

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133707.D
 Acq On : 12 Jun 2023 16:51
 Operator : CG\JU
 Sample : 03044-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Manual Integrations
 APPROVED

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

Quant Time: Jun 12 18:00:39 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	73577	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	281615	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	132052	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	222313	20.000	ng	0.00
76) Chrysene-d12	14.004	240	152217	20.000	ng	-0.01
86) Perylene-d12	15.468	264	181600	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	390810	92.469	ng	0.00
7) Phenol-d6	6.457	99	472583	85.904	ng	-0.01
23) Nitrobenzene-d5	7.392	82	328775	63.588	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	123161	73.681	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	568212	61.167	ng	0.00
79) Terphenyl-d14	12.945	244	425048	43.208	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	152415	13.513	ng	98
72) Anthracene	11.433	178	34536	2.937	ng	99
75) Fluoranthene	12.574	202	240396	20.070	ng	99
78) Pyrene	12.804	202	227162	16.020	ng	99
81) Benzo(a)anthracene	13.992	228	118164	11.223	ng	97
83) Chrysene	14.027	228	104797	10.523	ng	96
87) Indeno(1,2,3-cd)pyrene	16.921	276	65406	5.235	ng	95
88) Benzo(b)fluoranthene	15.039	252	144357m	13.086	ng	
89) Benzo(k)fluoranthene	15.062	252	47340m	4.405	ng	
90) Benzo(a)pyrene	15.404	252	110353	10.779	ng	97
92) Benzo(g,h,i)perylene	17.362	276	57966	5.652	ng	95

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

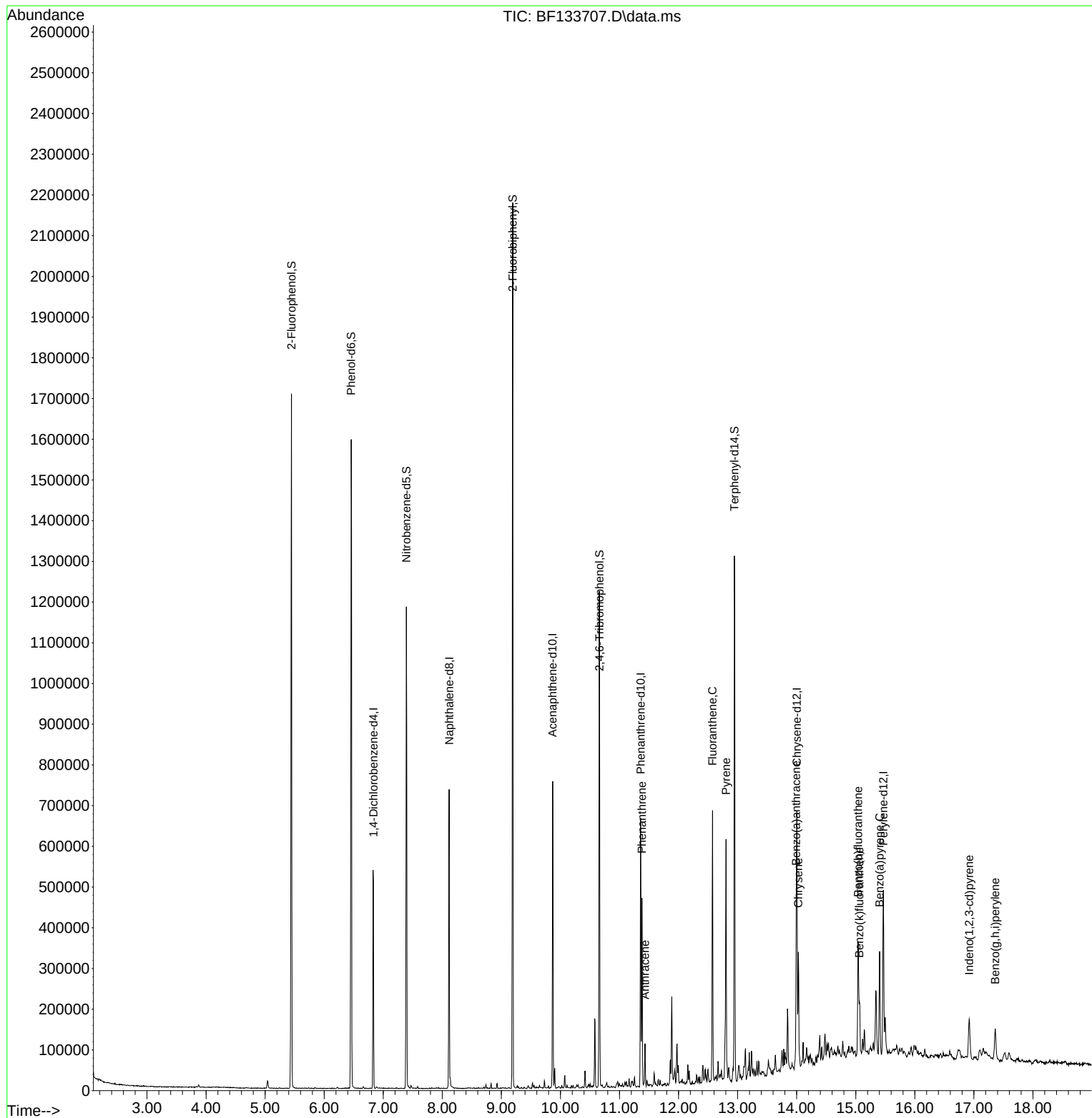
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133707.D
Acq On : 12 Jun 2023 16:51
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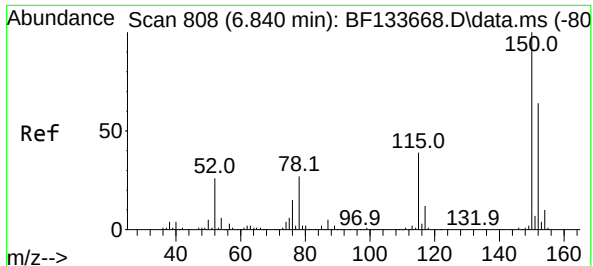
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

Quant Time: Jun 12 18:00:39 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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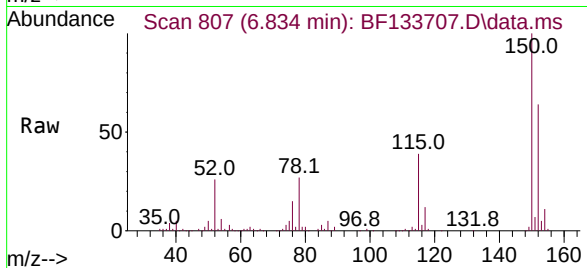
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

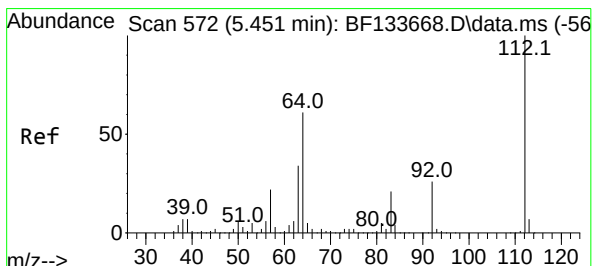
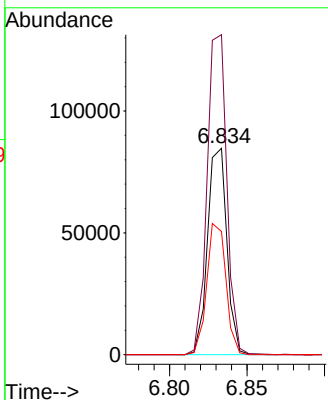
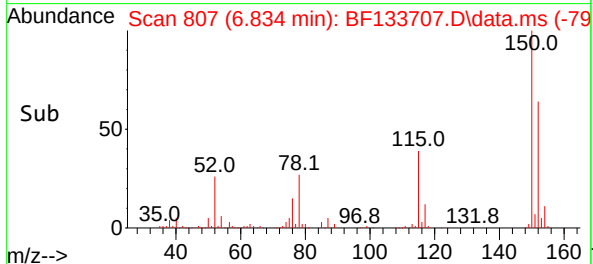
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



Tgt Ion:152 Resp: 7357
Ion Ratio Lower Upper
152 100
150 155.1 124.3 186.5
115 59.7 48.5 72.7

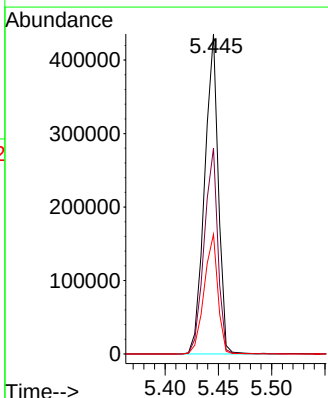
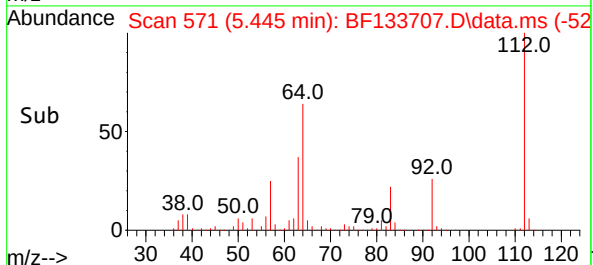
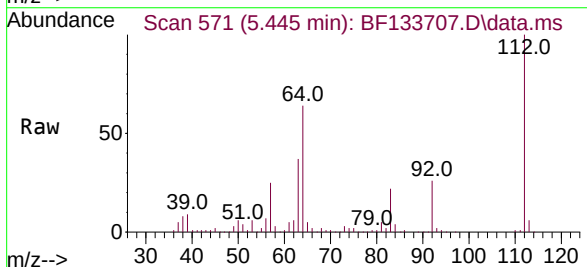
Manual Integrations
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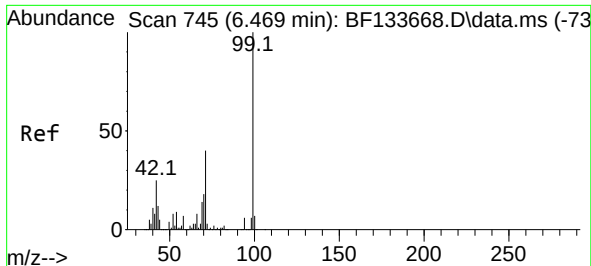
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 92.469 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

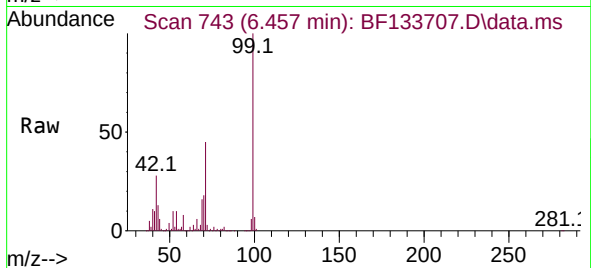
Tgt Ion:112 Resp: 390810
Ion Ratio Lower Upper
112 100
64 64.4 49.0 73.4
63 37.4 26.8 40.2





#7
Phenol-d6
Concen: 85.904 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

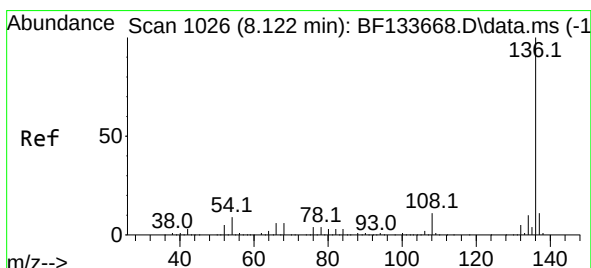
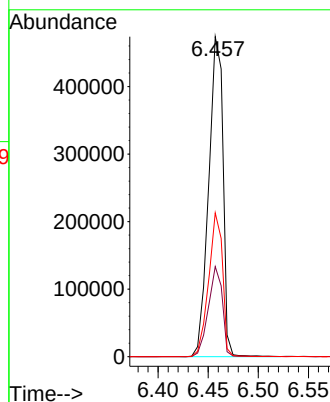
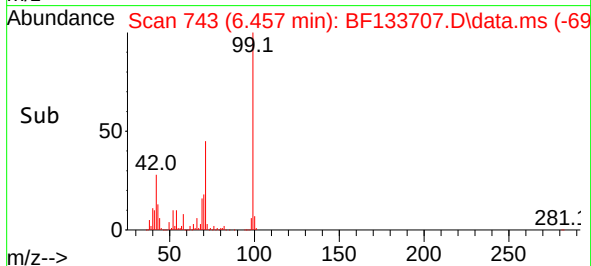
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



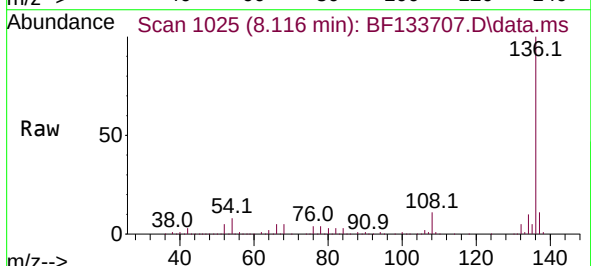
Tgt Ion: 99 Resp: 47258
Ion Ratio Lower Upper
99 100
42 28.2 19.9 29.9
71 44.9 32.2 48.4

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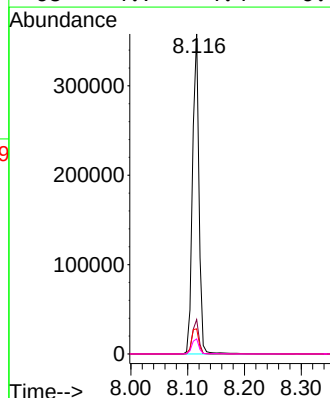
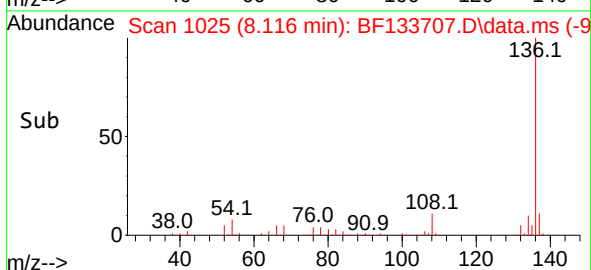
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

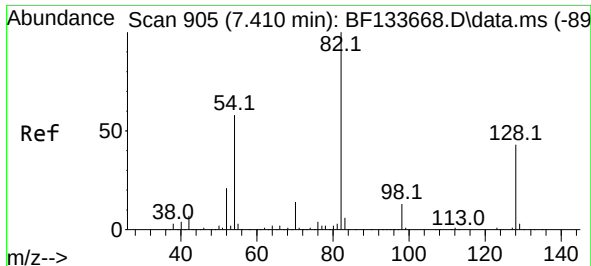


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51



Tgt Ion:136 Resp: 281615
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.9 7.4 11.0
68 4.7 4.4 6.6





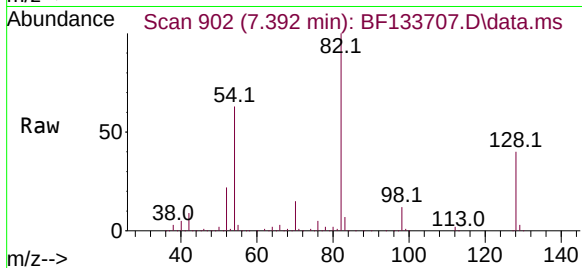
#23
Nitrobenzene-d5
Concen: 63.588 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

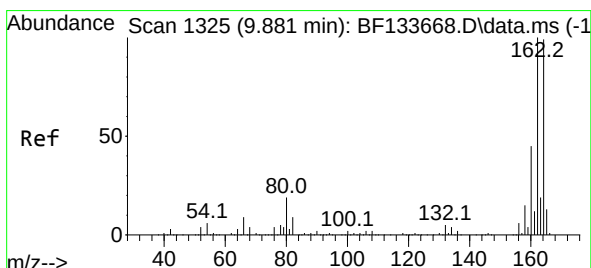
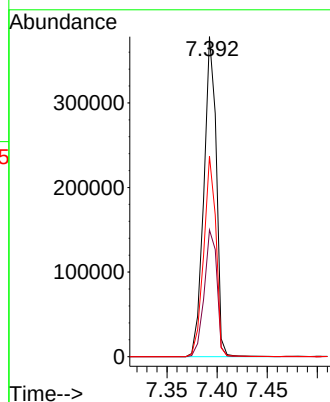
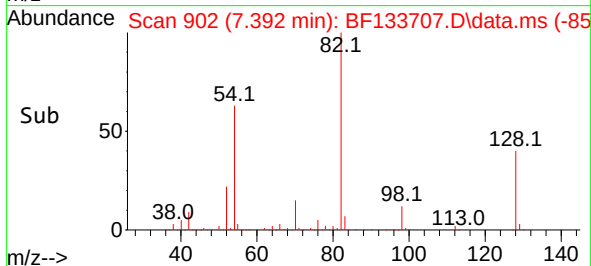


Tgt Ion: 82 Resp: 328775
Ion Ratio Lower Upper
82 100
128 39.6 34.2 51.2
54 62.7 46.5 69.7

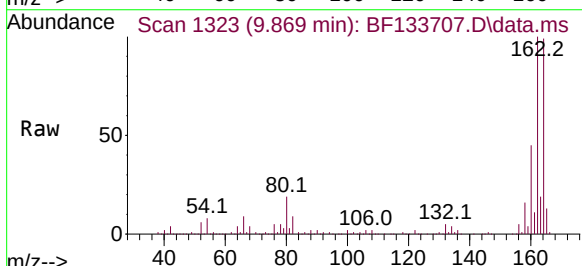
Manual Integrations

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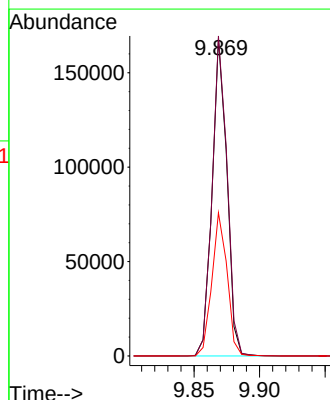
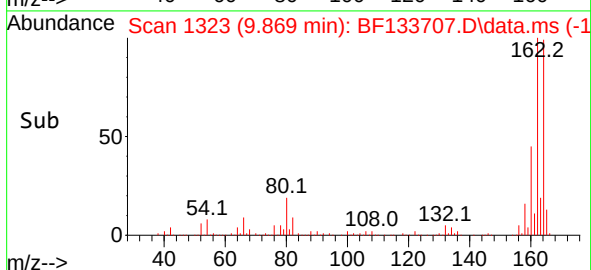
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

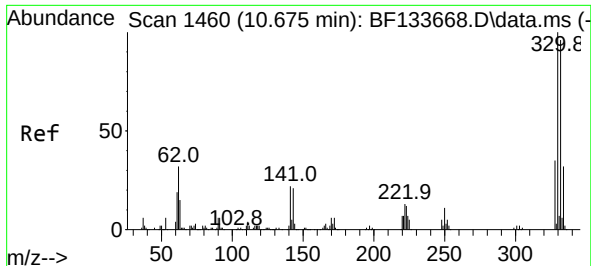


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51



Tgt Ion:164 Resp: 132052
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 45.1 36.7 55.1





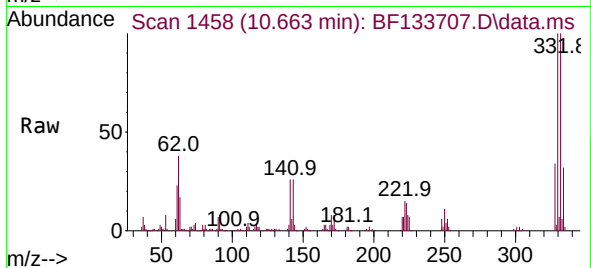
#42
2,4,6-Tribromophenol
Concen: 73.681 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0



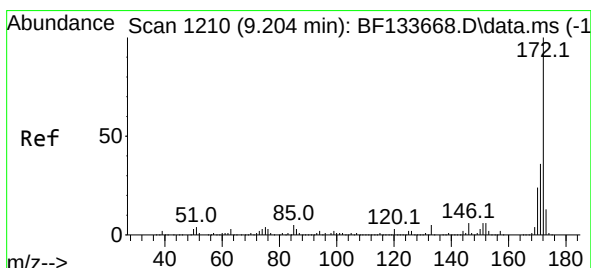
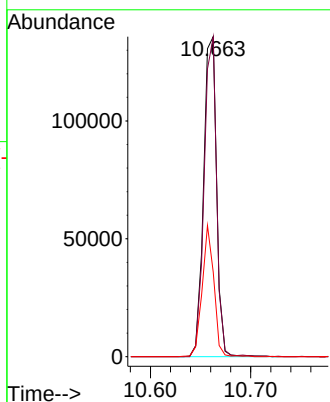
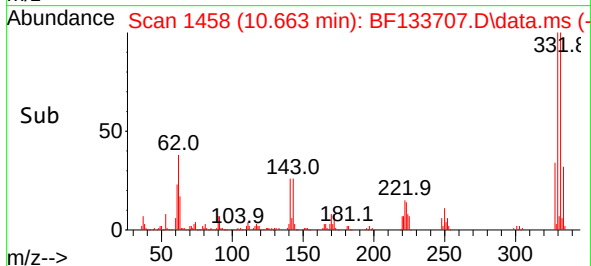
Tgt Ion:330 Resp: 12316
Ion Ratio Lower Upper
330 100
332 96.1 77.2 115.8
141 36.9 24.9 37.3

Manual Integrations

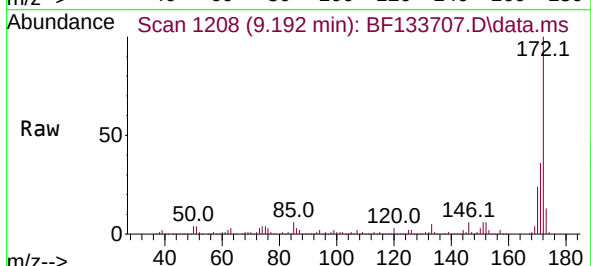
APPROVED

Reviewed By :Yogesh Patel 06/13/2023

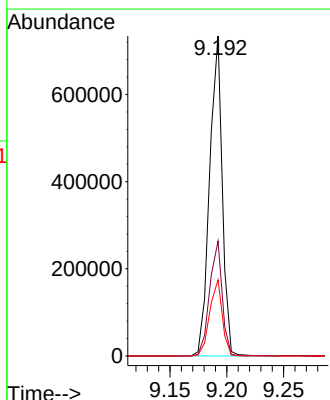
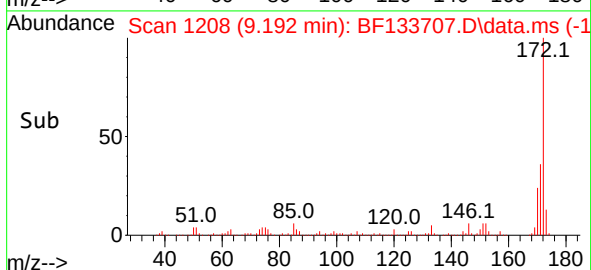
Supervised By :mohammad ahmed 06/13/2023

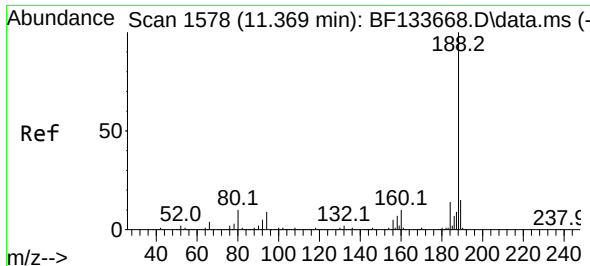


#45
2-Fluorobiphenyl
Concen: 61.167 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51



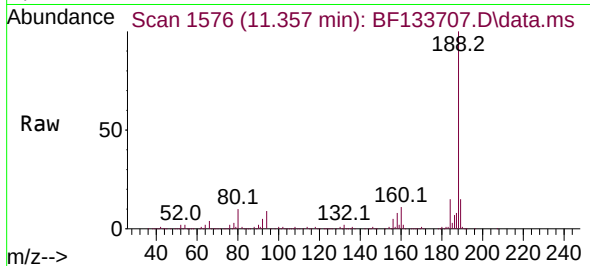
Tgt Ion:172 Resp: 568212
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

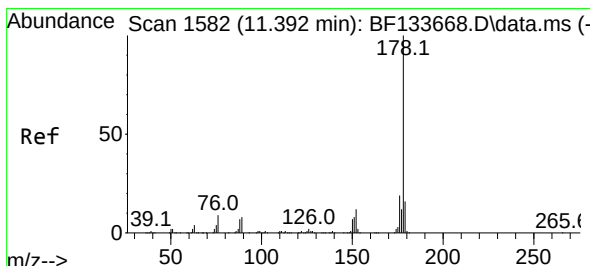
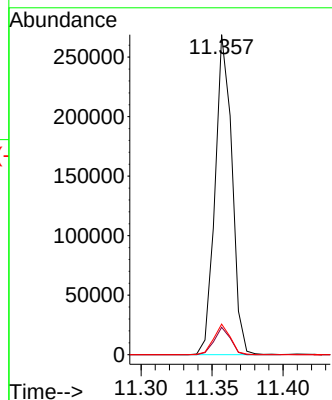
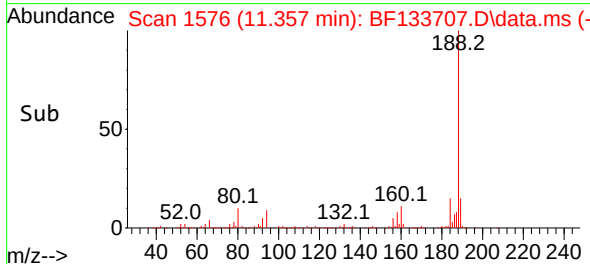
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



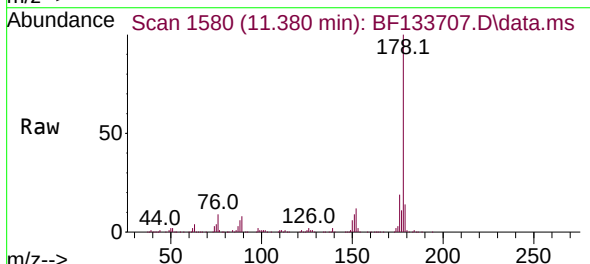
Tgt Ion:188 Resp: 22231
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.5 7.8 11.6

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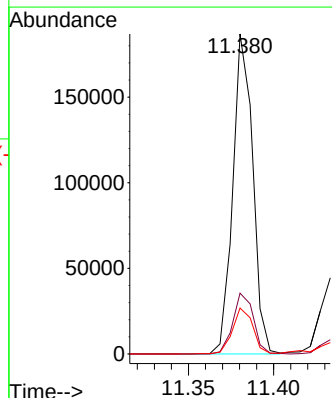
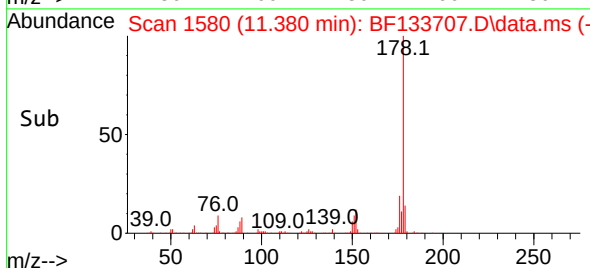
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

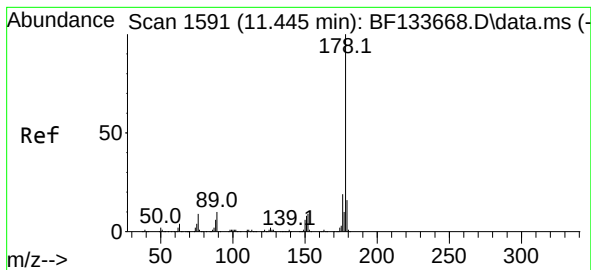


#71
Phenanthrene
Concen: 13.513 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51



Tgt Ion:178 Resp: 152415
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 14.3 12.4 18.6





#72

Anthracene

Concen: 2.937 ng

RT: 11.433 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133707.D

Acq: 12 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:178 Resp: 34530

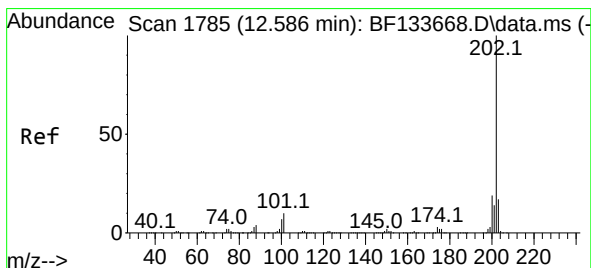
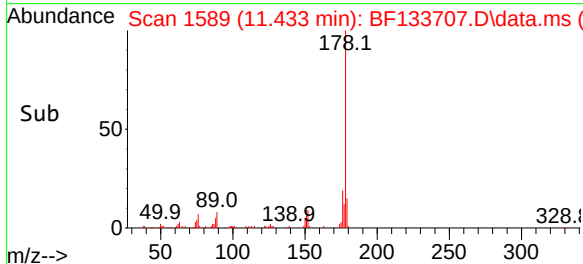
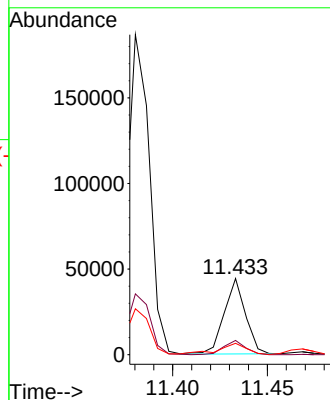
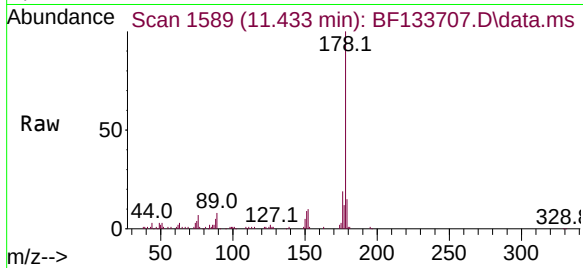
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	14.9	12.6	18.8

Manual Integrations

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#75

Fluoranthene

Concen: 20.070 ng

RT: 12.574 min Scan# 1783

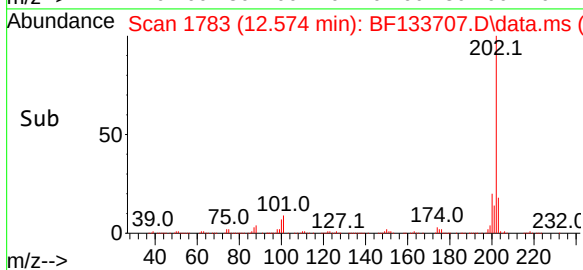
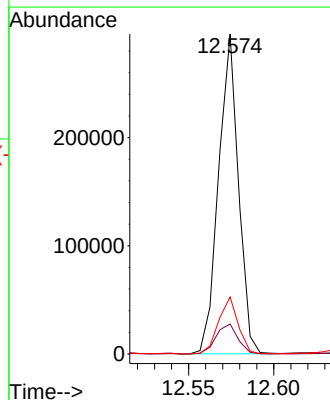
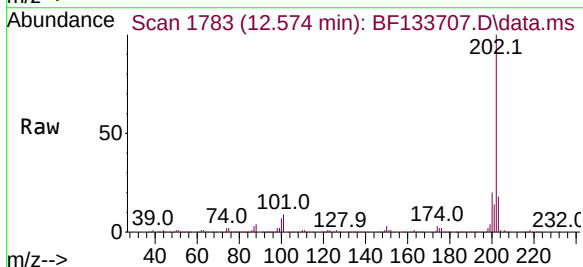
Delta R.T. -0.006 min

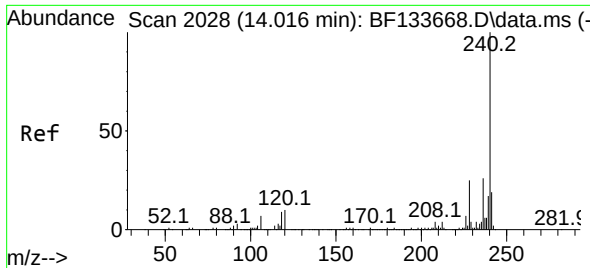
Lab File: BF133707.D

Acq: 12 Jun 2023 16:51

Tgt Ion:202 Resp: 240396

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.6
203	17.8	0.0	37.4





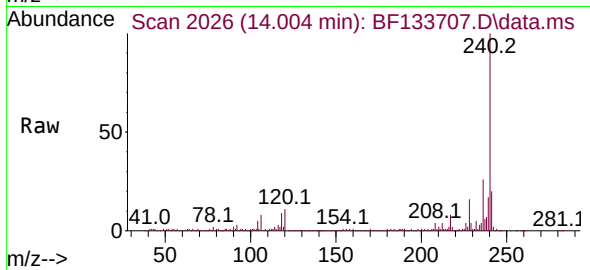
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

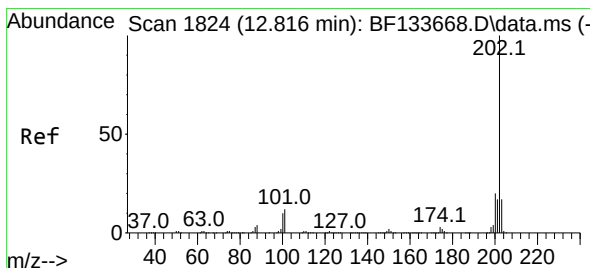
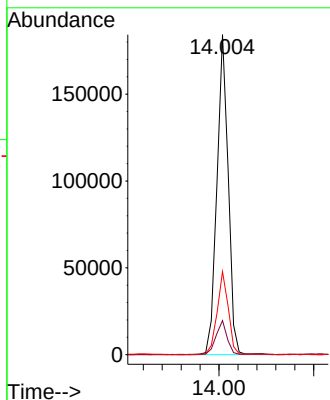
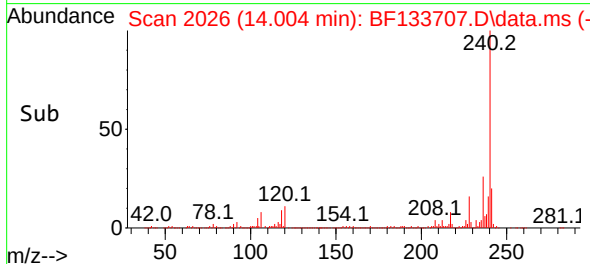


Tgt Ion:240 Resp: 152217
Ion Ratio Lower Upper
240 100
120 10.6 8.1 12.1
236 25.9 20.5 30.7

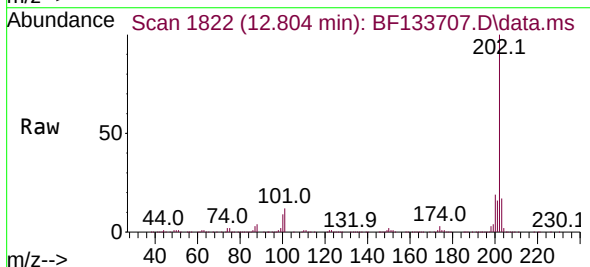
Manual Integrations

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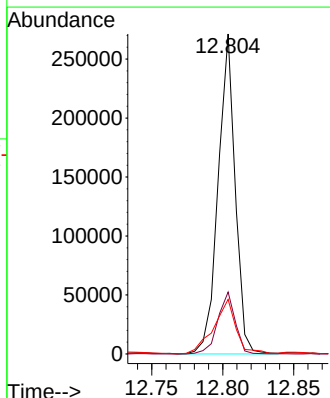
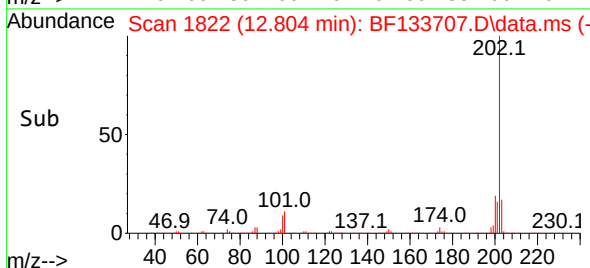
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

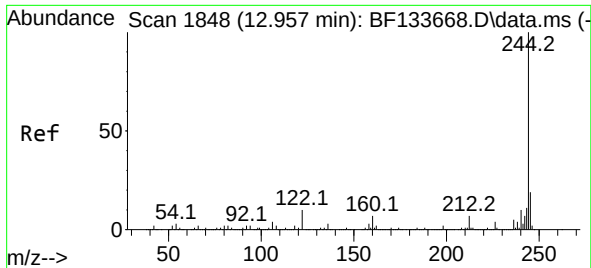


#78
Pyrene
Concen: 16.020 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51



Tgt Ion:202 Resp: 227162
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.1 13.9 20.9





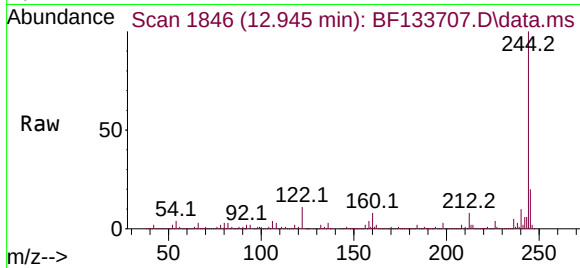
#79
 Terphenyl-d14
 Concen: 43.208 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF133707.D
 Acq: 12 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

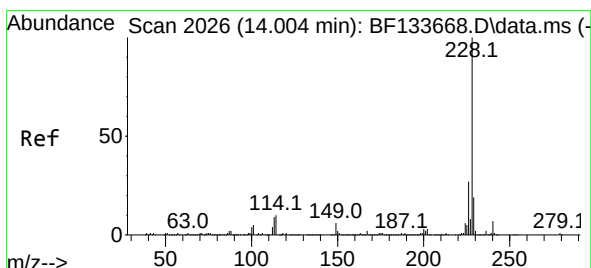
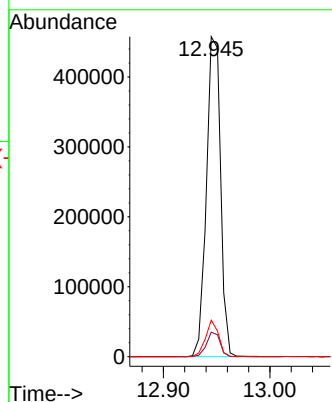
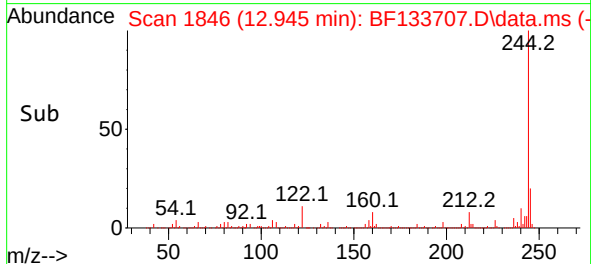


Tgt Ion:244 Resp: 425048
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 11.4 8.1 12.1

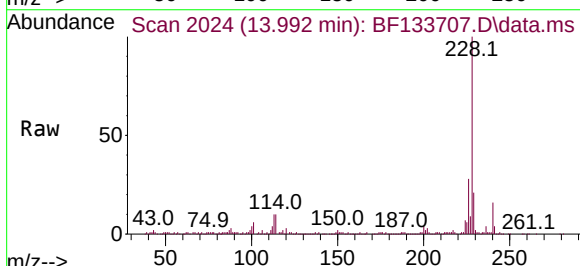
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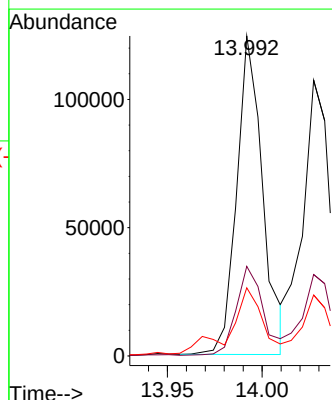
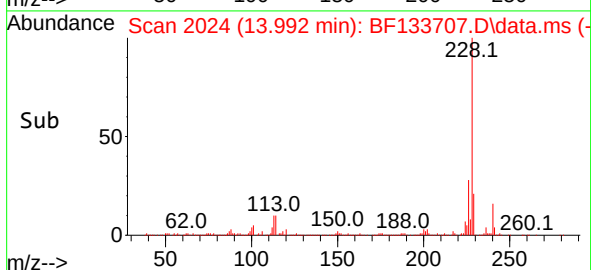
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

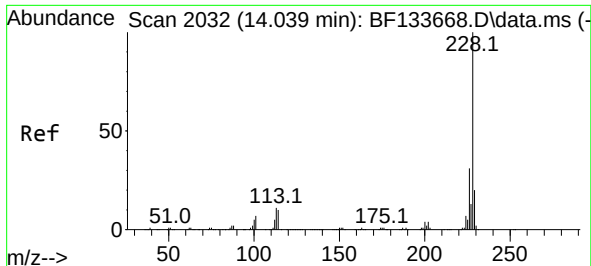


#81
 Benzo(a)anthracene
 Concen: 11.223 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.012 min
 Lab File: BF133707.D
 Acq: 12 Jun 2023 16:51



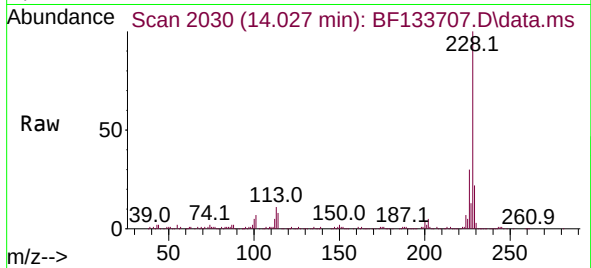
Tgt Ion:228 Resp: 118164
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 21.3 15.4 23.2





#83
Chrysene
Concen: 10.523 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

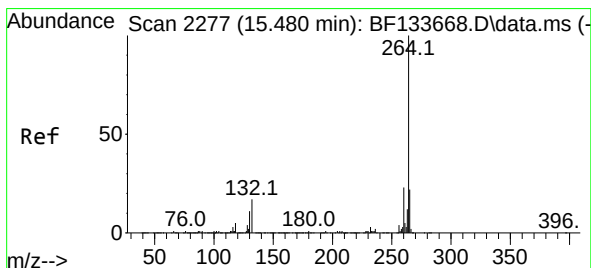
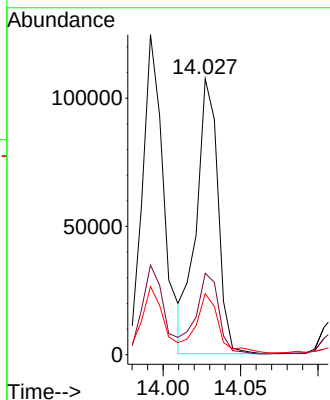
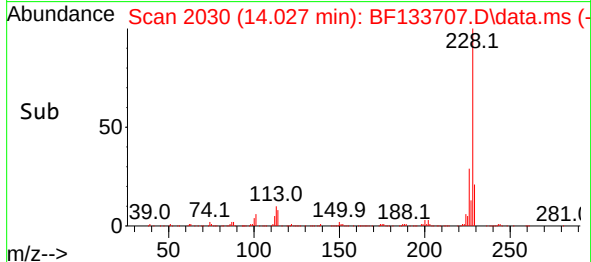
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



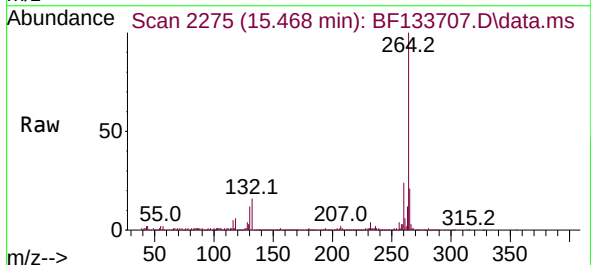
Tgt Ion:228 Resp: 104797
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.1 15.8 23.8

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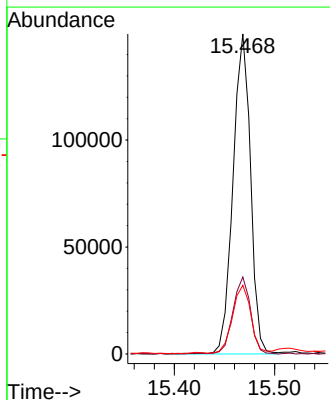
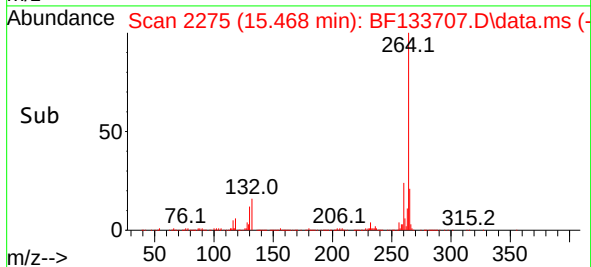
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

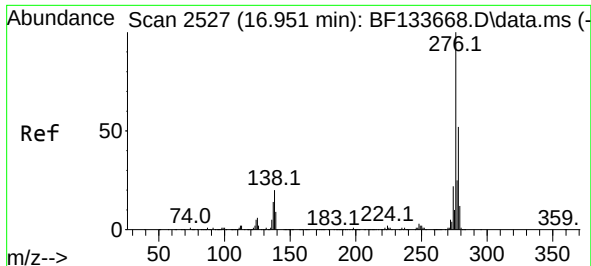


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51



Tgt Ion:264 Resp: 181600
Ion Ratio Lower Upper
264 100
260 24.1 18.2 27.2
265 21.5 17.8 26.6





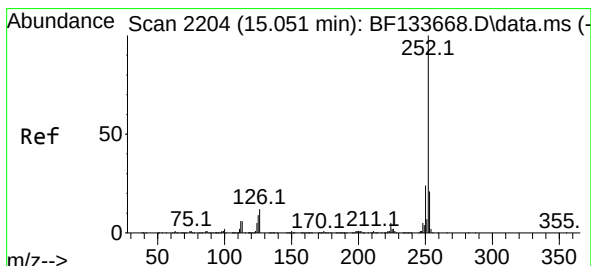
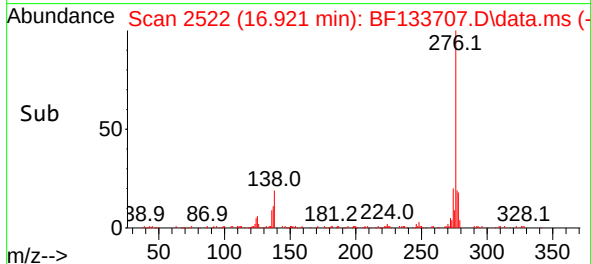
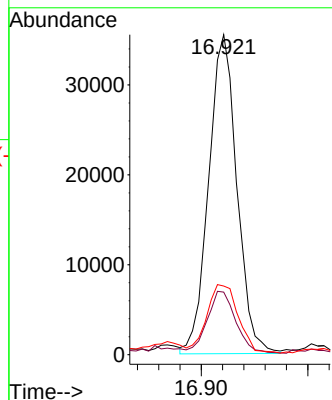
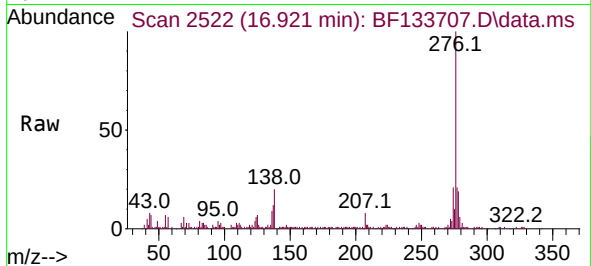
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.235 ng
RT: 16.921 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

Tgt Ion:276 Resp: 65400
Ion Ratio Lower Upper
276 100
138 19.3 17.9 26.9
277 23.8 20.3 30.5

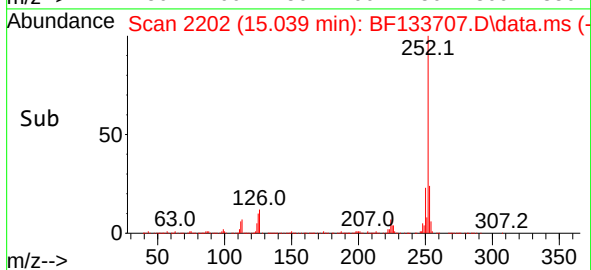
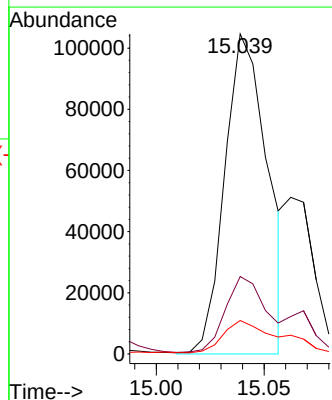
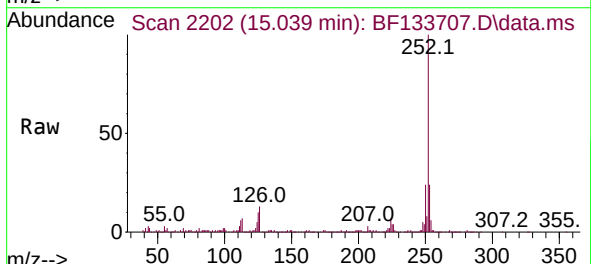
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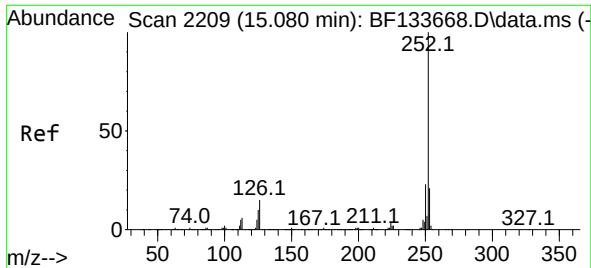
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 13.086 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF133707.D
Acq: 12 Jun 2023 16:51

Tgt Ion:252 Resp: 144357
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 10.5 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 4.405 ng m

RT: 15.062 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133707.D

Acq: 12 Jun 2023 16:51

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:252 Resp: 47340

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

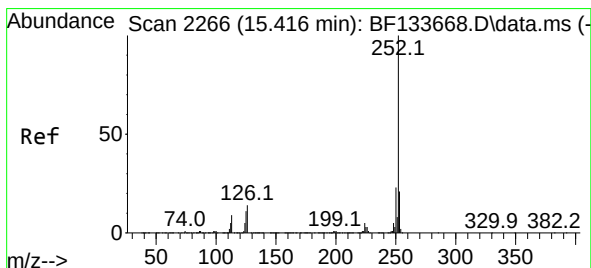
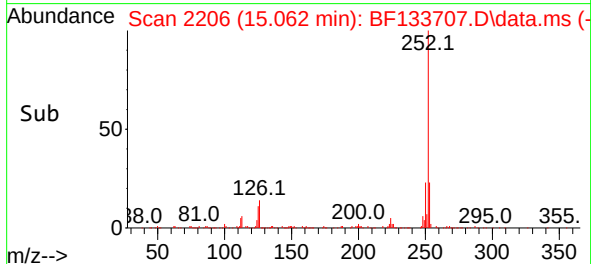
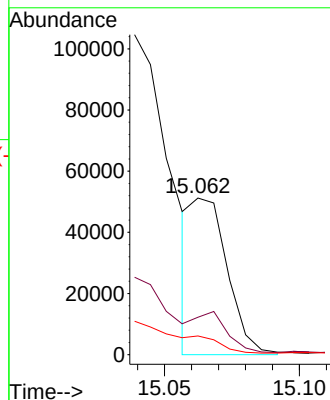
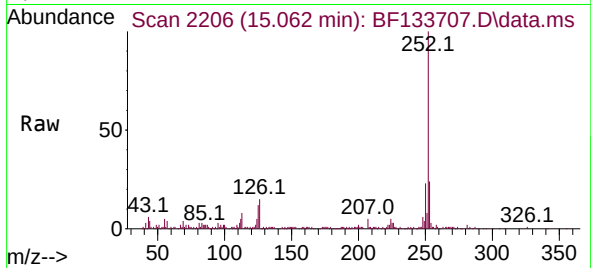
125 12.0 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#90

Benzo(a)pyrene

Concen: 10.779 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.012 min

Lab File: BF133707.D

Acq: 12 Jun 2023 16:51

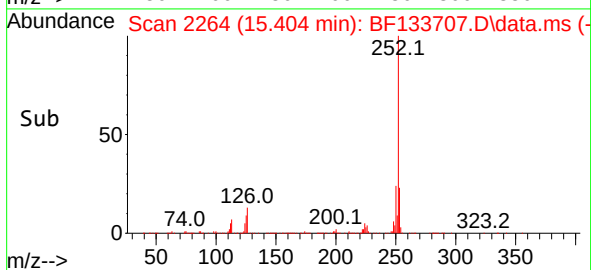
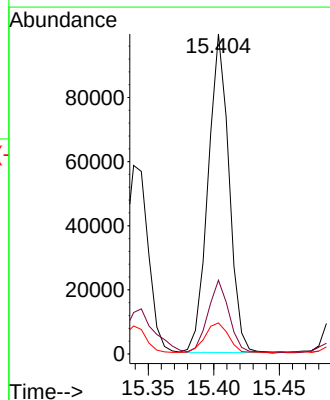
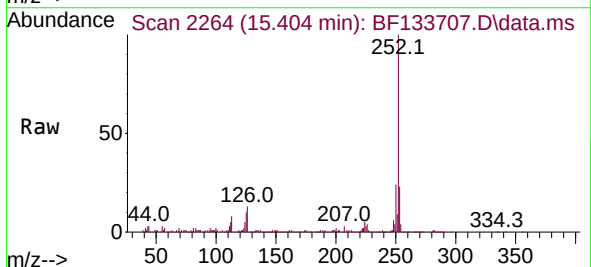
Tgt Ion:252 Resp: 110353

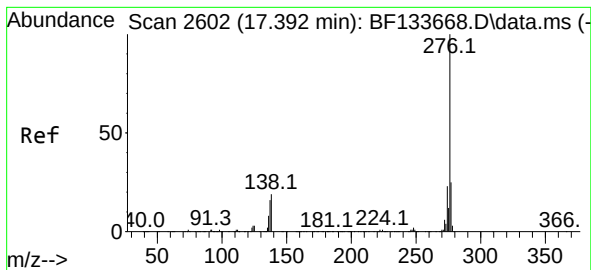
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

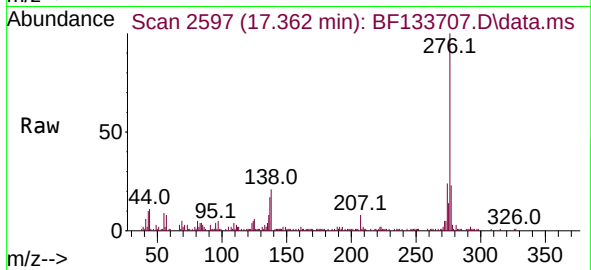
125 9.7 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.652 ng
 RT: 17.362 min Scan# 2597
 Delta R.T. -0.030 min
 Lab File: BF133707.D
 Acq: 12 Jun 2023 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0



Tgt Ion:	276	Resp:	5796
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.8	29.8
138	21.2	15.0	22.4

Manual Integrations
 APPROVED

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

