

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132789.D
 Acq On : 14 Mar 2023 21:00
 Operator : CG\JU
 Sample : 01905-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAPLE-3

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 02:29:14 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	211570	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	779331	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	414850	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	728920	20.000	ng	0.00
76) Chrysene-d12	14.157	240	397522	20.000	ng	0.00
86) Perylene-d12	15.686	264	445486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1456477	111.728	ng	0.00
7) Phenol-d6	6.598	99	1889982	111.090	ng	0.00
23) Nitrobenzene-d5	7.534	82	1213200	73.858	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	473516	105.691	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1881421	69.056	ng	0.00
79) Terphenyl-d14	13.086	244	1696524	72.157	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.521	178	158694	4.203	ng	97
75) Fluoranthene	12.721	202	350675	8.495	ng	98
78) Pyrene	12.951	202	298150	8.249	ng	98
81) Benzo(a)anthracene	14.145	228	145180	4.881	ng	97
83) Chrysene	14.180	228	151322	5.441	ng	97
87) Indeno(1,2,3-cd)pyrene	17.256	276	76515	2.621	ng	99
88) Benzo(b)fluoranthene	15.227	252	229222m	7.678	ng	
89) Benzo(k)fluoranthene	15.257	252	58754m	2.011	ng	
90) Benzo(a)pyrene	15.621	252	142307	5.093	ng	99
92) Benzo(g,h,i)perylene	17.739	276	65299	3.962	ng	98

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

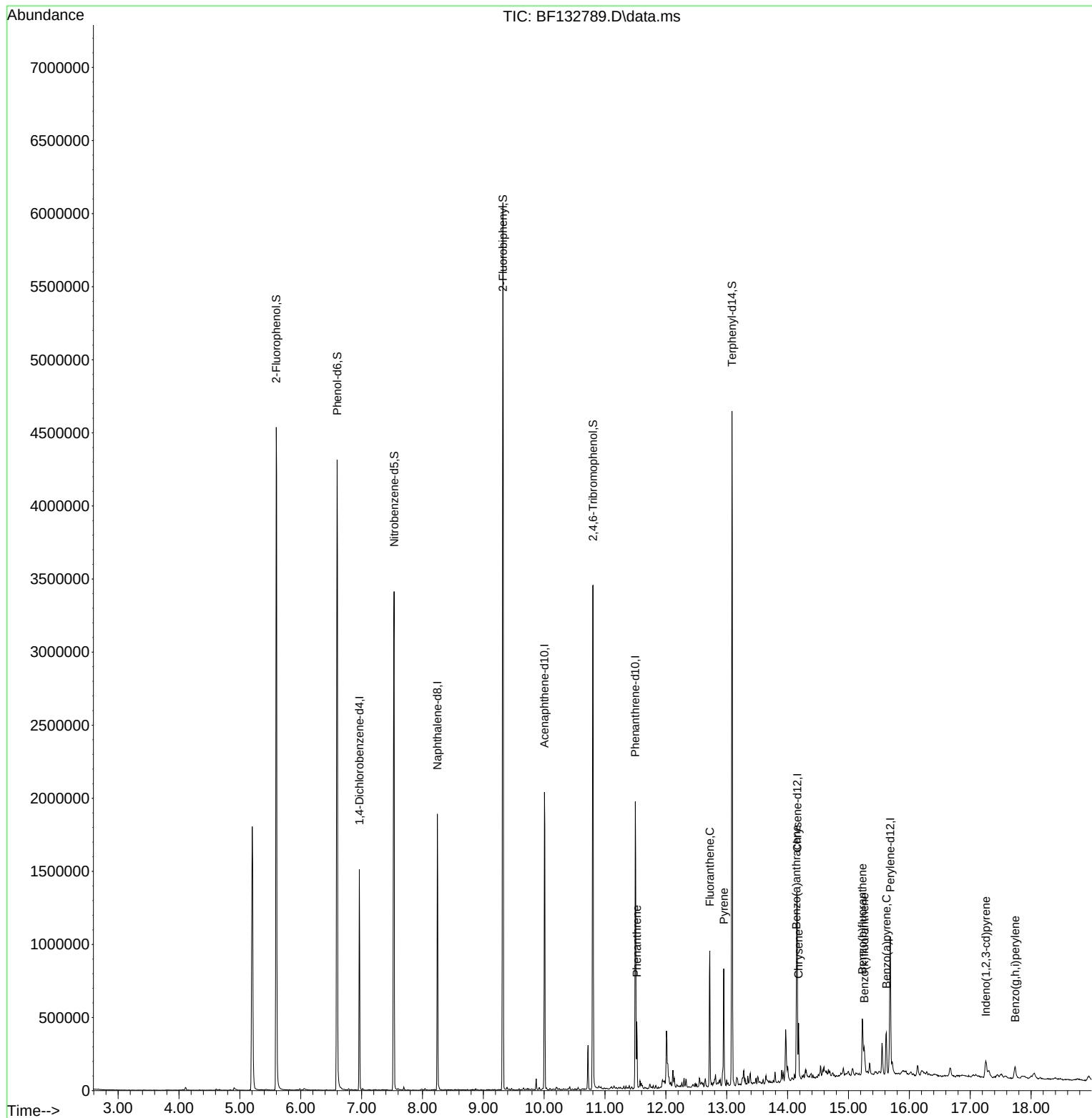
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
Data File : BF132789.D
Acq On : 14 Mar 2023 21:00
Operator : CG\JU
Sample : 01905-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

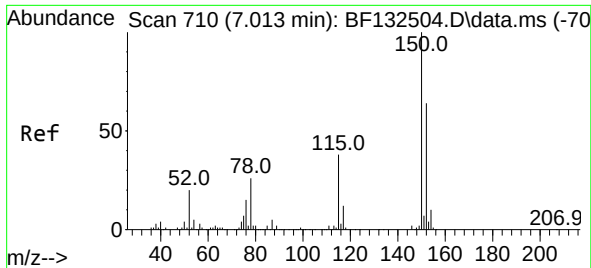
Instrument :
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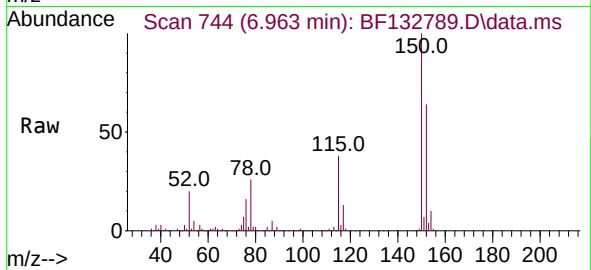
Quant Time: Mar 15 02:29:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 15:35:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

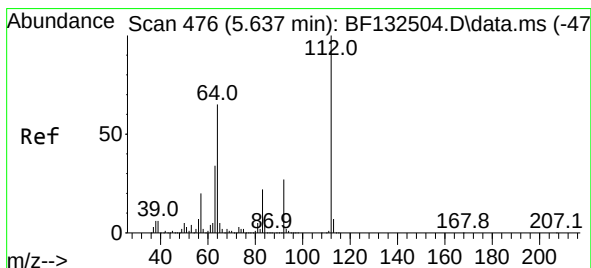
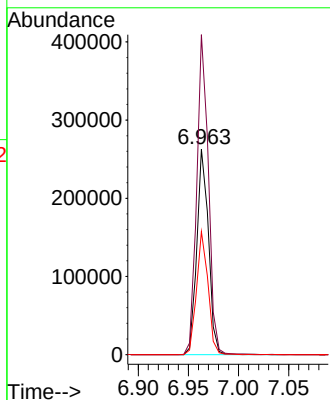
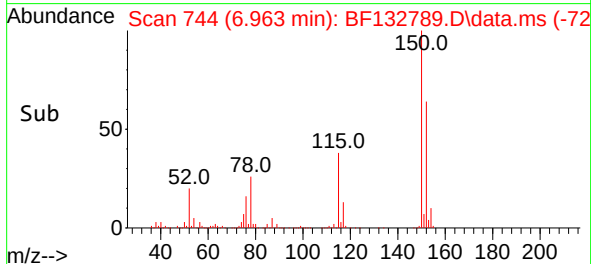
Instrument :
BNA_F
ClientSampleId :
MAPLE-3



Tgt Ion:152 Resp: 211576
Ion Ratio Lower Upper
152 100
150 155.9 125.4 188.2
115 59.9 47.8 71.6

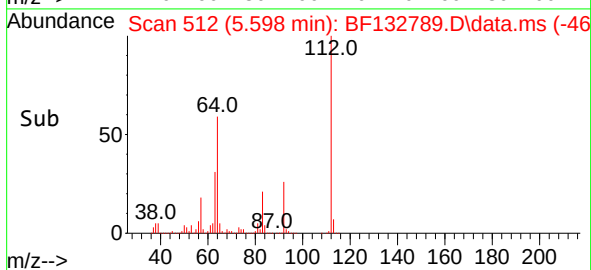
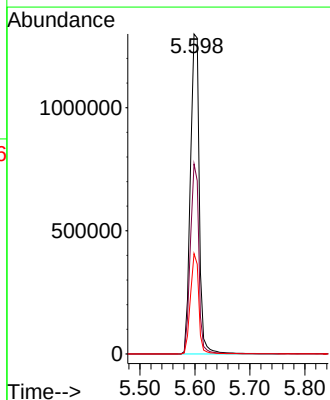
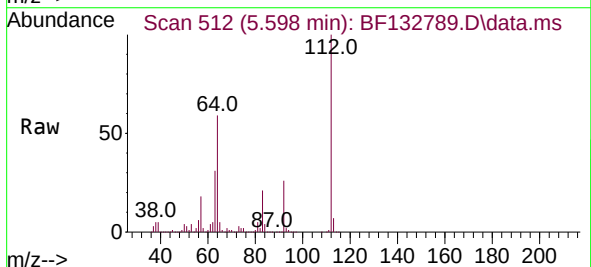
Manual Integrations
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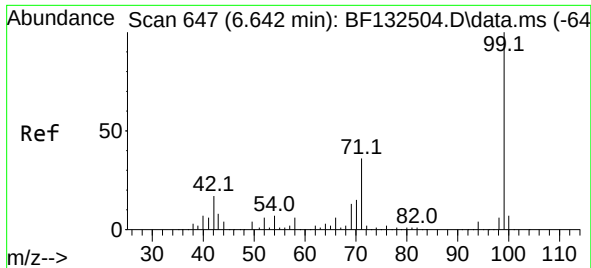
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#5
2-Fluorophenol
Concen: 111.728 ng
RT: 5.598 min Scan# 512
Delta R.T. 0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

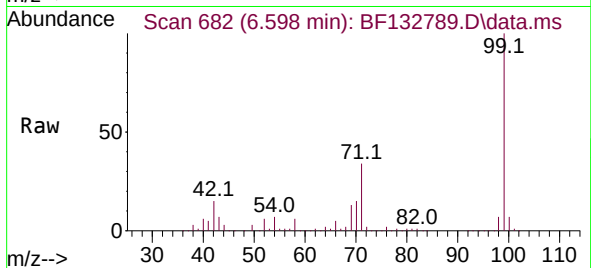
Tgt Ion:112 Resp: 1456477
Ion Ratio Lower Upper
112 100
64 59.4 51.6 77.4
63 31.3 27.4 41.2





#7
Phenol-d6
Concen: 111.090 ng
RT: 6.598 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

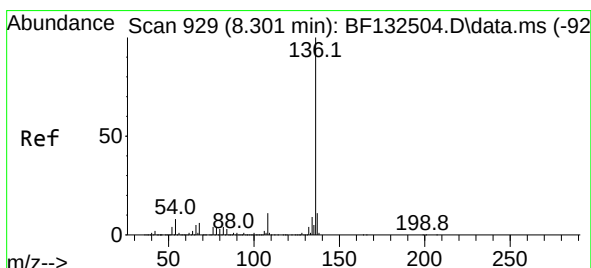
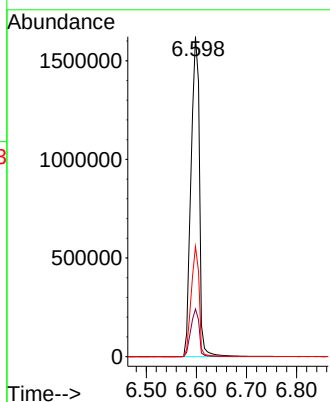
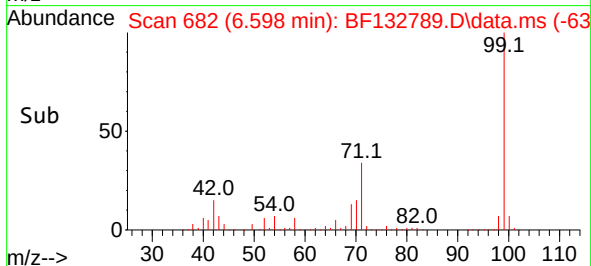
Instrument :
BNA_F
ClientSampleId :
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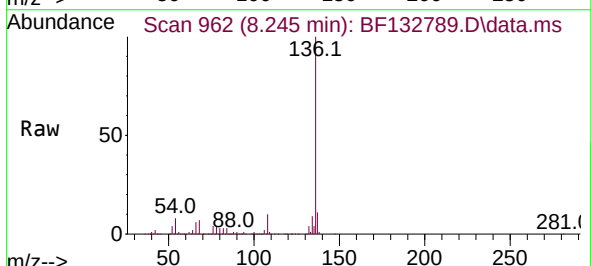
Tgt Ion: 99 Resp: 1889982
Ion Ratio Lower Upper
99 100
42 14.9 13.9 20.9
71 34.4 28.5 42.7

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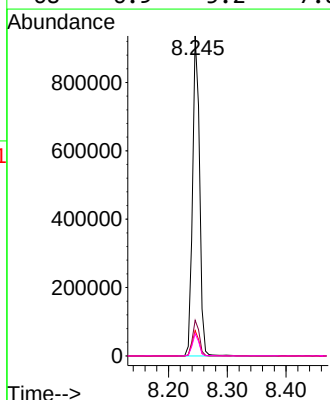
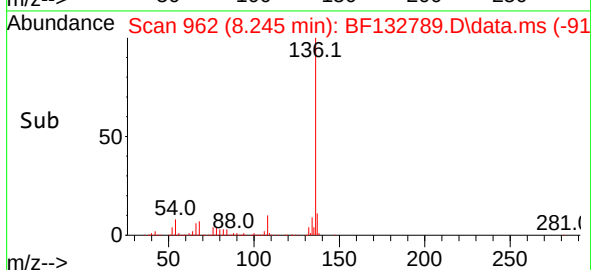
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

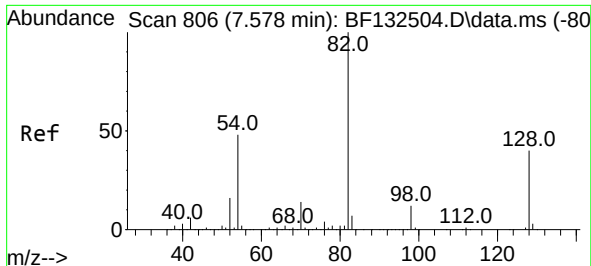


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00



Tgt Ion:136 Resp: 779331
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.9 6.2 9.4
68 6.9 5.2 7.8





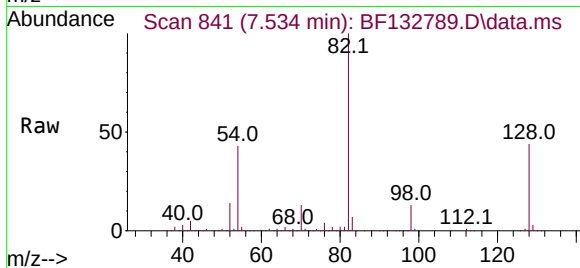
#23
Nitrobenzene-d5
Concen: 73.858 ng
RT: 7.534 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Instrument :

BNA_F

ClientSampleId :

MAPLE-3

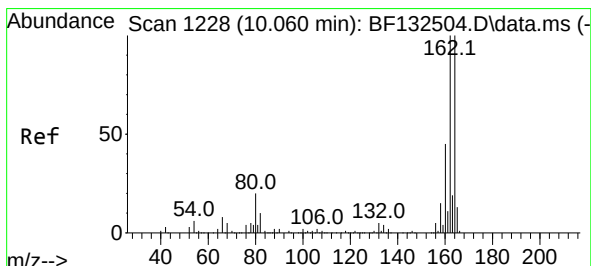
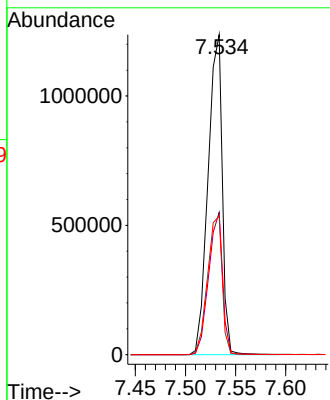
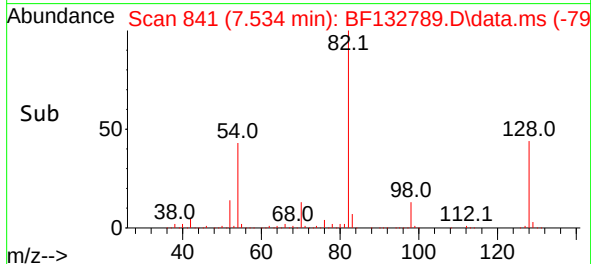


Tgt Ion: 82 Resp: 1213200
Ion Ratio Lower Upper
82 100
128 44.4 32.2 48.2
54 43.3 38.4 57.6

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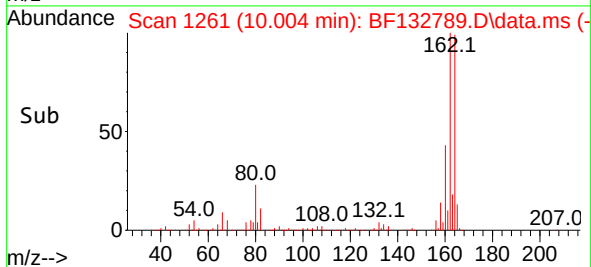
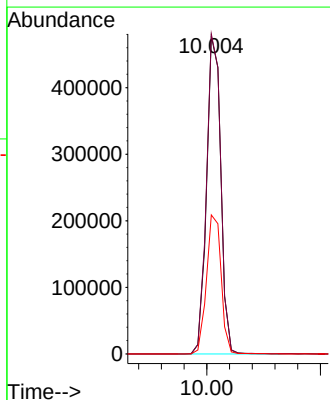
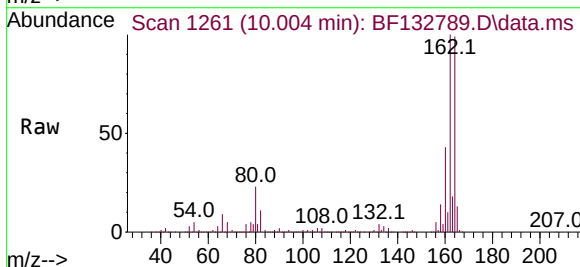
APPROVED

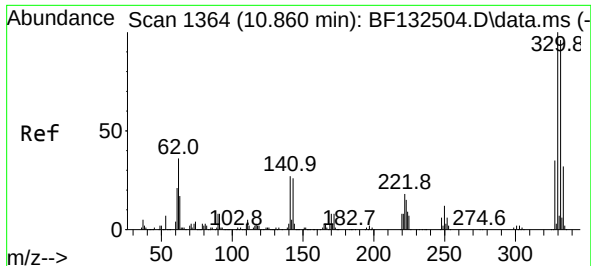
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

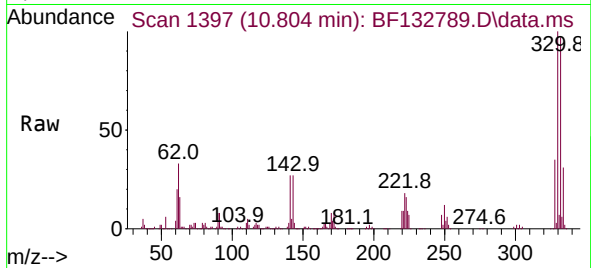
Tgt Ion:164 Resp: 414850
Ion Ratio Lower Upper
164 100
162 100.7 79.8 119.8
160 43.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 105.691 ng
RT: 10.804 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

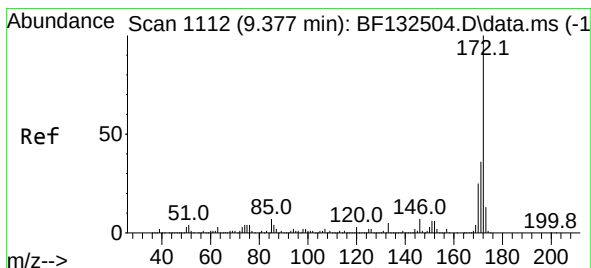
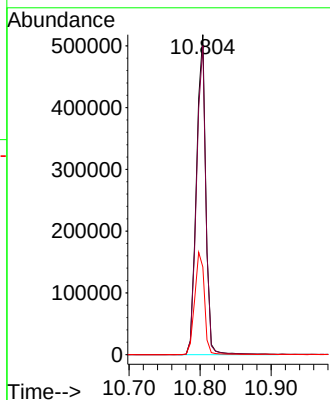
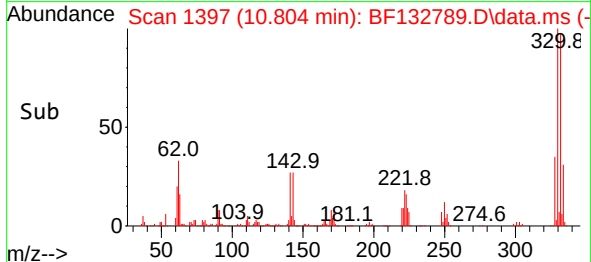
Instrument :
BNA_F
ClientSampleId :
MAPLE-3



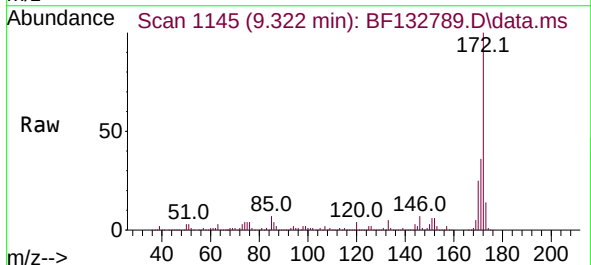
Tgt Ion: 330 Resp: 473516
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 33.5 28.4 42.6

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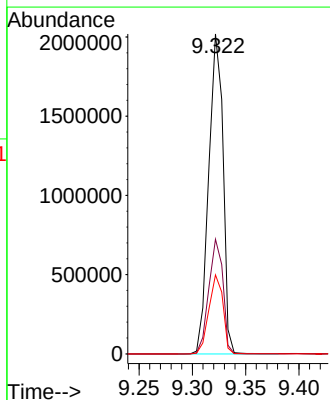
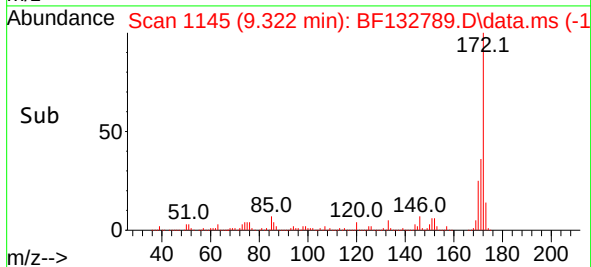
Reviewed By : Yogesh Patel 03/15/2023
Supervised By : Jagrut Upadhyay 03/15/2023

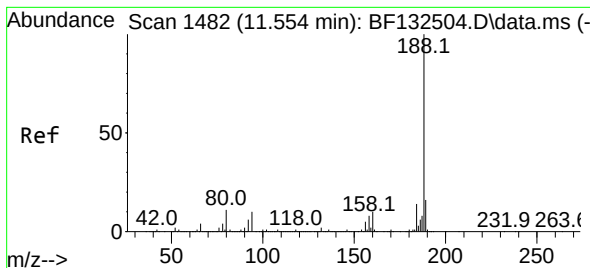


#45
2-Fluorobiphenyl
Concen: 69.056 ng
RT: 9.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00



Tgt Ion: 172 Resp: 1881421
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.7 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

Instrument :

BNA_F

ClientSampleId :

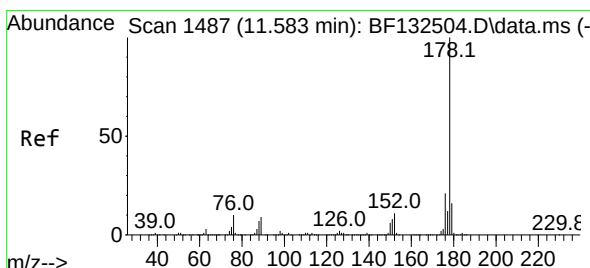
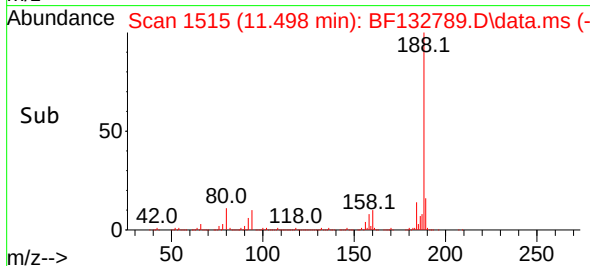
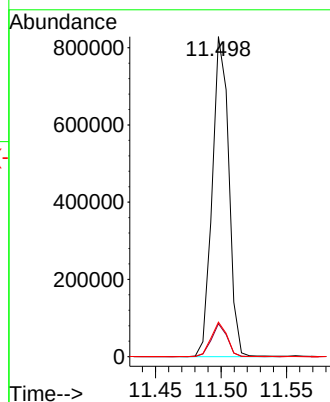
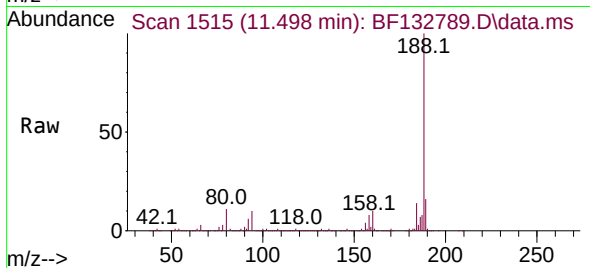
MAPLE-3

Tgt Ion:188 Resp: 728920
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.3 12.5
 80 10.8 8.7 13.1

Manual Integrations

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



#71

Phenanthrene

Concen: 4.203 ng

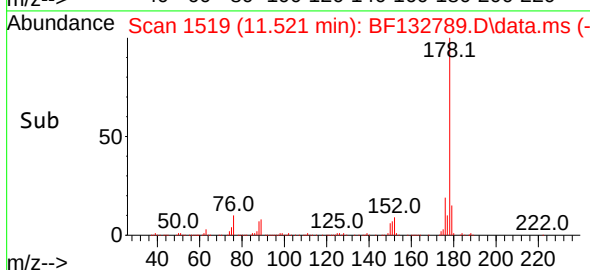
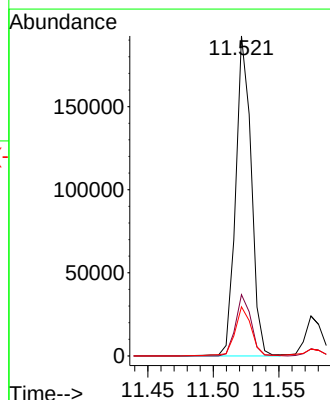
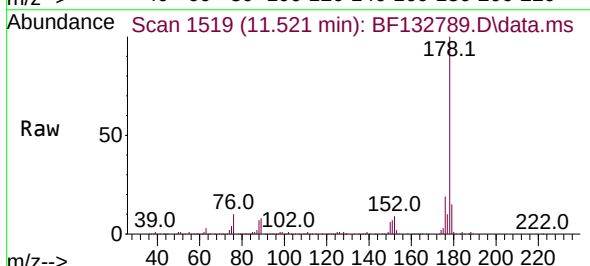
RT: 11.521 min Scan# 1519

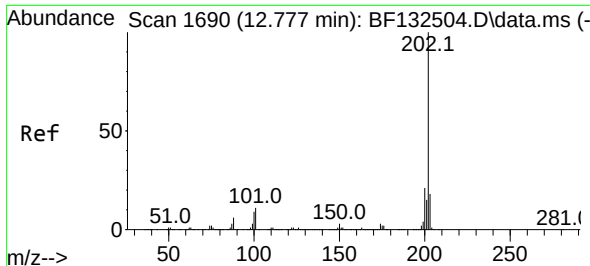
Delta R.T. -0.012 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

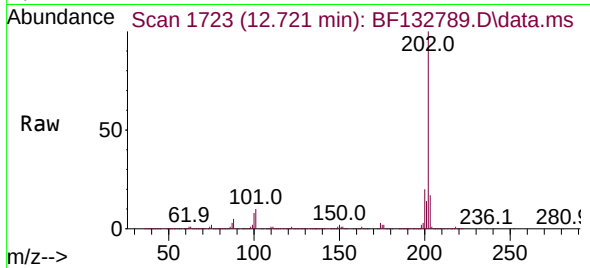
Tgt Ion:178 Resp: 158694
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.5 24.7
 179 15.3 13.0 19.6





#75
Fluoranthene
Concen: 8.495 ng
RT: 12.721 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

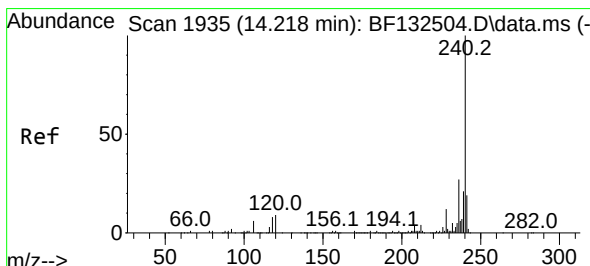
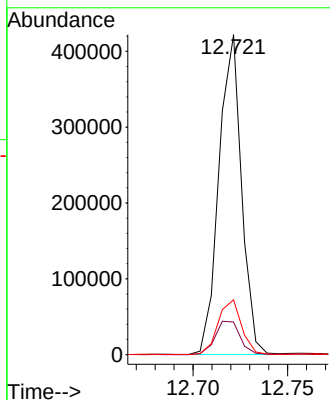
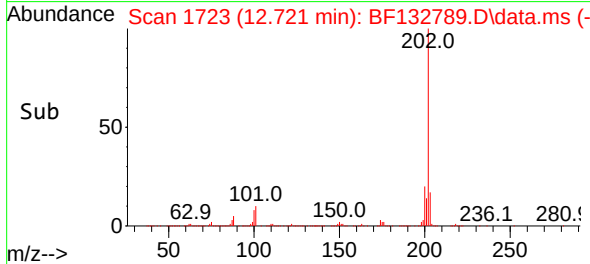
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 350675
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.1 0.0 38.0

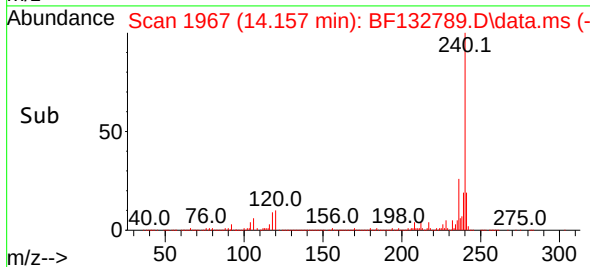
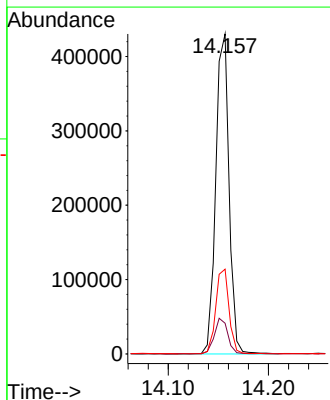
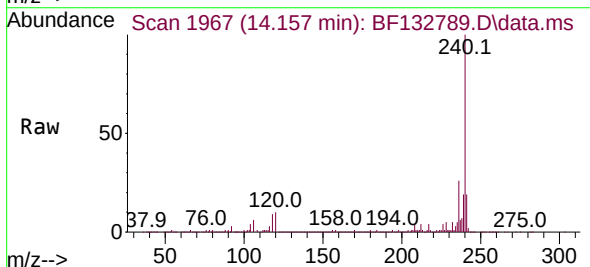
Manual Integrations
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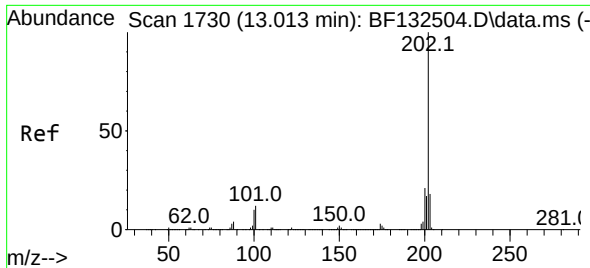
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

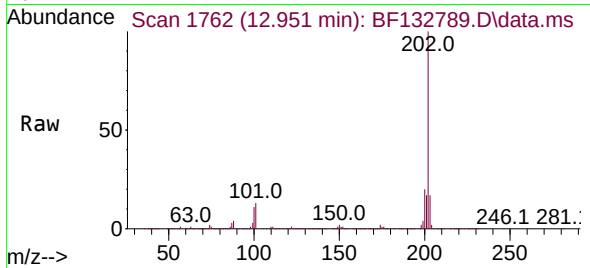
Tgt Ion:240 Resp: 397522
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 26.5 21.8 32.6





#78
Pyrene
Concen: 8.249 ng
RT: 12.951 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

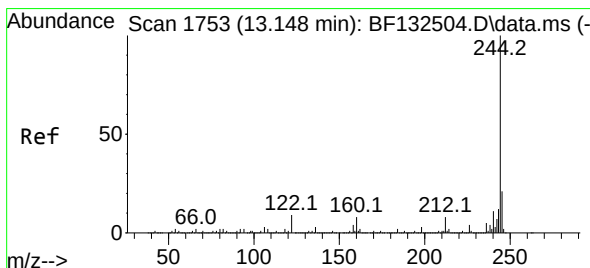
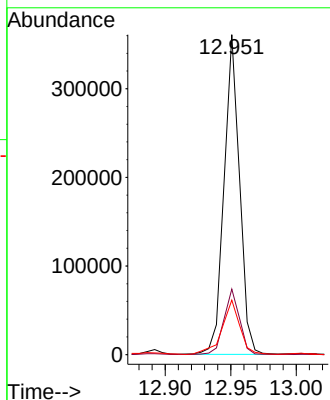
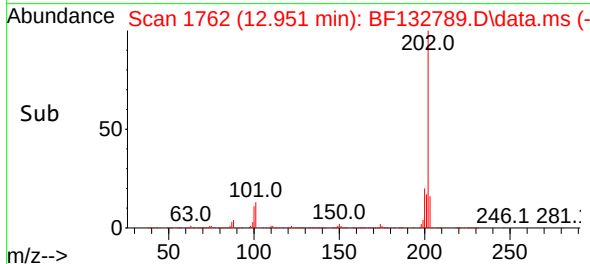
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 298150
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.0 14.6 21.8

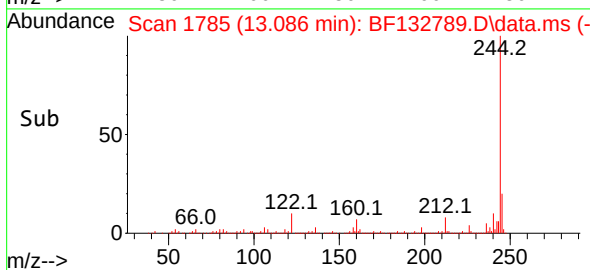
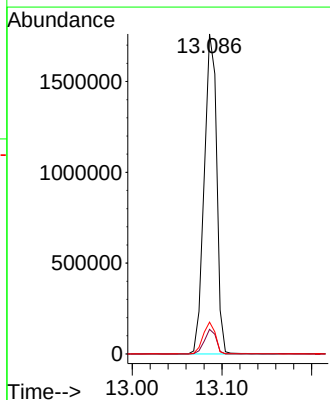
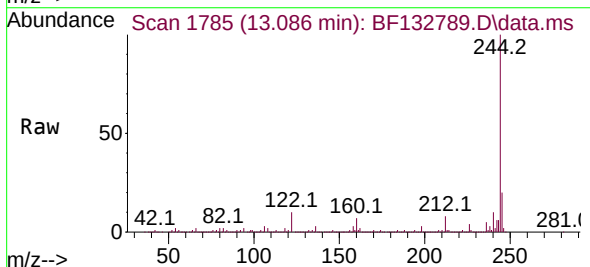
Manual Integrations
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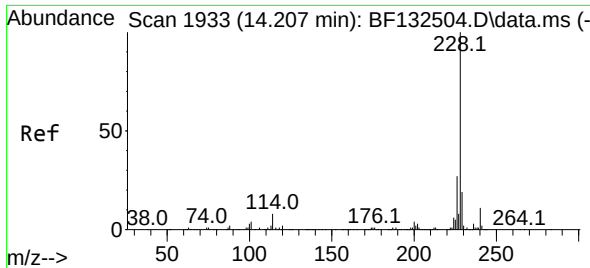
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#79
Terphenyl-d14
Concen: 72.157 ng
RT: 13.086 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

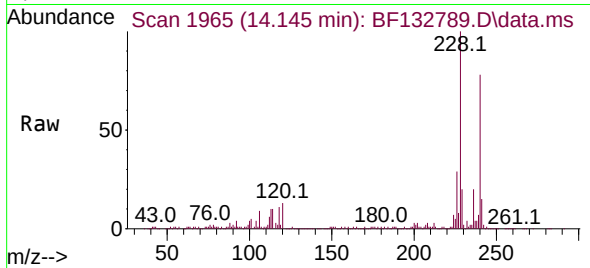
Tgt Ion:244 Resp: 1696524
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 9.9 7.5 11.3





#81
Benzo(a)anthracene
Concen: 4.881 ng
RT: 14.145 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

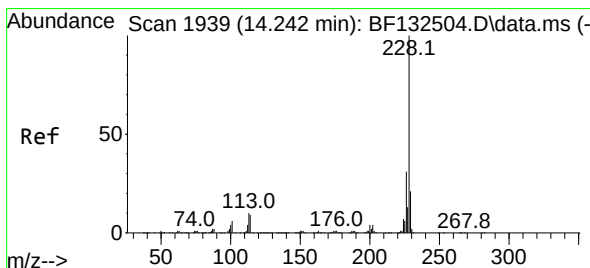
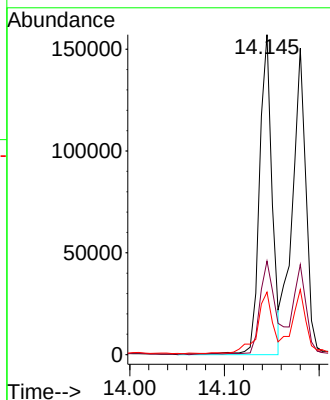
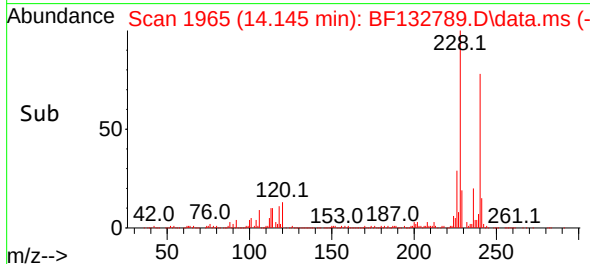
Instrument :
BNA_F
ClientSampleId :
MAPLE-3



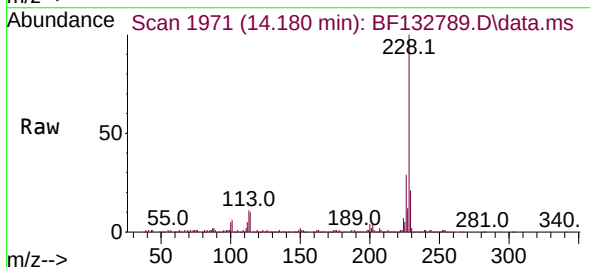
Tgt Ion:228 Resp: 145180
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 19.5 15.4 23.2

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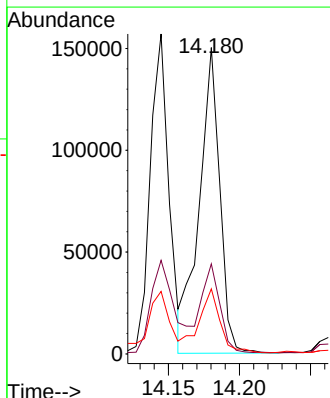
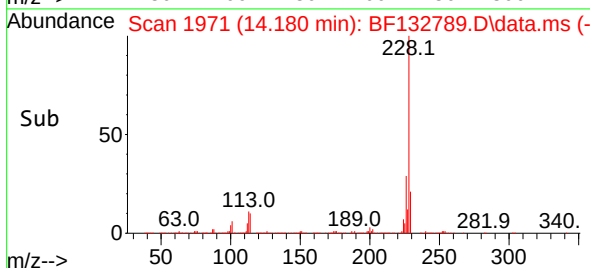
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023

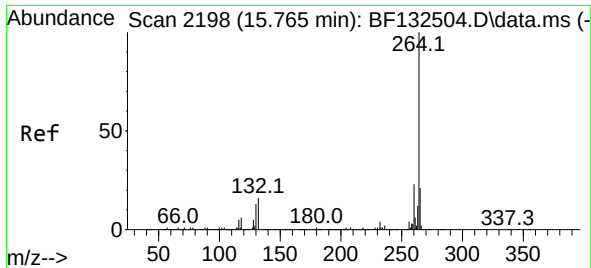


#83
Chrysene
Concen: 5.441 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00



Tgt Ion:228 Resp: 151322
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 21.2 16.4 24.6





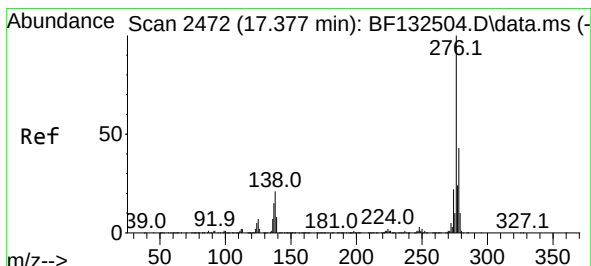
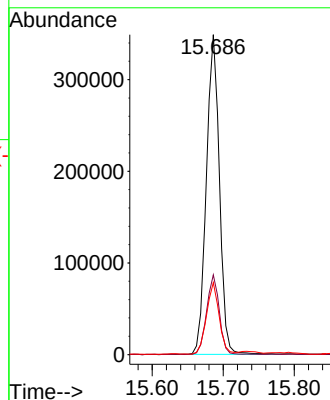
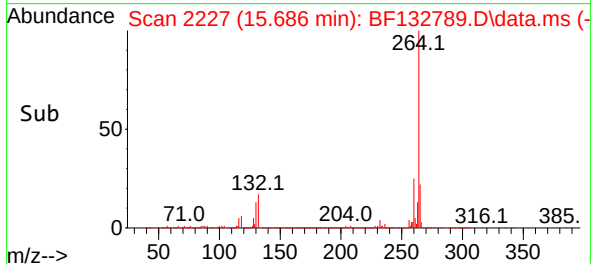
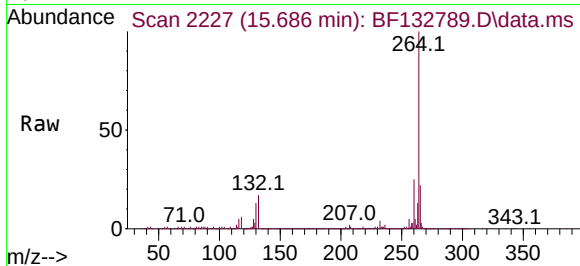
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.686 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Instrument :
BNA_F
ClientSampleId :
MAPLE-3

Tgt Ion:264 Resp: 445486
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 22.5 17.1 25.7

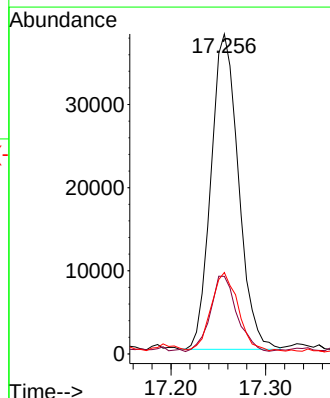
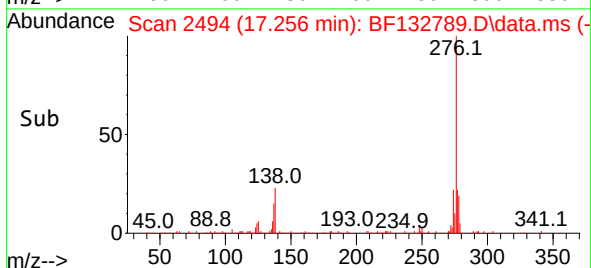
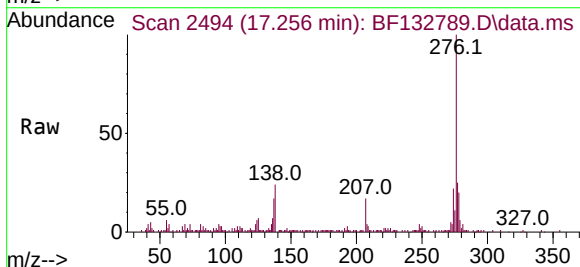
Manual Integrations
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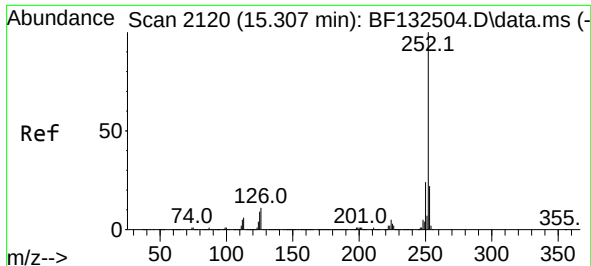
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.621 ng
RT: 17.256 min Scan# 2494
Delta R.T. -0.018 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

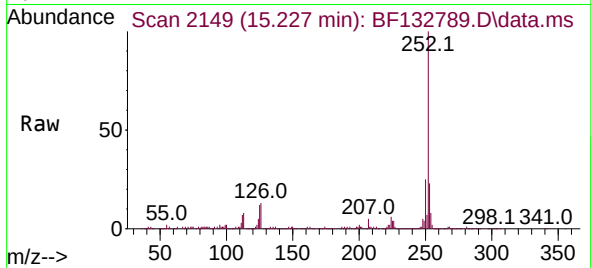
Tgt Ion:276 Resp: 76515
Ion Ratio Lower Upper
276 100
138 23.2 19.0 28.4
277 24.9 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 7.678 ng m
RT: 15.227 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

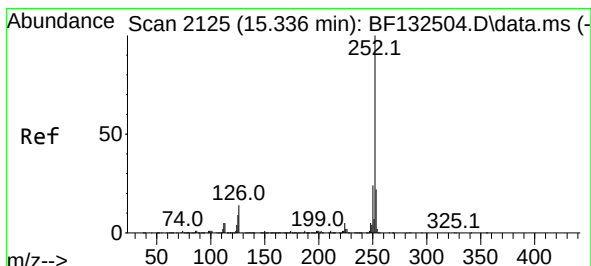
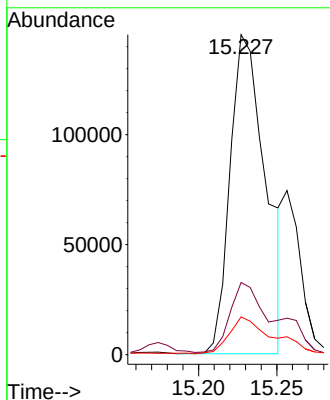
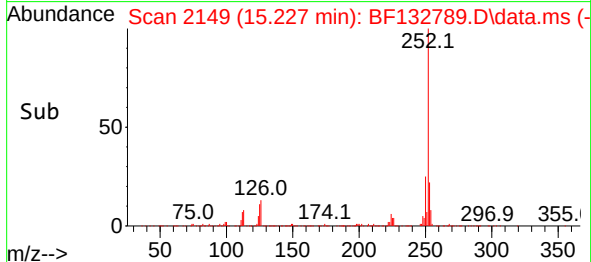
Instrument :
BNA_F
ClientSampleId :
MAPLE-3



Tgt Ion:252 Resp: 22922
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 11.8 7.0 10.6

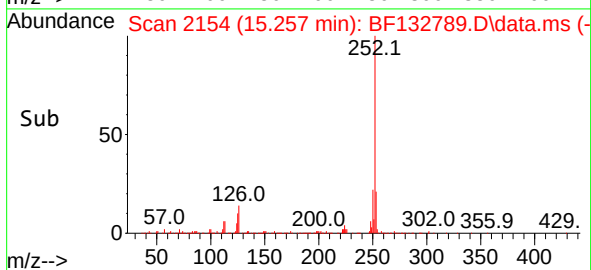
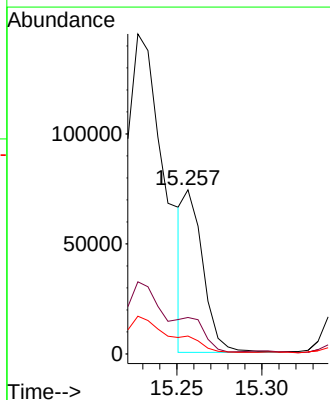
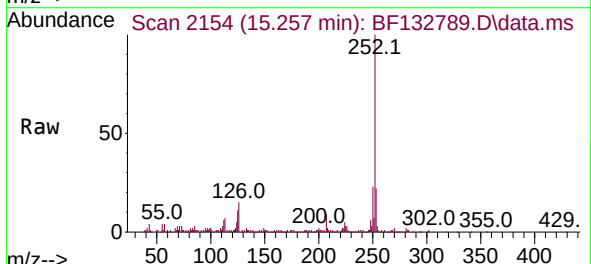
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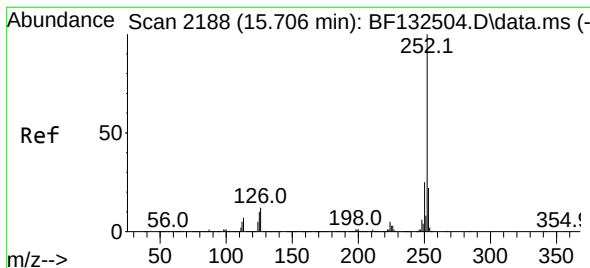
Reviewed By :Yogesh Patel 03/15/2023
Supervised By :Jagrut Upadhyay 03/15/2023



#89
Benzo(k)fluoranthene
Concen: 2.011 ng m
RT: 15.257 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BF132789.D
Acq: 14 Mar 2023 21:00

Tgt Ion:252 Resp: 58754
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.9 7.2 10.8





#90

Benzo(a)pyrene

Concen: 5.093 ng

RT: 15.621 min Scan# 2188

Delta R.T. -0.006 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

Instrument :

BNA_F

ClientSampleId :

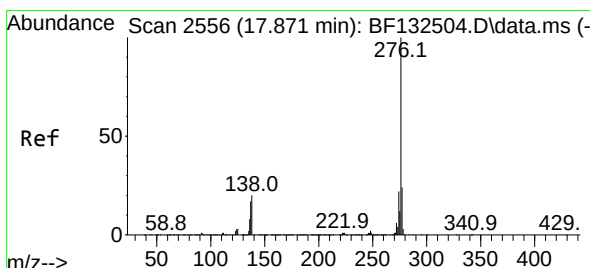
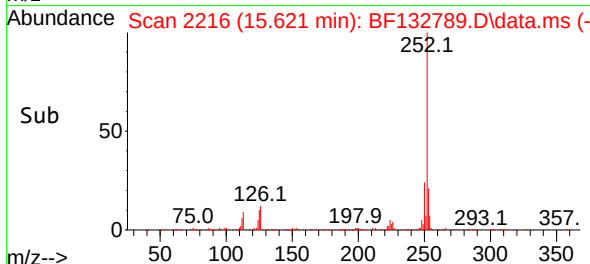
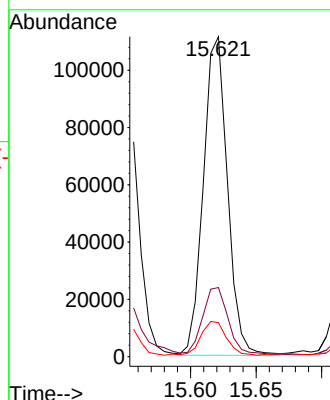
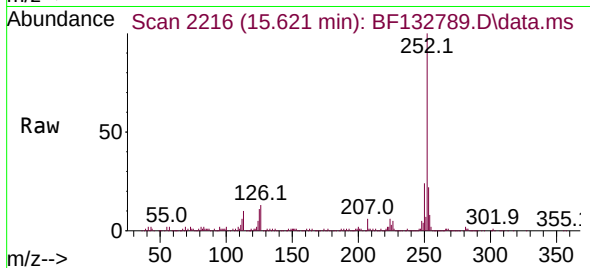
MAPLE-3

Tgt Ion:252 Resp: 142307
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.2 25.8
 125 10.6 8.0 12.0

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: 3.962 ng

RT: 17.739 min Scan# 2576

Delta R.T. -0.018 min

Lab File: BF132789.D

Acq: 14 Mar 2023 21:00

Tgt Ion:276 Resp: 65299
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.9 28.3
 138 20.9 16.2 24.4

