

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132794.D
 Acq On : 14 Mar 2023 23:38
 Operator : CG\JU
 Sample : 01905-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-1

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 02:31:33 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	206870	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	750261	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	370608	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	611819	20.000	ng	0.00
76) Chrysene-d12	14.157	240	430285	20.000	ng	0.00
86) Perylene-d12	15.686	264	372630	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	956945	75.076	ng	0.00
7) Phenol-d6	6.592	99	1209929	72.733	ng	-0.01
23) Nitrobenzene-d5	7.528	82	762143	48.196	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	262289	65.533	ng	-0.01
45) 2-Fluorobiphenyl	9.322	172	1200860	49.338	ng	0.00
79) Terphenyl-d14	13.086	244	1039556	40.848	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.869	152	111004	3.136	ng	99
71) Phenanthrene	11.521	178	284601	8.979	ng	97
75) Fluoranthene	12.721	202	936518	27.028	ng	99
78) Pyrene	12.951	202	851709	21.771	ng	99
81) Benzo(a)anthracene	14.145	228	598950	18.604	ng	96
83) Chrysene	14.180	228	600350	19.941	ng	98
87) Indeno(1,2,3-cd)pyrene	17.262	276	241202	9.879	ng	97
88) Benzo(b)fluoranthene	15.233	252	723260m	28.963	ng	
89) Benzo(k)fluoranthene	15.256	252	239151m	9.785	ng	
90) Benzo(a)pyrene	15.621	252	431469	18.461	ng	98
91) Dibenzo(a,h)anthracene	17.268	278	65070	3.271	ng	95
92) Benzo(g,h,i)perylene	17.739	276	208917	10.594	ng	99

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

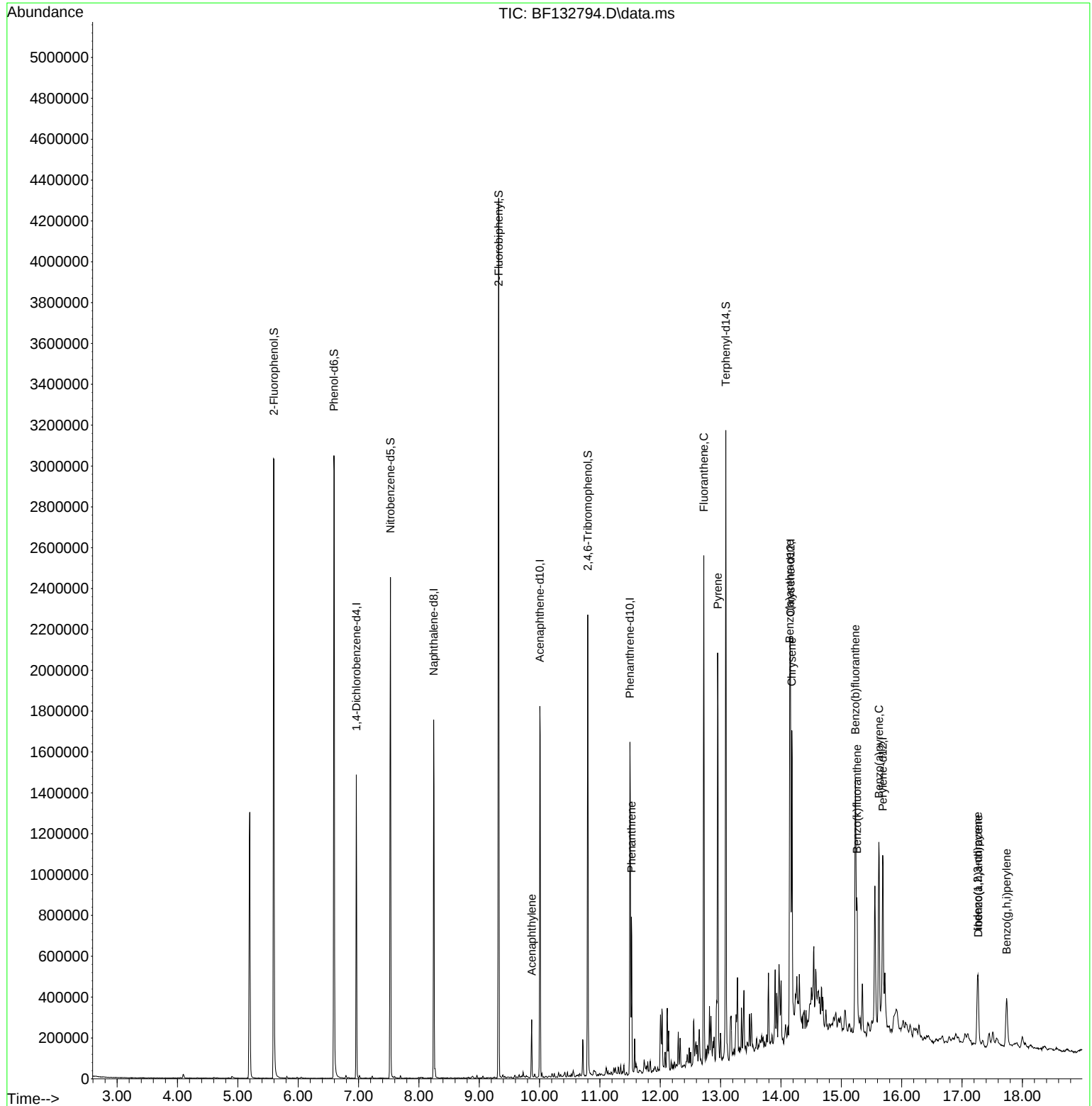
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132794.D
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Sample : 01905-04
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ALS Vial : 21 Sample Multiplier: 1

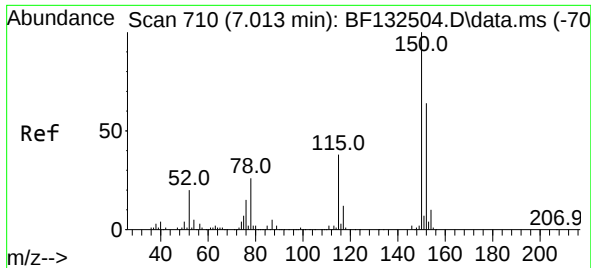
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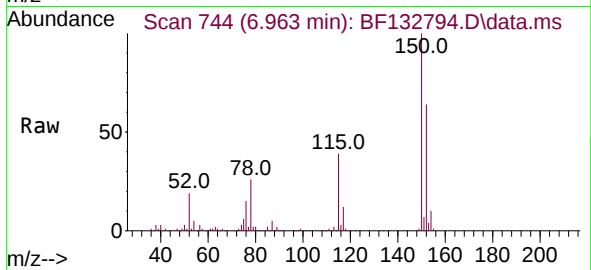
Quant Time: Mar 15 02:31:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 15:35:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

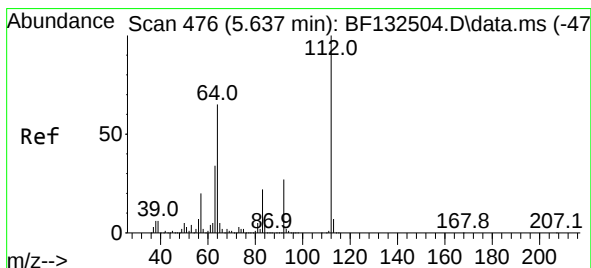
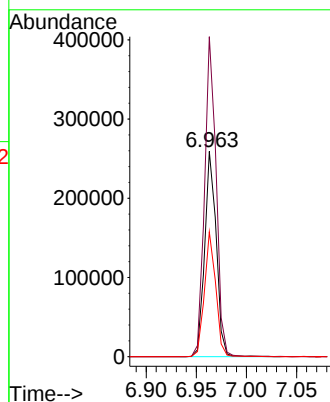
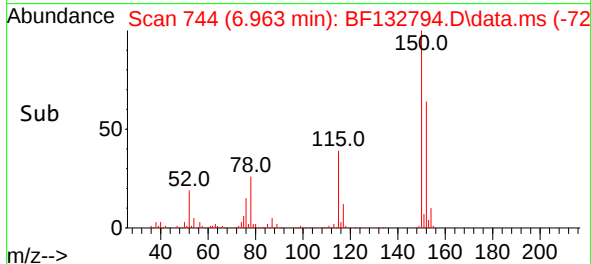
Instrument :
BNA_F
ClientSampleId :
MAPLE-1



Tgt Ion:152 Resp: 206870
Ion Ratio Lower Upper
152 100
150 156.0 125.4 188.2
115 60.8 47.8 71.6

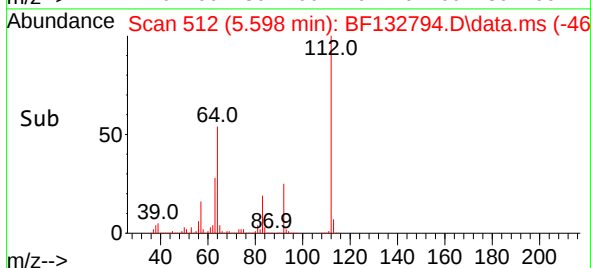
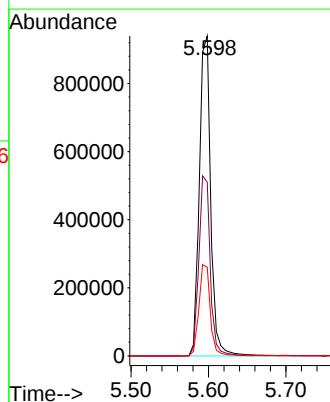
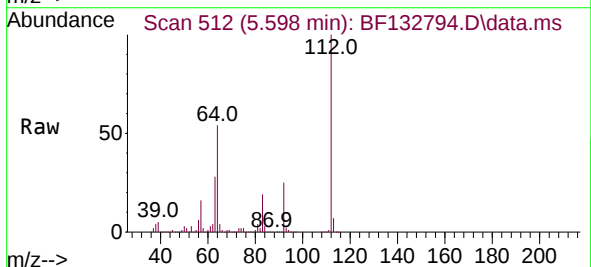
Manual Integrations
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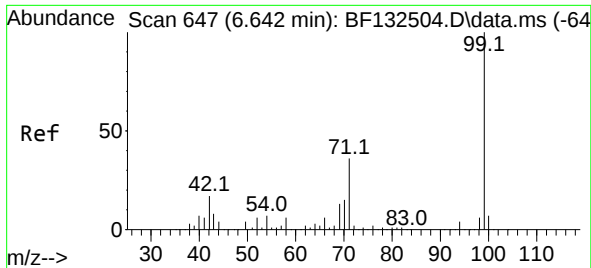
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#5
2-Fluorophenol
Concen: 75.076 ng
RT: 5.598 min Scan# 512
Delta R.T. 0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Tgt Ion:112 Resp: 956945
Ion Ratio Lower Upper
112 100
64 54.3 51.6 77.4
63 27.7 27.4 41.2





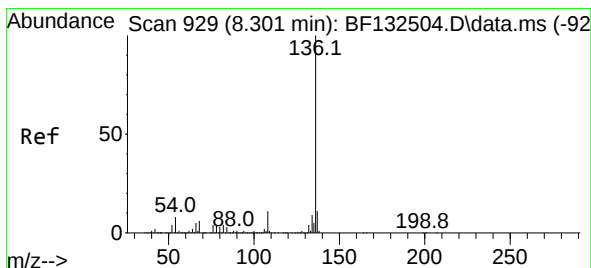
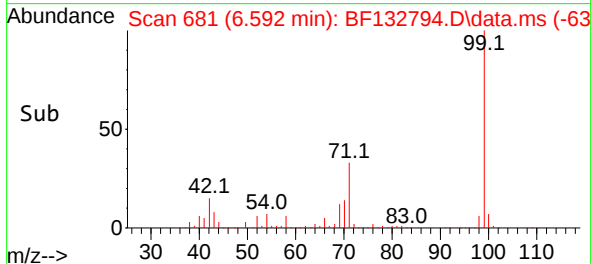
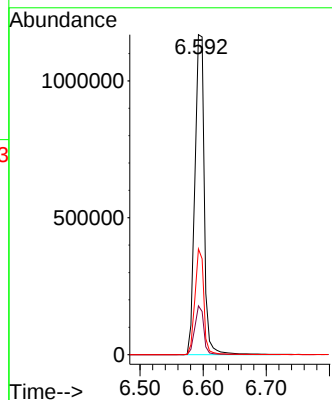
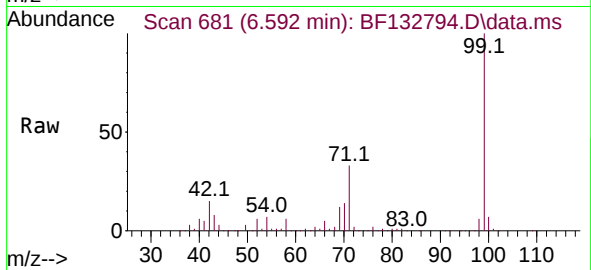
#7
Phenol-d6
Concen: 72.733 ng
RT: 6.592 min Scan# 681
Delta R.T. -0.012 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Instrument :
BNA_F
ClientSampleId :
MAPLE-1

Tgt Ion: 99 Resp: 1209929
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 33.0 28.5 42.7

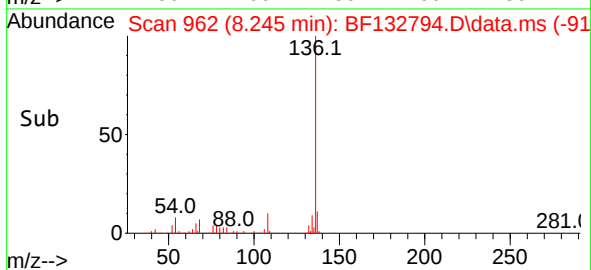
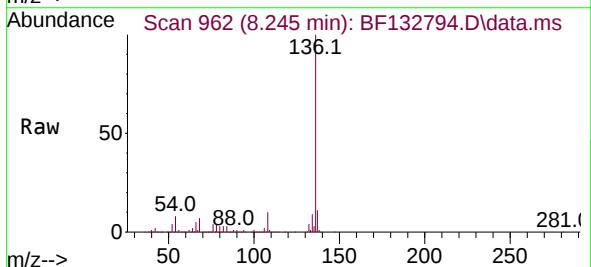
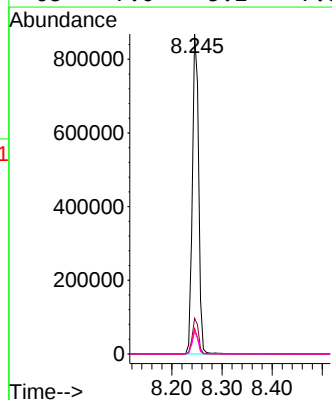
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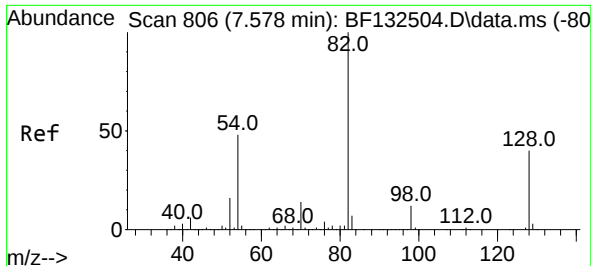
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Tgt Ion:136 Resp: 750261
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.9 6.2 9.4
68 7.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 48.196 ng

RT: 7.528 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

Instrument :

BNA_F

ClientSampleId :

MAPLE-1

Tgt Ion: 82 Resp: 762143

Ion Ratio Lower Upper

82 100

128 43.2 32.2 48.2

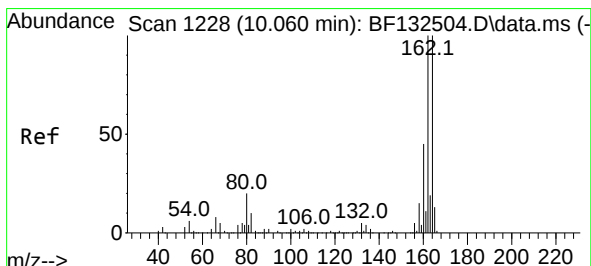
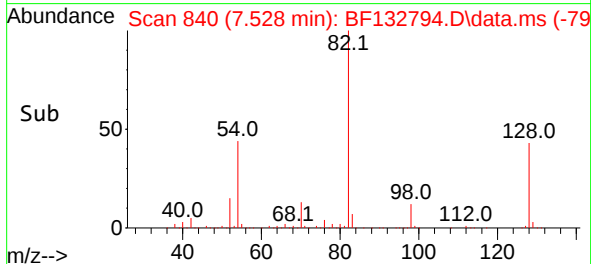
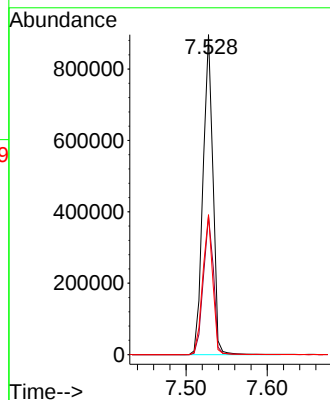
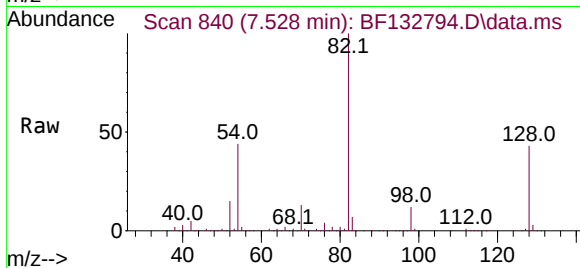
54 43.7 38.4 57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

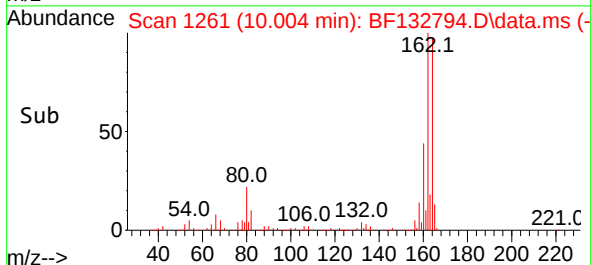
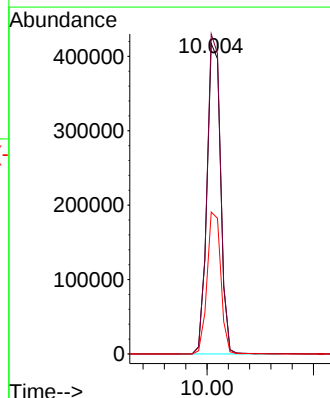
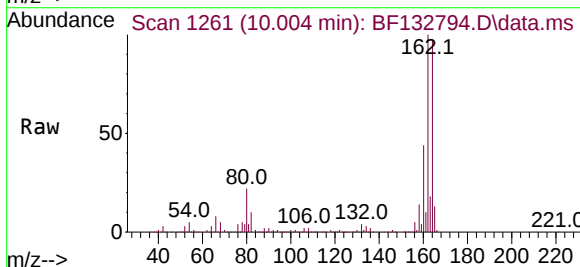
Tgt Ion:164 Resp: 370608

Ion Ratio Lower Upper

164 100

162 103.1 79.8 119.8

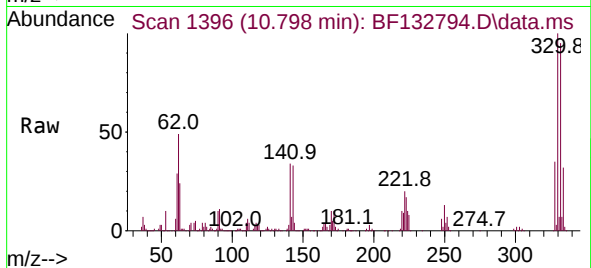
160 45.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 65.533 ng
RT: 10.798 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

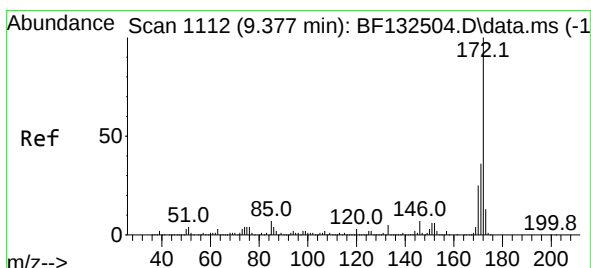
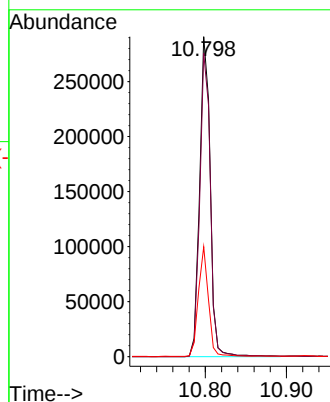
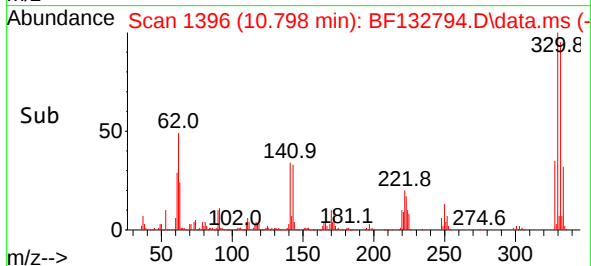
Instrument :
BNA_F
ClientSampleId :
MAPLE-1



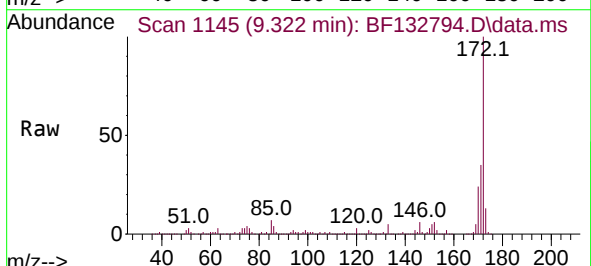
Tgt Ion: 330 Resp: 262289
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 32.4 28.4 42.6

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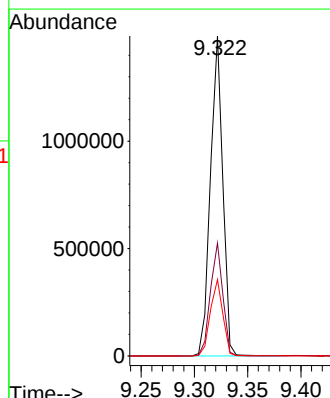
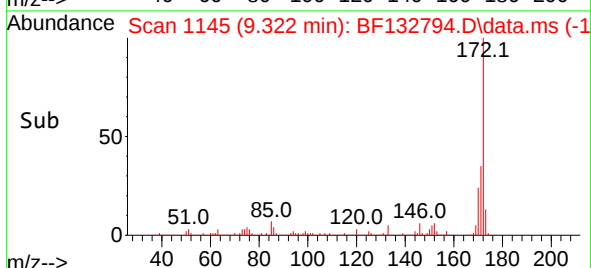
Reviewed By : Yogesh Patel 03/15/2023
Supervised By : Jagrut Upadhyay 03/15/2023

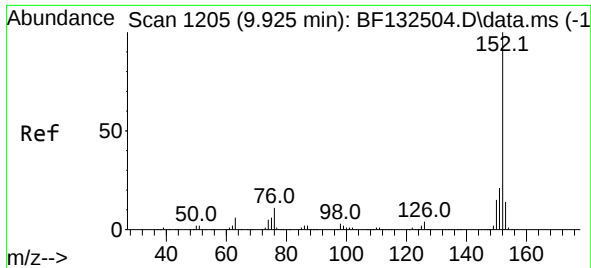


#45
2-Fluorobiphenyl
Concen: 49.338 ng
RT: 9.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38



Tgt Ion: 172 Resp: 1200860
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.8 19.7 29.5





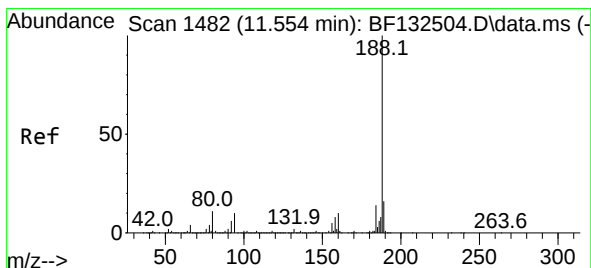
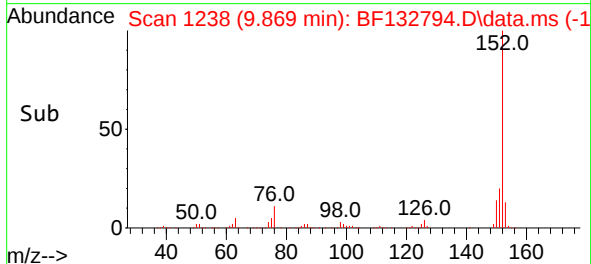
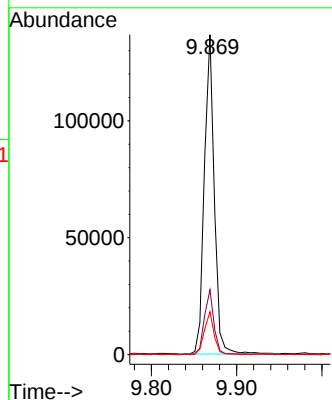
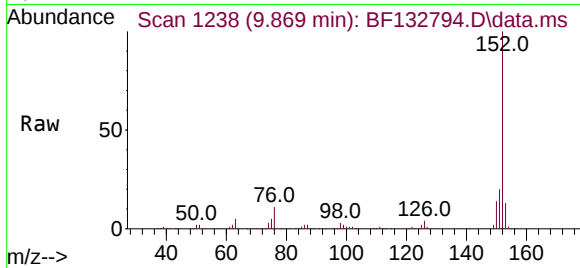
#49
Acenaphthylene
Concen: 3.136 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Instrument :
BNA_F
ClientSampleId :
MAPLE-1

Tgt Ion:152 Resp: 111004
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.4 11.0 16.6

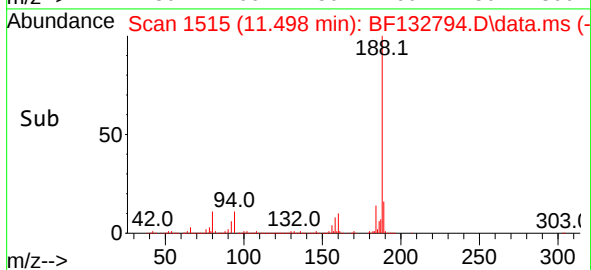
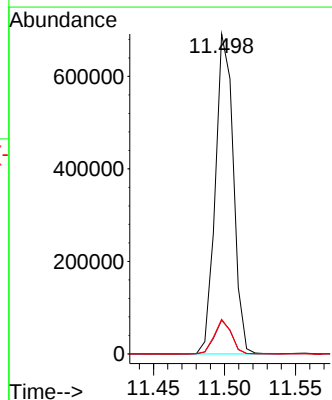
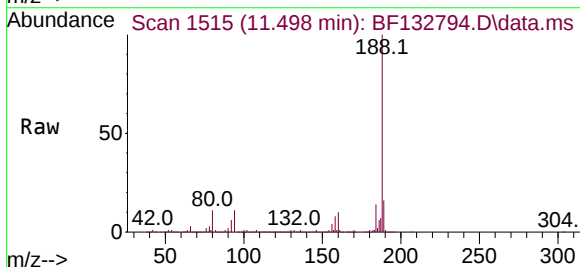
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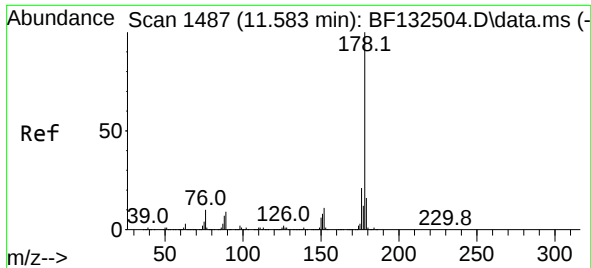
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Tgt Ion:188 Resp: 611819
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 10.8 8.7 13.1





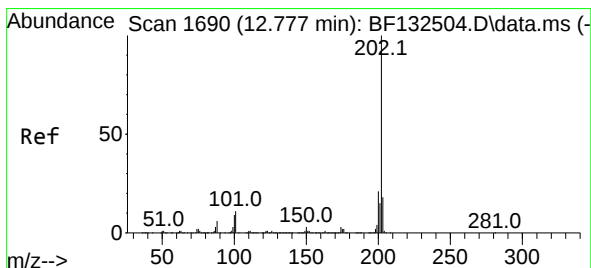
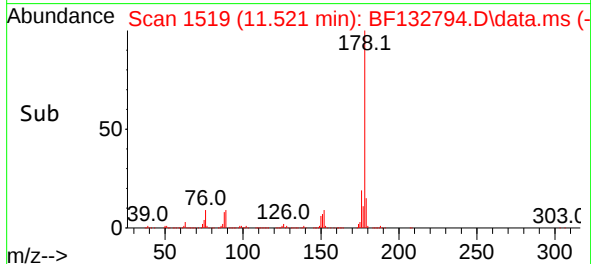
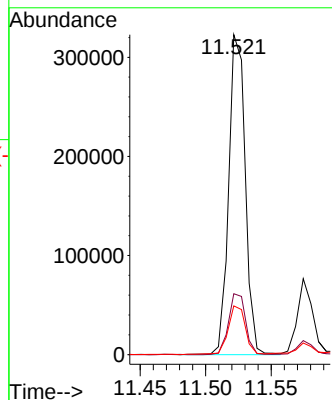
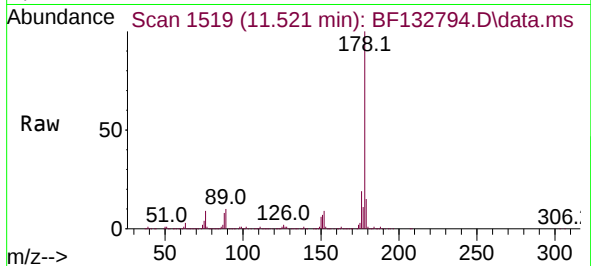
#71
Phenanthrene
Concen: 8.979 ng
RT: 11.521 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Instrument :
BNA_F
ClientSampleId :
MAPLE-1

Tgt Ion:178 Resp: 284601
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.2 13.0 19.6

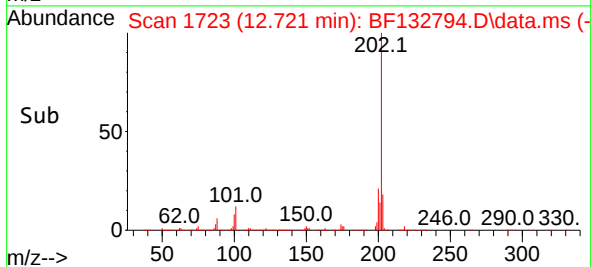
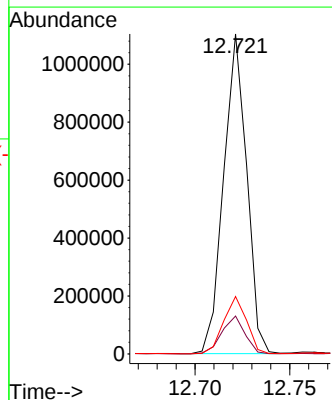
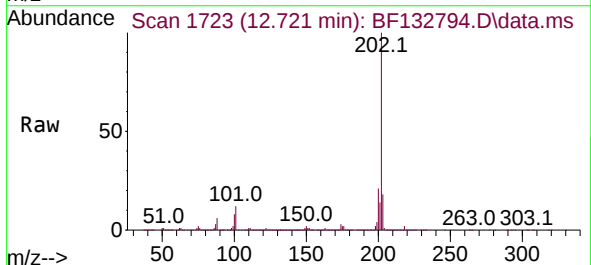
Manual Integrations
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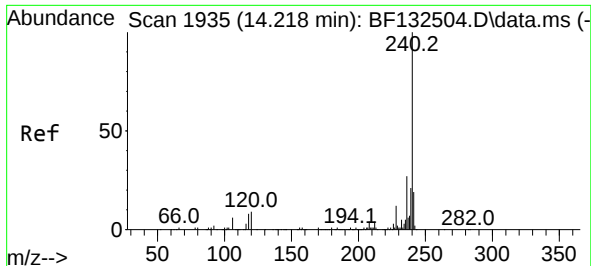
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#75
Fluoranthene
Concen: 27.028 ng
RT: 12.721 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

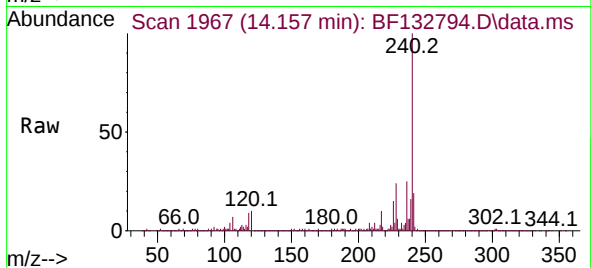
Tgt Ion:202 Resp: 936518
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 17.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

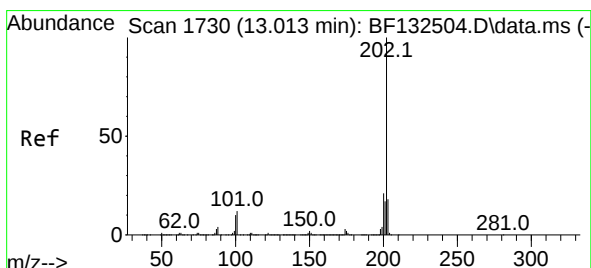
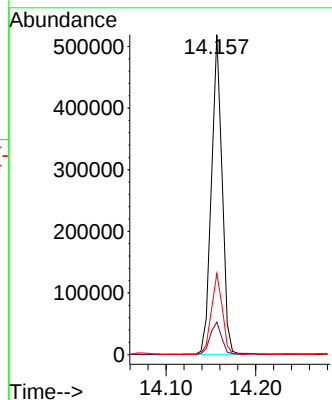
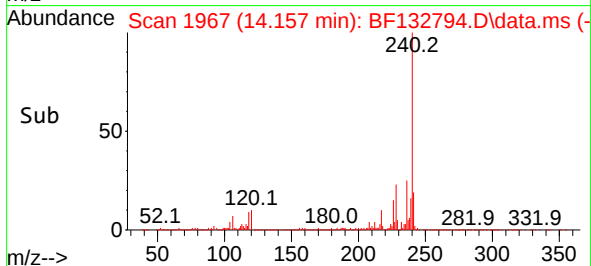
Instrument :
BNA_F
ClientSampleId :
MAPLE-1



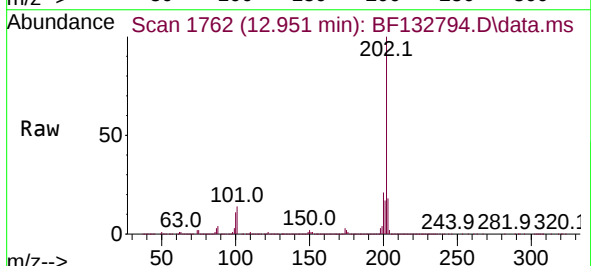
Tgt Ion:240 Resp: 430285
Ion Ratio Lower Upper
240 100
120 10.2 7.2 10.8
236 25.3 21.8 32.6

Manual Integrations
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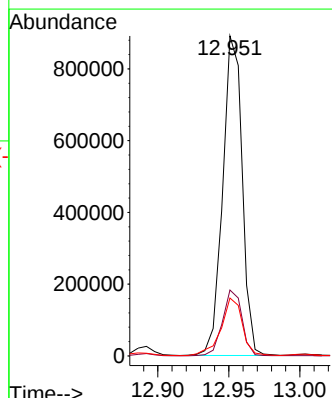
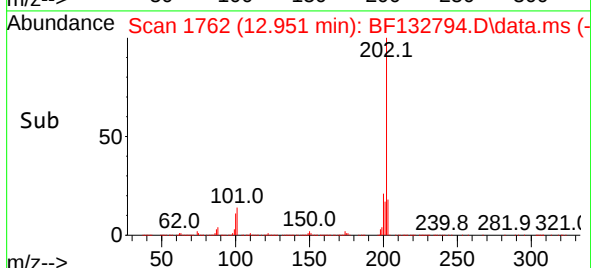
Reviewed By :Yogesh Patel 03/15/2023
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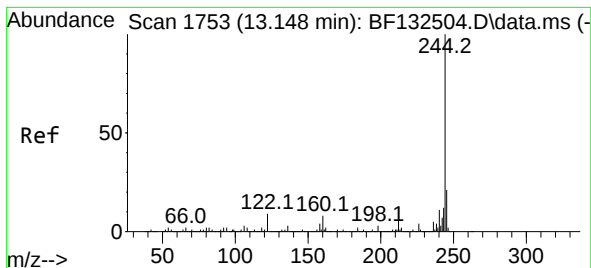


#78
Pyrene
Concen: 21.771 ng
RT: 12.951 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38



Tgt Ion:202 Resp: 851709
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 18.1 14.6 21.8





#79

Terphenyl-d14

Concen: 40.848 ng

RT: 13.086 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

Instrument :

BNA_F

ClientSampleId :

MAPLE-1

Tgt Ion:244 Resp: 1039556

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

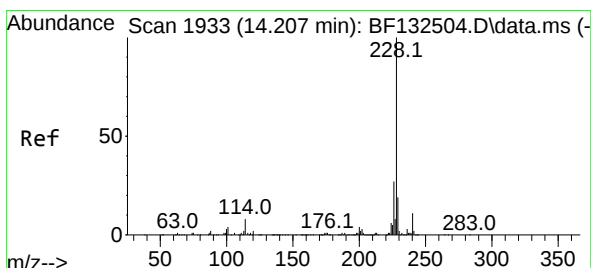
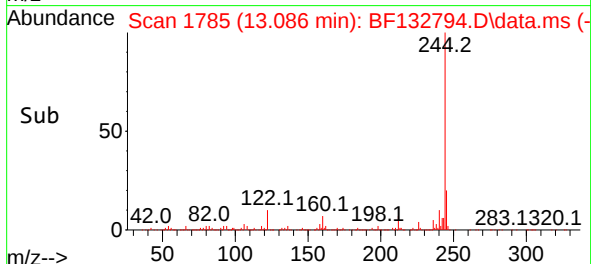
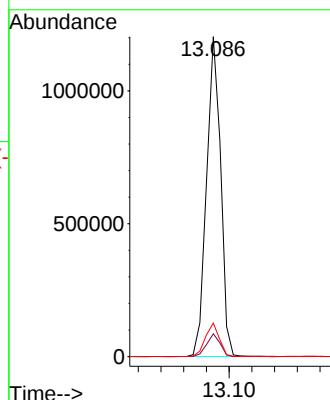
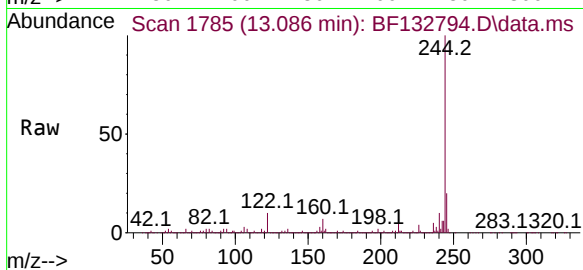
122 10.5 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#81

Benzo(a)anthracene

Concen: 18.604 ng

RT: 14.145 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

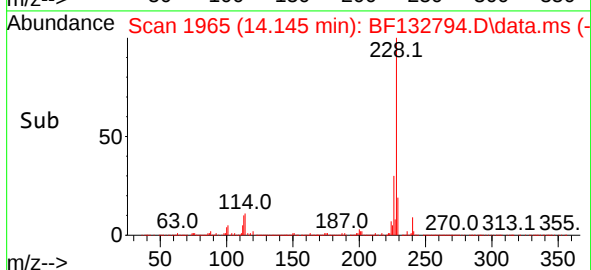
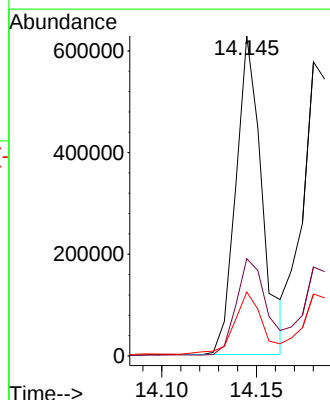
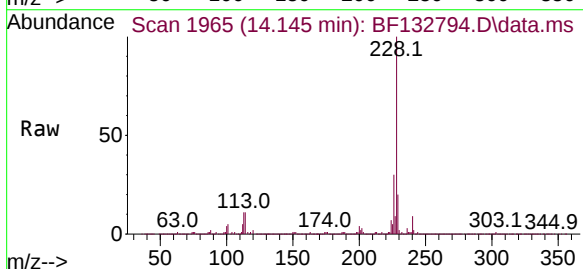
Tgt Ion:228 Resp: 598950

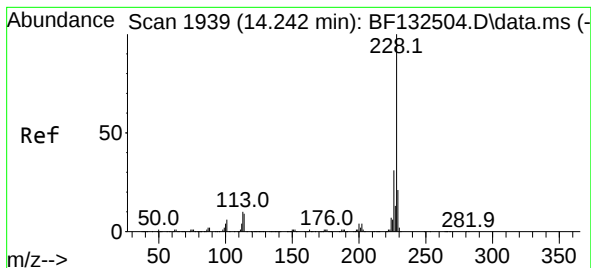
Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

229 20.0 15.4 23.2





#83

Chrysene

Concen: 19.941 ng

RT: 14.180 min Scan# 1939

Delta R.T. -0.012 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

Instrument :

BNA_F

ClientSampleId :

MAPLE-1

Tgt Ion:228 Resp: 600350

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

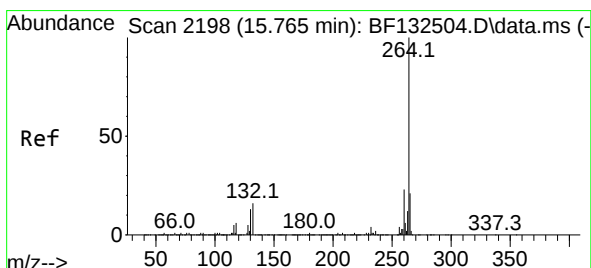
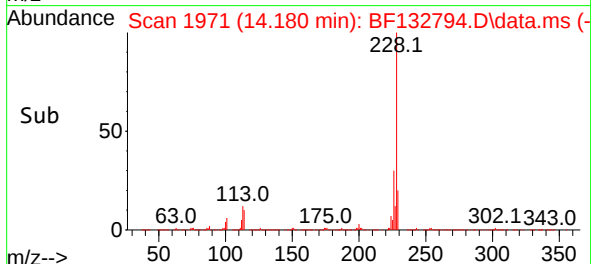
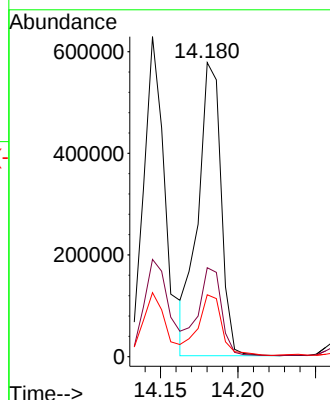
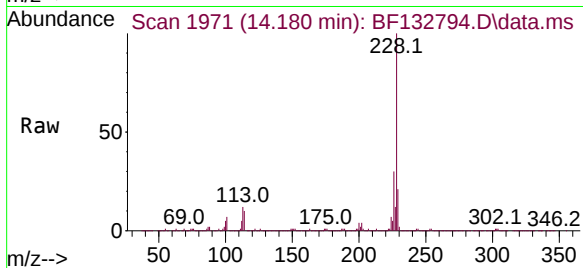
229 21.1 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2227

Delta R.T. -0.006 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

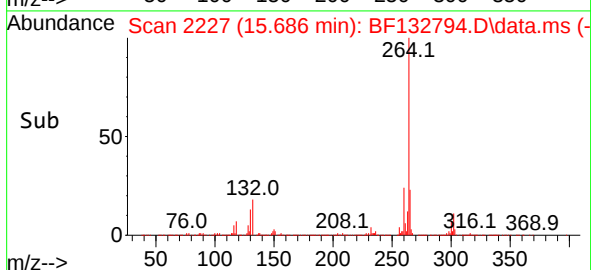
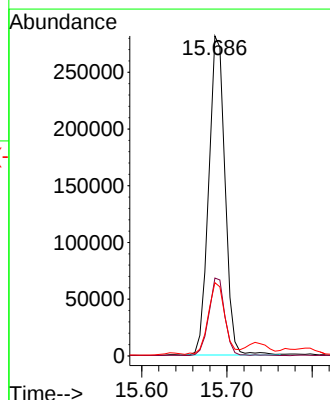
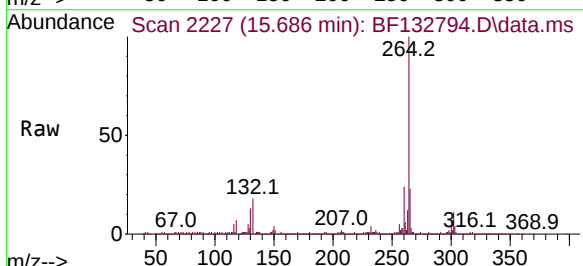
Tgt Ion:264 Resp: 372630

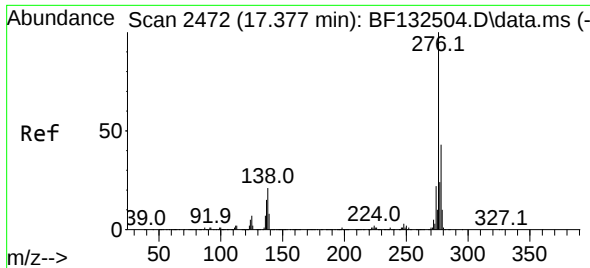
Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

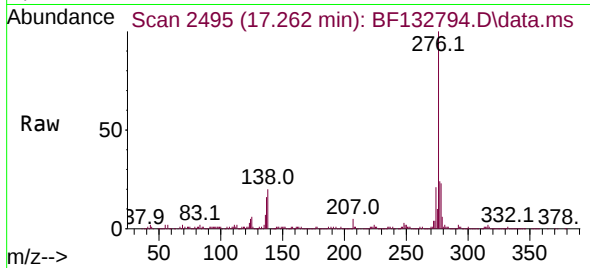
265 22.9 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.879 ng
RT: 17.262 min Scan# 2472
Delta R.T. -0.012 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

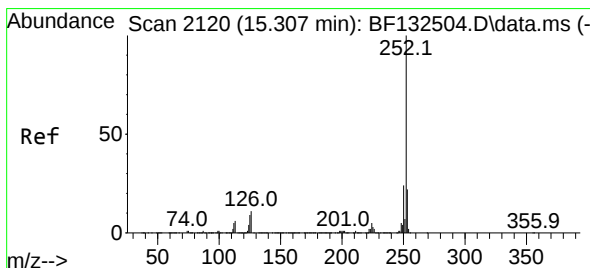
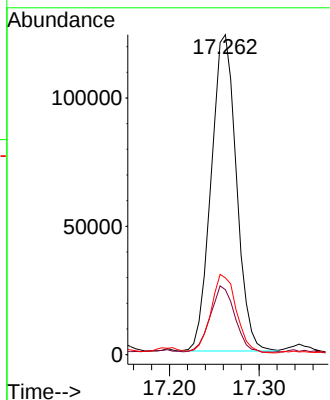
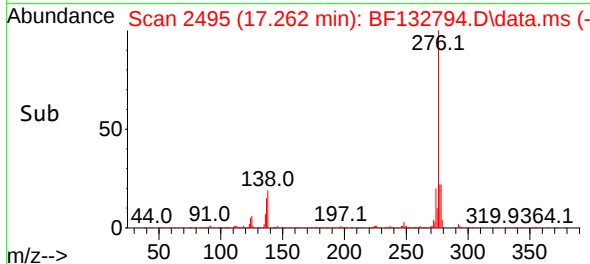
Instrument :
BNA_F
ClientSampleId :
MAPLE-1



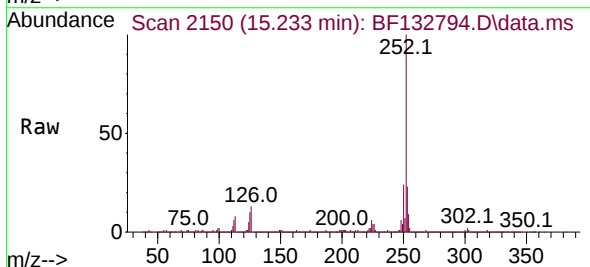
Tgt Ion:276 Resp: 241202
Ion Ratio Lower Upper
276 100
138 20.7 19.0 28.4
277 25.0 20.0 30.0

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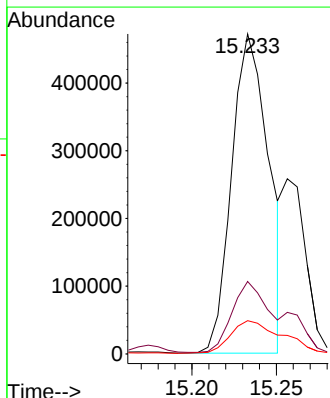
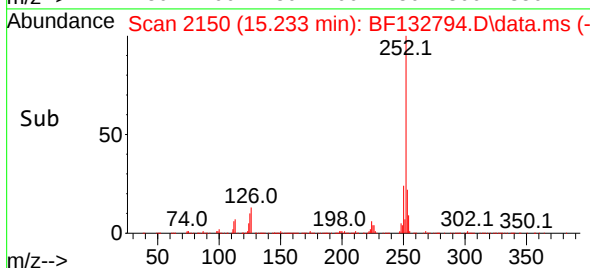
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

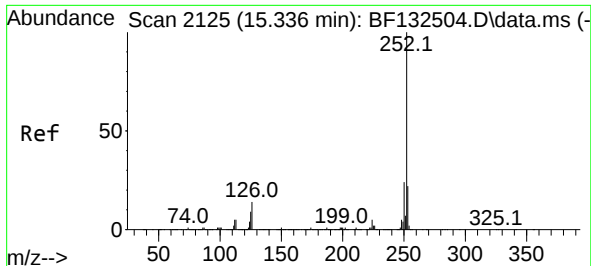


#88
Benzo(b)fluoranthene
Concen: 28.963 ng m
RT: 15.233 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38



Tgt Ion:252 Resp: 723260
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 9.785 ng m

RT: 15.256 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

Instrument :

BNA_F

ClientSampleId :

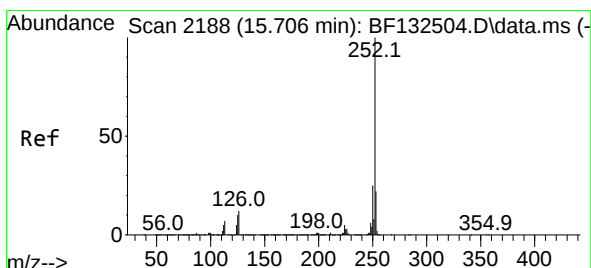
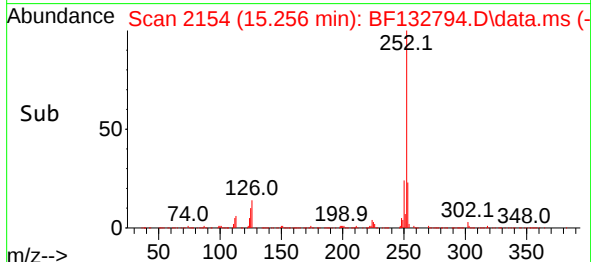
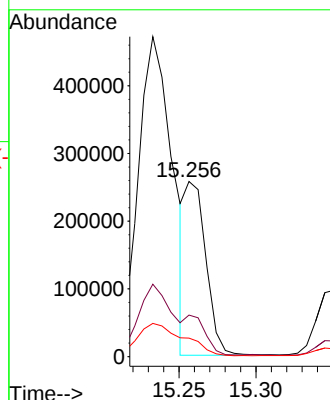
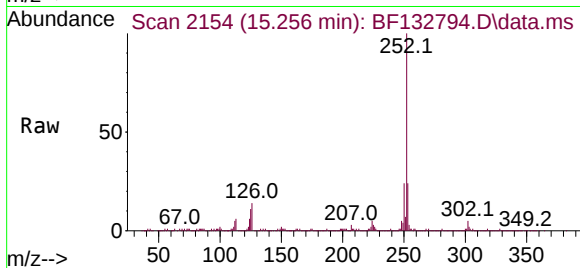
MAPLE-1

Tgt Ion:252 Resp: 23915
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.5 26.3
 125 10.5 7.2 10.8

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: 18.461 ng

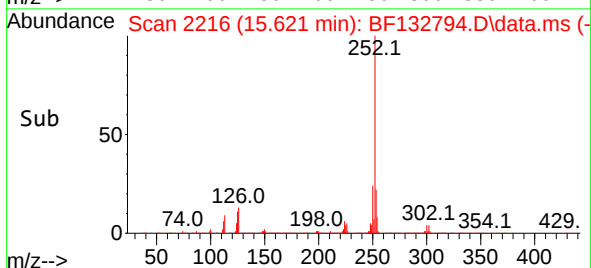
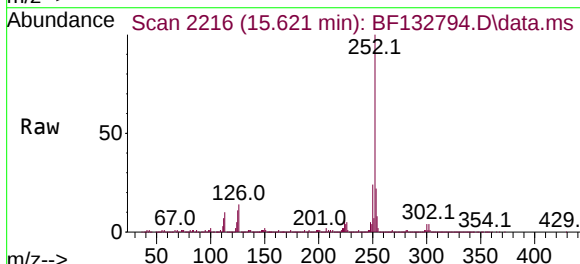
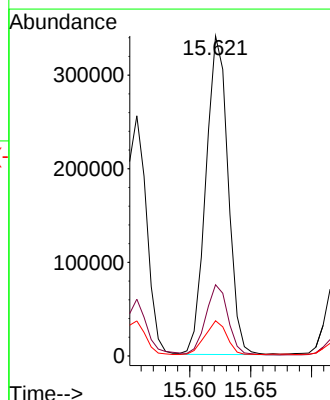
RT: 15.621 min Scan# 2216

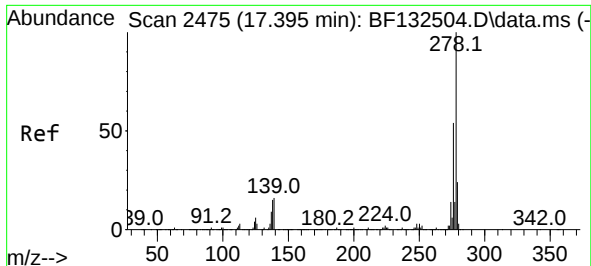
Delta R.T. -0.006 min

Lab File: BF132794.D

Acq: 14 Mar 2023 23:38

Tgt Ion:252 Resp: 431469
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.2 25.8
 125 11.0 8.0 12.0





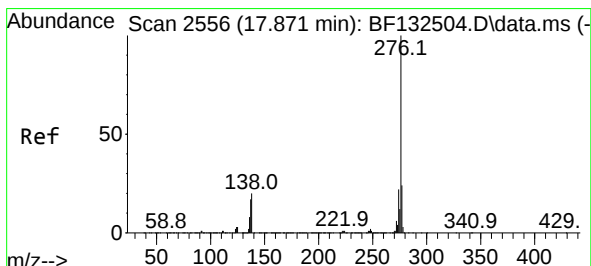
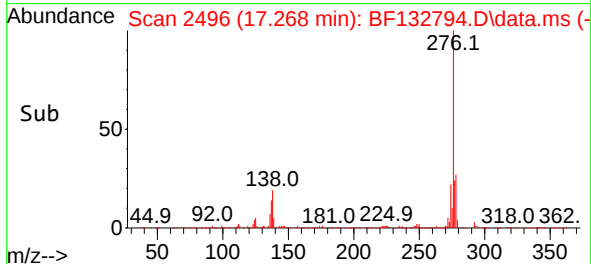
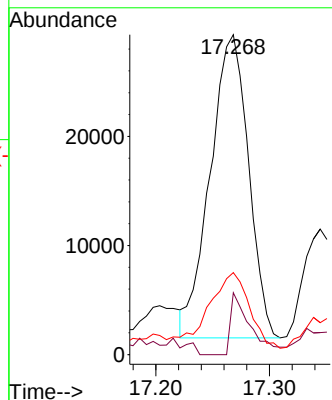
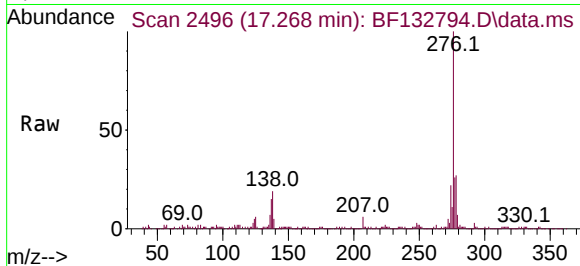
#91
Dibenzo(a,h)anthracene
Concen: 3.271 ng
RT: 17.268 min Scan# 2475
Delta R.T. -0.018 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Instrument :
BNA_F
ClientSampleId :
MAPLE-1

Tgt Ion:278 Resp: 65070
Ion Ratio Lower Upper
278 100
139 19.3 13.0 19.4
279 25.6 19.0 28.4

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



#92
Benzo(g,h,i)perylene
Concen: 10.594 ng
RT: 17.739 min Scan# 2576
Delta R.T. -0.018 min
Lab File: BF132794.D
Acq: 14 Mar 2023 23:38

Tgt Ion:276 Resp: 208917
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 20.6 16.2 24.4

