

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133729.D
 Acq On : 13 Jun 2023 14:13
 Operator : CG\JU
 Sample : 03093-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-06072023

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 14:34:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	76160	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	234123	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	100744	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	217914	20.000	ng	0.00
76) Chrysene-d12	14.010	240	197443	20.000	ng	0.00
86) Perylene-d12	15.474	264	139333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	346302	79.159	ng	0.00
7) Phenol-d6	6.463	99	378759	66.514	ng	0.00
23) Nitrobenzene-d5	7.393	82	251579	58.528	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	99723	78.199	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	403512	56.936	ng	0.00
79) Terphenyl-d14	12.951	244	577707	45.274	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	61071	5.524	ng	99
75) Fluoranthene	12.580	202	247617	21.091	ng	99
78) Pyrene	12.810	202	202942	11.034	ng	99
81) Benzo(a)anthracene	13.998	228	72402	5.301	ng	93
83) Chrysene	14.033	228	117276	9.079	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	47702	4.976	ng	94
88) Benzo(b)fluoranthene	15.045	252	140192m	16.564	ng	
89) Benzo(k)fluoranthene	15.074	252	32351m	3.924	ng	
90) Benzo(a)pyrene	15.410	252	58249	7.415	ng	# 96
92) Benzo(g,h,i)perylene	17.380	276	44767	5.690	ng	98

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

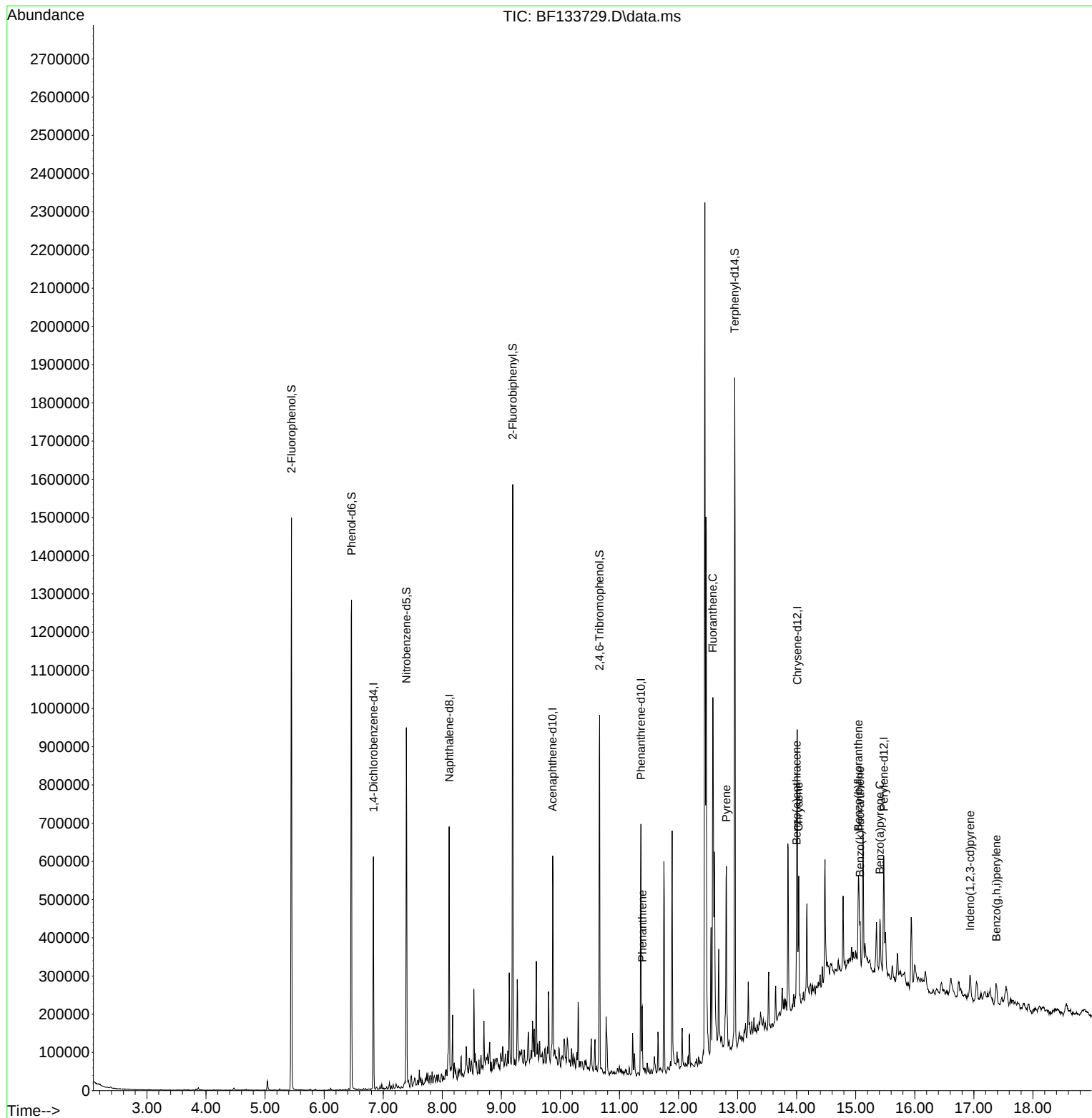
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
Data File : BF133729.D
Acq On : 13 Jun 2023 14:13
Operator : CG\JU
Sample : 03093-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

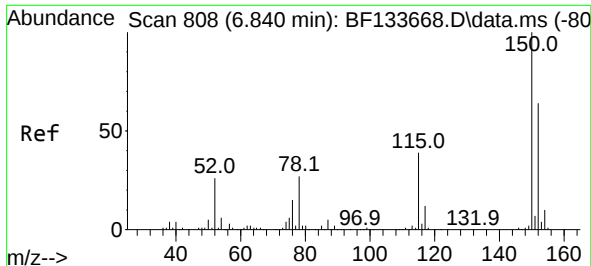
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

Quant Time: Jun 13 14:34:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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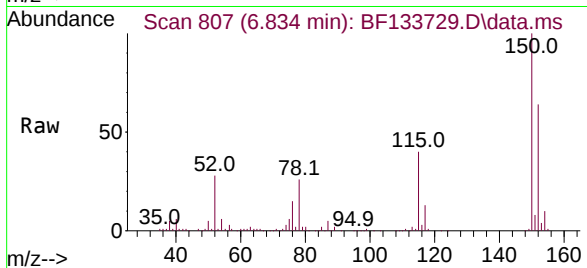
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

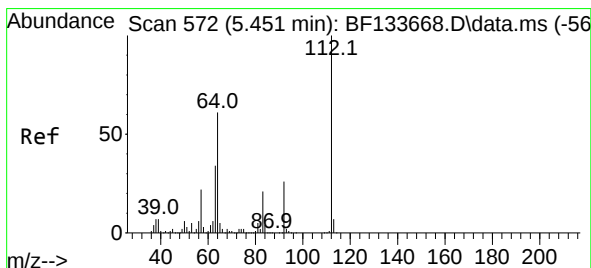
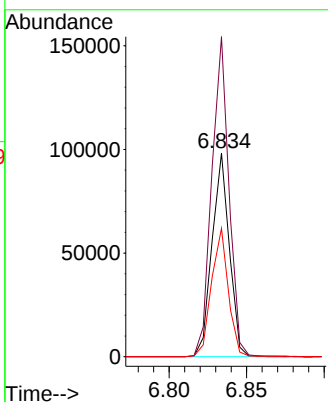
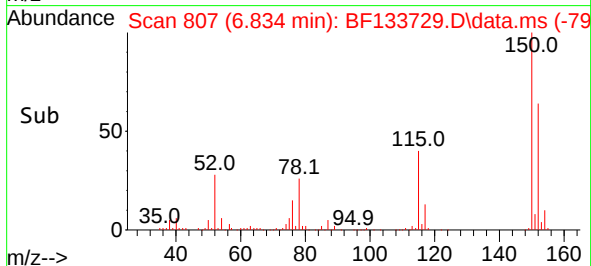
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023



Tgt Ion:152 Resp: 76160
Ion Ratio Lower Upper
152 100
150 157.1 124.3 186.5
115 63.0 48.5 72.7

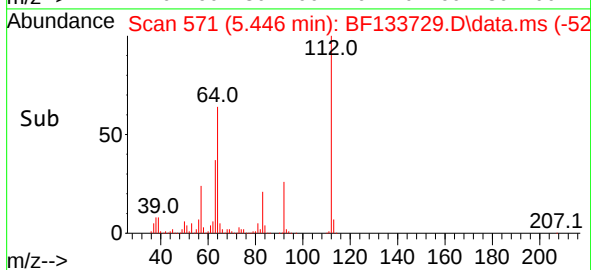
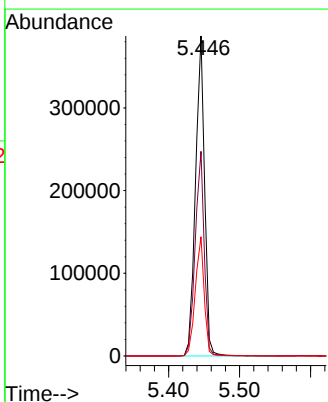
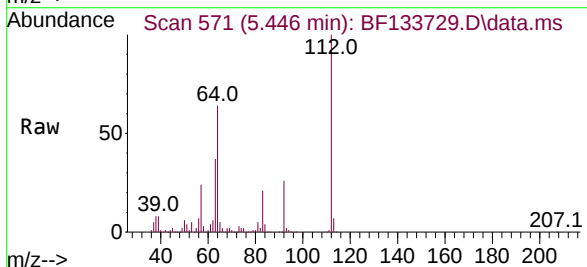
Manual Integrations
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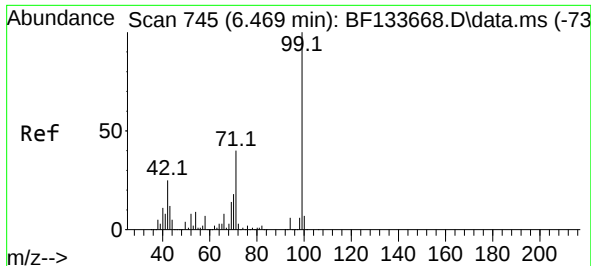
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#5
2-Fluorophenol
Concen: 79.159 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

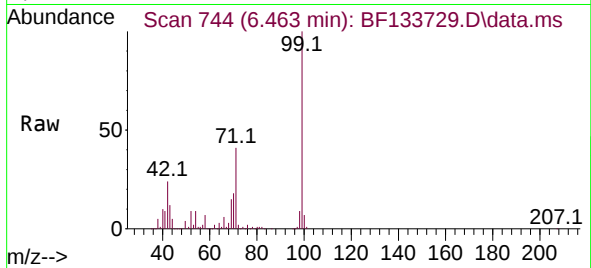
Tgt Ion:112 Resp: 346302
Ion Ratio Lower Upper
112 100
64 63.9 49.0 73.4
63 37.3 26.8 40.2





#7
Phenol-d6
Concen: 66.514 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

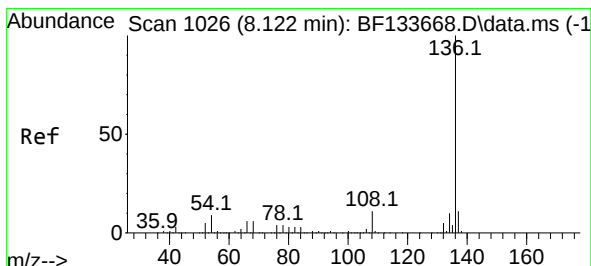
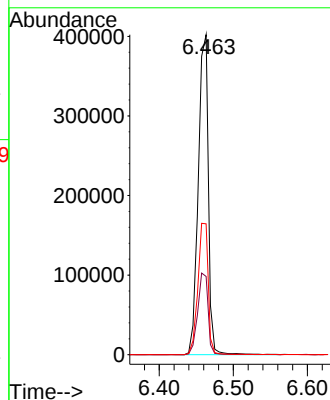
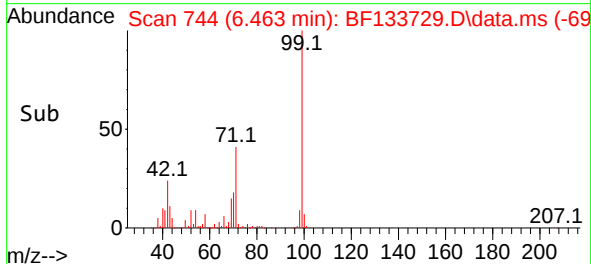
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023



Tgt Ion: 99 Resp: 37875
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 40.9 32.2 48.4

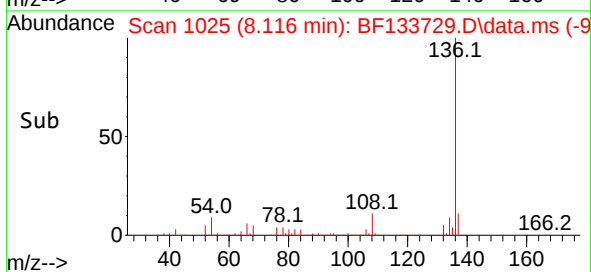
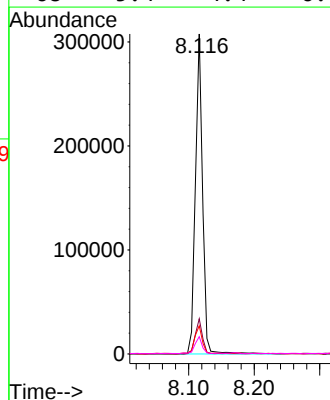
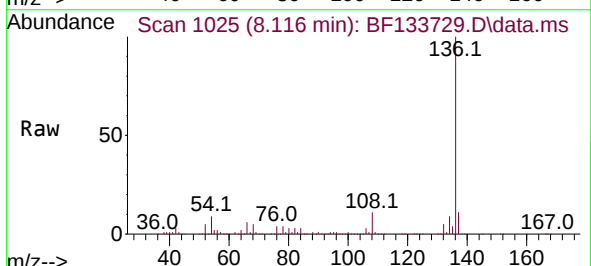
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:136 Resp: 234123
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.8 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 58.528 ng

RT: 7.393 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

Tgt Ion: 82 Resp: 251579

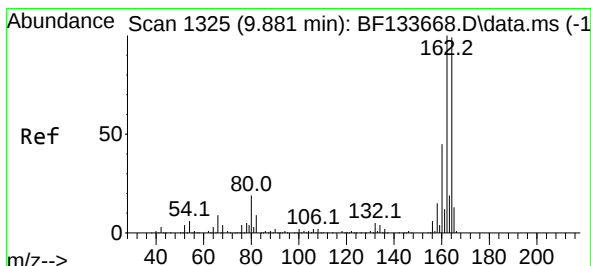
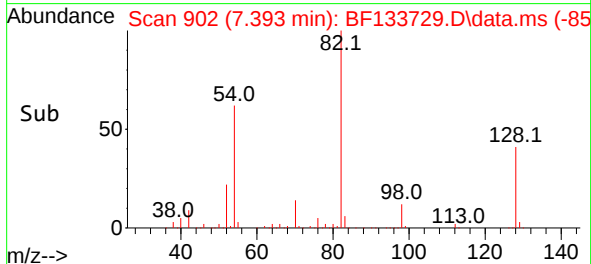
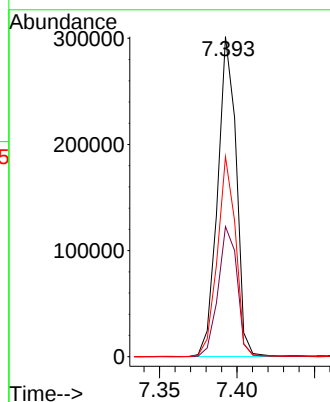
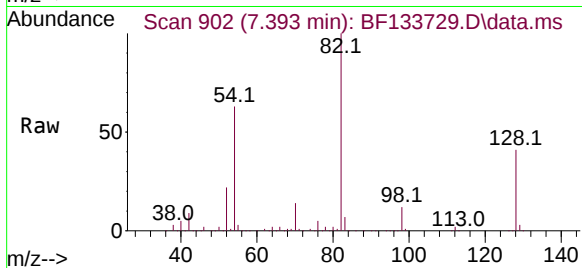
Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.2	51.2
54	62.5	46.5	69.7

Manual Integrations

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Supervised By :mohammad ahmed 06/16/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

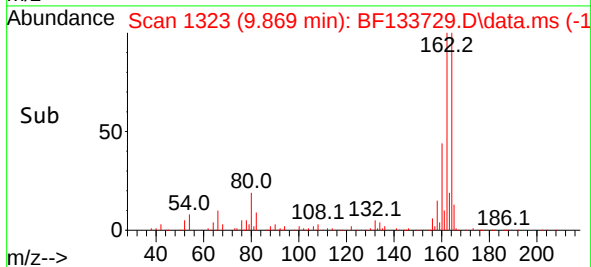
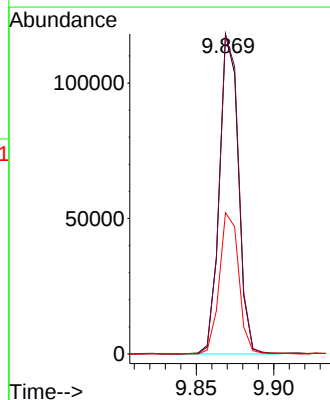
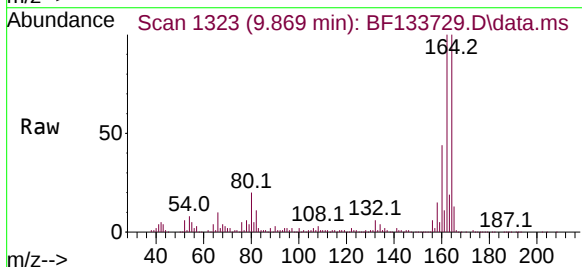
Delta R.T. -0.012 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Tgt Ion:164 Resp: 100744

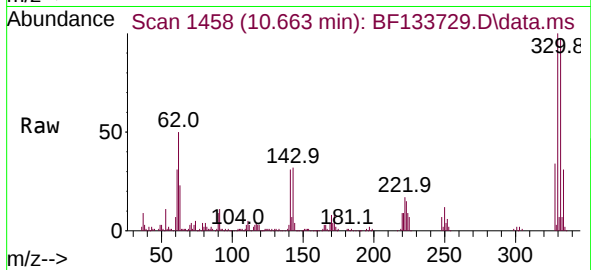
Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.8	121.2
160	44.1	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 78.199 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

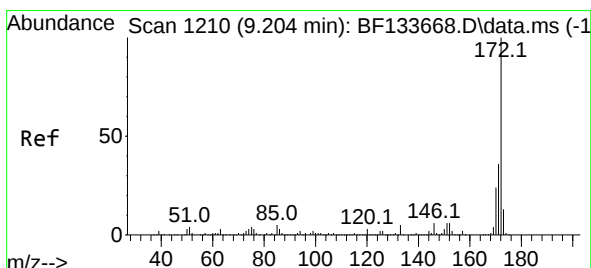
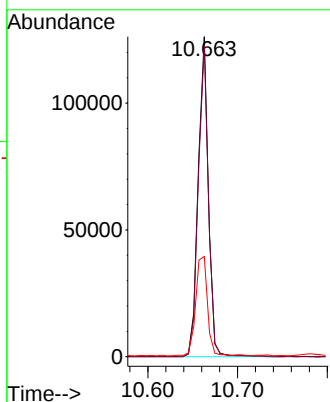
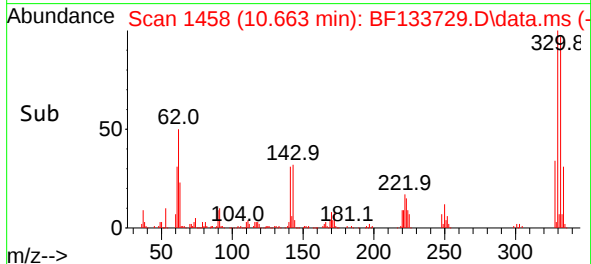
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023



Tgt Ion: 330 Resp: 99720
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 35.9 24.9 37.3

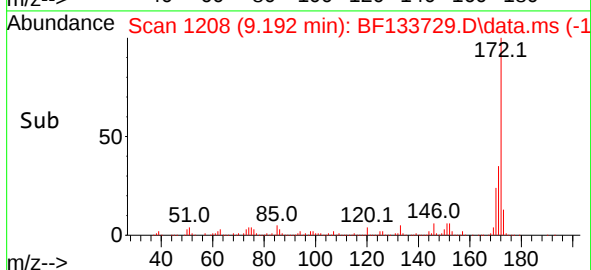
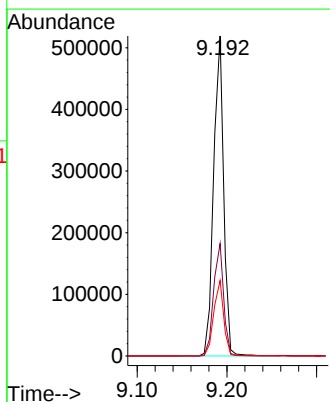
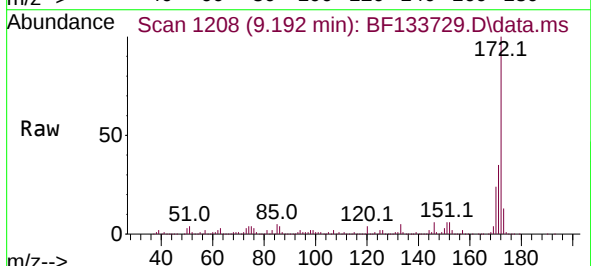
Manual Integrations
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Supervised By : mohammad ahmed 06/16/2023



#45
2-Fluorobiphenyl
Concen: 56.936 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

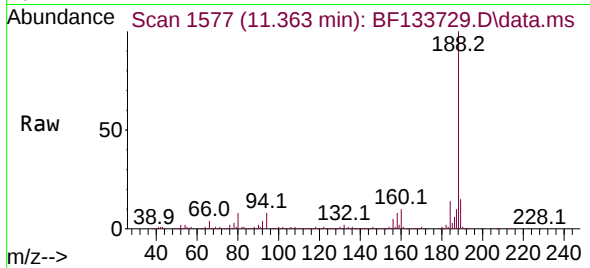
Tgt Ion: 172 Resp: 403512
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

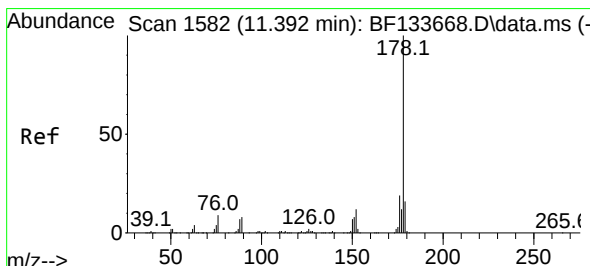
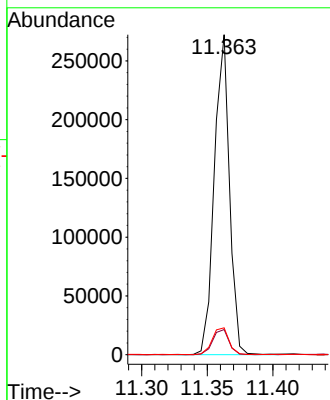
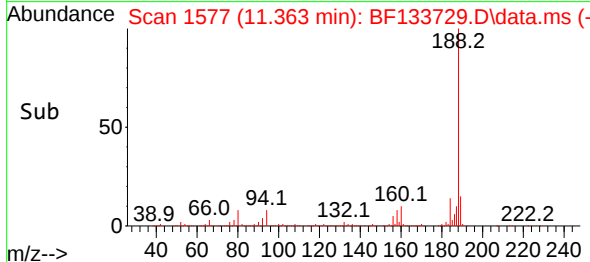
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023



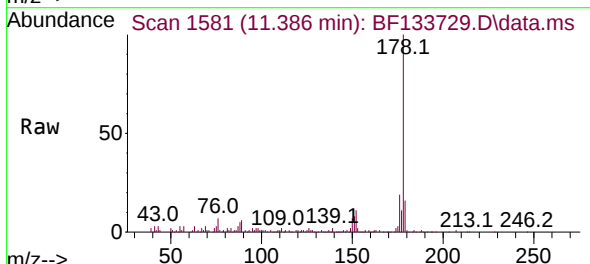
Tgt Ion:188 Resp: 217914
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.4 7.8 11.6

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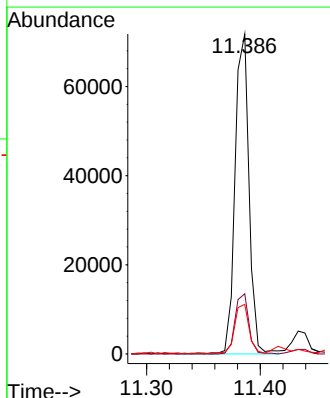
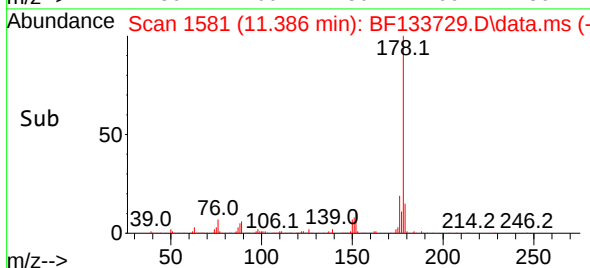
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023

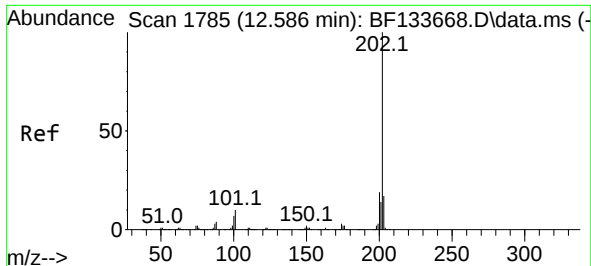


#71
Phenanthrene
Concen: 5.524 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13



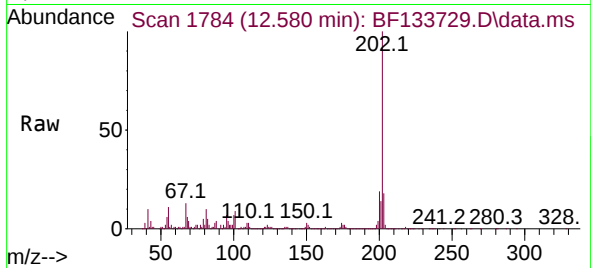
Tgt Ion:178 Resp: 61071
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 21.091 ng
RT: 12.580 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

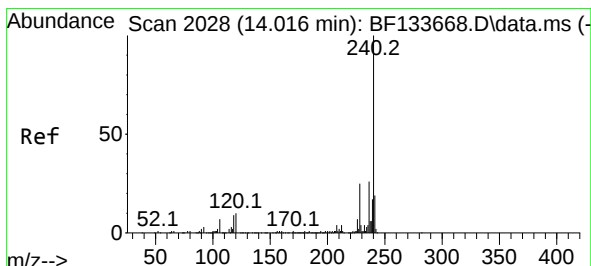
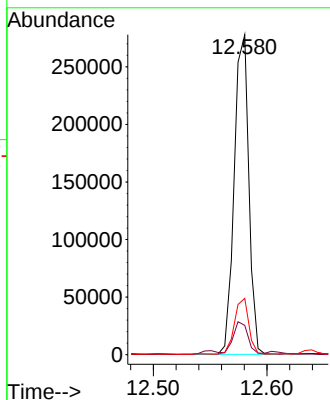
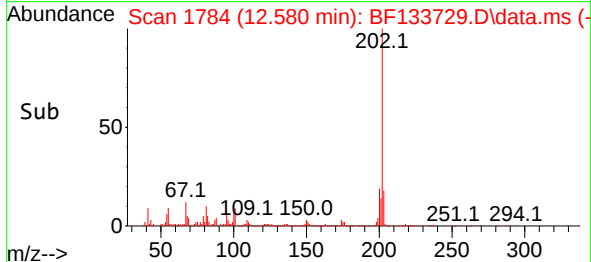
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023



Tgt Ion:202 Resp: 24761
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.6
203 17.6 0.0 37.4

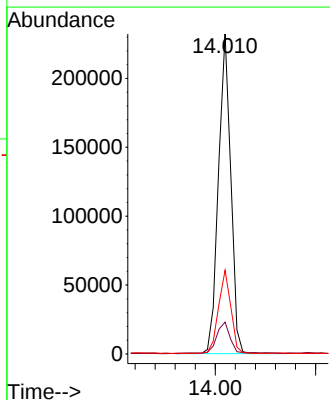
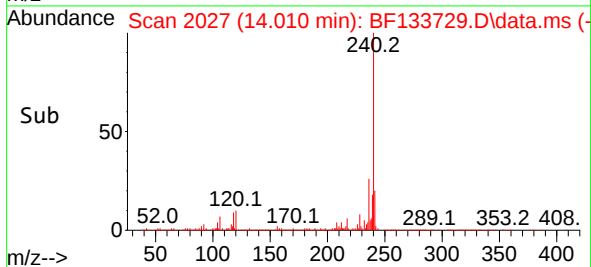
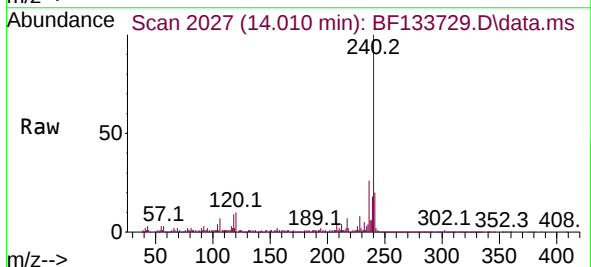
Manual Integrations
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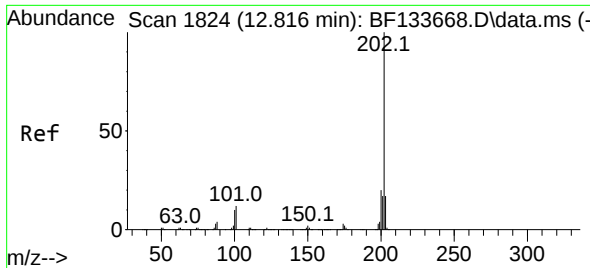
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:240 Resp: 197443
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.1 20.5 30.7





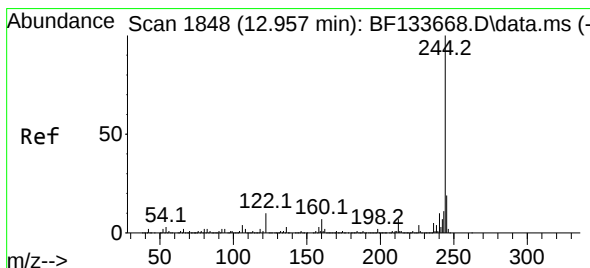
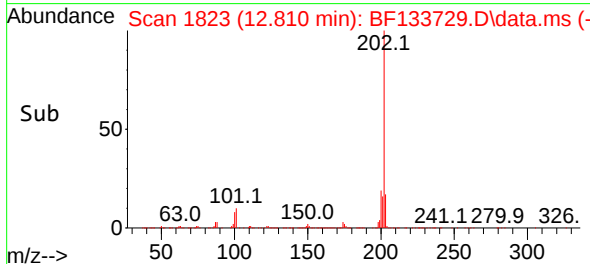
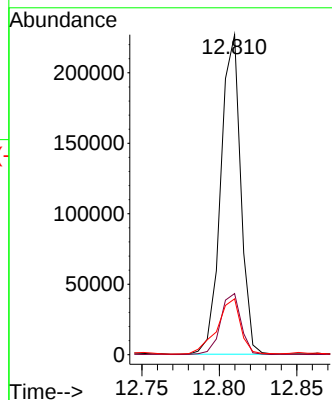
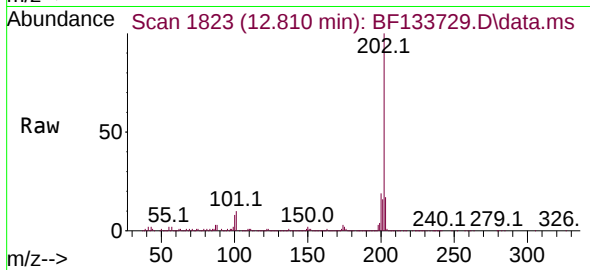
#78
Pyrene
Concen: 11.034 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

Tgt Ion:202 Resp: 20294
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 17.4 13.9 20.9

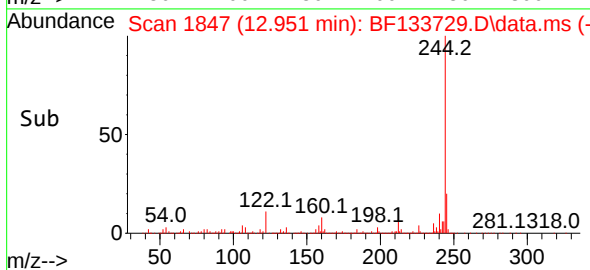
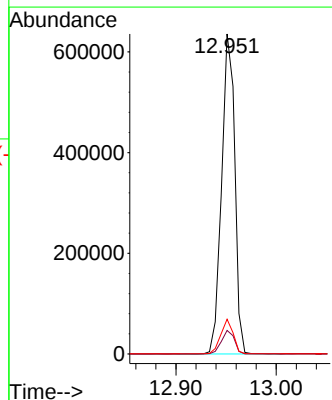
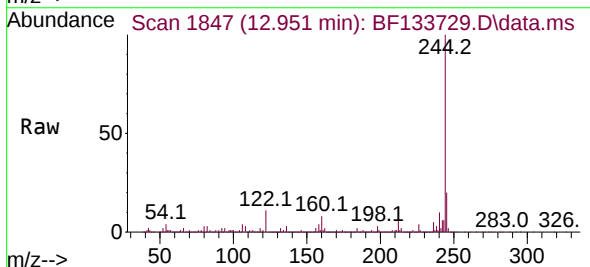
Manual Integrations
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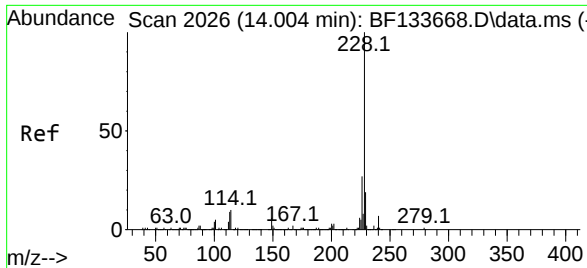
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#79
Terphenyl-d14
Concen: 45.274 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:244 Resp: 577707
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 10.9 8.1 12.1





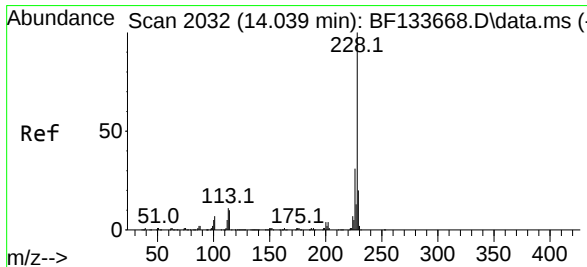
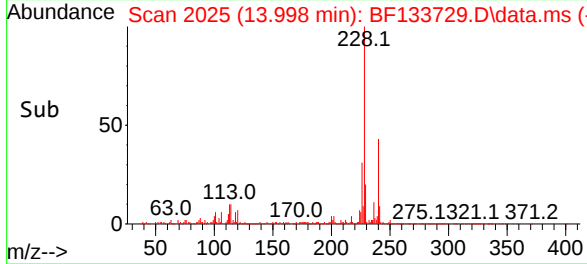
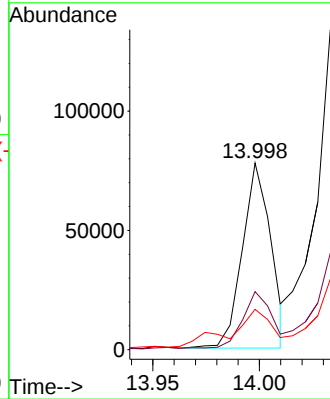
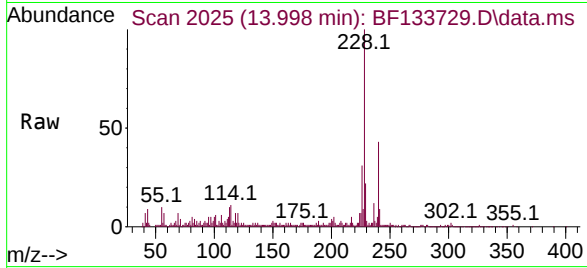
#81
Benzo(a)anthracene
Concen: 5.301 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

Tgt Ion:228 Resp: 72402
Ion Ratio Lower Upper
228 100
226 31.1 21.7 32.5
229 21.6 15.4 23.2

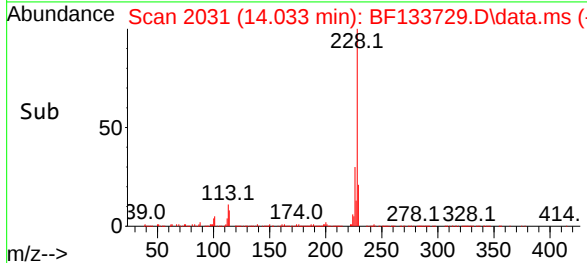
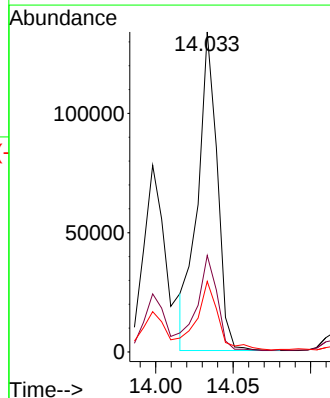
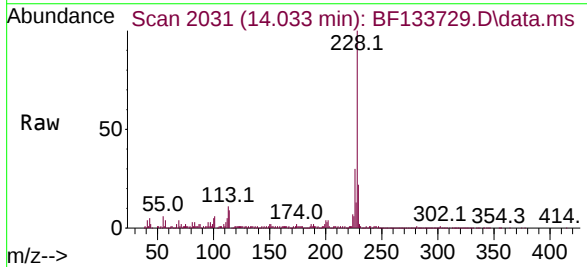
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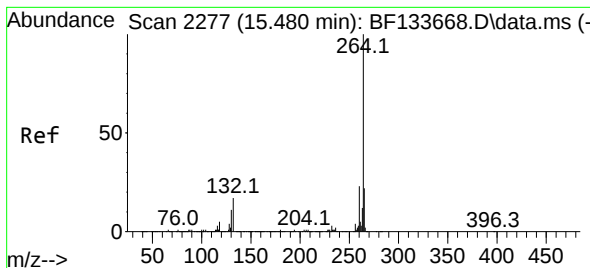
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#83
Chrysene
Concen: 9.079 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:228 Resp: 117276
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

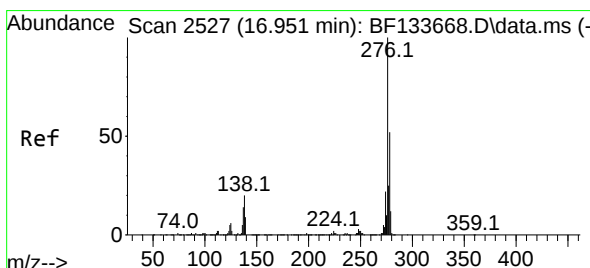
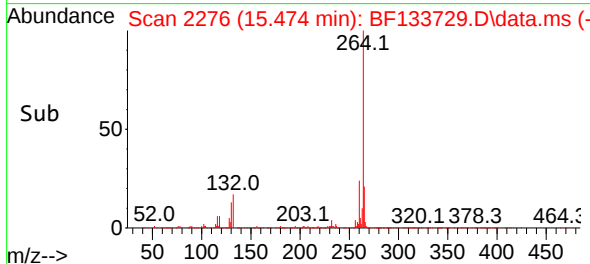
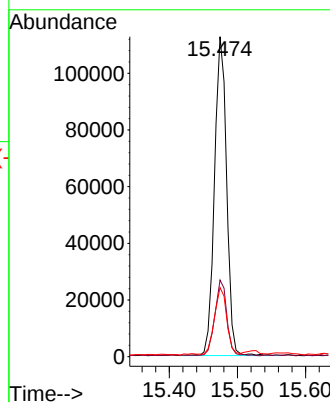
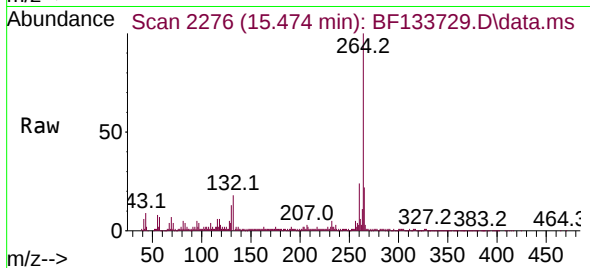
Tgt Ion:264 Resp: 13933
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 21.6 17.8 26.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.976 ng

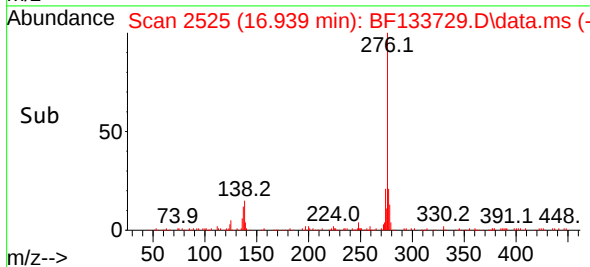
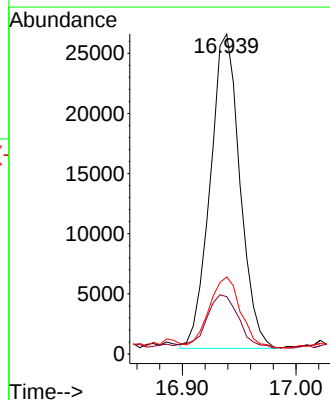
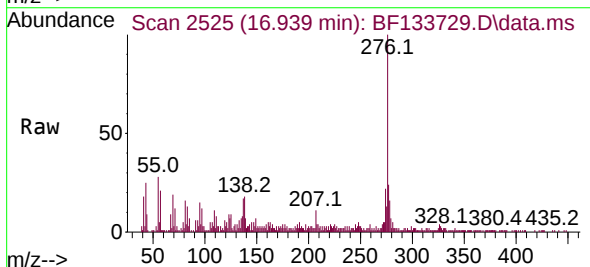
RT: 16.939 min Scan# 2525

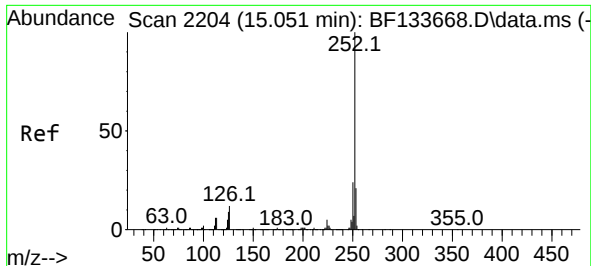
Delta R.T. -0.017 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

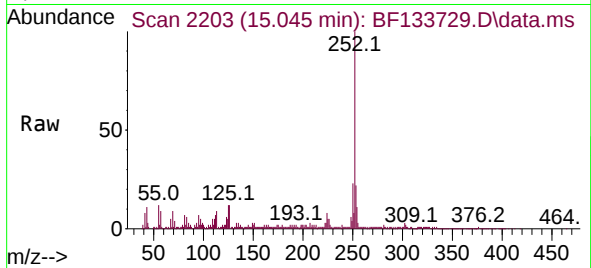
Tgt Ion:276 Resp: 47702
 Ion Ratio Lower Upper
 276 100
 138 18.5 17.9 26.9
 277 23.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 16.564 ng m
RT: 15.045 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

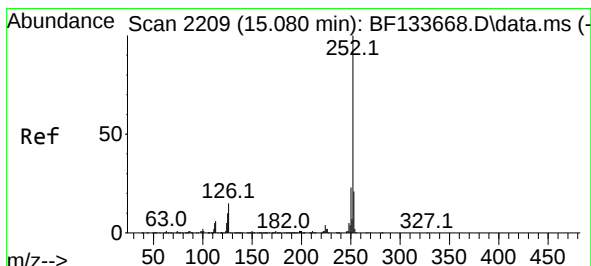
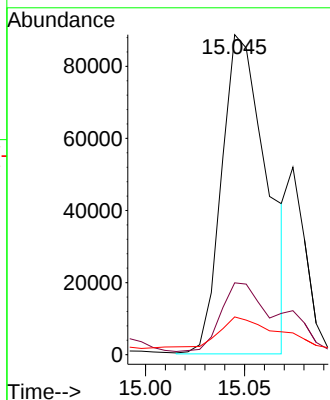
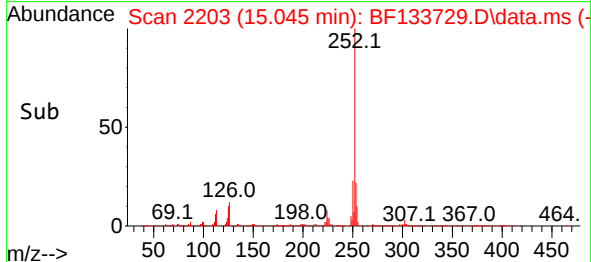
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023



Tgt Ion:252 Resp: 140192
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 11.8 7.3 10.9

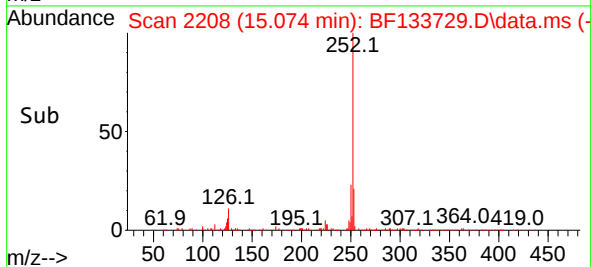
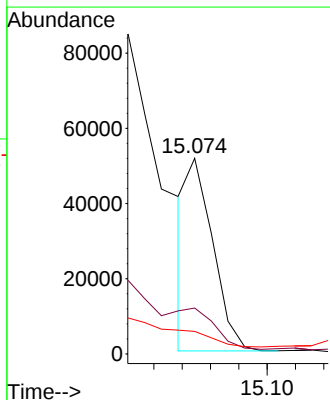
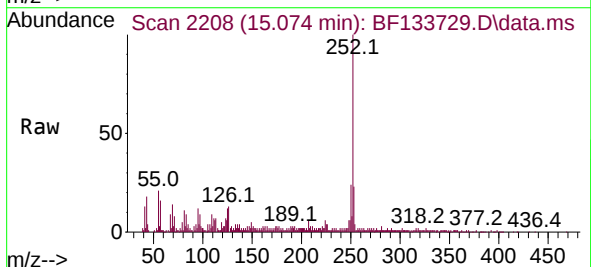
Manual Integrations
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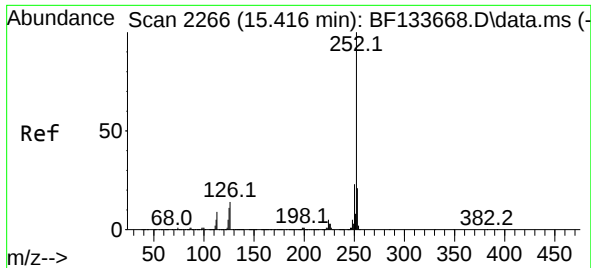
Reviewed By :Yogesh Patel 06/14/2023
Supervised By :mohammad ahmed 06/16/2023



#89
Benzo(k)fluoranthene
Concen: 3.924 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:252 Resp: 32351
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 11.6 7.8 11.6





#90
Benzo(a)pyrene
Concen: 7.415 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

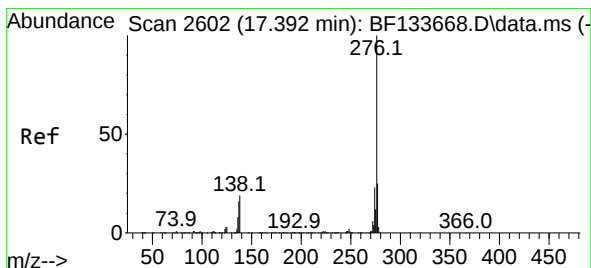
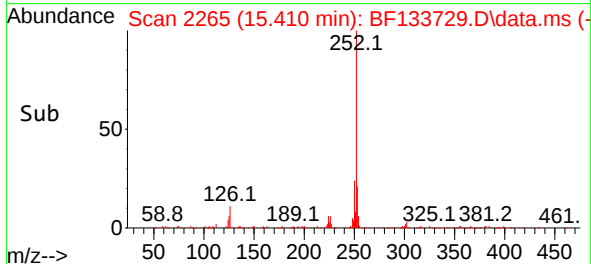
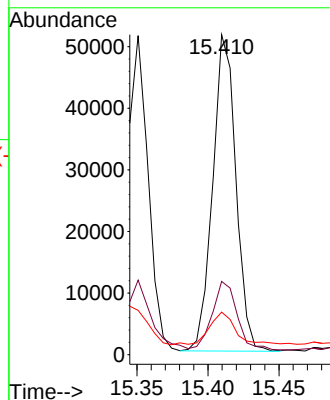
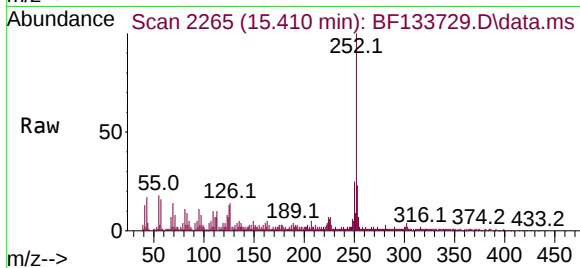
SU-3-06072023

Tgt Ion:252 Resp: 58249
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 13.3 8.6 13.0

Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 5.690 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.023 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:276 Resp: 44767
Ion Ratio Lower Upper
276 100
277 25.9 19.8 29.8
138 19.0 15.0 22.4

