

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133424.D
 Acq On : 17 May 2023 20:53
 Operator : CG\JU
 Sample : 02807-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 360

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Quant Time: May 18 04:05:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	239078	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	778344	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	395598	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	759850	20.000	ng	-0.01
76) Chrysene-d12	13.868	240	369912	20.000	ng	-0.02
86) Perylene-d12	15.292	264	429004	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1187484	75.031	ng	0.00
7) Phenol-d6	6.357	99	1465621	74.609	ng	-0.01
23) Nitrobenzene-d5	7.281	82	677468	46.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	350930	88.207	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1276000	53.963	ng	-0.01
79) Terphenyl-d14	12.821	244	959606	44.740	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.257	178	265228	6.494	ng	98
72) Anthracene	11.304	178	102185	2.445	ng	98
75) Fluoranthene	12.445	202	609826	14.878	ng	96
78) Pyrene	12.674	202	421285	13.286	ng	99
81) Benzo(a)anthracene	13.863	228	193107	7.591	ng	99
83) Chrysene	13.898	228	236743	9.309	ng	98
84) Bis(2-ethylhexyl)phtha...	13.857	149	33346	2.366	ng	95
87) Indeno(1,2,3-cd)pyrene	16.668	276	53797	2.205	ng	93
88) Benzo(b)fluoranthene	14.886	252	236645m	8.671	ng	
89) Benzo(k)fluoranthene	14.910	252	82570m	3.052	ng	
90) Benzo(a)pyrene	15.233	252	129339	5.206	ng	100
92) Benzo(g,h,i)perylene	17.080	276	48700	2.424	ng	95

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

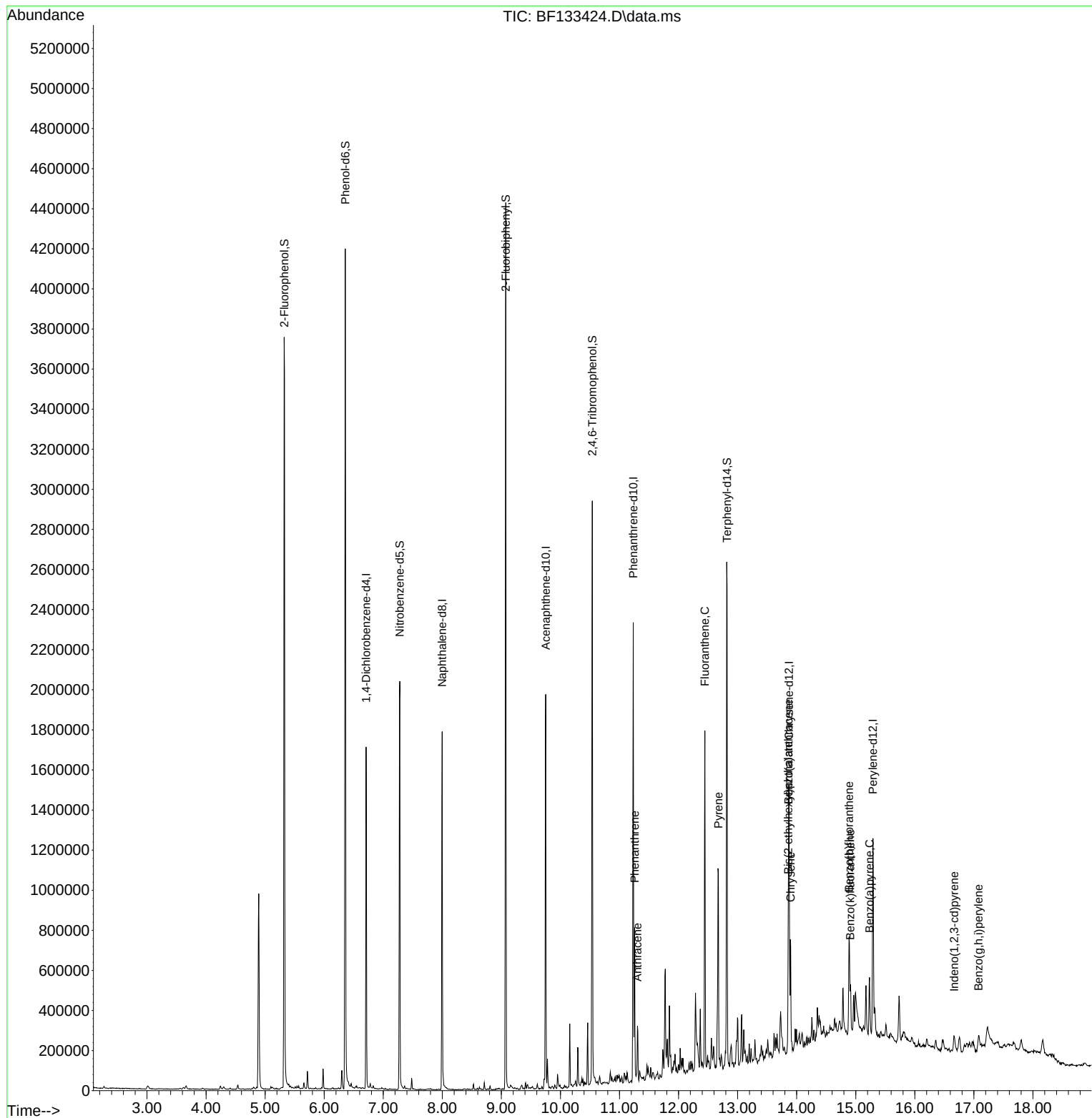
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133424.D
Acq On : 17 May 2023 20:53
Operator : CG\JU
Sample : 02807-01
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ALS Vial : 17 Sample Multiplier: 1

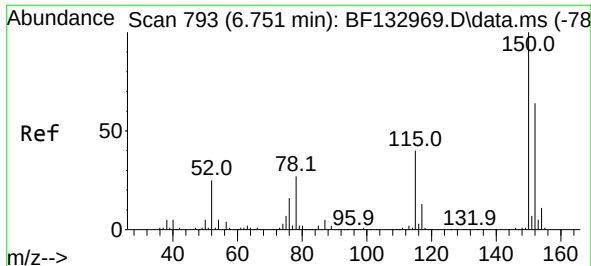
Instrument :
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360

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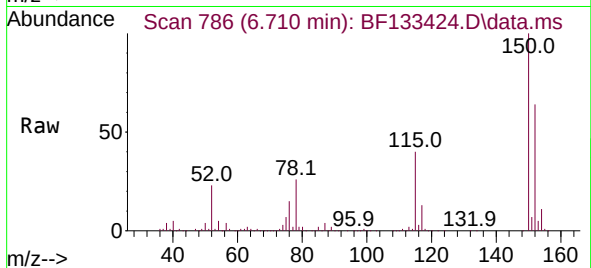
Quant Time: May 18 04:05:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

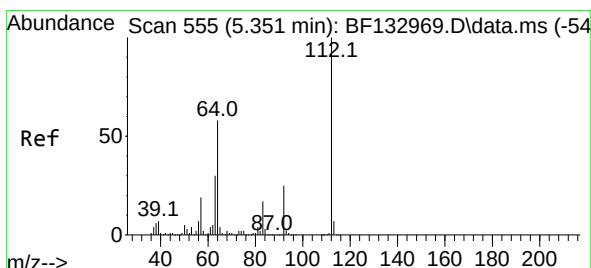
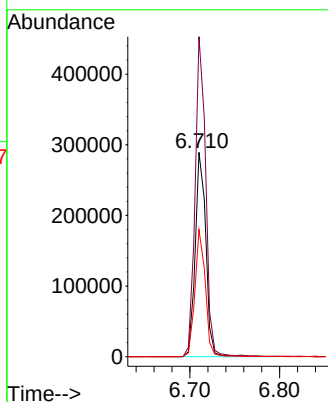
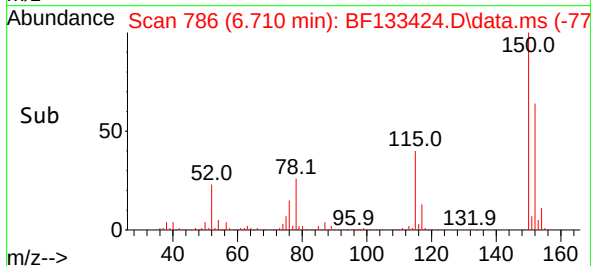
Instrument :
BNA_F
ClientSampleId :
360



Tgt Ion:152 Resp: 239078
Ion Ratio Lower Upper
152 100
150 156.6 124.8 187.2
115 62.2 49.9 74.9

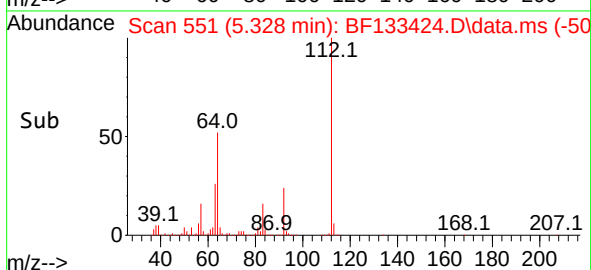
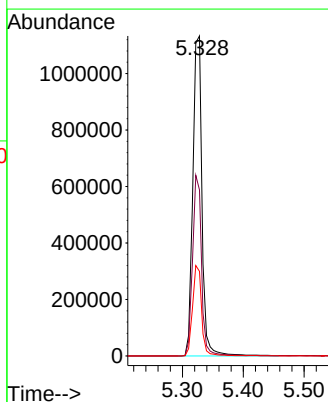
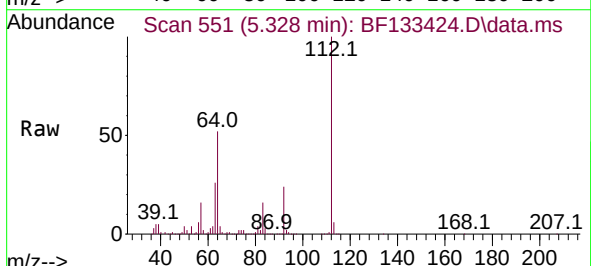
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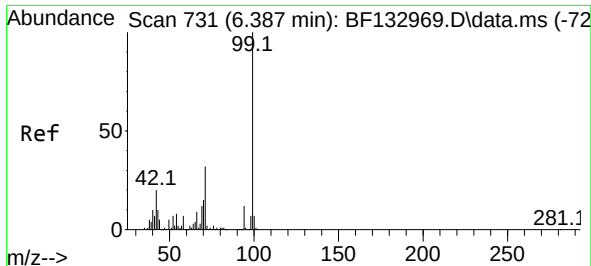
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
2-Fluorophenol
Concen: 75.031 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

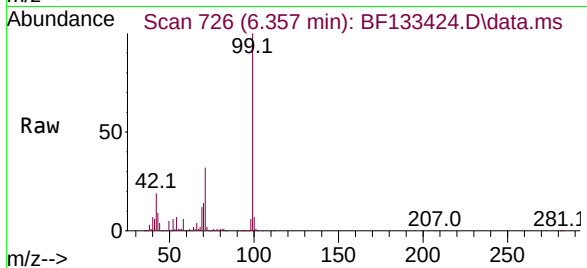
Tgt Ion:112 Resp: 1187484
Ion Ratio Lower Upper
112 100
64 51.9 46.8 70.2
63 26.4 23.8 35.8





#7
Phenol-d6
Concen: 74.609 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

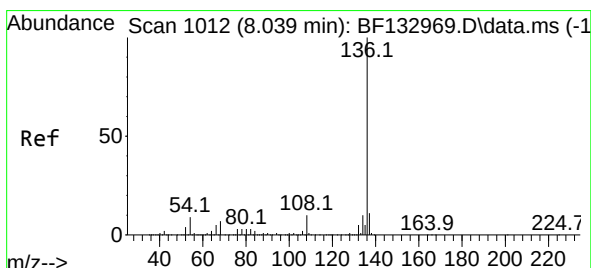
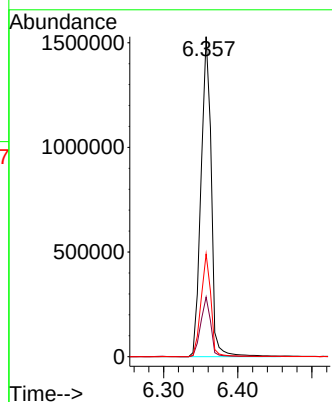
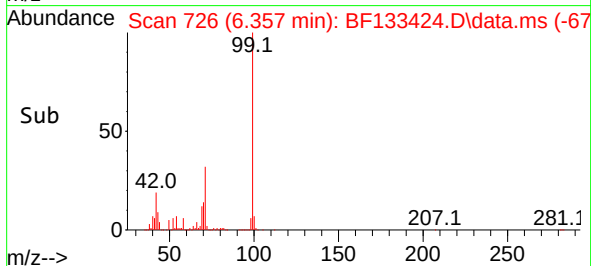
Instrument :
BNA_F
ClientSampleId :
360



Tgt Ion: 99 Resp: 146562
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 32.1 25.6 38.4

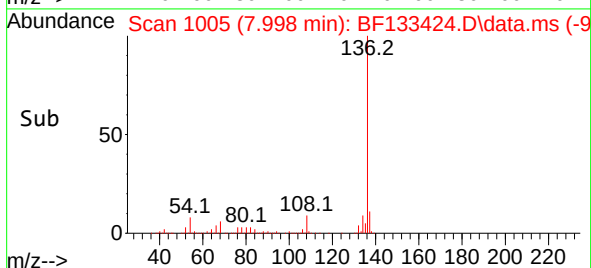
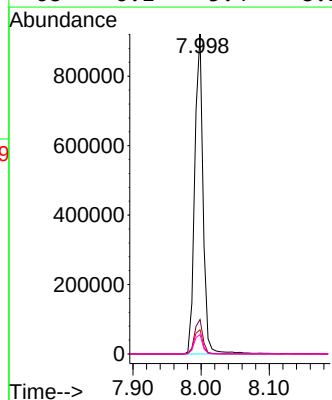
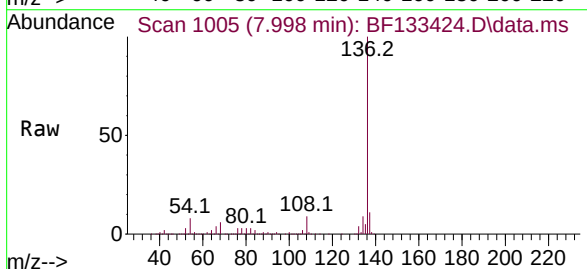
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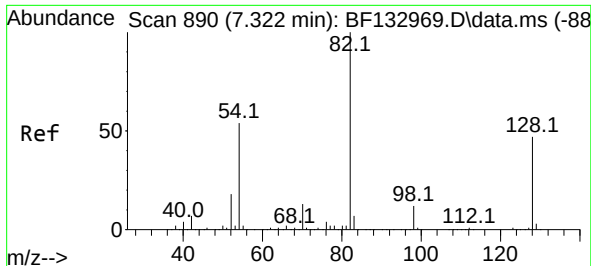
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

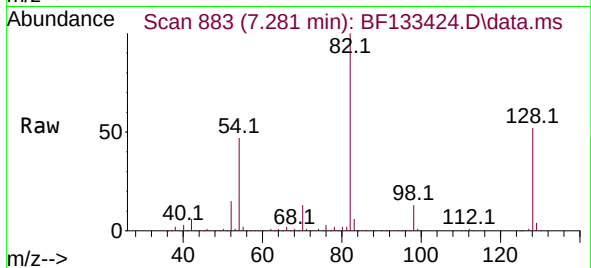
Tgt Ion:136 Resp: 778344
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.6 7.0 10.4
68 6.1 5.4 8.2





#23
Nitrobenzene-d5
Concen: 46.981 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

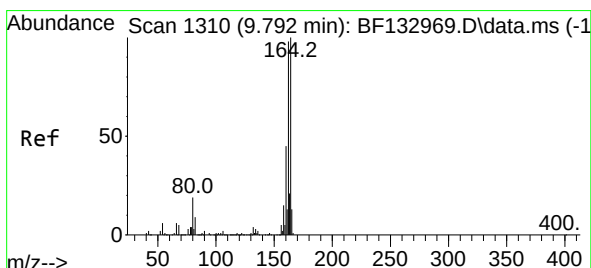
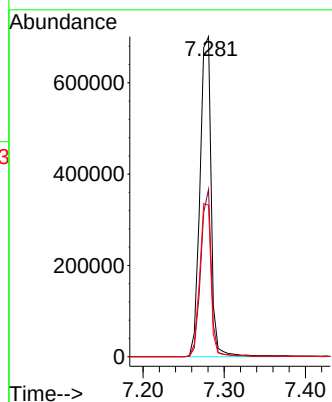
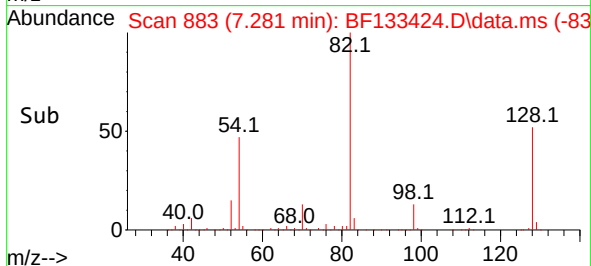
Instrument :
BNA_F
ClientSampleId :
360



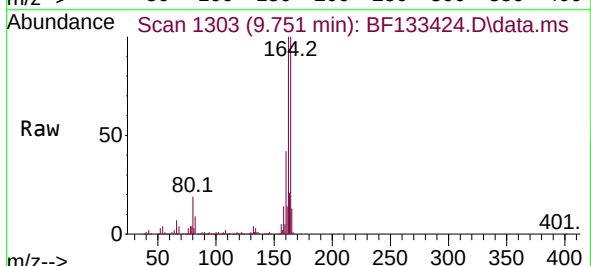
Tgt Ion: 82 Resp: 677468
Ion Ratio Lower Upper
82 100
128 52.3 37.7 56.5
54 47.4 43.0 64.4

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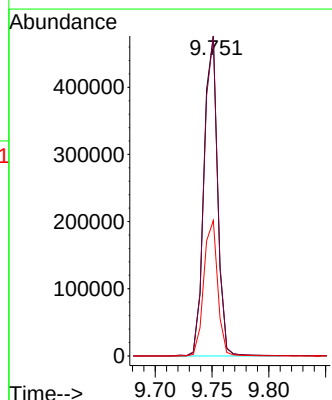
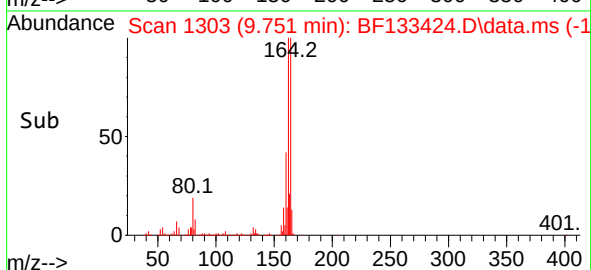
Reviewed By :Christian Giraldo 05/18/2023
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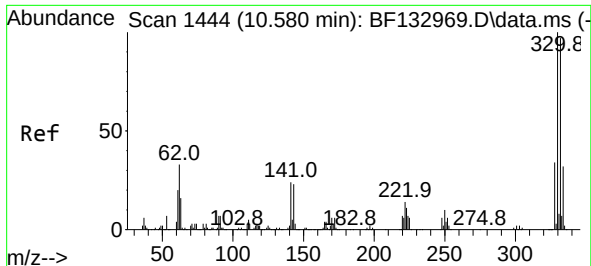


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53



Tgt Ion:164 Resp: 395598
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 42.4 35.8 53.6





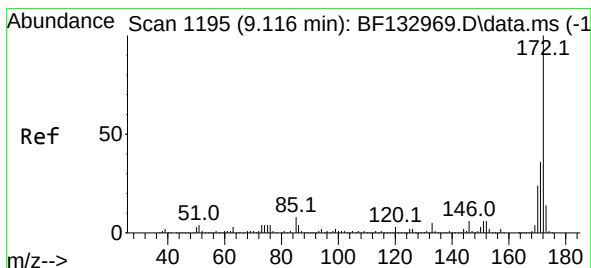
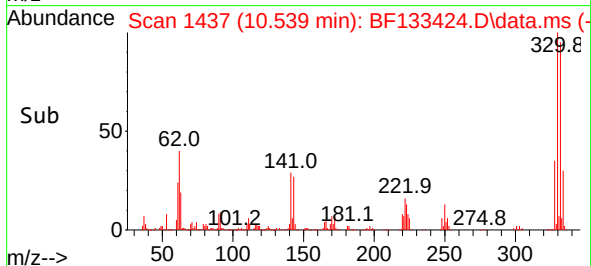
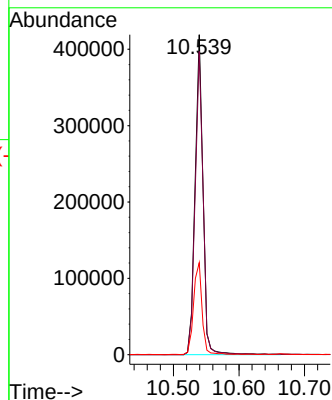
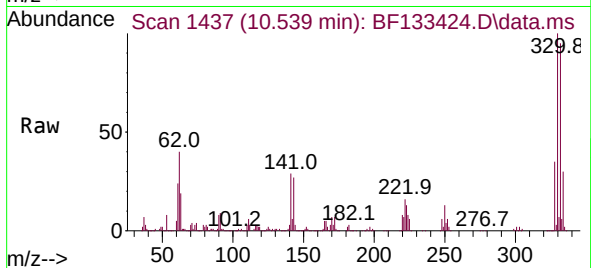
#42
2,4,6-Tribromophenol
Concen: 88.207 ng
RT: 10.539 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Instrument :
BNA_F
ClientSampleId :
360

Tgt Ion: 330 Resp: 350930
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 31.4 25.8 38.8

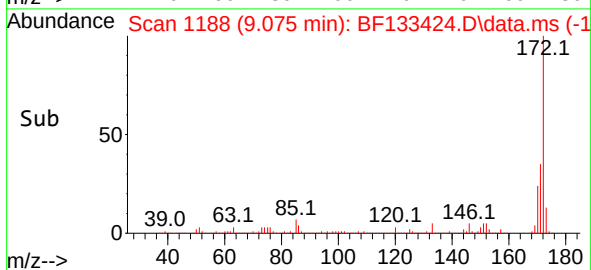
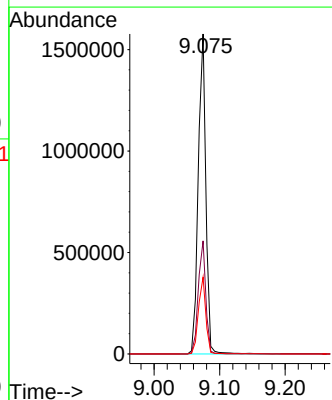
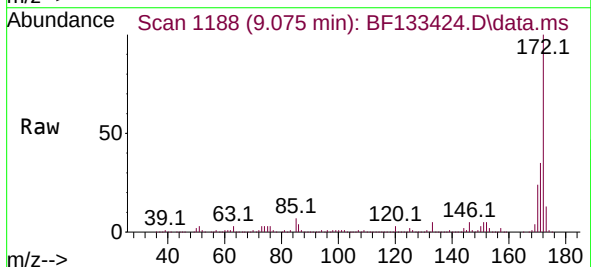
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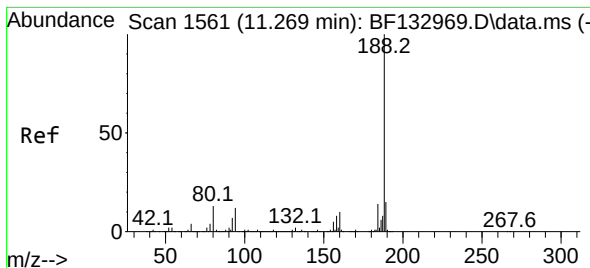
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023



#45
2-Fluorobiphenyl
Concen: 53.963 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

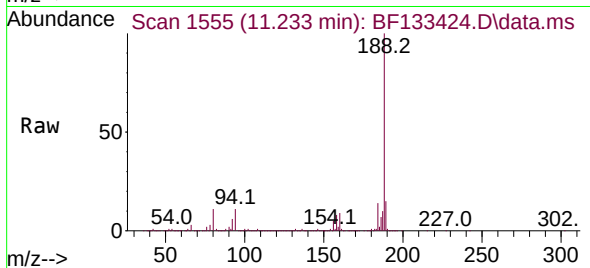
Tgt Ion: 172 Resp: 1276000
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

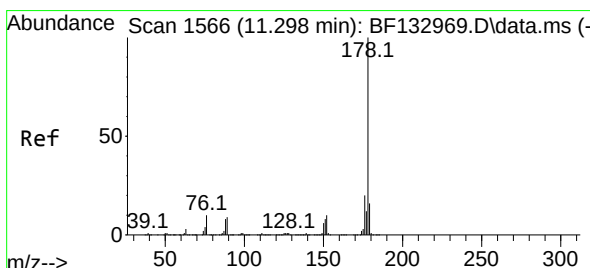
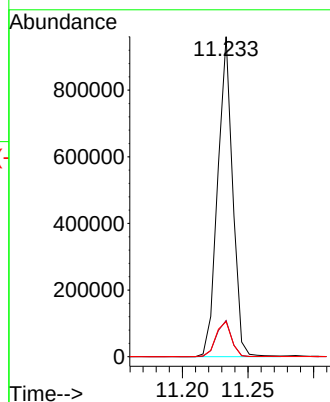
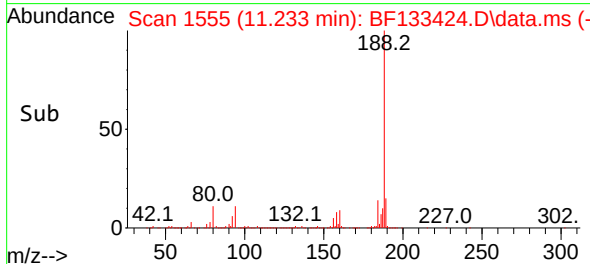
Instrument :
BNA_F
ClientSampleId :
360



Tgt Ion:188 Resp: 759850
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 10.9 10.4 15.6

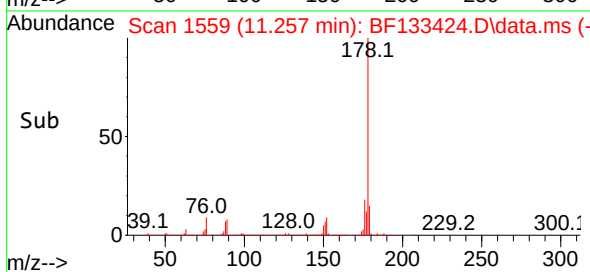
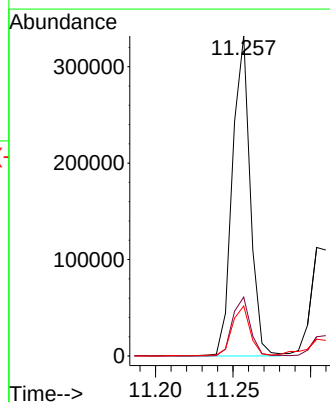
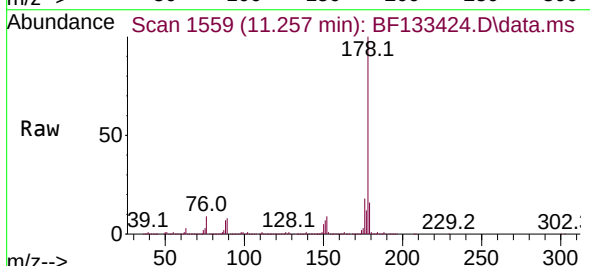
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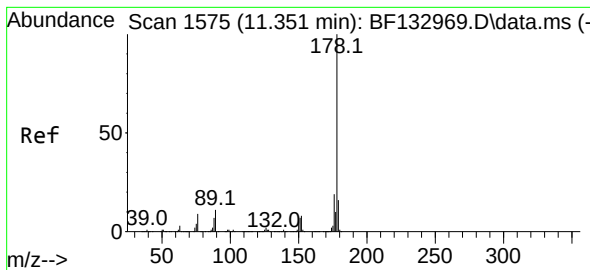
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#71
Phenanthrene
Concen: 6.494 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

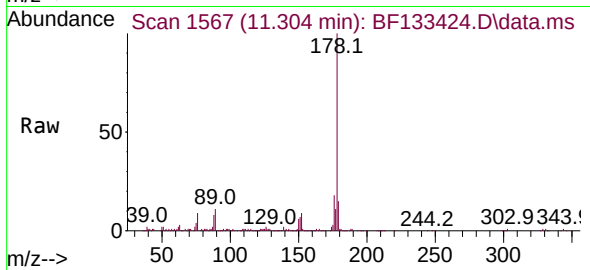
Tgt Ion:178 Resp: 265228
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 15.6 12.5 18.7





#72
 Anthracene
 Concen: 2.445 ng
 RT: 11.304 min Scan# 11304
 Delta R.T. -0.018 min
 Lab File: BF133424.D
 Acq: 17 May 2023 20:53

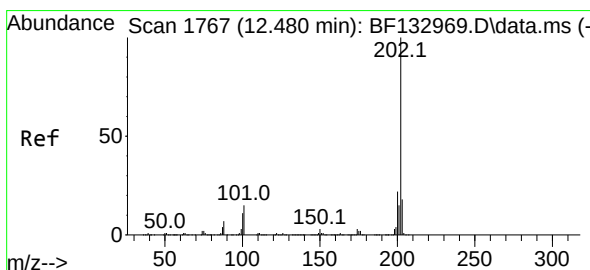
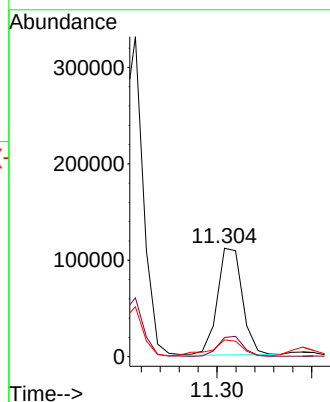
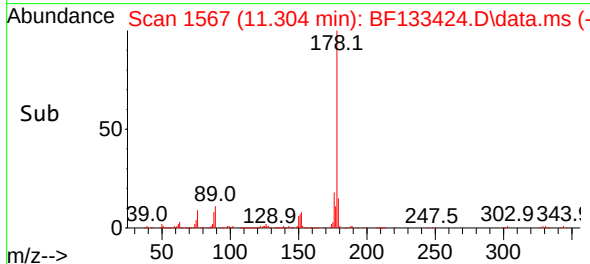
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 ClientSampleId :
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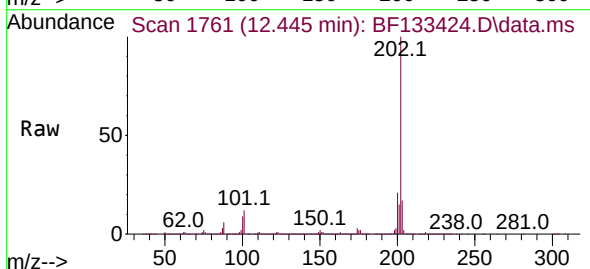
Tgt Ion:178 Resp: 102185
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.0
 179 15.4 12.4 18.6

Manual Integrations
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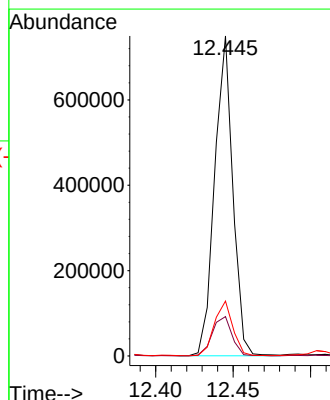
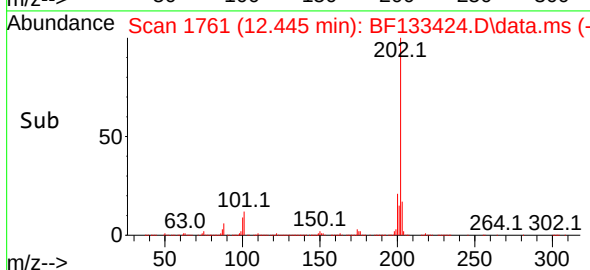
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

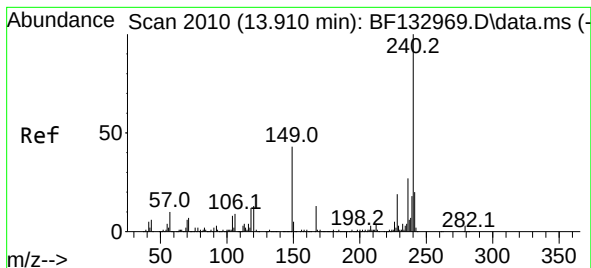


#75
 Fluoranthene
 Concen: 14.878 ng
 RT: 12.445 min Scan# 1761
 Delta R.T. -0.012 min
 Lab File: BF133424.D
 Acq: 17 May 2023 20:53



Tgt Ion:202 Resp: 609826
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 35.3
 203 17.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.868 min Scan# 2010

Delta R.T. -0.018 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

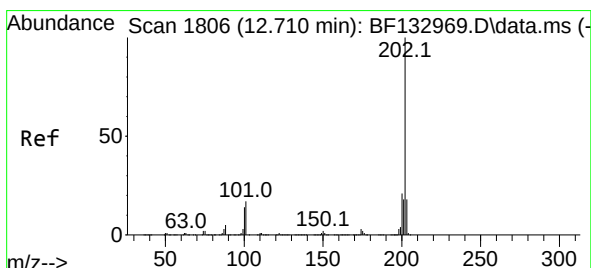
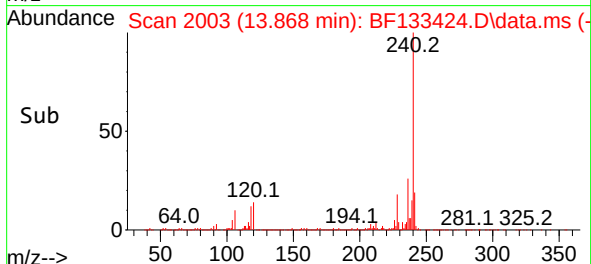
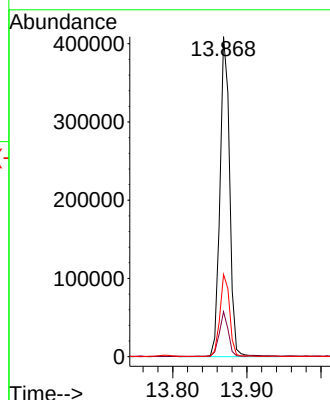
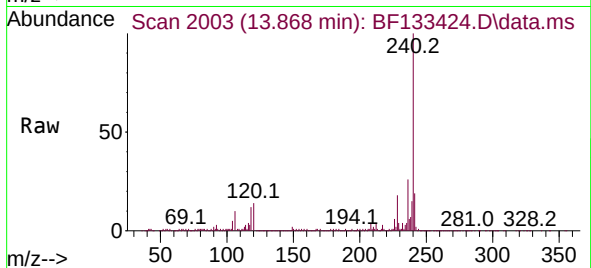
360

Tgt Ion:240 Resp: 369912
 Ion Ratio Lower Upper
 240 100
 120 14.0 10.5 15.7
 236 25.7 21.5 32.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023
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#78

Pyrene

Concen: 13.286 ng

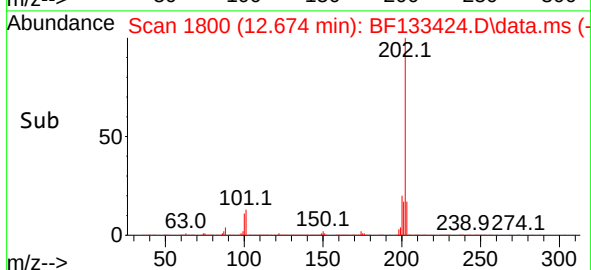
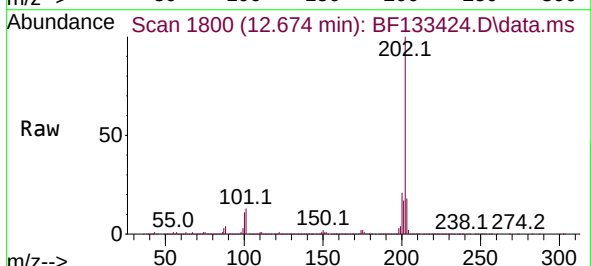
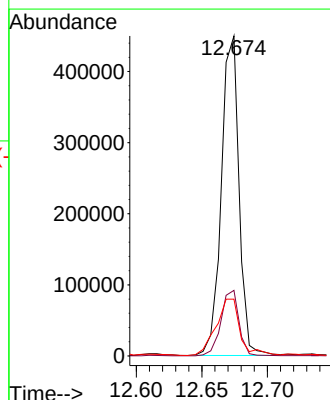
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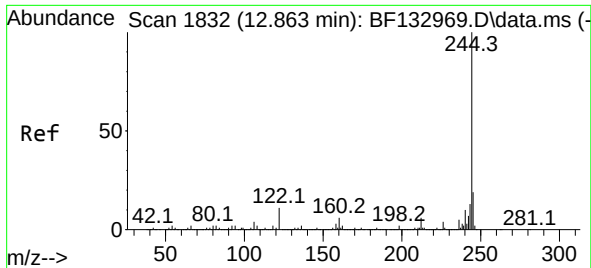
Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

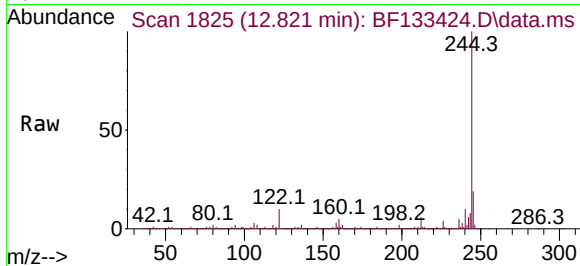
Tgt Ion:202 Resp: 421285
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.1 25.7
 203 17.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 44.740 ng
 RT: 12.821 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133424.D
 Acq: 17 May 2023 20:53

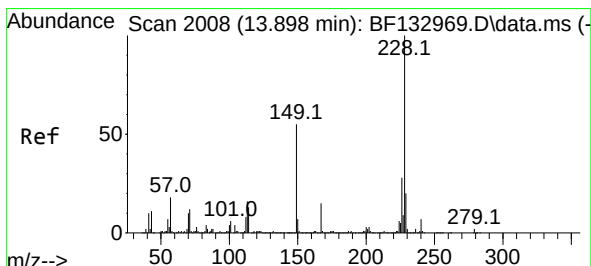
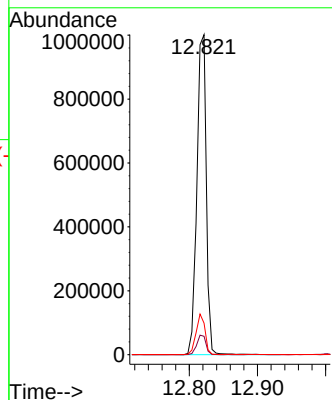
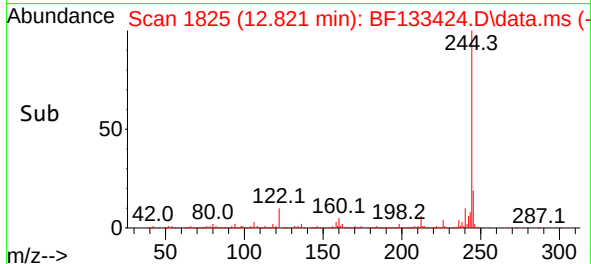
Instrument :
 BNA_F
 ClientSampleId :
 360



Tgt Ion:244 Resp: 959600
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.1 7.7
 122 9.9 8.6 13.0

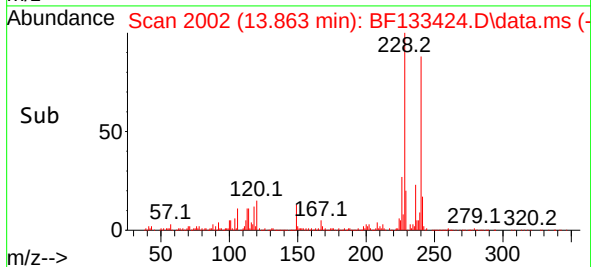
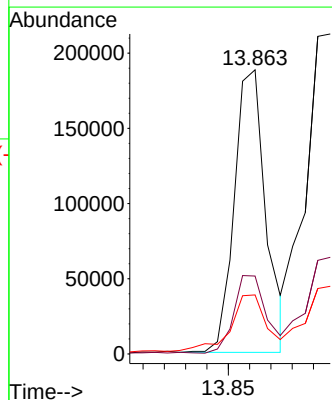
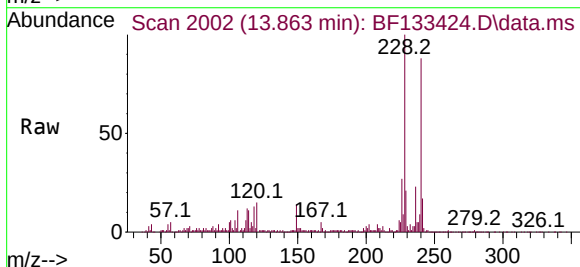
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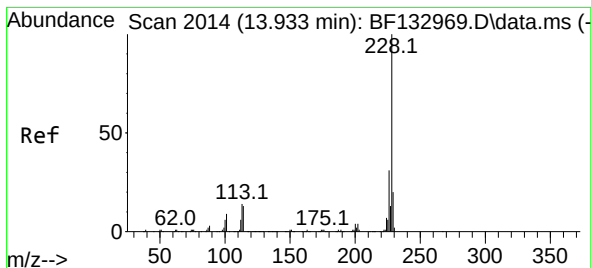
Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#81
 Benzo(a)anthracene
 Concen: 7.591 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133424.D
 Acq: 17 May 2023 20:53

Tgt Ion:228 Resp: 193107
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.2 33.4
 229 20.8 16.0 24.0





#83

Chrysene

Concen: 9.309 ng

RT: 13.898 min Scan# 2000

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

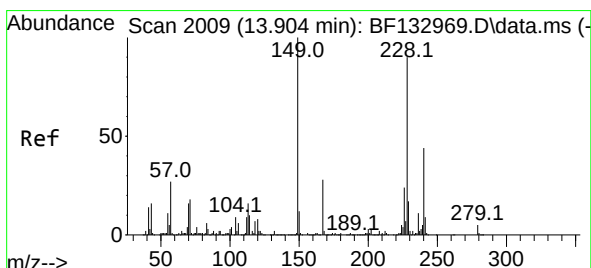
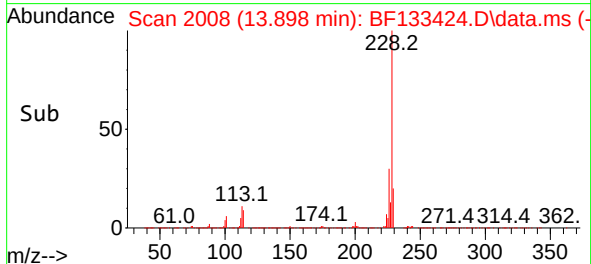
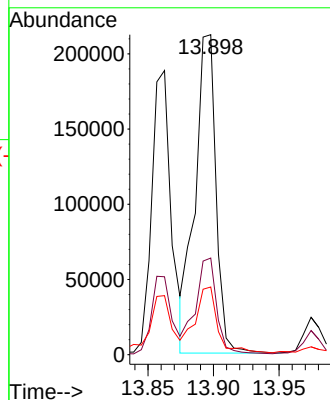
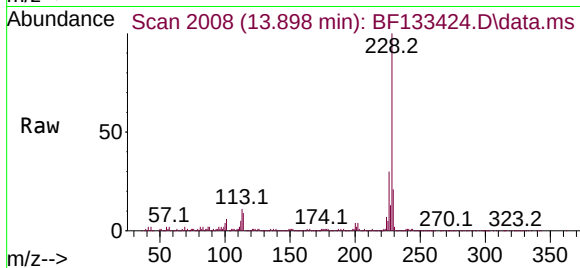
360

Tgt Ion:228	Resp: 23674
Ion Ratio	Lower Upper
228 100	
226 30.2	24.7 37.1
229 21.1	16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.366 ng

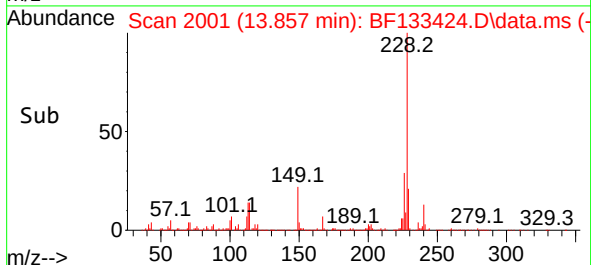
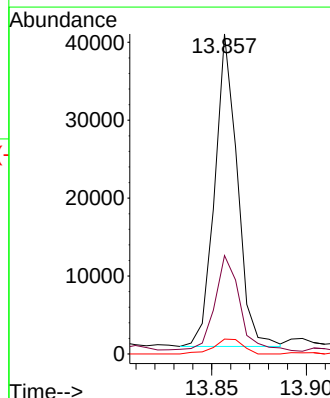
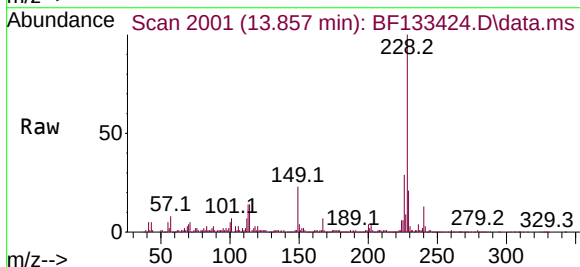
RT: 13.857 min Scan# 2001

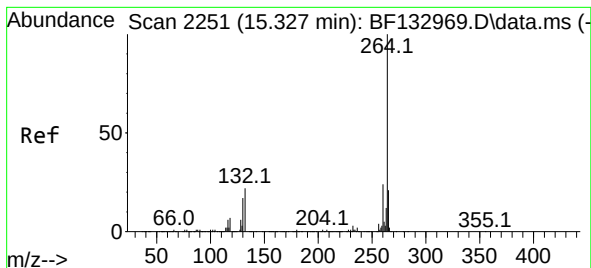
Delta R.T. -0.006 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Tgt Ion:149	Resp: 33346
Ion Ratio	Lower Upper
149 100	
167 30.7	22.5 33.7
279 4.6	4.2 6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

360

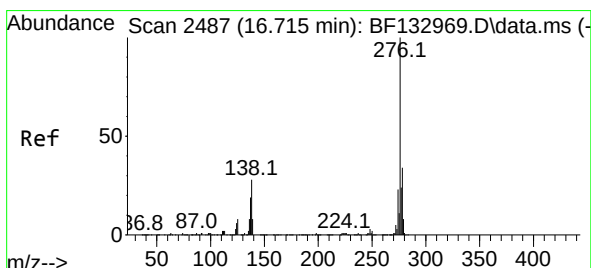
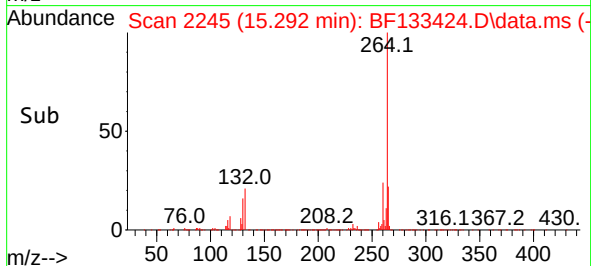
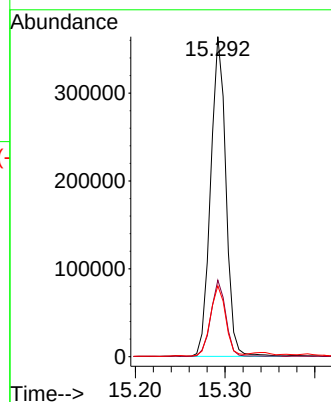
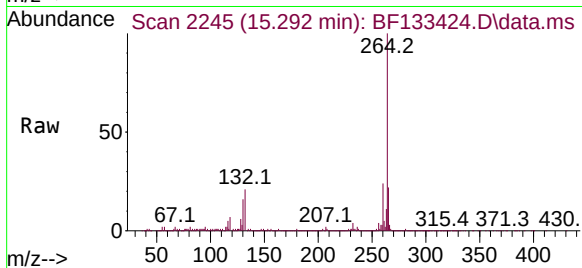
Tgt Ion:	264	Resp:	429004
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.8	28.2
265	22.1	17.0	25.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.205 ng

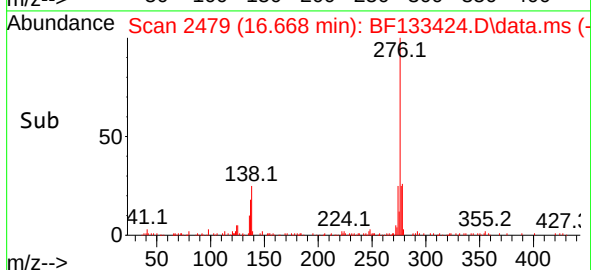
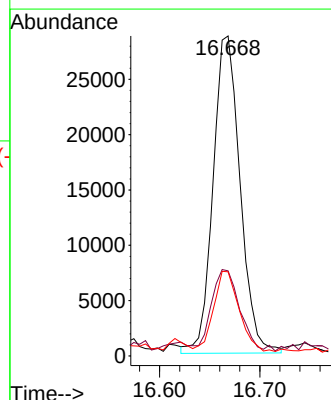
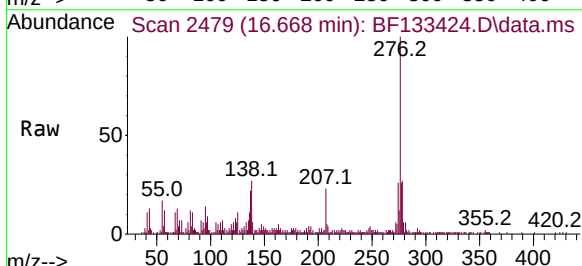
RT: 16.668 min Scan# 2479

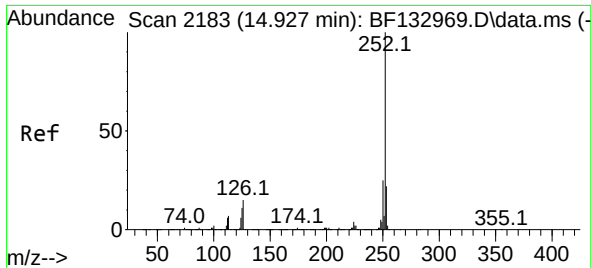
Delta R.T. -0.029 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

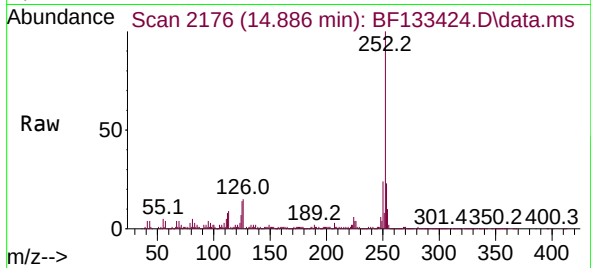
Tgt Ion:	276	Resp:	53797
Ion Ratio	Lower	Upper	
276	100		
138	25.7	25.5	38.3
277	24.4	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 8.671 ng m
RT: 14.886 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

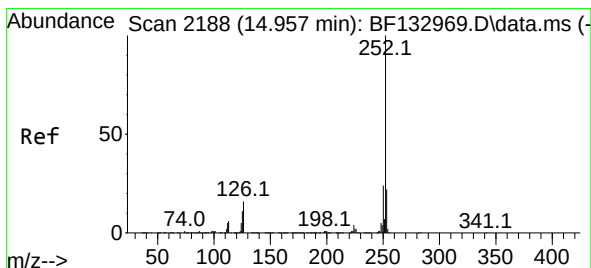
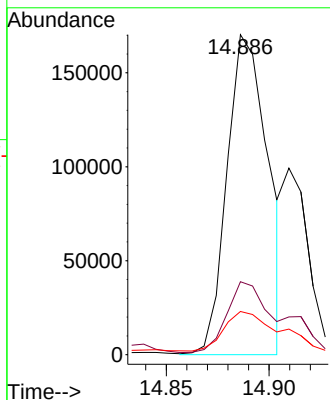
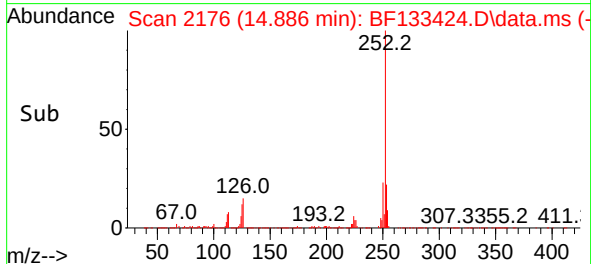
Instrument :
BNA_F
ClientSampleId :
360



Tgt Ion:252 Resp: 23664
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.5 8.9 13.3

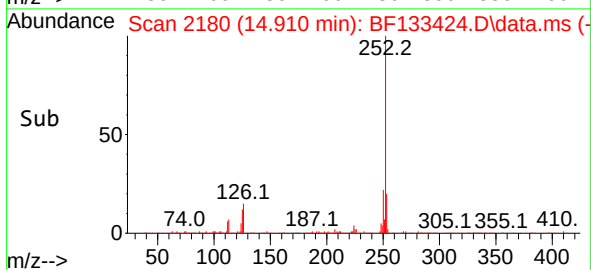
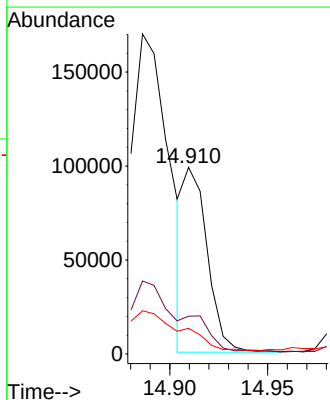
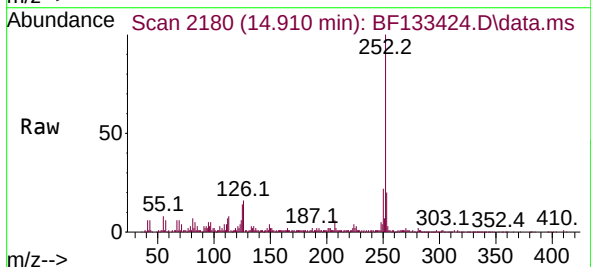
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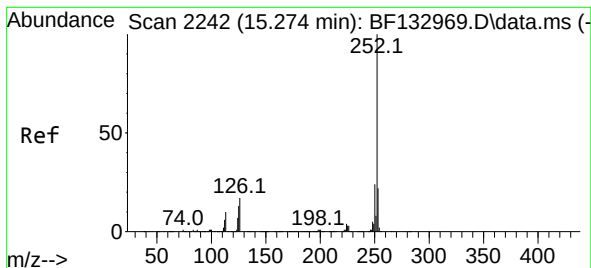
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#89
Benzo(k)fluoranthene
Concen: 3.052 ng m
RT: 14.910 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF133424.D
Acq: 17 May 2023 20:53

Tgt Ion:252 Resp: 82570
Ion Ratio Lower Upper
252 100
253 20.3 17.7 26.5
125 13.7 9.0 13.4





#90

Benzo(a)pyrene

Concen: 5.206 ng

RT: 15.233 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Instrument :

BNA_F

ClientSampleId :

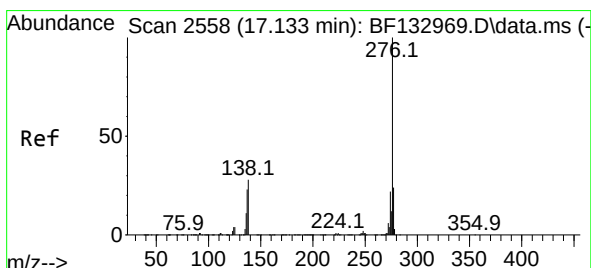
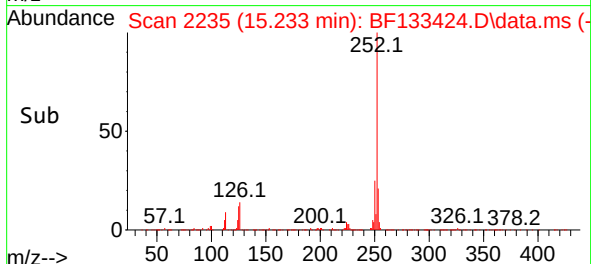
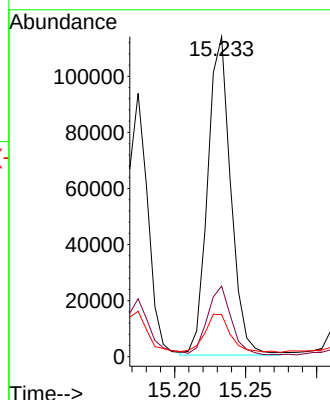
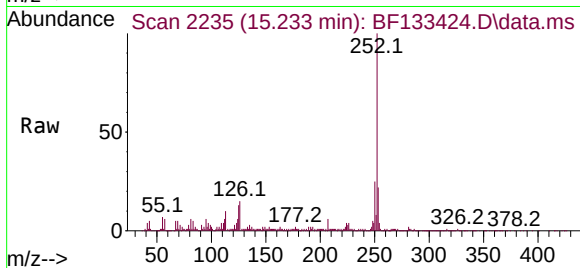
360

Tgt Ion:252 Resp: 129339
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.7 26.5
 125 13.2 10.5 15.7

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023



#92

Benzo(g,h,i)perylene

Concen: 2.424 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.029 min

Lab File: BF133424.D

Acq: 17 May 2023 20:53

Tgt Ion:276 Resp: 48700
 Ion Ratio Lower Upper
 276 100
 277 25.6 19.4 29.0
 138 31.9 22.7 34.1

