

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132636.D
 Acq On : 03 Mar 2023 19:10
 Operator : CG\JU
 Sample : 01776-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-6-030223DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 02:20:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	144751	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	460907	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	201518	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	386349	20.000	ng	0.00
76) Chrysene-d12	14.204	240	398702	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	338734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	199754	22.397	ng	-0.01
7) Phenol-d6	6.616	99	234642	20.158	ng	-0.02
23) Nitrobenzene-d5	7.557	82	127620	13.137	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	40410	18.568	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	213120	16.103	ng	-0.01
79) Terphenyl-d14	13.133	244	279995	11.874	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.569	178	105479	5.270	ng	97
75) Fluoranthene	12.763	202	140492	6.421	ng	98
78) Pyrene	12.998	202	183131	5.052	ng	100
81) Benzo(a)anthracene	14.192	228	107671	3.609	ng	95
83) Chrysene	14.227	228	98071	3.516	ng	97
88) Benzo(b)fluoranthene	15.292	252	118633m	5.226	ng	
90) Benzo(a)pyrene	15.692	252	86435	4.068	ng	95
92) Benzo(g,h,i)perylene	17.845	276	33961	3.220	ng	# 89

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

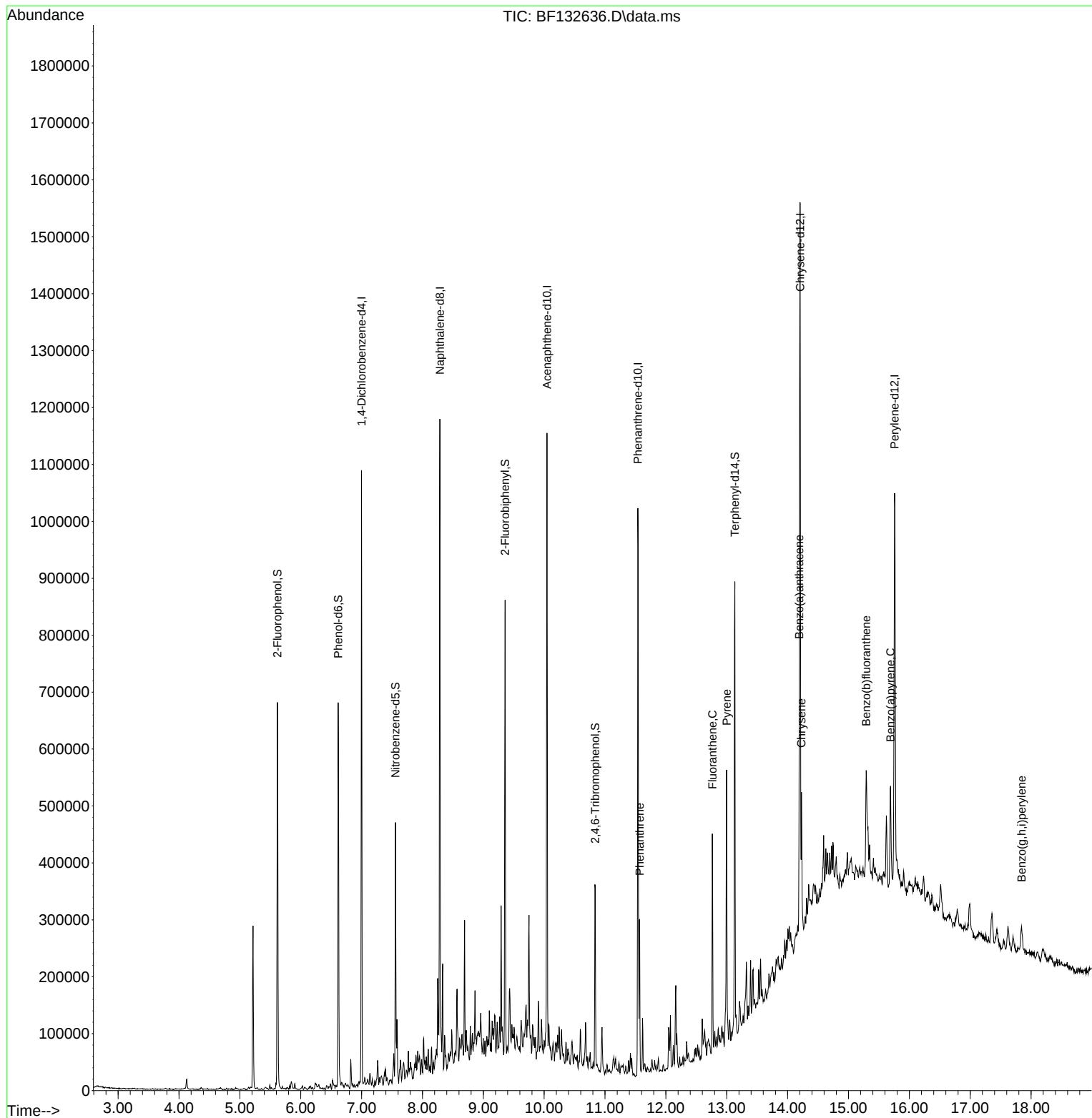
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132636.D
Acq On : 03 Mar 2023 19:10
Operator : CG\JU
Sample : 01776-01DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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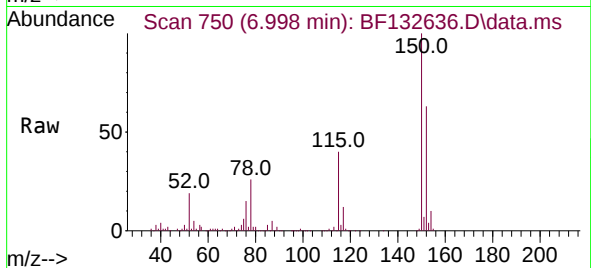
Quant Time: Mar 04 02:20:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

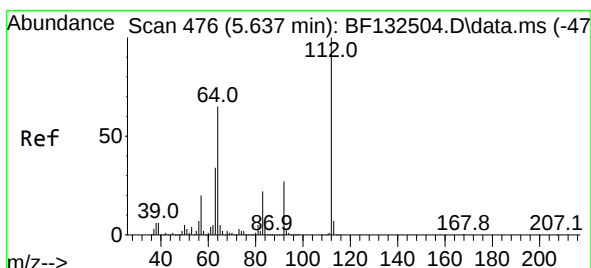
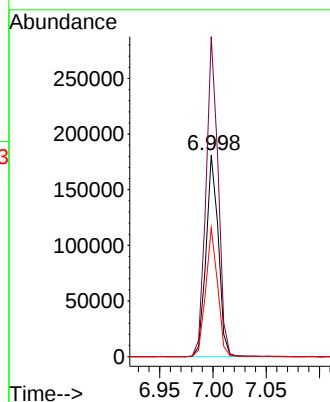
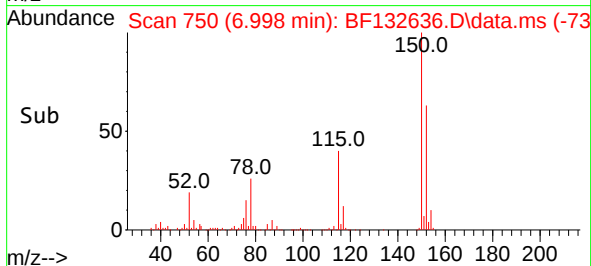
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL



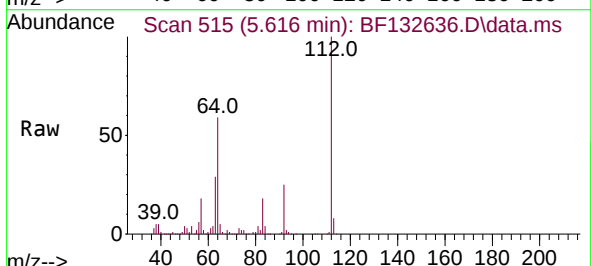
Tgt Ion:152 Resp: 144754
Ion Ratio Lower Upper
152 100
150 159.0 125.4 188.2
115 64.0 47.8 71.6

Manual Integrations
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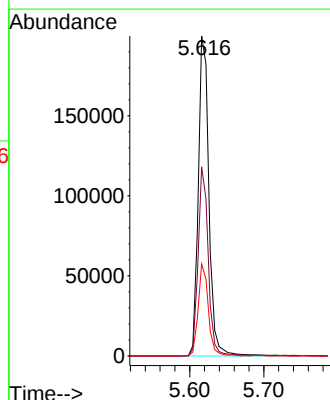
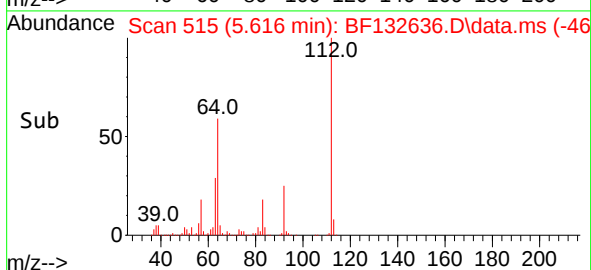
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

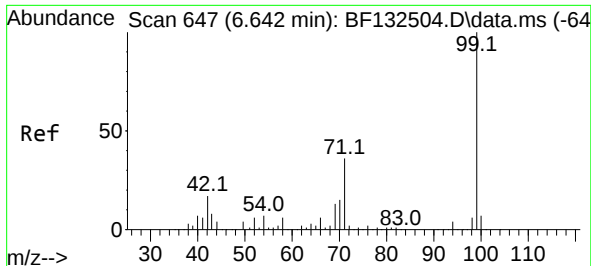


#5
2-Fluorophenol
Concen: 22.397 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10



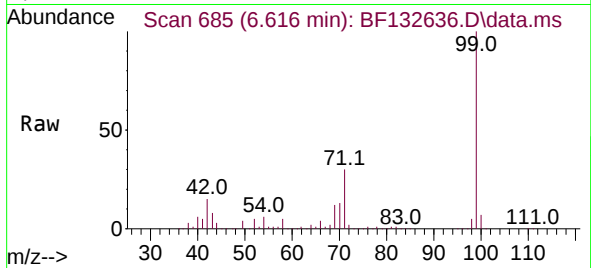
Tgt Ion:112 Resp: 199754
Ion Ratio Lower Upper
112 100
64 59.1 51.6 77.4
63 28.7 27.4 41.2





#7
Phenol-d6
Concen: 20.158 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.021 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

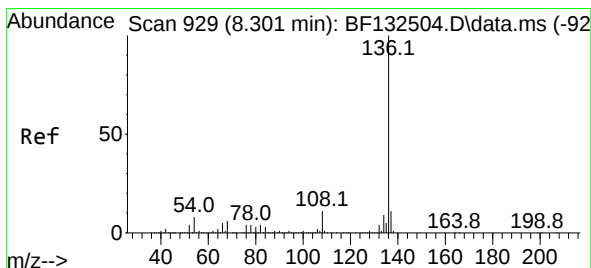
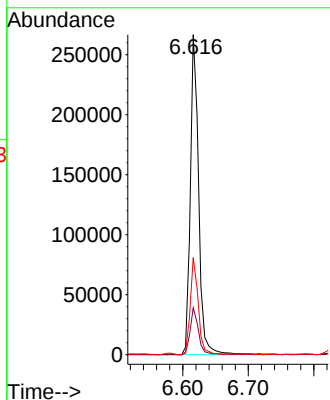
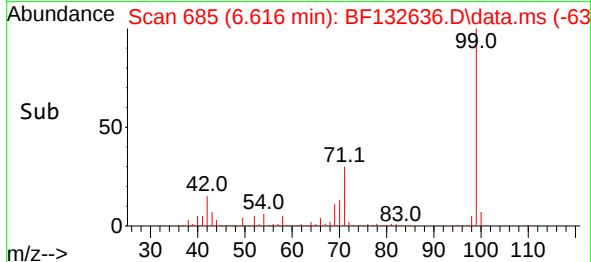
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL



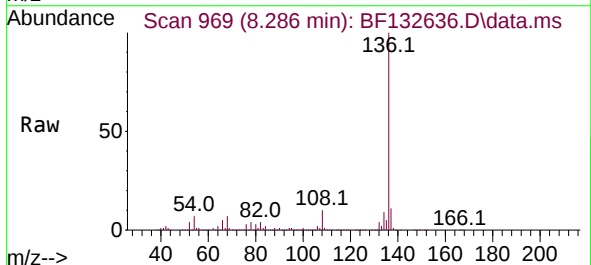
Tgt Ion: 99 Resp: 234642
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 30.4 28.5 42.7

Manual Integrations
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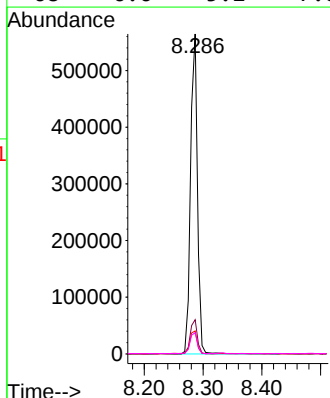
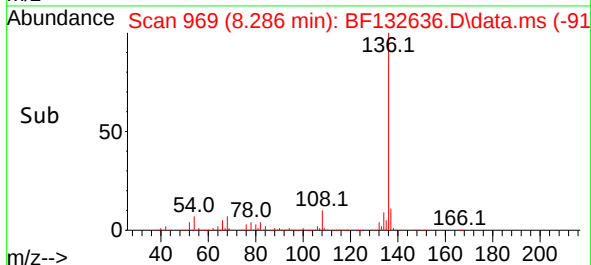
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

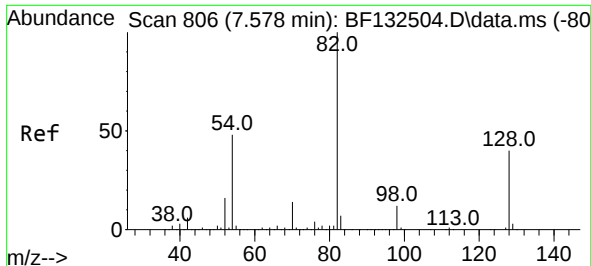


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10



Tgt Ion:136 Resp: 460907
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.2 6.2 9.4
68 6.6 5.2 7.8





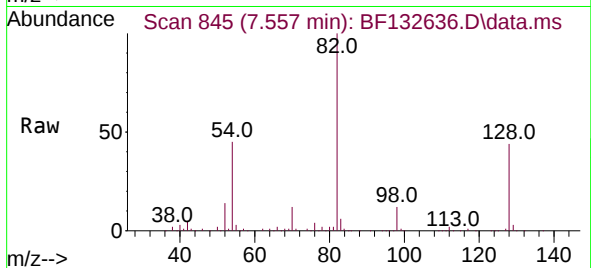
#23
Nitrobenzene-d5
Concen: 13.137 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

TR-6-030223DL

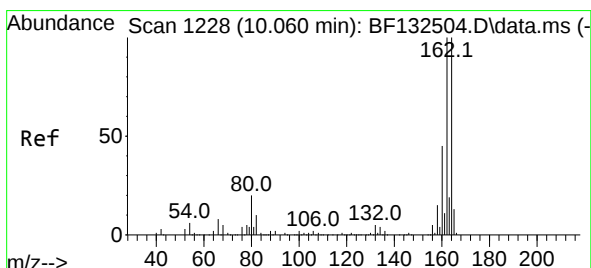
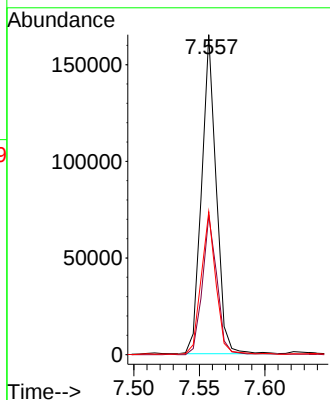
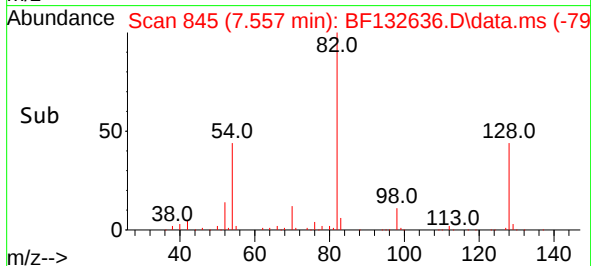


Tgt Ion: 82 Resp: 127620
Ion Ratio Lower Upper
82 100
128 43.5 32.2 48.2
54 44.6 38.4 57.6

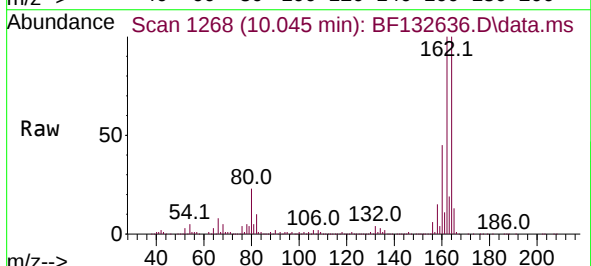
Manual Integrations

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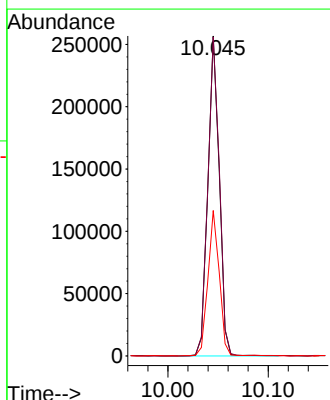
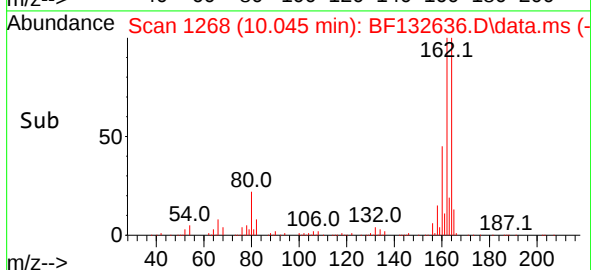
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

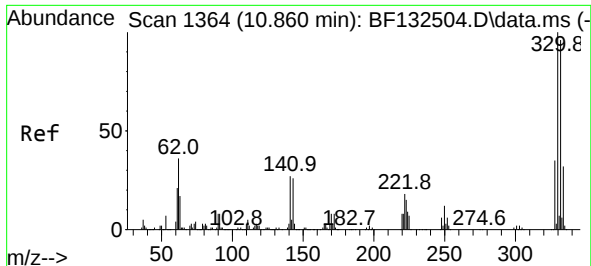


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10



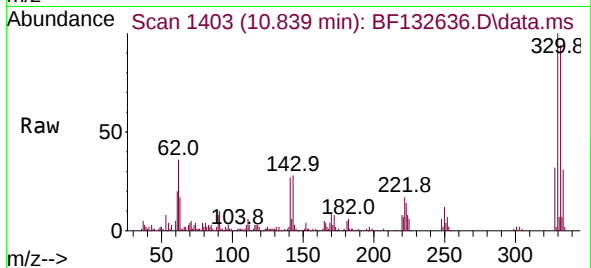
Tgt Ion:164 Resp: 201518
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 45.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 18.568 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

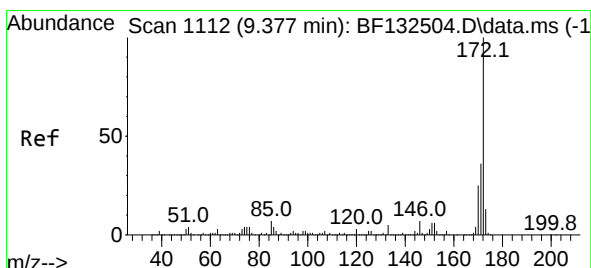
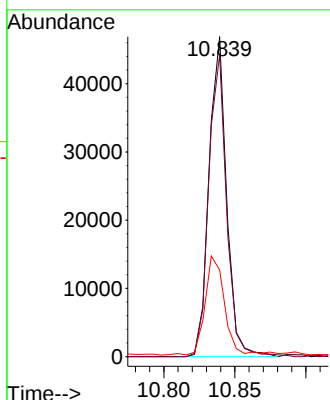
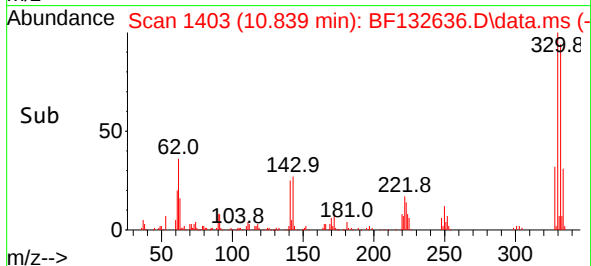
Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL



Tgt Ion: 330 Resp: 40416
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 34.4 28.4 42.6

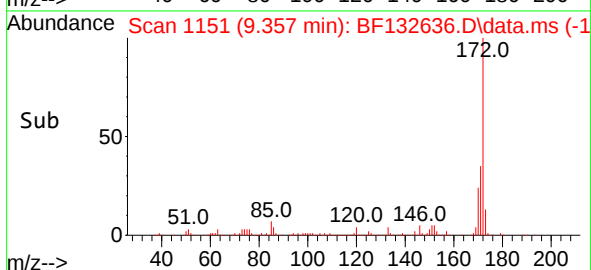
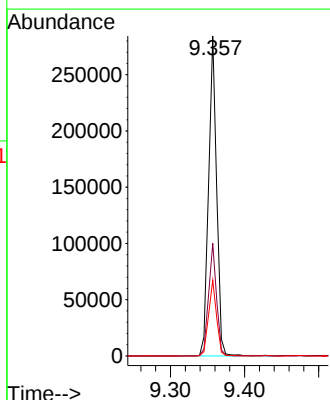
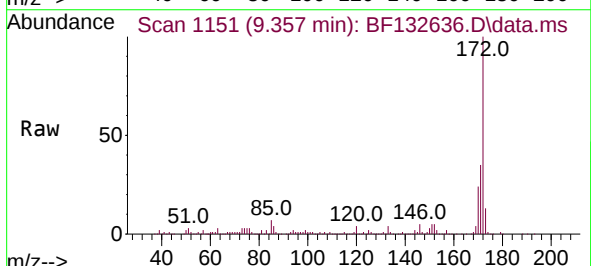
Manual Integrations
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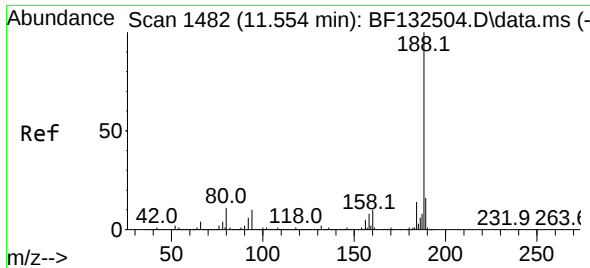
Reviewed By : Christian Giraldo 03/06/2023
Supervised By : Jagrut Upadhyay 03/06/2023



#45
2-Fluorobiphenyl
Concen: 16.103 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion: 172 Resp: 213120
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.7 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

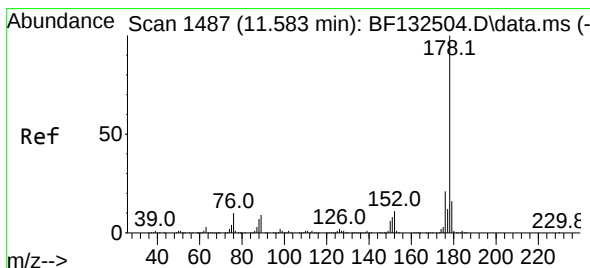
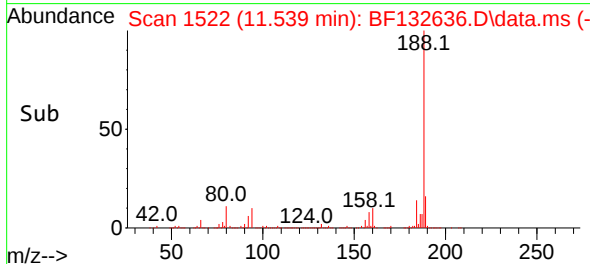
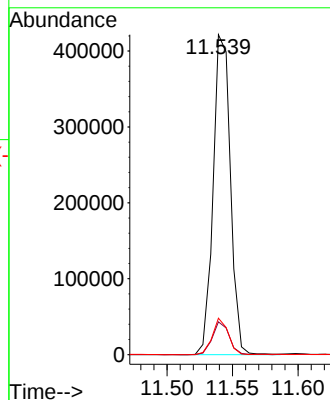
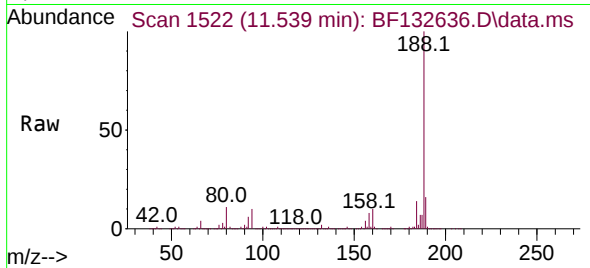
TR-6-030223DL

Tgt Ion:188 Resp: 386349
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 11.4 8.7 13.1

Manual Integrations

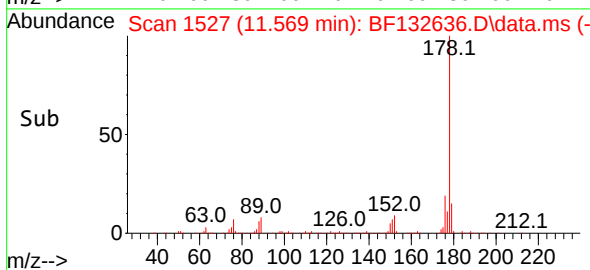
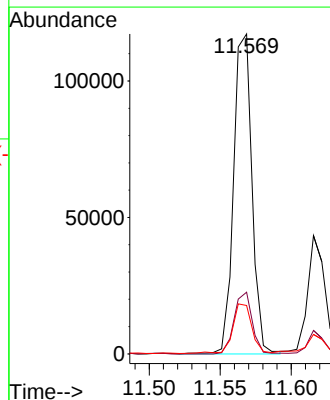
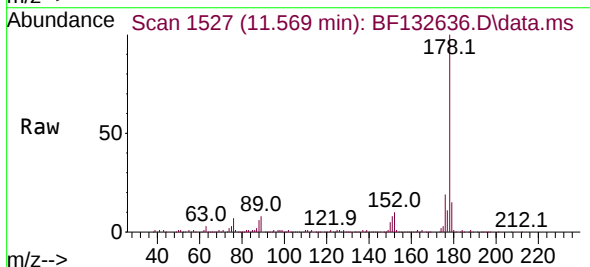
APPROVED

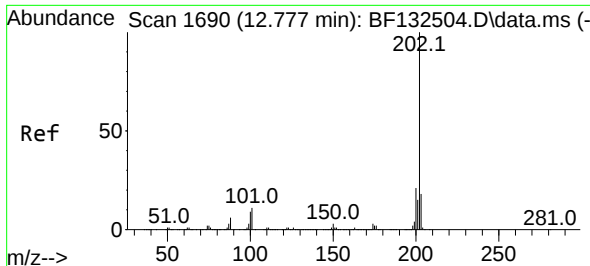
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#71
Phenanthrene
Concen: 5.270 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

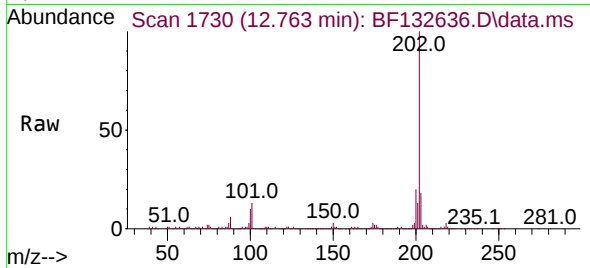
Tgt Ion:178 Resp: 105479
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 15.1 13.0 19.6





#75
Fluoranthene
Concen: 6.421 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

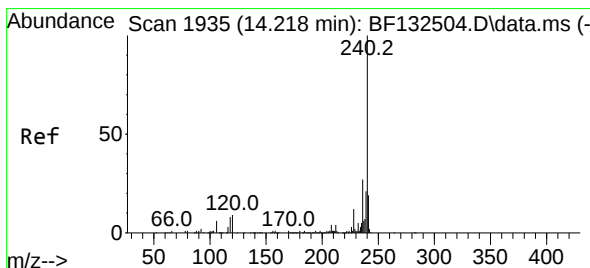
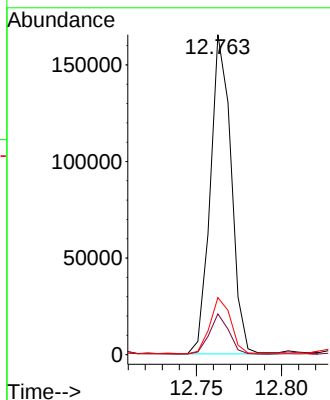
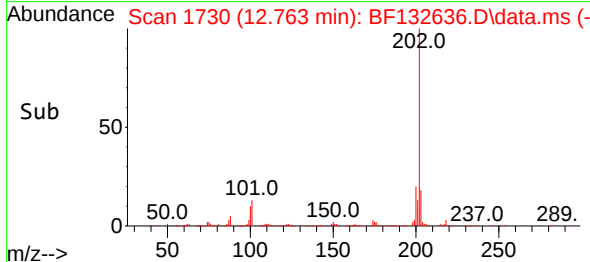
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ClientSampleId :
TR-6-030223DL



Tgt Ion:202 Resp: 140492
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.4
203 17.8 0.0 38.0

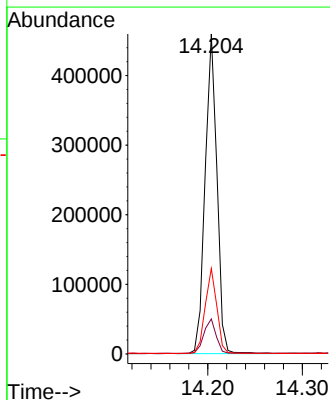
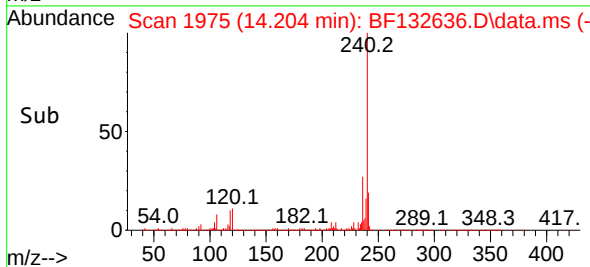
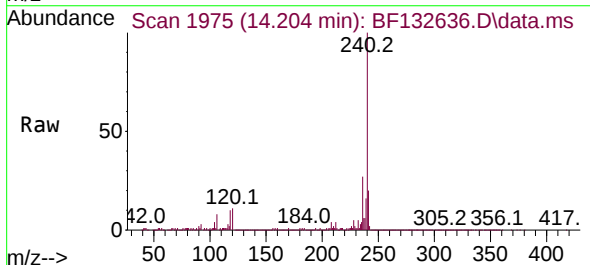
Manual Integrations
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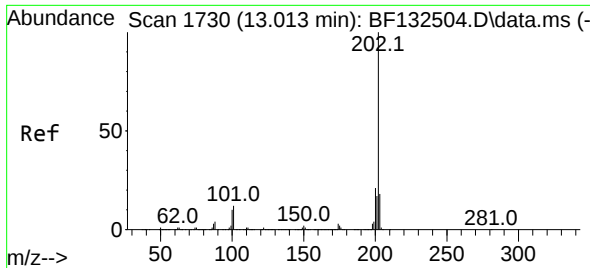
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

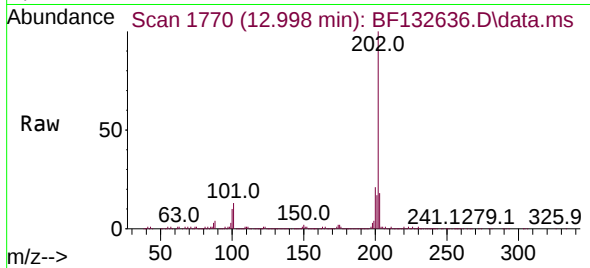
Tgt Ion:240 Resp: 398702
Ion Ratio Lower Upper
240 100
120 10.9 7.2 10.8#
236 26.7 21.8 32.6





#78
Pyrene
Concen: 5.052 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

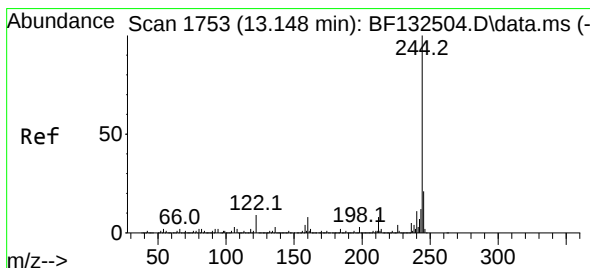
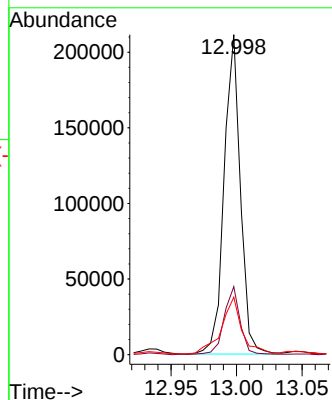
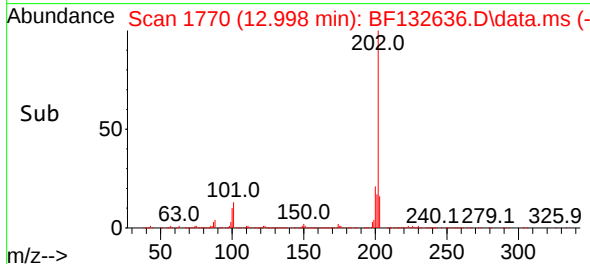
Instrument :
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TR-6-030223DL



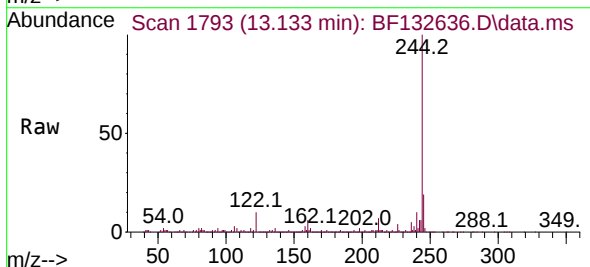
Tgt Ion:202 Resp: 183131
Ion Ratio Lower Upper
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200 21.2 17.1 25.7
203 17.9 14.6 21.8

Manual Integrations
APPROVED

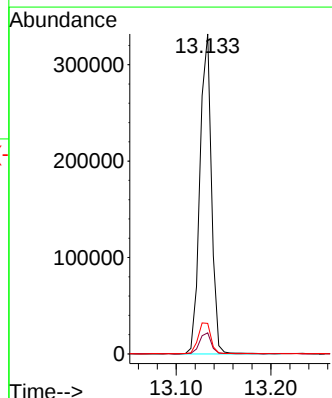
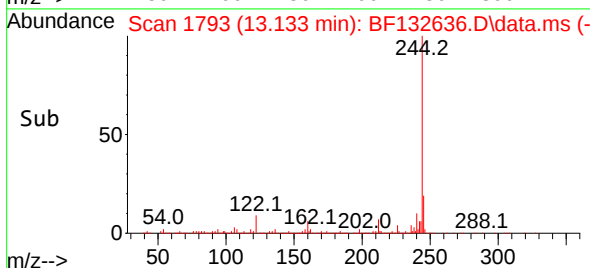
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

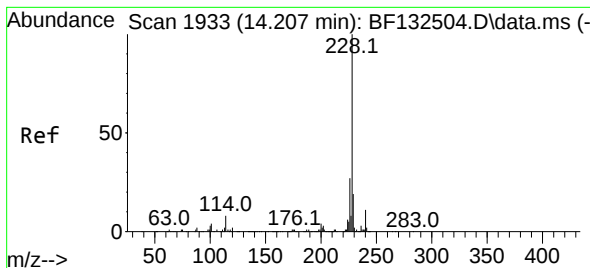


#79
Terphenyl-d14
Concen: 11.874 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10



Tgt Ion:244 Resp: 279995
Ion Ratio Lower Upper
244 100
212 6.6 6.5 9.7
122 9.5 7.5 11.3





#81

Benzo(a)anthracene

Concen: 3.609 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.003 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

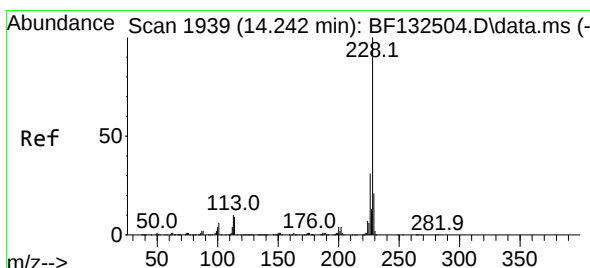
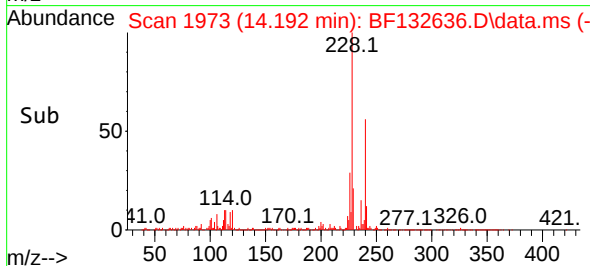
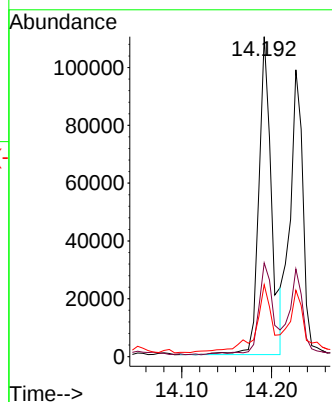
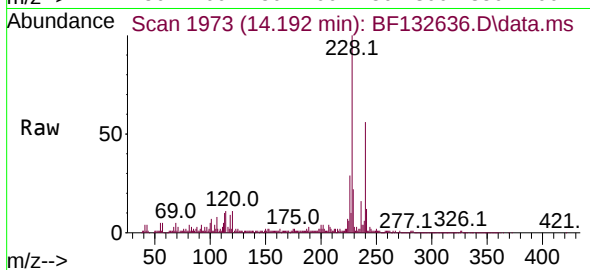
ClientSampleId :

TR-6-030223DL

Tgt Ion:228 Resp: 107671
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.7 32.5
 229 22.5 15.4 23.2

Manual Integrations
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Reviewed By :Christian Giraldo 03/06/2023
 Supervised By :Jagrut Upadhyay 03/06/2023



#83

Chrysene

Concen: 3.516 ng

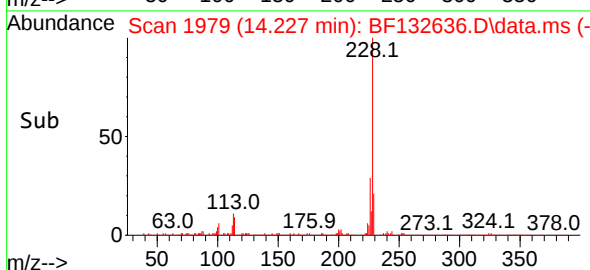
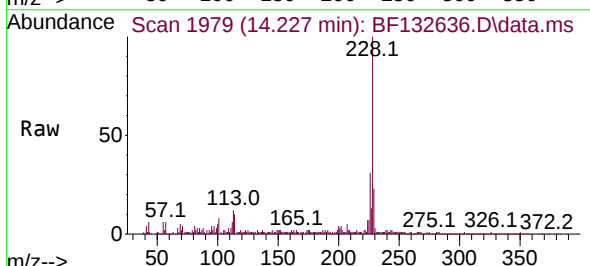
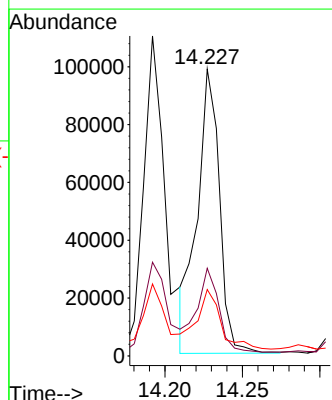
RT: 14.227 min Scan# 1979

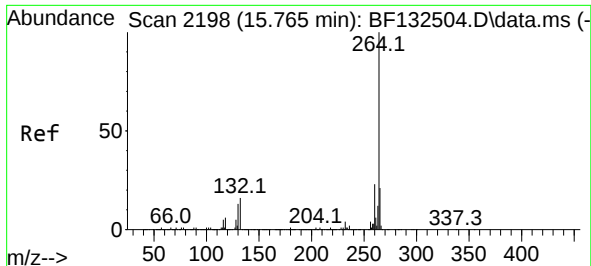
Delta R.T. -0.009 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Tgt Ion:228 Resp: 98071
 Ion Ratio Lower Upper
 228 100
 226 30.5 25.0 37.6
 229 23.1 16.4 24.6





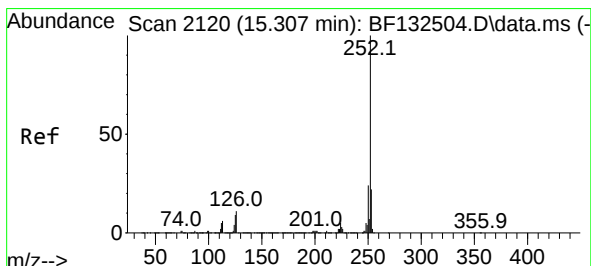
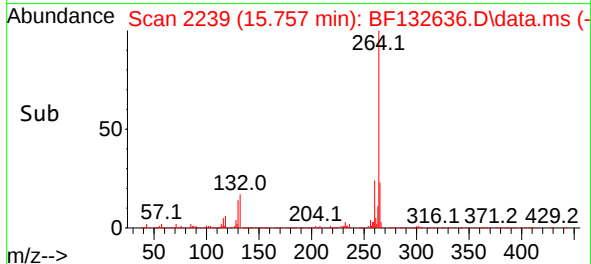
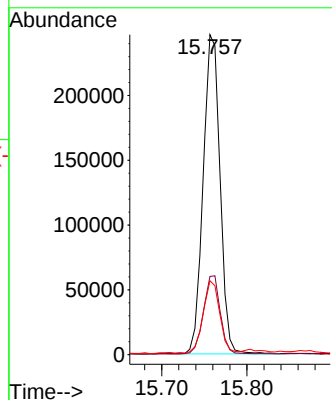
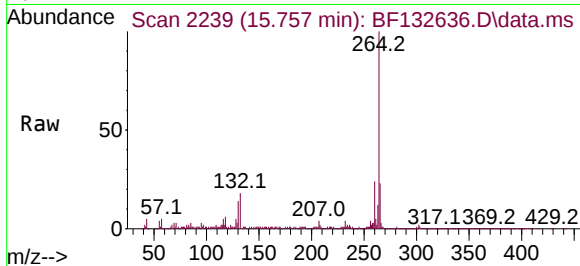
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Instrument :
BNA_F
ClientSampleId :
TR-6-030223DL

Tgt Ion:264 Resp: 338734
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 23.1 17.1 25.7

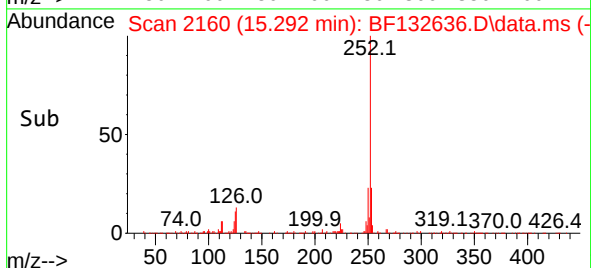
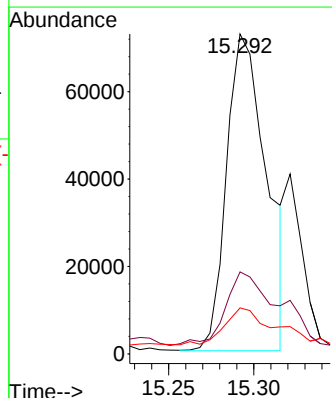
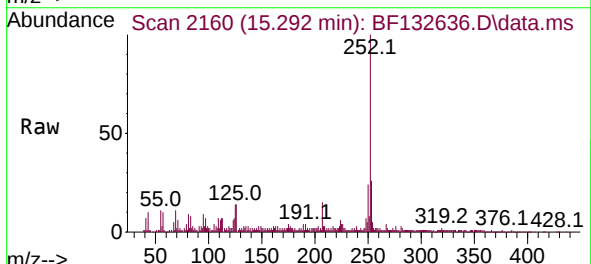
Manual Integrations
APPROVED

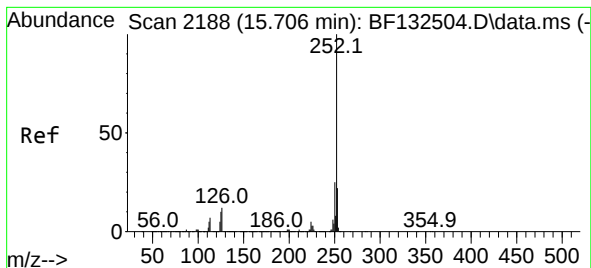
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#88
Benzo(b)fluoranthene
Concen: 5.226 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132636.D
Acq: 03 Mar 2023 19:10

Tgt Ion:252 Resp: 118633
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 14.4 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 4.068 ng

RT: 15.692 min Scan# 2188

Delta R.T. 0.003 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Instrument :

BNA_F

ClientSampleId :

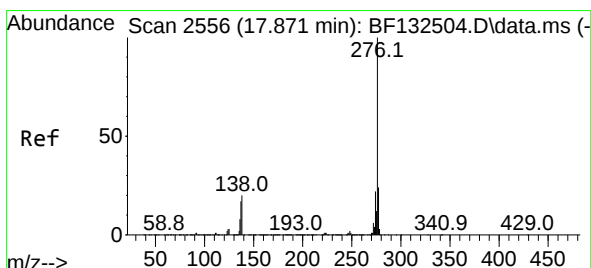
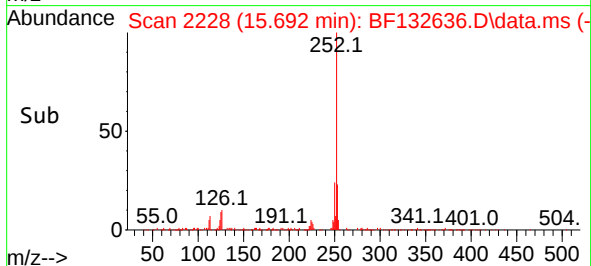
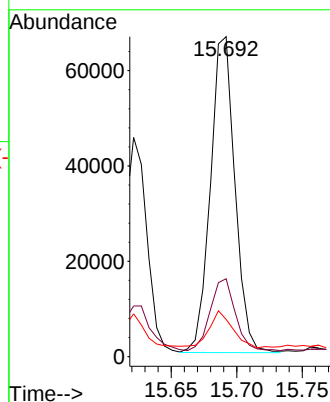
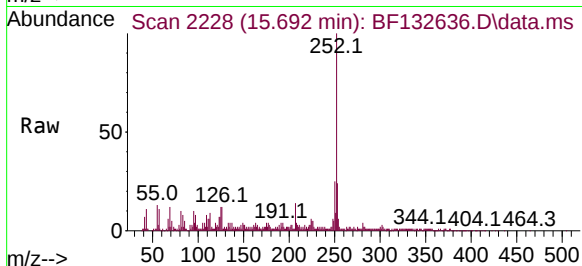
TR-6-030223DL

Tgt Ion:	252	Resp:	86435
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	11.6	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#92

Benzo(g,h,i)perylene

Concen: 3.220 ng

RT: 17.845 min Scan# 2594

Delta R.T. -0.009 min

Lab File: BF132636.D

Acq: 03 Mar 2023 19:10

Tgt Ion:	276	Resp:	33961
Ion Ratio	Lower	Upper	
276	100		
277	28.0	18.9	28.3
138	26.0	16.2	24.4

