

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132591.D
 Acq On : 01 Mar 2023 15:08
 Operator : CG\JU
 Sample : 01736-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/02/2023

Quant Time: Mar 02 03:17:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	189976	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	665525	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	303860	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	459718	20.000	ng	0.00
76) Chrysene-d12	14.198	240	378813	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	422636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1121442	95.805	ng	0.00
7) Phenol-d6	6.628	99	1420078	92.957	ng	0.00
23) Nitrobenzene-d5	7.563	82	879760	62.717	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	266333	81.160	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1311221	65.706	ng	0.00
79) Terphenyl-d14	13.133	244	1072025	47.847	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.910	152	95272	3.283	ng	99
71) Phenanthrene	11.569	178	124228	5.216	ng	96
72) Anthracene	11.622	178	67839	2.766	ng	99
75) Fluoranthene	12.769	202	324108	12.449	ng	99
78) Pyrene	12.998	202	410060	11.906	ng	99
81) Benzo(a)anthracene	14.192	228	251994m	8.891	ng	
83) Chrysene	14.227	228	246965	9.318	ng	97
87) Indeno(1,2,3-cd)pyrene	17.351	276	160494	5.795	ng	98
88) Benzo(b)fluoranthene	15.292	252	418065m	14.761	ng	
89) Benzo(k)fluoranthene	15.316	252	116999m	4.221	ng	
90) Benzo(a)pyrene	15.686	252	331603	12.510	ng	98
92) Benzo(g,h,i)perylene	17.833	276	152692	7.401	ng	96

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

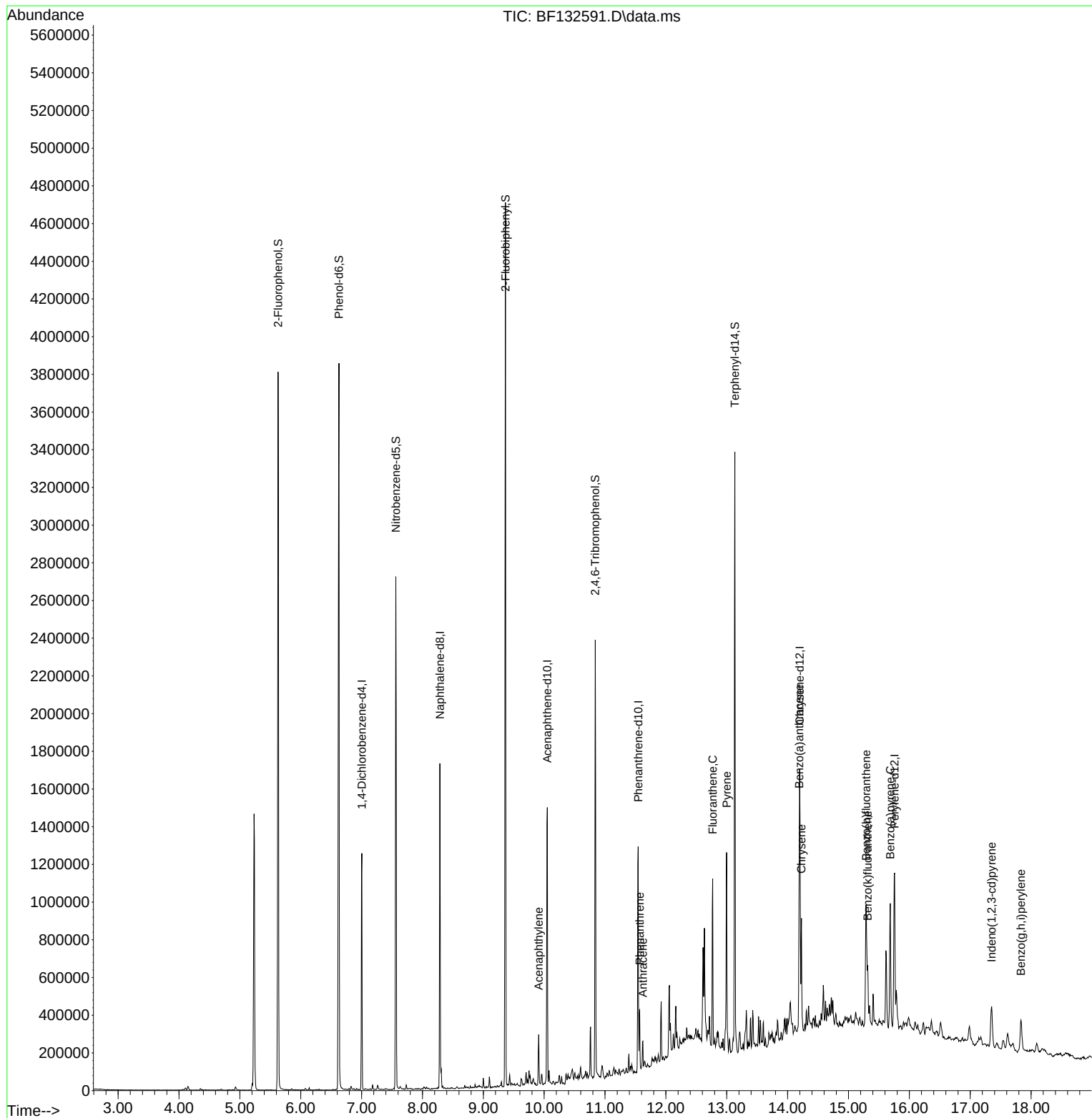
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
Data File : BF132591.D
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ALS Vial : 9 Sample Multiplier: 1

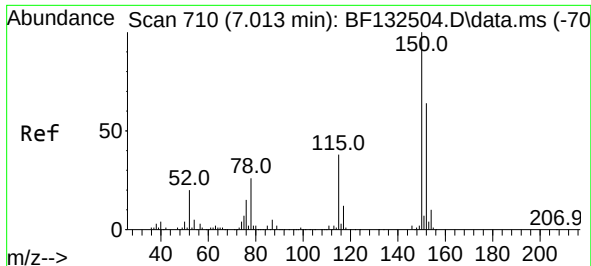
Instrument :
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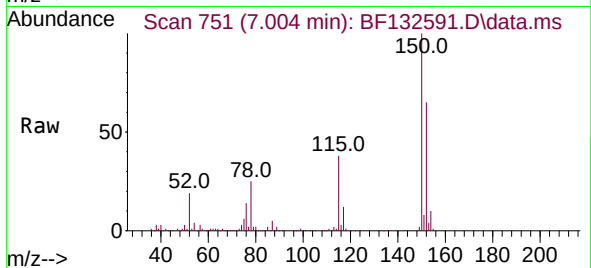
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

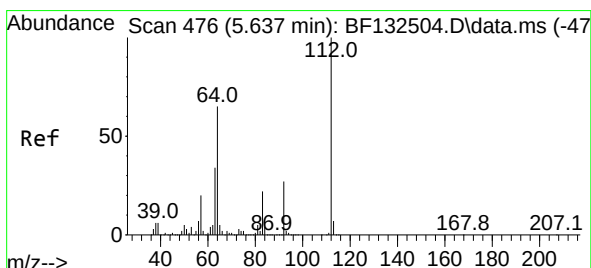
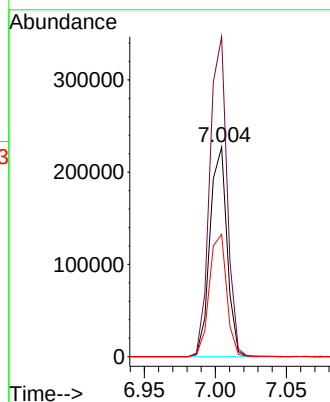
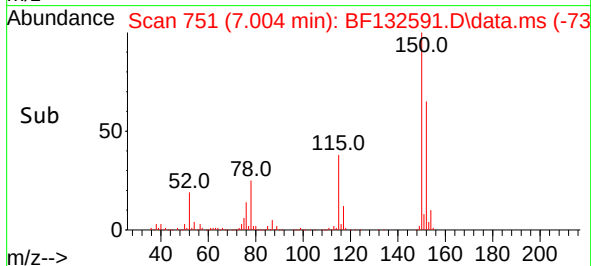
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:152 Resp: 189976
Ion Ratio Lower Upper
152 100
150 152.7 125.4 188.2
115 58.3 47.8 71.6

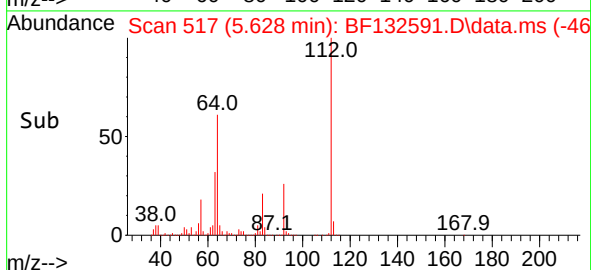
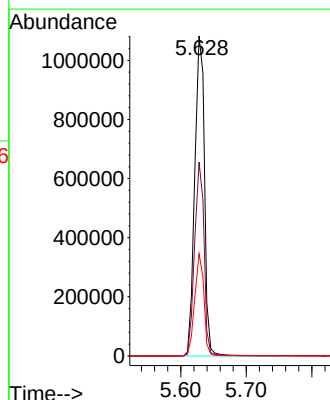
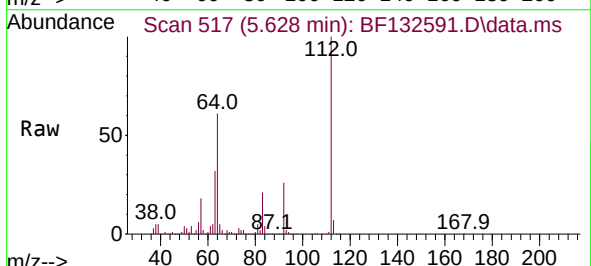
Manual Integrations
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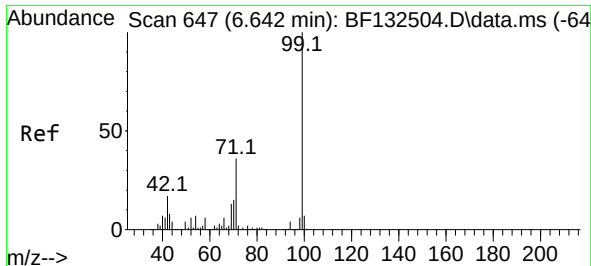
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#5
2-Fluorophenol
Concen: 95.805 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

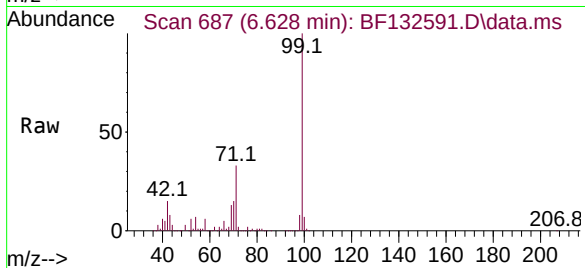
Tgt Ion:112 Resp: 1121442
Ion Ratio Lower Upper
112 100
64 60.5 51.6 77.4
63 31.9 27.4 41.2





#7
Phenol-d6
Concen: 92.957 ng
RT: 6.628 min Scan# 68
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

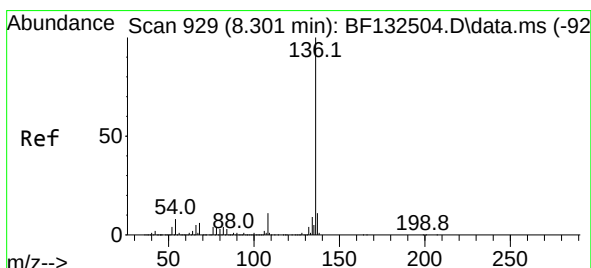
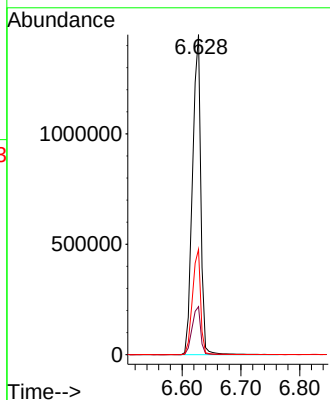
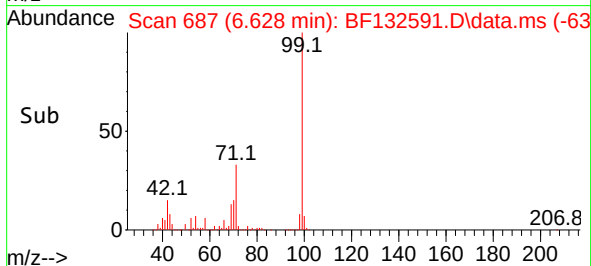
Instrument :
BNA_F
ClientSampleId :
TP-5



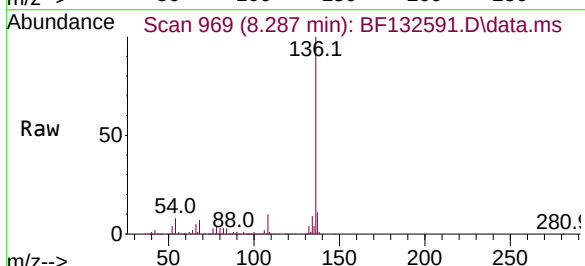
Tgt Ion: 99 Resp: 1420078
Ion Ratio Lower Upper
99 100
42 15.0 13.9 20.9
71 32.9 28.5 42.7

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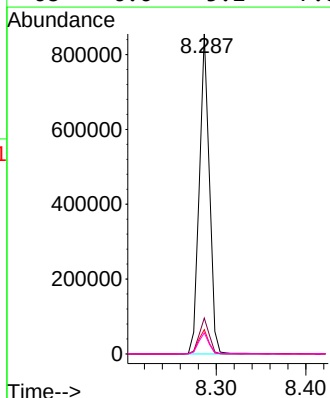
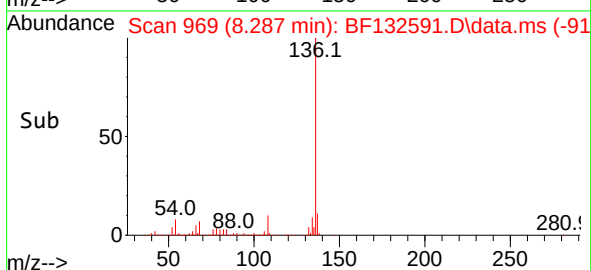
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

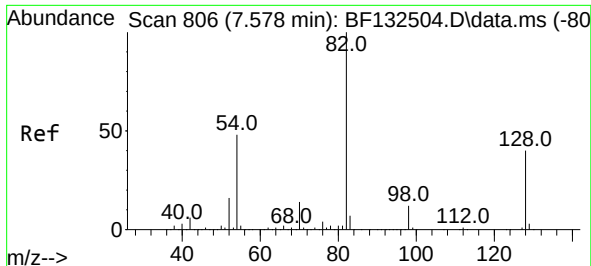


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08



Tgt Ion:136 Resp: 665525
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 6.2 9.4
68 6.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 62.717 ng

RT: 7.563 min Scan# 846

Delta R.T. -0.009 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 82 Resp: 879760

Ion Ratio Lower Upper

82 100

128 41.8 32.2 48.2

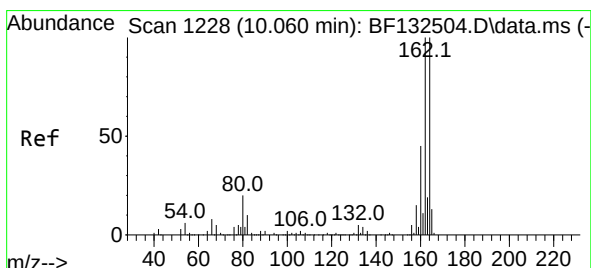
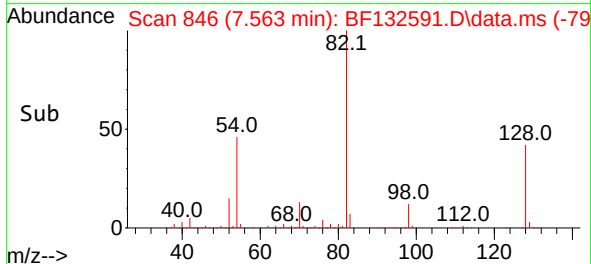
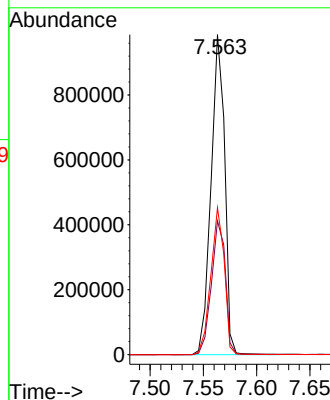
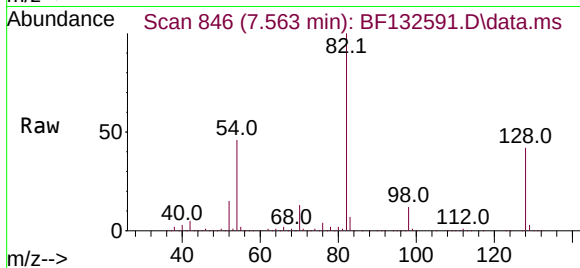
54 45.9 38.4 57.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.051 min Scan# 1269

Delta R.T. -0.003 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

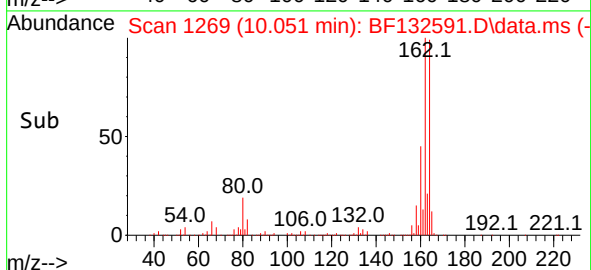
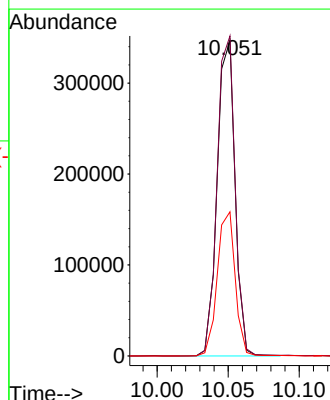
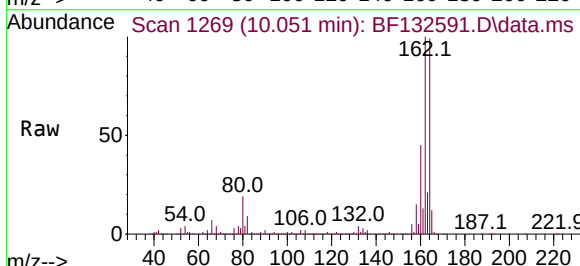
Tgt Ion:164 Resp: 303860

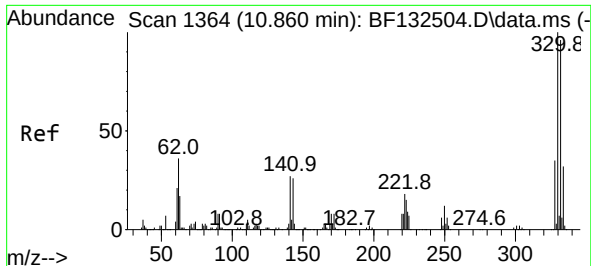
Ion Ratio Lower Upper

164 100

162 101.5 79.8 119.8

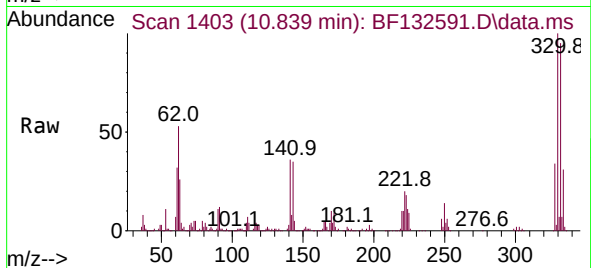
160 45.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 81.160 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

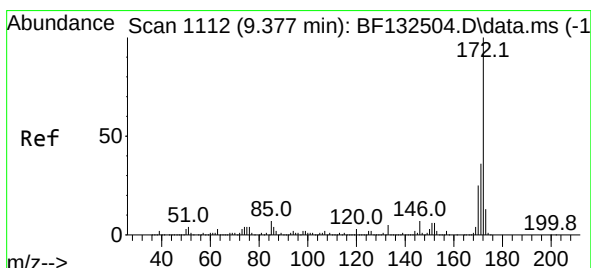
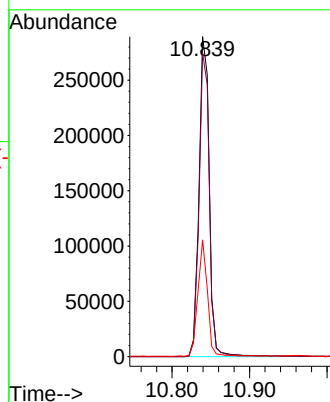
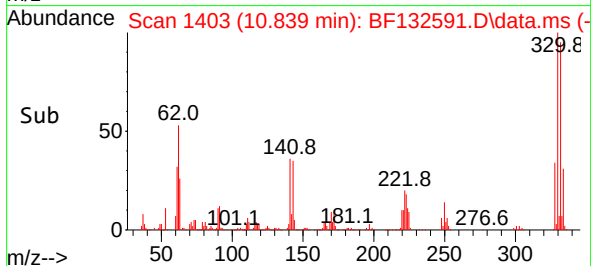
Instrument :
BNA_F
ClientSampleId :
TP-5



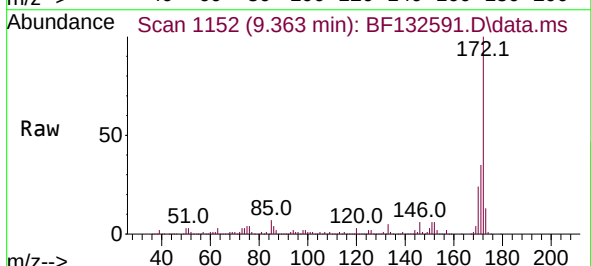
Tgt Ion: 330 Resp: 266333
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 33.9 28.4 42.6

Manual Integrations
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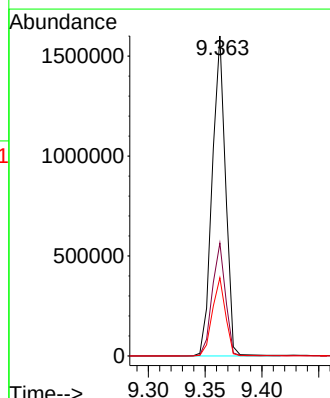
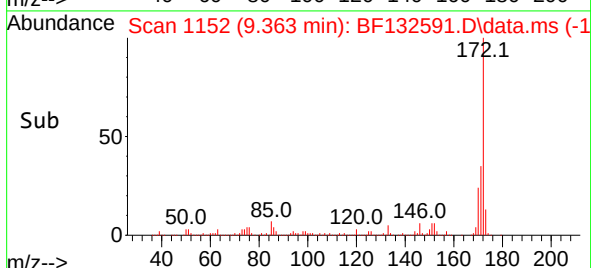
Reviewed By : Yogesh Patel 03/02/2023
Supervised By : Jagrut Upadhyay 03/02/2023

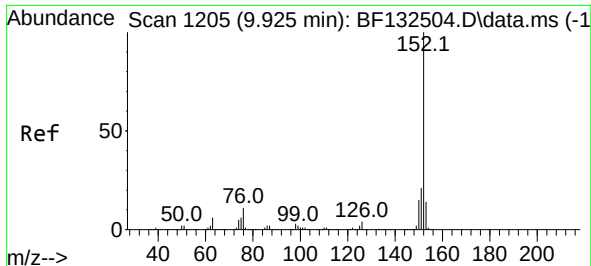


#45
2-Fluorobiphenyl
Concen: 65.706 ng
RT: 9.363 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08



Tgt Ion: 172 Resp: 1311221
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.4 19.7 29.5





#49

Acenaphthylene

Concen: 3.283 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.009 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

TP-5

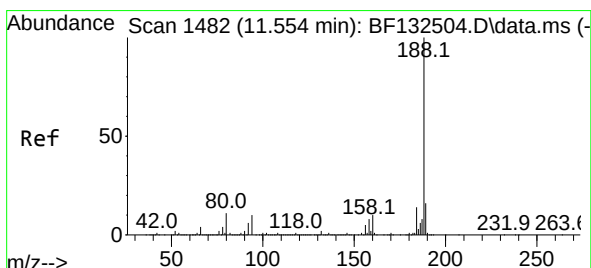
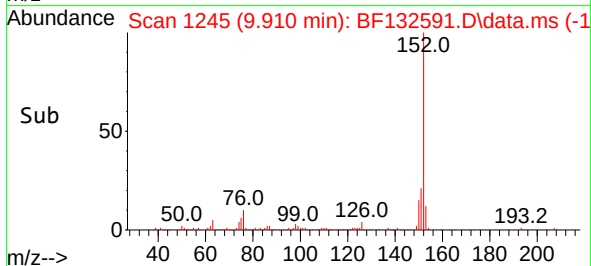
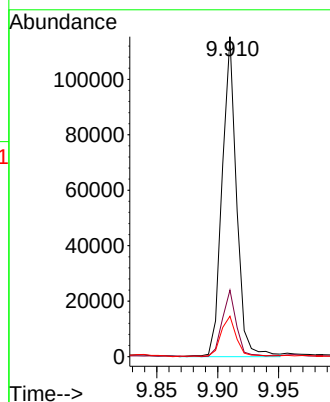
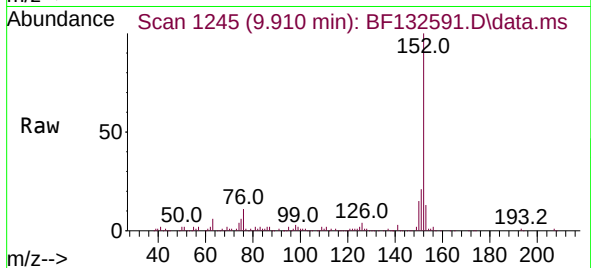
Tgt Ion:152	Resp:	95272
Ion Ratio	Lower	Upper
152	100	
151	20.8	16.4 24.6
153	12.6	11.0 16.6

Manual Integrations

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Reviewed By :Yogesh Patel 03/02/2023

Supervised By :Jagrut Upadhyay 03/02/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

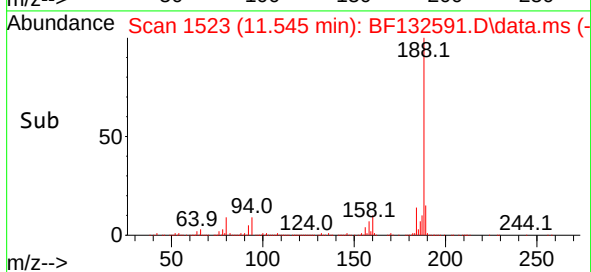
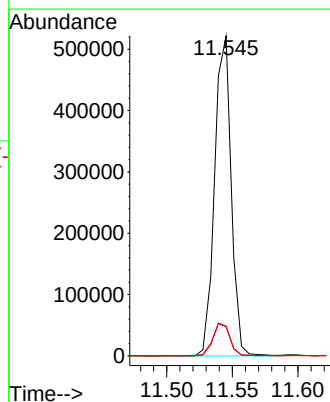
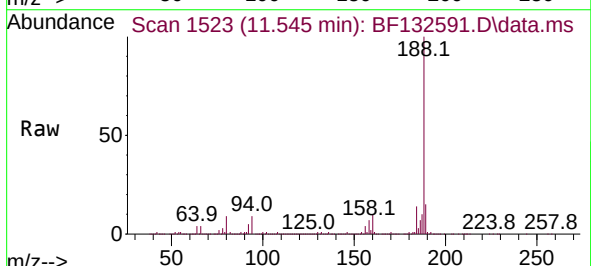
RT: 11.545 min Scan# 1523

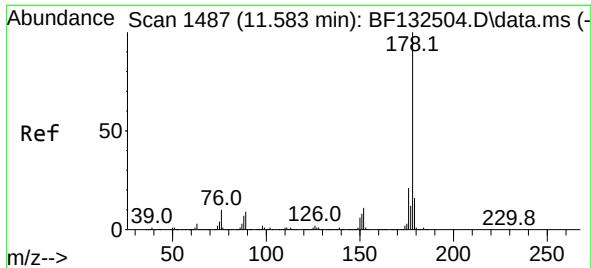
Delta R.T. -0.003 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Tgt Ion:188	Resp:	459718
Ion Ratio	Lower	Upper
188	100	
94	9.1	8.3 12.5
80	9.3	8.7 13.1





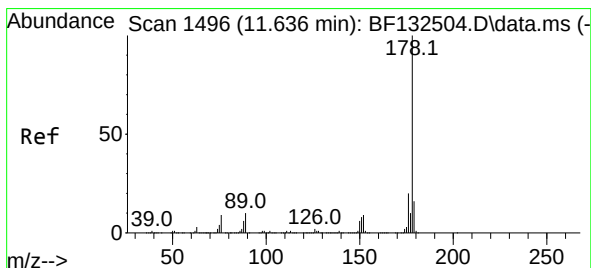
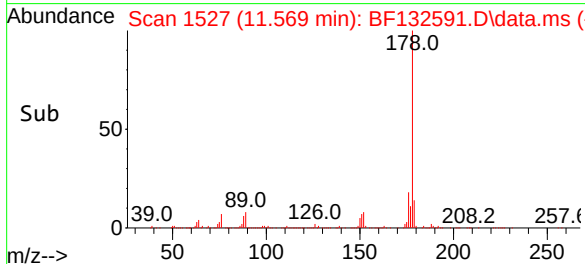
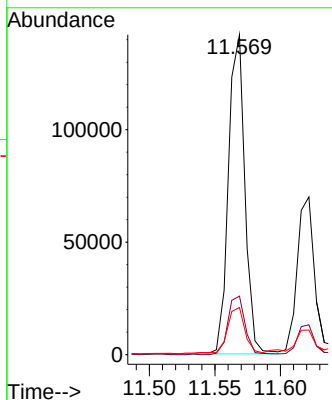
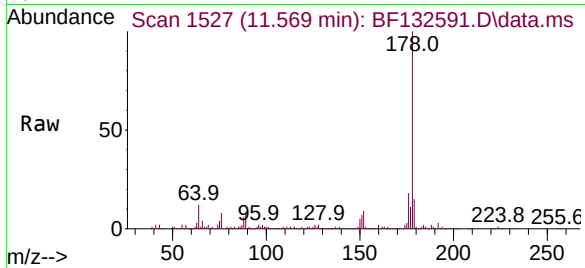
#71
Phenanthrene
Concen: 5.216 ng
RT: 11.569 min Scan# 11536
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:178 Resp: 124228
Ion Ratio Lower Upper
178 100
176 18.3 16.5 24.7
179 14.7 13.0 19.6

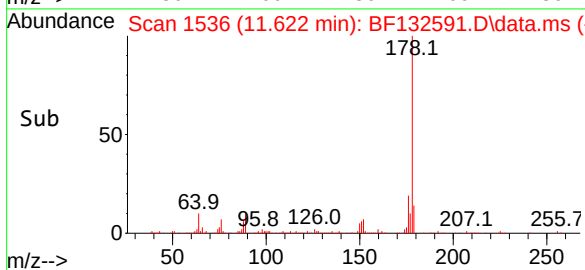
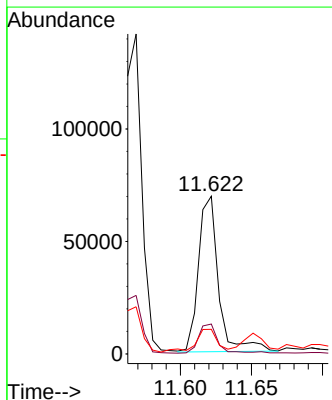
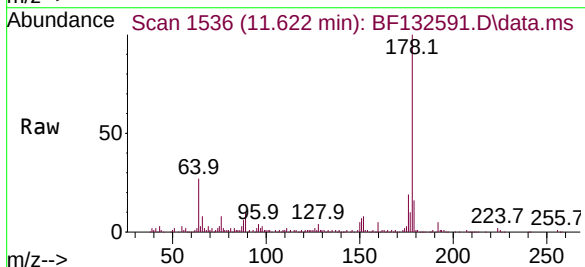
Manual Integrations
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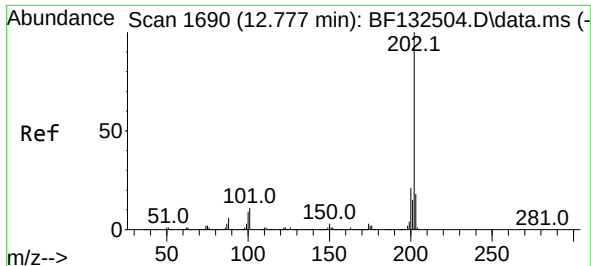
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#72
Anthracene
Concen: 2.766 ng
RT: 11.622 min Scan# 1536
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

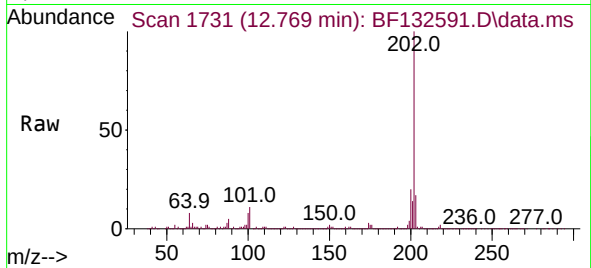
Tgt Ion:178 Resp: 67839
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.6 12.5 18.7





#75
Fluoranthene
Concen: 12.449 ng
RT: 12.769 min Scan# 1731
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

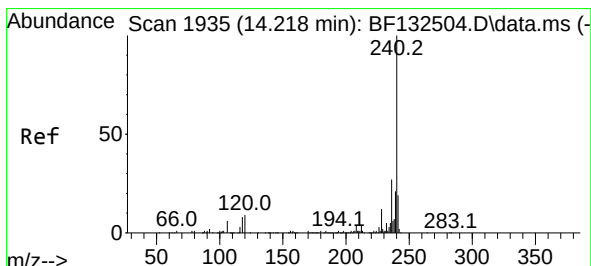
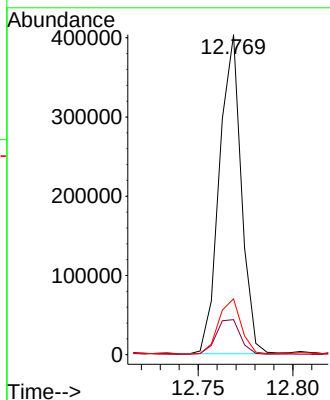
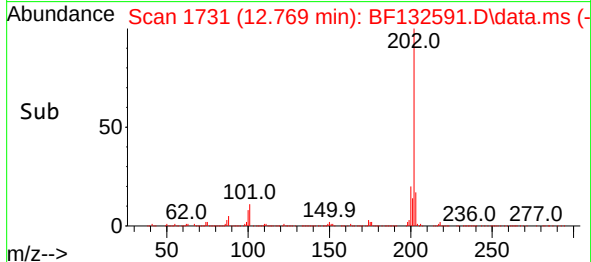
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:202 Resp: 324108
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.4 0.0 38.0

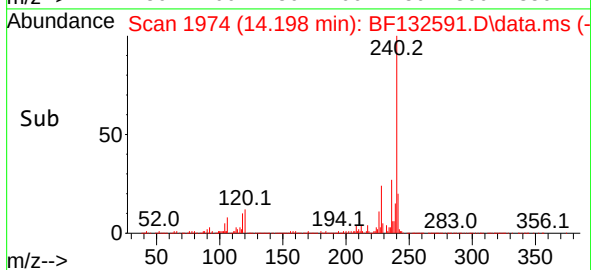
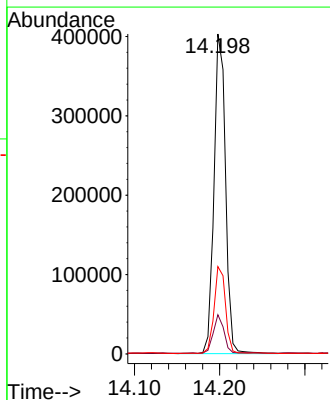
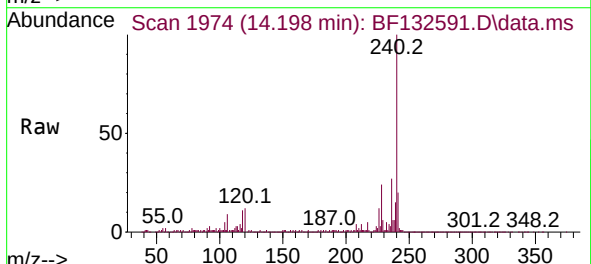
Manual Integrations
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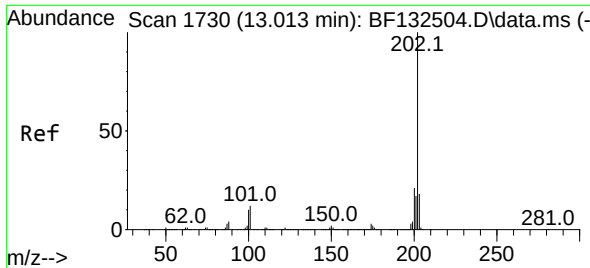
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1974
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

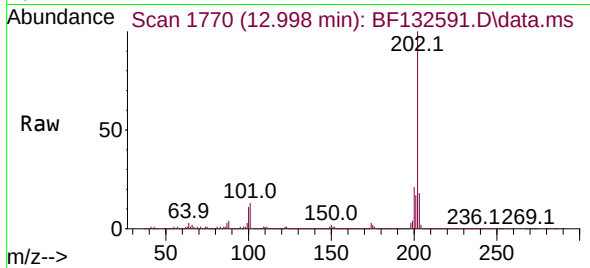
Tgt Ion:240 Resp: 378813
Ion Ratio Lower Upper
240 100
120 12.2 7.2 10.8#
236 27.3 21.8 32.6





#78
Pyrene
Concen: 11.906 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

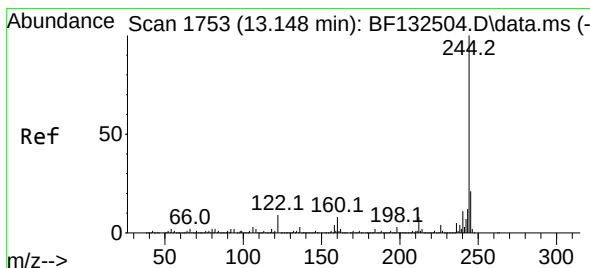
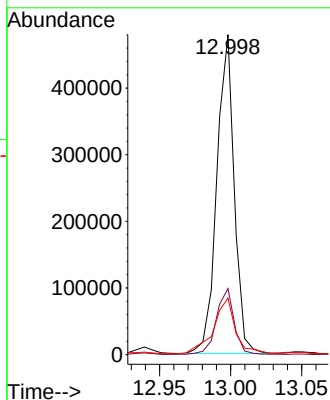
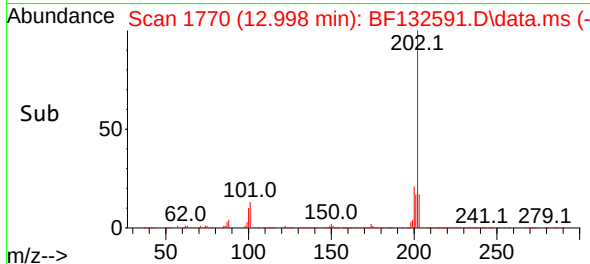
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:202 Resp: 410060
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.6 14.6 21.8

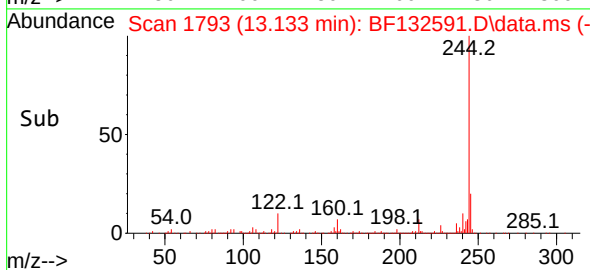
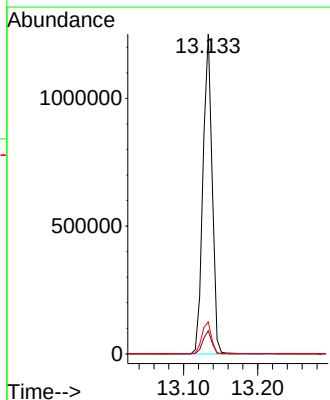
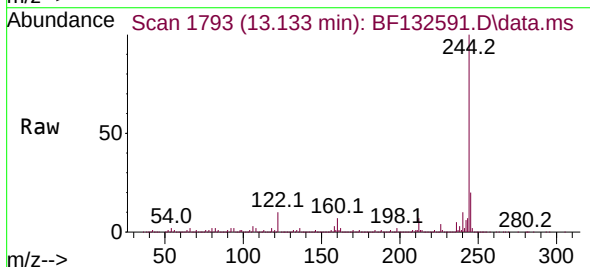
Manual Integrations
APPROVED

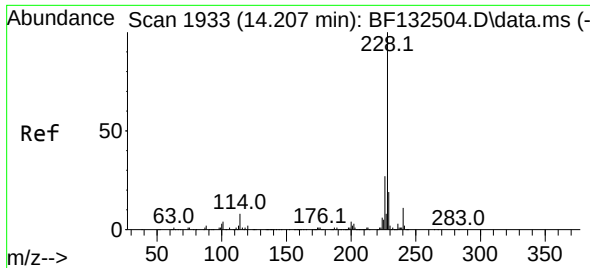
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#79
Terphenyl-d14
Concen: 47.847 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:244 Resp: 1072025
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 10.0 7.5 11.3





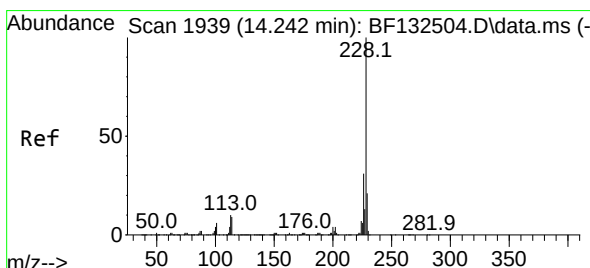
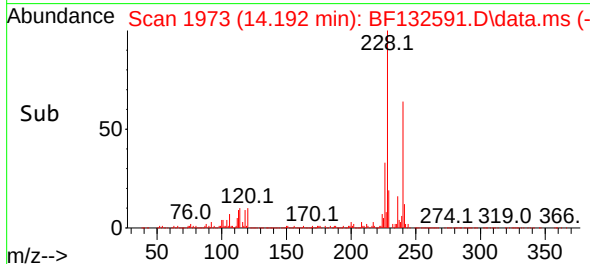
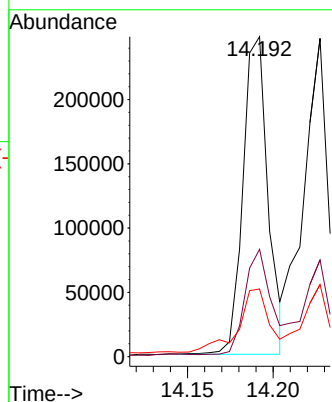
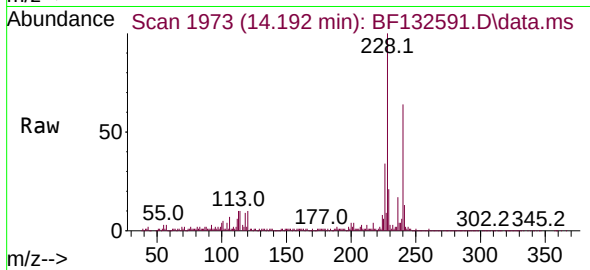
#81
Benzo(a)anthracene
Concen: 8.891 ng m
RT: 14.192 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:228 Resp: 251994
Ion Ratio Lower Upper
228 100
226 33.6 21.7 32.5
229 21.1 15.4 23.2

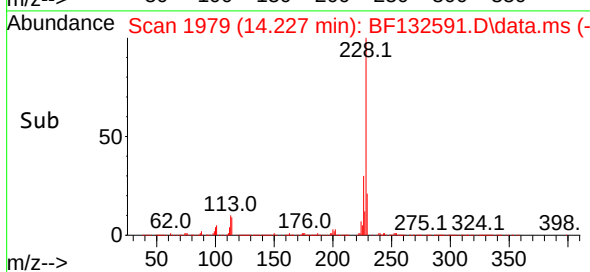
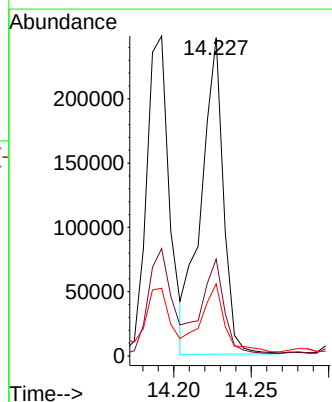
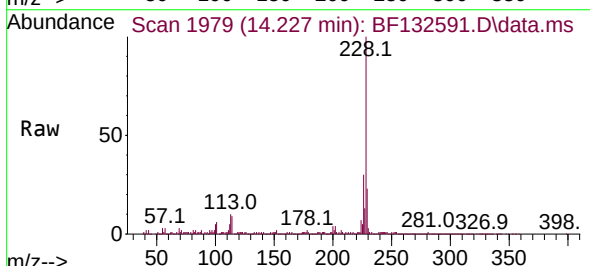
Manual Integrations
APPROVED

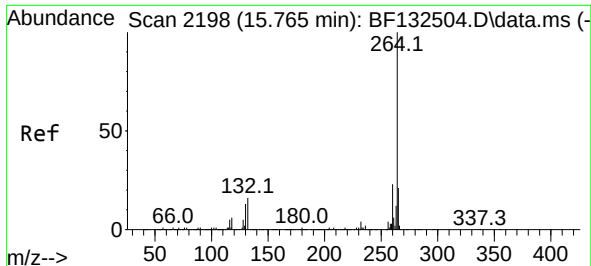
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#83
Chrysene
Concen: 9.318 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

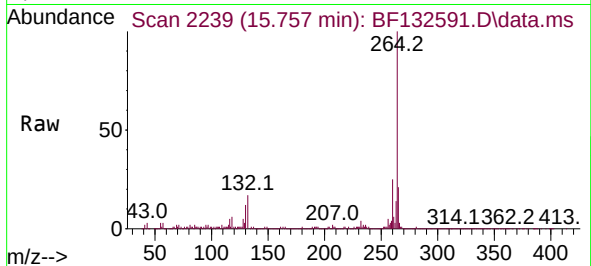
Tgt Ion:228 Resp: 246965
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.7 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

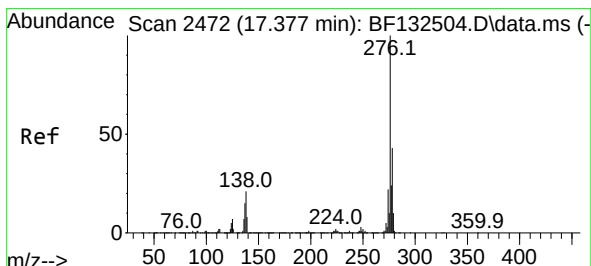
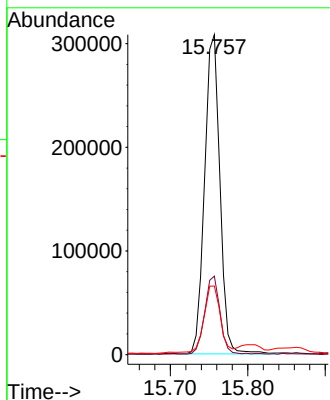
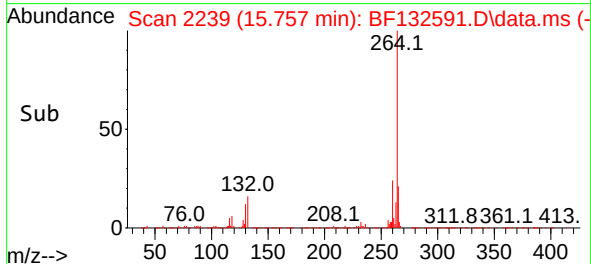
Instrument :
BNA_F
ClientSampleId :
TP-5



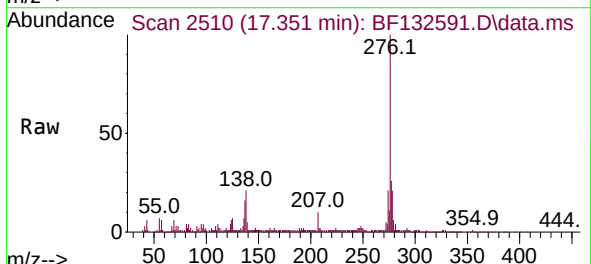
Tgt Ion:264 Resp: 422636
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 21.4 17.1 25.7

Manual Integrations
APPROVED

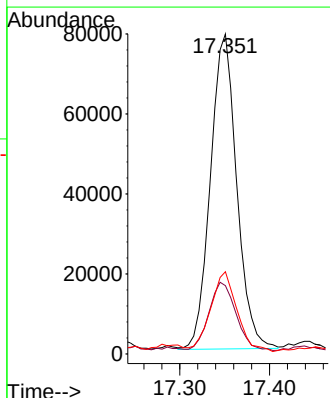
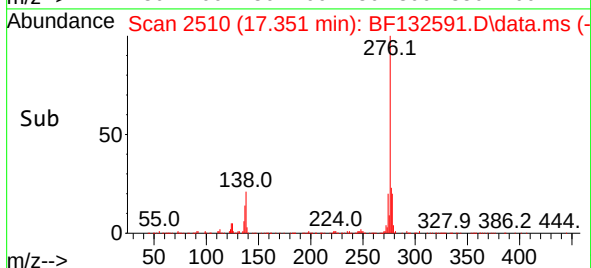
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

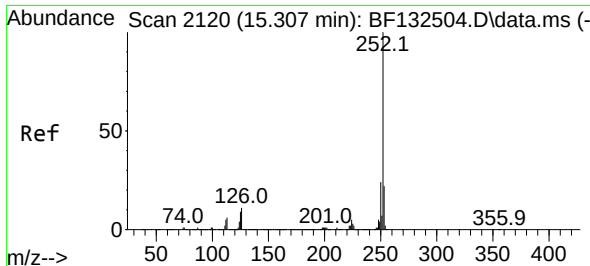


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.795 ng
RT: 17.351 min Scan# 2510
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08



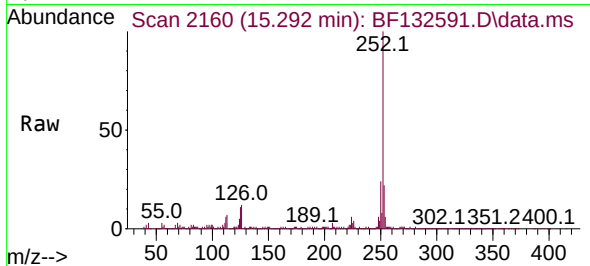
Tgt Ion:276 Resp: 160494
Ion Ratio Lower Upper
276 100
138 22.3 19.0 28.4
277 25.4 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 14.761 ng m
RT: 15.292 min Scan# 2119
Delta R.T. -0.003 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

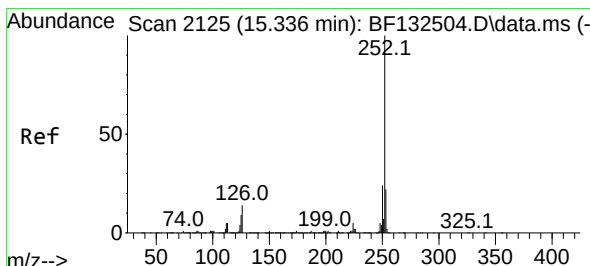
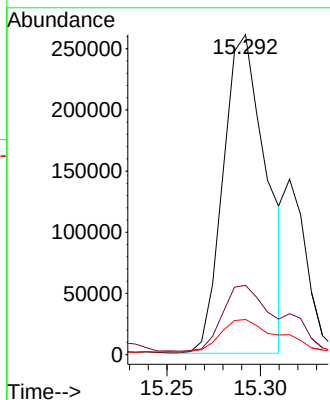
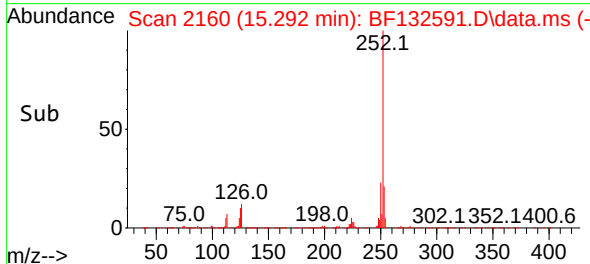
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 418065
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 11.0 7.0 10.6

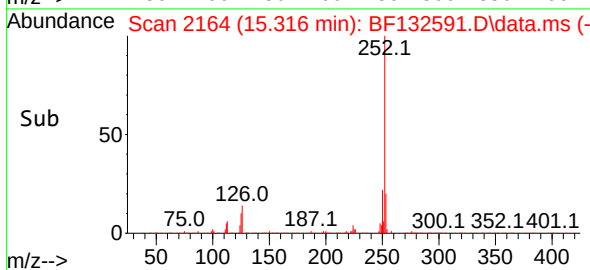
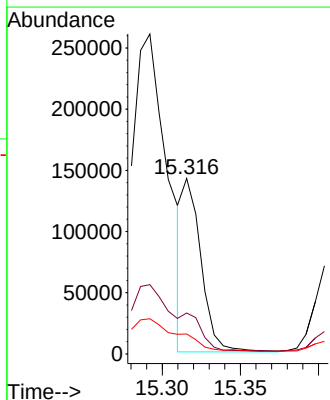
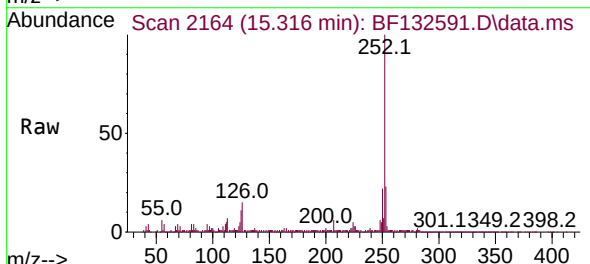
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APPROVED

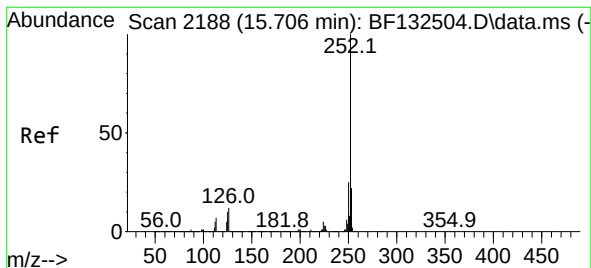
Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023



#89
Benzo(k)fluoranthene
Concen: 4.221 ng m
RT: 15.316 min Scan# 2164
Delta R.T. -0.009 min
Lab File: BF132591.D
Acq: 01 Mar 2023 15:08

Tgt Ion:252 Resp: 116999
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.4 7.2 10.8





#90

Benzo(a)pyrene

Concen: 12.510 ng

RT: 15.686 min Scan# 2188

Delta R.T. -0.003 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Instrument :

BNA_F

ClientSampleId :

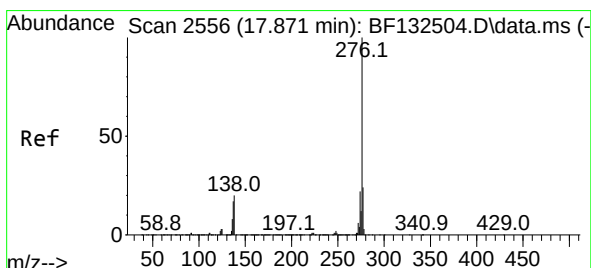
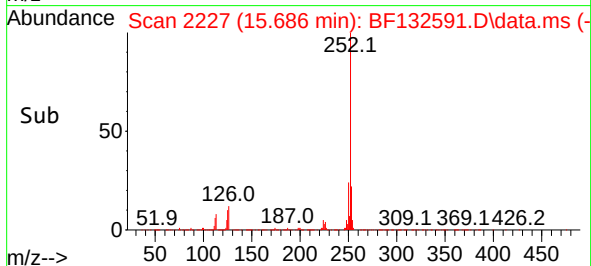
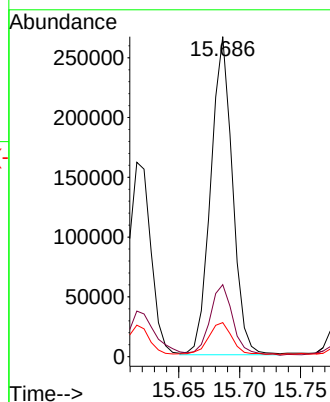
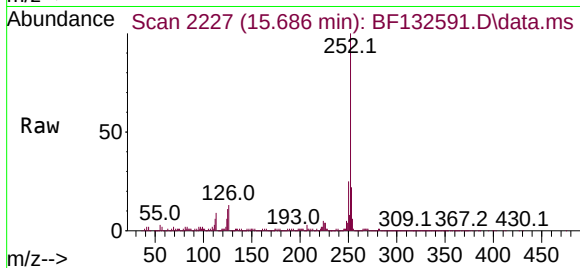
TP-5

Tgt Ion:252 Resp: 331603
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.2 25.8
 125 10.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/02/2023



#92

Benzo(g,h,i)perylene

Concen: 7.401 ng

RT: 17.833 min Scan# 2592

Delta R.T. -0.020 min

Lab File: BF132591.D

Acq: 01 Mar 2023 15:08

Tgt Ion:276 Resp: 152692
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.9 28.3
 138 23.4 16.2 24.4

