

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133610.D
 Acq On : 07 Jun 2023 02:41
 Operator : CG\JU
 Sample : 02983-08DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB07DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 04:29:37 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	6.833	152	127329	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	453998	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	187373	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	309247	20.000	ng	0.00
76) Chrysene-d12	14.009	240	160597	20.000	ng	0.00
86) Perylene-d12	15.474	264	144424	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	97847	12.821	ng	-0.01
7) Phenol-d6	6.451	99	115957	12.343	ng	-0.01
23) Nitrobenzene-d5	7.392	82	64220	9.445	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	21085	11.289	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	121812	10.034	ng	0.00
79) Terphenyl-d14	12.951	244	97735	10.820	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	35282	3.094	ng	98
55) Dibenzofuran	10.080	168	34368	2.025	ng	94
58) Fluorene	10.422	166	60914	4.900	ng	98
71) Phenanthrene	11.386	178	576558	36.810	ng	99
72) Anthracene	11.439	178	179174	11.115	ng	98
75) Fluoranthene	12.580	202	973829	56.287	ng	99
78) Pyrene	12.810	202	832315	60.904	ng	99
81) Benzo(a)anthracene	13.998	228	336727	31.474	ng	100
83) Chrysene	14.033	228	273511	25.325	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	85829m	9.330	ng	
88) Benzo(b)fluoranthene	15.045	252	256014m	27.223	ng	
89) Benzo(k)fluoranthene	15.074	252	103672m	11.305	ng	
90) Benzo(a)pyrene	15.409	252	194326	22.708	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	23179m	3.108	ng	
92) Benzo(g,h,i)perylene	17.374	276	77889	10.356	ng	98

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

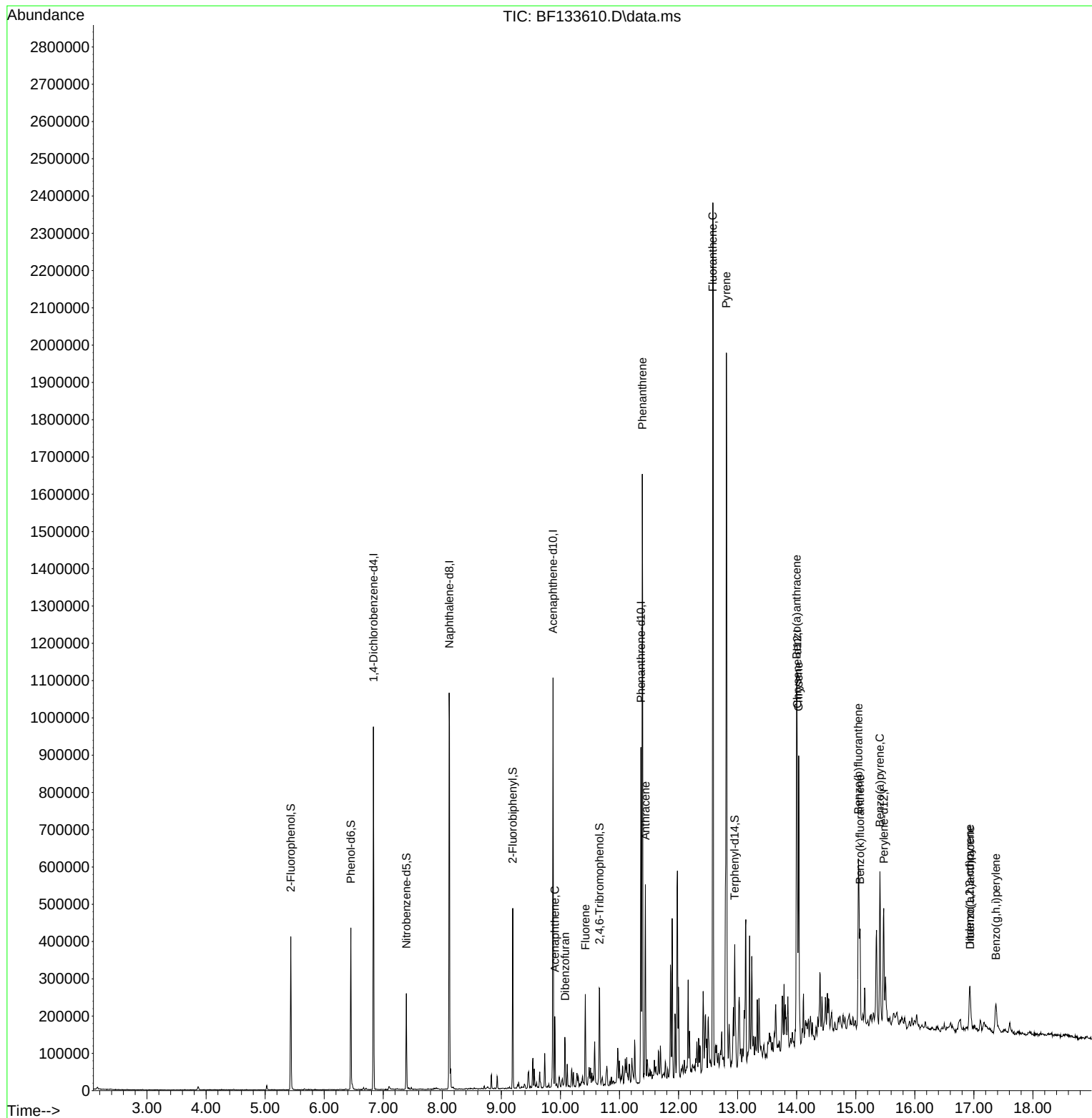
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133610.D
Acq On : 07 Jun 2023 02:41
Operator : CG\JU
Sample : 02983-08DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

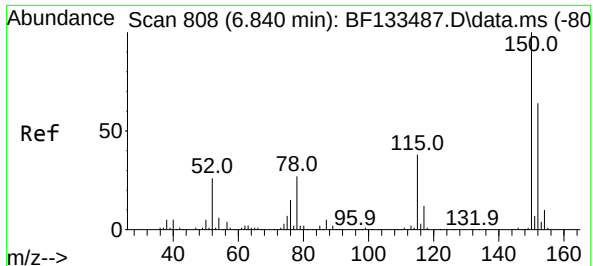
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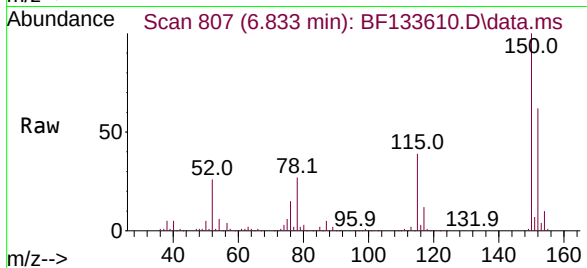
Quant Time: Jun 07 04:29:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

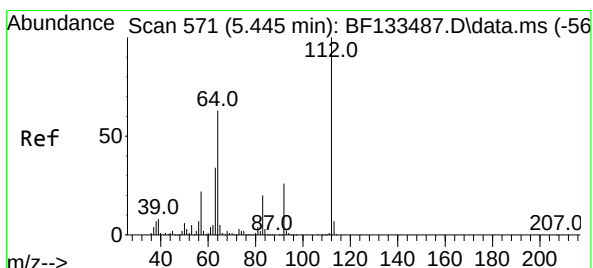
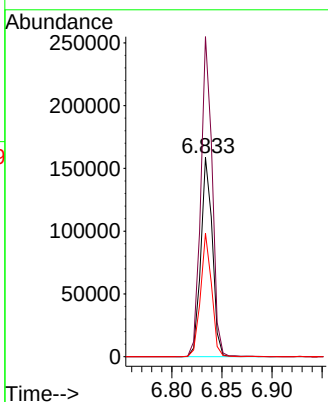
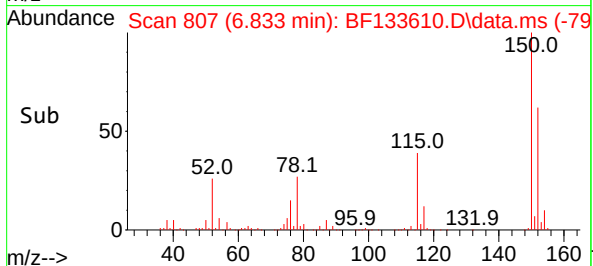
Instrument :
BNA_F
ClientSampleId :
SB07DL



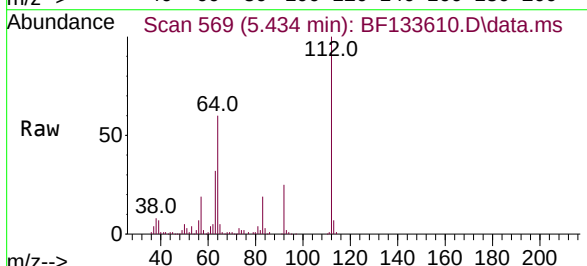
Tgt Ion:152 Resp: 127329
Ion Ratio Lower Upper
152 100
150 160.7 124.9 187.3
115 61.9 48.1 72.1

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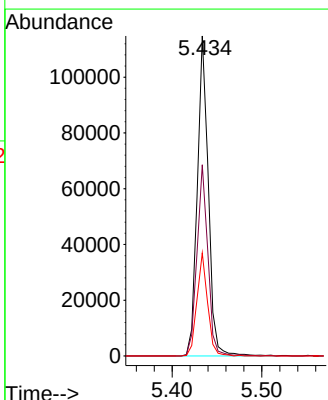
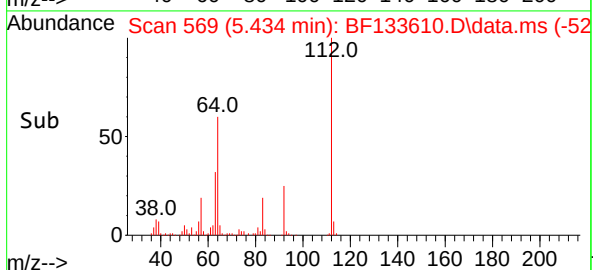
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

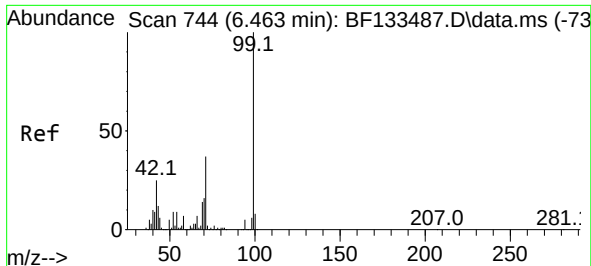


#5
2-Fluorophenol
Concen: 12.821 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



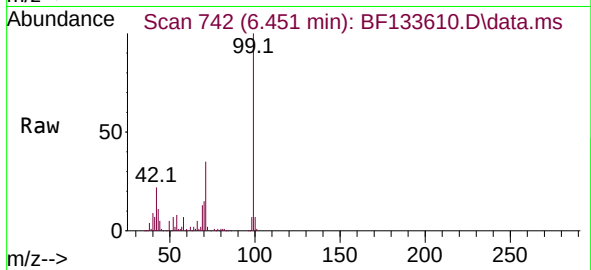
Tgt Ion:112 Resp: 97847
Ion Ratio Lower Upper
112 100
64 59.8 50.1 75.1
63 32.2 27.5 41.3





#7
Phenol-d6
Concen: 12.343 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

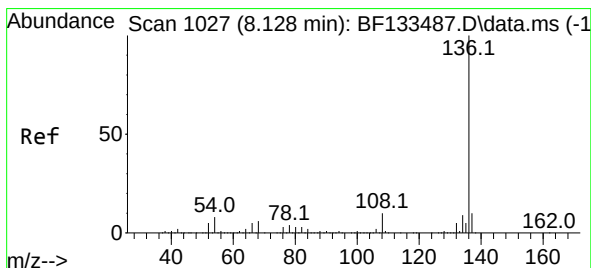
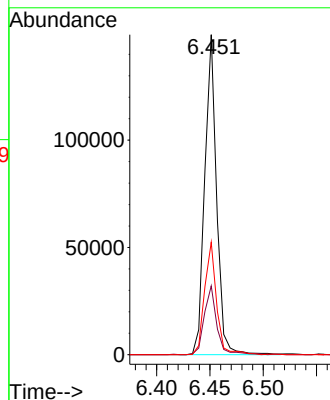
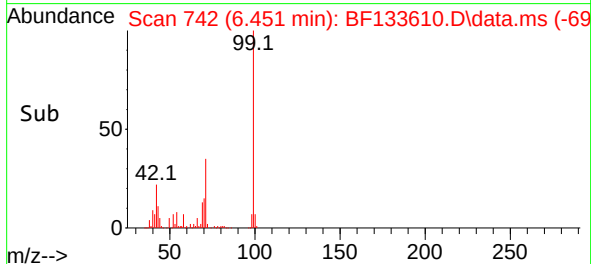
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 11595
Ion Ratio Lower Upper
99 100
42 21.5 19.7 29.5
71 35.2 29.8 44.8

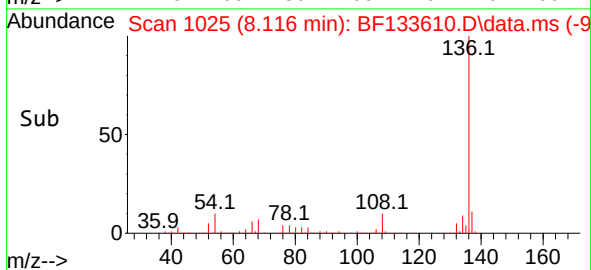
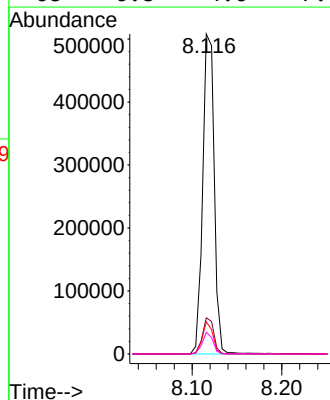
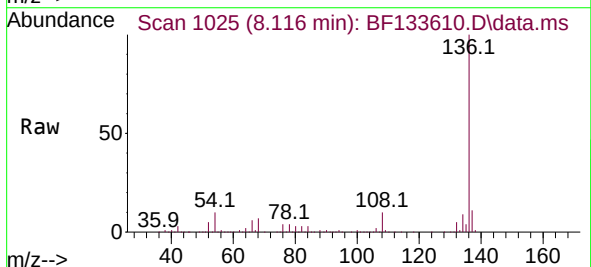
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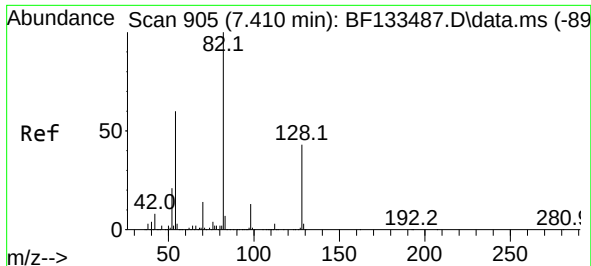
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

Tgt Ion:136 Resp: 453998
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 10.1 6.6 10.0#
68 6.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 9.445 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133610.D

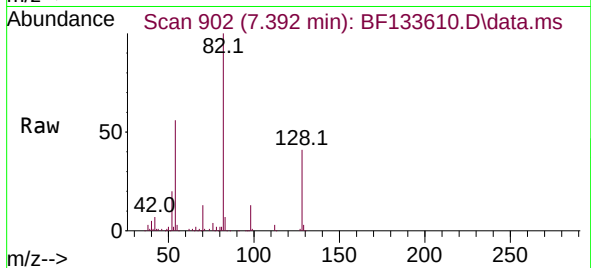
Acq: 07 Jun 2023 02:41

Instrument :

BNA_F

ClientSampleId :

SB07DL



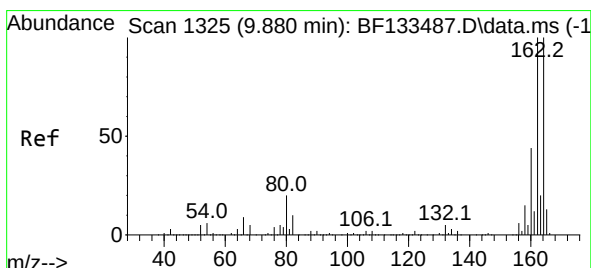
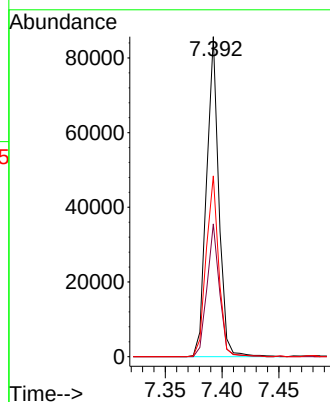
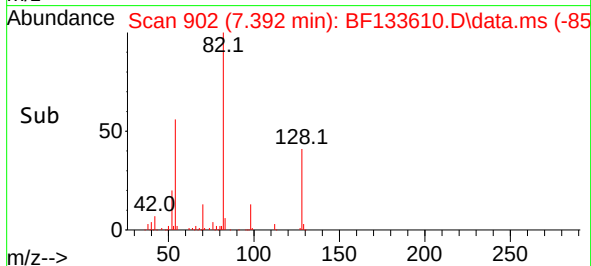
Tgt Ion:	82	Resp:	64220
Ion Ratio	Lower	Upper	
82	100		
128	41.5	34.2	51.4
54	56.5	48.2	72.4

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#39

Acenaphthene-d10

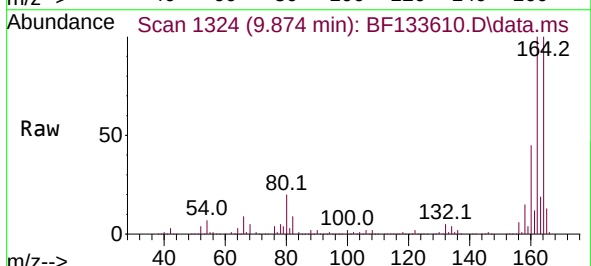
Concen: 20.000 ng

RT: 9.874 min Scan# 1324

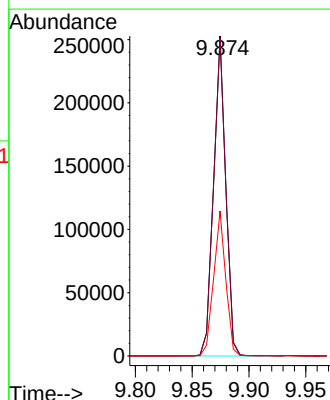
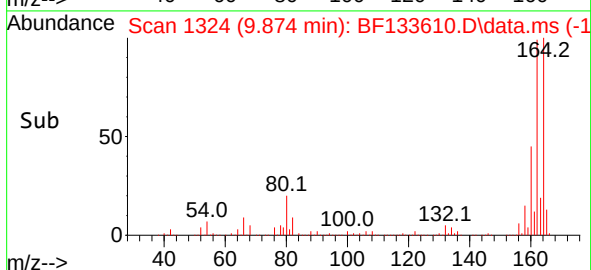
Delta R.T. -0.000 min

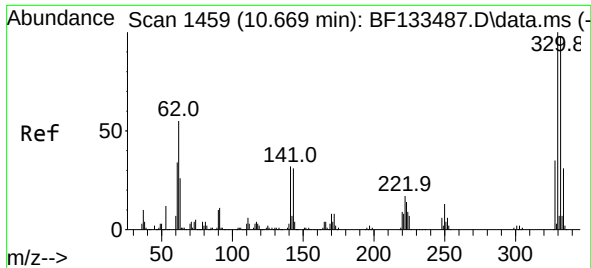
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Acq: 07 Jun 2023 02:41



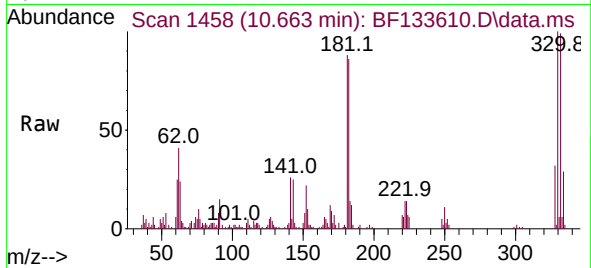
Tgt Ion:	164	Resp:	187373
Ion Ratio	Lower	Upper	
164	100		
162	99.5	79.7	119.5
160	45.3	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 11.289 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

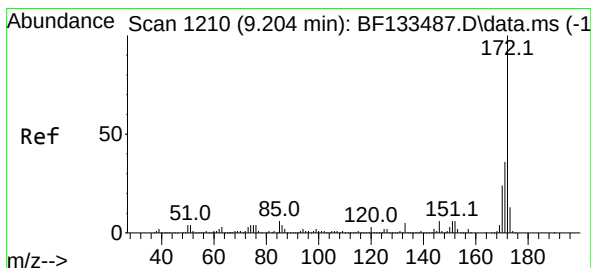
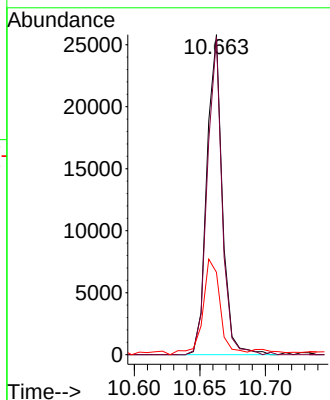
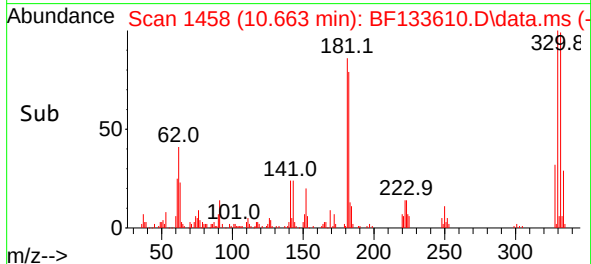
Instrument :
BNA_F
ClientSampleId :
SB07DL



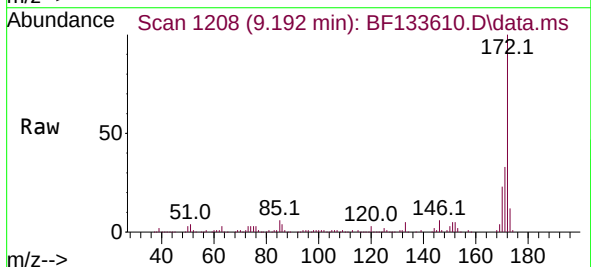
Tgt Ion: 330 Resp: 21085
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.6
141 33.8 26.6 40.0

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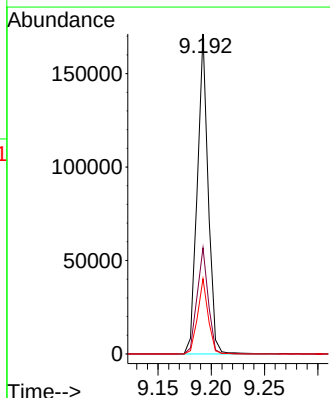
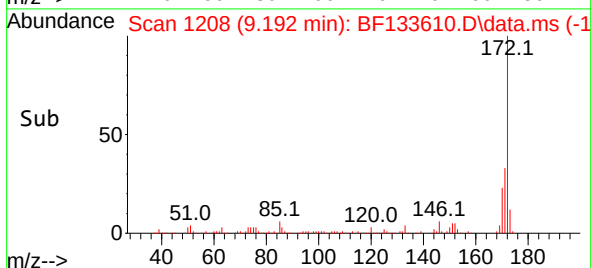
Reviewed By : Yogesh Patel 06/07/2023
Supervised By : mohammad ahmed 06/08/2023

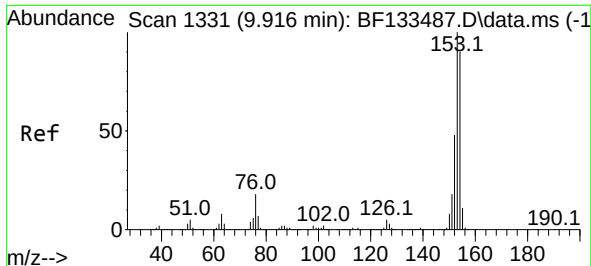


#45
2-Fluorobiphenyl
Concen: 10.034 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



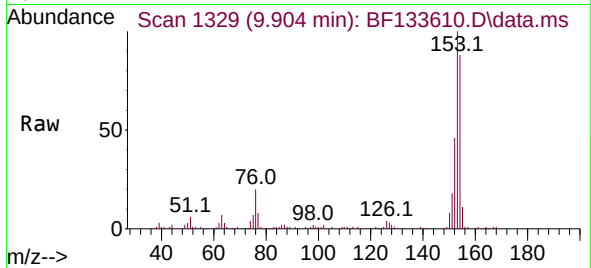
Tgt Ion: 172 Resp: 121812
Ion Ratio Lower Upper
172 100
171 33.2 28.4 42.6
170 23.5 19.3 28.9





#52
Acenaphthene
Concen: 3.094 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

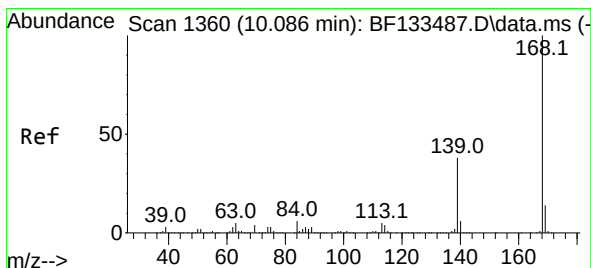
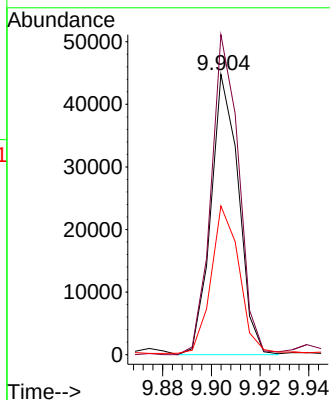
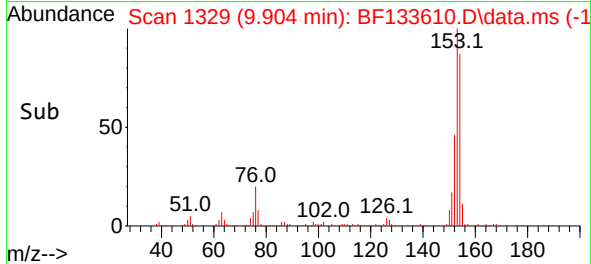
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ClientSampleId :
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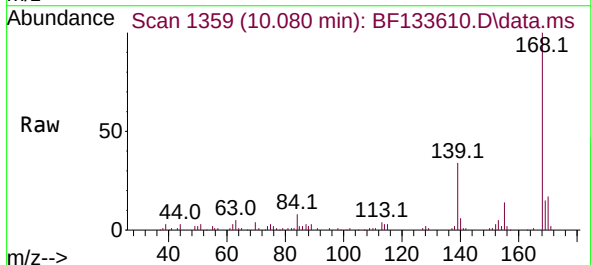
Tgt Ion:154 Resp: 3528
Ion Ratio Lower Upper
154 100
153 114.2 89.2 133.8
152 53.0 43.1 64.7

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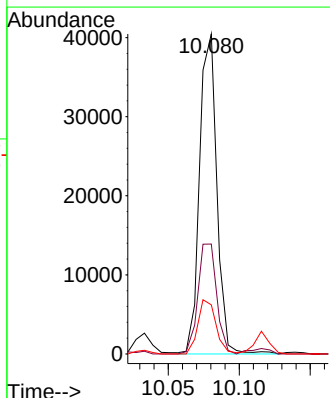
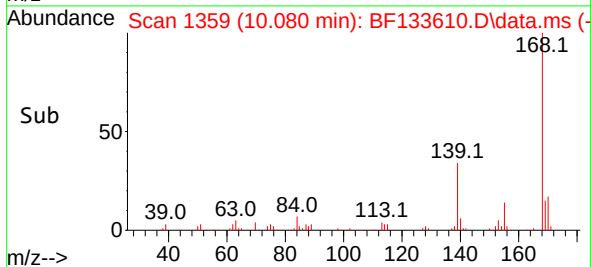
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

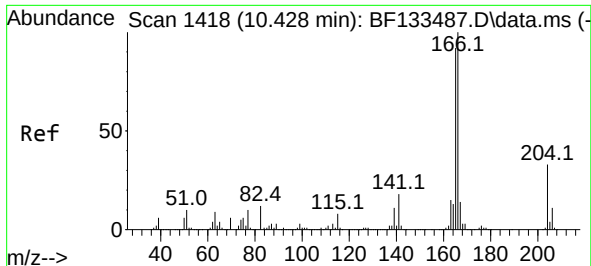


#55
Dibenzofuran
Concen: 2.025 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



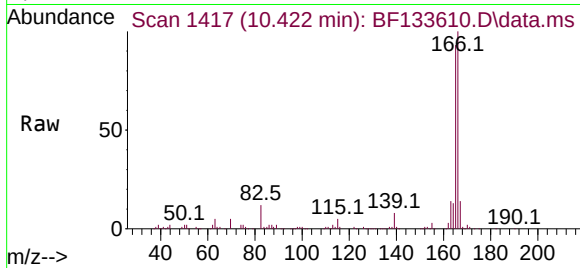
Tgt Ion:168 Resp: 34368
Ion Ratio Lower Upper
168 100
139 34.3 30.6 46.0
169 15.4 10.9 16.3





#58
Fluorene
Concen: 4.900 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

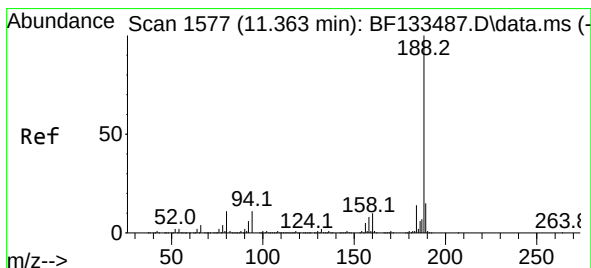
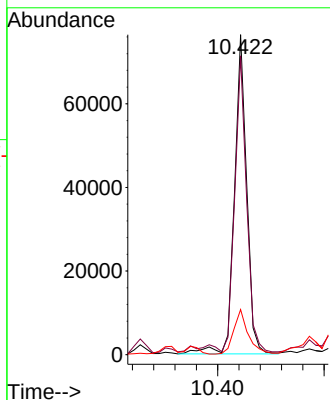
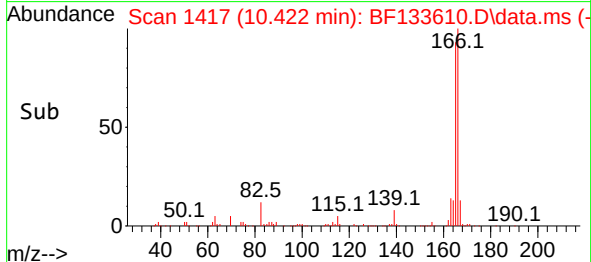
Instrument :
BNA_F
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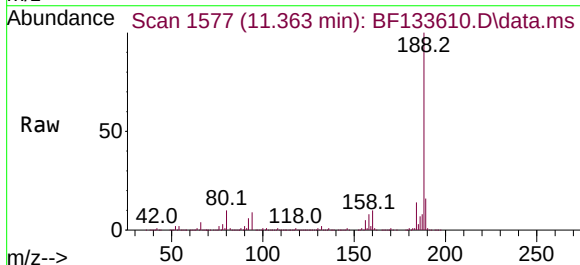
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Ion Ratio Lower Upper
166 100
165 93.4 73.4 110.0
167 14.1 10.9 16.3

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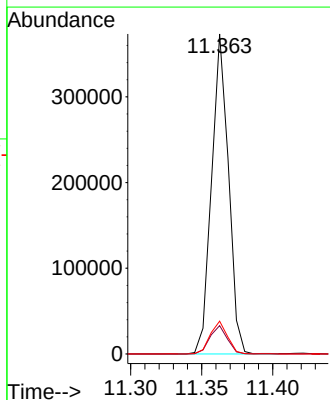
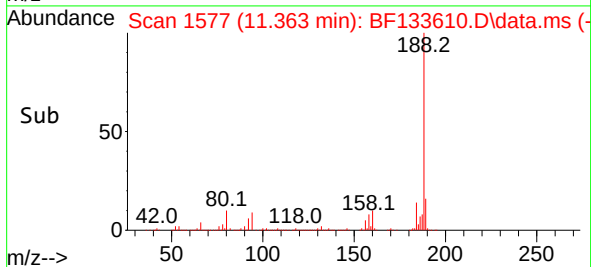
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

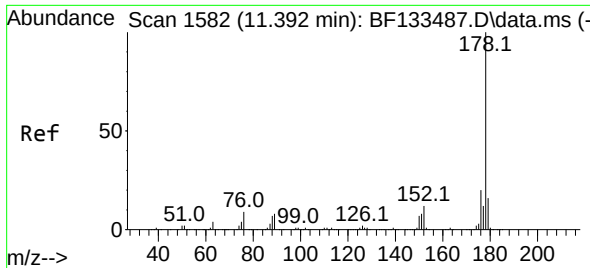


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



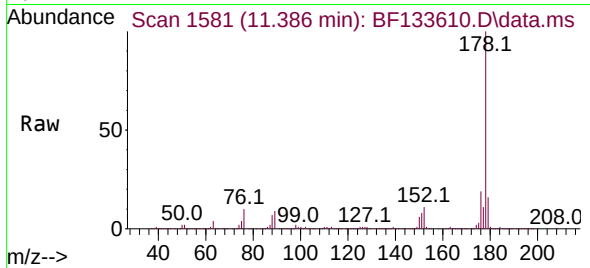
Tgt Ion:188 Resp: 309247
Ion Ratio Lower Upper
188 100
94 8.9 8.6 12.8
80 10.2 9.2 13.8





#71
Phenanthrene
Concen: 36.810 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

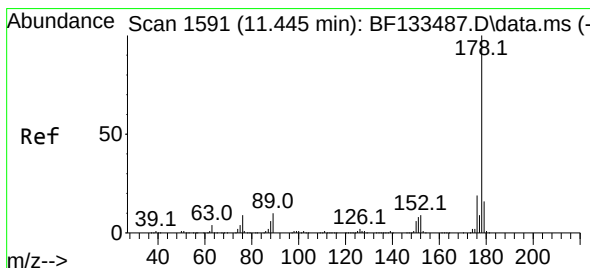
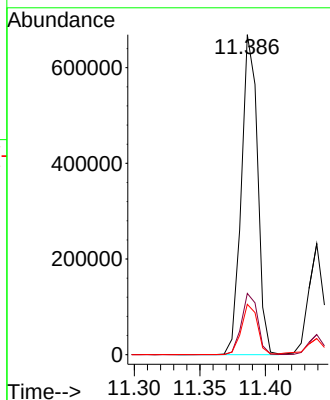
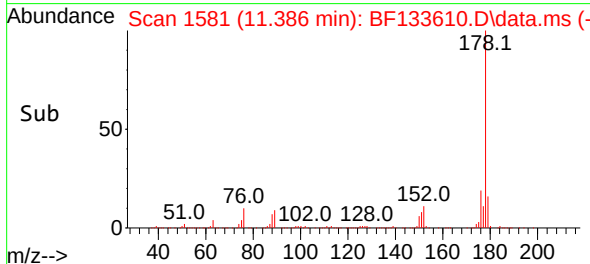
Instrument :
BNA_F
ClientSampleId :
SB07DL



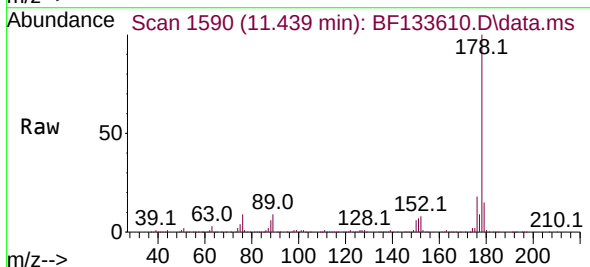
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Ion Ratio Lower Upper
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176 19.2 15.6 23.4
179 15.7 12.4 18.6

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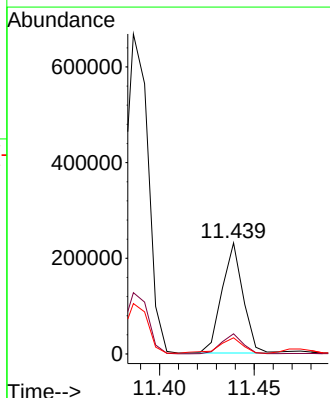
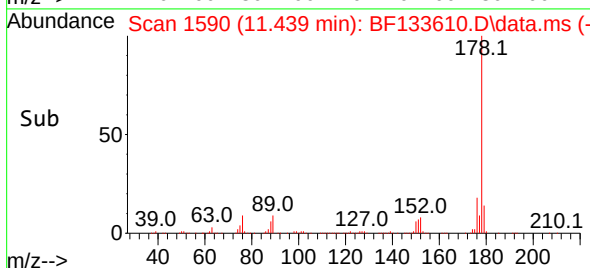
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

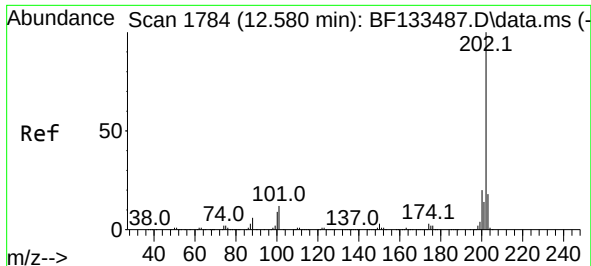


#72
Anthracene
Concen: 11.115 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



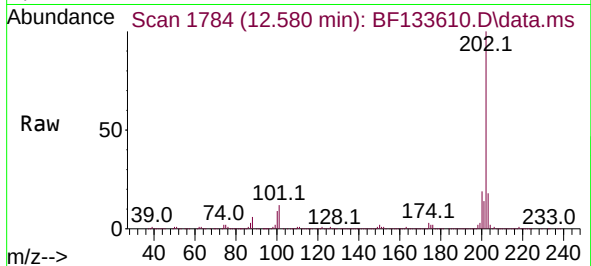
Tgt Ion:178 Resp: 179174
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 14.5 12.6 18.8





#75
Fluoranthene
Concen: 56.287 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

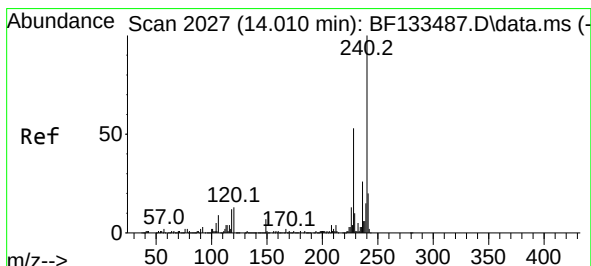
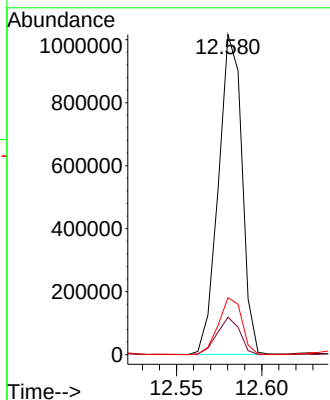
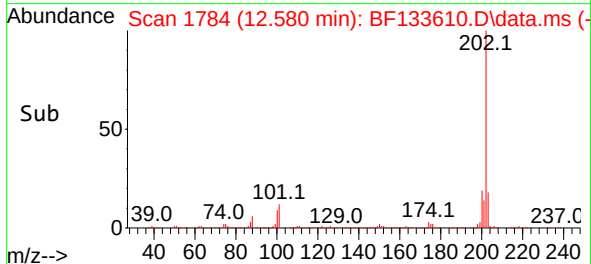
Instrument :
BNA_F
ClientSampleId :
SB07DL



Tgt Ion:202 Resp: 973829
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.2
203 17.8 0.0 37.8

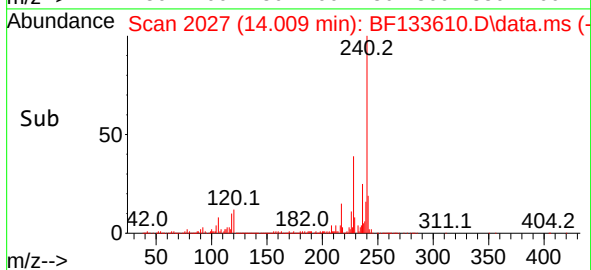
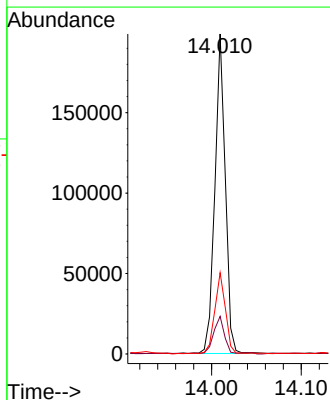
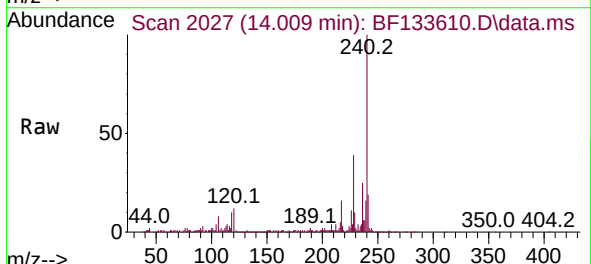
Manual Integrations
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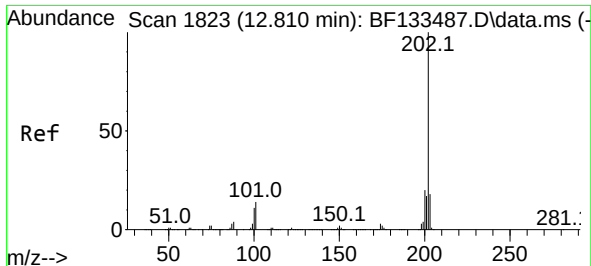
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

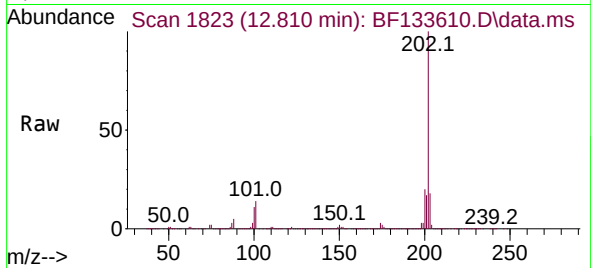
Tgt Ion:240 Resp: 160597
Ion Ratio Lower Upper
240 100
120 11.8 10.3 15.5
236 25.4 20.5 30.7





#78
Pyrene
Concen: 60.904 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

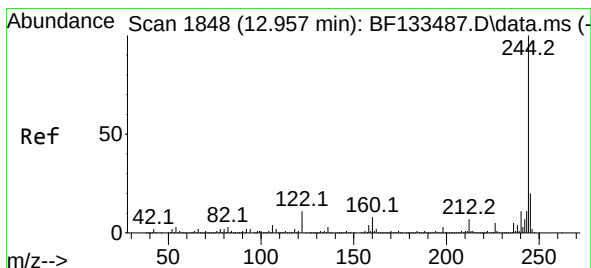
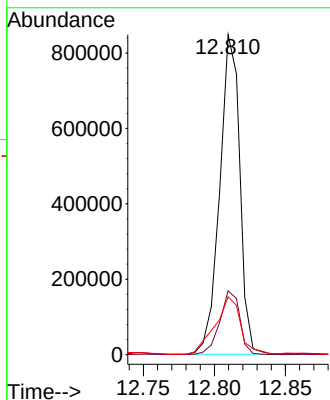
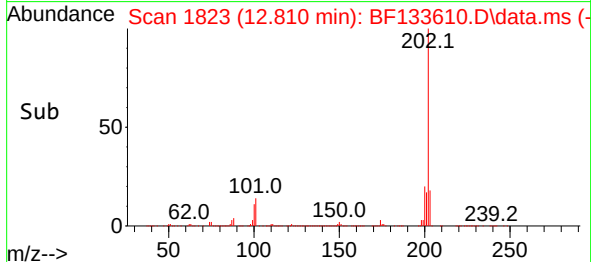
Instrument :
BNA_F
ClientSampleId :
SB07DL



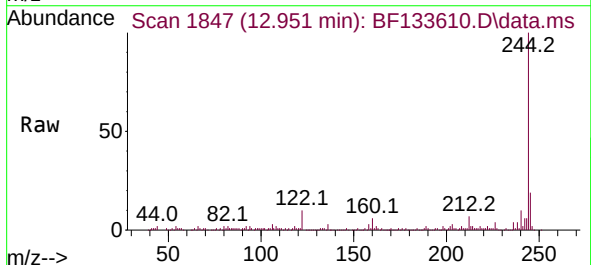
Tgt Ion:202 Resp: 832315
Ion Ratio Lower Upper
202 100
200 20.0 16.3 24.5
203 18.1 14.3 21.5

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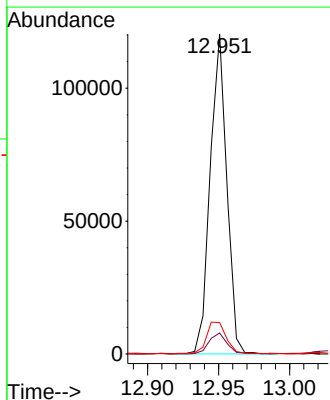
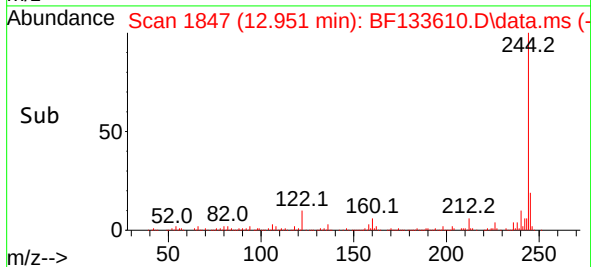
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

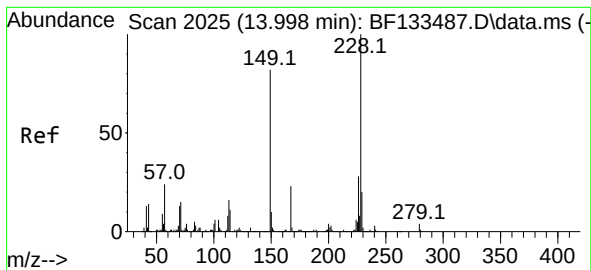


#79
Terphenyl-d14
Concen: 10.820 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



Tgt Ion:244 Resp: 97735
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 9.8 8.5 12.7





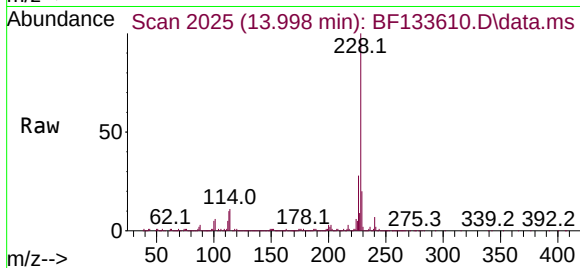
#81
Benzo(a)anthracene
Concen: 31.474 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

Instrument :

BNA_F

ClientSampleId :

SB07DL

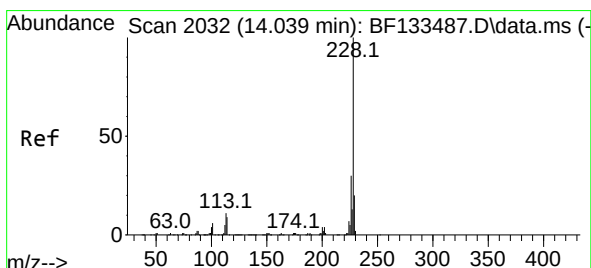
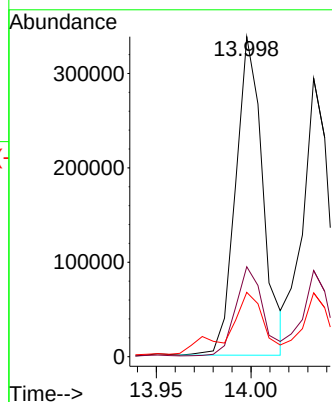
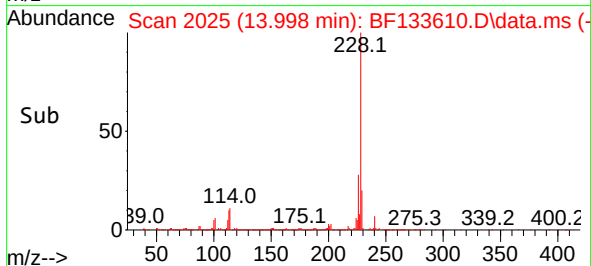


Tgt Ion:228 Resp: 33672
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 20.1 16.1 24.1

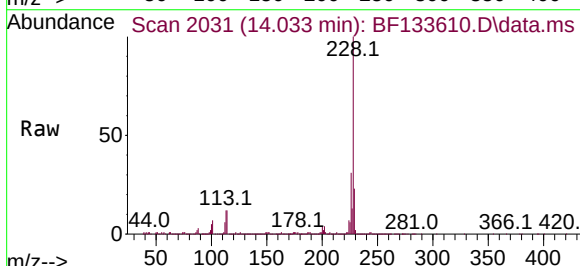
Manual Integrations

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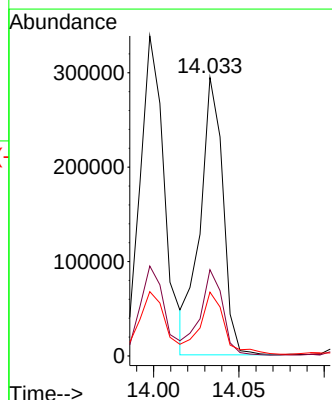
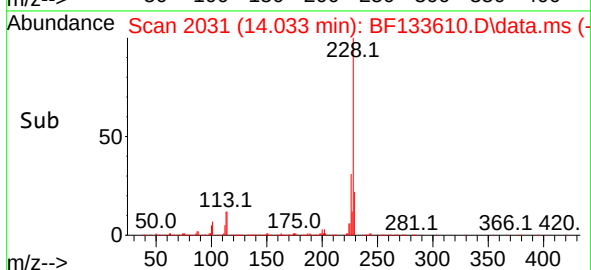
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

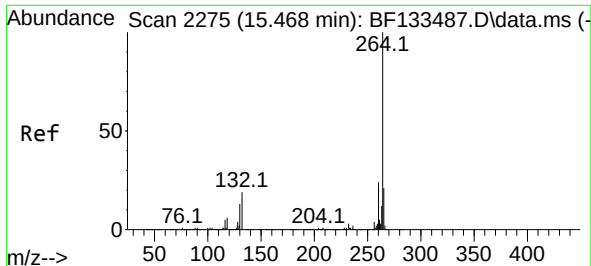


#83
Chrysene
Concen: 25.325 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41



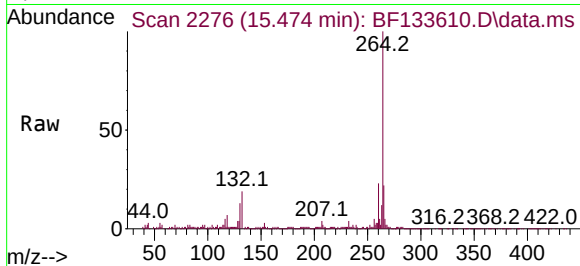
Tgt Ion:228 Resp: 273511
Ion Ratio Lower Upper
228 100
226 31.0 24.1 36.1
229 22.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

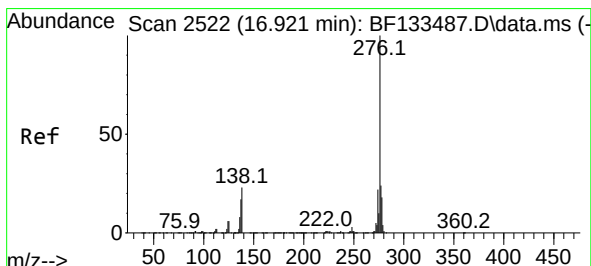
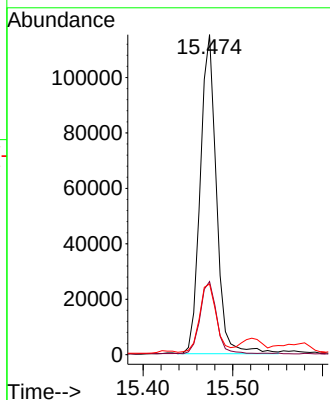
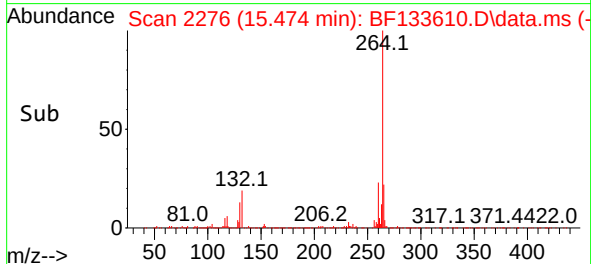
Instrument :
BNA_F
ClientSampleId :
SB07DL



Tgt Ion:264 Resp: 144424
Ion Ratio Lower Upper
264 100
260 22.9 19.0 28.4
265 22.1 16.8 25.2

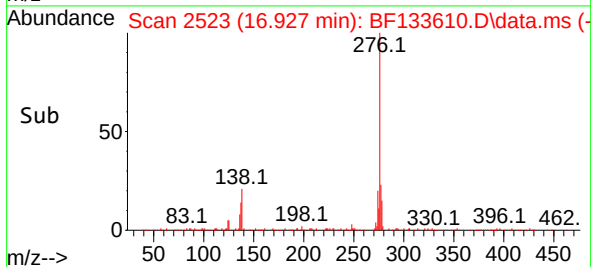
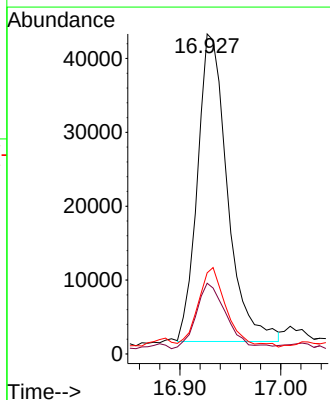
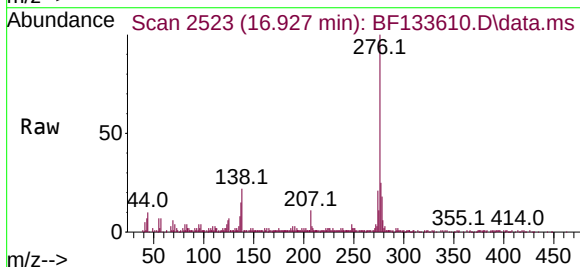
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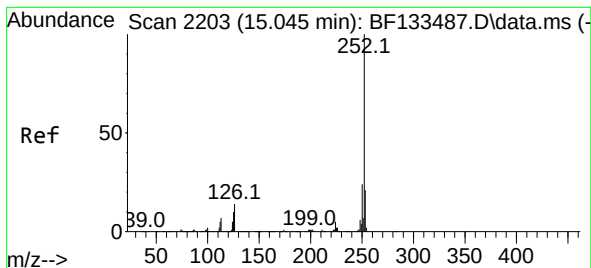
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.330 ng m
RT: 16.927 min Scan# 2523
Delta R.T. -0.006 min
Lab File: BF133610.D
Acq: 07 Jun 2023 02:41

Tgt Ion:276 Resp: 85829
Ion Ratio Lower Upper
276 100
138 5.4 21.4 32.2#
277 5.8 20.0 30.0#





#88

Benzo(b)fluoranthene

Concen: 27.223 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133610.D

Acq: 07 Jun 2023 02:41

Instrument :

BNA_F

ClientSampleId :

SB07DL

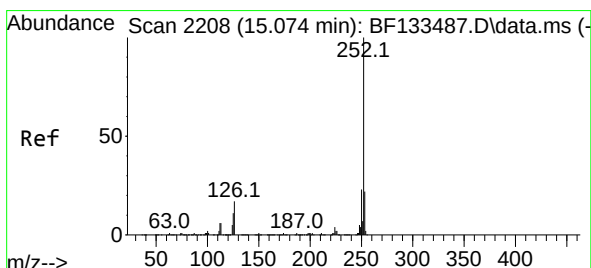
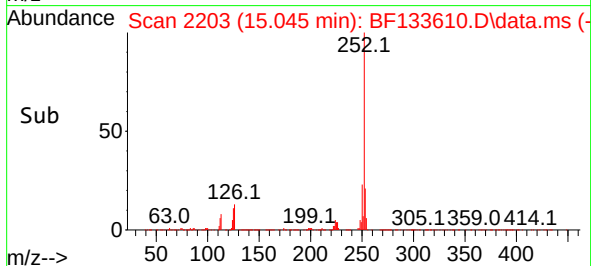
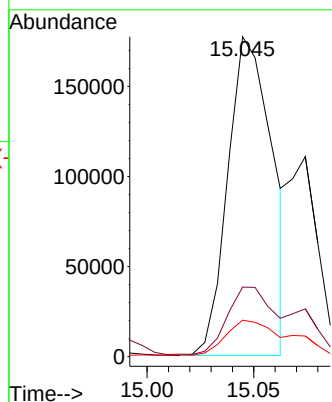
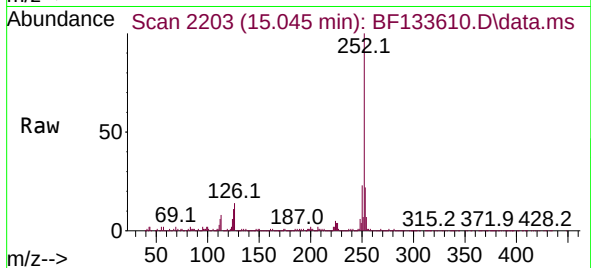
Tgt Ion:252 Resp: 256014
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.2 25.8
 125 11.4 8.1 12.1

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#89

Benzo(k)fluoranthene

Concen: 11.305 ng m

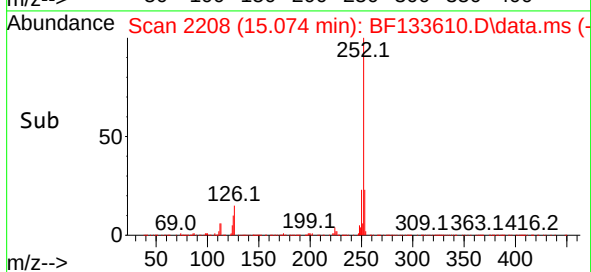
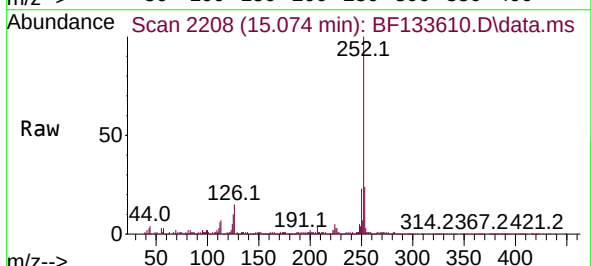
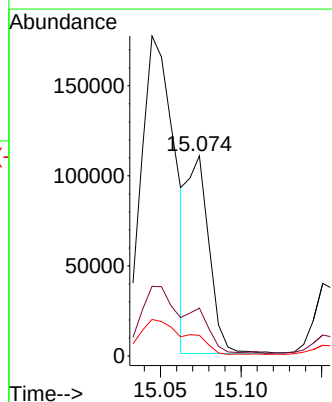
RT: 15.074 min Scan# 2208

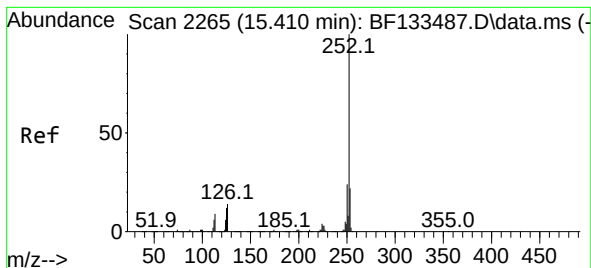
Delta R.T. 0.000 min

Lab File: BF133610.D

Acq: 07 Jun 2023 02:41

Tgt Ion:252 Resp: 103672
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.4 26.2
 125 10.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 22.708 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133610.D

Acq: 07 Jun 2023 02:41

Instrument :

BNA_F

ClientSampleId :

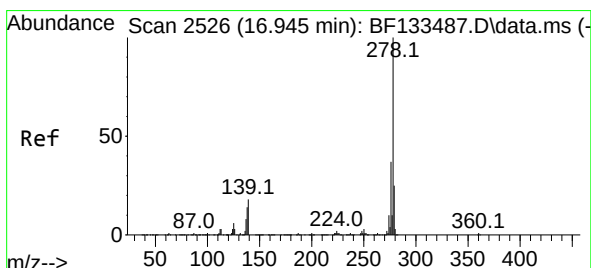
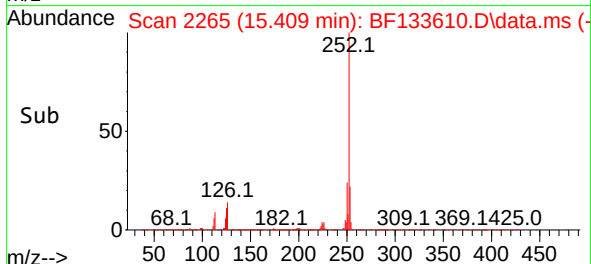
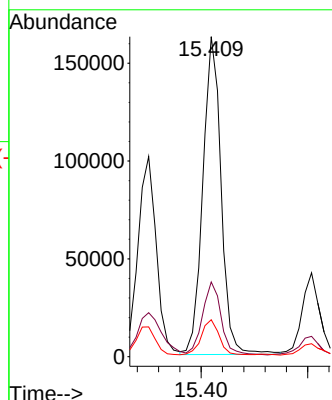
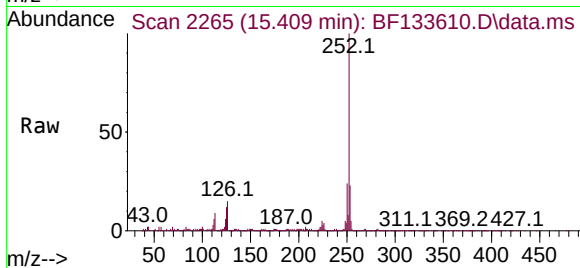
SB07DL

Tgt Ion:	252	Resp:	194320
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	11.5	9.4	14.0

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 3.108 ng m

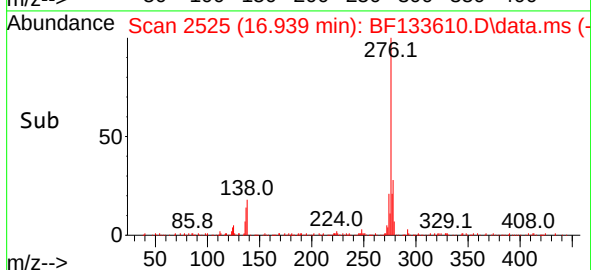
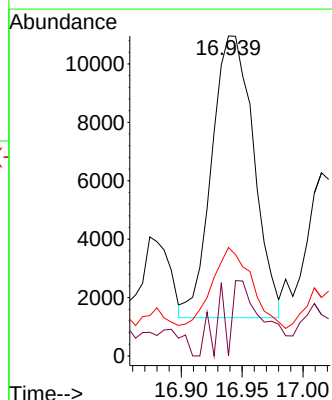
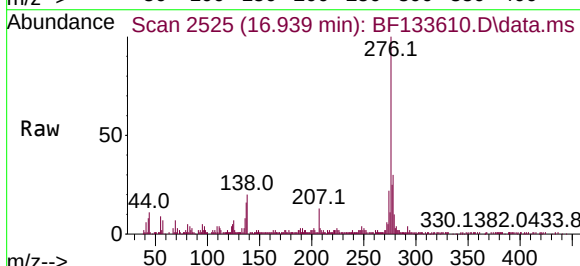
RT: 16.939 min Scan# 2525

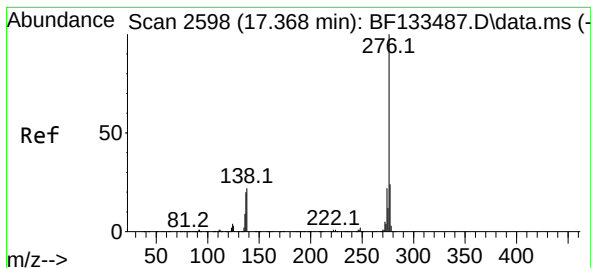
Delta R.T. -0.012 min

Lab File: BF133610.D

Acq: 07 Jun 2023 02:41

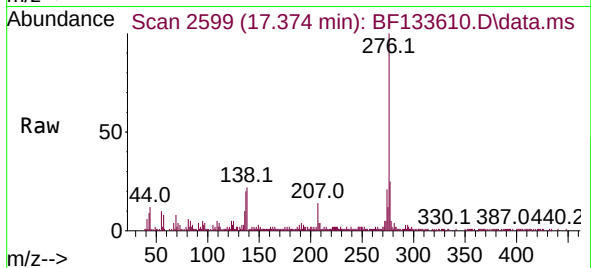
Tgt Ion:	278	Resp:	23179
Ion Ratio	Lower	Upper	
278	100		
139	0.0	14.1	21.1#
279	33.9	19.7	29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 10.356 ng
 RT: 17.374 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133610.D
 Acq: 07 Jun 2023 02:41

Instrument :
 BNA_F
 ClientSampleId :
 SB07DL



Tgt Ion:276 Resp: 77889
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.8 28.2
 138 22.3 17.8 26.6

Manual Integrations
 APPROVED

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

