

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133742.D
 Acq On : 13 Jun 2023 21:12
 Operator : CG\JU
 Sample : 03044-09DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-5.0-7.0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/14/2023
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 13 21:51:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	64492	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	209263	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	95753	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	207261	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	170455	20.000	ng	0.00
86) Perylene-d12	15.468	264	121788	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	35573	9.603	ng	-0.01
7) Phenol-d6	6.451	99	39350	8.160	ng	-0.02
23) Nitrobenzene-d5	7.387	82	22607	5.884	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	10765	8.882	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	44648	6.628	ng	-0.01
79) Terphenyl-d14	12.945	244	64893	5.891	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	28191	4.995	ng	99
55) Dibenzofuran	10.075	168	31537	3.662	ng	97
58) Fluorene	10.416	166	31478	4.780	ng	100
71) Phenanthrene	11.386	178	532637	50.653	ng	100
72) Anthracene	11.433	178	123739	11.286	ng	99
73) Carbazole	11.586	167	41458	4.060	ng	99
75) Fluoranthene	12.580	202	764696	68.481	ng	100
78) Pyrene	12.810	202	701117	44.155	ng	99
81) Benzo(a)anthracene	13.998	228	302343	25.643	ng	96
83) Chrysene	14.033	228	270629	24.268	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	88130	10.518	ng	96
88) Benzo(b)fluoranthene	15.045	252	238049m	32.177	ng	
89) Benzo(k)fluoranthene	15.069	252	65496m	9.088	ng	
90) Benzo(a)pyrene	15.410	252	160547	23.383	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	23154	3.338	ng	# 90
92) Benzo(g,h,i)perylene	17.368	276	83910	12.201	ng	96

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

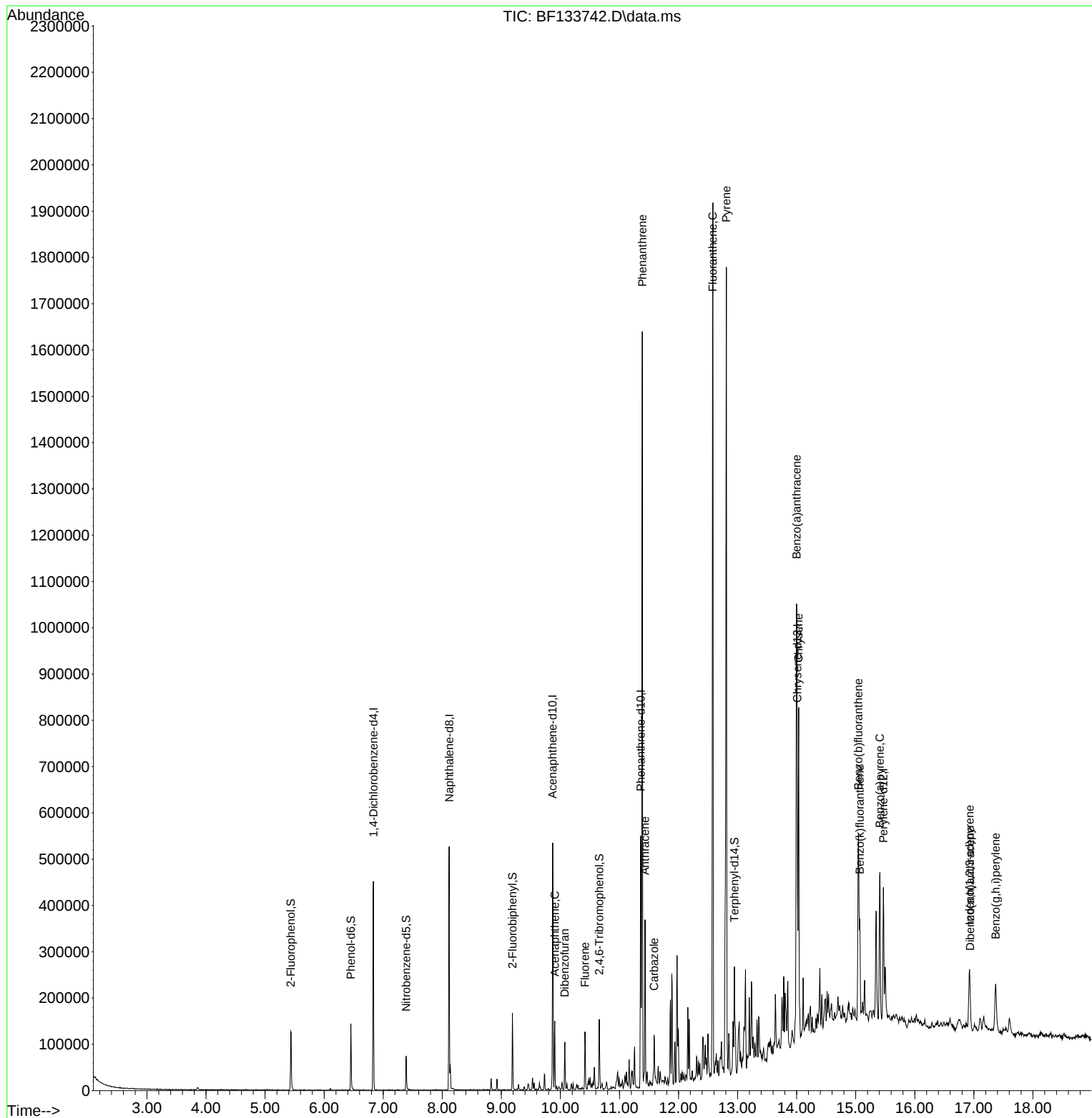
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
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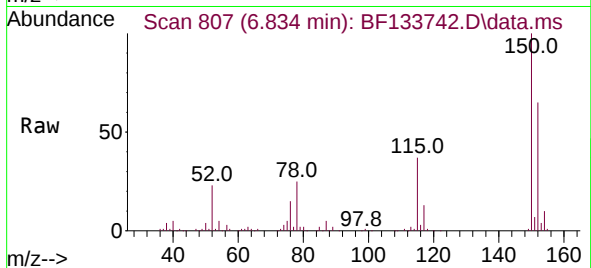
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

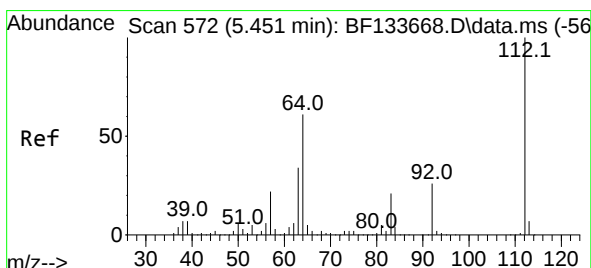
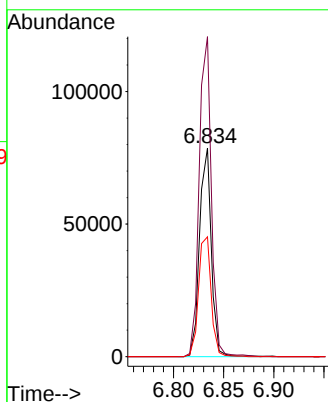
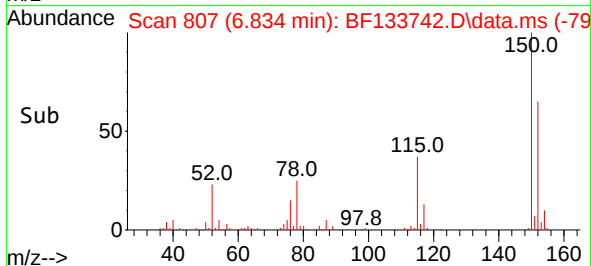
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL



Tgt Ion:152 Resp: 64492
Ion Ratio Lower Upper
152 100
150 153.4 124.3 186.5
115 57.4 48.5 72.7

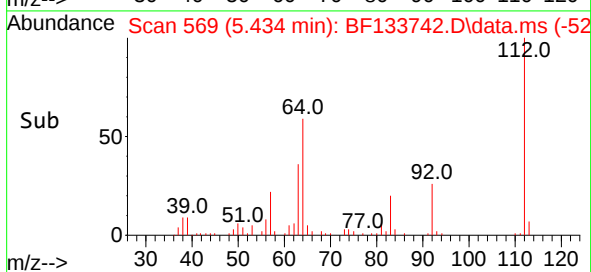
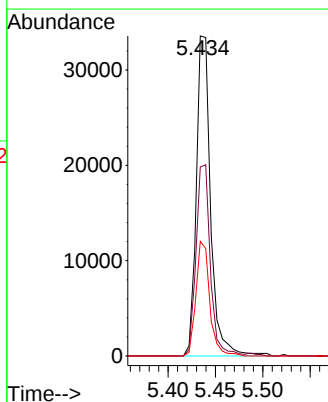
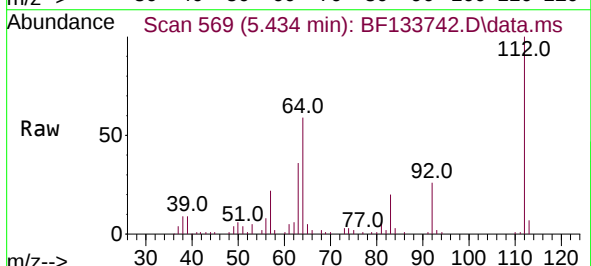
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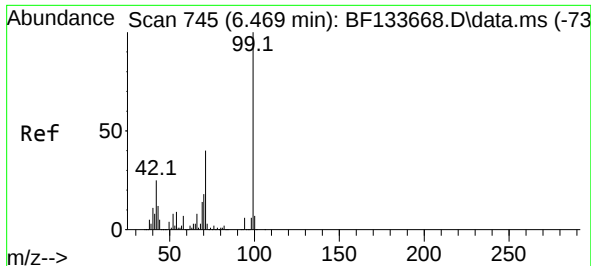
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#5
2-Fluorophenol
Concen: 9.603 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

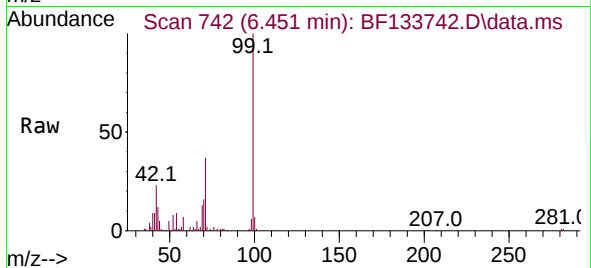
Tgt Ion:112 Resp: 35573
Ion Ratio Lower Upper
112 100
64 59.1 49.0 73.4
63 35.9 26.8 40.2





#7
Phenol-d6
Concen: 8.160 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.017 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

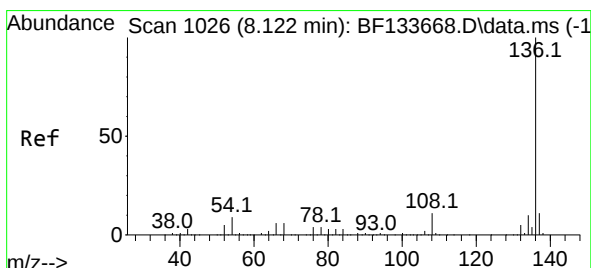
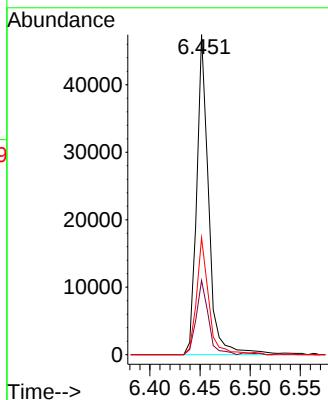
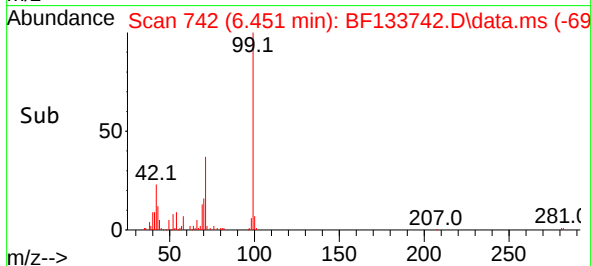
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL



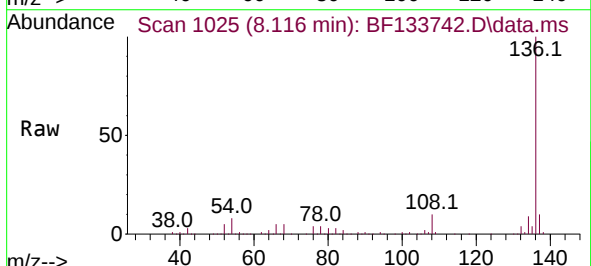
Tgt Ion: 99 Resp: 39350
Ion Ratio Lower Upper
99 100
42 23.2 19.9 29.9
71 36.6 32.2 48.4

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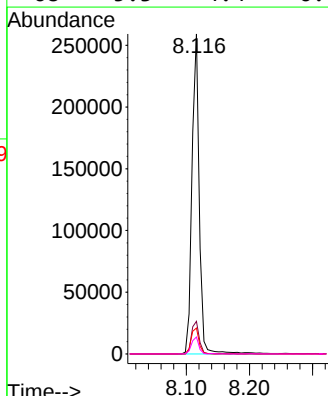
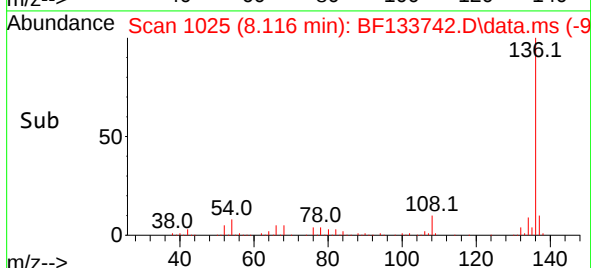
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023

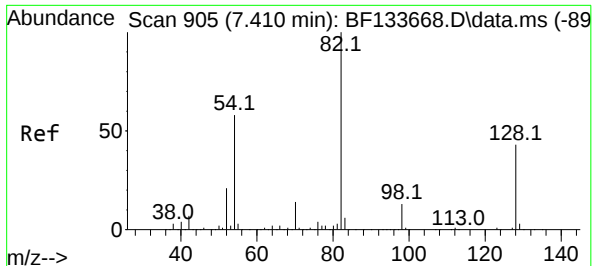


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12



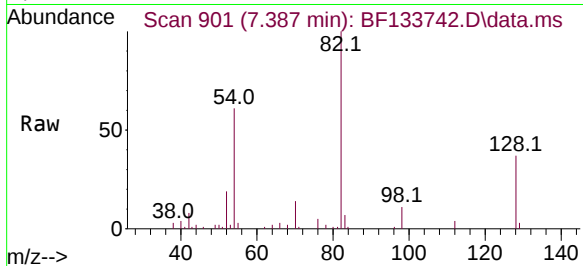
Tgt Ion:136 Resp: 209263
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 8.1 7.4 11.0
68 5.3 4.4 6.6





#23
Nitrobenzene-d5
Concen: 5.884 ng
RT: 7.387 min Scan# 905
Delta R.T. -0.017 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

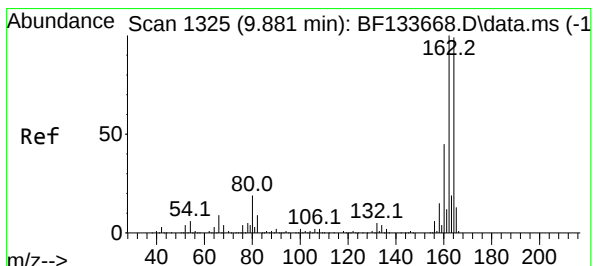
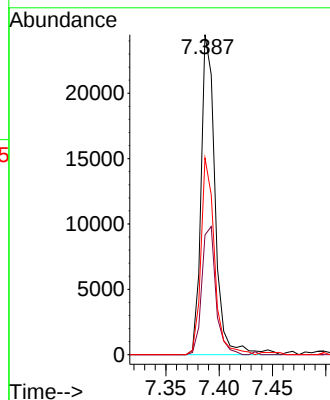
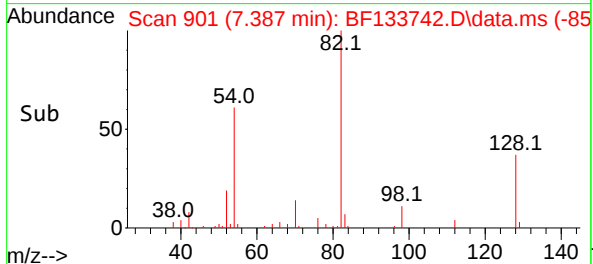
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL



Tgt Ion: 82 Resp: 2260
Ion Ratio Lower Upper
82 100
128 37.4 34.2 51.2
54 61.5 46.5 69.7

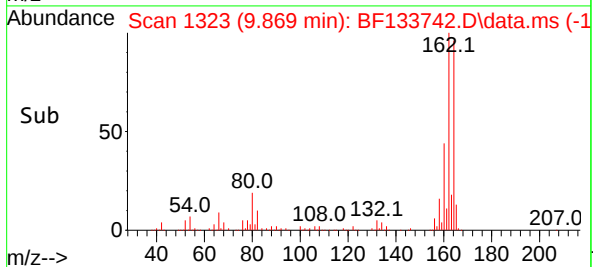
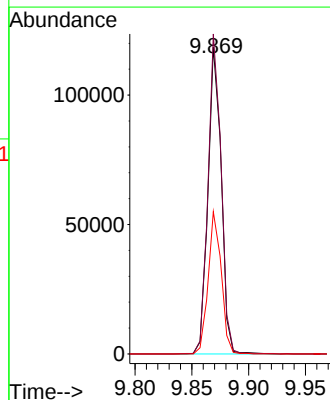
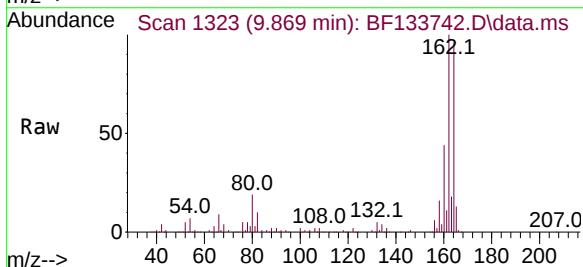
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Supervised By :mohammad ahmed 06/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

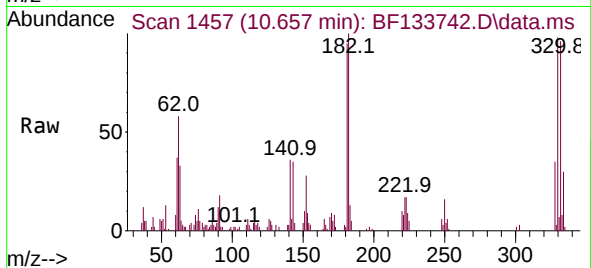
Tgt Ion:164 Resp: 95753
Ion Ratio Lower Upper
164 100
162 104.3 80.8 121.2
160 46.4 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 8.882 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

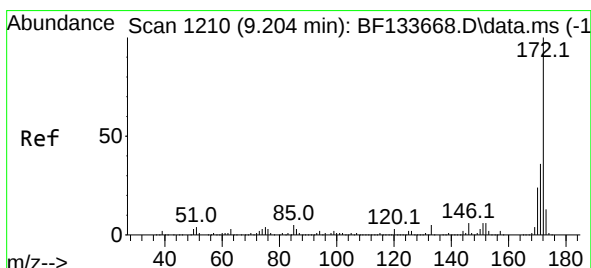
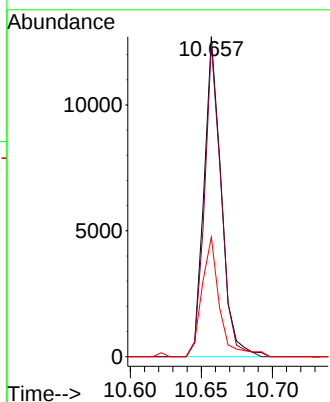
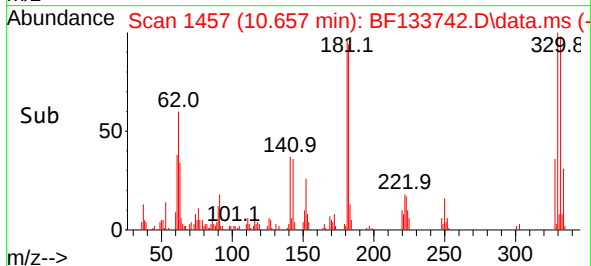
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL



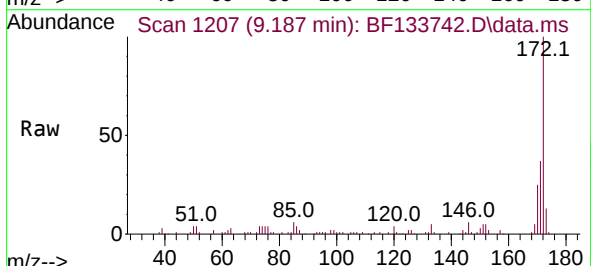
Tgt Ion: 330 Resp: 10768
Ion Ratio Lower Upper
330 100
332 94.3 77.2 115.8
141 38.3 24.9 37.3

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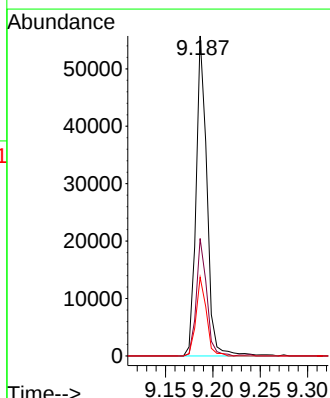
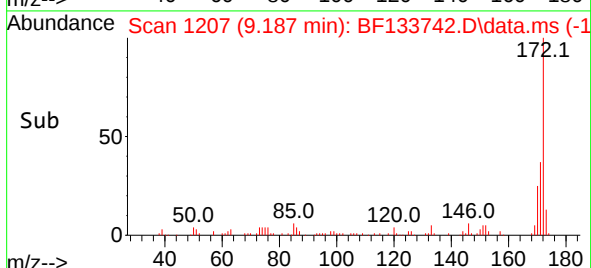
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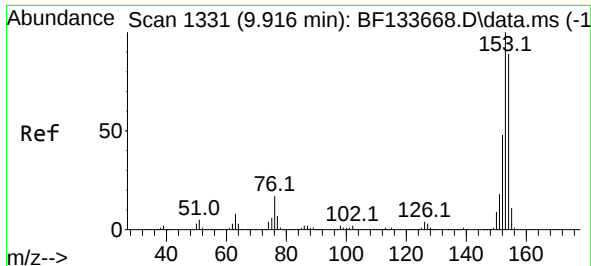


#45
2-Fluorobiphenyl
Concen: 6.628 ng
RT: 9.187 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12



Tgt Ion: 172 Resp: 44648
Ion Ratio Lower Upper
172 100
171 36.7 28.6 43.0
170 24.6 19.1 28.7





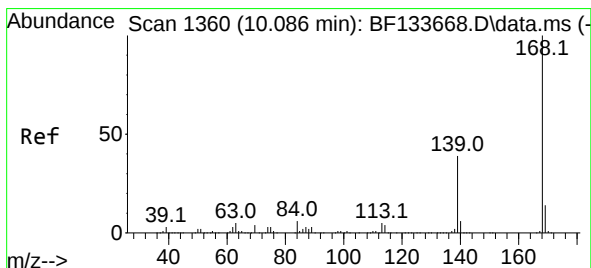
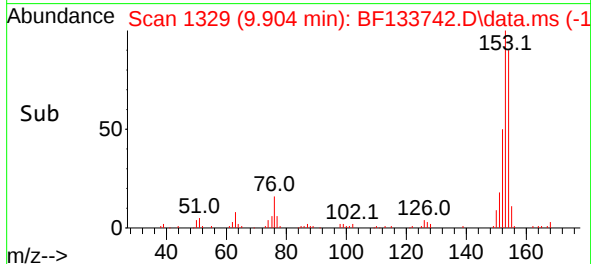
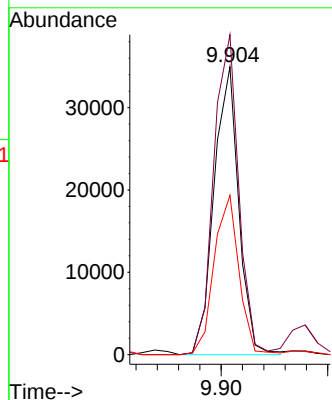
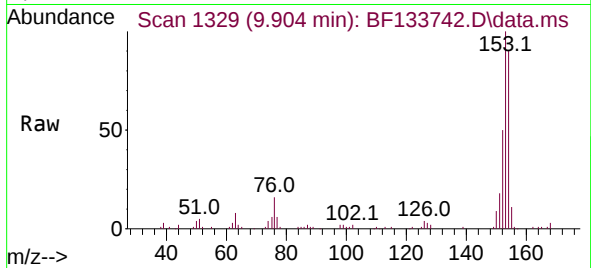
#52
Acenaphthene
Concen: 4.995 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

Tgt Ion:154 Resp: 2819
Ion Ratio Lower Upper
154 100
153 111.2 89.8 134.8
152 55.4 43.4 65.2

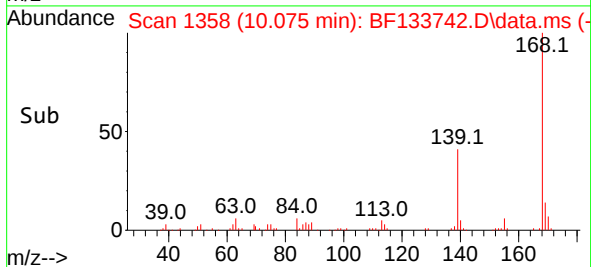
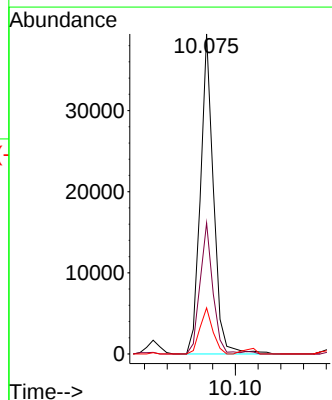
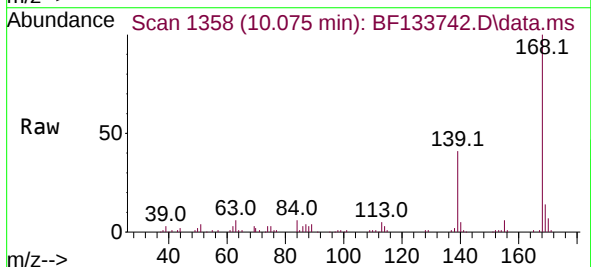
Manual Integrations
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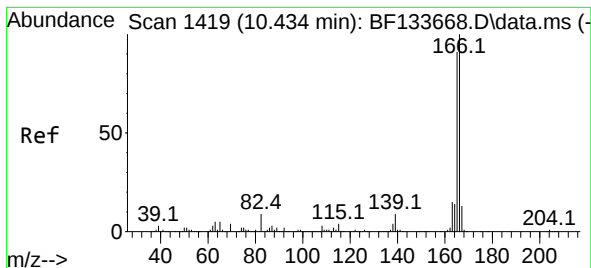
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#55
Dibenzofuran
Concen: 3.662 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:168 Resp: 31537
Ion Ratio Lower Upper
168 100
139 40.9 30.9 46.3
169 14.4 10.9 16.3





#58

Fluorene

Concen: 4.780 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF133742.D

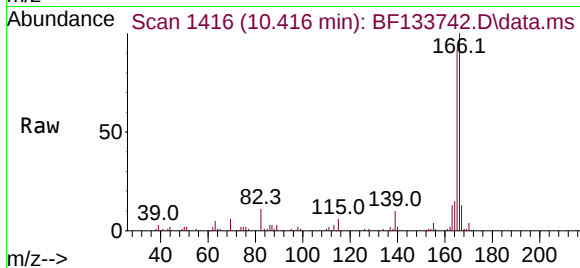
Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL



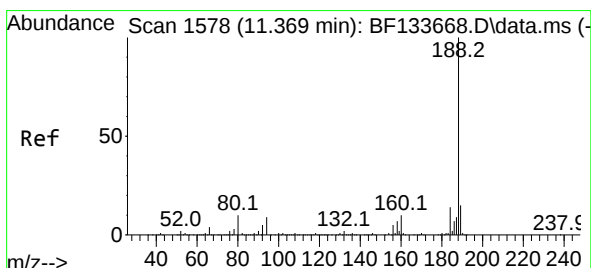
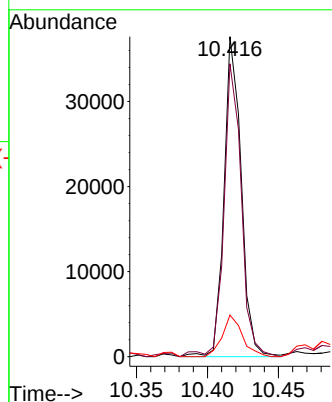
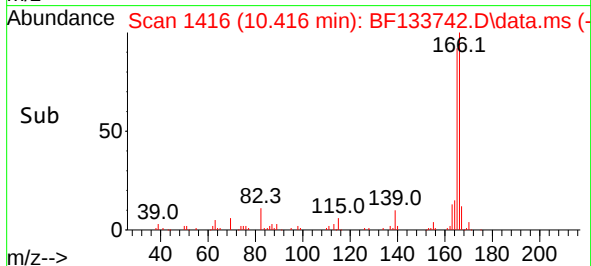
Tgt Ion:	166	Resp:	31478
Ion Ratio	Lower	Upper	
166	100		
165	91.5	73.1	109.7
167	13.0	10.5	15.7

Manual Integrations

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Supervised By :mohammad ahmed 06/16/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

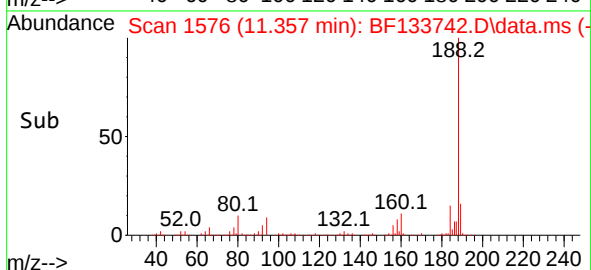
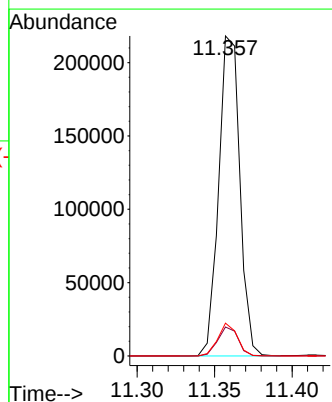
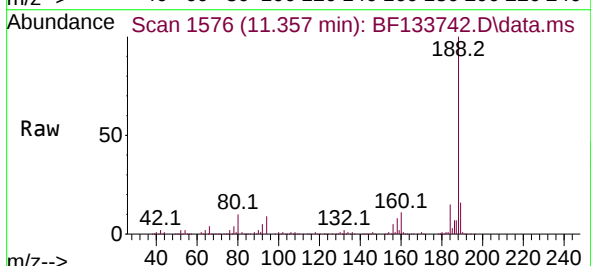
RT: 11.357 min Scan# 1576

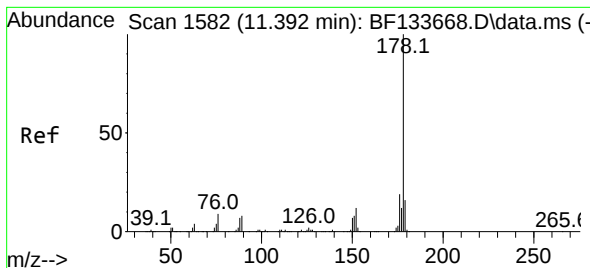
Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Tgt Ion:	188	Resp:	207261
Ion Ratio	Lower	Upper	
188	100		
94	9.1	6.8	10.2
80	10.2	7.8	11.6





#71

Phenanthrene

Concen: 50.653 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL

Tgt Ion:178 Resp: 53263

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

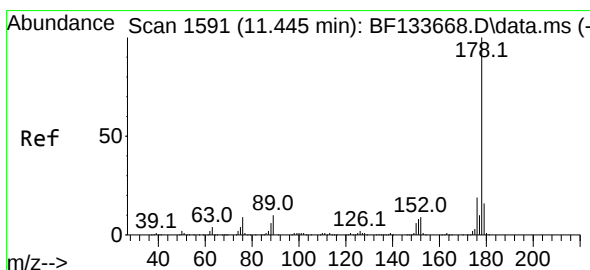
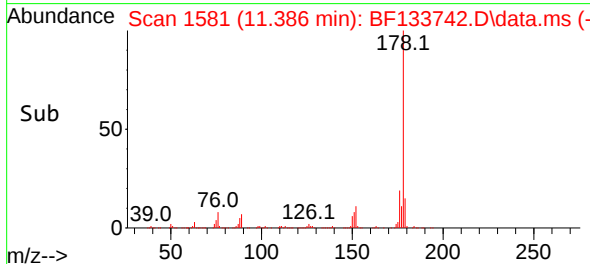
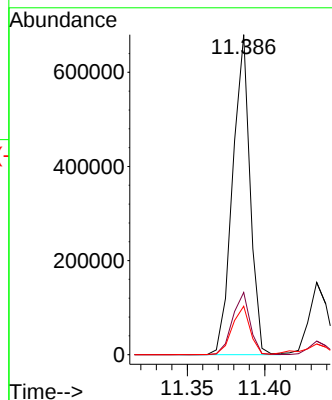
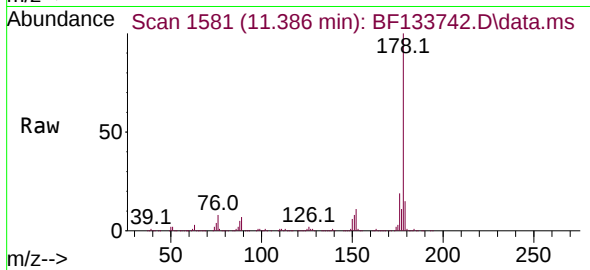
179 15.2 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023



#72

Anthracene

Concen: 11.286 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

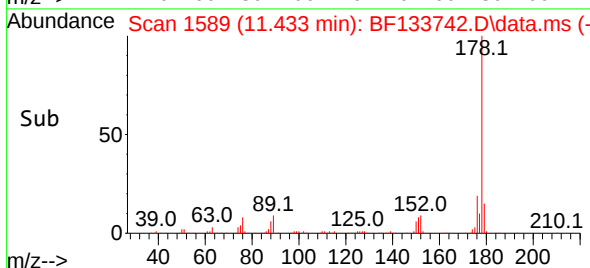
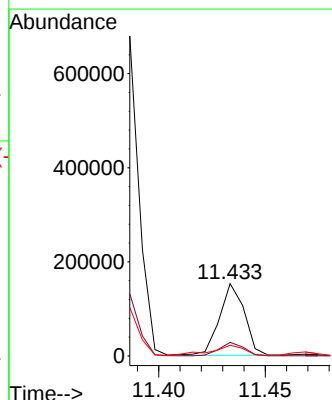
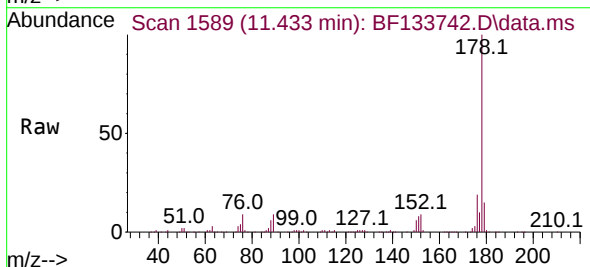
Tgt Ion:178 Resp: 123739

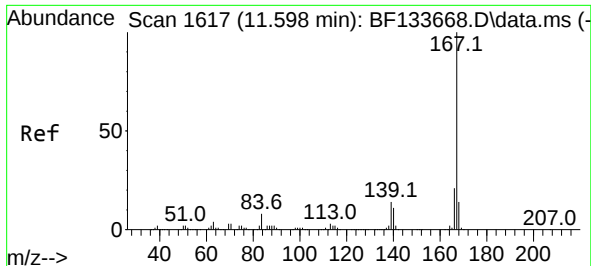
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

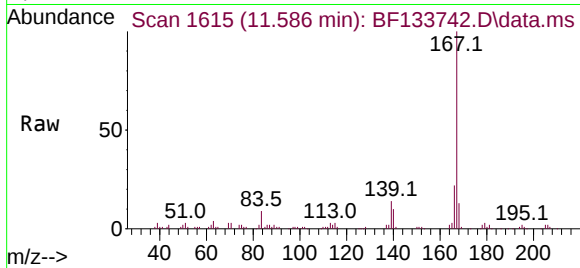
179 14.8 12.6 18.8





#73
 Carbazole
 Concen: 4.060 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

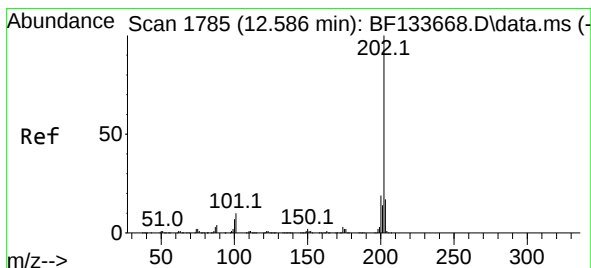
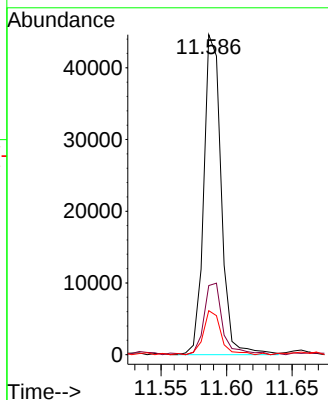
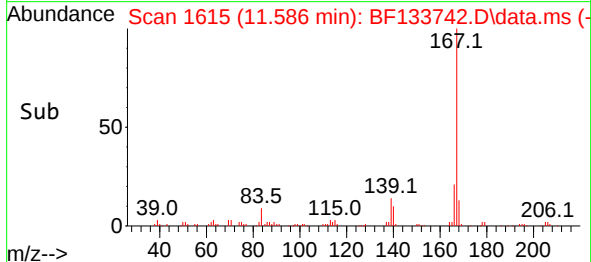
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-5.0-7.0DL



Tgt Ion:167 Resp: 41458
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.7 11.2 16.8

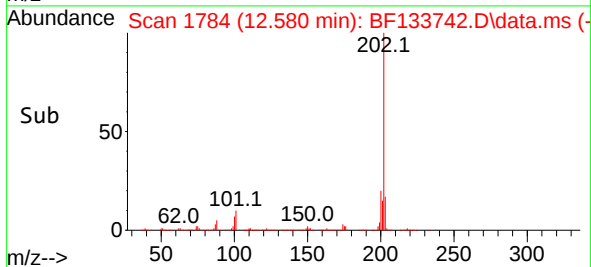
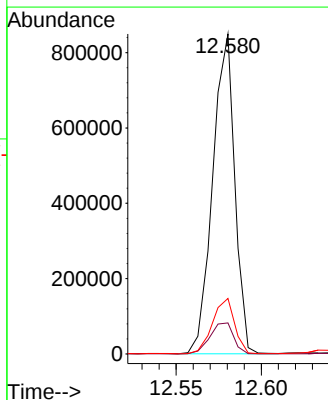
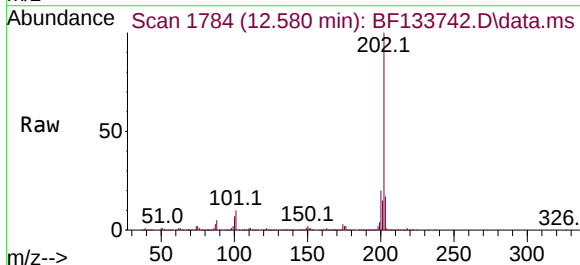
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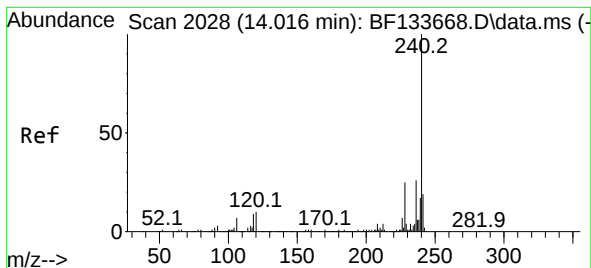
Reviewed By :Yogesh Patel 06/14/2023
 Supervised By :mohammad ahmed 06/16/2023



#75
 Fluoranthene
 Concen: 68.481 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.006 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

Tgt Ion:202 Resp: 764696
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.6
 203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL

Tgt Ion:240 Resp: 17045

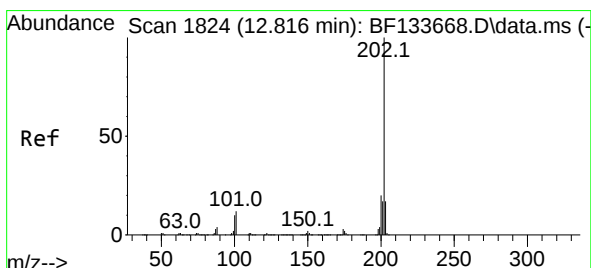
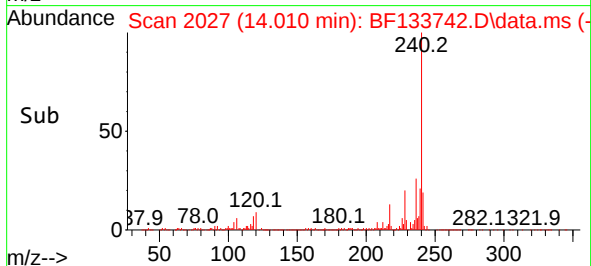
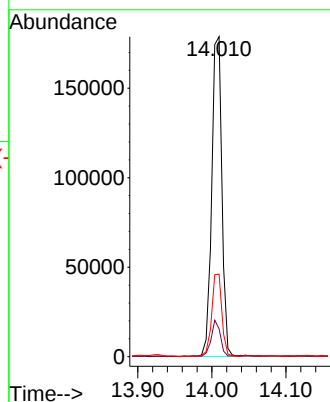
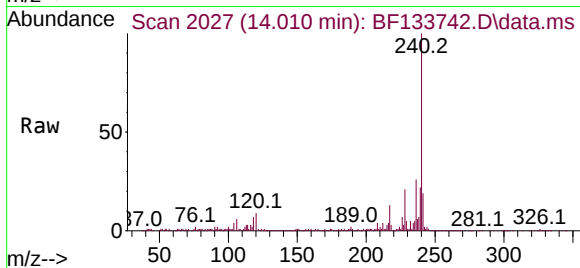
Ion	Ratio	Lower	Upper
240	100		
120	8.7	8.1	12.1
236	25.8	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023



#78

Pyrene

Concen: 44.155 ng

RT: 12.810 min Scan# 1823

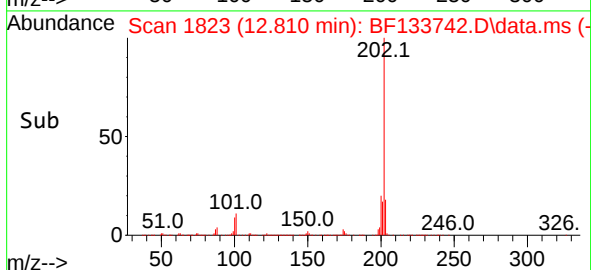
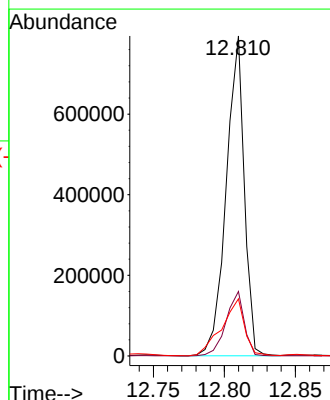
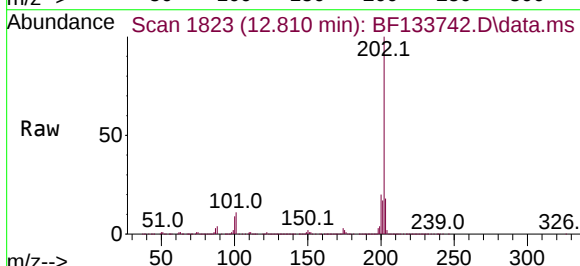
Delta R.T. -0.006 min

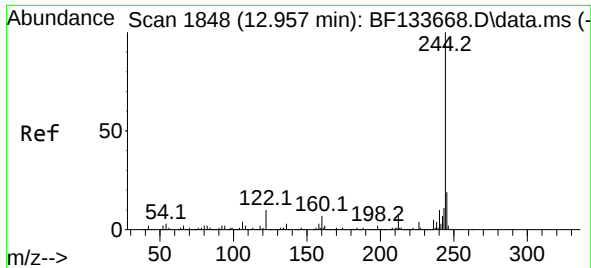
Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Tgt Ion:202 Resp: 701117

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.2
203	17.8	13.9	20.9





#79
 Terphenyl-d14
 Concen: 5.891 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

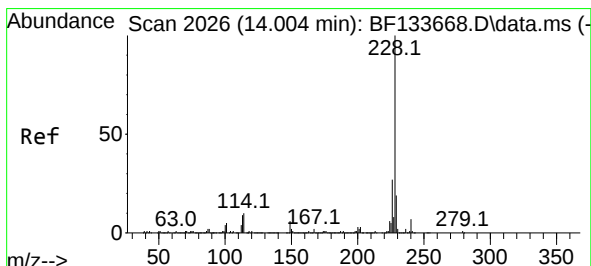
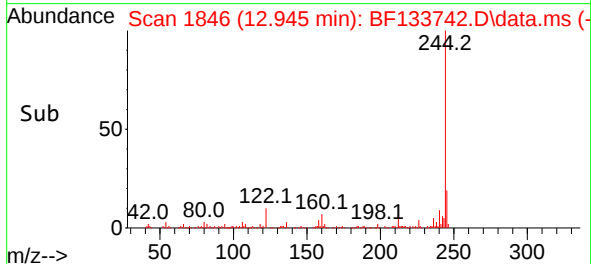
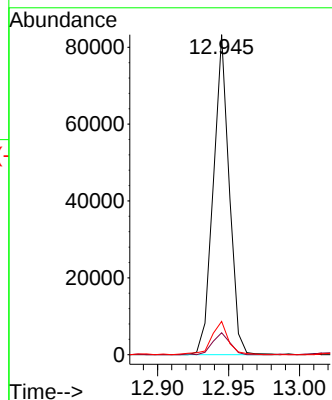
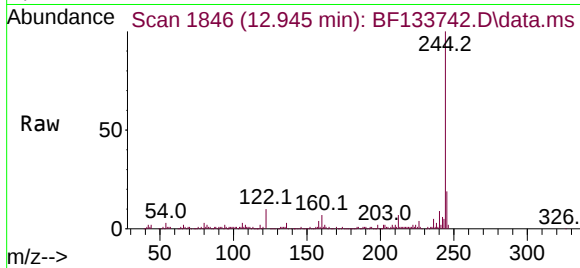
ClientSampleId :

SB-04-5.0-7.0DL

Tgt Ion:244 Resp: 6489
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.4 8.1 12.1

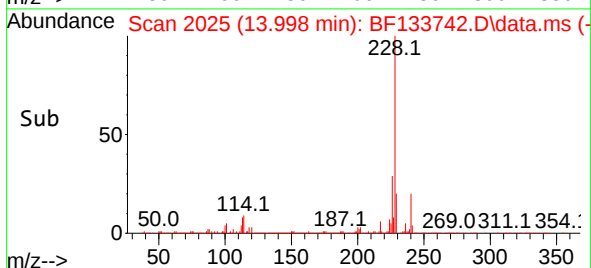
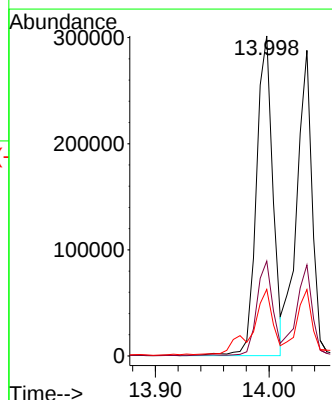
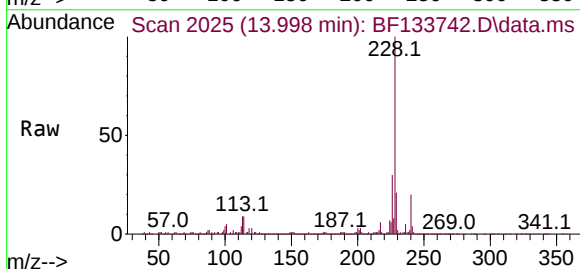
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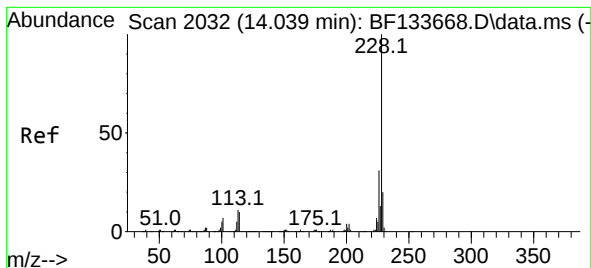
Reviewed By :Yogesh Patel 06/14/2023
 Supervised By :mohammad ahmed 06/16/2023



#81
 Benzo(a)anthracene
 Concen: 25.643 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

Tgt Ion:228 Resp: 302343
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.7 32.5
 229 20.8 15.4 23.2





#83

Chrysene

Concen: 24.268 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL

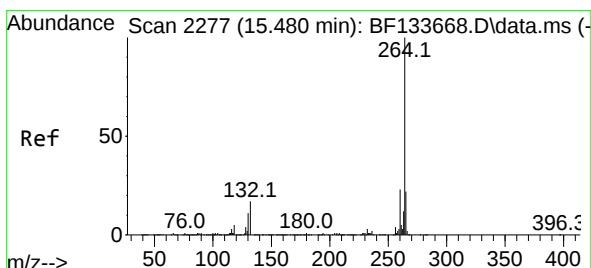
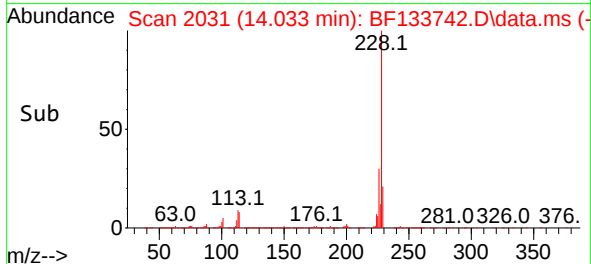
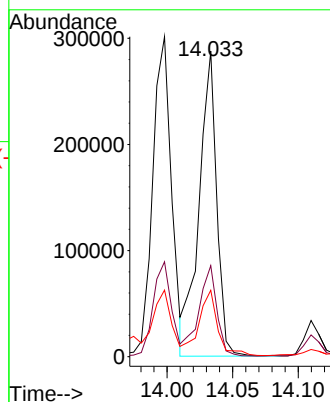
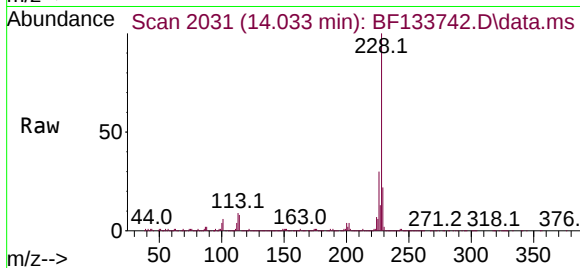
Tgt Ion:228	Resp: 270629
Ion Ratio	Lower Upper
228 100	
226 29.8	25.0 37.6
229 21.7	15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023



#86

Perylene-d12

Concen: 20.000 ng

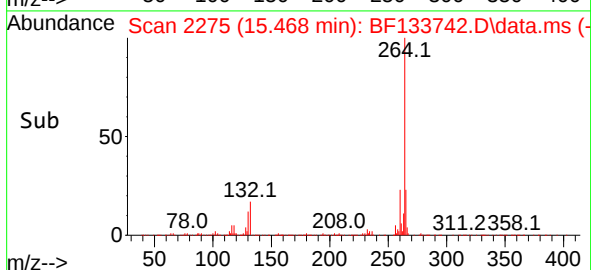
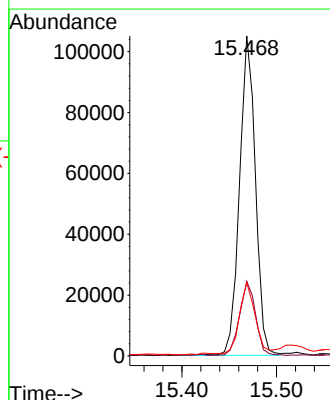
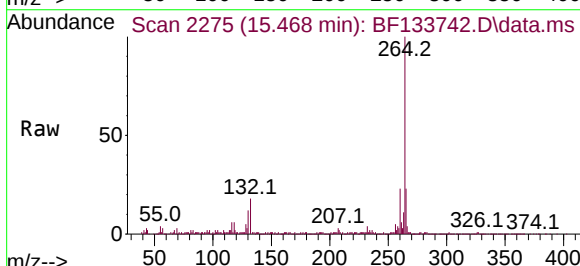
RT: 15.468 min Scan# 2275

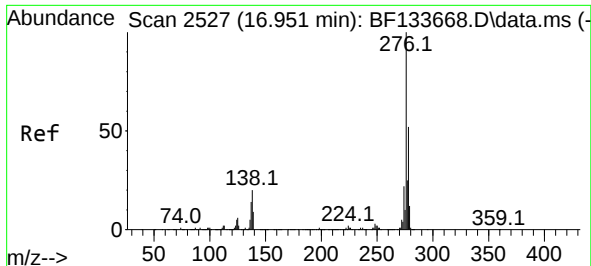
Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Tgt Ion:264	Resp: 121788
Ion Ratio	Lower Upper
264 100	
260 23.3	18.2 27.2
265 22.9	17.8 26.6





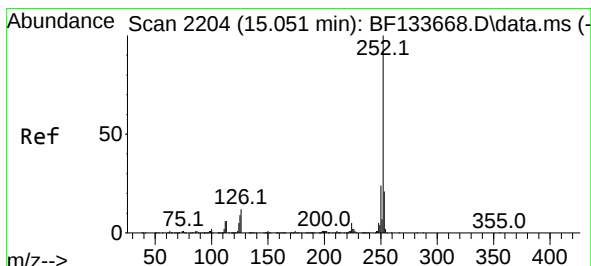
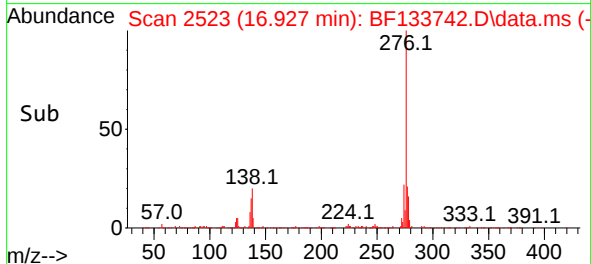
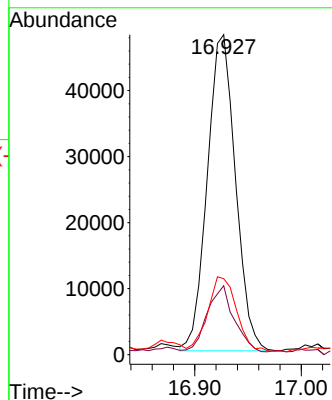
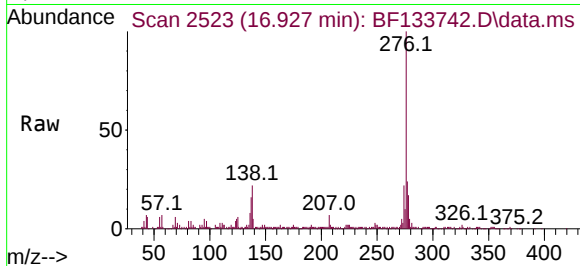
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.518 ng
RT: 16.927 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

Tgt Ion:276 Resp: 88130
Ion Ratio Lower Upper
276 100
138 20.4 17.9 26.9
277 23.9 20.3 30.5

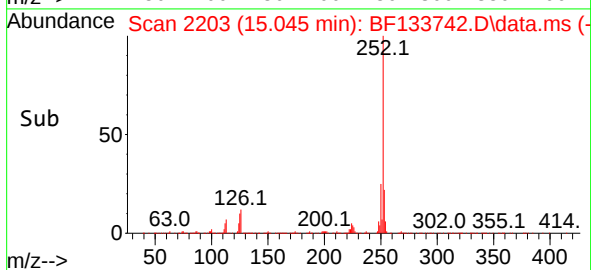
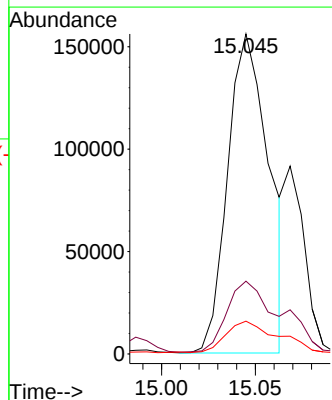
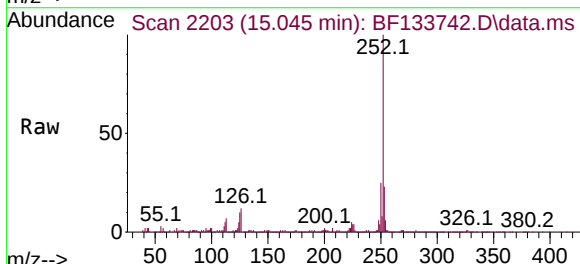
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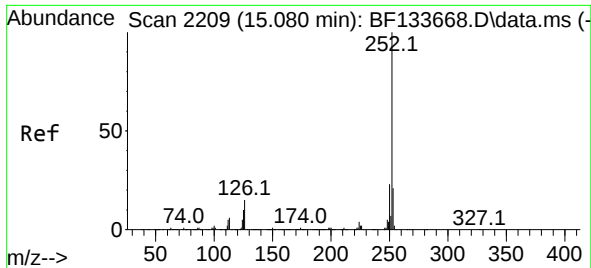
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#88
Benzo(b)fluoranthene
Concen: 32.177 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

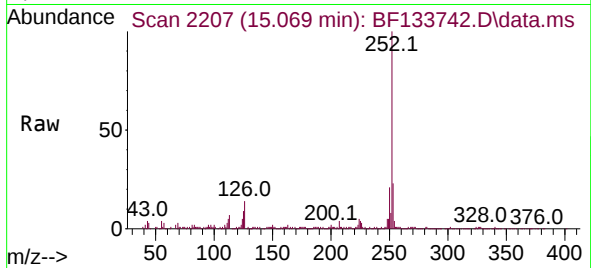
Tgt Ion:252 Resp: 238049
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.3 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 9.088 ng m
RT: 15.069 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

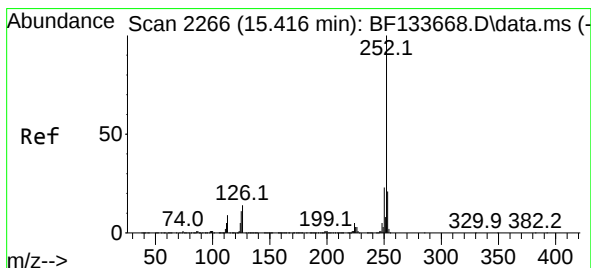
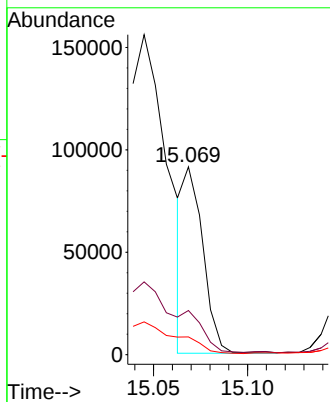
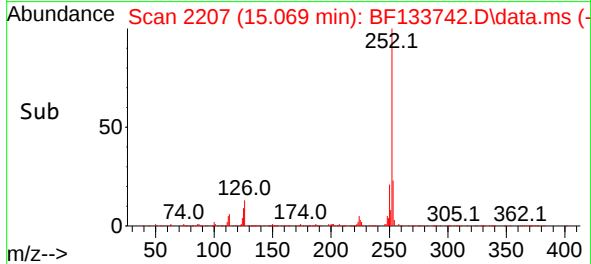
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL



Tgt Ion:252 Resp: 65490
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 9.5 7.8 11.6

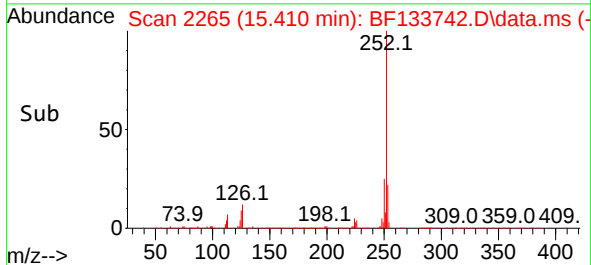
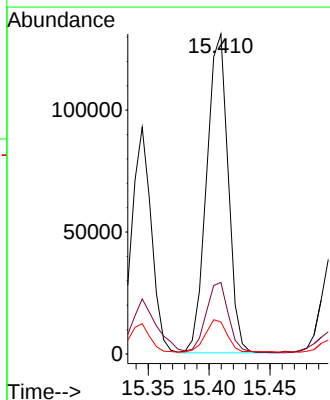
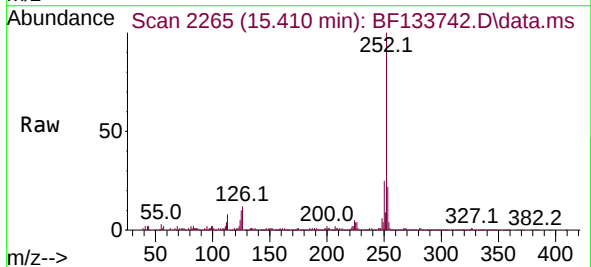
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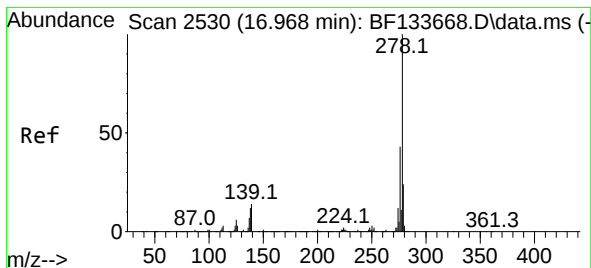
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#90
Benzo(a)pyrene
Concen: 23.383 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:252 Resp: 160547
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 10.0 8.6 13.0





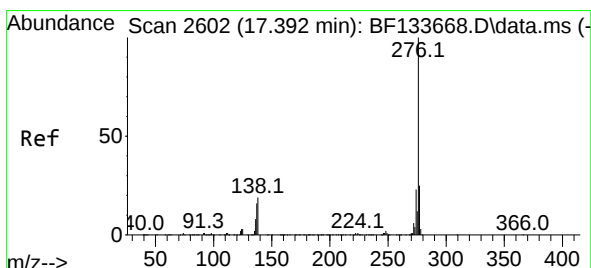
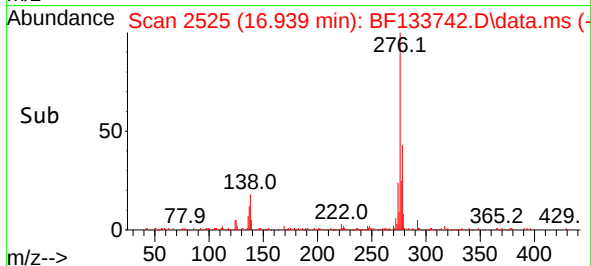
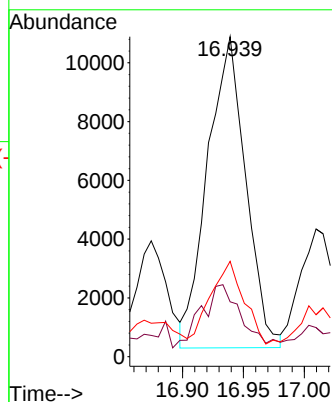
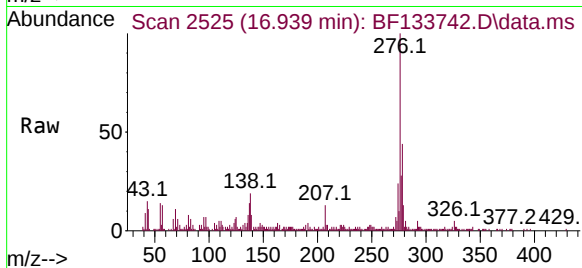
#91
Dibenzo(a,h)anthracene
Concen: 3.338 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

Tgt Ion:278 Resp: 23154
Ion Ratio Lower Upper
278 100
139 17.1 11.4 17.2
279 29.8 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#92
Benzo(g,h,i)perylene
Concen: 12.201 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.035 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:276 Resp: 83910
Ion Ratio Lower Upper
276 100
277 25.3 19.8 29.8
138 21.8 15.0 22.4

