

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133709.D
 Acq On : 12 Jun 2023 17:57
 Operator : CG\JU
 Sample : 03044-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP

Manual Integrations
 APPROVED

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

Quant Time: Jun 12 22:10:24 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	75780	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	283726	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	128603	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	207205	20.000	ng	0.00
76) Chrysene-d12	14.004	240	163434	20.000	ng	-0.01
86) Perylene-d12	15.468	264	152126	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	515716	118.476	ng	0.00
7) Phenol-d6	6.463	99	621016	109.603	ng	0.00
23) Nitrobenzene-d5	7.398	82	435217	83.548	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	150662	92.551	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	721492	79.750	ng	0.00
79) Terphenyl-d14	12.951	244	605527	57.330	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	170419	16.211	ng	99
72) Anthracene	11.433	178	41388	3.776	ng	99
75) Fluoranthene	12.574	202	295494	26.469	ng	99
78) Pyrene	12.804	202	285799	18.772	ng	99
81) Benzo(a)anthracene	13.992	228	153561	13.584	ng	96
83) Chrysene	14.027	228	131696	12.317	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	56661	5.414	ng	97
88) Benzo(b)fluoranthene	15.039	252	160322m	17.349	ng	
89) Benzo(k)fluoranthene	15.068	252	53942m	5.992	ng	
90) Benzo(a)pyrene	15.404	252	115904	13.514	ng	97
92) Benzo(g,h,i)perylene	17.356	276	53632	6.243	ng	95

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

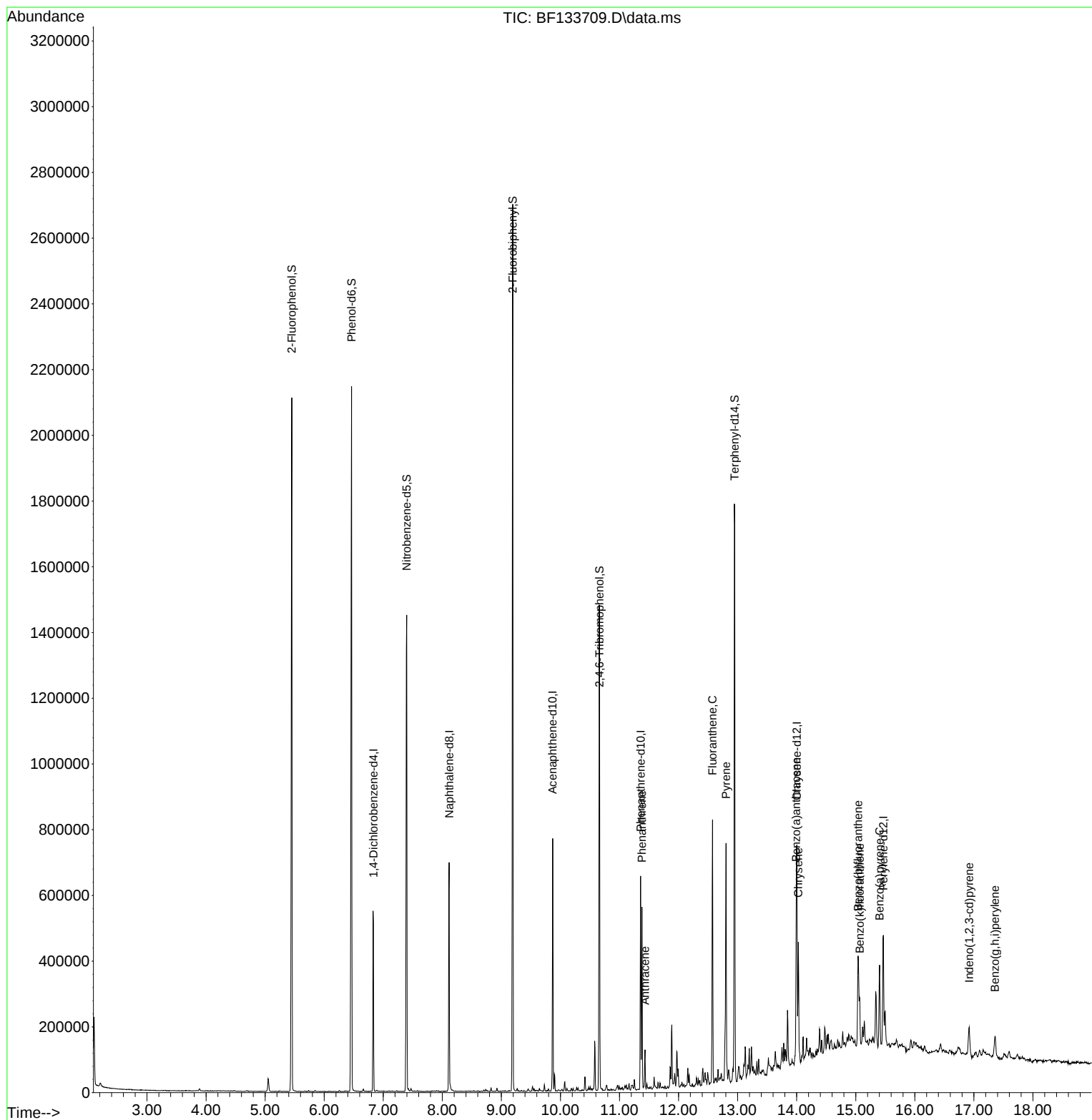
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133709.D
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Quant Time: Jun 12 22:10:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 16:32:43 2023
Response via : Initial Calibration

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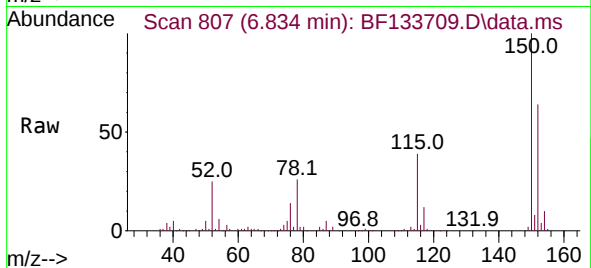
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

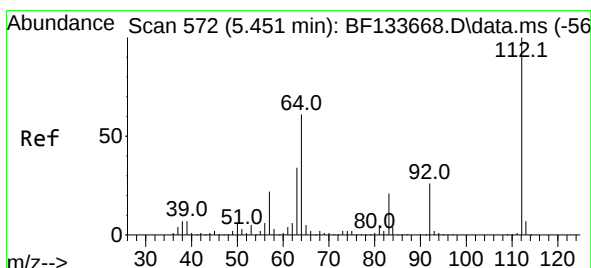
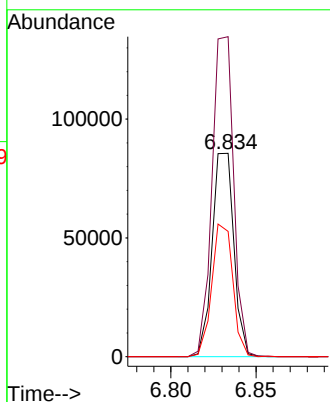
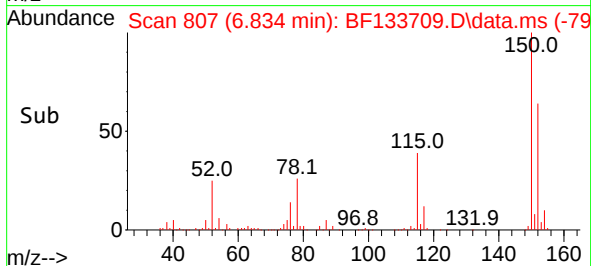
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP



Tgt Ion:152 Resp: 75780
Ion Ratio Lower Upper
152 100
150 157.4 124.3 186.5
115 61.6 48.5 72.7

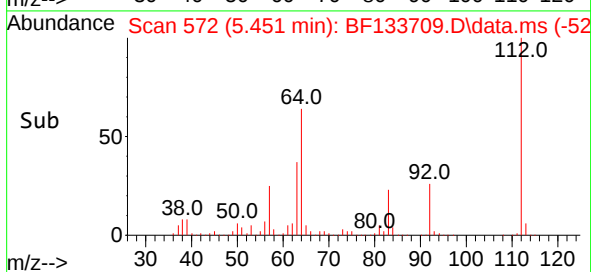
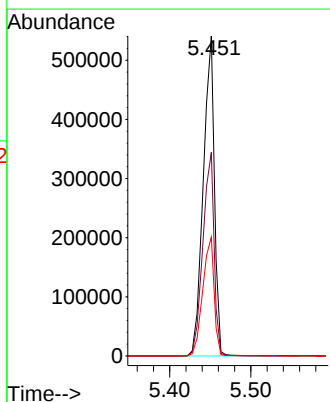
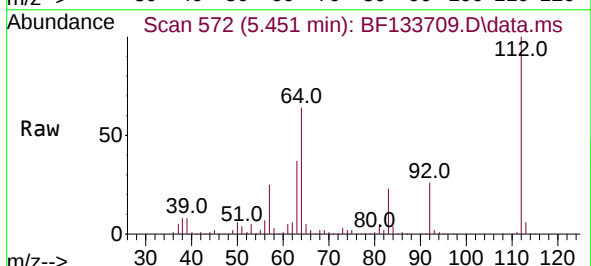
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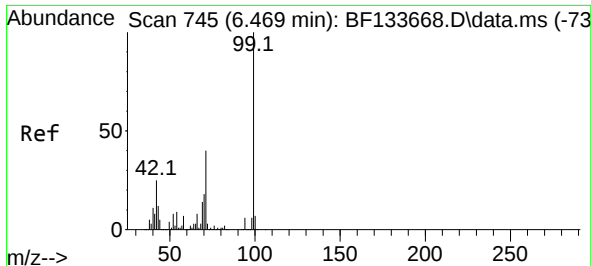
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 118.476 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

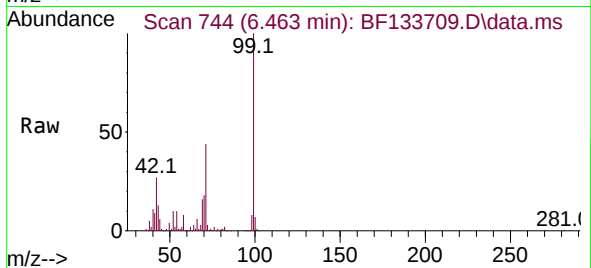
Tgt Ion:112 Resp: 515716
Ion Ratio Lower Upper
112 100
64 63.7 49.0 73.4
63 37.2 26.8 40.2





#7
Phenol-d6
Concen: 109.603 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

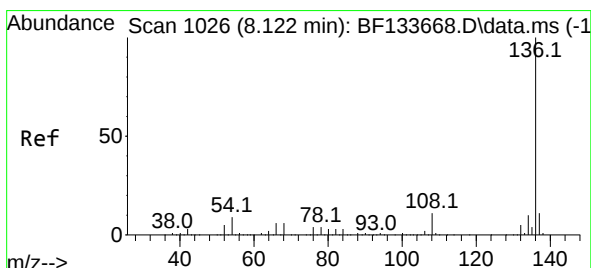
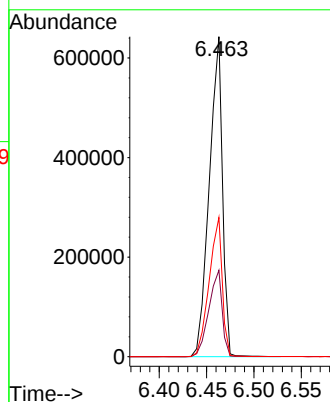
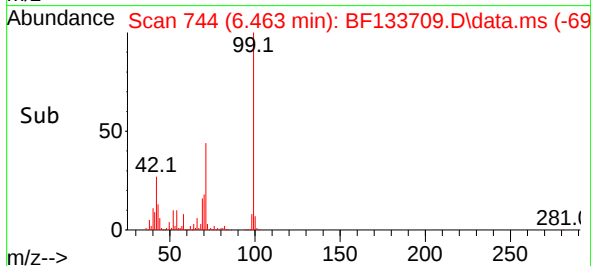
Instrument :
BNA_F
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SB-02-5.0-7.0-DUP



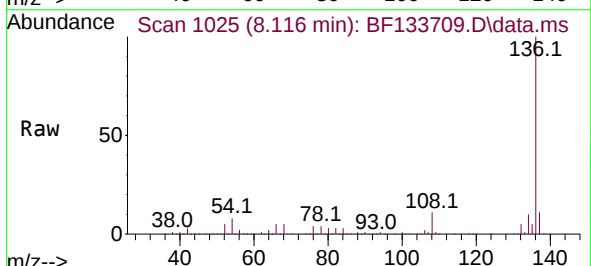
Tgt Ion: 99 Resp: 621010
Ion Ratio Lower Upper
99 100
42 27.0 19.9 29.9
71 43.5 32.2 48.4

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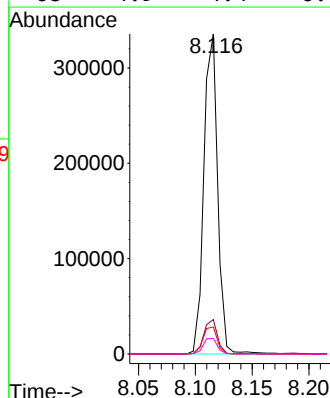
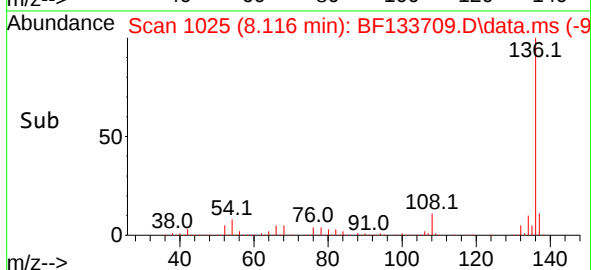
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57



Tgt Ion:136 Resp: 283726
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.5 7.4 11.0
68 4.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 83.548 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133709.D

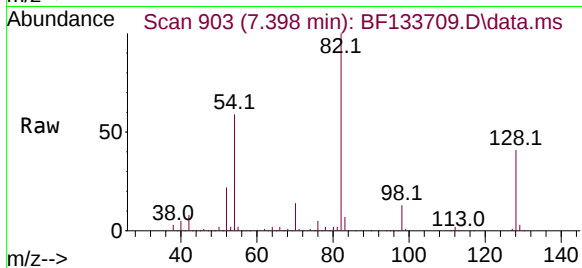
Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP



Tgt Ion: 82 Resp: 43521

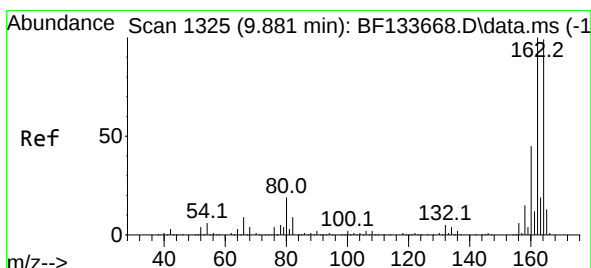
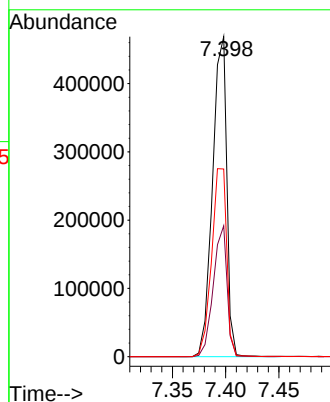
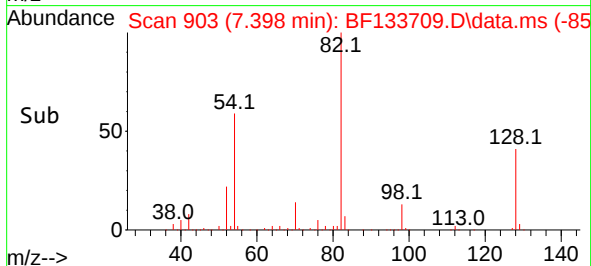
Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.2	51.2
54	58.6	46.5	69.7

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Supervised By :mohammad ahmed 06/13/2023



#39

Acenaphthene-d10

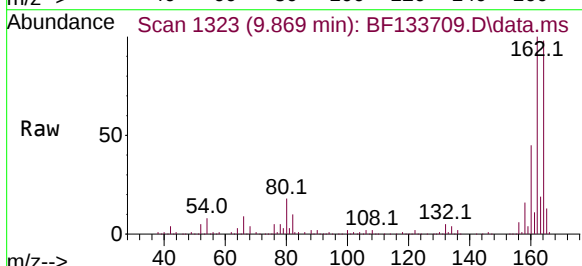
Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

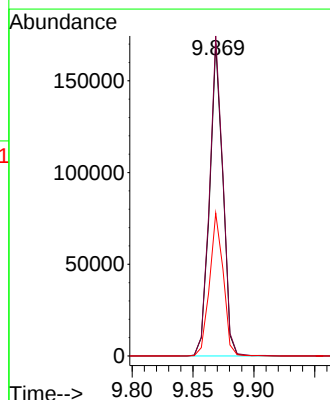
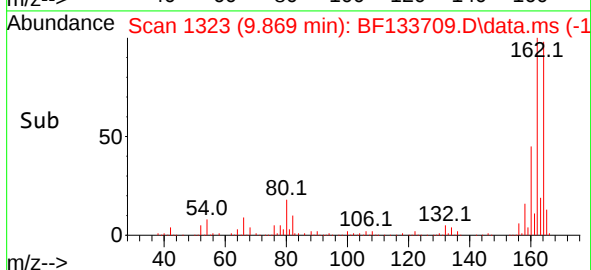
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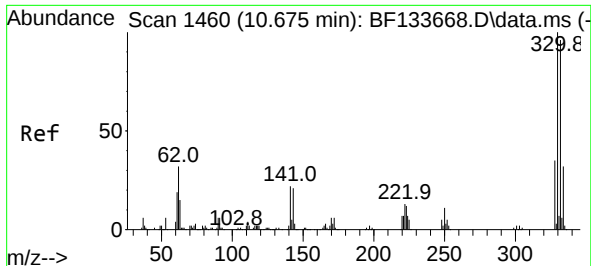
Acq: 12 Jun 2023 17:57



Tgt Ion:164 Resp: 128603

Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.8	121.2
160	45.8	36.7	55.1





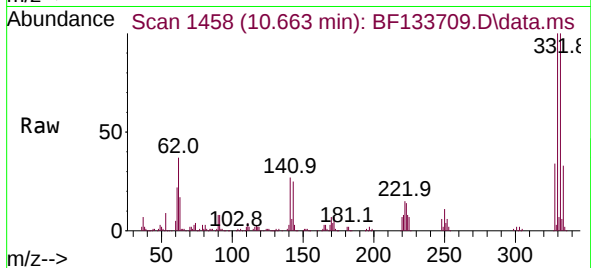
#42
2,4,6-Tribromophenol
Concen: 92.551 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP



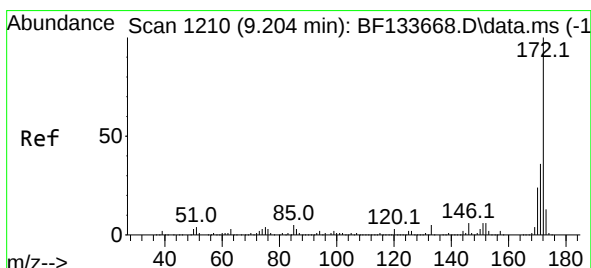
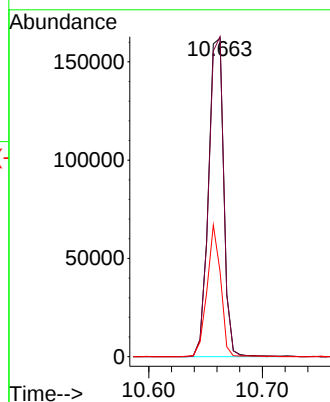
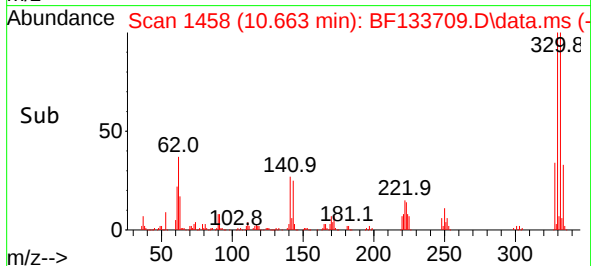
Tgt Ion: 330 Resp: 150662
Ion Ratio Lower Upper
330 100
332 99.1 77.2 115.8
141 37.0 24.9 37.3

Manual Integrations

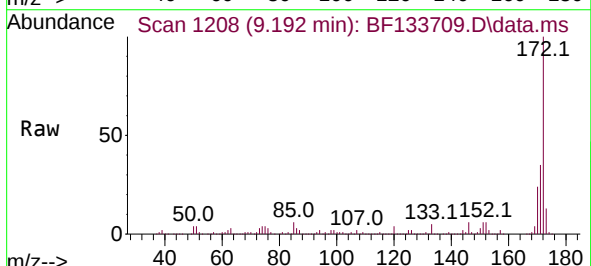
APPROVED

Reviewed By : Yogesh Patel 06/13/2023

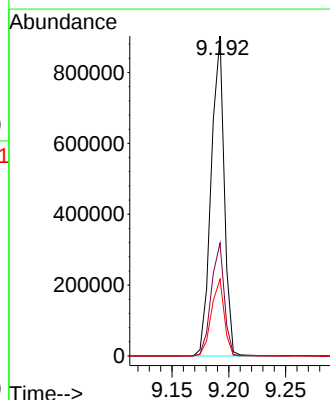
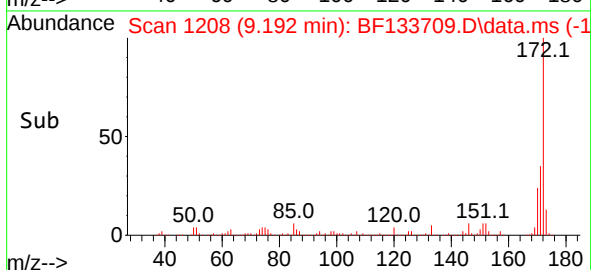
Supervised By : mohammad ahmed 06/13/2023

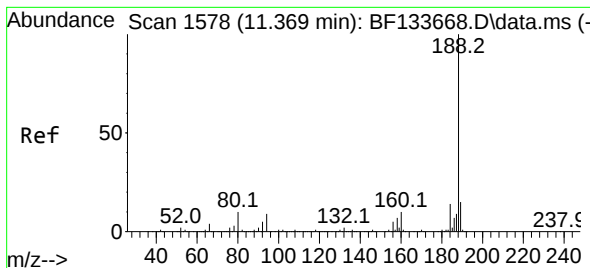


#45
2-Fluorobiphenyl
Concen: 79.750 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57



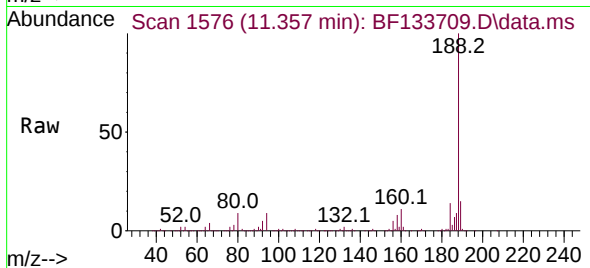
Tgt Ion: 172 Resp: 721492
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.0 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

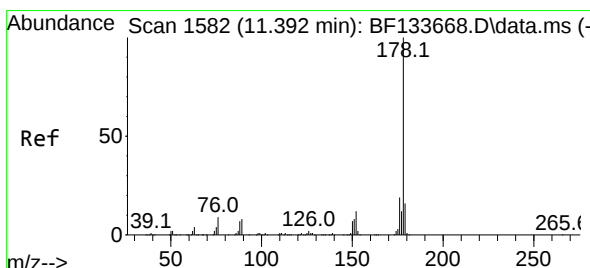
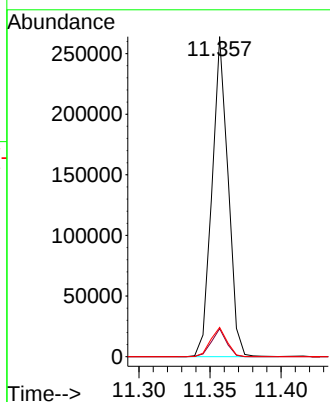
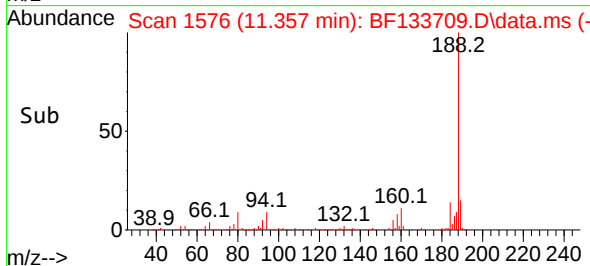
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP



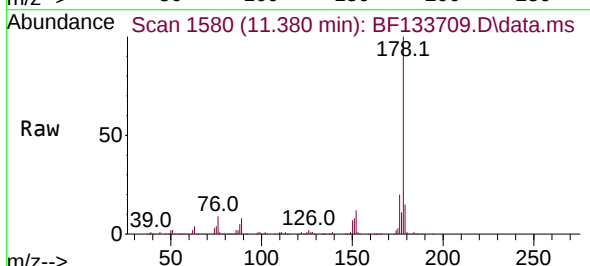
Tgt Ion:188 Resp: 20720
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.2 7.8 11.6

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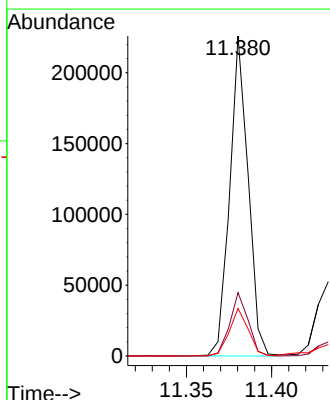
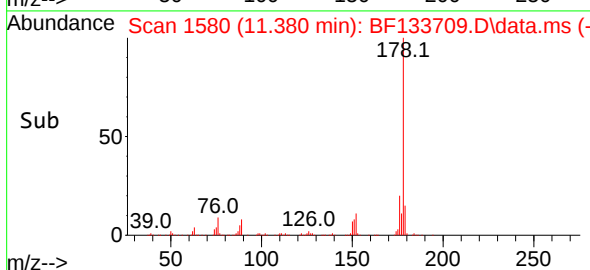
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

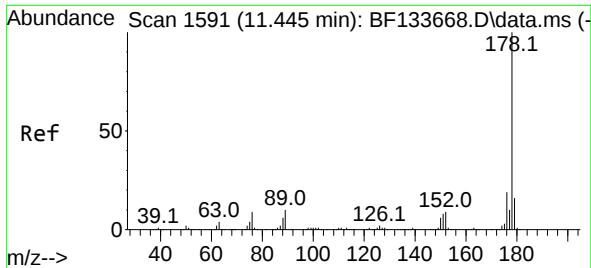


#71
Phenanthrene
Concen: 16.211 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57



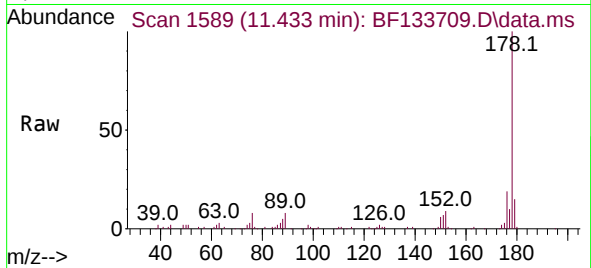
Tgt Ion:178 Resp: 170419
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 3.776 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

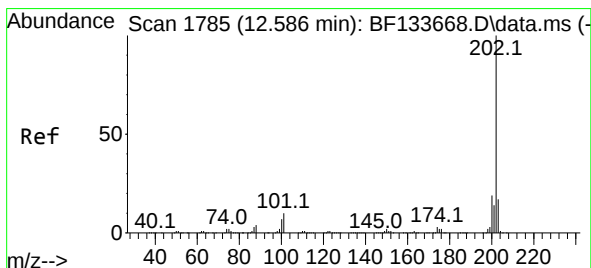
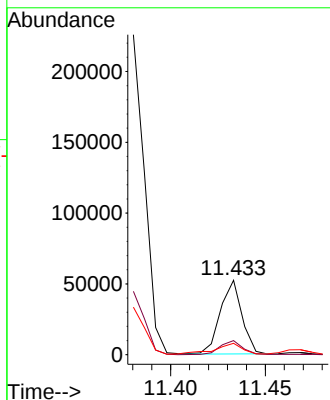
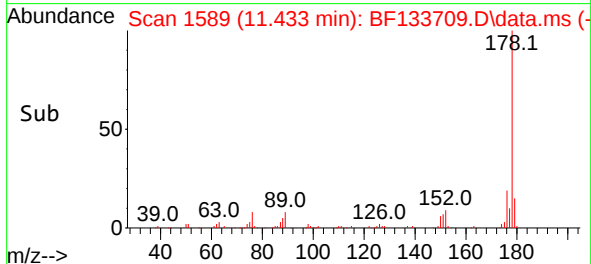
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP



Tgt Ion:178 Resp: 41388
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.2 12.6 18.8

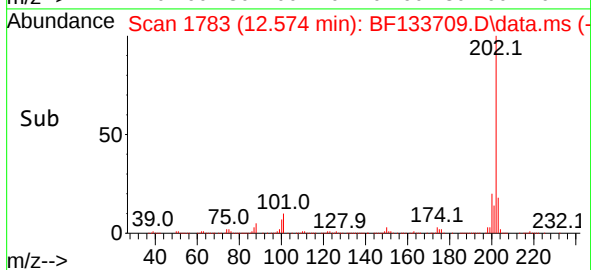
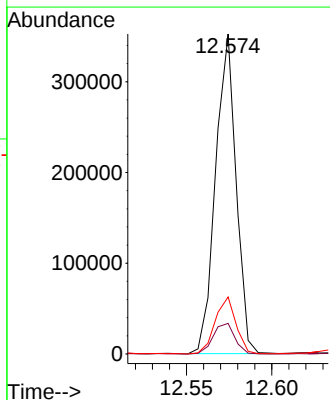
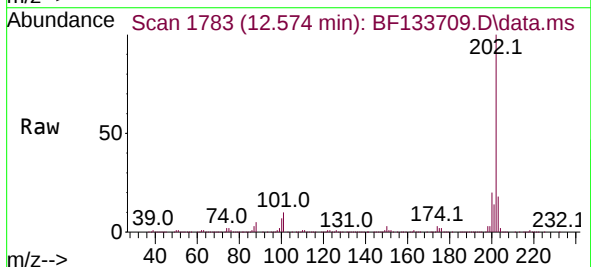
Manual Integrations
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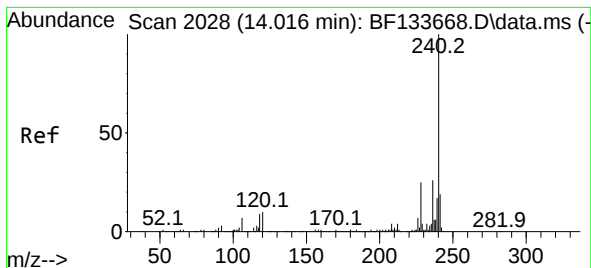
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023



#75
 Fluoranthene
 Concen: 26.469 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

Tgt Ion:202 Resp: 295494
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.6
 203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP

Tgt Ion:240 Resp: 163434

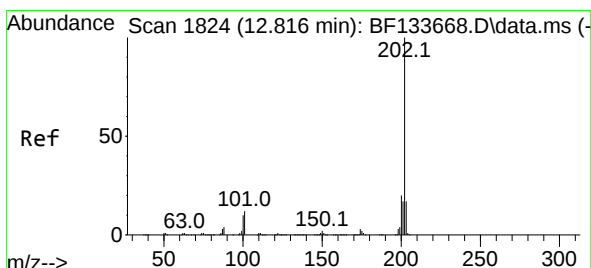
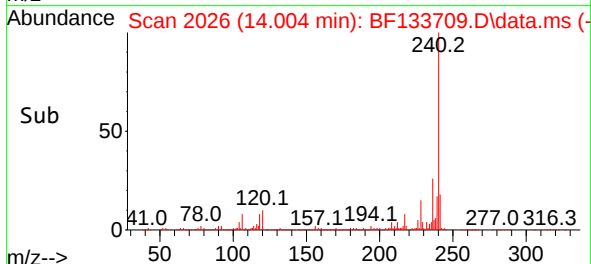
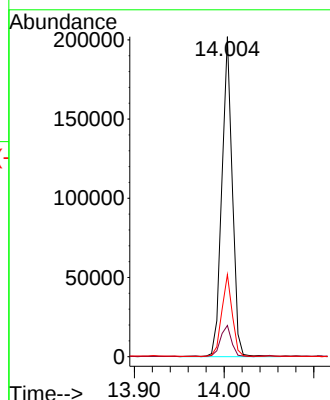
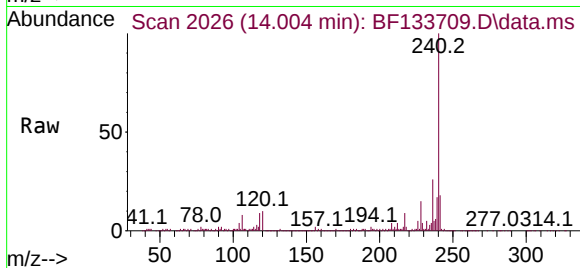
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.1	12.1
236	25.7	20.5	30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#78

Pyrene

Concen: 18.772 ng

RT: 12.804 min Scan# 1822

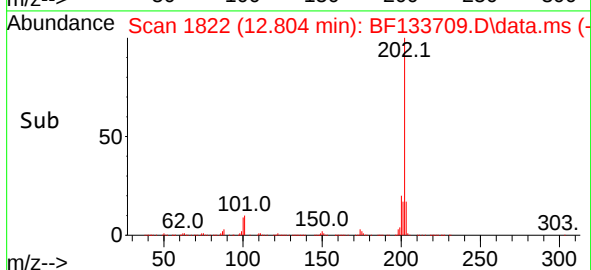
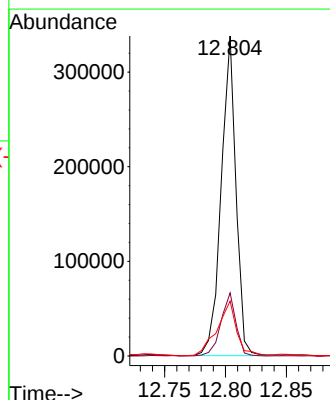
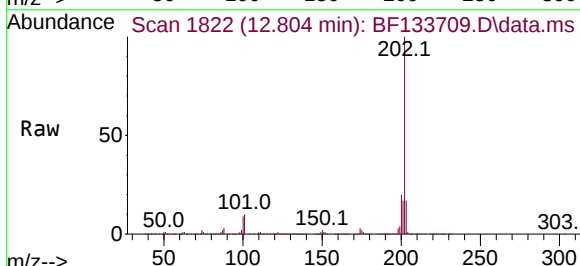
Delta R.T. -0.006 min

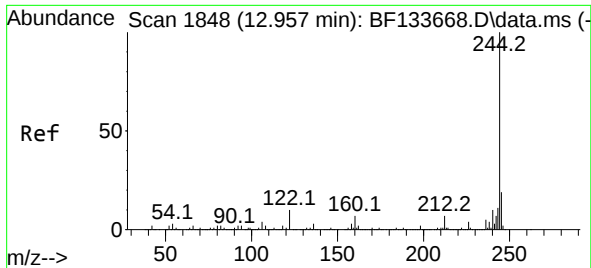
Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Tgt Ion:202 Resp: 285799

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	17.2	13.9	20.9





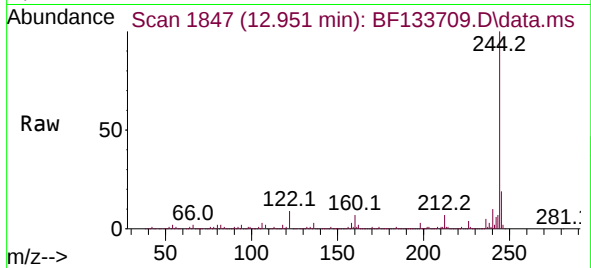
#79
 Terphenyl-d14
 Concen: 57.330 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP

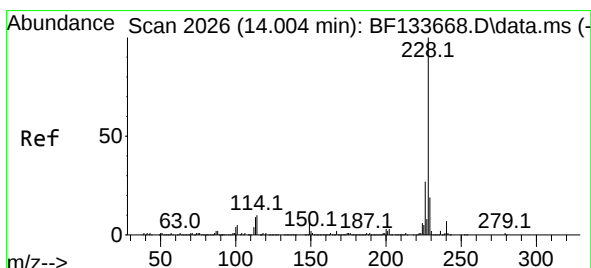
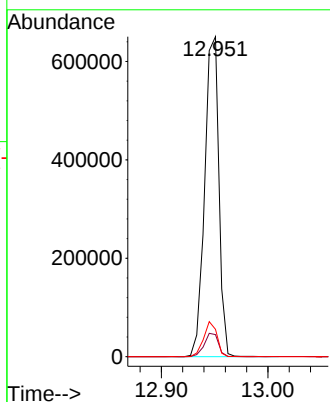
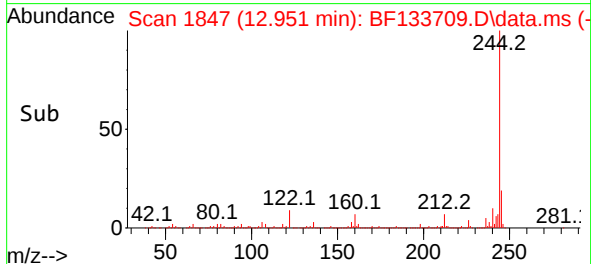


Tgt Ion:244 Resp: 60552
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 8.5 8.1 12.1

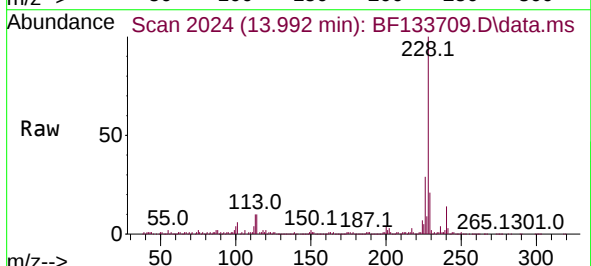
Manual Integrations

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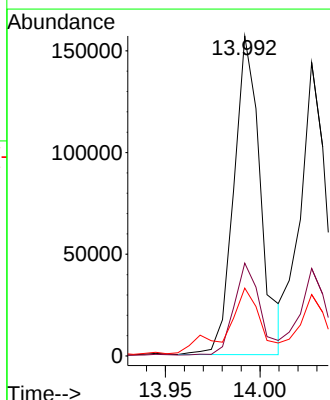
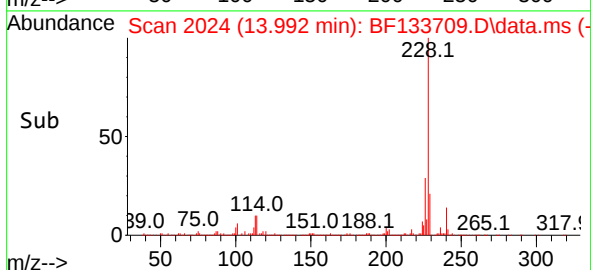
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

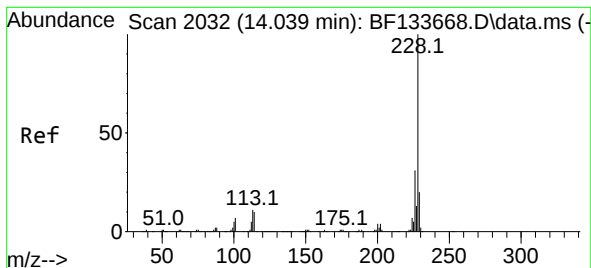


#81
 Benzo(a)anthracene
 Concen: 13.584 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.012 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57



Tgt Ion:228 Resp: 153561
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.7 32.5
 229 21.2 15.4 23.2





#83

Chrysene

Concen: 12.317 ng

RT: 14.027 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF133709.D

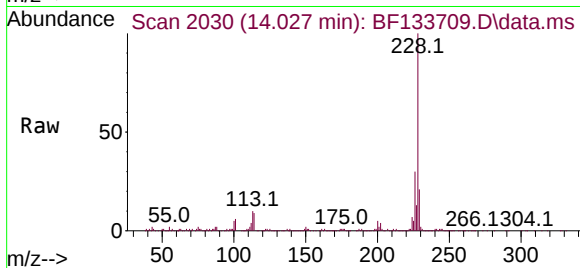
Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP



Tgt Ion:228 Resp: 131690

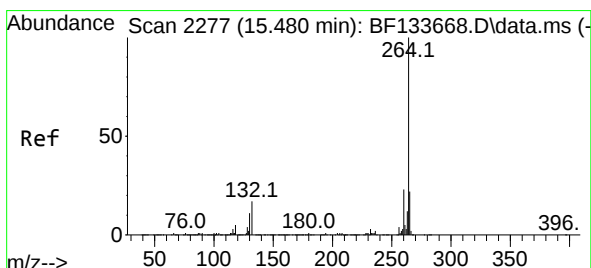
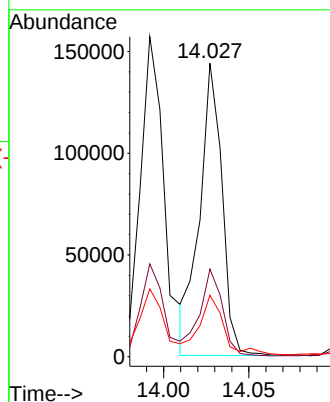
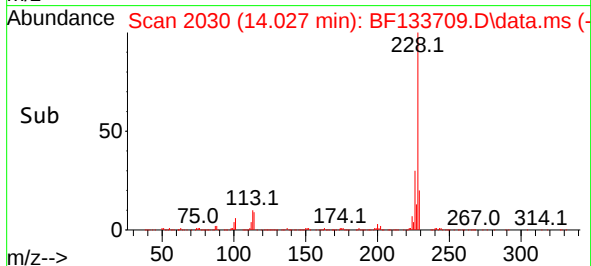
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.9	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#86

Perylene-d12

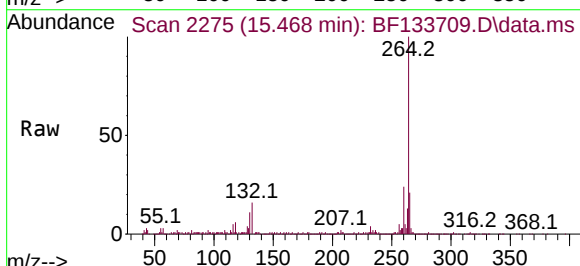
Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

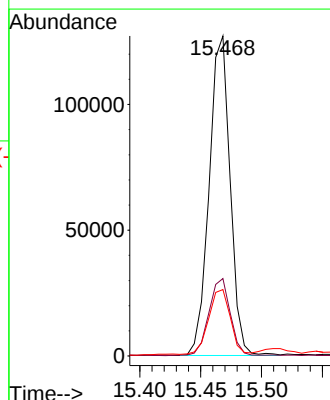
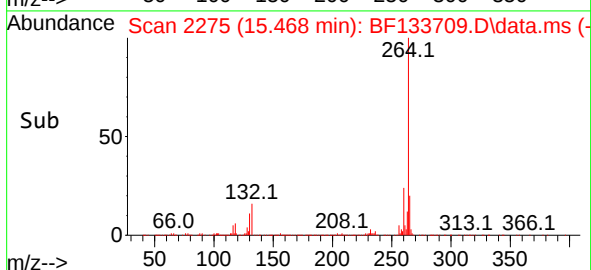
Lab File: BF133709.D

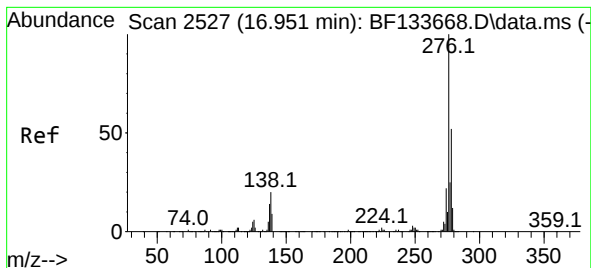
Acq: 12 Jun 2023 17:57



Tgt Ion:264 Resp: 152126

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	20.8	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.414 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

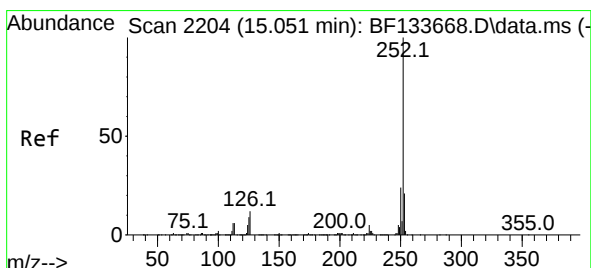
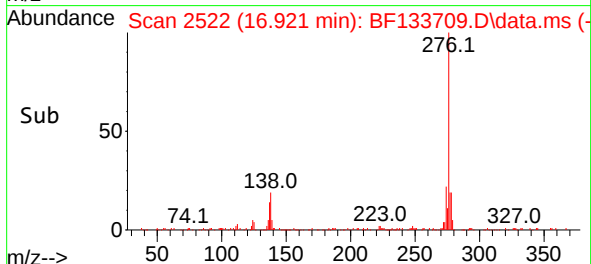
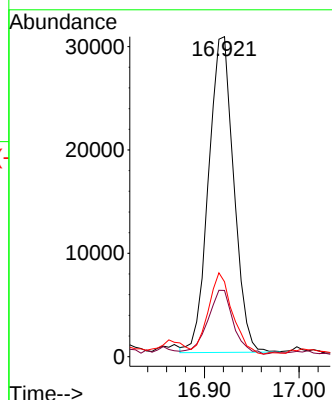
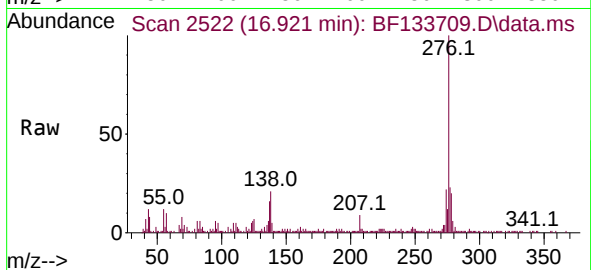
ClientSampleId :

SB-02-5.0-7.0-DUP

Tgt Ion:	276	Resp:	5666
Ion Ratio	Lower	Upper	
276	100		
138	20.7	17.9	26.9
277	24.5	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: 17.349 ng m

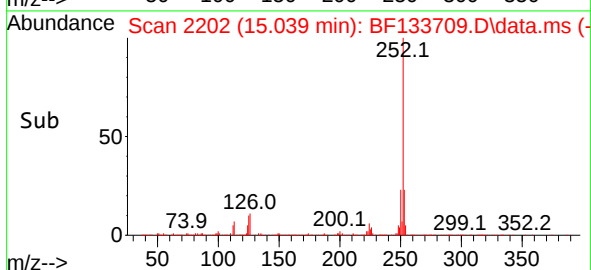
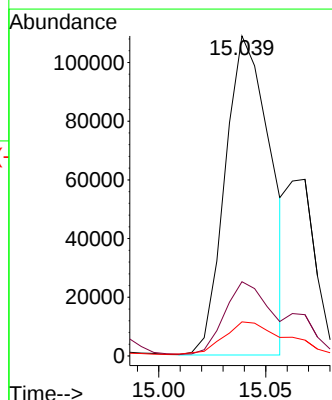
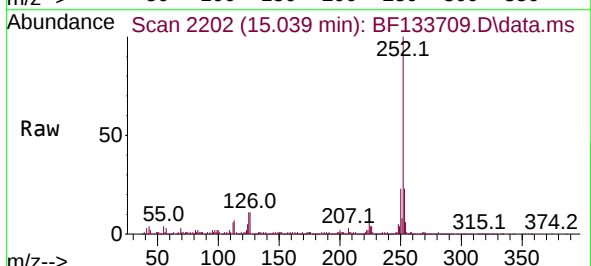
RT: 15.039 min Scan# 2202

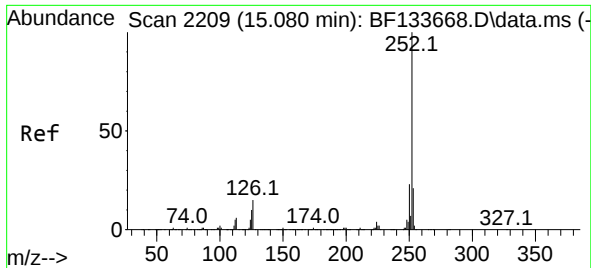
Delta R.T. -0.012 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Tgt Ion:	252	Resp:	160322
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	10.7	7.3	10.9





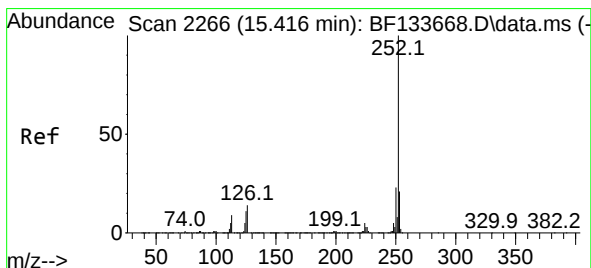
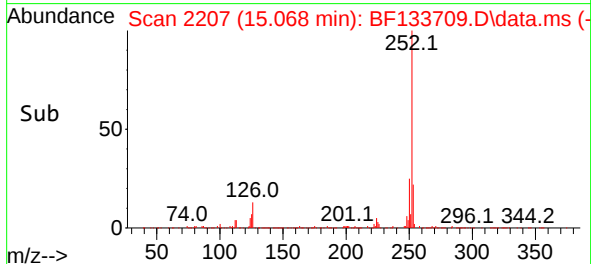
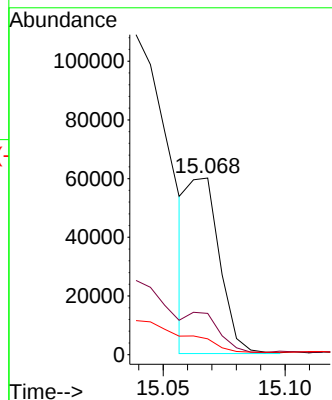
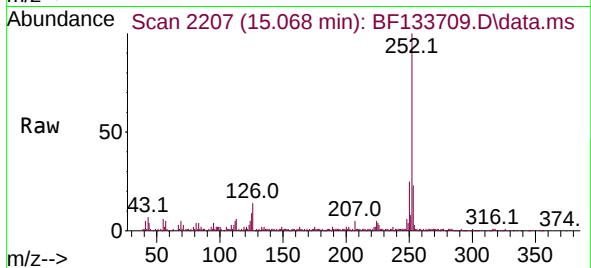
#89
Benzo(k)fluoranthene
Concen: 5.992 ng m
RT: 15.068 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP

Tgt Ion:252 Resp: 5394
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.4
125 9.0 7.8 11.6

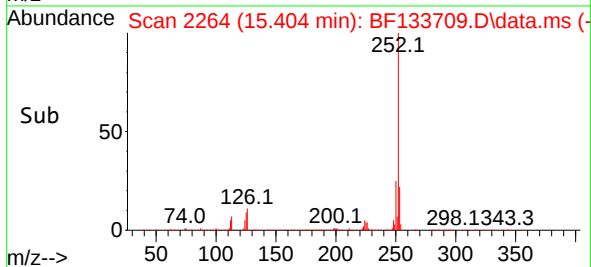
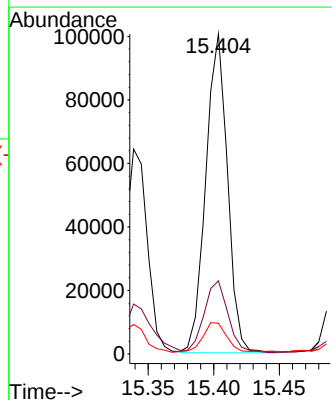
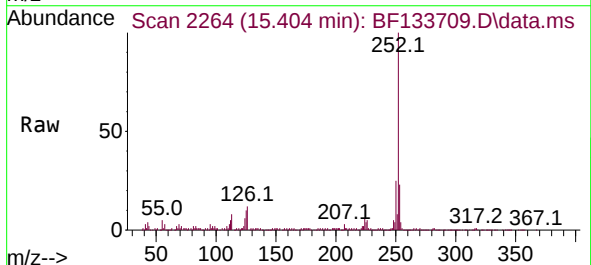
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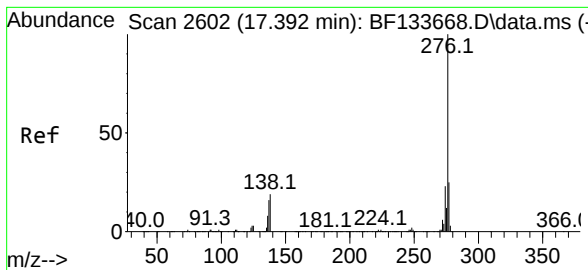
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#90
Benzo(a)pyrene
Concen: 13.514 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.012 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

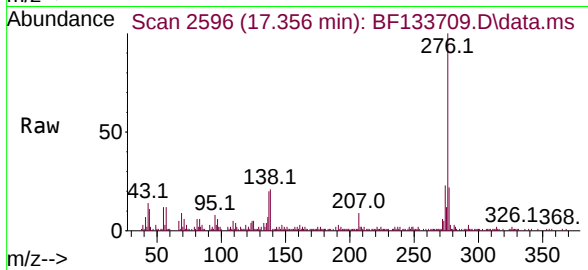
Tgt Ion:252 Resp: 115904
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 9.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.243 ng
 RT: 17.356 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP



Tgt Ion: 276 Resp: 5363

Ion	Ratio	Lower	Upper
276	100		
277	21.8	19.8	29.8
138	20.7	15.0	22.4

Manual Integrations
 APPROVED

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

