

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132795.D
 Acq On : 15 Mar 2023 00:09
 Operator : CG\JU
 Sample : 01901-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-031323

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023

Quant Time: Mar 15 02:31:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	188424	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	640418	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	287232	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	503087	20.000	ng	0.00
76) Chrysene-d12	14.157	240	329451	20.000	ng	# 0.00
86) Perylene-d12	15.692	264	259173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	810771	69.835	ng	0.00
7) Phenol-d6	6.593	99	1081542	71.380	ng	-0.01
23) Nitrobenzene-d5	7.528	82	652536	48.342	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	130558	42.089	ng	-0.01
45) 2-Fluorobiphenyl	9.322	172	996179	52.809	ng	0.00
79) Terphenyl-d14	13.092	244	1017944	52.241	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.522	178	162799	6.247	ng	98
75) Fluoranthene	12.722	202	275747	9.678	ng	98
78) Pyrene	12.957	202	284511	9.499	ng	98
81) Benzo(a)anthracene	14.145	228	108777	4.413	ng	# 94
83) Chrysene	14.180	228	104539m	4.535	ng	
87) Indeno(1,2,3-cd)pyrene	17.268	276	34855	2.052	ng	97
88) Benzo(b)fluoranthene	15.233	252	99863m	5.750	ng	
90) Benzo(a)pyrene	15.627	252	68050	4.186	ng	# 82
92) Benzo(g,h,i)perylene	17.757	276	38580	3.998	ng	# 87

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

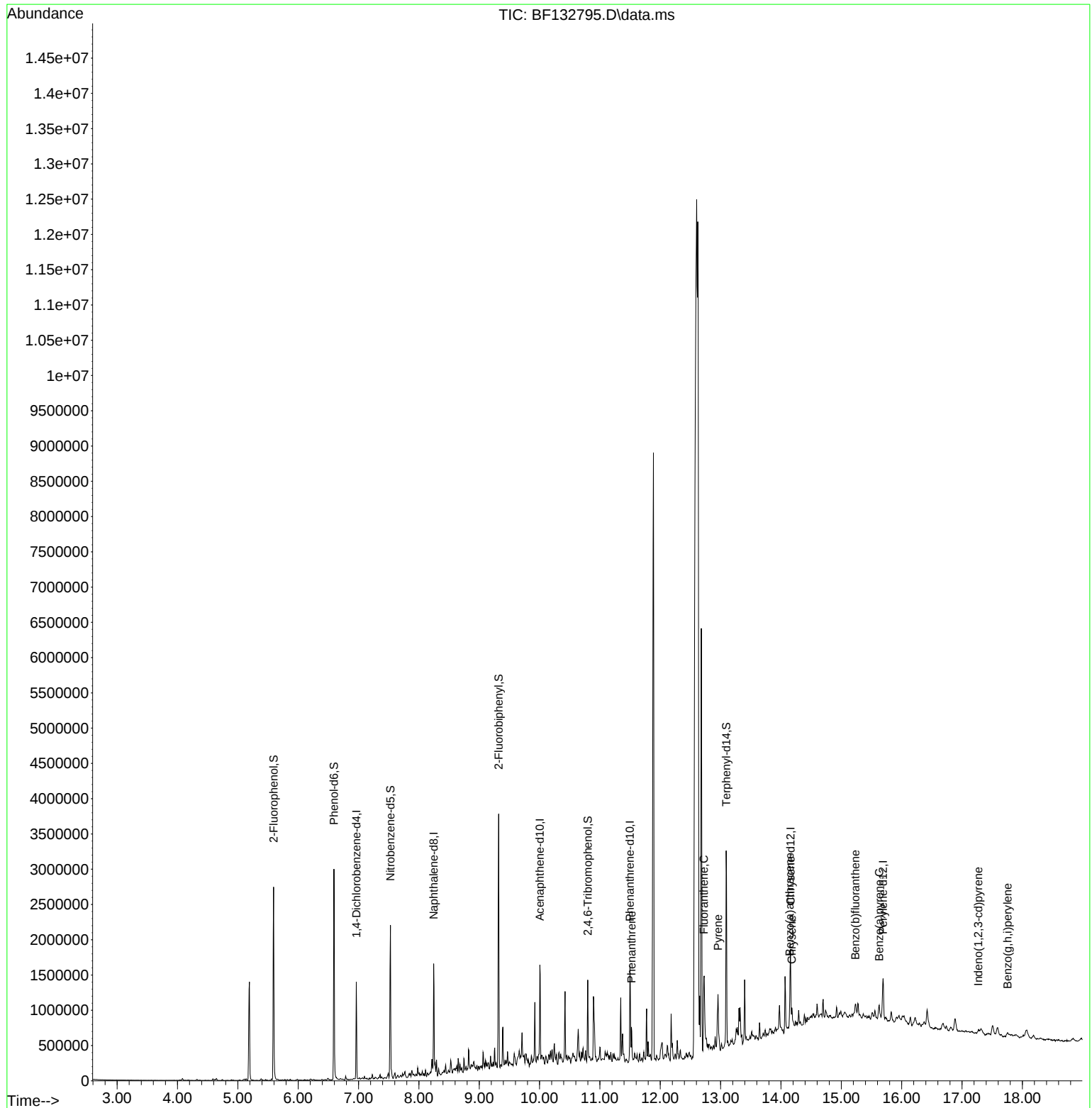
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132795.D
Acq On : 15 Mar 2023 00:09
Operator : CG\JU
Sample : 01901-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

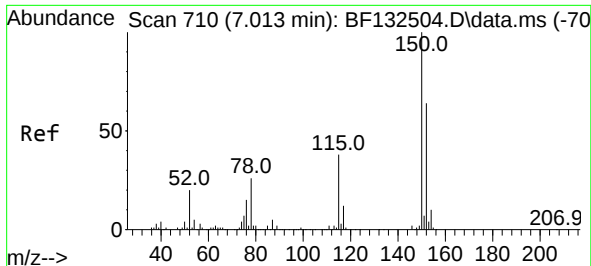
Instrument :
BNA_F
ClientSampleId :
TR-04-031323

Quant Time: Mar 15 02:31:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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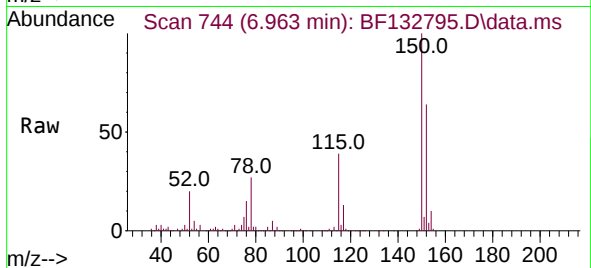
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: BF132795.D
 Acq: 15 Mar 2023 00:09

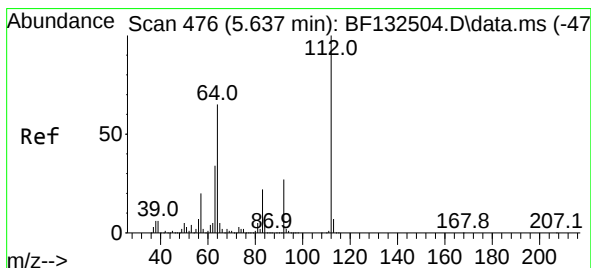
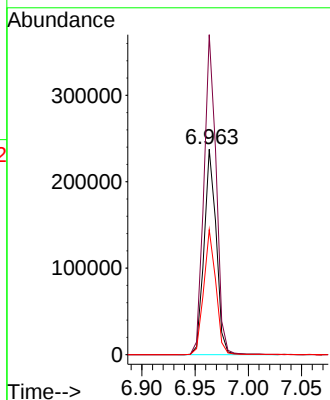
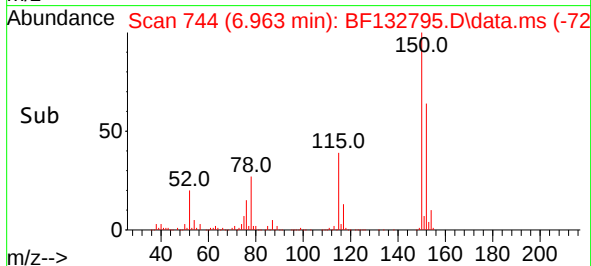
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-031323



Tgt Ion:152 Resp: 188424
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.4 188.2
 115 60.8 47.8 71.6

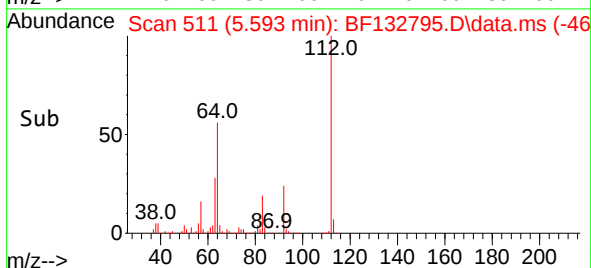
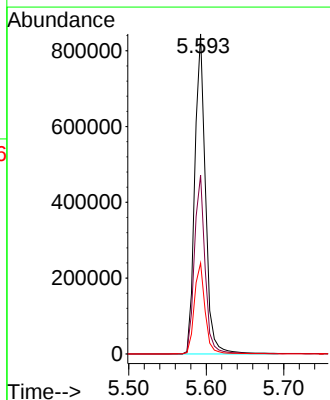
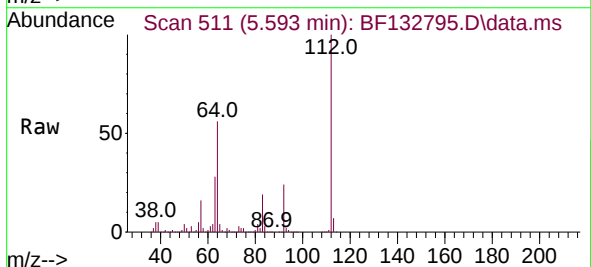
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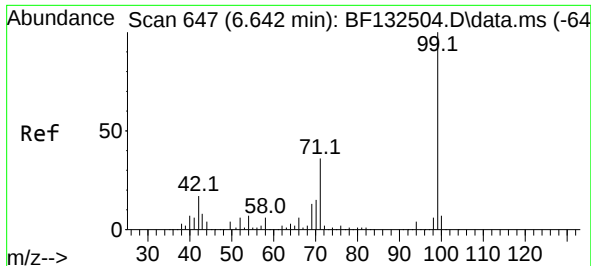
Reviewed By :Yogesh Patel 03/15/2023
 Supervised By :Jagrut Upadhyay 03/15/2023



#5
 2-Fluorophenol
 Concen: 69.835 ng
 RT: 5.593 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: BF132795.D
 Acq: 15 Mar 2023 00:09

Tgt Ion:112 Resp: 810771
 Ion Ratio Lower Upper
 112 100
 64 55.9 51.6 77.4
 63 28.4 27.4 41.2





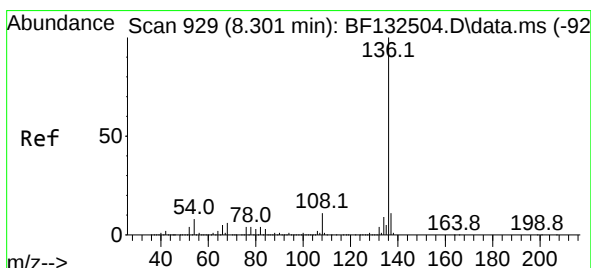
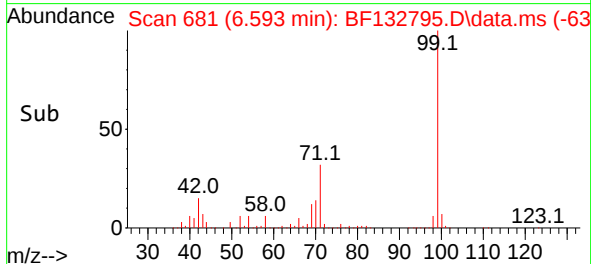
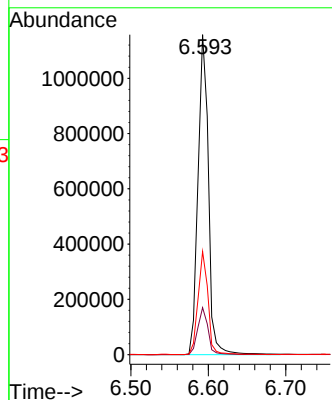
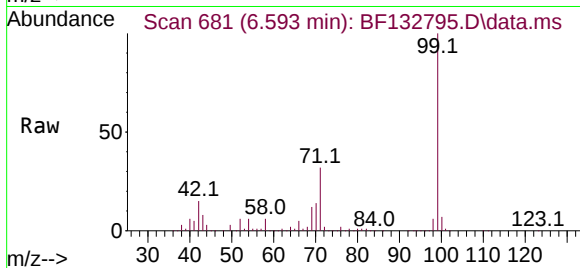
#7
Phenol-d6
Concen: 71.380 ng
RT: 6.593 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Instrument :
BNA_F
ClientSampleId :
TR-04-031323

Tgt Ion: 99 Resp: 108154
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 32.2 28.5 42.7

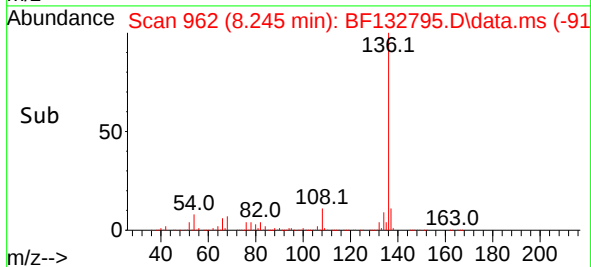
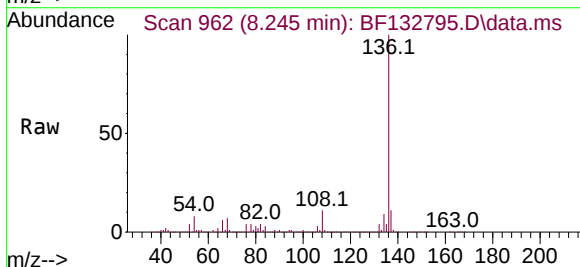
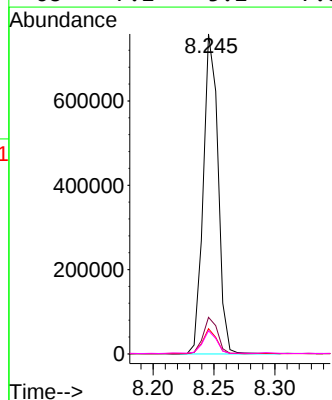
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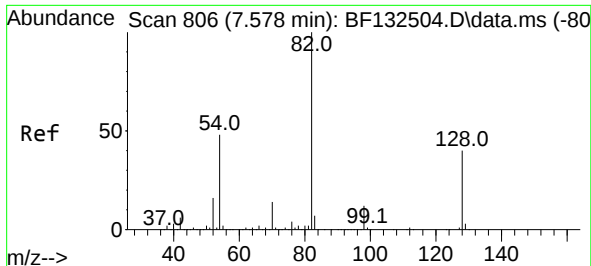
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:136 Resp: 640418
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.9 6.2 9.4
68 7.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 48.342 ng
RT: 7.528 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

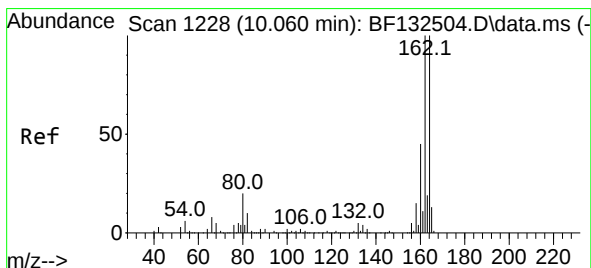
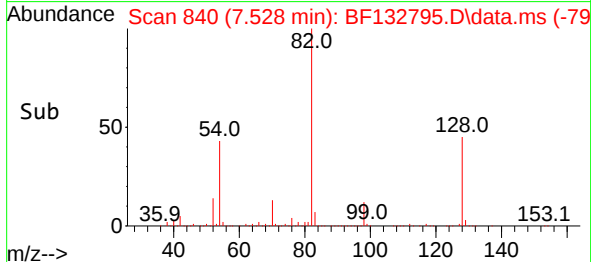
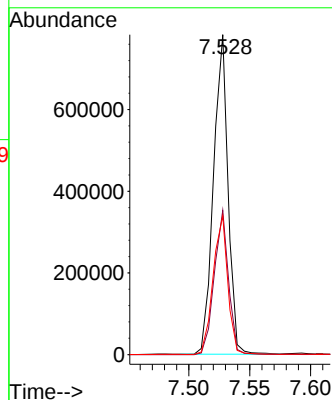
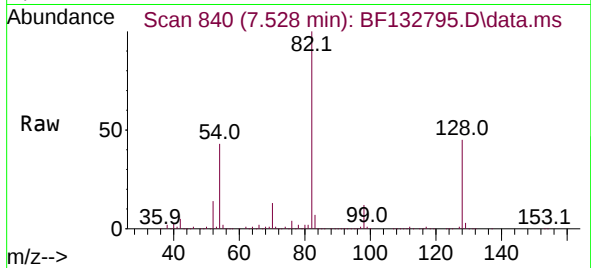
TR-04-031323

Tgt Ion: 82 Resp: 652536
Ion Ratio Lower Upper
82 100
128 45.1 32.2 48.2
54 43.4 38.4 57.6

Manual Integrations

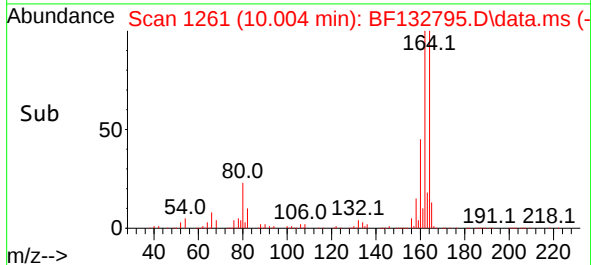
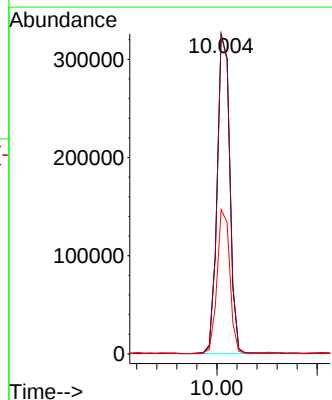
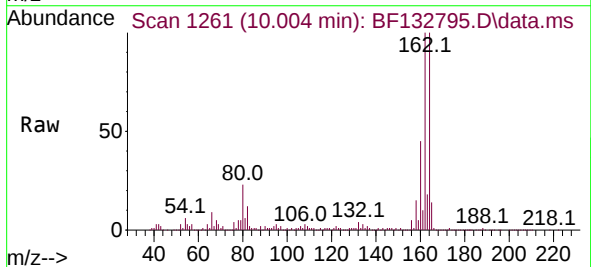
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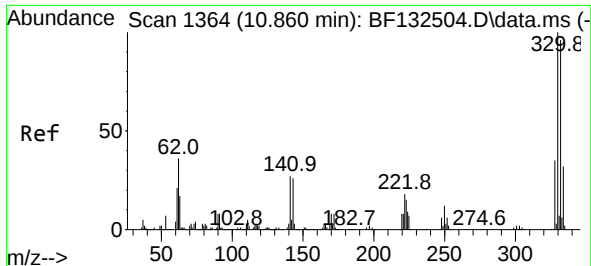
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:164 Resp: 287232
Ion Ratio Lower Upper
164 100
162 99.6 79.8 119.8
160 45.1 35.8 53.6





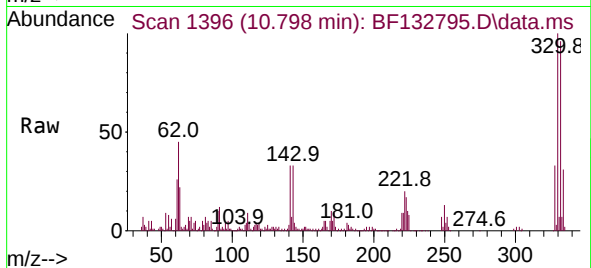
#42
2,4,6-Tribromophenol
Concen: 42.089 ng
RT: 10.798 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323



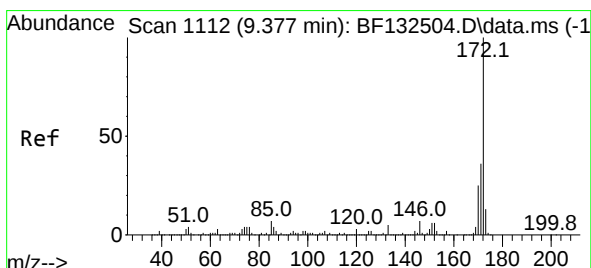
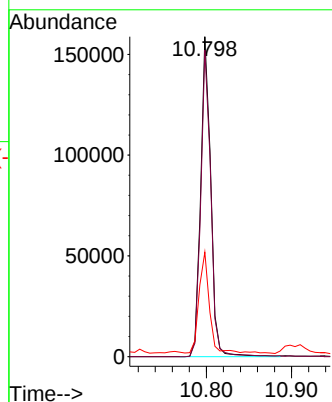
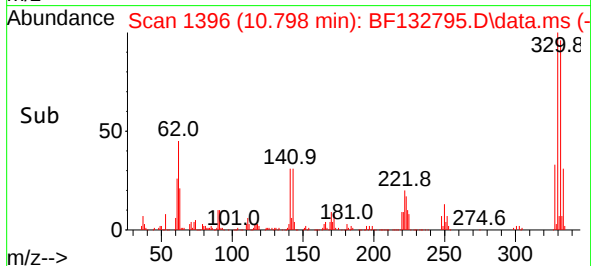
Tgt Ion:330 Resp: 130558
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 32.5 28.4 42.6

Manual Integrations

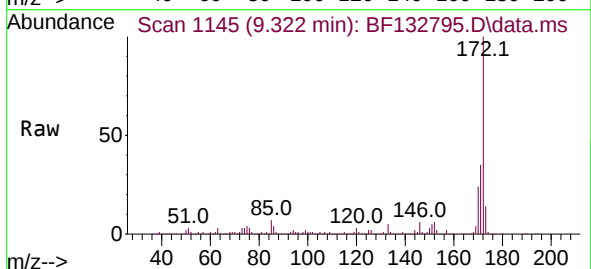
APPROVED

Reviewed By :Yogesh Patel 03/15/2023

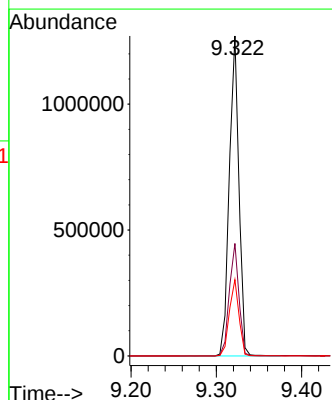
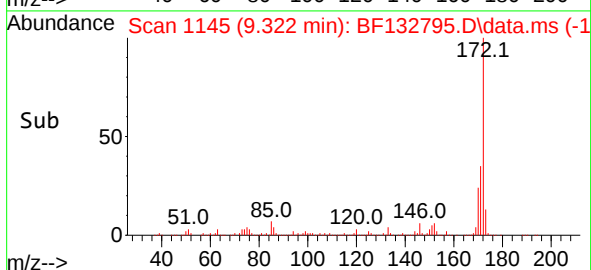
Supervised By :Jagrut Upadhyay 03/15/2023

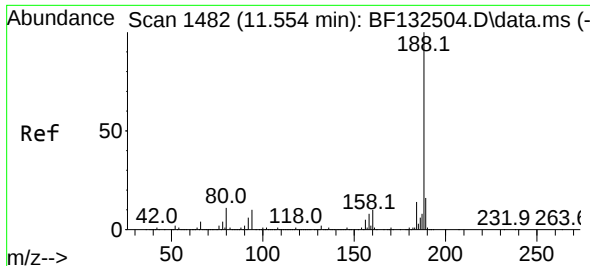


#45
2-Fluorobiphenyl
Concen: 52.809 ng
RT: 9.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09



Tgt Ion:172 Resp: 996179
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.8 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

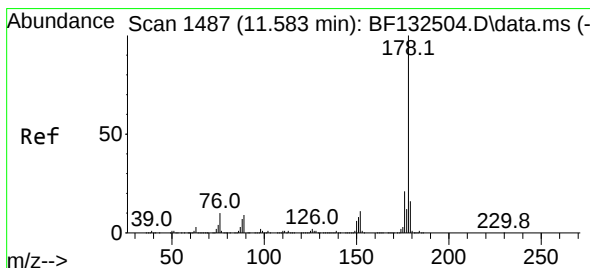
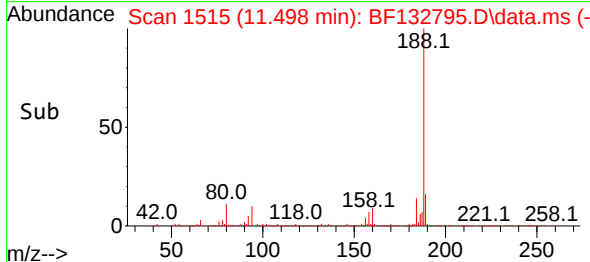
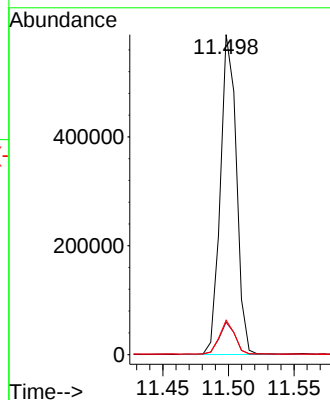
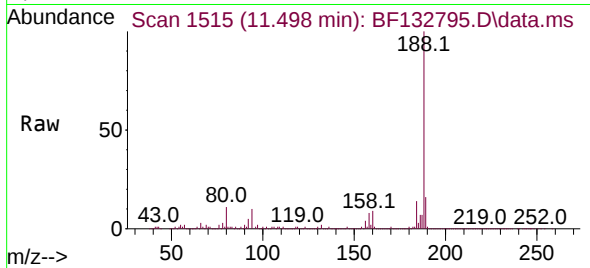
TR-04-031323

Tgt Ion:188 Resp: 50308
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.8 8.7 13.1

Manual Integrations

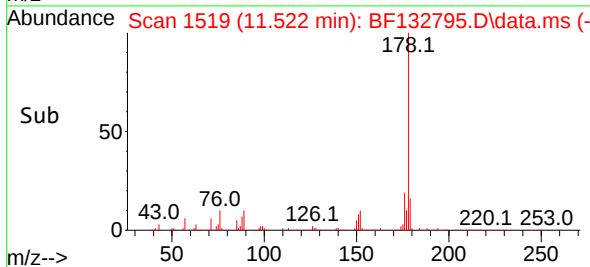
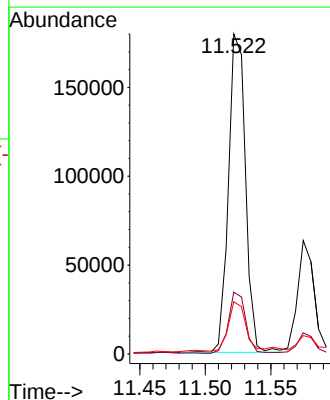
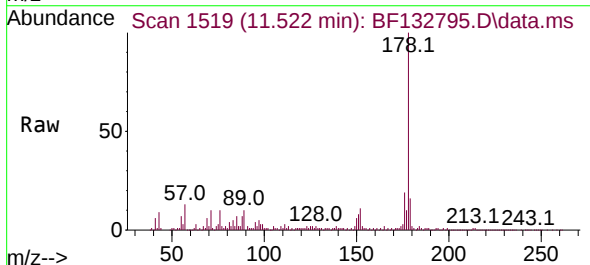
APPROVED

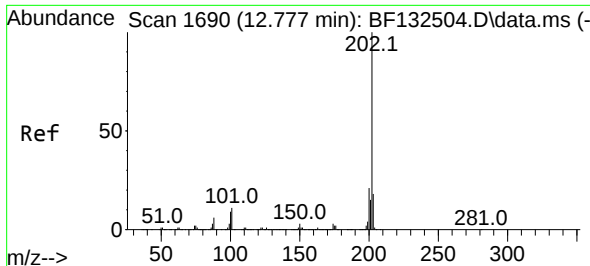
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#71
Phenanthrene
Concen: 6.247 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

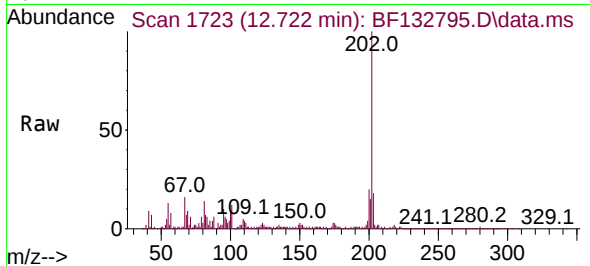
Tgt Ion:178 Resp: 162799
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 16.3 13.0 19.6





#75
Fluoranthene
Concen: 9.678 ng
RT: 12.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

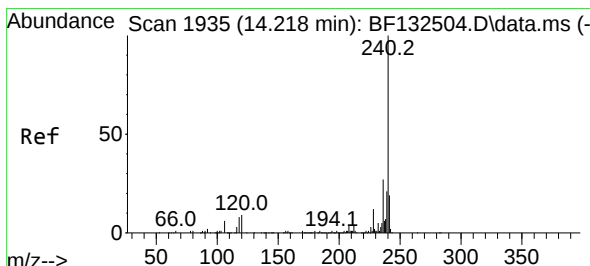
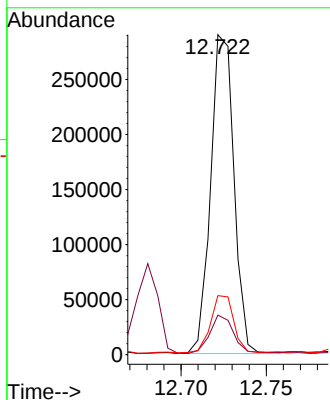
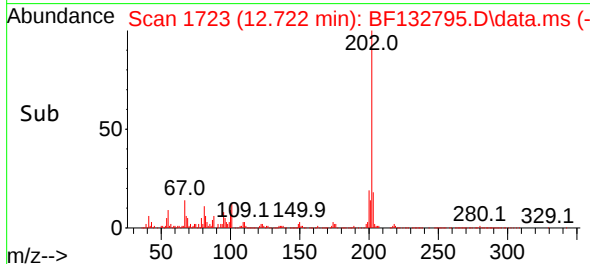
Instrument :
BNA_F
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TR-04-031323



Tgt Ion:202 Resp: 27574
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 18.4 0.0 38.0

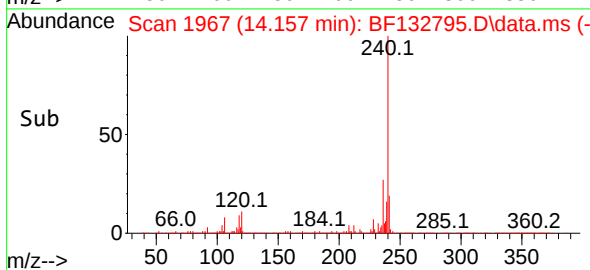
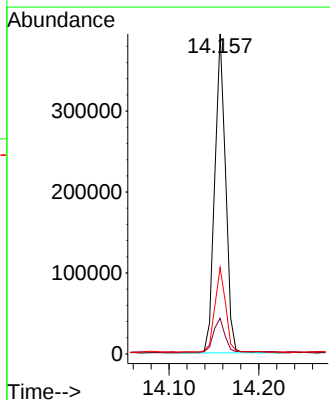
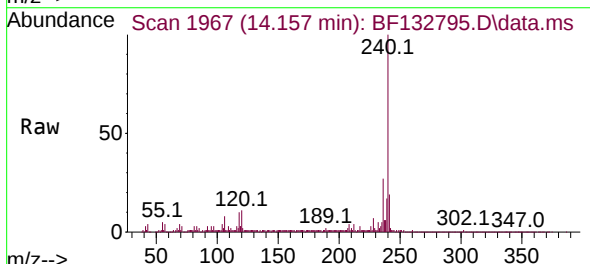
Manual Integrations
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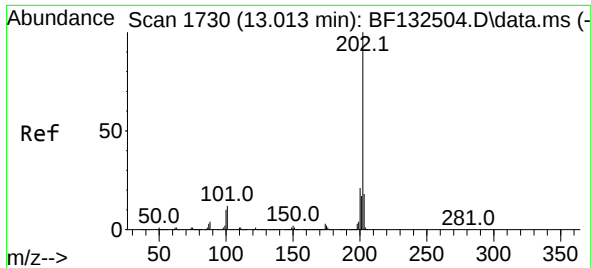
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

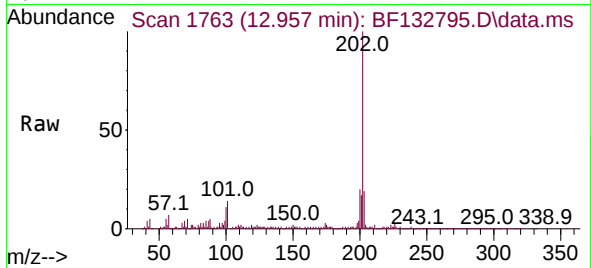
Tgt Ion:240 Resp: 329451
Ion Ratio Lower Upper
240 100
120 11.1 7.2 10.8#
236 27.0 21.8 32.6





#78
Pyrene
Concen: 9.499 ng
RT: 12.957 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

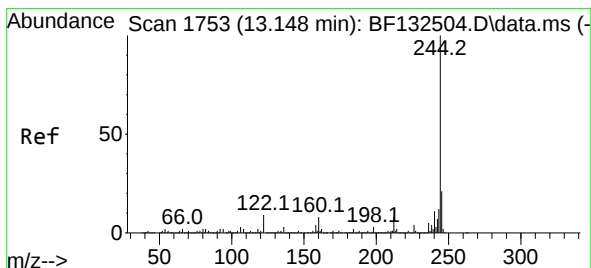
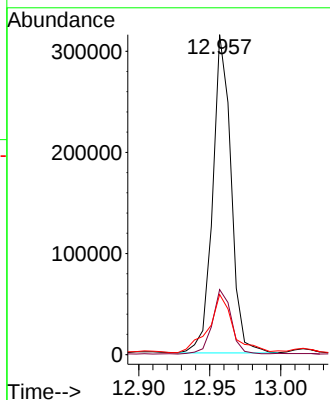
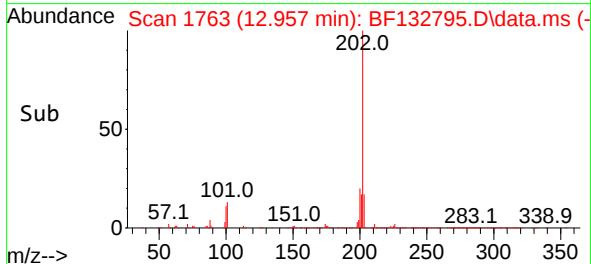
Instrument :
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TR-04-031323



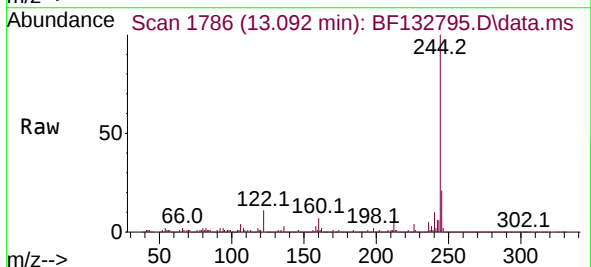
Tgt Ion:202 Resp: 284511
Ion Ratio Lower Upper
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203 18.8 14.6 21.8

Manual Integrations
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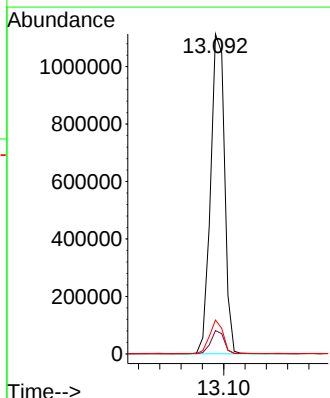
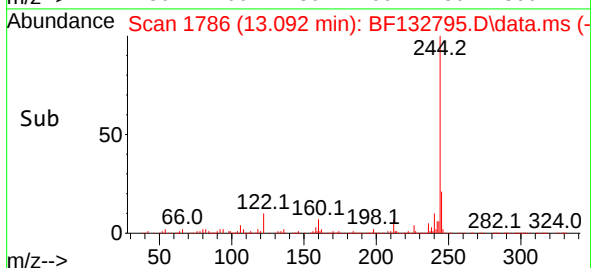
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

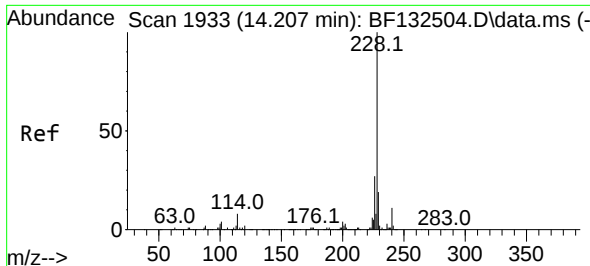


#79
Terphenyl-d14
Concen: 52.241 ng
RT: 13.092 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09



Tgt Ion:244 Resp: 1017944
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 10.6 7.5 11.3





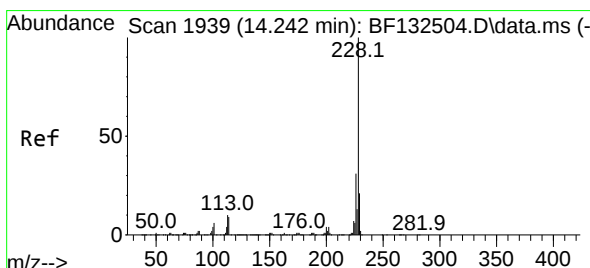
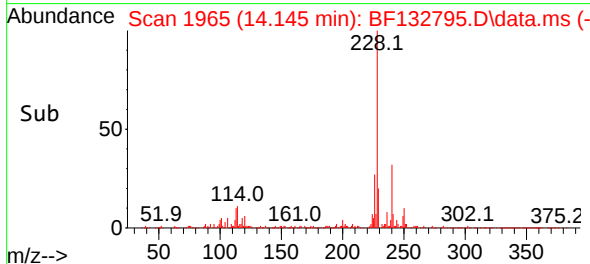
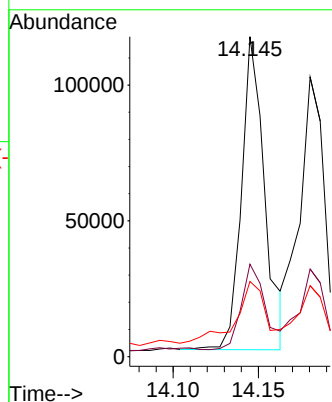
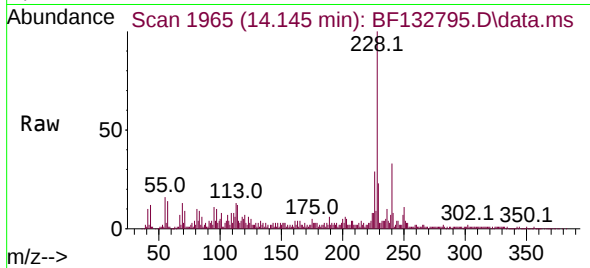
#81
Benzo(a)anthracene
Concen: 4.413 ng
RT: 14.145 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Instrument :
BNA_F
ClientSampleId :
TR-04-031323

Tgt Ion:228 Resp: 108772
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 23.5 15.4 23.2

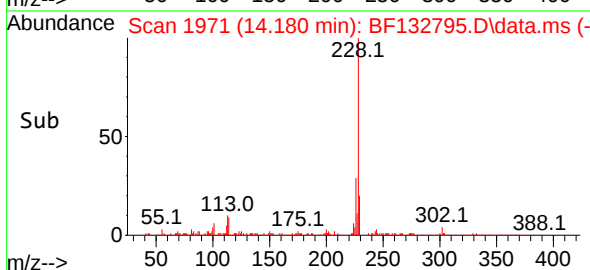
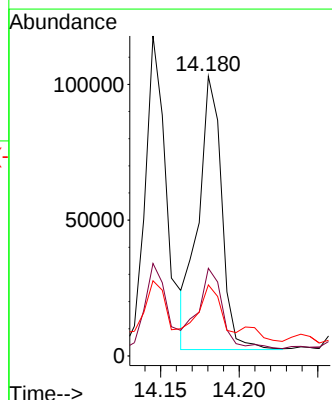
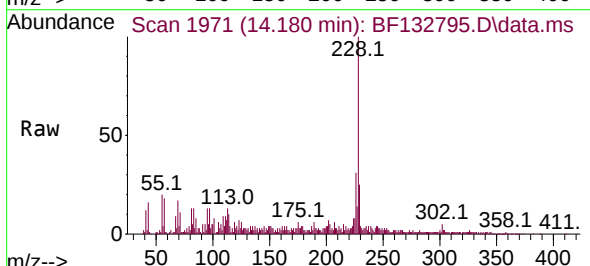
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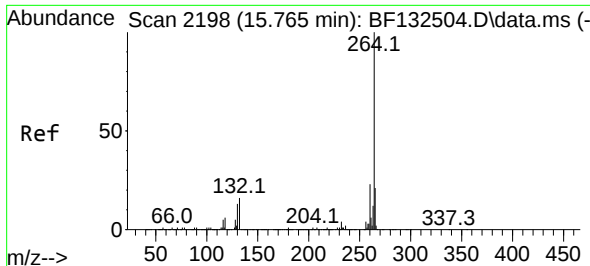
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#83
Chrysene
Concen: 4.535 ng m
RT: 14.180 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

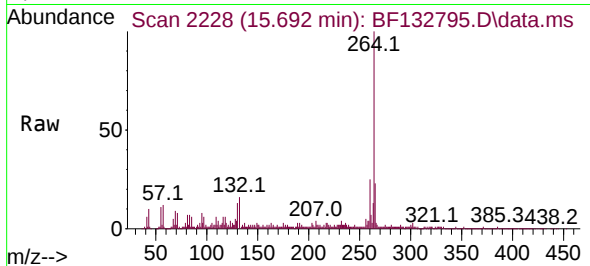
Tgt Ion:228 Resp: 104539
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 25.4 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

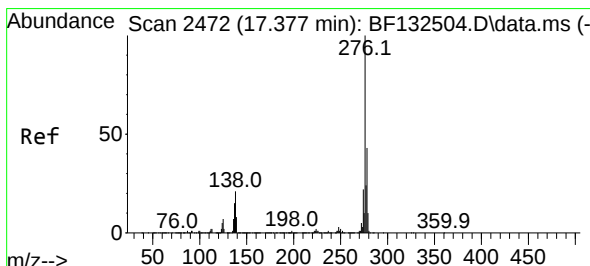
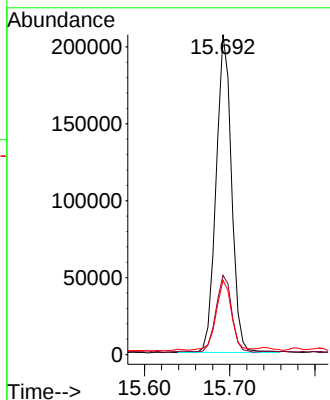
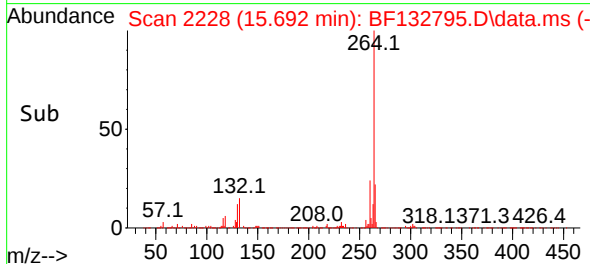
Instrument :
BNA_F
ClientSampleId :
TR-04-031323



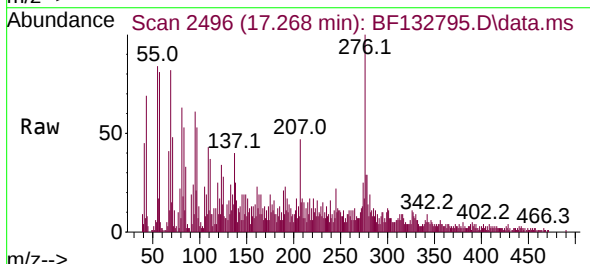
Tgt Ion:264 Resp: 259173
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 23.2 17.1 25.7

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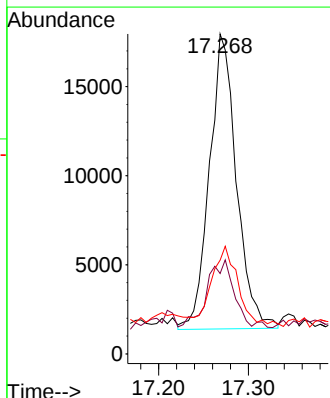
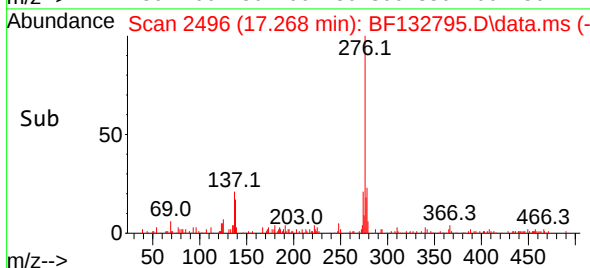
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

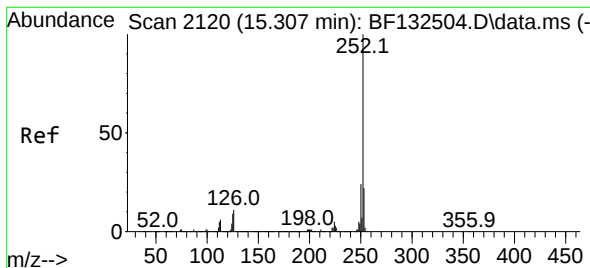


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.052 ng
RT: 17.268 min Scan# 2496
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09



Tgt Ion:276 Resp: 34855
Ion Ratio Lower Upper
276 100
138 22.0 19.0 28.4
277 26.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 5.750 ng m

RT: 15.233 min Scan# 2117

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

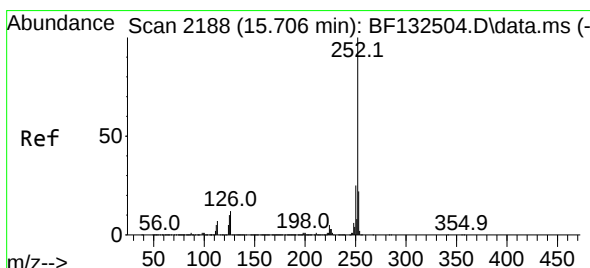
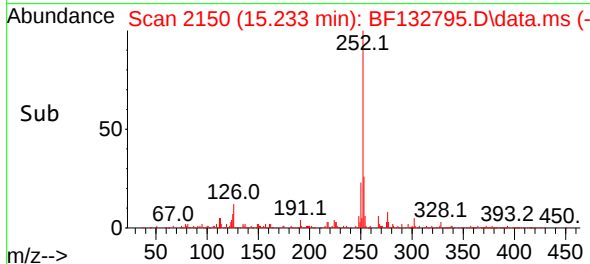
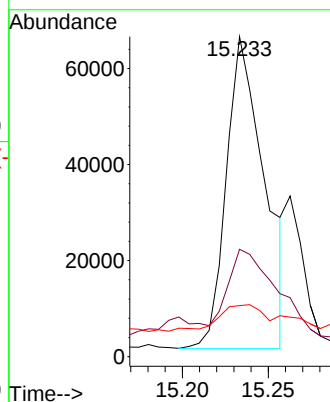
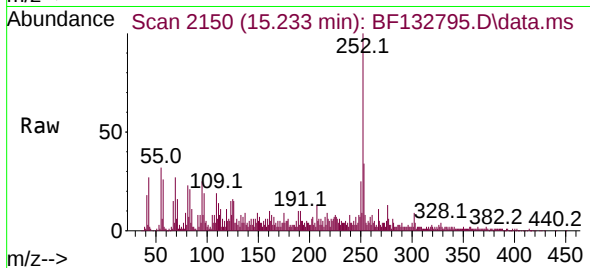
Tgt Ion:252 Resp: 99863
 Ion Ratio Lower Upper
 252 100
 253 33.5 17.4 26.0#
 125 15.9 7.0 10.6#

Manual Integrations

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Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#90

Benzo(a)pyrene

Concen: 4.186 ng

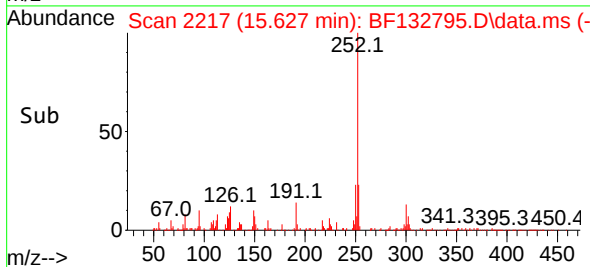
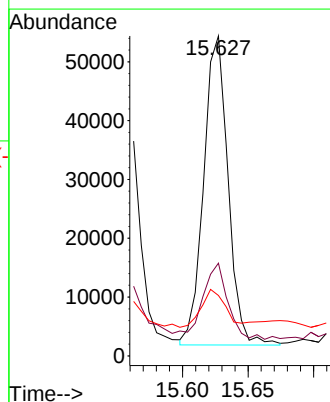
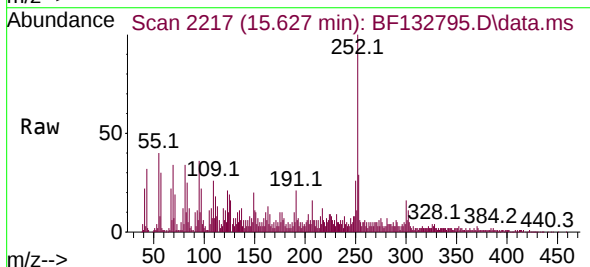
RT: 15.627 min Scan# 2217

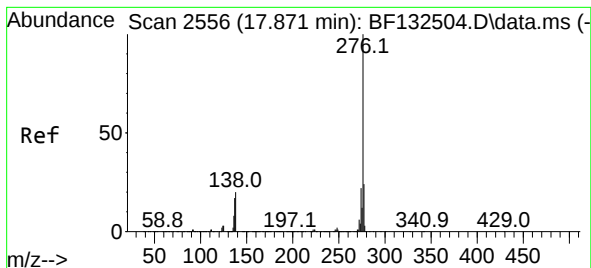
Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Tgt Ion:252 Resp: 68050
 Ion Ratio Lower Upper
 252 100
 253 29.0 17.2 25.8#
 125 18.9 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 3.998 ng

RT: 17.757 min Scan# 2579

Delta R.T. 0.000 min

Lab File: BF132795.D

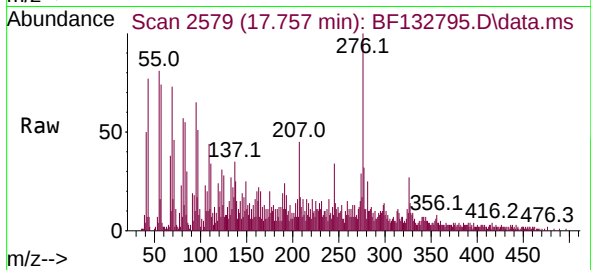
Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323



Tgt Ion:276 Resp: 38580

Ion Ratio Lower Upper

276 100

277 31.8 18.9 28.3

138 24.5 16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023

