

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132792.D
 Acq On : 14 Mar 2023 22:35
 Operator : CG\JU
 Sample : 01905-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-2

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 02:30:54 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	212705	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	776809	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	390904	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	629577	20.000	ng	0.00
76) Chrysene-d12	14.157	240	404845	20.000	ng	# 0.00
86) Perylene-d12	15.692	264	407596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1376947	105.063	ng	0.01
7) Phenol-d6	6.598	99	1750190	102.324	ng	0.00
23) Nitrobenzene-d5	7.534	82	1145050	69.935	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	404981	95.931	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1794131	69.886	ng	0.00
79) Terphenyl-d14	13.092	244	1560342	65.164	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.869	152	112834	3.022	ng	100
71) Phenanthrene	11.528	178	825029	25.296	ng	98
72) Anthracene	11.575	178	129018	3.841	ng	97
75) Fluoranthene	12.722	202	1417608	39.759	ng	98
78) Pyrene	12.957	202	1310301	35.599	ng	100
81) Benzo(a)anthracene	14.145	228	764181	25.228	ng	96
83) Chrysene	14.186	228	729737	25.762	ng	98
87) Indeno(1,2,3-cd)pyrene	17.257	276	316510	11.851	ng	97
88) Benzo(b)fluoranthene	15.233	252	906495m	33.187	ng	
89) Benzo(k)fluoranthene	15.263	252	338703m	12.670	ng	
90) Benzo(a)pyrene	15.621	252	605405	23.681	ng	98
91) Dibenzo(a,h)anthracene	17.262	278	81277m	3.735	ng	
92) Benzo(g,h,i)perylene	17.739	276	276194	12.468	ng	100

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

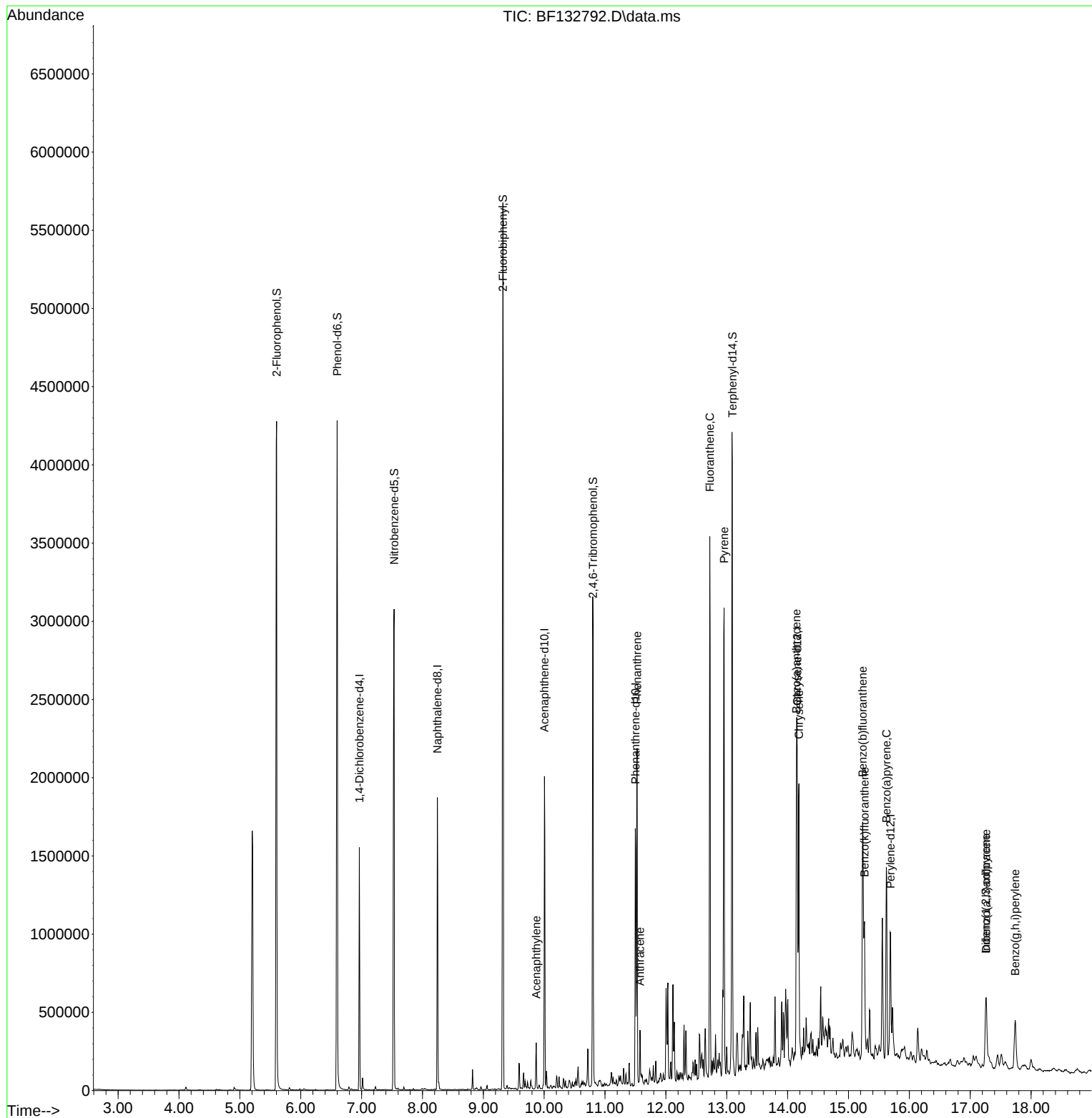
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132792.D
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ALS Vial : 19 Sample Multiplier: 1

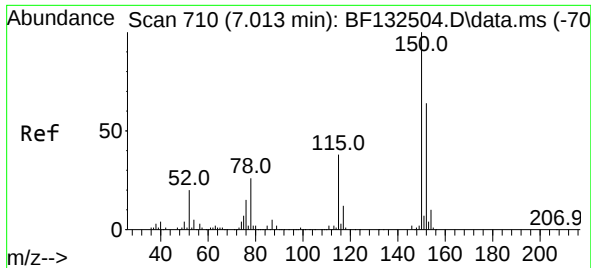
Instrument :
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Quant Time: Mar 15 02:30:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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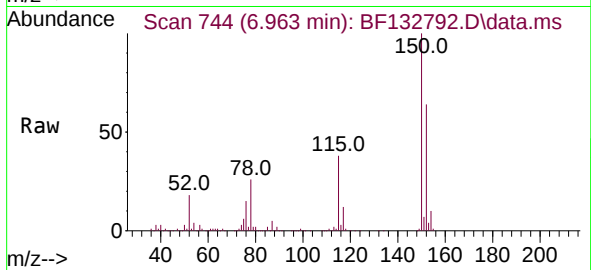
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

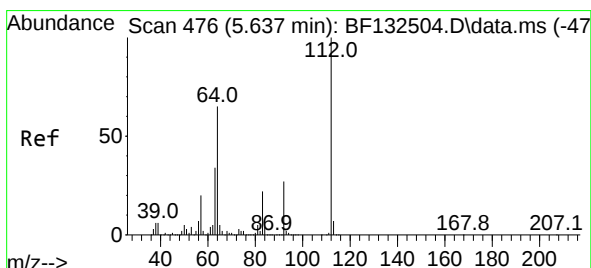
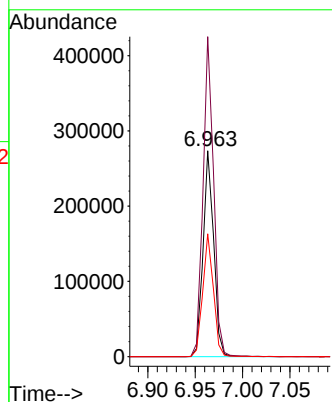
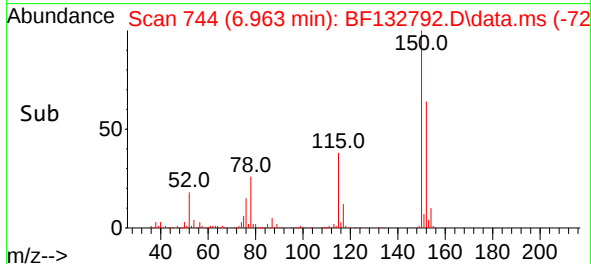
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



Tgt Ion:152 Resp: 212705
Ion Ratio Lower Upper
152 100
150 155.5 125.4 188.2
115 59.7 47.8 71.6

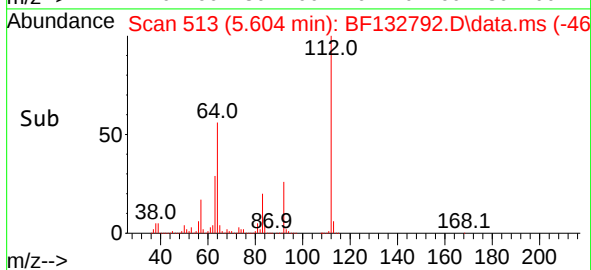
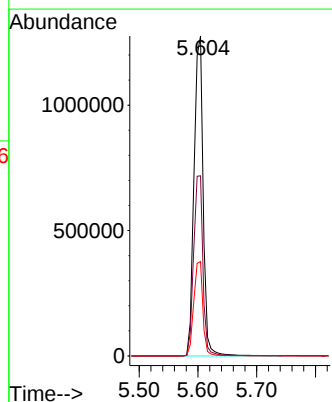
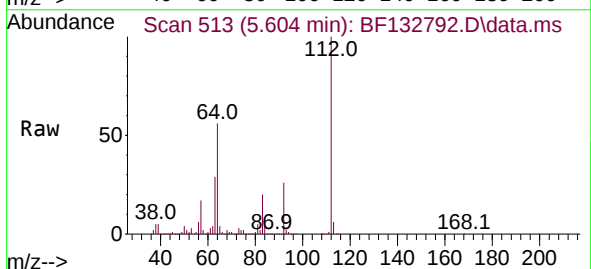
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Supervised By :Jagrut Upadhyay 03/15/2023



#5
2-Fluorophenol
Concen: 105.063 ng
RT: 5.604 min Scan# 513
Delta R.T. 0.012 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

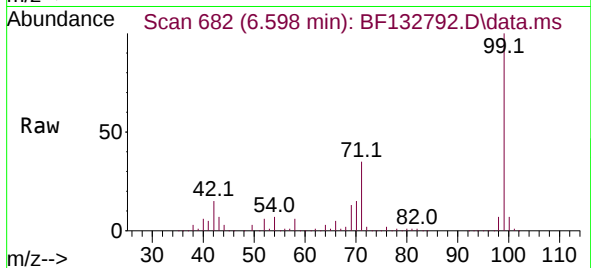
Tgt Ion:112 Resp: 1376947
Ion Ratio Lower Upper
112 100
64 56.3 51.6 77.4
63 29.5 27.4 41.2





#7
Phenol-d6
Concen: 102.324 ng
RT: 6.598 min Scan# 682
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

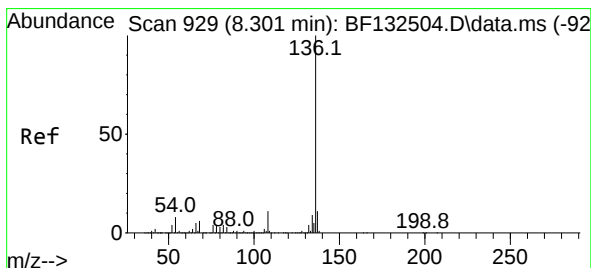
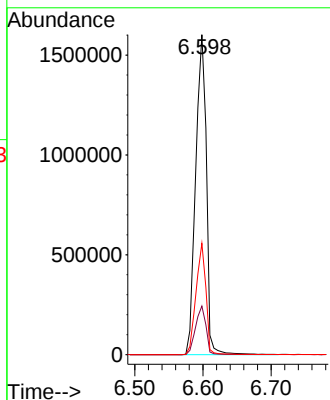
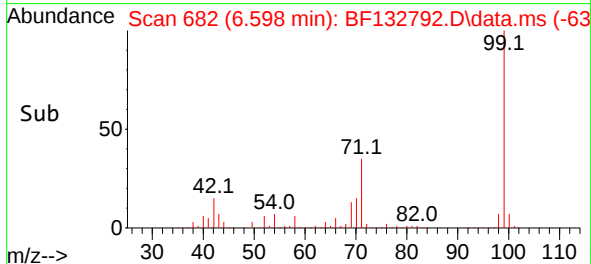
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



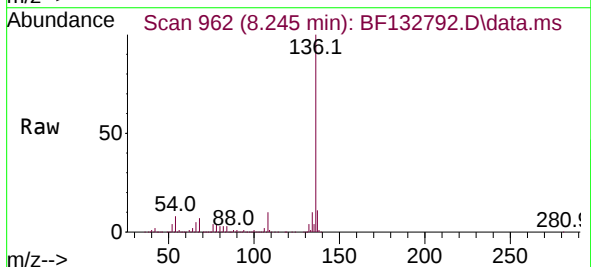
Tgt Ion: 99 Resp: 1750190
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 34.8 28.5 42.7

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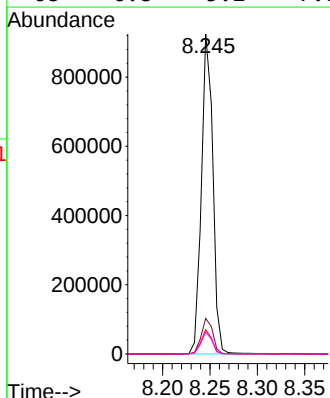
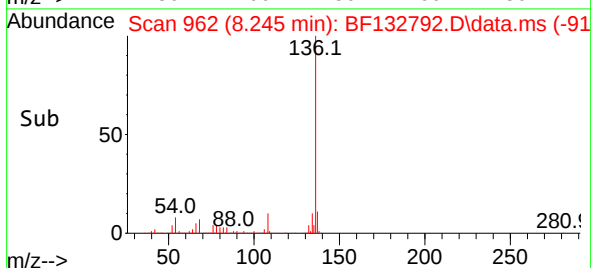
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

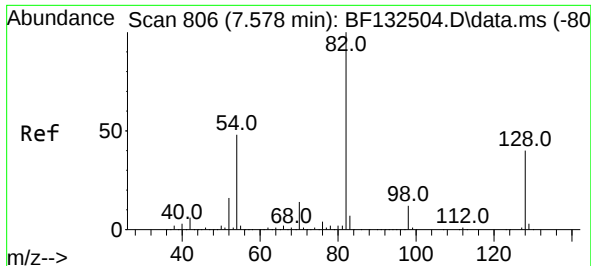


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35



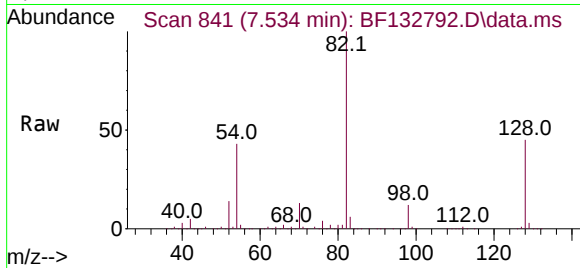
Tgt Ion:136 Resp: 776809
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.6 6.2 9.4
68 6.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 69.935 ng
RT: 7.534 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

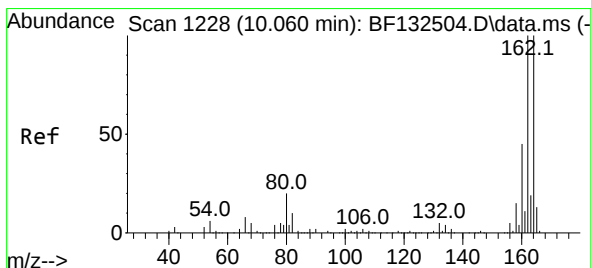
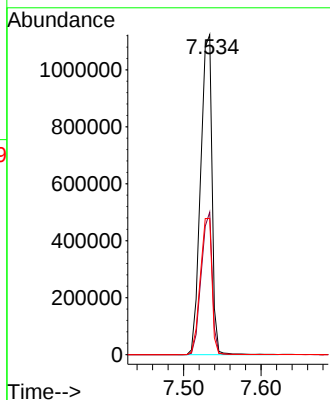
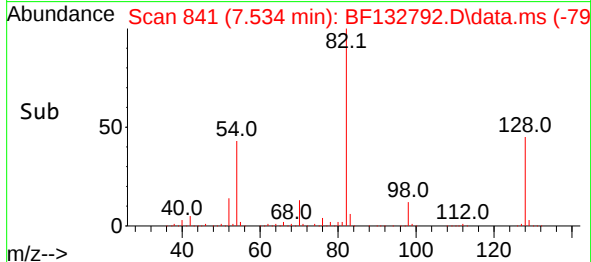
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



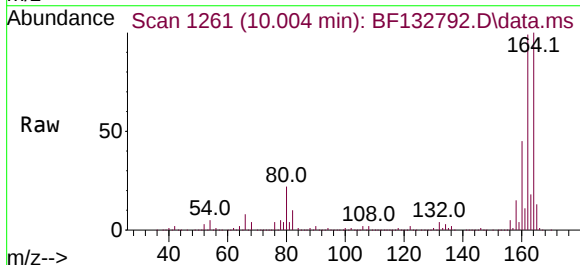
Tgt Ion: 82 Resp: 1145050
Ion Ratio Lower Upper
82 100
128 44.5 32.2 48.2
54 42.5 38.4 57.6

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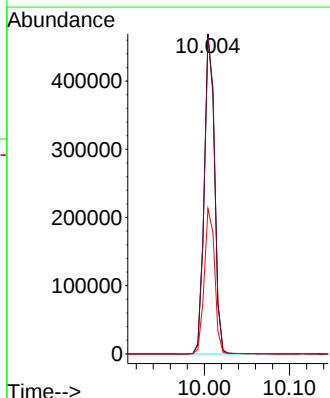
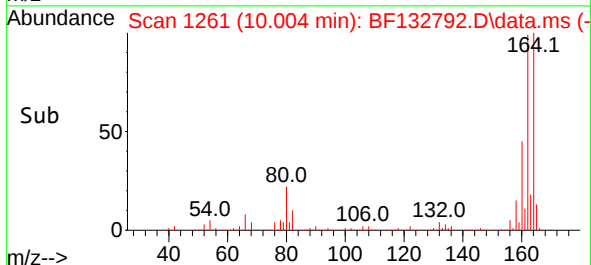
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35



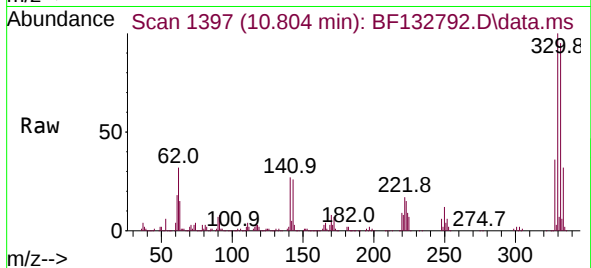
Tgt Ion:164 Resp: 390904
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.8
160 45.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 95.931 ng
RT: 10.804 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

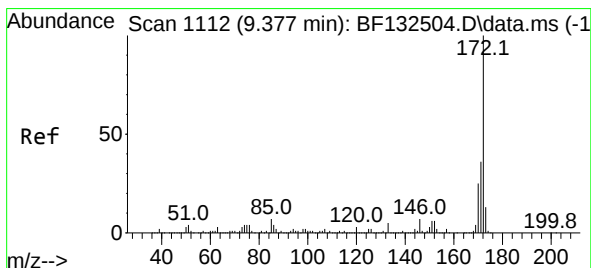
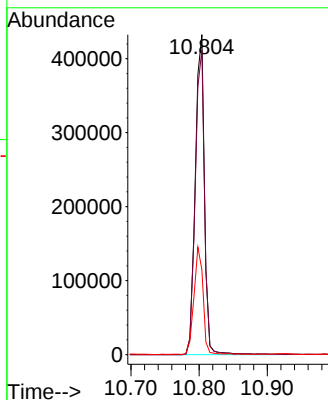
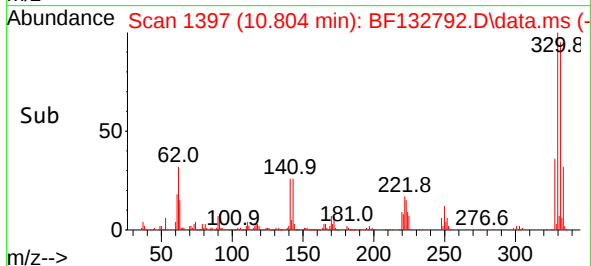
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



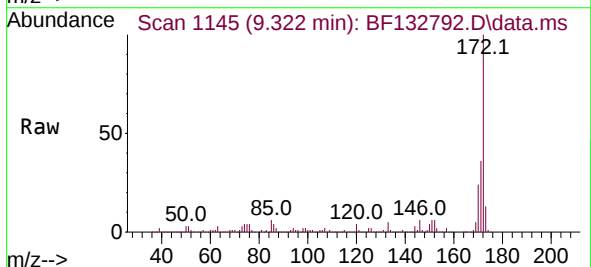
Tgt Ion: 330 Resp: 404981
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 33.5 28.4 42.6

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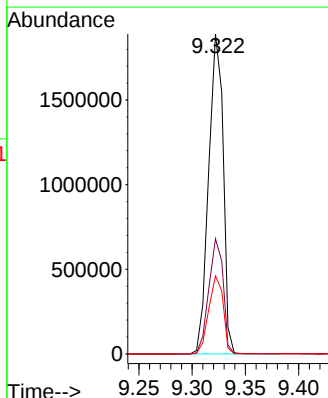
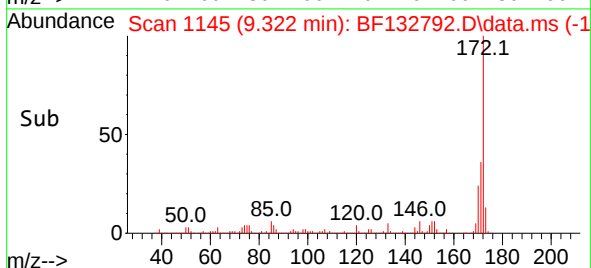
Reviewed By : Yogesh Patel 03/15/2023
Supervised By : Jagrut Upadhyay 03/15/2023

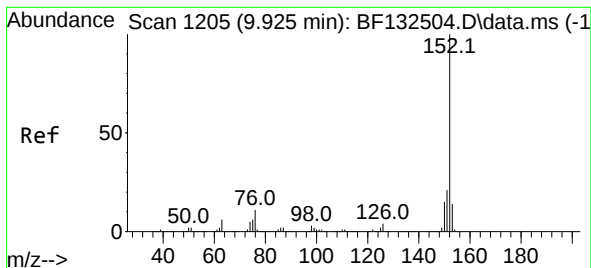


#45
2-Fluorobiphenyl
Concen: 69.886 ng
RT: 9.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35



Tgt Ion: 172 Resp: 1794131
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.4 19.7 29.5





#49

Acenaphthylene

Concen: 3.022 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132792.D

Acq: 14 Mar 2023 22:35

Instrument :

BNA_F

ClientSampleId :

MAPLE-2

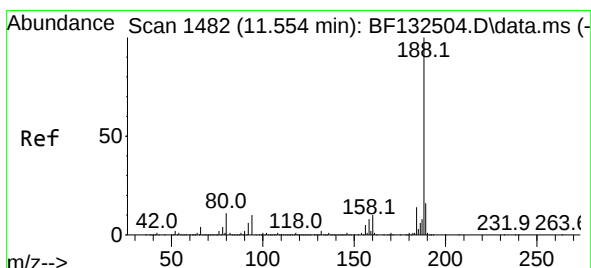
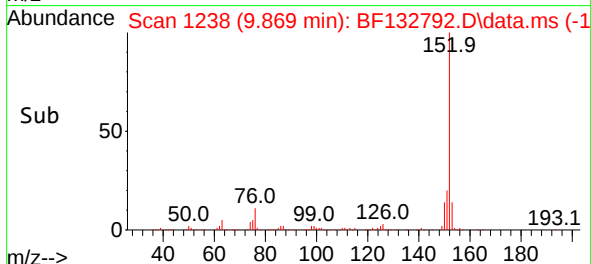
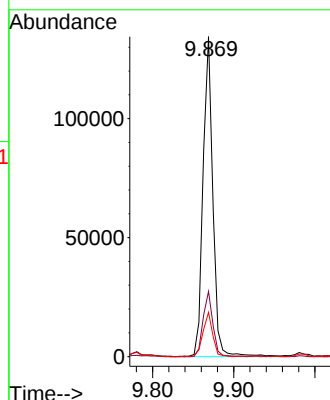
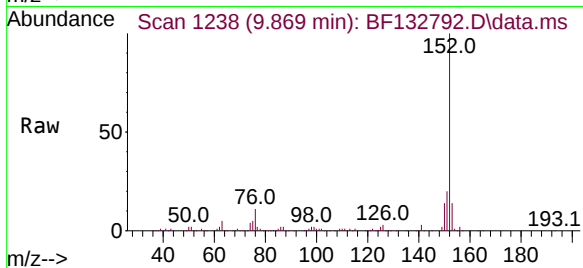
Tgt Ion:152	Resp: 112834
Ion Ratio	Lower Upper
152 100	
151 20.4	16.4 24.6
153 13.8	11.0 16.6

Manual Integrations

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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

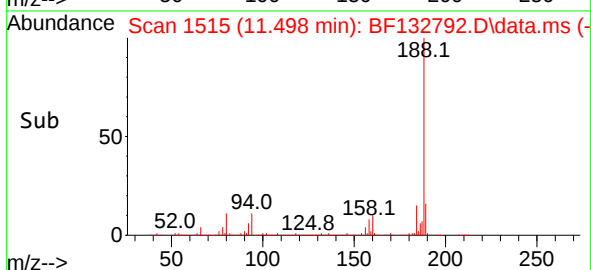
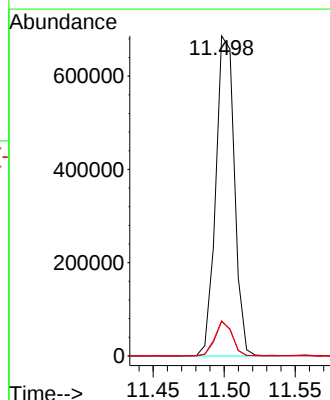
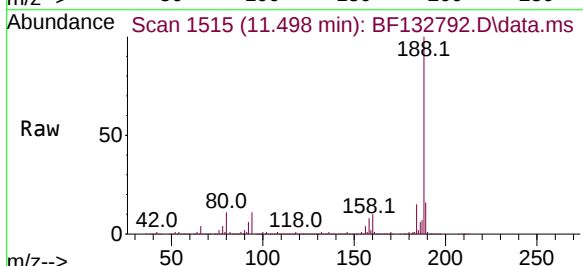
RT: 11.498 min Scan# 1515

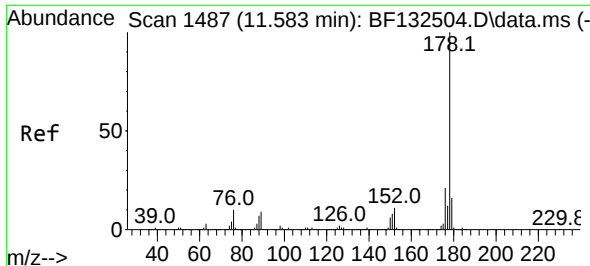
Delta R.T. -0.006 min

Lab File: BF132792.D

Acq: 14 Mar 2023 22:35

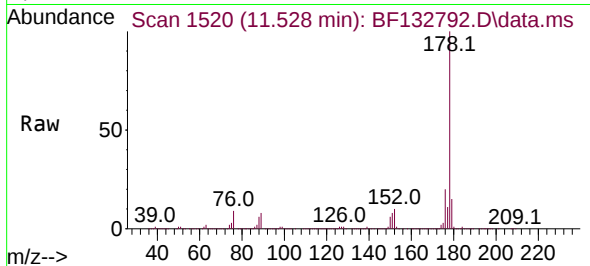
Tgt Ion:188	Resp: 629577
Ion Ratio	Lower Upper
188 100	
94 10.8	8.3 12.5
80 11.0	8.7 13.1





#71
Phenanthrene
Concen: 25.296 ng
RT: 11.528 min Scan# 1487
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

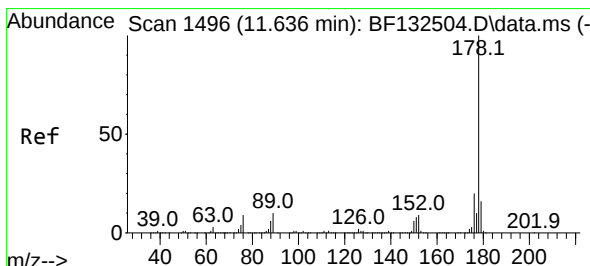
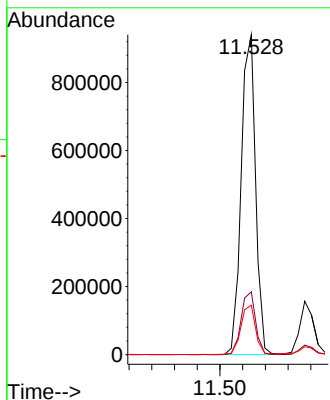
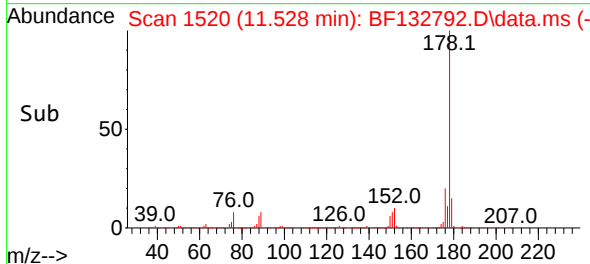
Instrument :
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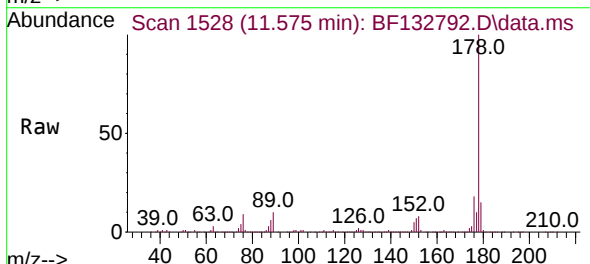
Tgt Ion:178 Resp: 825029
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.4 13.0 19.6

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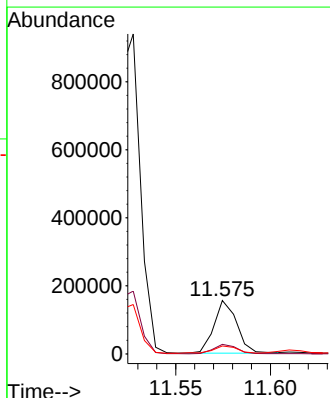
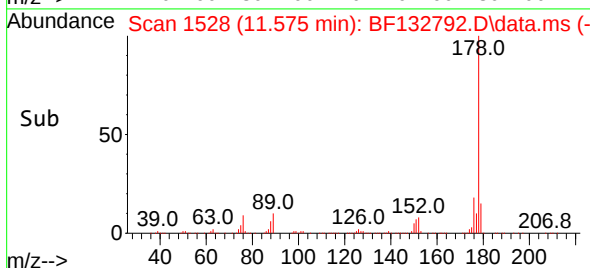
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

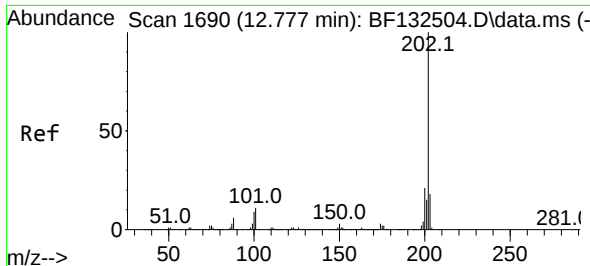


#72
Anthracene
Concen: 3.841 ng
RT: 11.575 min Scan# 1528
Delta R.T. -0.012 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35



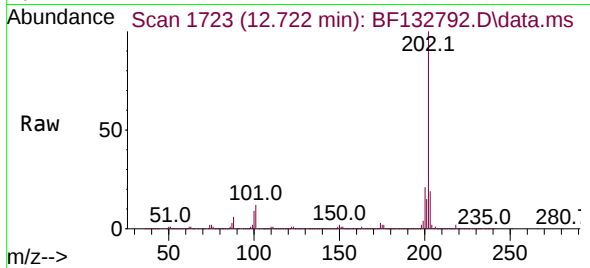
Tgt Ion:178 Resp: 129018
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 15.0 12.5 18.7





#75
Fluoranthene
Concen: 39.759 ng
RT: 12.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

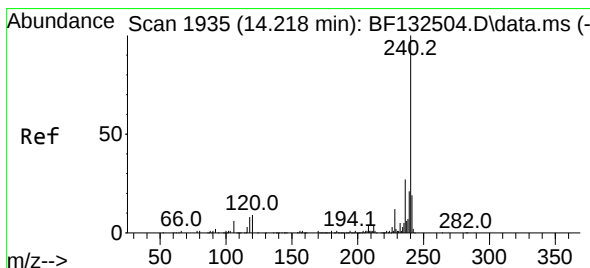
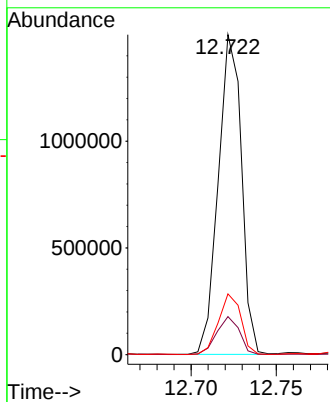
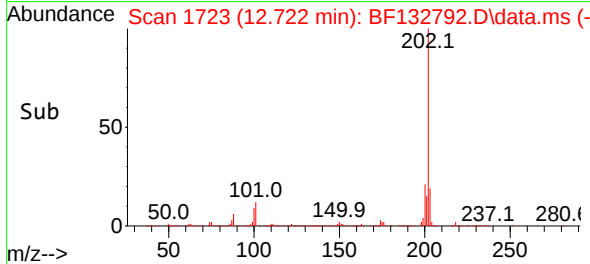
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



Tgt Ion:202 Resp: 1417608
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.4
203 19.0 0.0 38.0

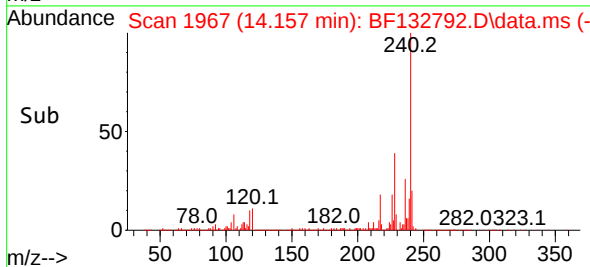
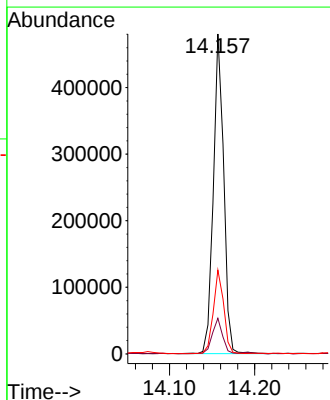
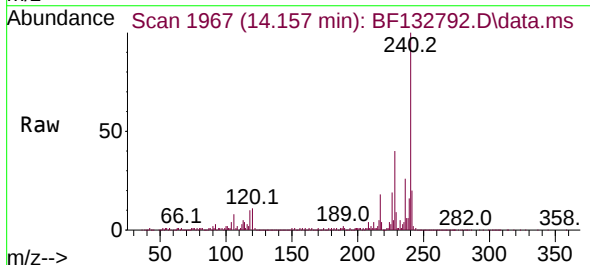
Manual Integrations
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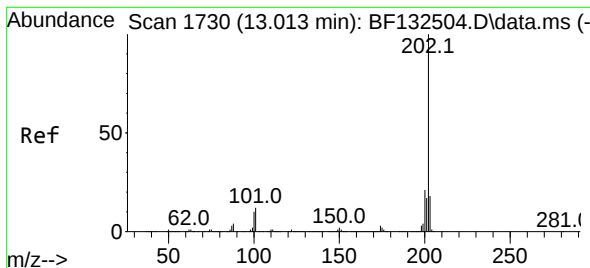
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

Tgt Ion:240 Resp: 404845
Ion Ratio Lower Upper
240 100
120 11.1 7.2 10.8#
236 26.2 21.8 32.6





#78

Pyrene

Concen: 35.599 ng

RT: 12.957 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BF132792.D

Acq: 14 Mar 2023 22:35

Instrument :

BNA_F

ClientSampleId :

MAPLE-2

Tgt Ion:202 Resp: 131030

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

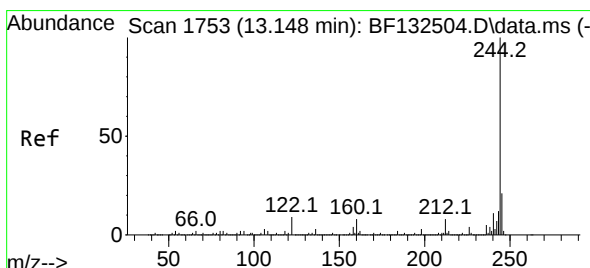
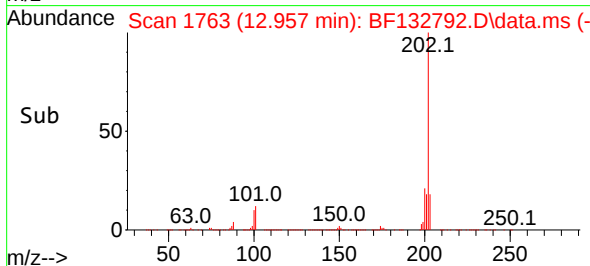
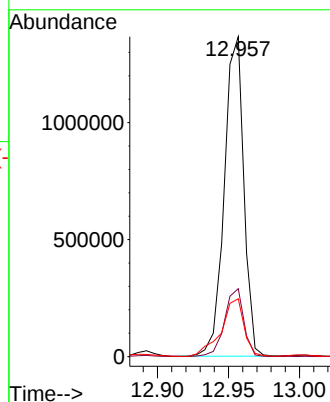
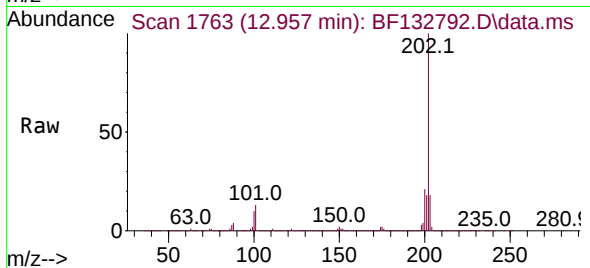
203 18.1 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/15/2023

Supervised By :Jagrut Upadhyay 03/15/2023



#79

Terphenyl-d14

Concen: 65.164 ng

RT: 13.092 min Scan# 1786

Delta R.T. 0.000 min

Lab File: BF132792.D

Acq: 14 Mar 2023 22:35

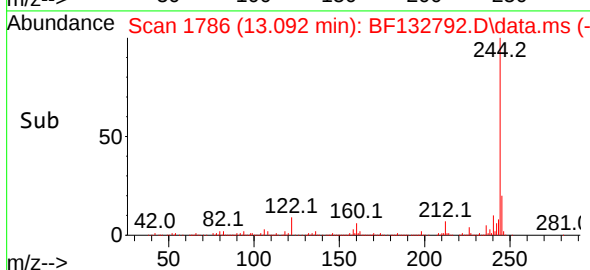
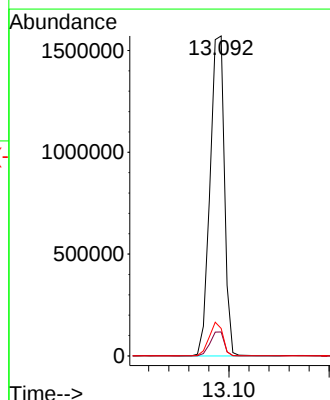
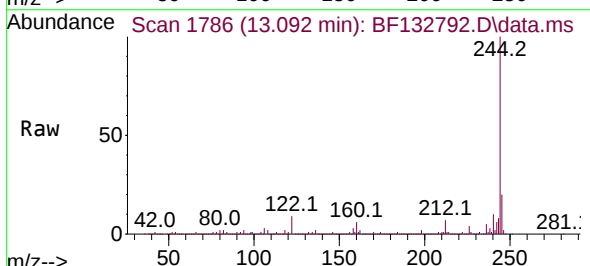
Tgt Ion:244 Resp: 1560342

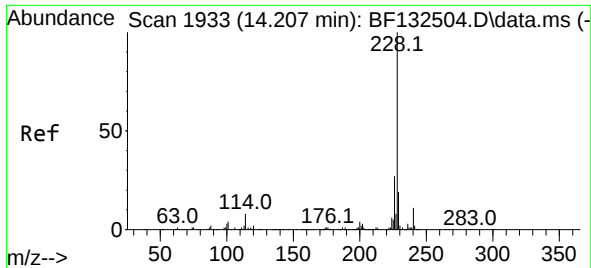
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 8.6 7.5 11.3





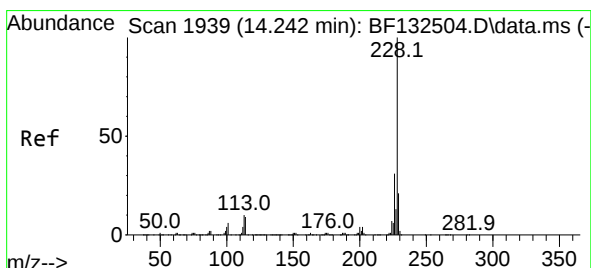
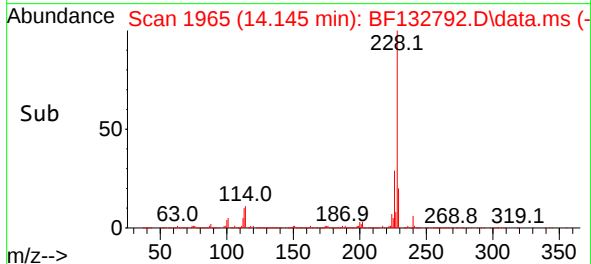
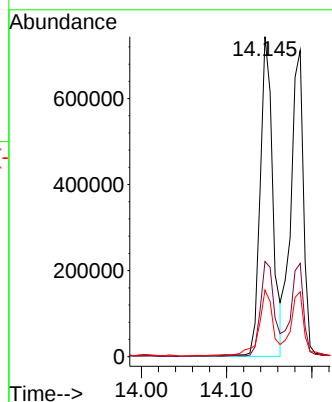
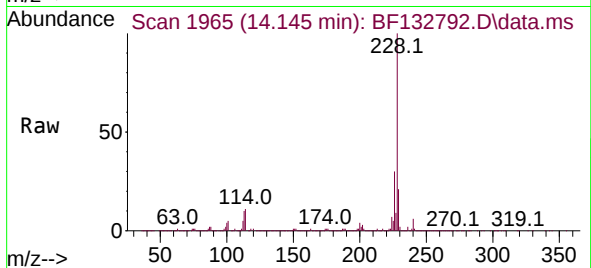
#81
Benzo(a)anthracene
Concen: 25.228 ng
RT: 14.145 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

Instrument :
BNA_F
ClientSampleId :
MAPLE-2

Tgt Ion:228 Resp: 764181
Ion Ratio Lower Upper
228 100
226 29.7 21.7 32.5
229 20.8 15.4 23.2

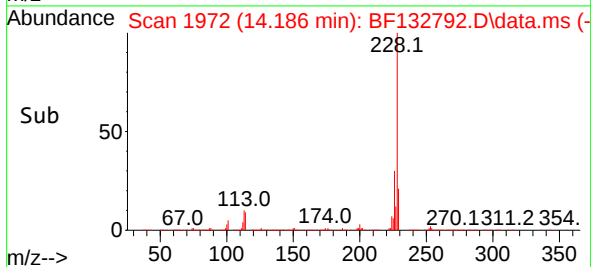
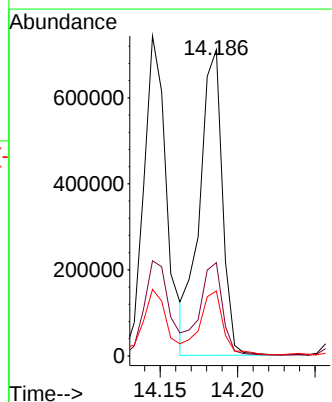
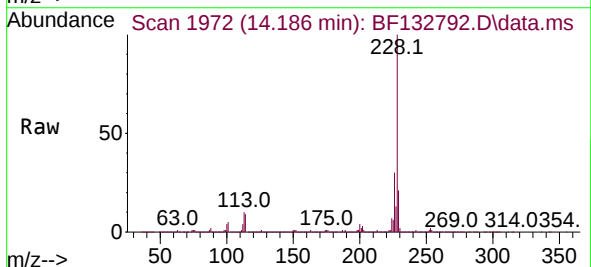
Manual Integrations
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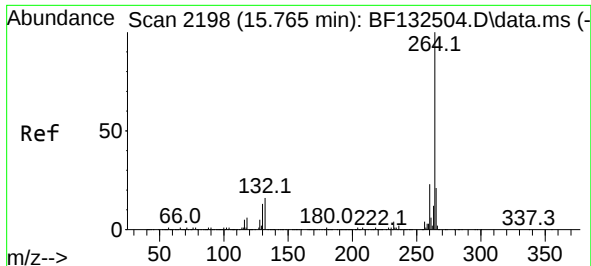
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#83
Chrysene
Concen: 25.762 ng
RT: 14.186 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

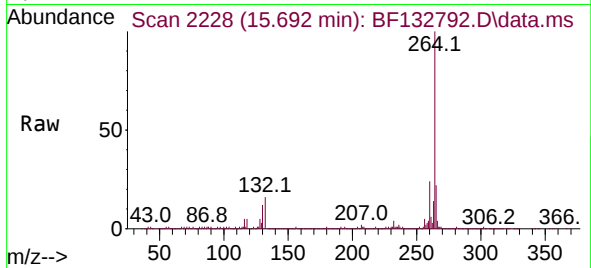
Tgt Ion:228 Resp: 729737
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 21.2 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

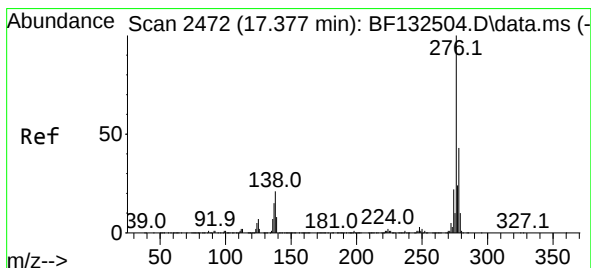
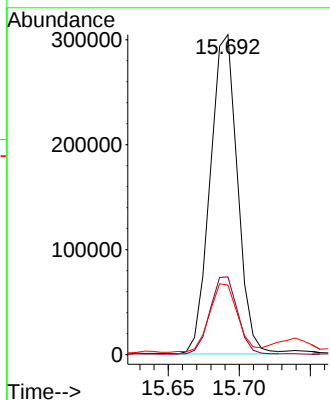
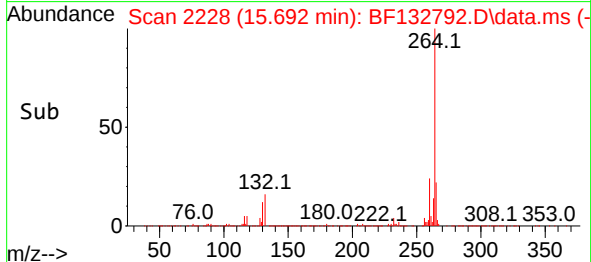
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



Tgt Ion:264 Resp: 407596
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 21.7 17.1 25.7

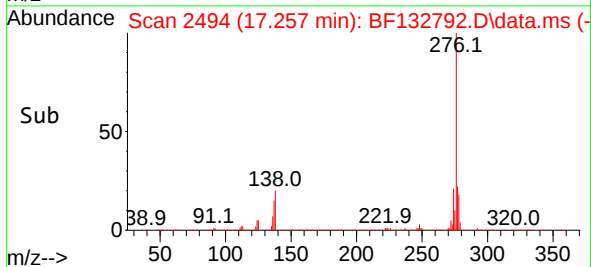
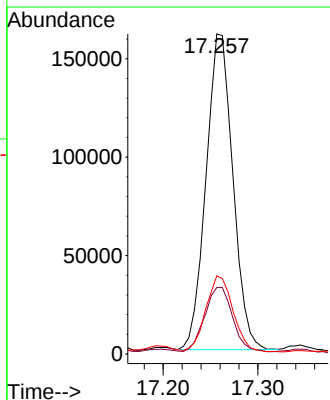
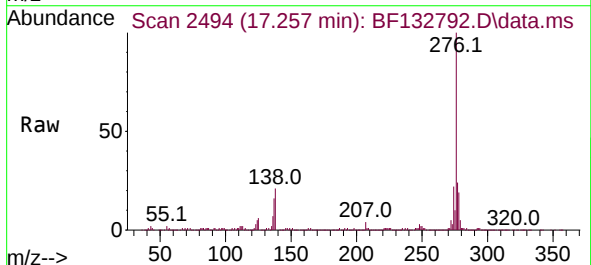
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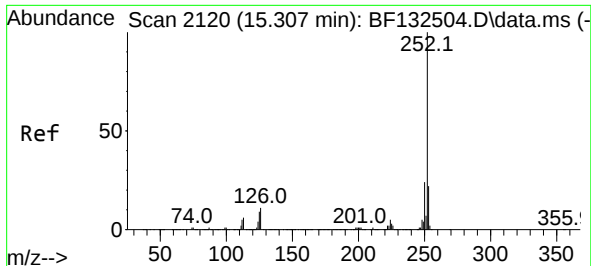
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.851 ng
RT: 17.257 min Scan# 2494
Delta R.T. -0.018 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

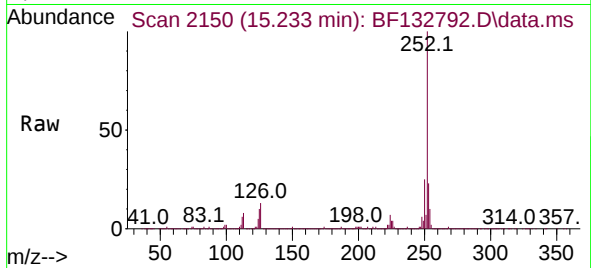
Tgt Ion:276 Resp: 316510
Ion Ratio Lower Upper
276 100
138 21.1 19.0 28.4
277 24.3 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 33.187 ng m
RT: 15.233 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

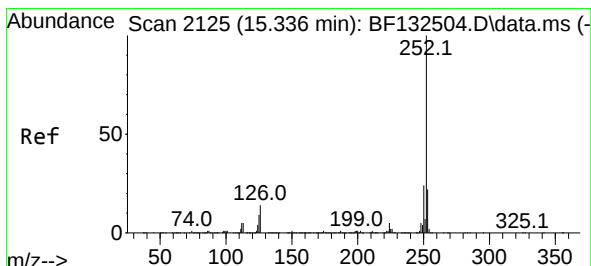
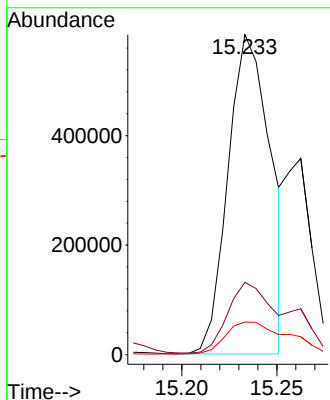
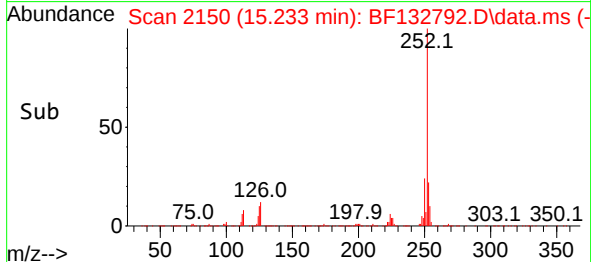
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



Tgt Ion:252 Resp: 906495
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.2 7.0 10.6

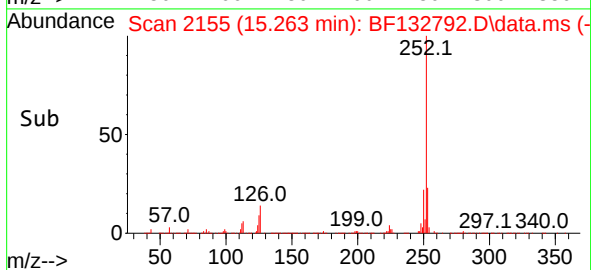
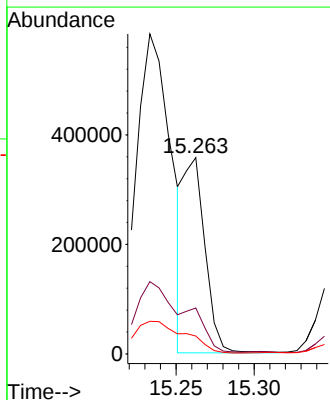
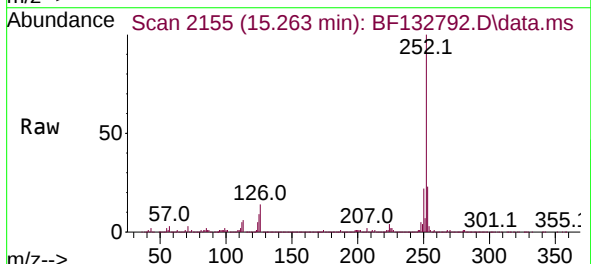
Manual Integrations
APPROVED

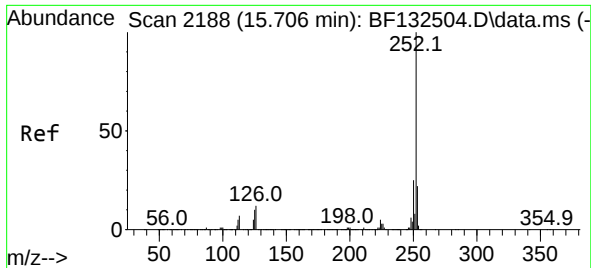
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#89
Benzo(k)fluoranthene
Concen: 12.670 ng m
RT: 15.263 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

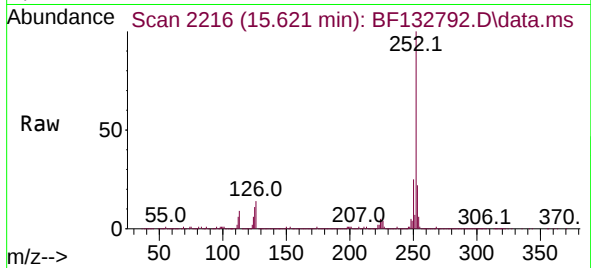
Tgt Ion:252 Resp: 338703
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 9.1 7.2 10.8





#90
Benzo(a)pyrene
Concen: 23.681 ng
RT: 15.621 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

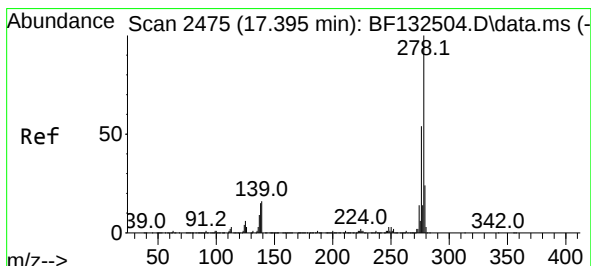
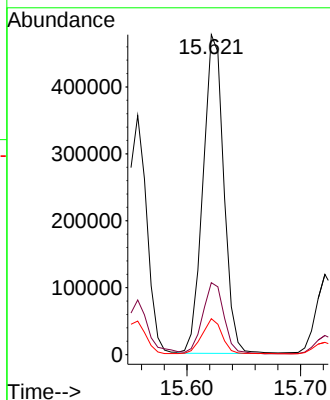
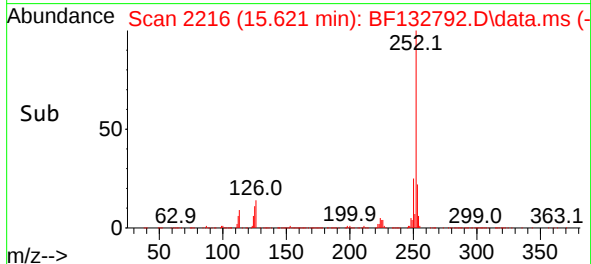
Instrument :
BNA_F
ClientSampleId :
MAPLE-2



Tgt Ion:252 Resp: 605405
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 11.2 8.0 12.0

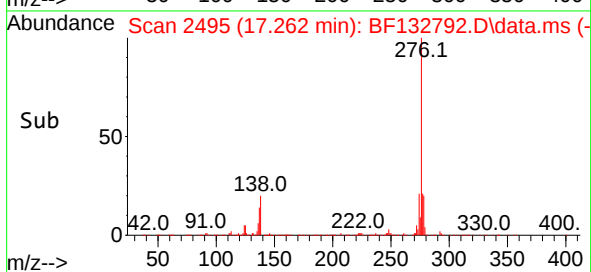
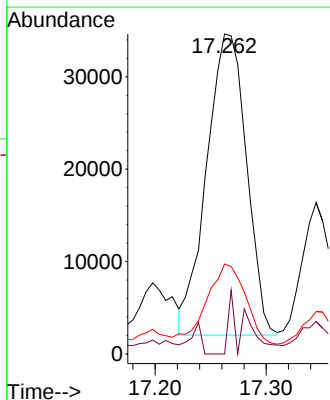
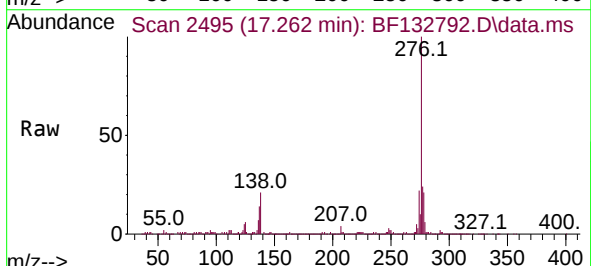
Manual Integrations
APPROVED

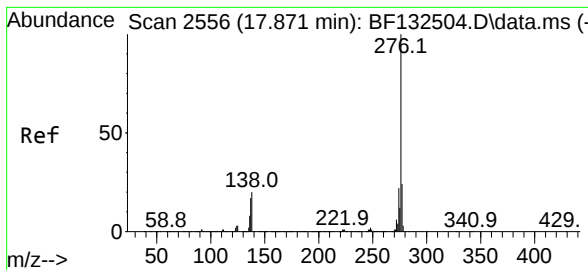
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.735 ng m
RT: 17.262 min Scan# 2495
Delta R.T. -0.023 min
Lab File: BF132792.D
Acq: 14 Mar 2023 22:35

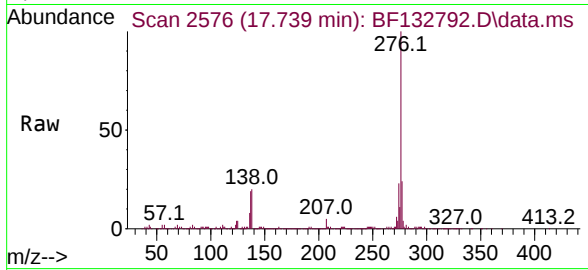
Tgt Ion:278 Resp: 81277
Ion Ratio Lower Upper
278 100
139 0.0 13.0 19.4#
279 28.1 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 12.468 ng
 RT: 17.739 min Scan# 2576
 Delta R.T. -0.018 min
 Lab File: BF132792.D
 Acq: 14 Mar 2023 22:35

Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-2



Tgt Ion: 276 Resp: 276194

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	20.5	16.2	24.4

Manual Integrations
 APPROVED

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

