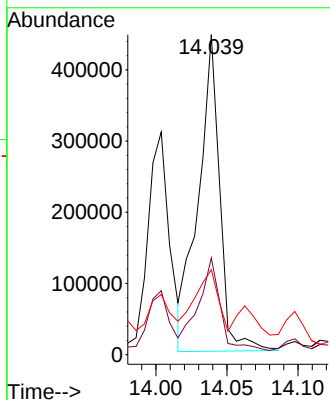
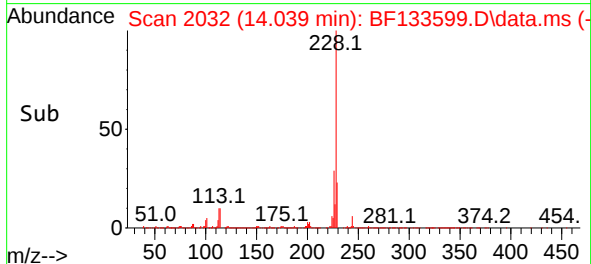
Instrument :
BNA_F
ClientSampleId :
SB05B



Tgt Ion:228 Resp: 469299
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 26.6 15.8 23.8

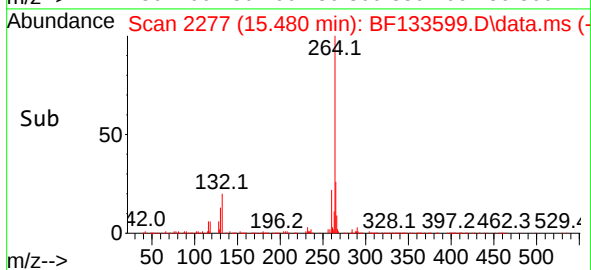
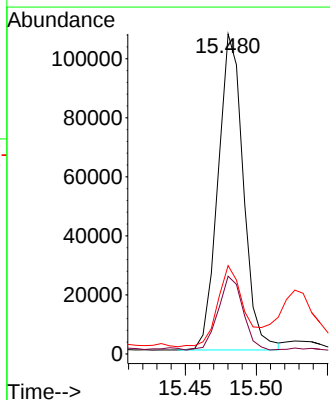
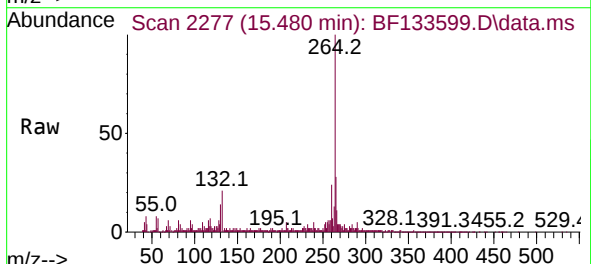
Manual Integrations
APPROVED

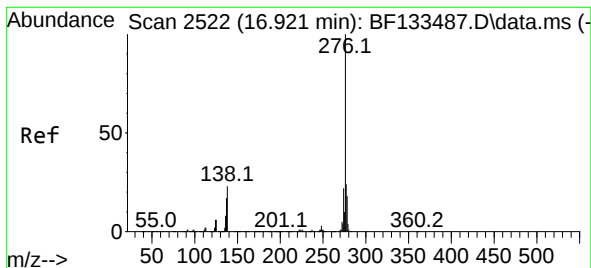
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:264 Resp: 132853
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 27.6 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.041 ng

RT: 16.939 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

Instrument :

BNA_F

ClientSampleId :

SB05B

Tgt Ion:276 Resp: 68050

Ion Ratio Lower Upper

276 100

138 23.0 21.4 32.2

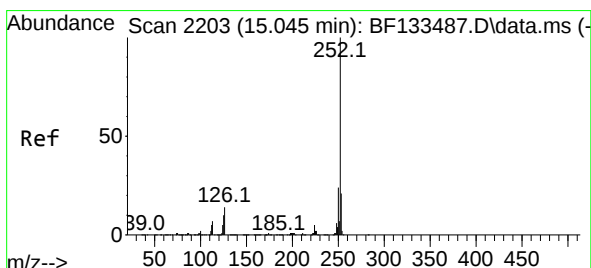
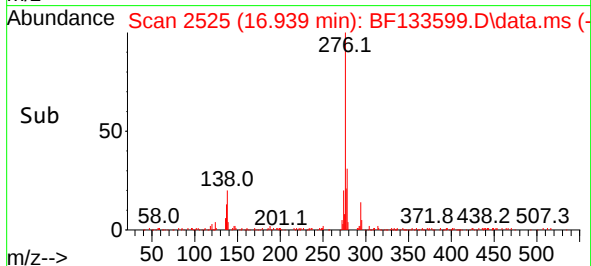
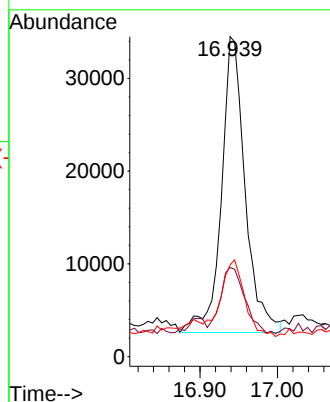
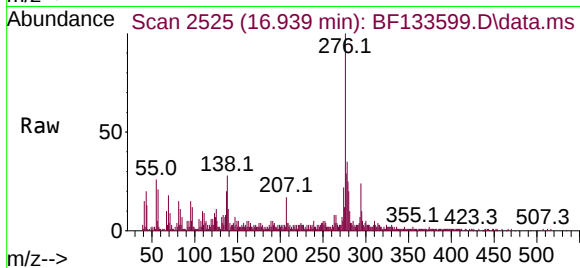
277 26.2 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 21.734 ng m

RT: 15.057 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BF133599.D

Acq: 06 Jun 2023 19:17

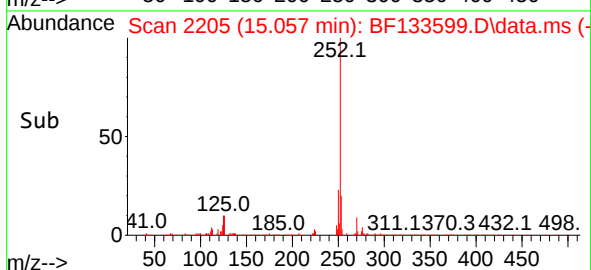
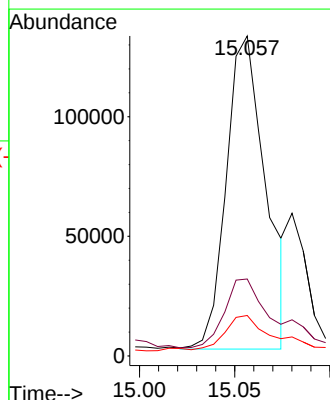
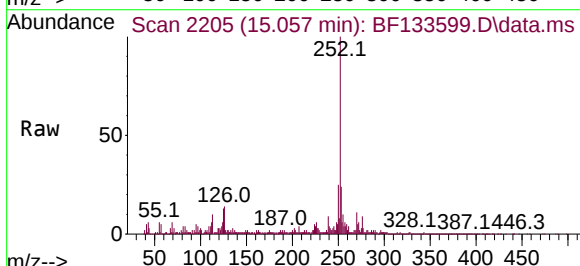
Tgt Ion:252 Resp: 188020

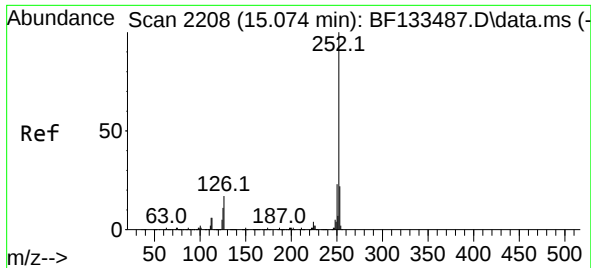
Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

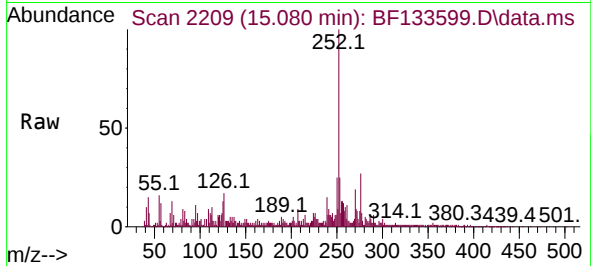
125 12.6 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 5.712 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

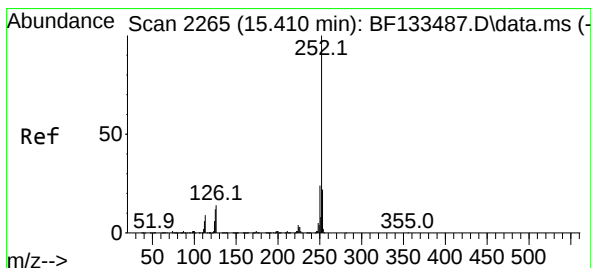
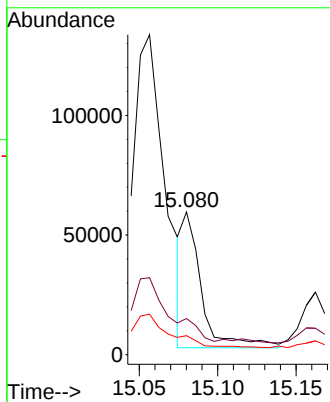
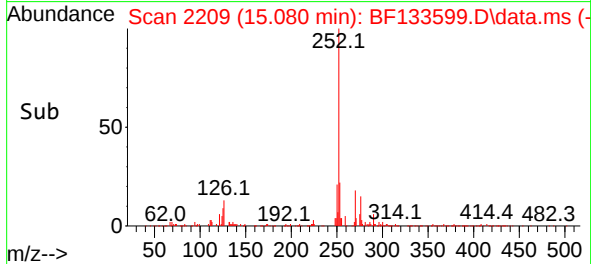
Instrument :
BNA_F
ClientSampleId :
SB05B



Tgt Ion:252 Resp: 4818
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.2
125 13.4 8.3 12.5

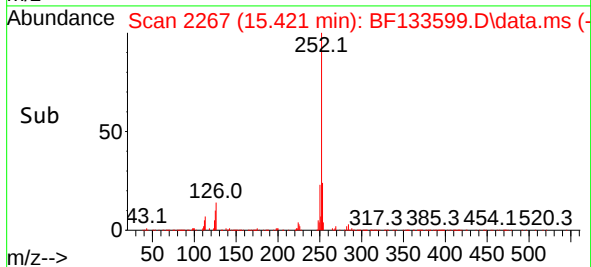
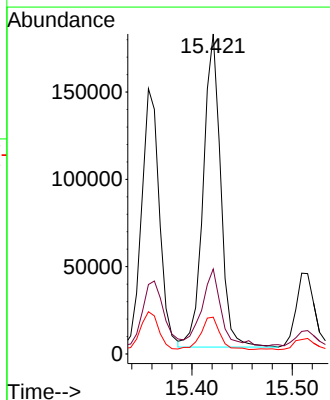
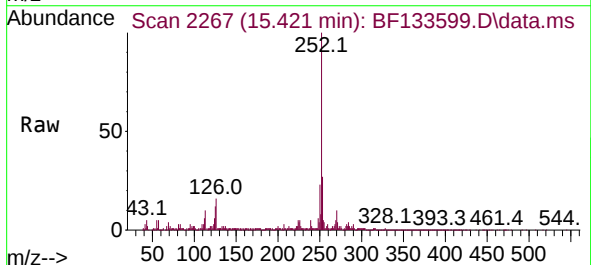
Manual Integrations
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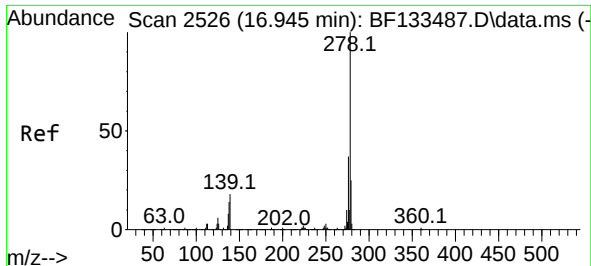
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#90
Benzo(a)pyrene
Concen: 27.507 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:252 Resp: 216532
Ion Ratio Lower Upper
252 100
253 26.6 17.4 26.0#
125 11.5 9.4 14.0





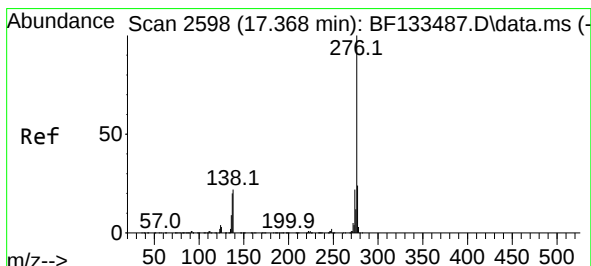
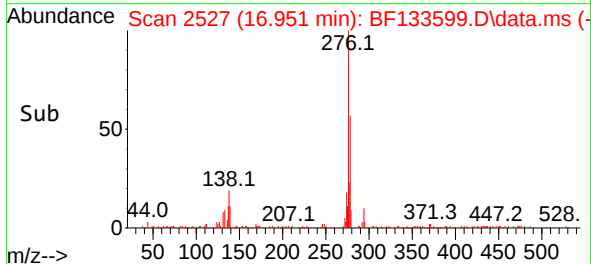
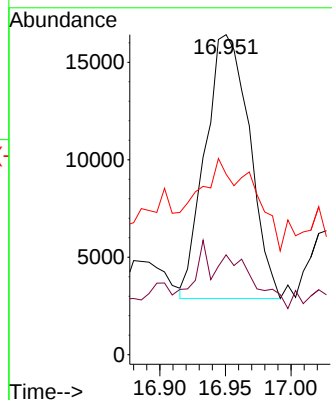
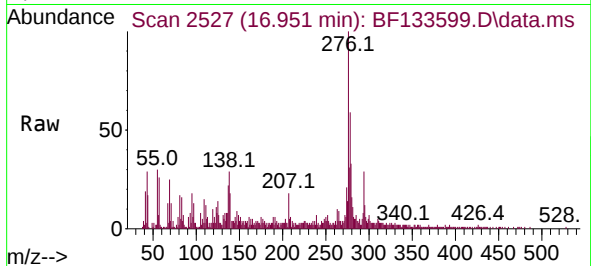
#91
Dibenzo(a,h)anthracene
Concen: 4.623 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Instrument :
BNA_F
ClientSampleId :
SB05B

Tgt Ion:278 Resp: 31719
Ion Ratio Lower Upper
278 100
139 31.2 14.1 21.1#
279 56.4 19.7 29.5#

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 11.491 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF133599.D
Acq: 06 Jun 2023 19:17

Tgt Ion:276 Resp: 79502
Ion Ratio Lower Upper
276 100
277 29.4 18.8 28.2#
138 28.3 17.8 26.6#

