

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
 Data File : BF132610.D
 Acq On : 02 Mar 2023 16:33
 Operator : CG\JU
 Sample : 01749-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-5

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 17:21:17 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	6.998	152	178727	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	640102	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	370426	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	686386	20.000	ng	0.00
76) Chrysene-d12	14.204	240	322384	20.000	ng	0.00
86) Perylene-d12	15.757	264	397342	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1035481	94.029	ng	0.00
7) Phenol-d6	6.622	99	1322029	91.986	ng	-0.01
23) Nitrobenzene-d5	7.563	82	809073	59.969	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	330656	82.655	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1379280	56.696	ng	0.00
79) Terphenyl-d14	13.133	244	1183651	62.077	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.569	178	169450	4.765	ng	99
75) Fluoranthene	12.763	202	214316	5.513	ng	98
78) Pyrene	12.998	202	173694	5.926	ng	97
81) Benzo(a)anthracene	14.192	228	67557	2.801	ng	97
83) Chrysene	14.227	228	53839	2.387	ng	97
88) Benzo(b)fluoranthene	15.292	252	73948m	2.777	ng	
90) Benzo(a)pyrene	15.686	252	55710	2.235	ng	96
92) Benzo(g,h,i)perylene	17.839	276	29875	2.818	ng	98

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

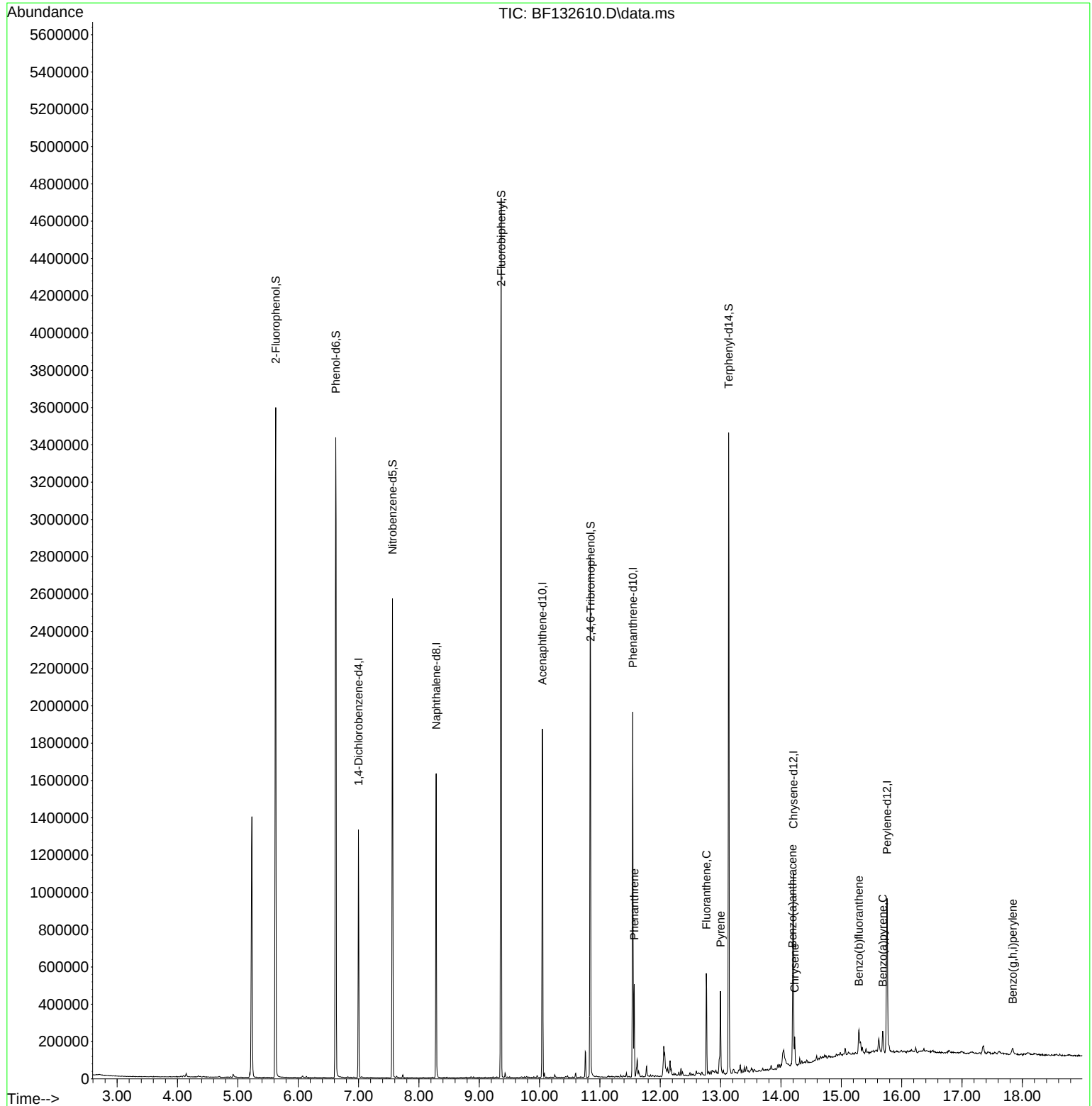
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
Data File : BF132610.D
Acq On : 02 Mar 2023 16:33
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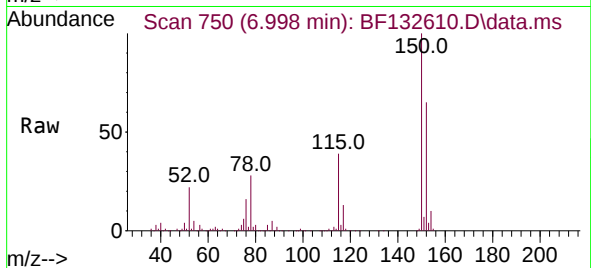
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

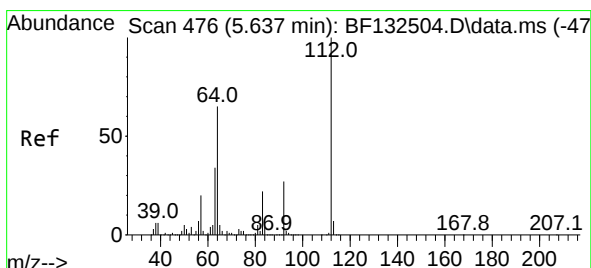
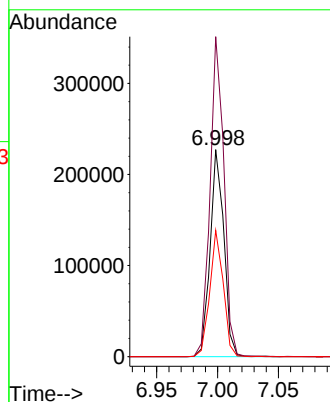
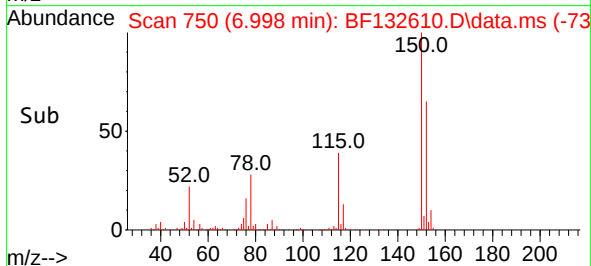
Instrument :
BNA_F
ClientSampleId :
CF-5



Tgt Ion:152 Resp: 17872
Ion Ratio Lower Upper
152 100
150 154.6 125.4 188.2
115 61.0 47.8 71.6

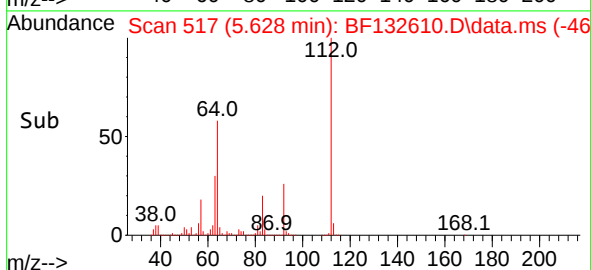
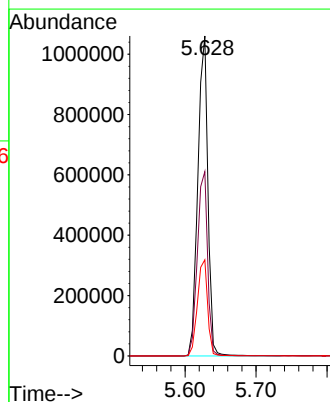
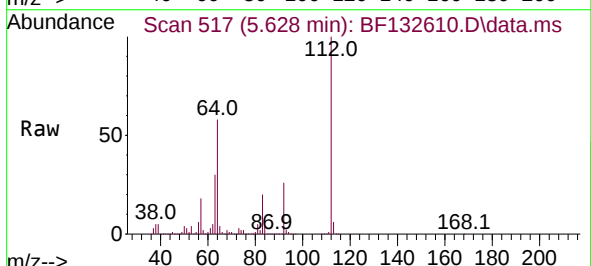
Manual Integrations
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Supervised By :Jagrut Upadhyay 03/03/2023



#5
2-Fluorophenol
Concen: 94.029 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

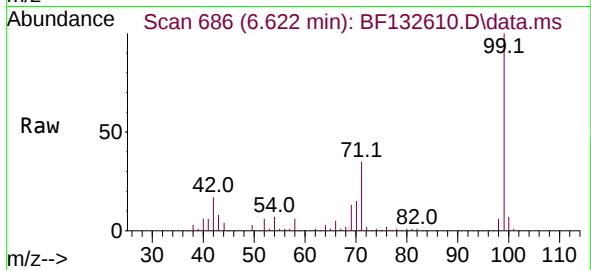
Tgt Ion:112 Resp: 1035481
Ion Ratio Lower Upper
112 100
64 57.6 51.6 77.4
63 30.0 27.4 41.2





#7
Phenol-d6
Concen: 91.986 ng
RT: 6.622 min Scan# 686
Delta R.T. -0.015 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

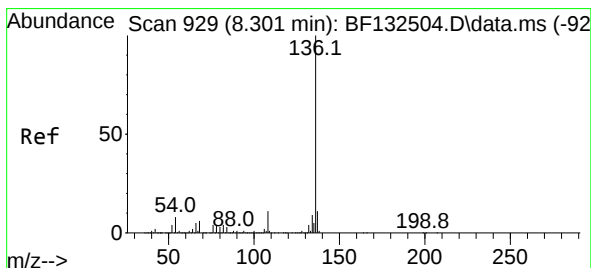
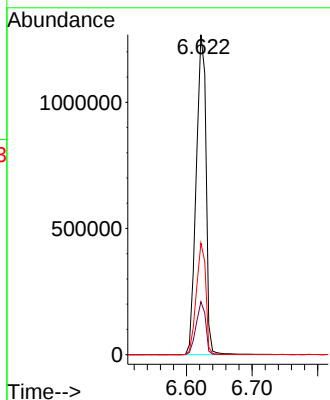
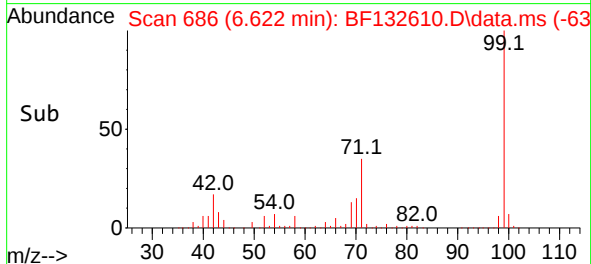
Instrument :
BNA_F
ClientSampleId :
CF-5



Tgt Ion: 99 Resp: 1322029
Ion Ratio Lower Upper
99 100
42 16.6 13.9 20.9
71 34.9 28.5 42.7

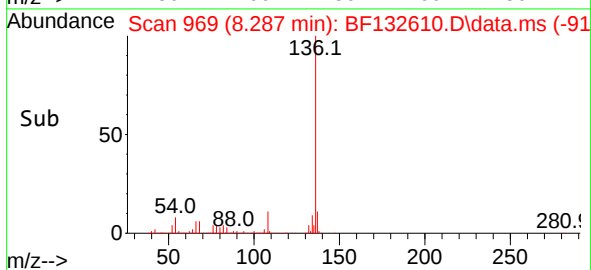
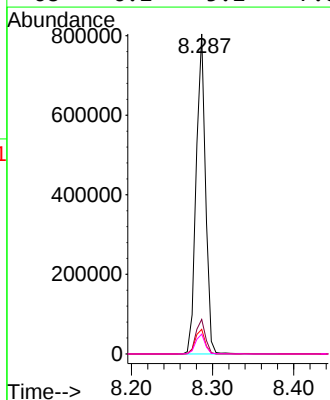
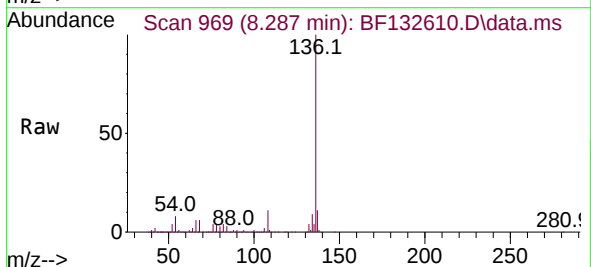
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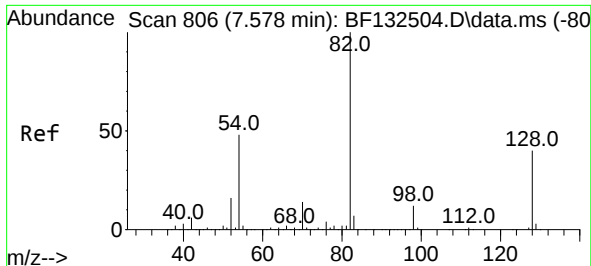
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Tgt Ion:136 Resp: 640102
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.7 6.2 9.4
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 59.969 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

Instrument :

BNA_F

ClientSampleId :

CF-5

Tgt Ion: 82 Resp: 809073

Ion Ratio Lower Upper

82 100

128 41.6 32.2 48.2

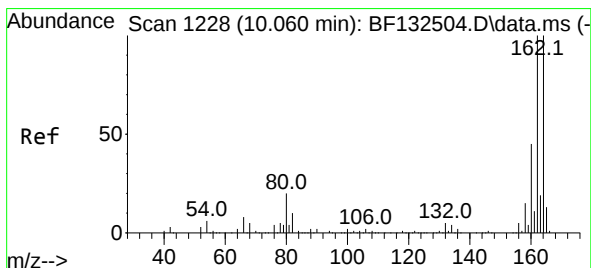
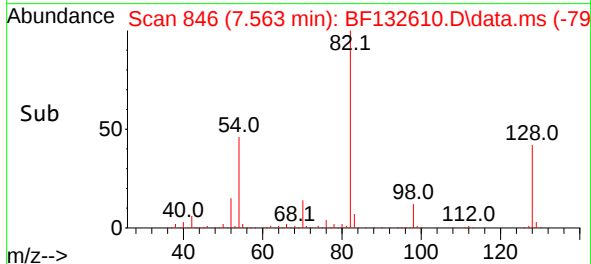
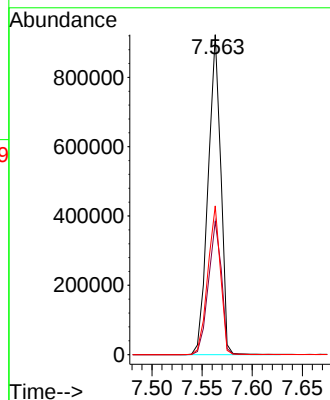
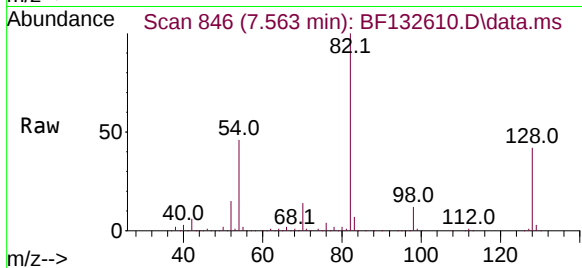
54 46.5 38.4 57.6

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Reviewed By :Yogesh Patel 03/03/2023

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1268

Delta R.T. -0.009 min

Lab File: BF132610.D

Acq: 02 Mar 2023 16:33

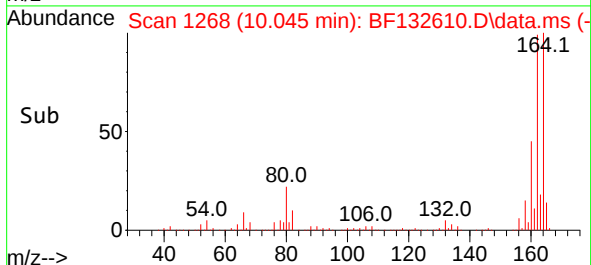
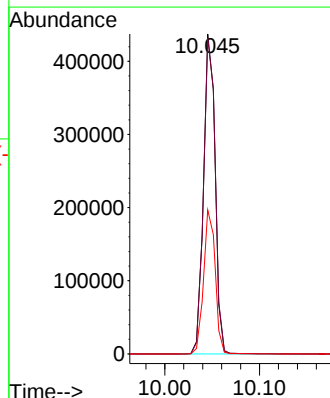
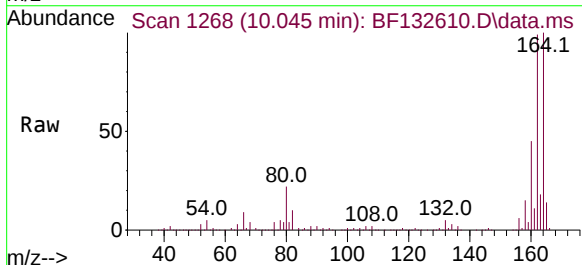
Tgt Ion:164 Resp: 370426

Ion Ratio Lower Upper

164 100

162 98.7 79.8 119.8

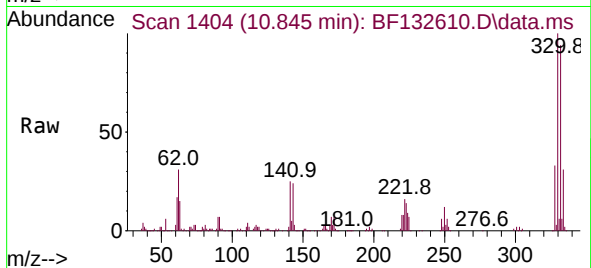
160 45.0 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 82.655 ng
RT: 10.845 min Scan# 1404
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

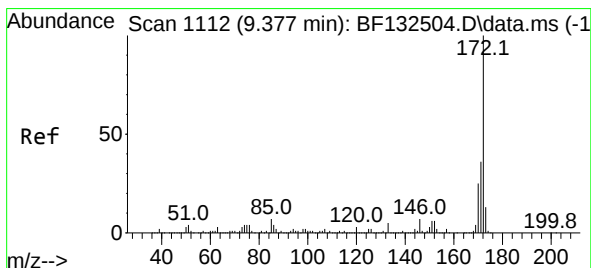
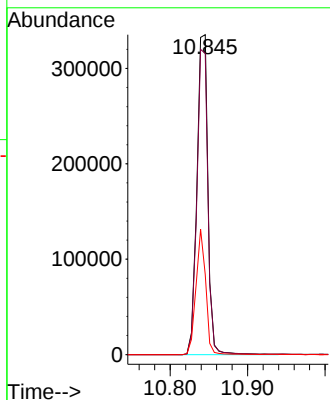
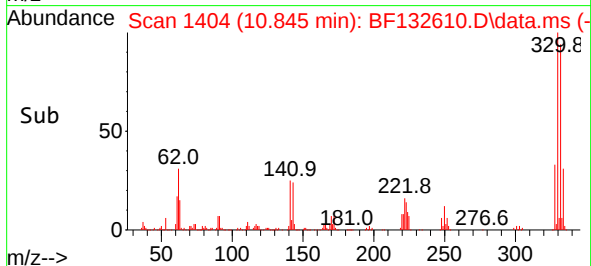
Instrument :
BNA_F
ClientSampleId :
CF-5



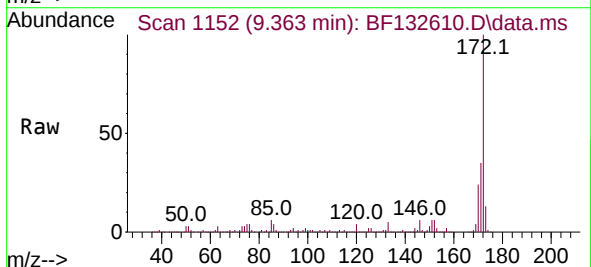
Tgt Ion: 330 Resp: 330656
Ion Ratio Lower Upper
330 100
332 95.3 76.2 114.4
141 34.6 28.4 42.6

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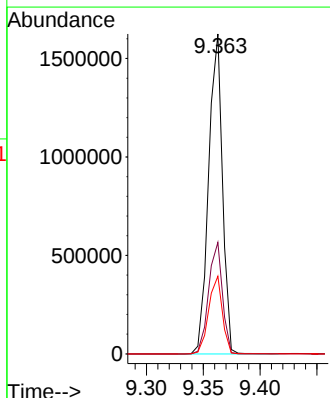
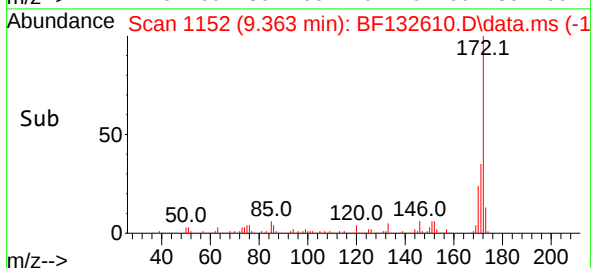
Reviewed By : Yogesh Patel 03/03/2023
Supervised By : Jagrut Upadhyay 03/03/2023



#45
2-Fluorobiphenyl
Concen: 56.696 ng
RT: 9.363 min Scan# 1152
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33



Tgt Ion: 172 Resp: 1379280
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 24.3 19.7 29.5





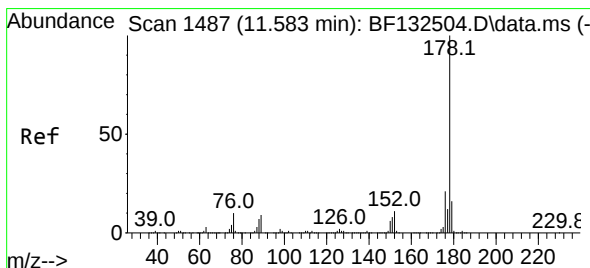
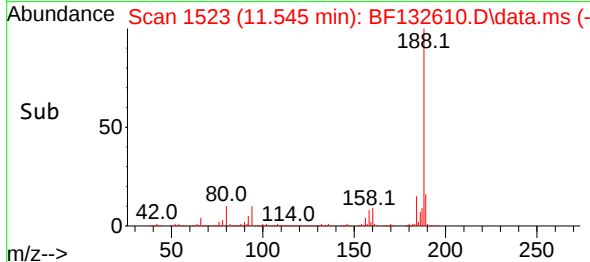
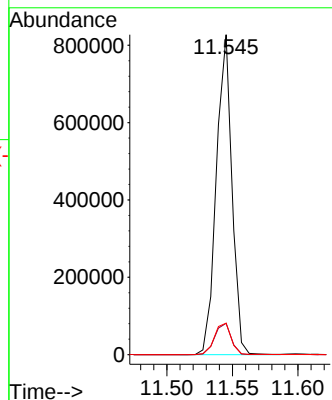
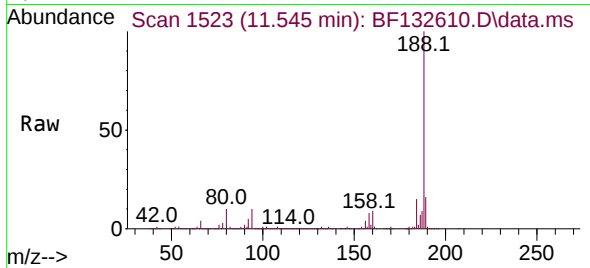
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Instrument :
BNA_F
ClientSampleId :
CF-5

Tgt Ion:188 Resp: 686386
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 9.8 8.7 13.1

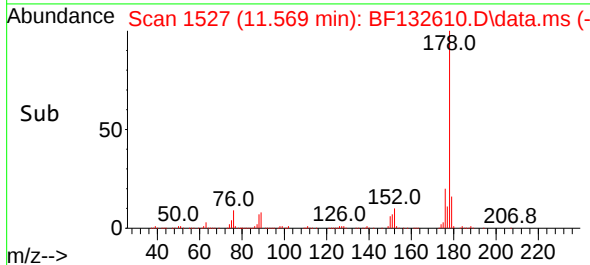
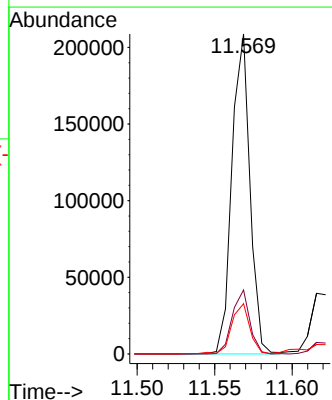
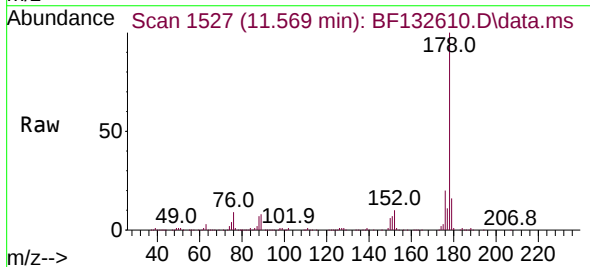
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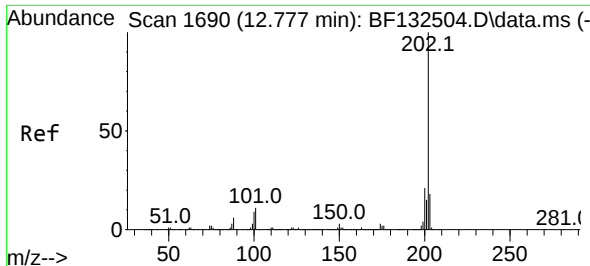
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#71
Phenanthrene
Concen: 4.765 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

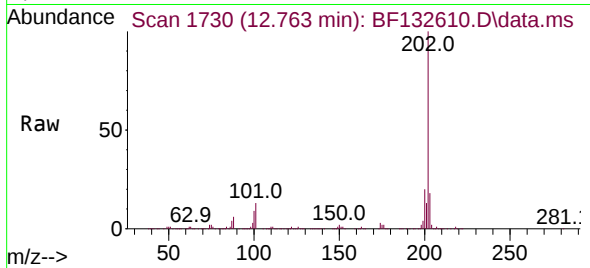
Tgt Ion:178 Resp: 169450
Ion Ratio Lower Upper
178 100
176 20.0 16.5 24.7
179 15.7 13.0 19.6





#75
Fluoranthene
Concen: 5.513 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

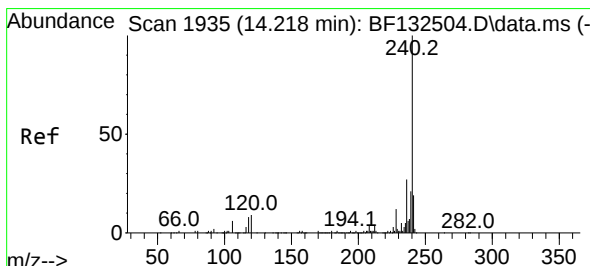
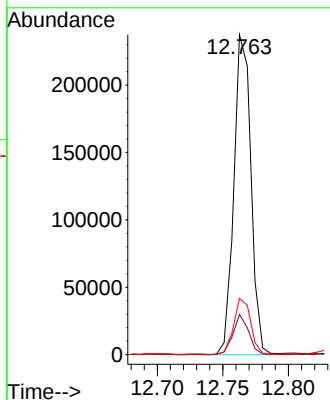
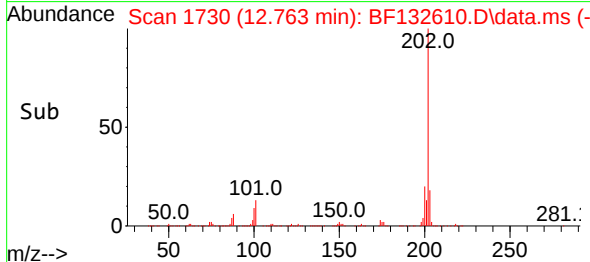
Instrument :
BNA_F
ClientSampleId :
CF-5



Tgt Ion:202 Resp: 214316
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 17.6 0.0 38.0

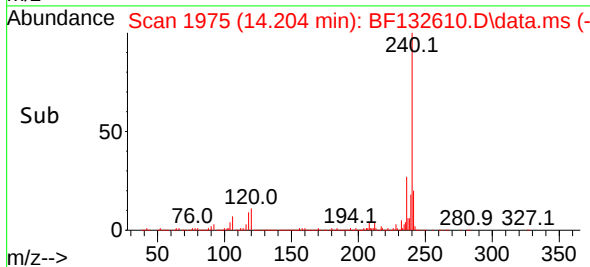
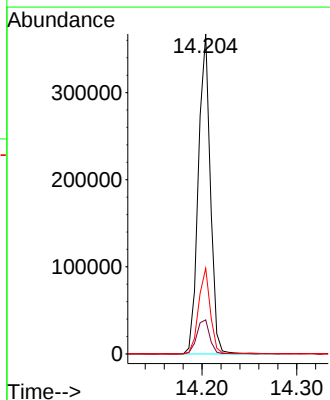
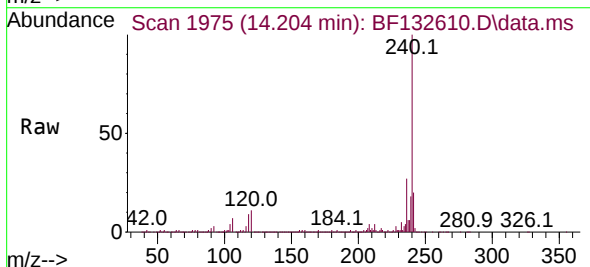
Manual Integrations
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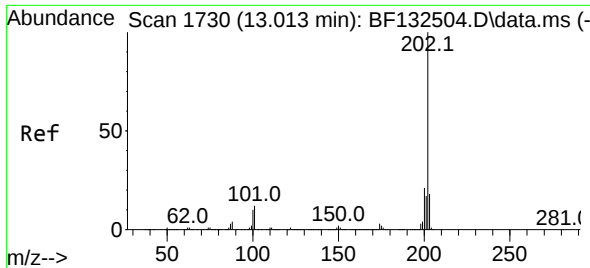
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

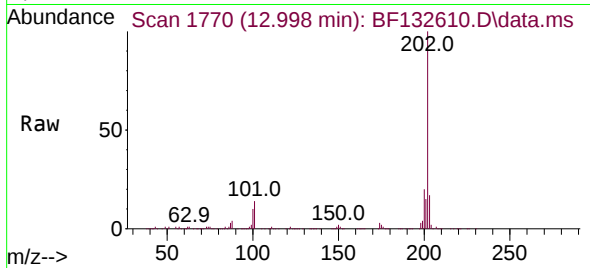
Tgt Ion:240 Resp: 322384
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 26.8 21.8 32.6





#78
Pyrene
Concen: 5.926 ng
RT: 12.998 min Scan# 173694
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

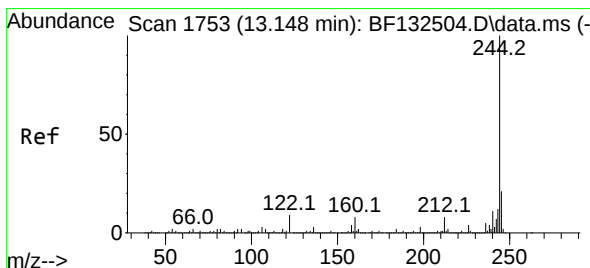
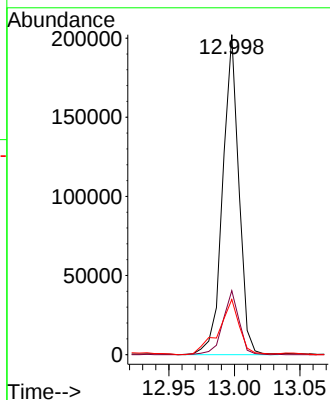
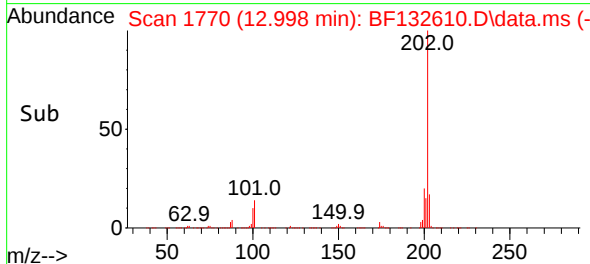
Instrument :
BNA_F
ClientSampleId :
CF-5



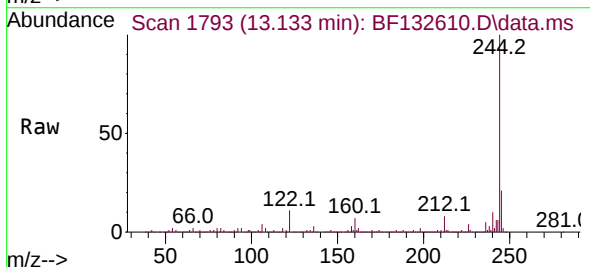
Tgt Ion:202 Resp: 173694
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 17.2 14.6 21.8

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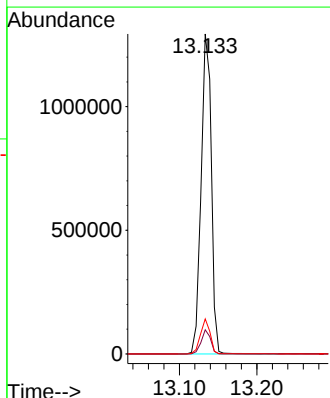
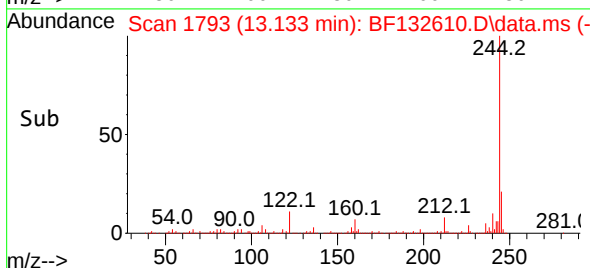
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

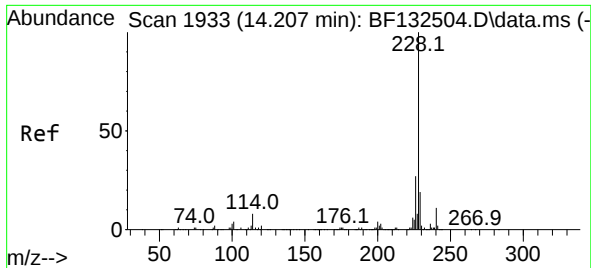


#79
Terphenyl-d14
Concen: 62.077 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33



Tgt Ion:244 Resp: 1183651
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 10.9 7.5 11.3





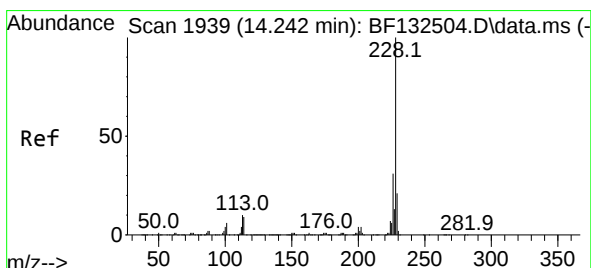
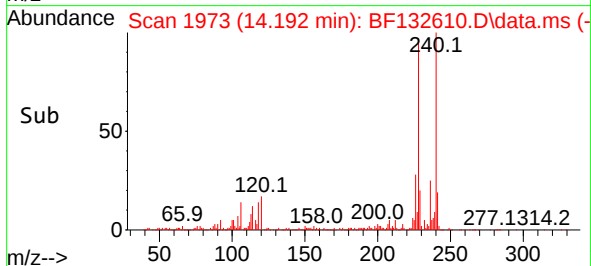
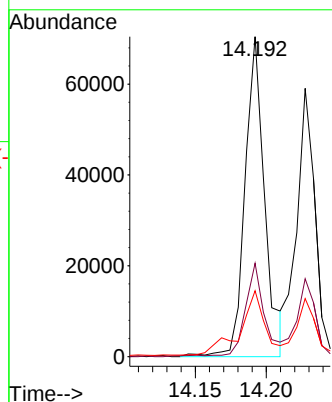
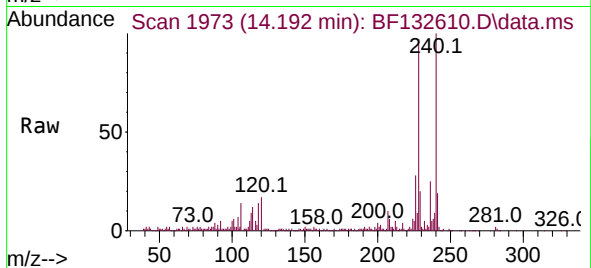
#81
Benzo(a)anthracene
Concen: 2.801 ng
RT: 14.192 min Scan# 1973
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

Instrument :
BNA_F
ClientSampleId :
CF-5

Tgt Ion:228 Resp: 6755
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 20.6 15.4 23.2

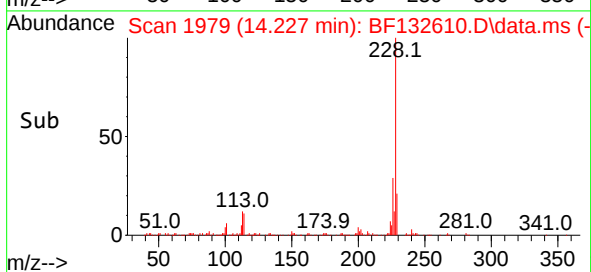
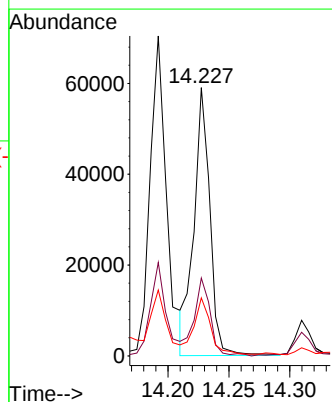
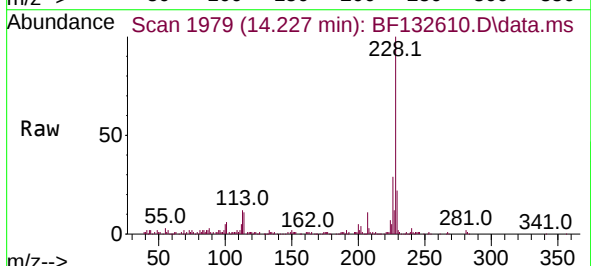
Manual Integrations
APPROVED

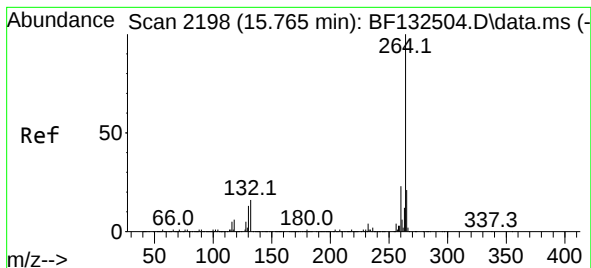
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#83
Chrysene
Concen: 2.387 ng
RT: 14.227 min Scan# 1979
Delta R.T. -0.009 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

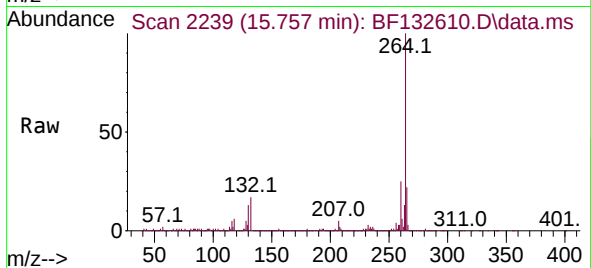
Tgt Ion:228 Resp: 53839
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 21.6 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

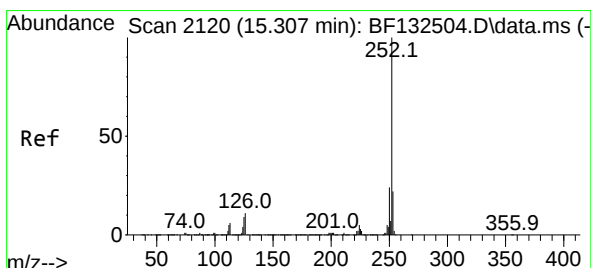
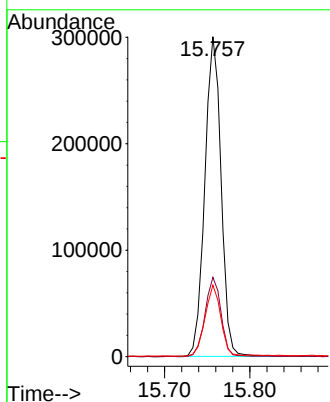
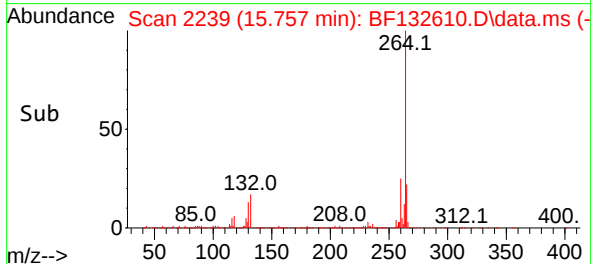
Instrument :
BNA_F
ClientSampleId :
CF-5



Tgt Ion:264 Resp: 397342
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 22.3 17.1 25.7

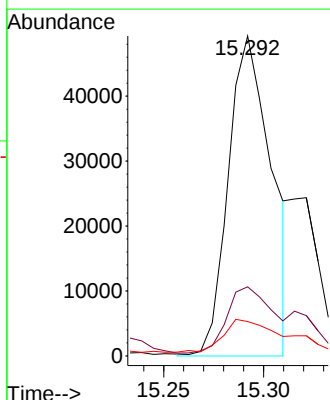
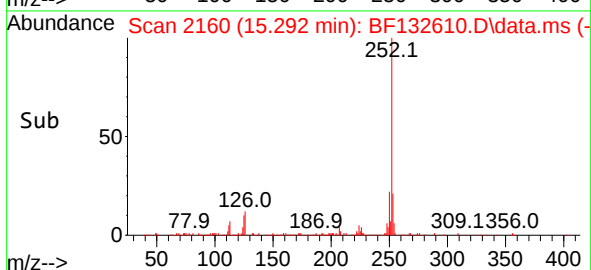
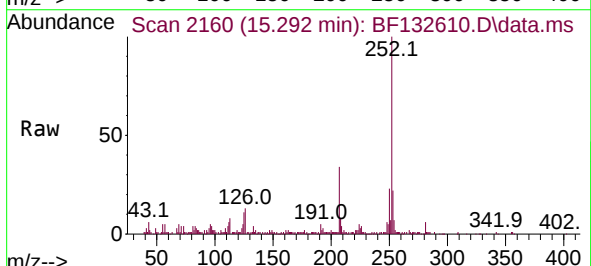
Manual Integrations
APPROVED

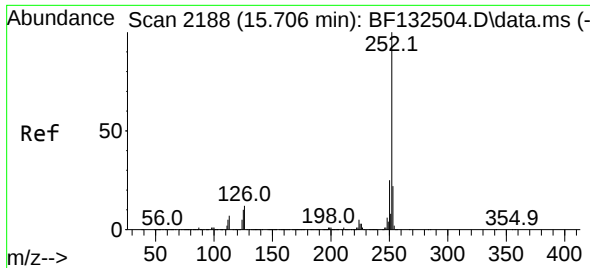
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#88
Benzo(b)fluoranthene
Concen: 2.777 ng m
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

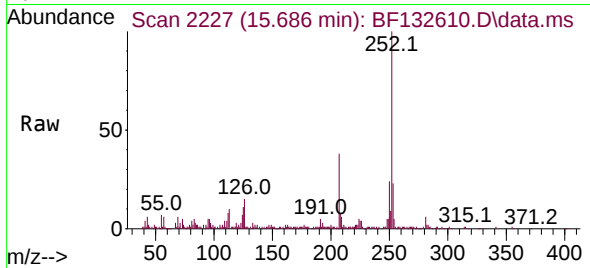
Tgt Ion:252 Resp: 73948
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 10.7 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 2.235 ng
RT: 15.686 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33

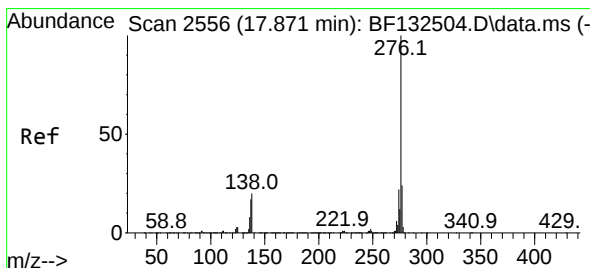
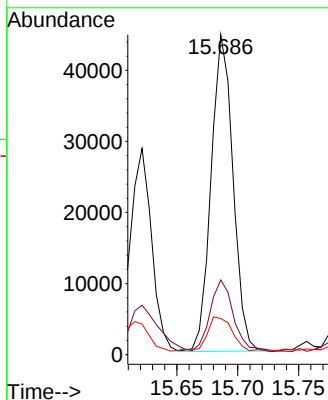
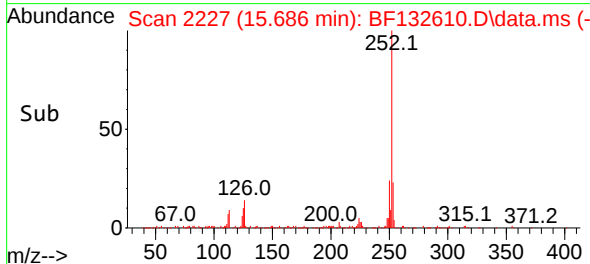
Instrument :
BNA_F
ClientSampleId :
CF-5



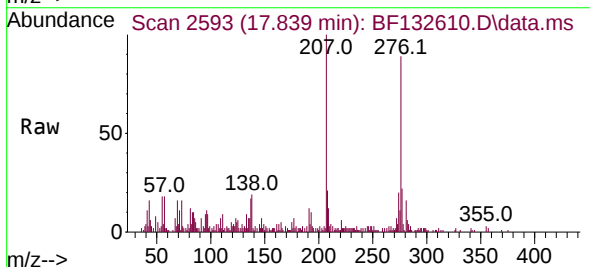
Tgt Ion:252 Resp: 55710
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 11.3 8.0 12.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.818 ng
RT: 17.839 min Scan# 2593
Delta R.T. -0.015 min
Lab File: BF132610.D
Acq: 02 Mar 2023 16:33



Tgt Ion:276 Resp: 29875
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 21.0 16.2 24.4

