

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133705.D
 Acq On : 12 Jun 2023 15:48
 Operator : CG\JU
 Sample : 03047-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB32A

Manual Integrations
 APPROVED

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

Quant Time: Jun 12 16:32:59 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	70666	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	269863	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	124935	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	199014	20.000	ng	0.00
76) Chrysene-d12	14.004	240	129548	20.000	ng	-0.01
86) Perylene-d12	15.468	264	172188	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	344966	84.984	ng	0.00
7) Phenol-d6	6.457	99	401991	76.082	ng	-0.01
23) Nitrobenzene-d5	7.392	82	284131	57.346	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	100984	63.855	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	522683	59.471	ng	0.00
79) Terphenyl-d14	12.951	244	374908	44.780	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.574	202	100982	9.418	ng	98
78) Pyrene	12.804	202	97738	8.099	ng	98
81) Benzo(a)anthracene	13.992	228	60383	6.739	ng	97
83) Chrysene	14.027	228	49180	5.803	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	49958	4.217	ng	95
88) Benzo(b)fluoranthene	15.045	252	91202m	8.719	ng	
89) Benzo(k)fluoranthene	15.068	252	23112m	2.268	ng	
90) Benzo(a)pyrene	15.404	252	66323	6.832	ng	94
92) Benzo(g,h,i)perylene	17.362	276	44132	4.539	ng	94

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

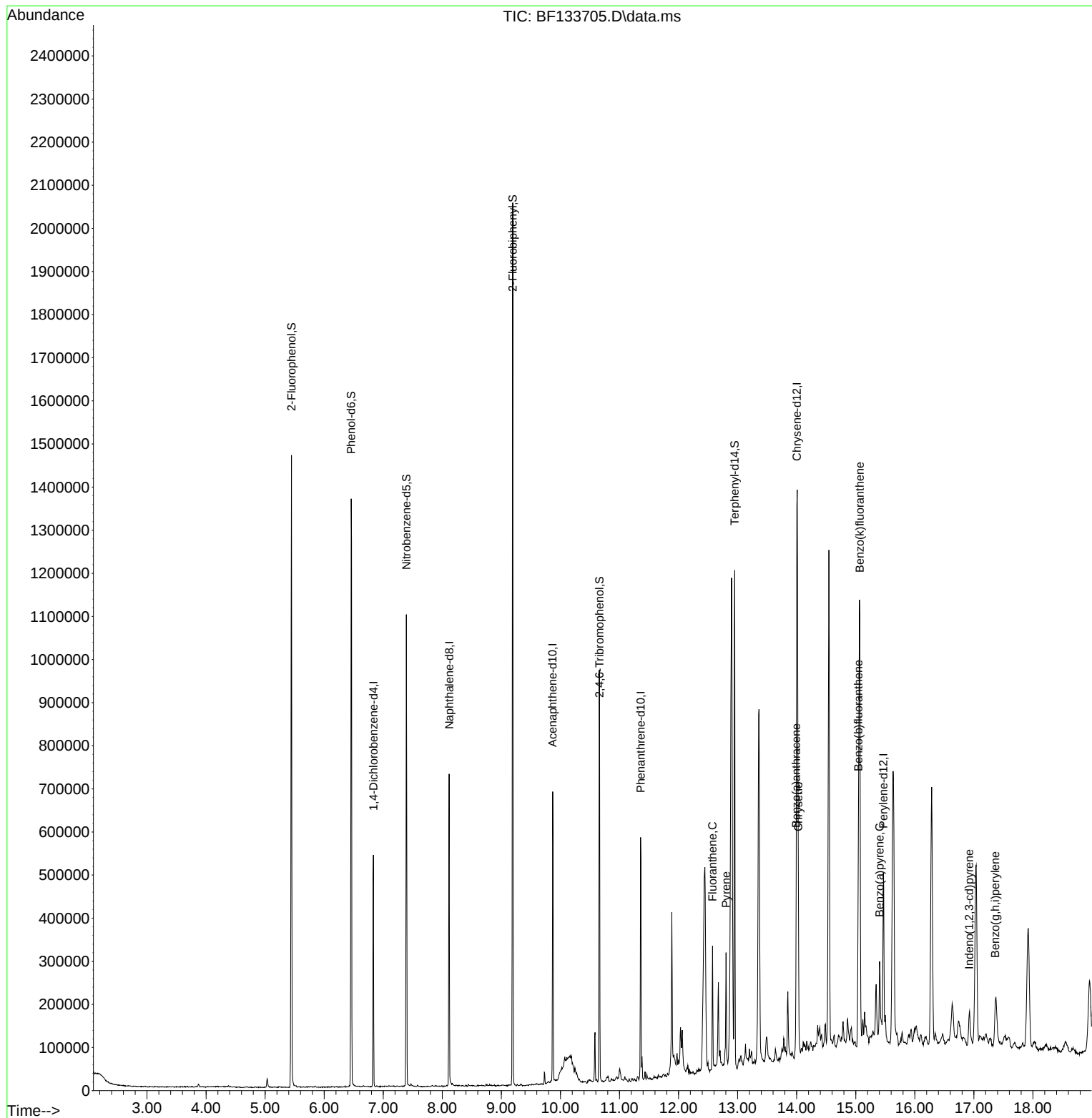
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133705.D
Acq On : 12 Jun 2023 15:48
Operator : CG\JU
Sample : 03047-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

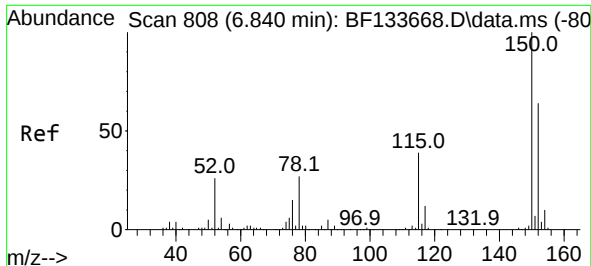
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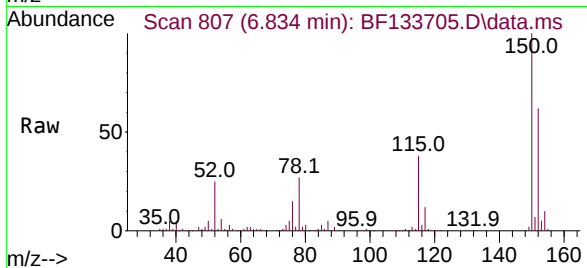
Quant Time: Jun 12 16:32:59 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 16:32:43 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

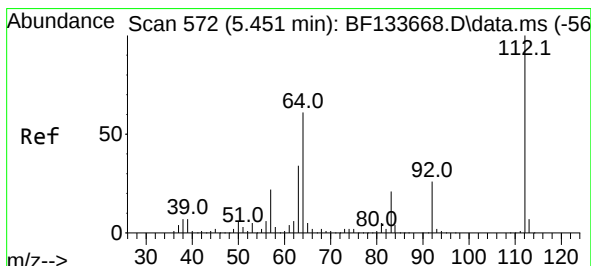
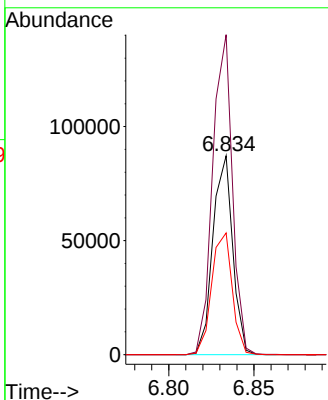
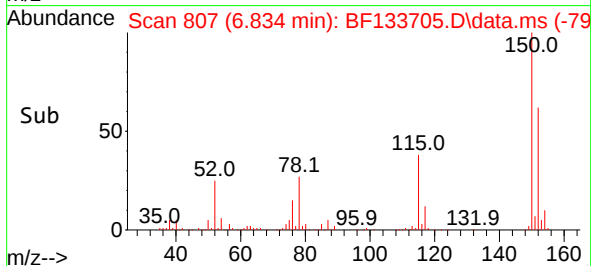
Instrument :
BNA_F
ClientSampleId :
SB32A



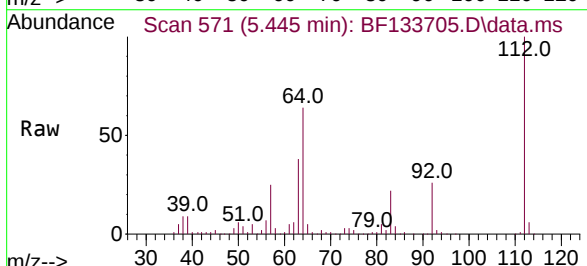
Tgt Ion:152 Resp: 70660
Ion Ratio Lower Upper
152 100
150 160.9 124.3 186.5
115 61.2 48.5 72.7

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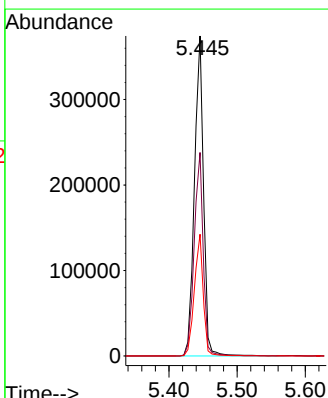
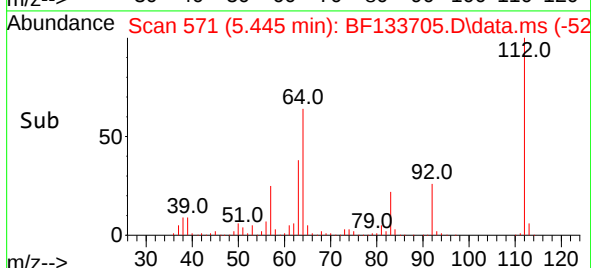
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

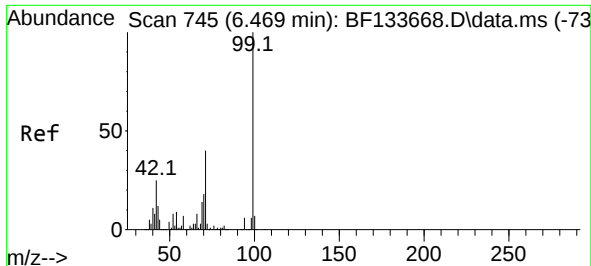


#5
2-Fluorophenol
Concen: 84.984 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.000 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48



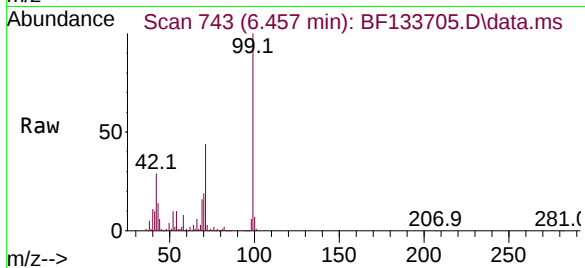
Tgt Ion:112 Resp: 344966
Ion Ratio Lower Upper
112 100
64 63.6 49.0 73.4
63 38.0 26.8 40.2





#7
Phenol-d6
Concen: 76.082 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

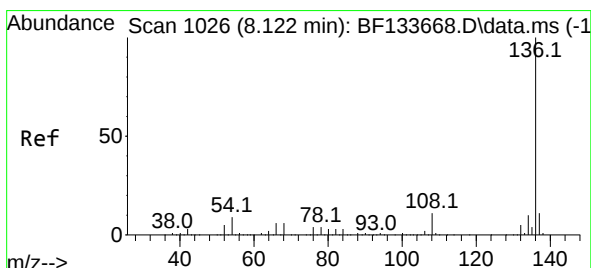
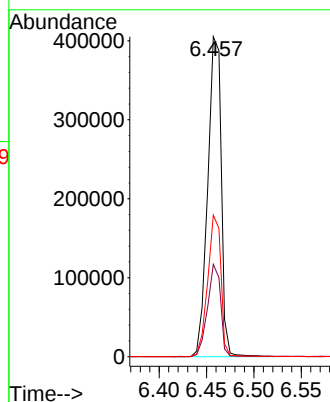
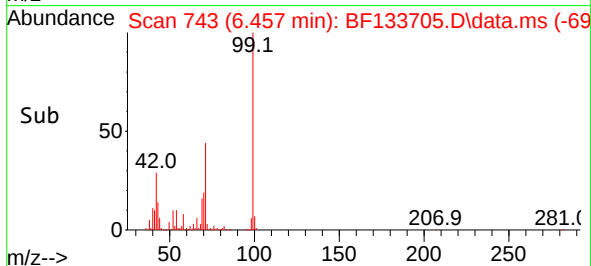
Instrument :
BNA_F
ClientSampleId :
SB32A



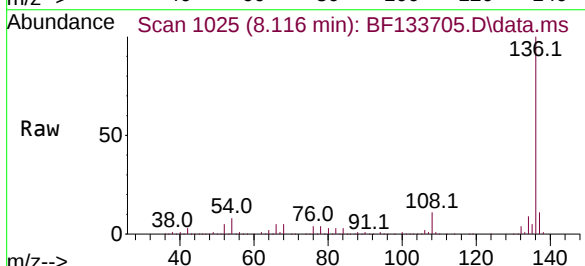
Tgt Ion: 99 Resp: 40199
Ion Ratio Lower Upper
99 100
42 28.8 19.9 29.9
71 44.3 32.2 48.4

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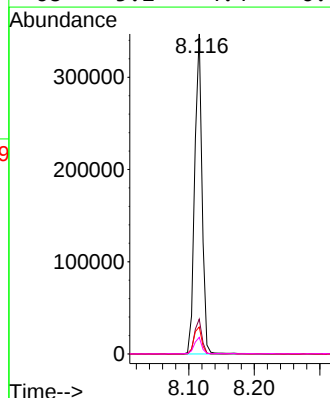
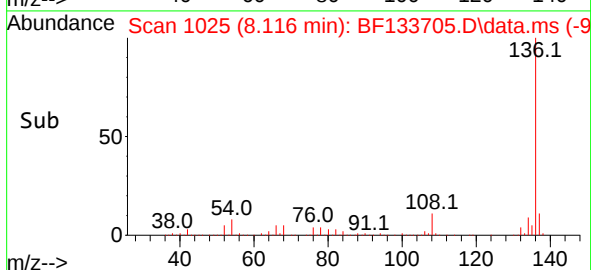
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

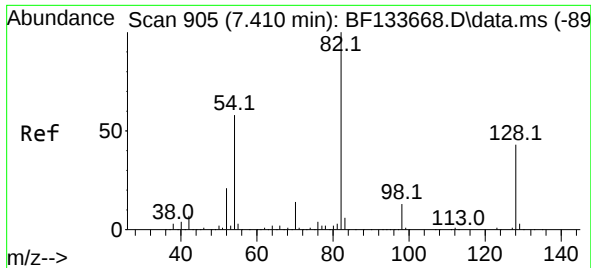


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48



Tgt Ion:136 Resp: 269863
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 7.4 11.0
68 5.2 4.4 6.6





#23

Nitrobenzene-d5

Concen: 57.346 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133705.D

Acq: 12 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB32A

Tgt Ion: 82 Resp: 28413

Ion Ratio Lower Upper

82 100

128 38.4 34.2 51.2

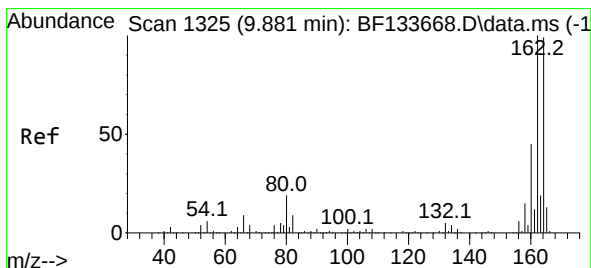
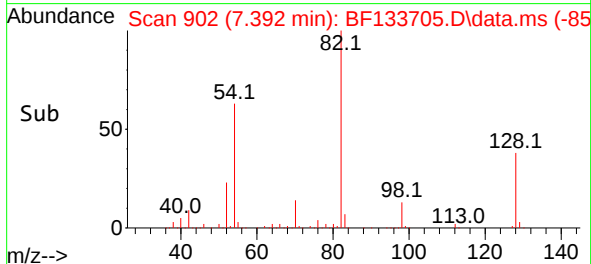
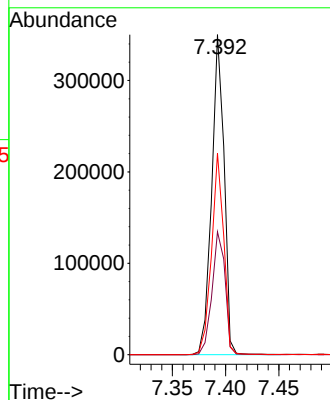
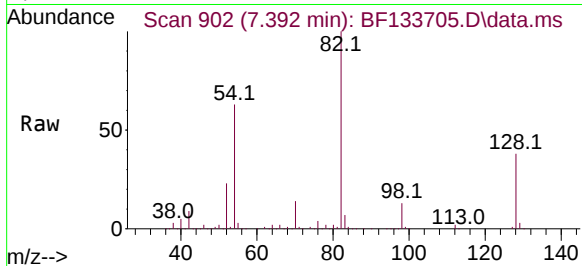
54 62.9 46.5 69.7

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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

Lab File: BF133705.D

Acq: 12 Jun 2023 15:48

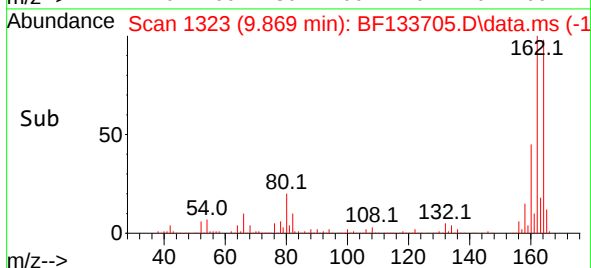
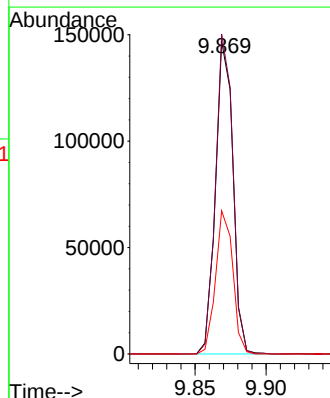
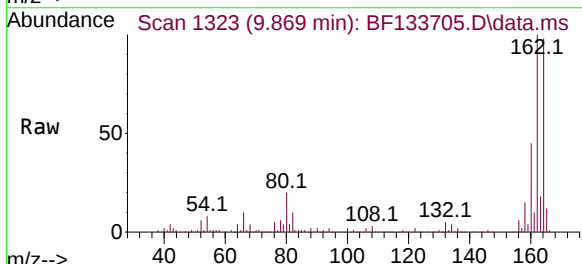
Tgt Ion:164 Resp: 124935

Ion Ratio Lower Upper

164 100

162 102.4 80.8 121.2

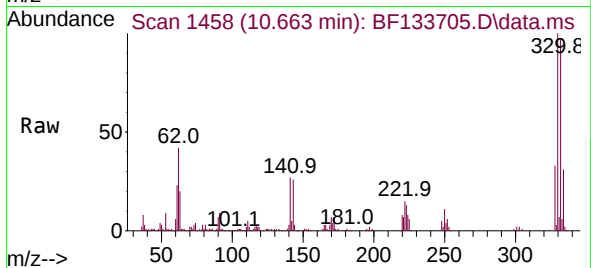
160 45.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 63.855 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

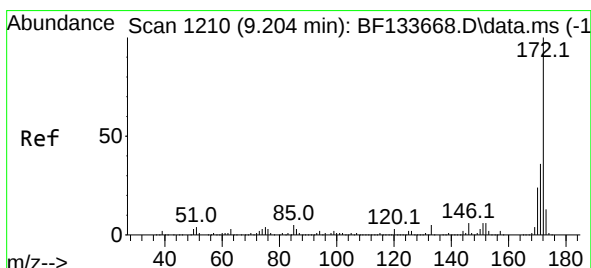
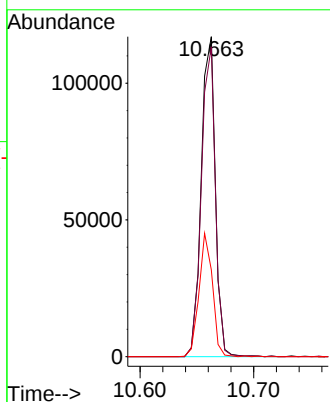
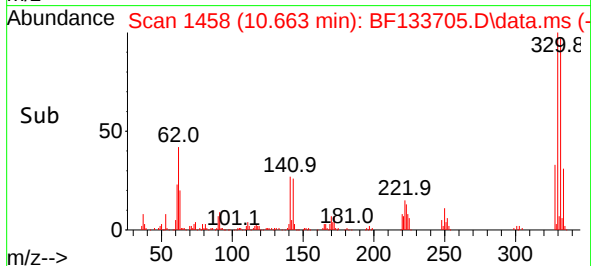
Instrument :
BNA_F
ClientSampleId :
SB32A



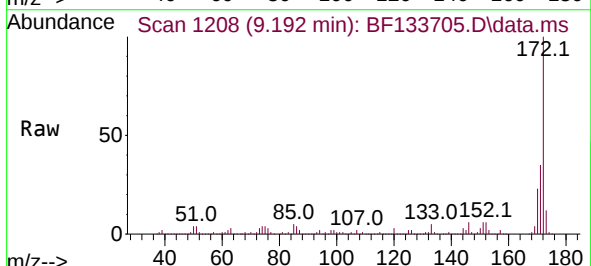
Tgt Ion:330 Resp: 100984
Ion Ratio Lower Upper
330 100
332 96.3 77.2 115.8
141 37.0 24.9 37.3

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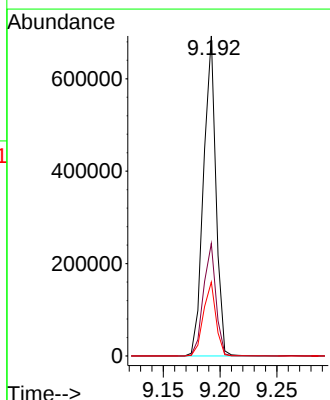
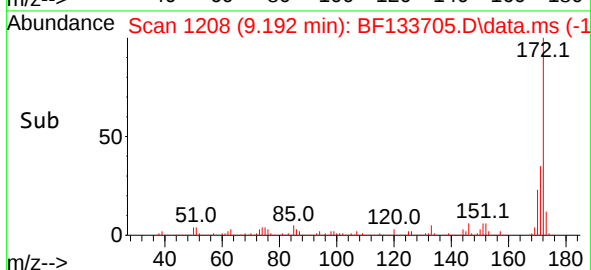
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#45
2-Fluorobiphenyl
Concen: 59.471 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48



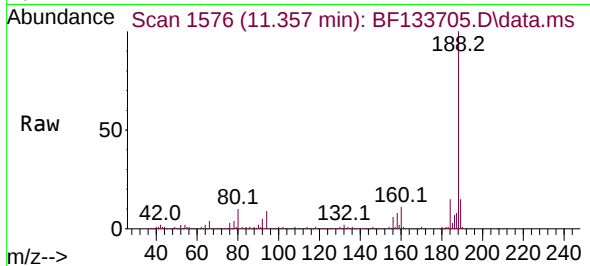
Tgt Ion:172 Resp: 522683
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

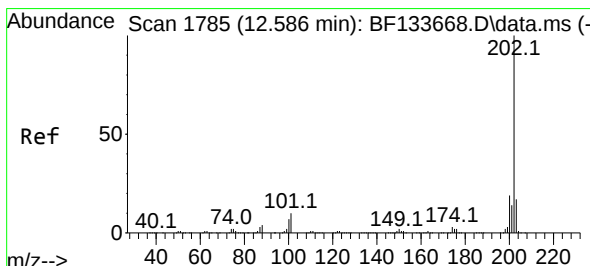
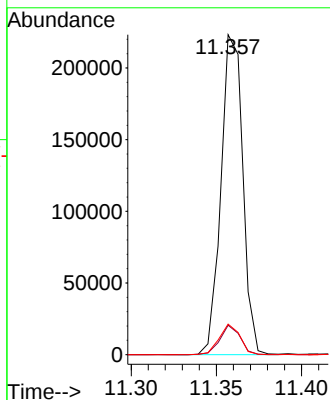
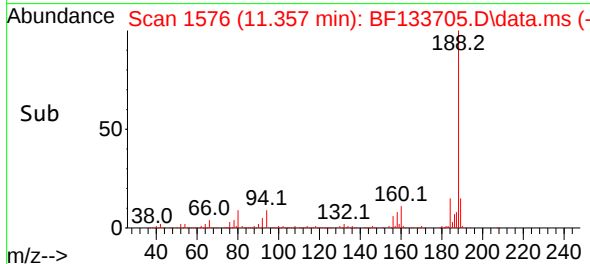
Instrument :
BNA_F
ClientSampleId :
SB32A



Tgt Ion:188 Resp: 199014
Ion Ratio Lower Upper
188 100
94 9.2 6.8 10.2
80 9.5 7.8 11.6

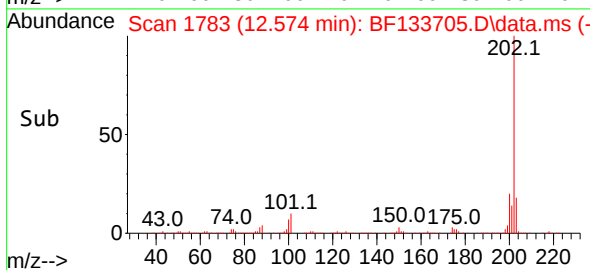
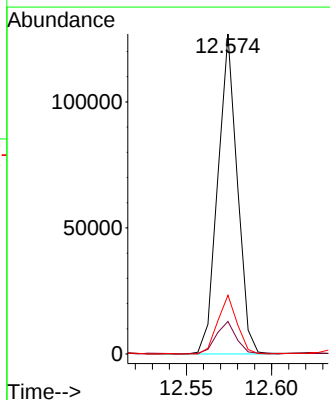
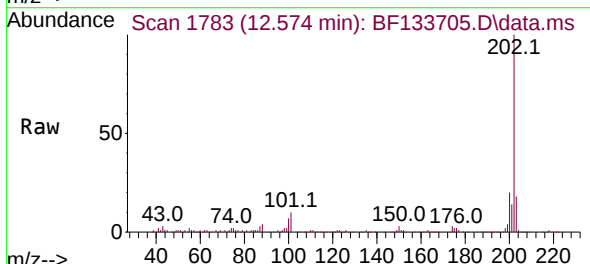
Manual Integrations
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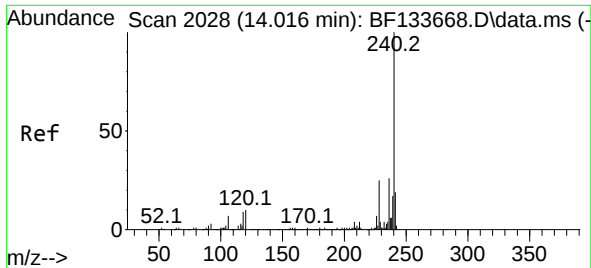
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#75
Fluoranthene
Concen: 9.418 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

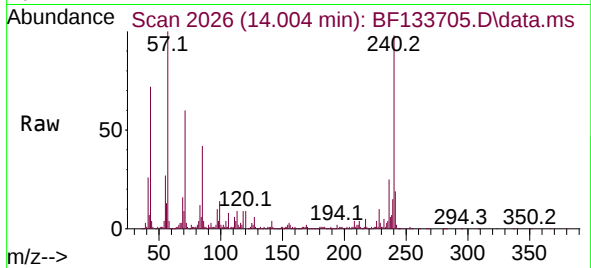
Tgt Ion:202 Resp: 100982
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.6
203 18.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

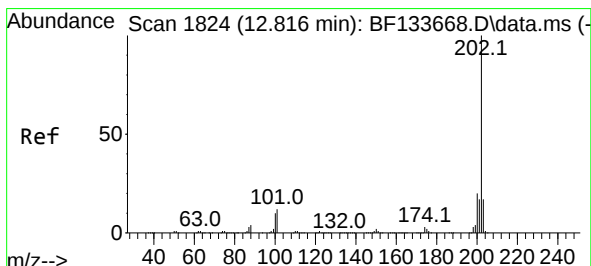
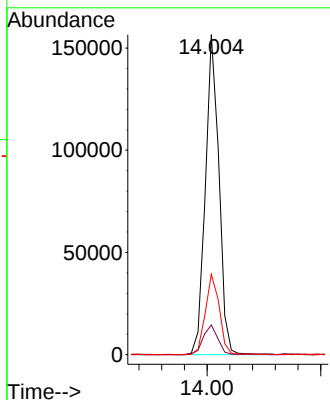
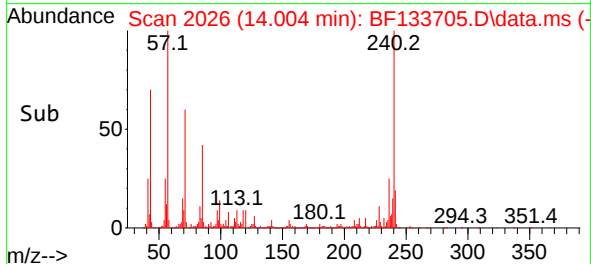
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:240 Resp: 129548
Ion Ratio Lower Upper
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120 9.3 8.1 12.1
236 25.1 20.5 30.7

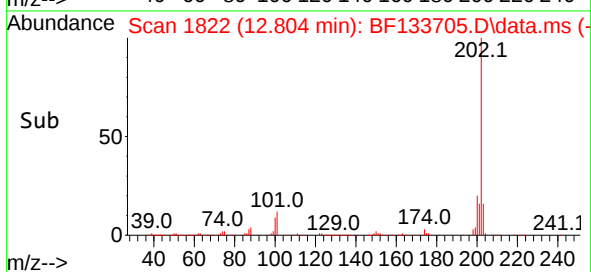
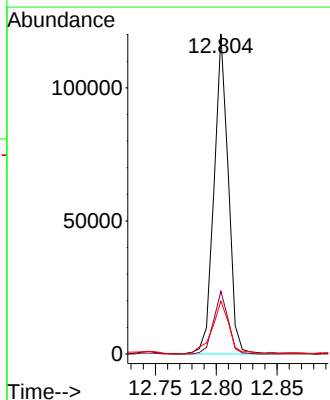
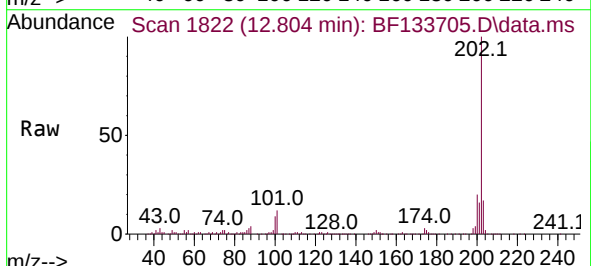
Manual Integrations
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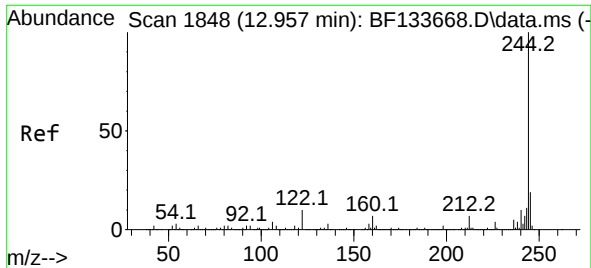
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#78
Pyrene
Concen: 8.099 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

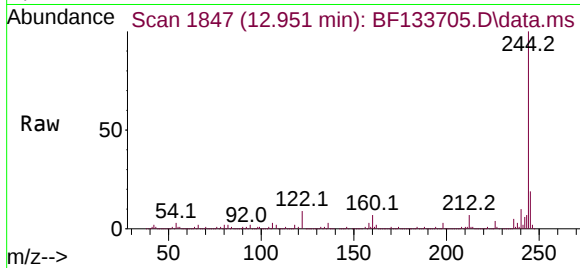
Tgt Ion:202 Resp: 97738
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 16.5 13.9 20.9





#79
 Terphenyl-d14
 Concen: 44.780 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133705.D
 Acq: 12 Jun 2023 15:48

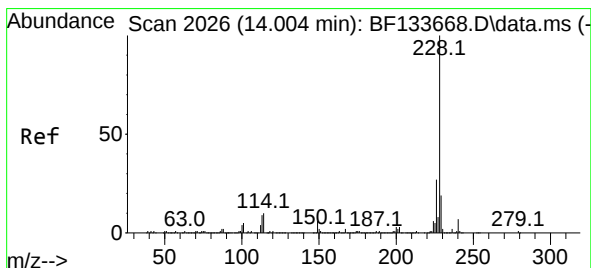
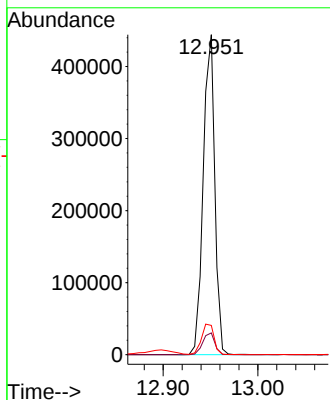
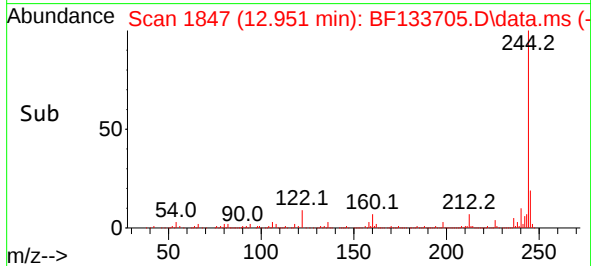
Instrument :
 BNA_F
 ClientSampleId :
 SB32A



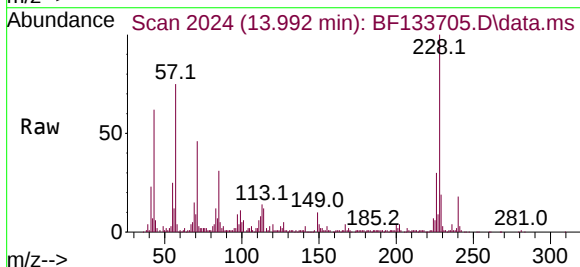
Tgt Ion:244 Resp: 374908
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.1 8.1 12.1

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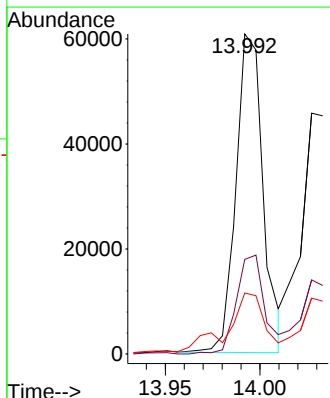
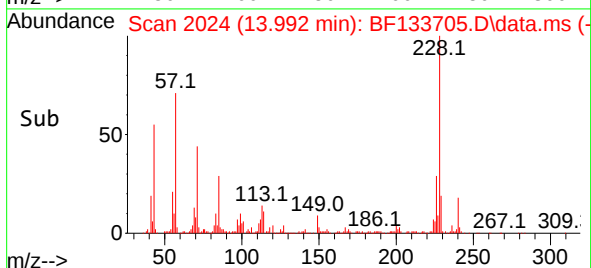
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

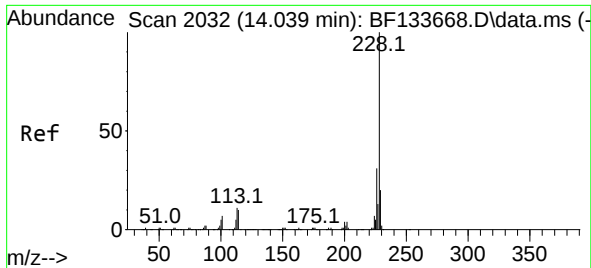


#81
 Benzo(a)anthracene
 Concen: 6.739 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.012 min
 Lab File: BF133705.D
 Acq: 12 Jun 2023 15:48



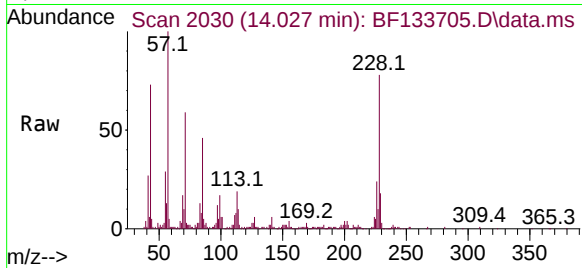
Tgt Ion:228 Resp: 60383
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.7 32.5
 229 19.0 15.4 23.2





#83
Chrysene
Concen: 5.803 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

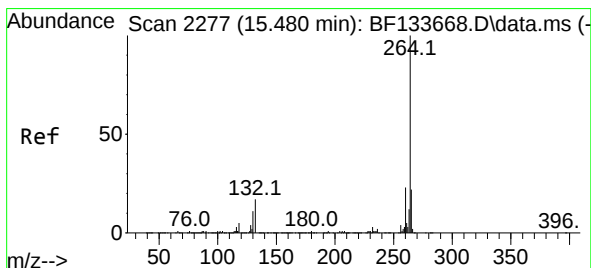
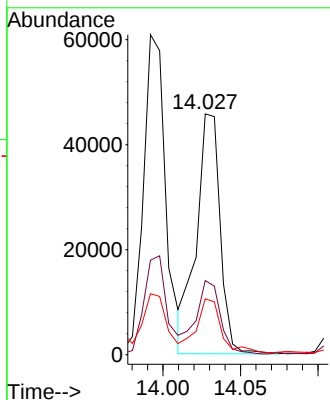
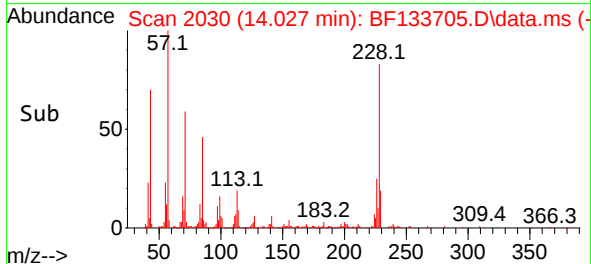
Instrument :
BNA_F
ClientSampleId :
SB32A



Tgt Ion:228 Resp: 49180
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 23.2 15.8 23.8

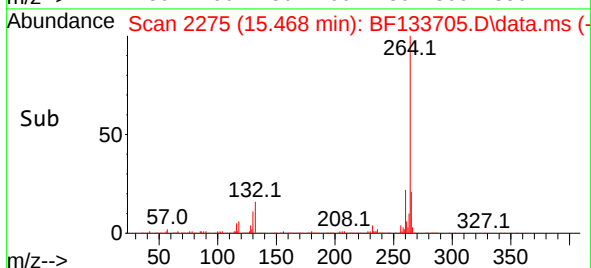
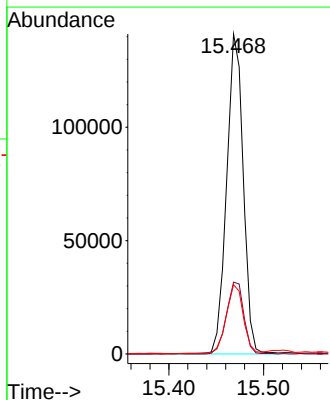
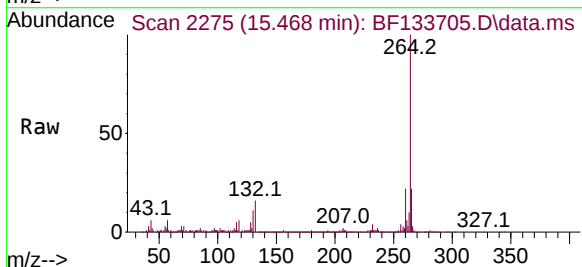
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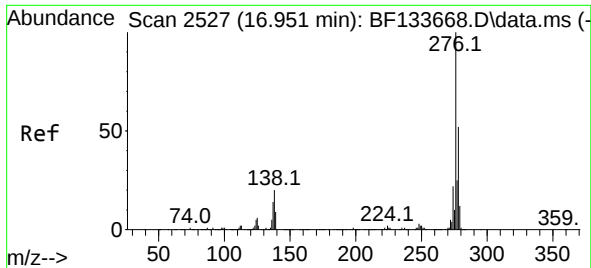
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

Tgt Ion:264 Resp: 172188
Ion Ratio Lower Upper
264 100
260 22.5 18.2 27.2
265 21.6 17.8 26.6





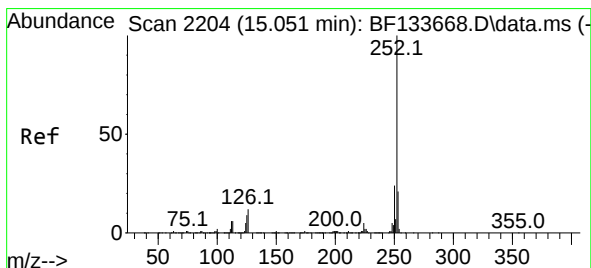
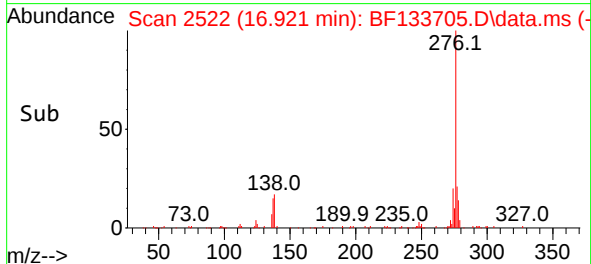
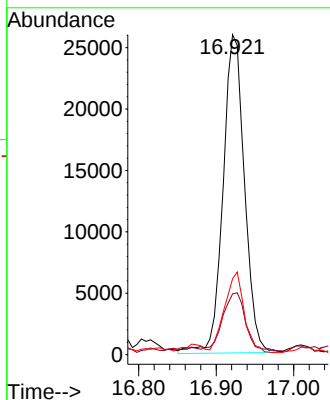
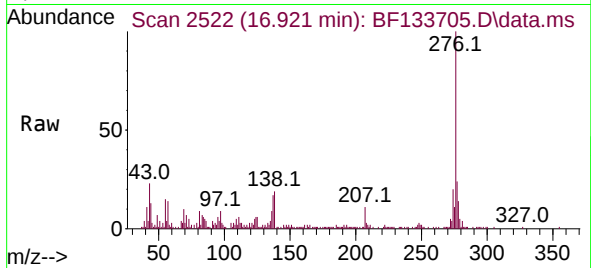
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.217 ng
RT: 16.921 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

Instrument :
BNA_F
ClientSampleId :
SB32A

Tgt Ion:276 Resp: 49958
Ion Ratio Lower Upper
276 100
138 19.2 17.9 26.9
277 23.4 20.3 30.5

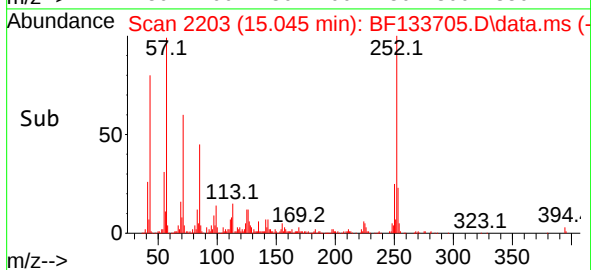
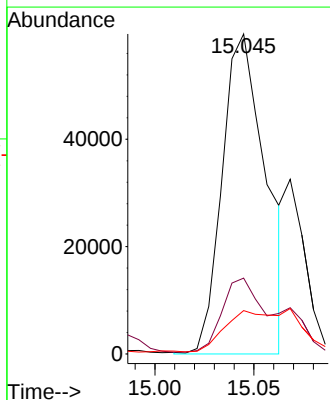
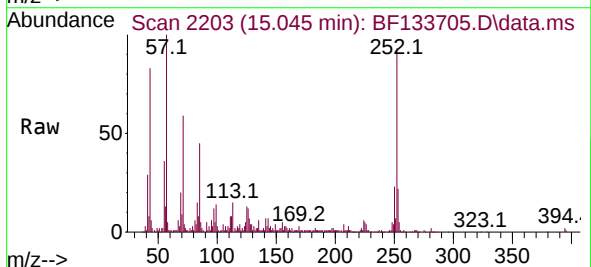
Manual Integrations
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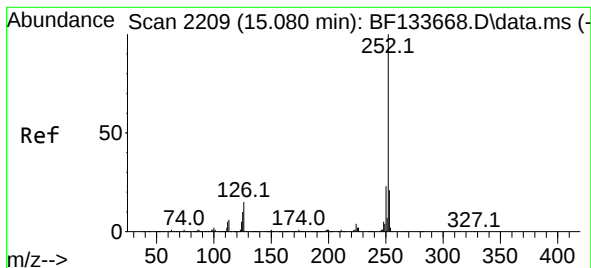
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 8.719 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF133705.D
Acq: 12 Jun 2023 15:48

Tgt Ion:252 Resp: 91202
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 13.5 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 2.268 ng m

RT: 15.068 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF133705.D

Acq: 12 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB32A

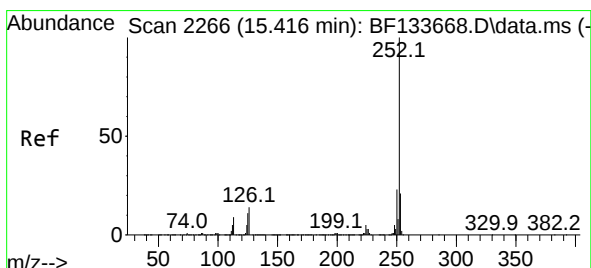
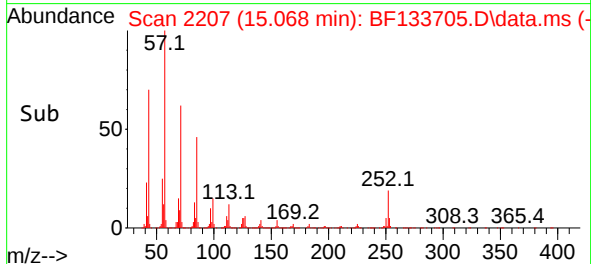
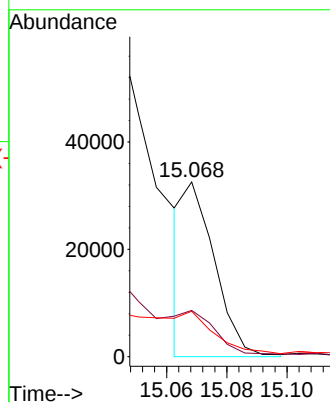
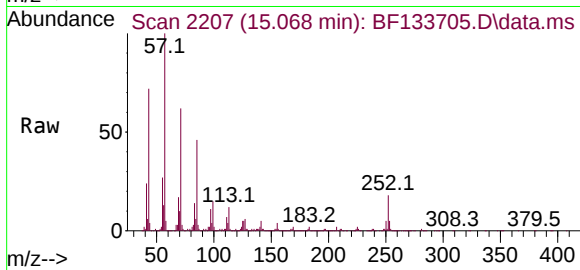
Tgt Ion:	252	Resp:	2311
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.0	25.4
125	26.1	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#90

Benzo(a)pyrene

Concen: 6.832 ng

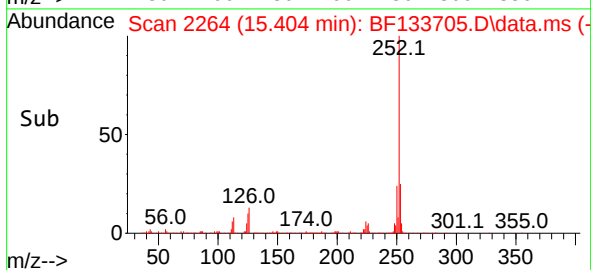
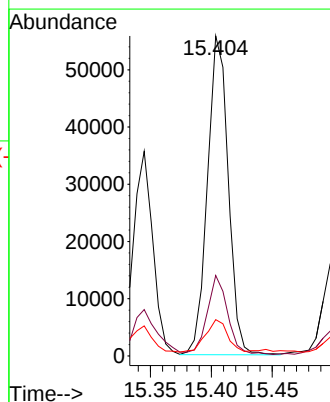
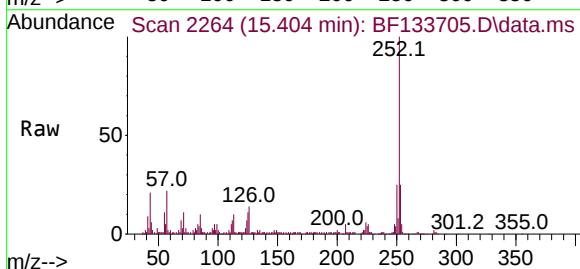
RT: 15.404 min Scan# 2264

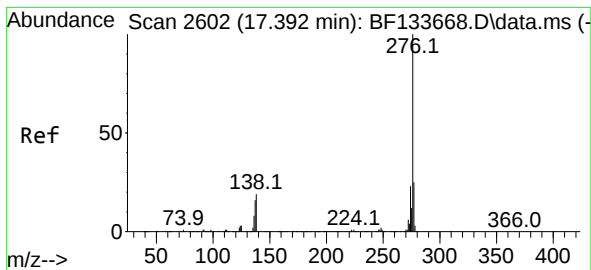
Delta R.T. -0.012 min

Lab File: BF133705.D

Acq: 12 Jun 2023 15:48

Tgt Ion:	252	Resp:	66323
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.1	25.7
125	11.4	8.6	13.0





#92

Benzo(g,h,i)perylene

Concen: 4.539 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133705.D

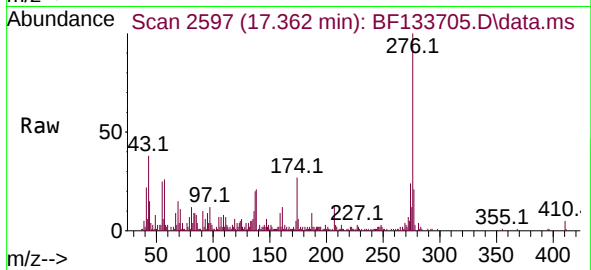
Acq: 12 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB32A



Tgt Ion:276 Resp: 4413

Ion Ratio Lower Upper

276 100

277 21.4 19.8 29.8

138 21.1 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023

