

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133717.D
 Acq On : 12 Jun 2023 22:20
 Operator : CG\JU
 Sample : 03044-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 12 22:52:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	60635	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	210485	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	96756	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	184960	20.000	ng	0.00
76) Chrysene-d12	14.010	240	103441	20.000	ng	0.00
86) Perylene-d12	15.474	264	85088	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	70143	20.139	ng	-0.01
7) Phenol-d6	6.451	99	83767	18.477	ng	-0.02
23) Nitrobenzene-d5	7.392	82	48314	12.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	21206	17.314	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	95575	14.042	ng	-0.01
79) Terphenyl-d14	12.951	244	96159	14.384	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	24074	2.348	ng	99
58) Fluorene	10.422	166	13602	2.044	ng	92
71) Phenanthrene	11.386	178	159103	16.955	ng	100
72) Anthracene	11.439	178	40232	4.112	ng	96
75) Fluoranthene	12.574	202	184122	18.477	ng	99
78) Pyrene	12.810	202	165431	17.168	ng	99
81) Benzo(a)anthracene	13.998	228	60699	8.483	ng	96
83) Chrysene	14.033	228	49384	7.297	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	18596	3.177	ng	# 89
88) Benzo(b)fluoranthene	15.045	252	48503m	9.384	ng	
89) Benzo(k)fluoranthene	15.074	252	17306m	3.437	ng	
90) Benzo(a)pyrene	15.410	252	38272	7.978	ng	# 91
92) Benzo(g,h,i)perylene	17.380	276	20357	4.237	ng	# 89

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

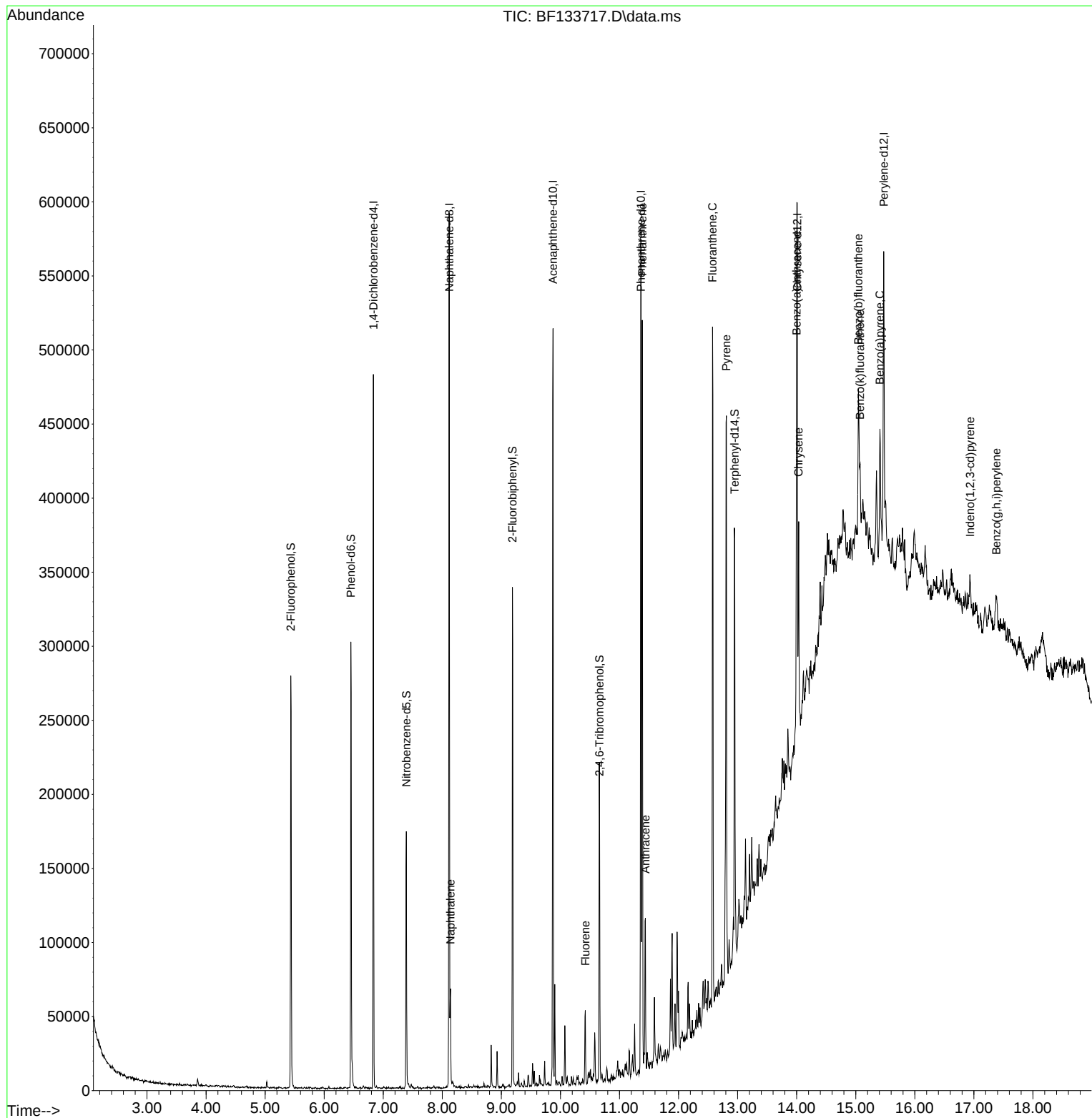
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133717.D
Acq On : 12 Jun 2023 22:20
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Response via : Initial Calibration

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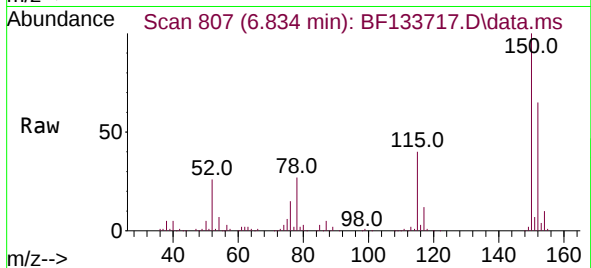
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

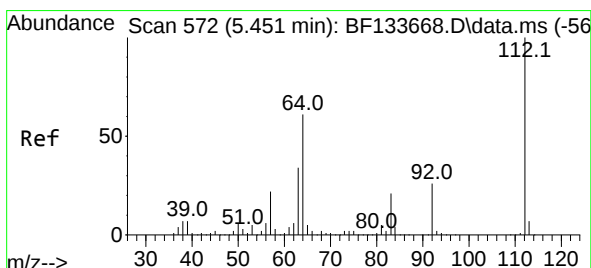
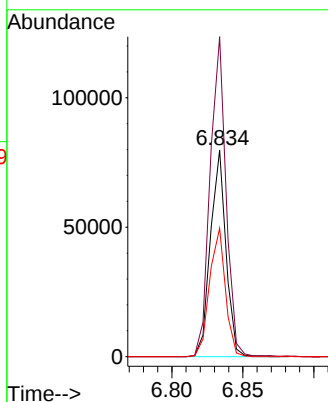
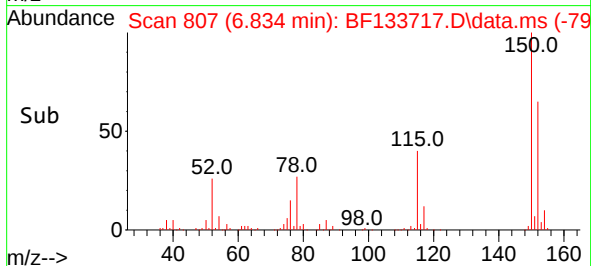
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0



Tgt Ion:152 Resp: 6063
Ion Ratio Lower Upper
152 100
150 154.8 124.3 186.5
115 62.2 48.5 72.7

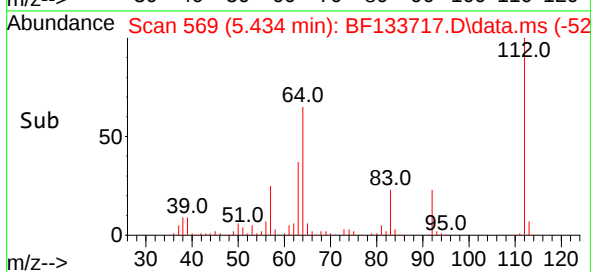
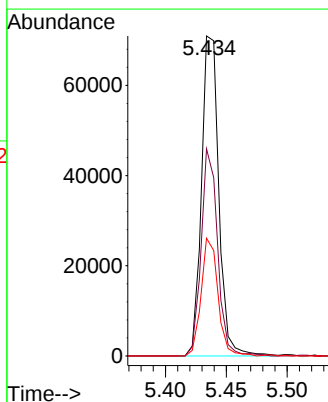
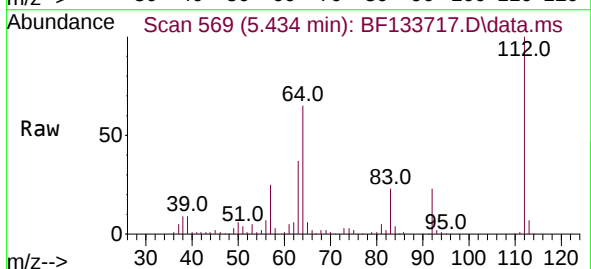
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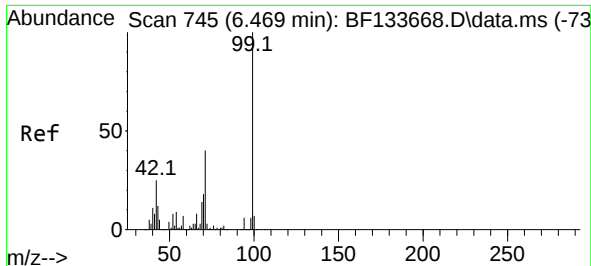
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 20.139 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:112 Resp: 70143
Ion Ratio Lower Upper
112 100
64 64.8 49.0 73.4
63 36.8 26.8 40.2





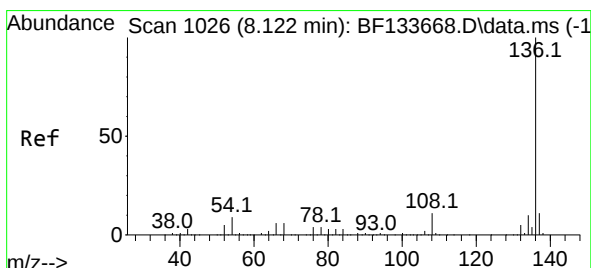
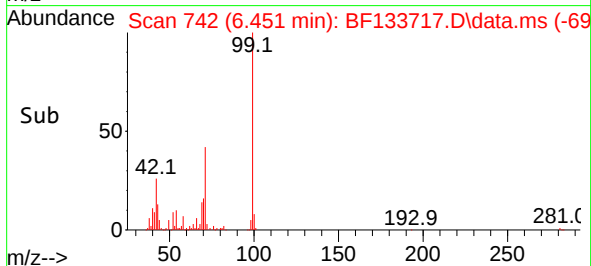
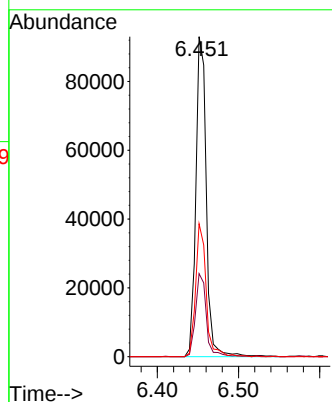
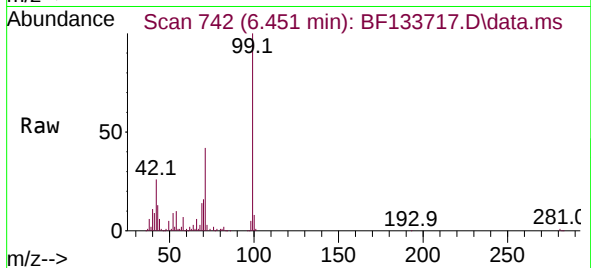
#7
Phenol-d6
Concen: 18.477 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.018 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

Tgt Ion: 99 Resp: 8376
Ion Ratio Lower Upper
99 100
42 26.0 19.9 29.9
71 41.6 32.2 48.4

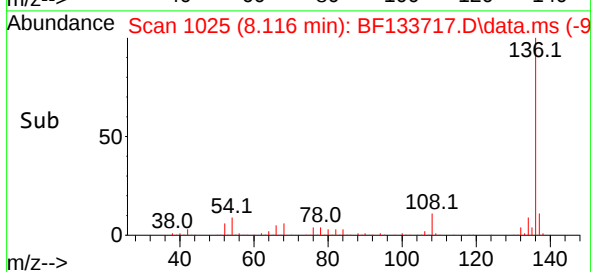
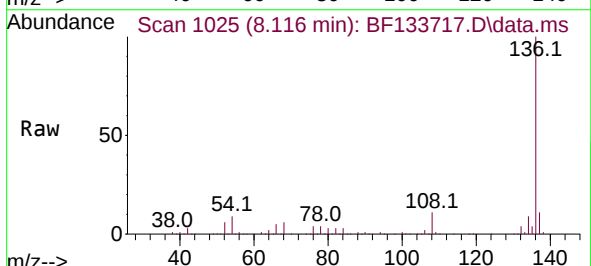
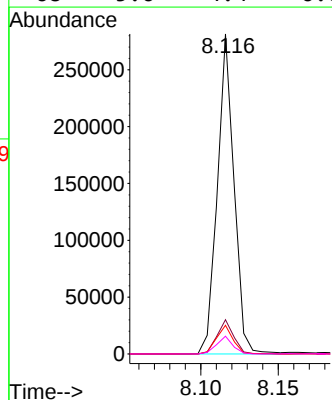
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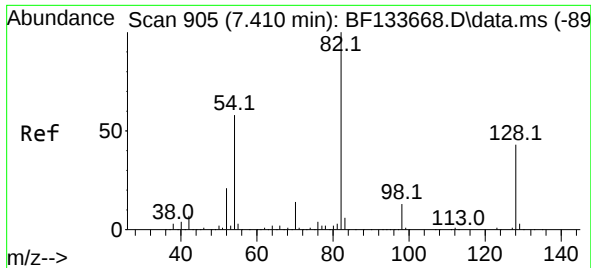
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:136 Resp: 210485
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.9 7.4 11.0
68 5.6 4.4 6.6





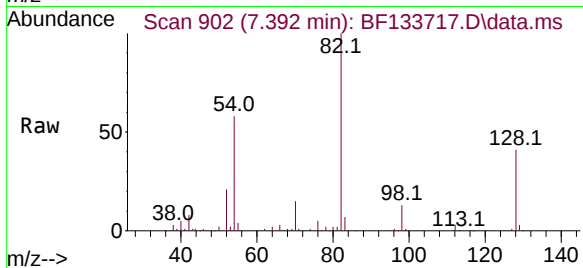
#23
Nitrobenzene-d5
Concen: 12.502 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

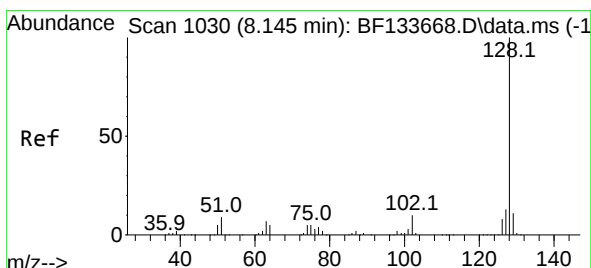
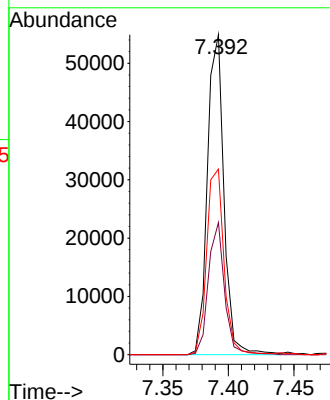
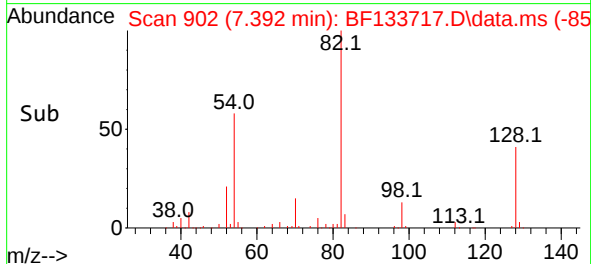


Tgt Ion: 82 Resp: 48314
Ion Ratio Lower Upper
82 100
128 41.3 34.2 51.2
54 58.0 46.5 69.7

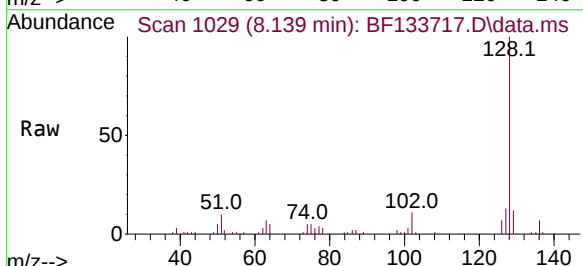
Manual Integrations

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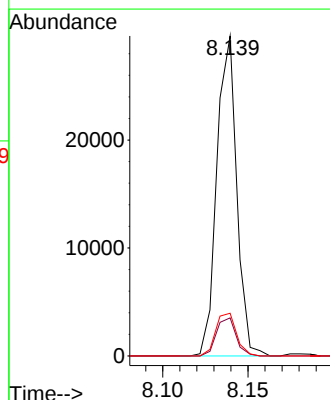
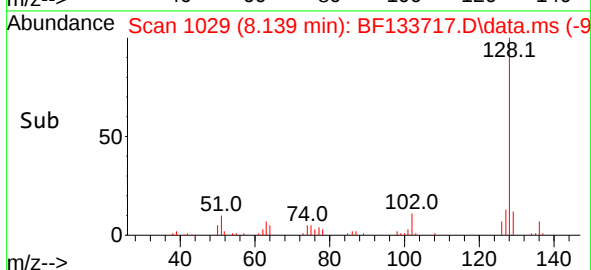
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

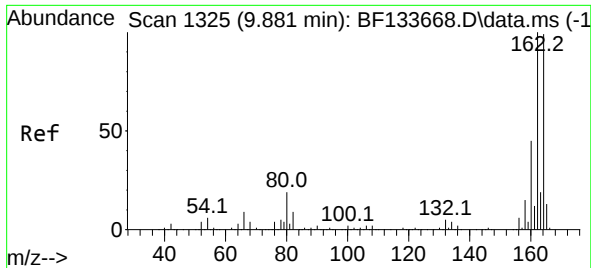


#31
Naphthalene
Concen: 2.348 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20



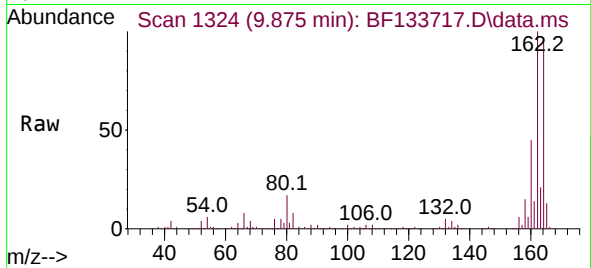
Tgt Ion:128 Resp: 24074
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 13.4 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

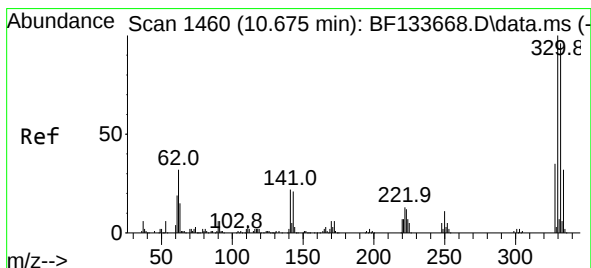
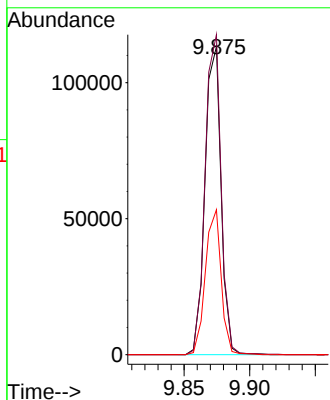
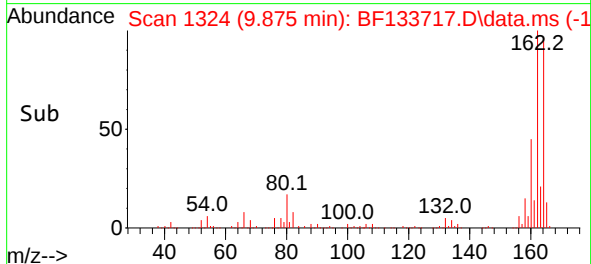
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0



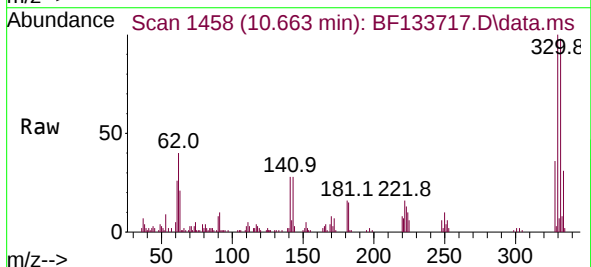
Tgt Ion:164 Resp: 96750
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 47.1 36.7 55.1

Manual Integrations
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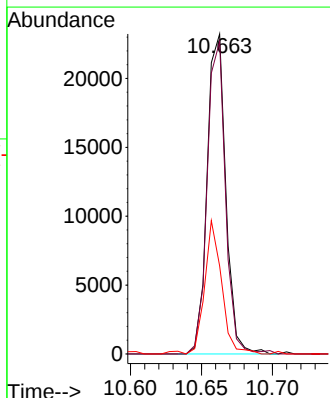
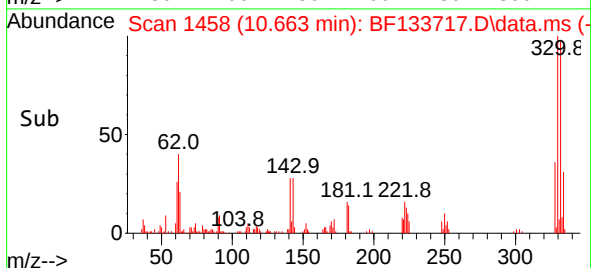
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

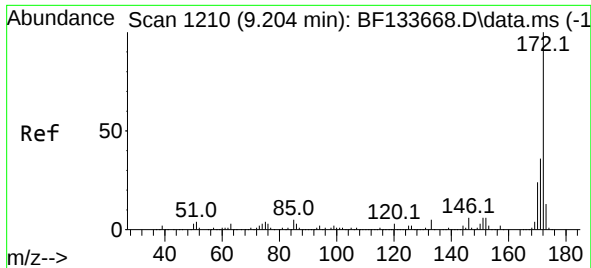


#42
2,4,6-Tribromophenol
Concen: 17.314 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20



Tgt Ion:330 Resp: 21206
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 38.3 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 14.042 ng

RT: 9.186 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

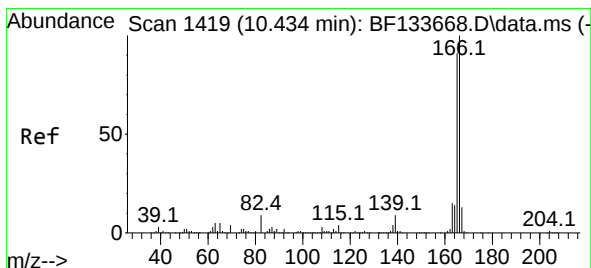
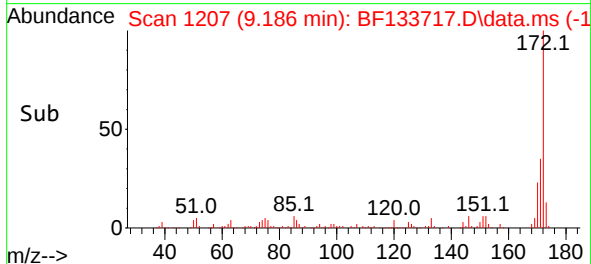
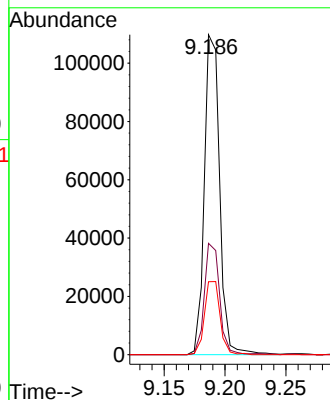
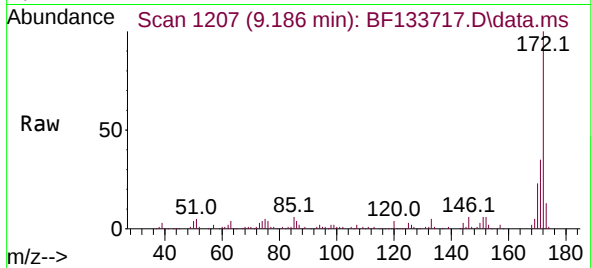
Tgt Ion:172	Resp:	9557
Ion Ratio	Lower	Upper
172	100	
171	34.8	28.6 43.0
170	22.8	19.1 28.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#58

Fluorene

Concen: 2.044 ng

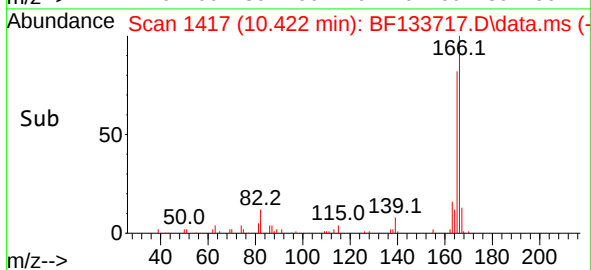
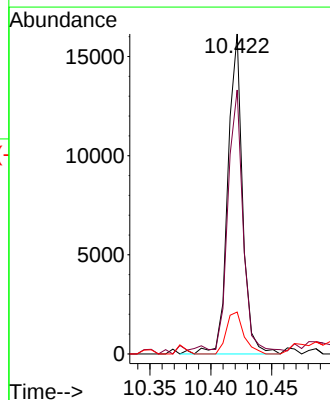
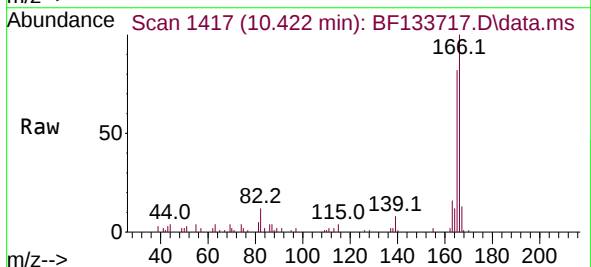
RT: 10.422 min Scan# 1417

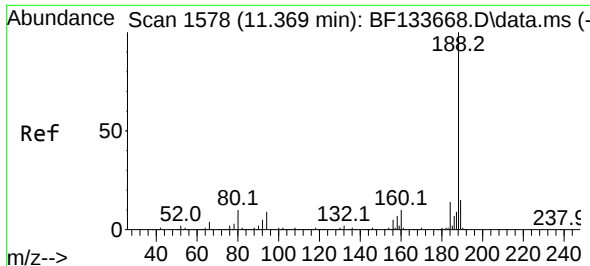
Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

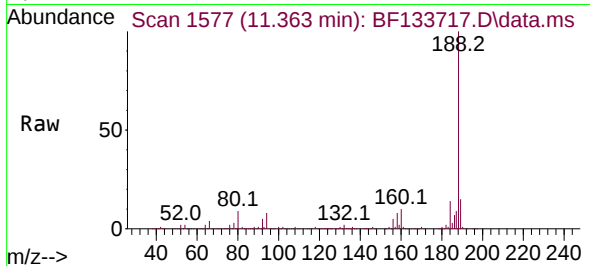
Tgt Ion:166	Resp:	13602
Ion Ratio	Lower	Upper
166	100	
165	82.5	73.1 109.7
167	13.1	10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

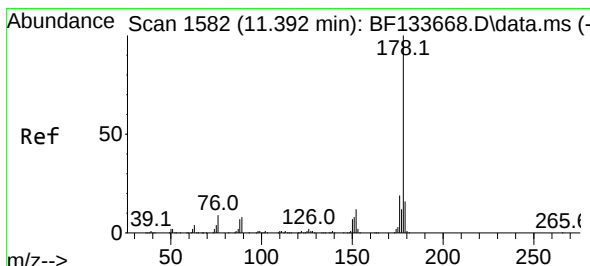
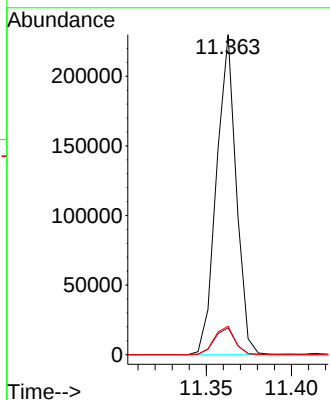
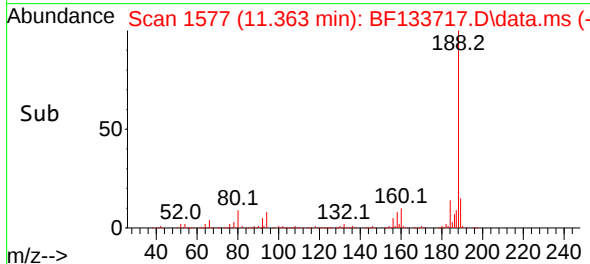
Instrument :
BNA_F
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SB-03-0-2.0



Tgt Ion:188 Resp: 184960
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 8.9 7.8 11.6

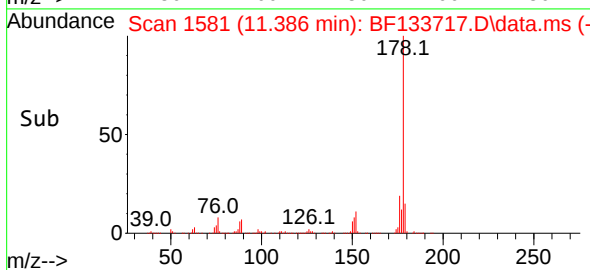
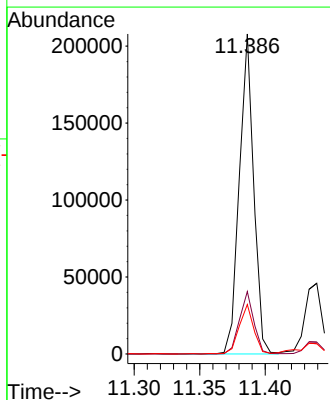
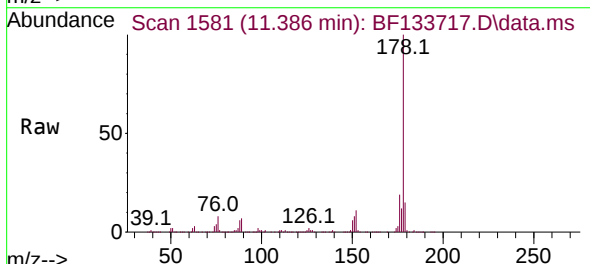
Manual Integrations
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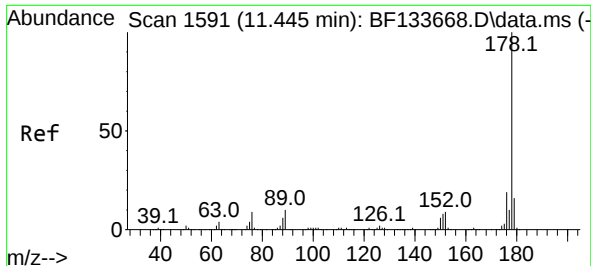
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#71
Phenanthrene
Concen: 16.955 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

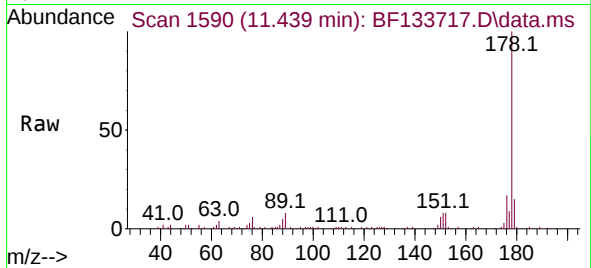
Tgt Ion:178 Resp: 159103
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 4.112 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133717.D
 Acq: 12 Jun 2023 22:20

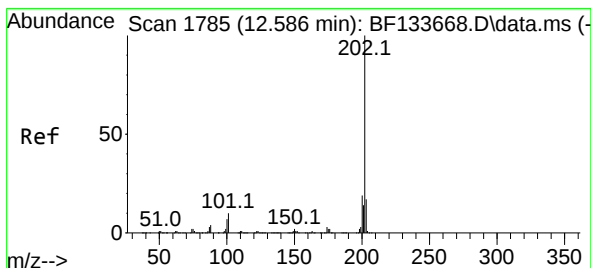
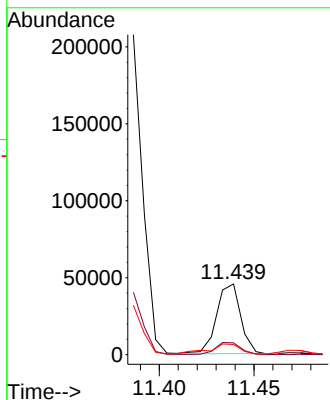
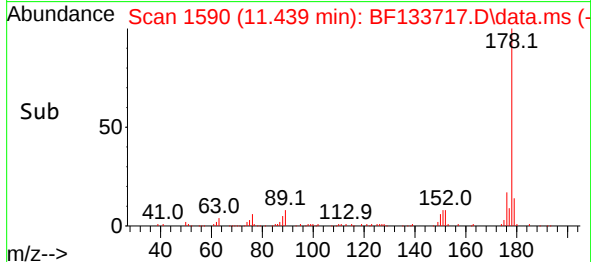
Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2.0



Tgt Ion:178 Resp: 4023
 Ion Ratio Lower Upper
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 176 16.7 15.1 22.7
 179 14.5 12.6 18.8

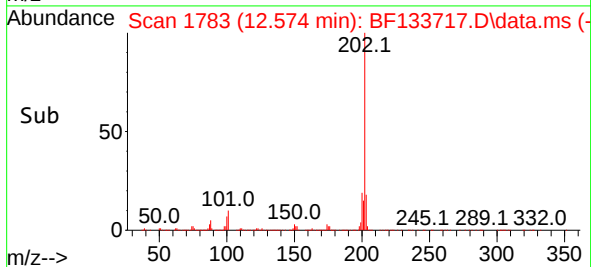
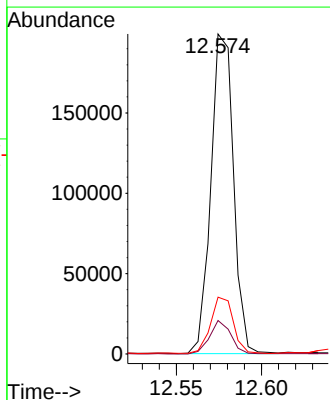
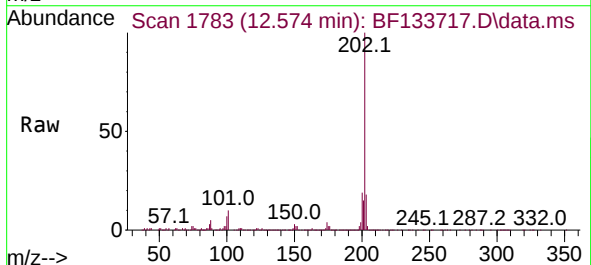
Manual Integrations
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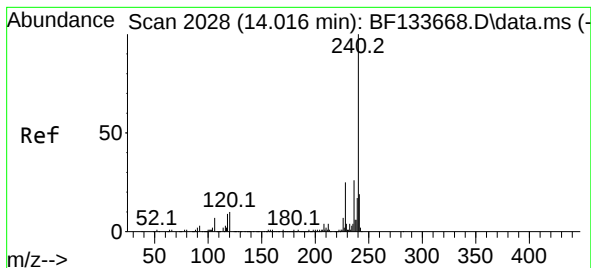
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023



#75
 Fluoranthene
 Concen: 18.477 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: BF133717.D
 Acq: 12 Jun 2023 22:20

Tgt Ion:202 Resp: 184122
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.6
 203 17.7 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: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

Tgt Ion:240 Resp: 10344

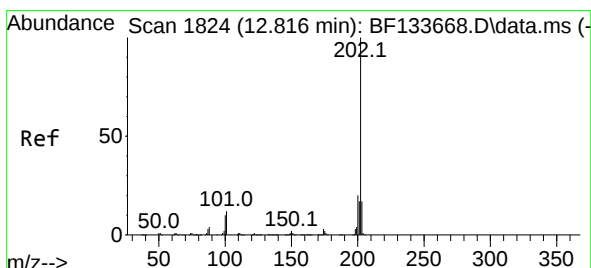
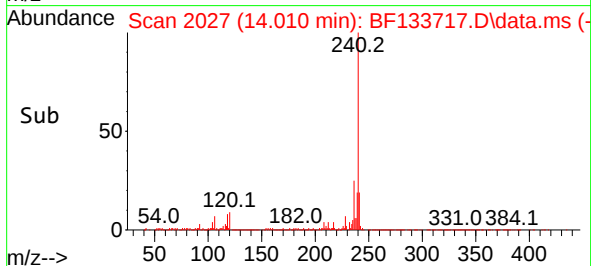
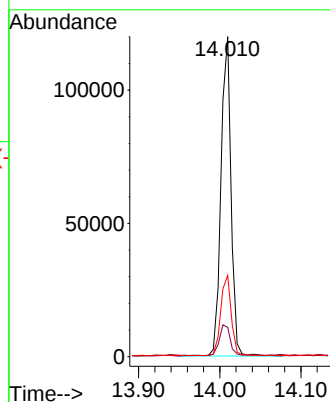
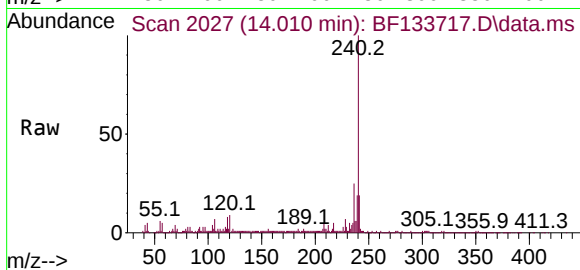
Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.1	12.1
236	25.4	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#78

Pyrene

Concen: 17.168 ng

RT: 12.810 min Scan# 1823

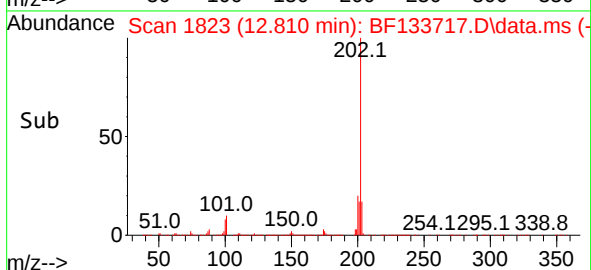
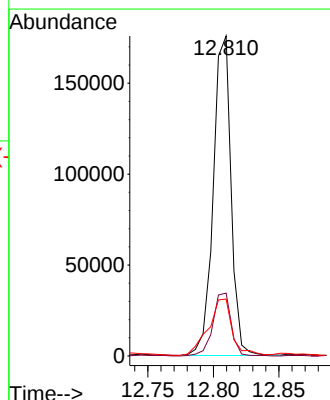
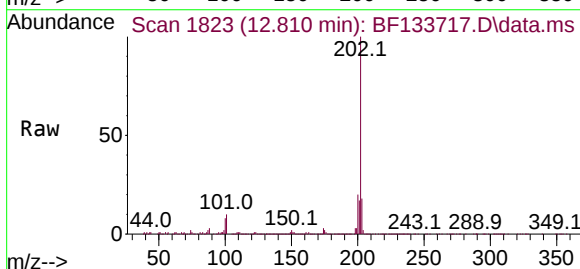
Delta R.T. 0.000 min

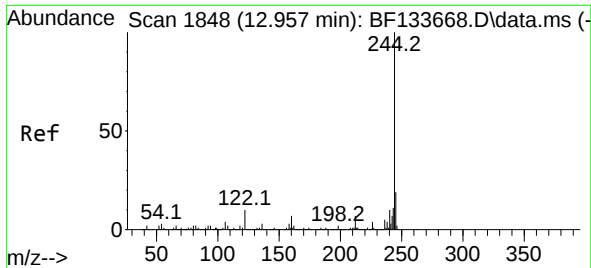
Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Tgt Ion:202 Resp: 165431

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	17.8	13.9	20.9





#79
 Terphenyl-d14
 Concen: 14.384 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133717.D
 Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

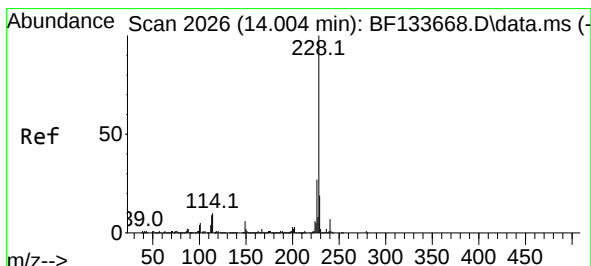
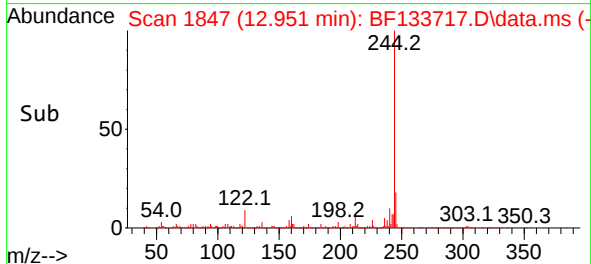
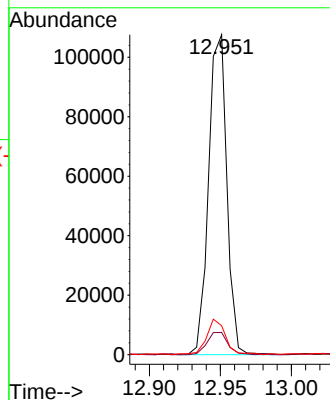
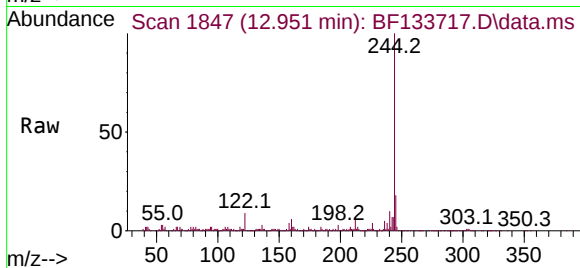
SB-03-0-2.0

Tgt Ion:244 Resp: 96159
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 9.0 8.1 12.1

Manual Integrations

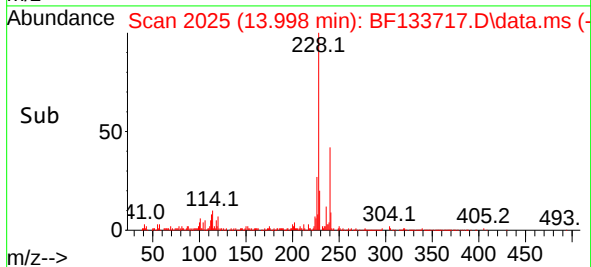
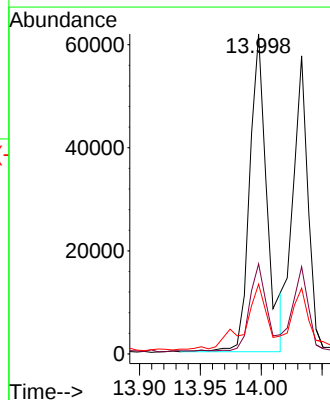
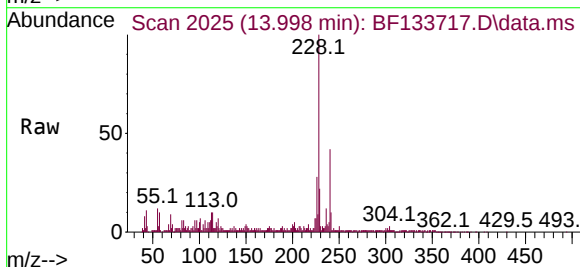
APPROVED

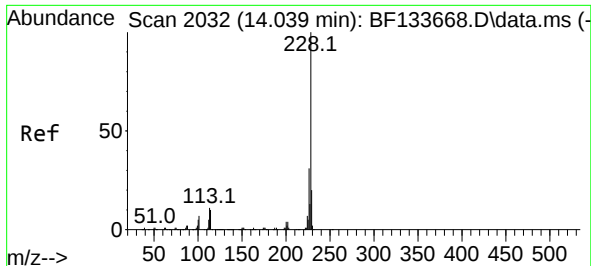
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023



#81
 Benzo(a)anthracene
 Concen: 8.483 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133717.D
 Acq: 12 Jun 2023 22:20

Tgt Ion:228 Resp: 60699
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 21.8 15.4 23.2





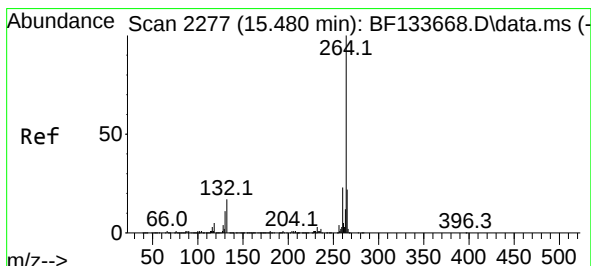
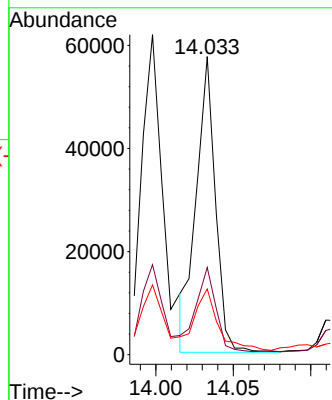
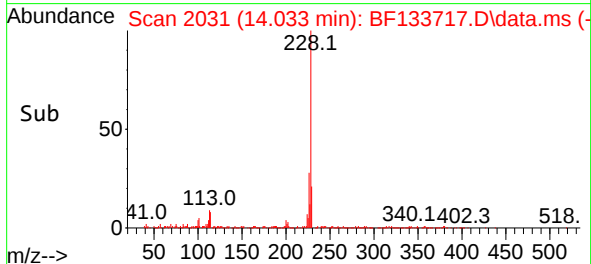
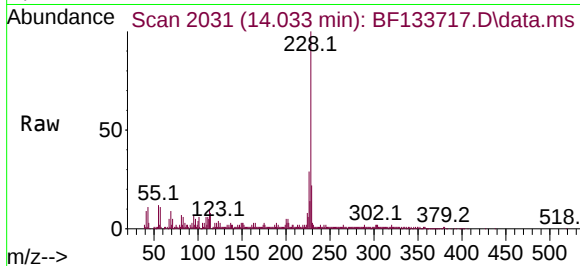
#83
Chrysene
Concen: 7.297 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Instrument :
BNA_F
Client Sample Id :
SB-03-0-2.0

Tgt Ion:228 Resp: 49384
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 22.1 15.8 23.8

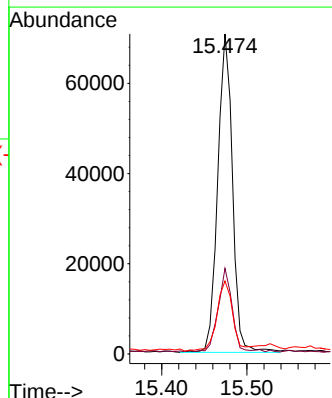
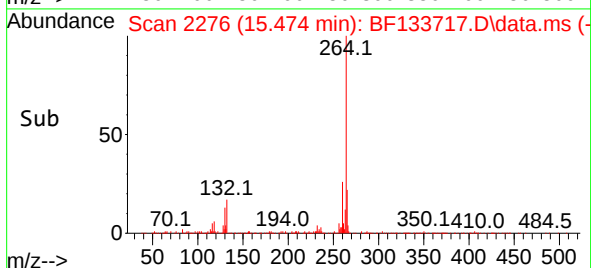
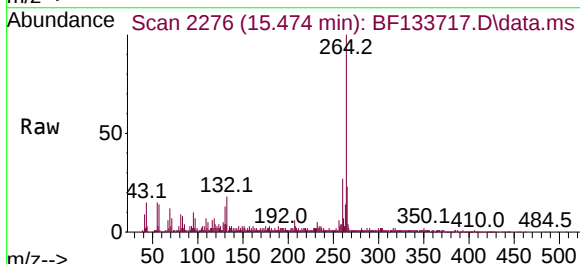
Manual Integrations
APPROVED

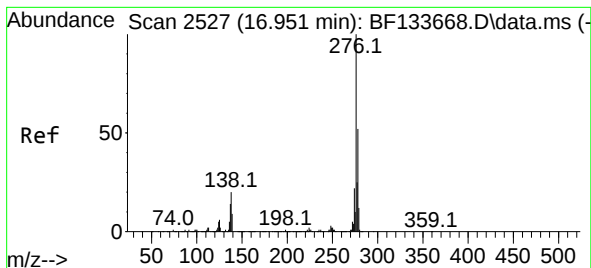
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:264 Resp: 85088
Ion Ratio Lower Upper
264 100
260 26.7 18.2 27.2
265 22.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.177 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

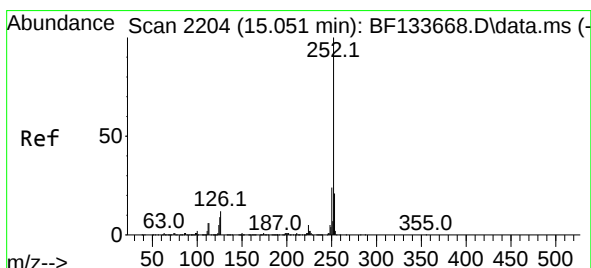
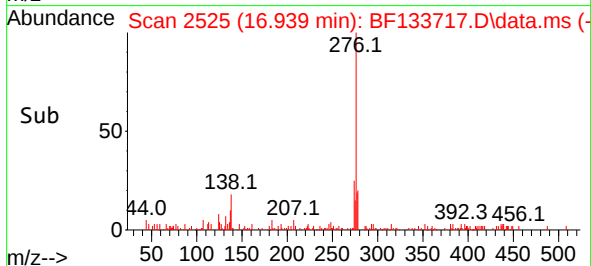
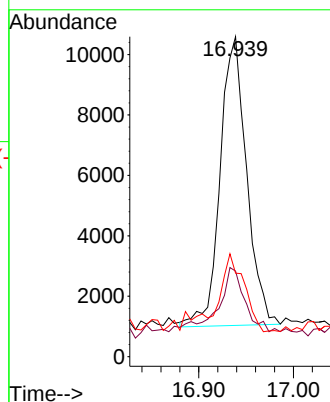
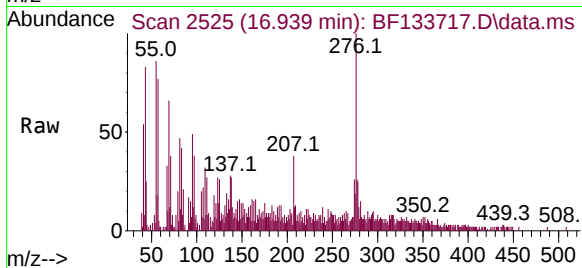
Tgt Ion:	276	Resp:	18590
Ion Ratio	Lower	Upper	
276	100		
138	31.1	17.9	26.9
277	28.0	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#88

Benzo(b)fluoranthene

Concen: 9.384 ng m

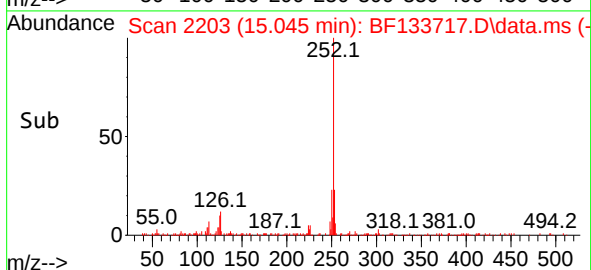
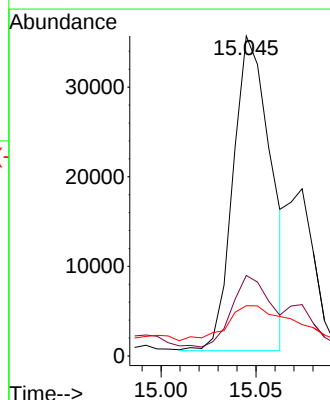
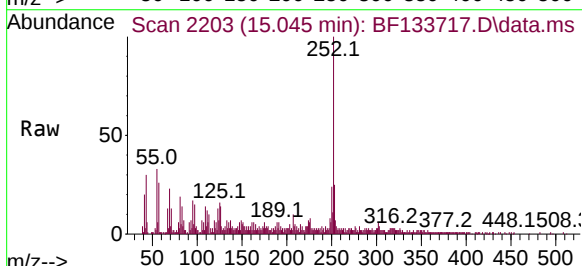
RT: 15.045 min Scan# 2203

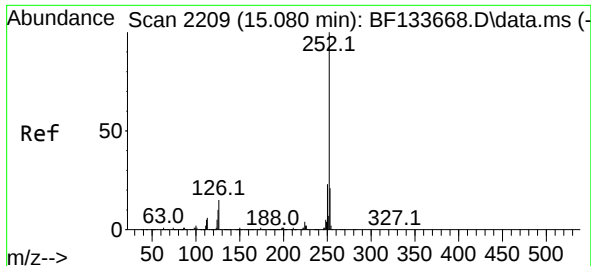
Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Tgt Ion:	252	Resp:	48503
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.0	25.6
125	15.7	7.3	10.9





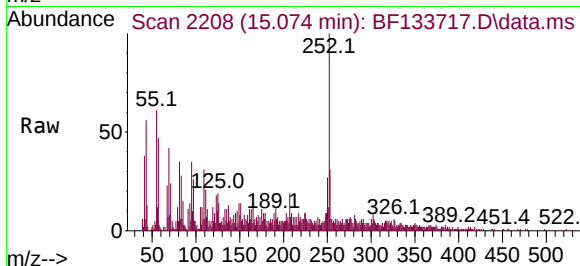
#89
Benzo(k)fluoranthene
Concen: 3.437 ng m
RT: 15.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Instrument :

BNF

ClientSampleId :

SB-03-0-2.0

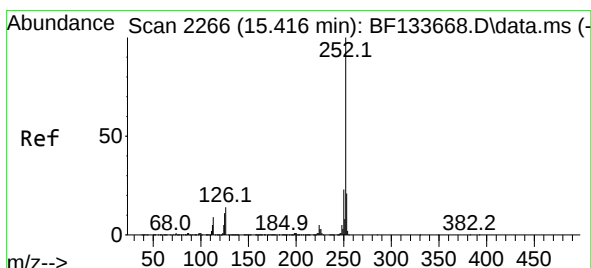
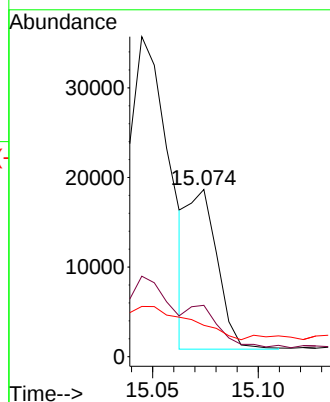
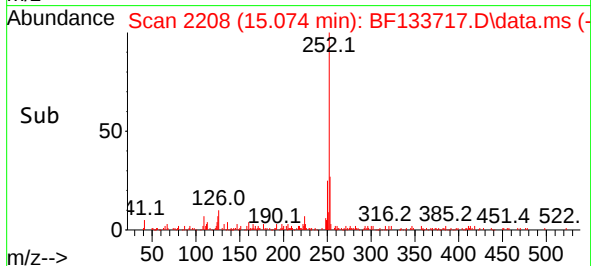


Tgt Ion:252 Resp: 17300
Ion Ratio Lower Upper
252 100
253 30.8 17.0 25.4
125 18.7 7.8 11.6

Manual Integrations

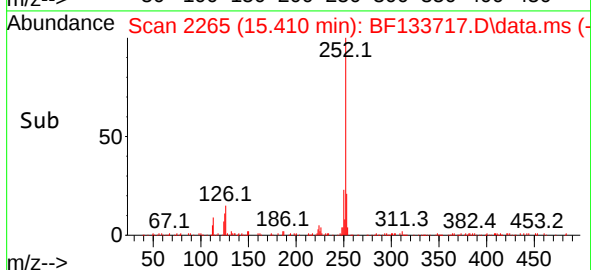
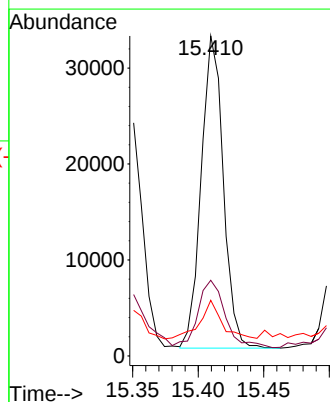
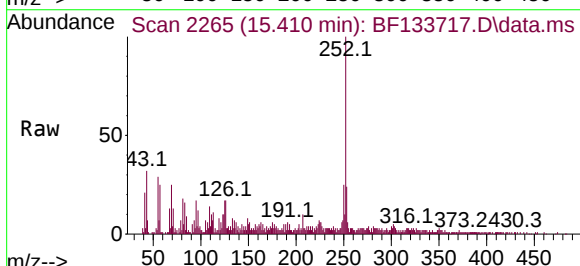
APPROVED

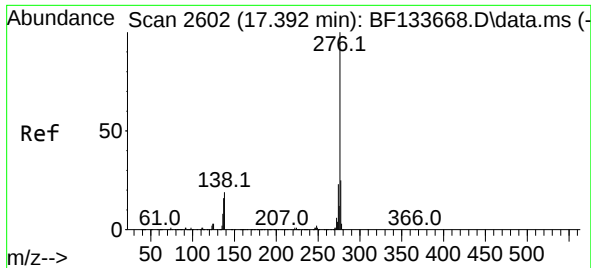
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#90
Benzo(a)pyrene
Concen: 7.978 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

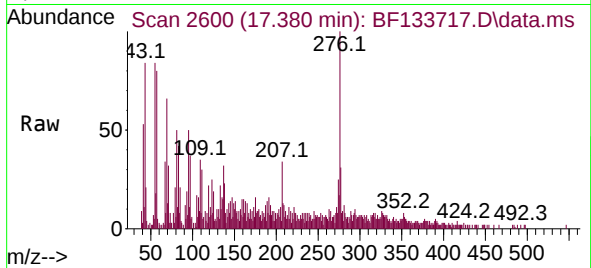
Tgt Ion:252 Resp: 38272
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 17.4 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 4.237 ng
RT: 17.380 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0



Tgt Ion:	276	Resp:	2035
Ion Ratio	Lower	Upper	
276	100		
277	31.2	19.8	29.8
138	22.5	15.0	22.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

