

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133362.D
 Acq On : 11 May 2023 19:13
 Operator : CG\JU
 Sample : 02747-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-5-7-20230510

Quant Time: May 12 04:31:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	184153	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	623135	20.000	ng	# 0.00
39) Acenaphthene-d10	9.769	164	250832	20.000	ng	0.01
64) Phenanthrene-d10	11.251	188	462629	20.000	ng	0.01
76) Chrysene-d12	13.874	240	404899	20.000	ng	0.00
86) Perylene-d12	15.292	264	472753	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	863596	70.841	ng	0.00
7) Phenol-d6	6.363	99	1079848	71.366	ng	0.00
23) Nitrobenzene-d5	7.281	82	634475	54.959	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	191626	75.964	ng	0.01
45) 2-Fluorobiphenyl	9.086	172	941291	62.782	ng	0.00
79) Terphenyl-d14	12.827	244	966375	41.163	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.804	154	122962	7.893	ng	# 83
55) Dibenzofuran	9.975	168	219678	10.337	ng	# 89
58) Fluorene	10.316	166	476438	30.600	ng	# 91
71) Phenanthrene	11.274	178	88518m	3.560	ng	
75) Fluoranthene	12.469	202	209106	8.379	ng	94
78) Pyrene	12.686	202	272418	7.849	ng	97
81) Benzo(a)anthracene	13.863	228	64151	2.304	ng	95
83) Chrysene	13.898	228	115933	4.165	ng	96
88) Benzo(b)fluoranthene	14.886	252	146154m	4.859	ng	
90) Benzo(a)pyrene	15.227	252	73606	2.689	ng	98

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

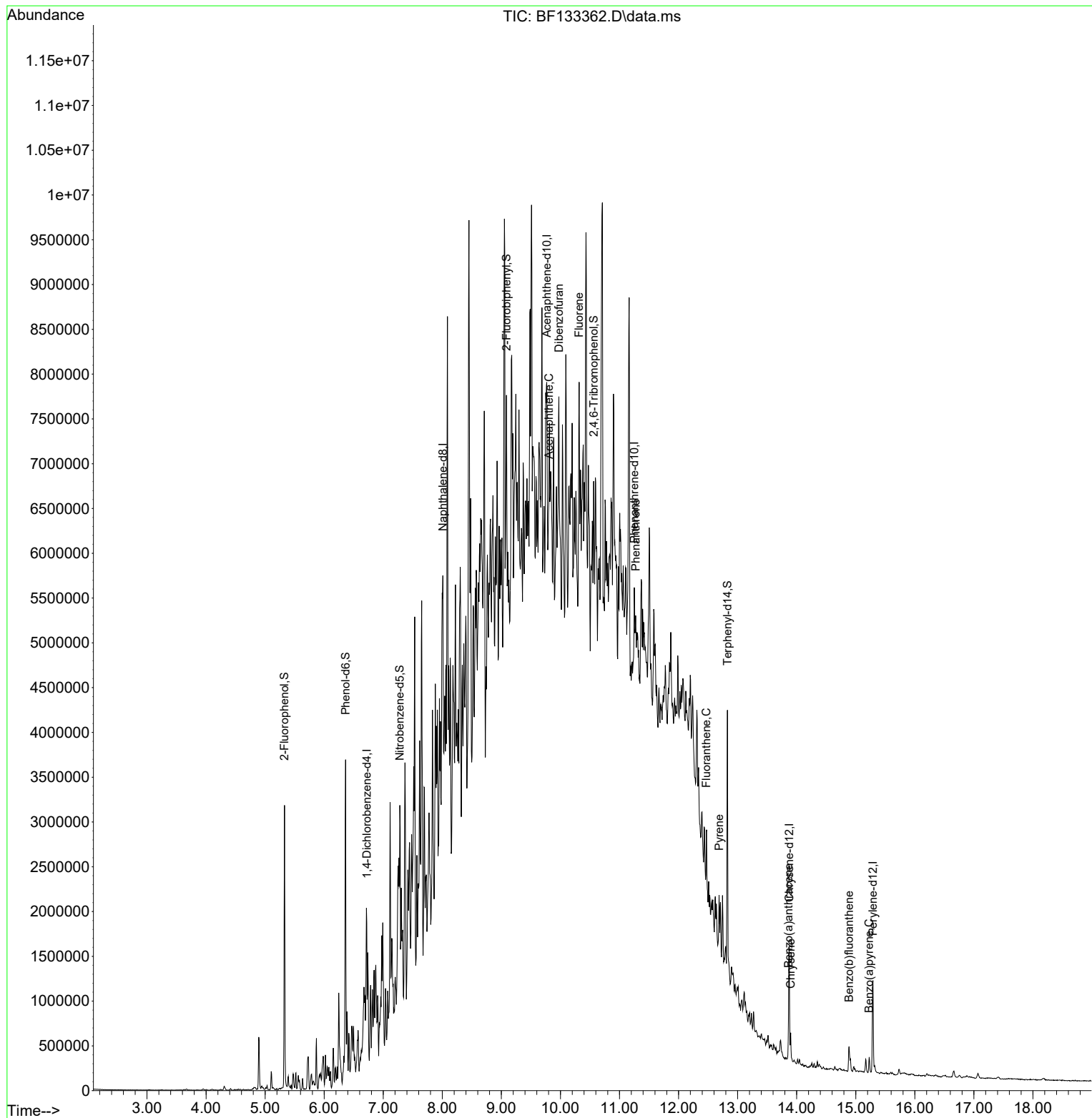
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
Data File : BF133362.D
Acq On : 11 May 2023 19:13
Operator : CG\JU
Sample : 02747-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

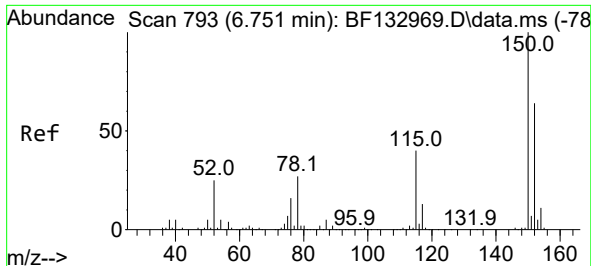
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510

Quant Time: May 12 04:31:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 16:40:17 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

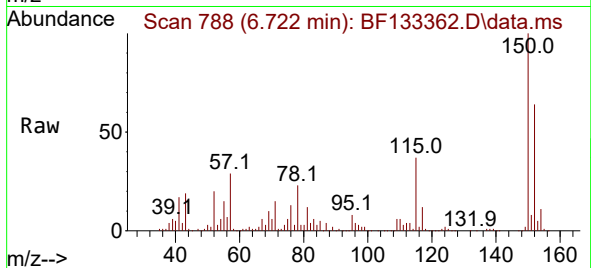
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

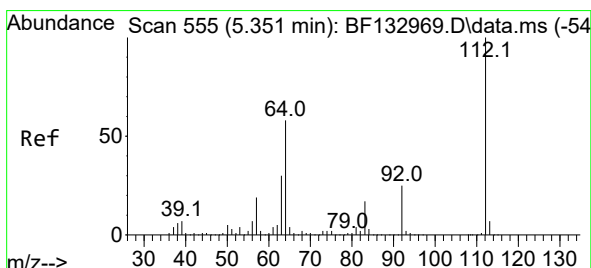
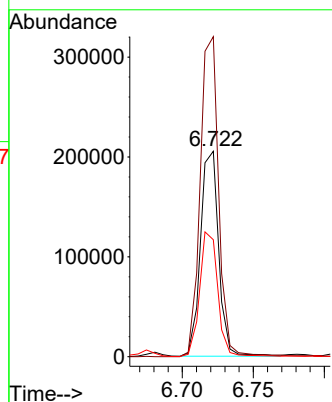
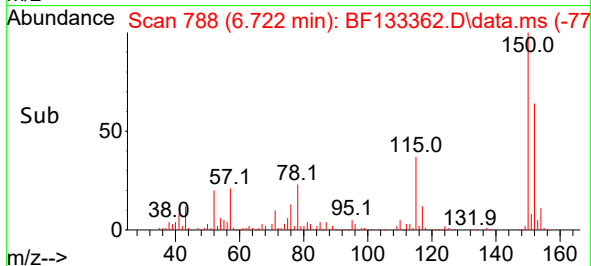
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



Tgt Ion:152 Resp: 18415
Ion Ratio Lower Upper
152 100
150 155.8 124.8 187.2
115 56.9 49.9 74.9

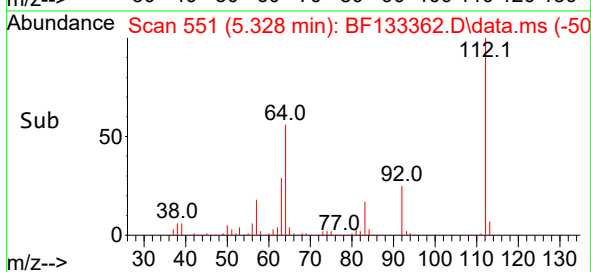
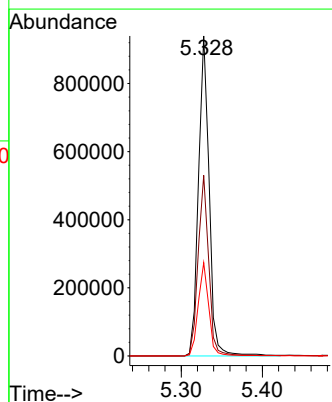
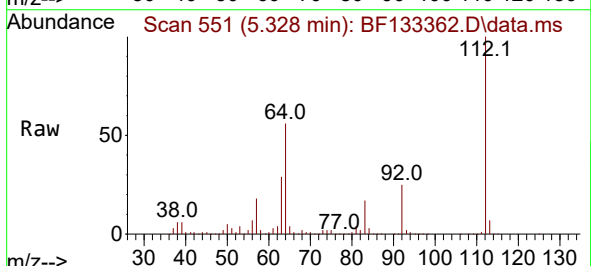
Manual Integrations
APPROVED

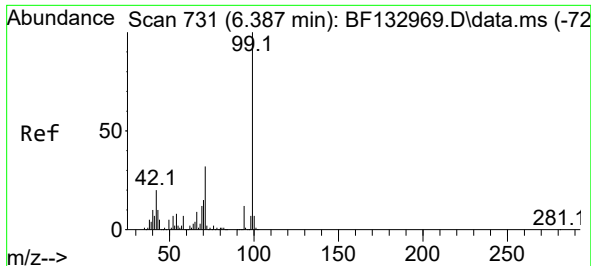
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#5
2-Fluorophenol
Concen: 70.841 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

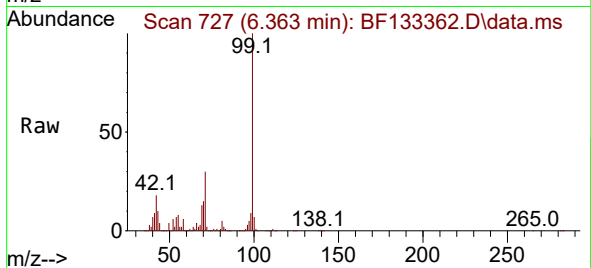
Tgt Ion:112 Resp: 863596
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 71.366 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

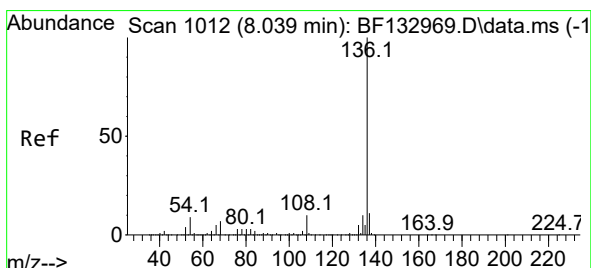
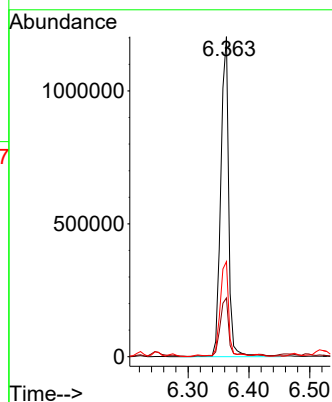
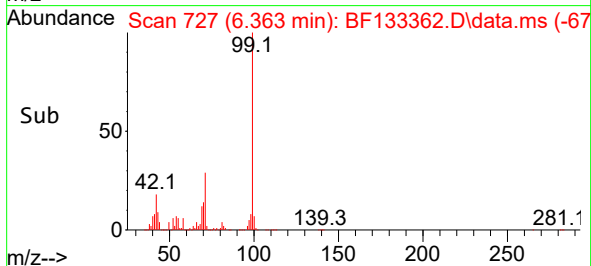
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



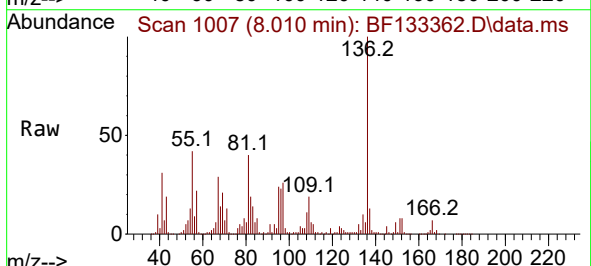
Tgt Ion: 99 Resp: 107984
Ion Ratio Lower Upper
99 100
42 18.4 16.3 24.5
71 29.7 25.6 38.4

Manual Integrations
APPROVED

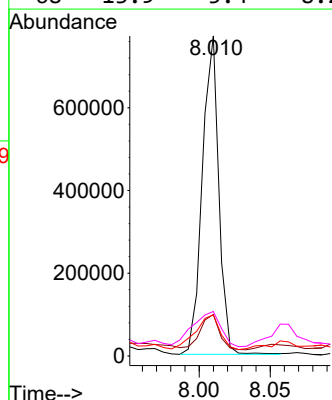
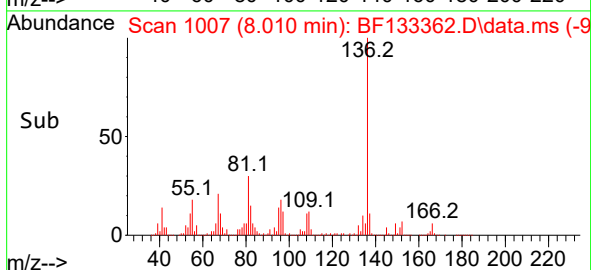
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

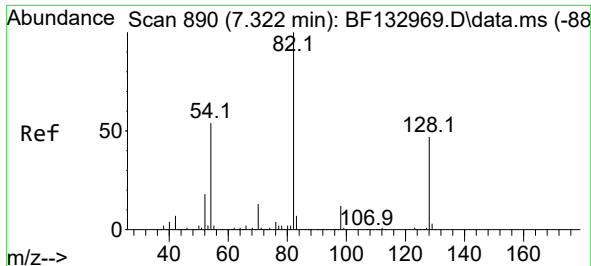


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13



Tgt Ion:136 Resp: 623135
Ion Ratio Lower Upper
136 100
137 13.0 8.6 13.0
54 12.8 7.0 10.4#
68 13.9 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 54.959 ng

RT: 7.281 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133362.D

Acq: 11 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

SB-03-5-7-20230510

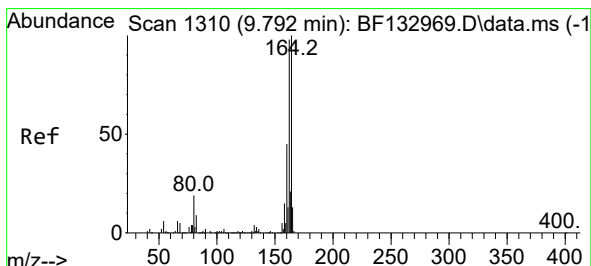
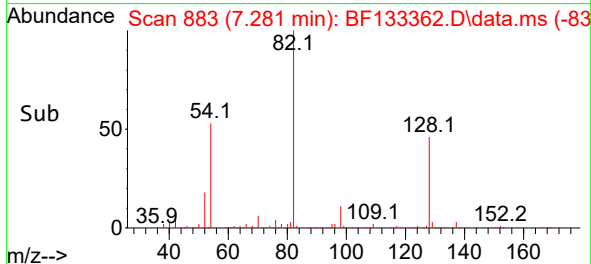
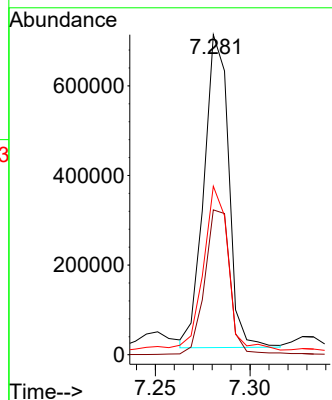
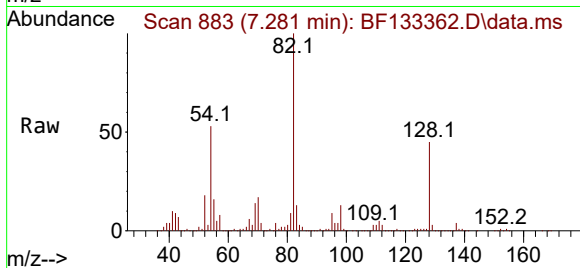
Tgt Ion: 82 Resp: 634475

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.7	56.5
54	52.6	43.0	64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

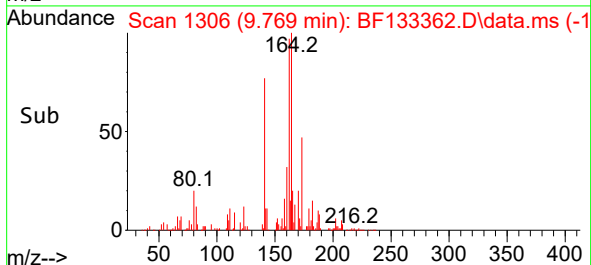
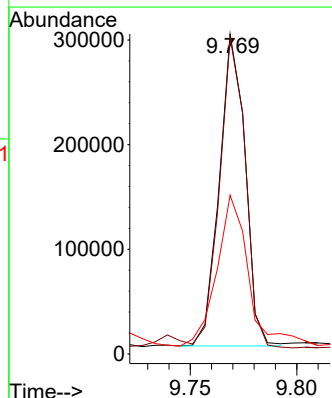
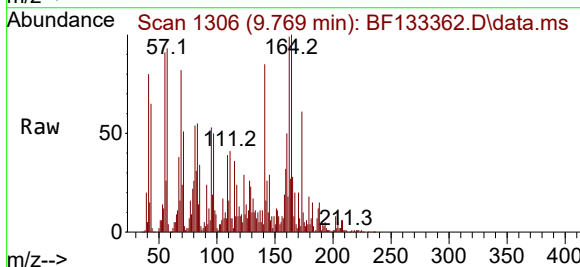
Delta R.T. 0.012 min

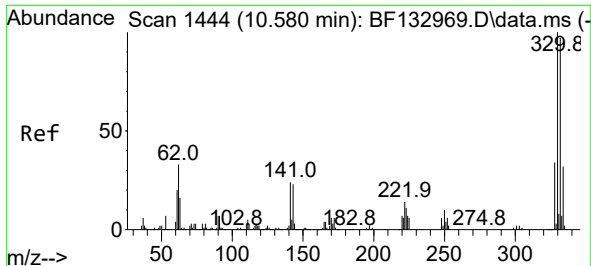
Lab File: BF133362.D

Acq: 11 May 2023 19:13

Tgt Ion:164 Resp: 250832

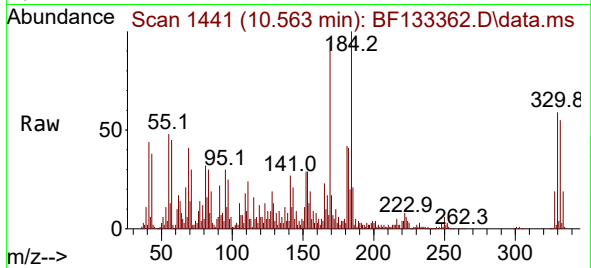
Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.7	118.1
160	49.6	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 75.964 ng
RT: 10.563 min Scan# 1444
Delta R.T. 0.012 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

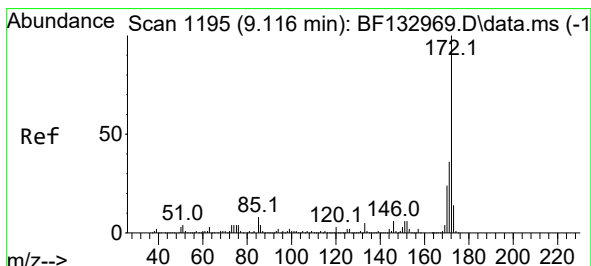
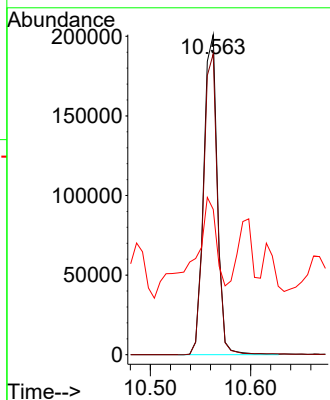
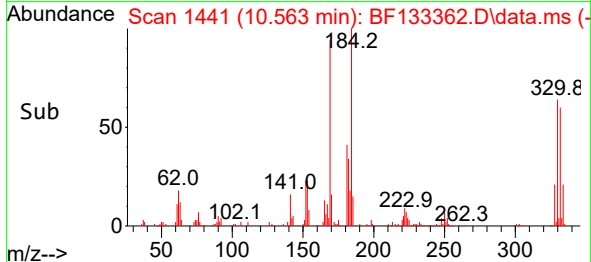
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



Tgt Ion: 330 Resp: 191620
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 55.2 25.8 38.8

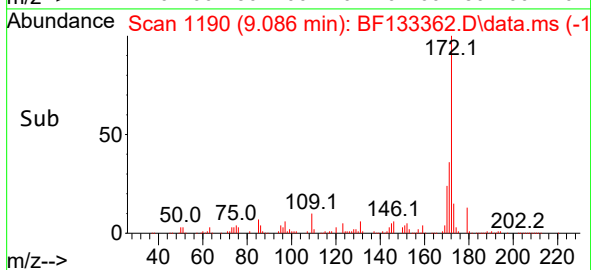
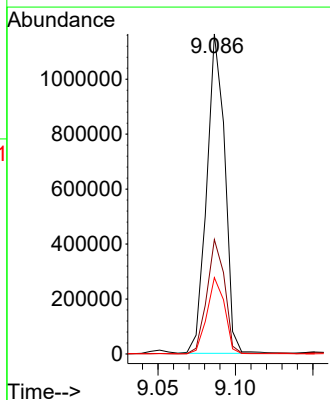
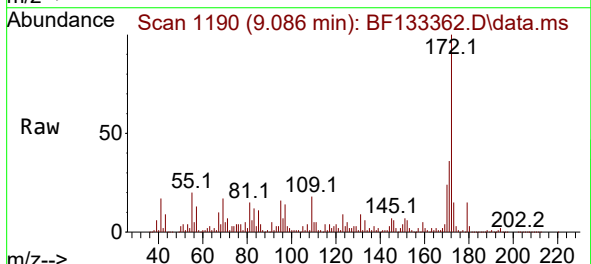
Manual Integrations
APPROVED

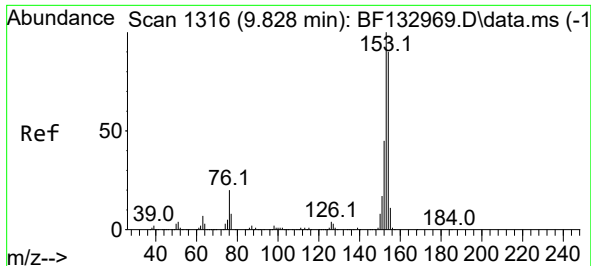
Reviewed By : Christian Giraldo 05/12/2023
Supervised By : Jagrut Upadhyay 05/15/2023



#45
2-Fluorobiphenyl
Concen: 62.782 ng
RT: 9.086 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

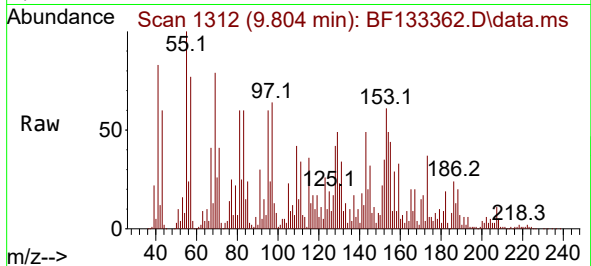
Tgt Ion: 172 Resp: 941291
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.4 29.2





#52
Acenaphthene
Concen: 7.893 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

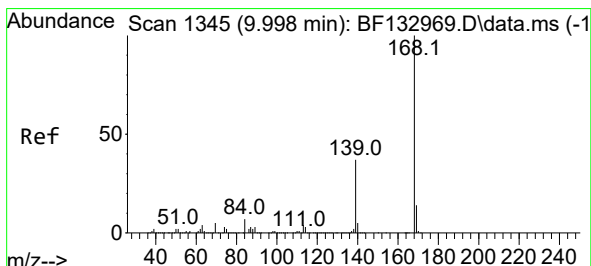
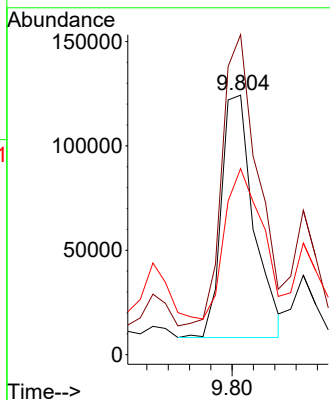
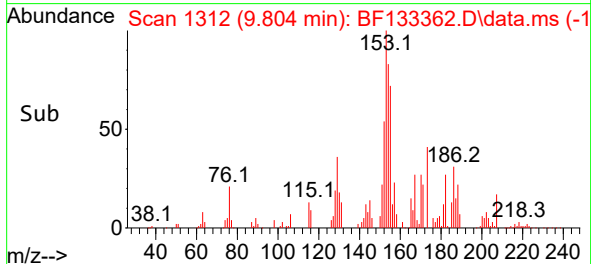
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



Tgt Ion:154 Resp: 122962
Ion Ratio Lower Upper
154 100
153 123.3 89.0 133.6
152 71.7 40.4 60.6

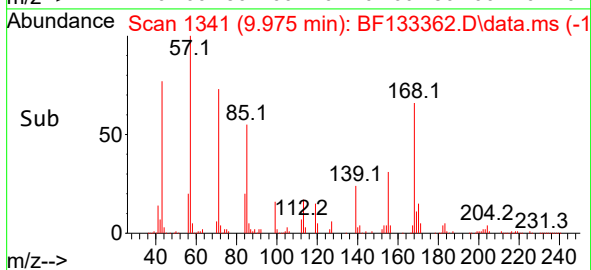
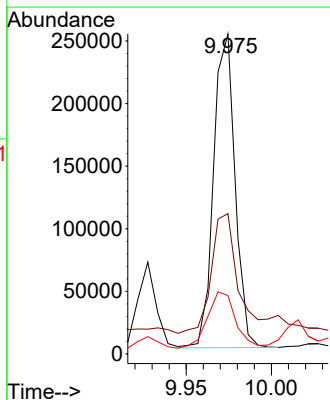
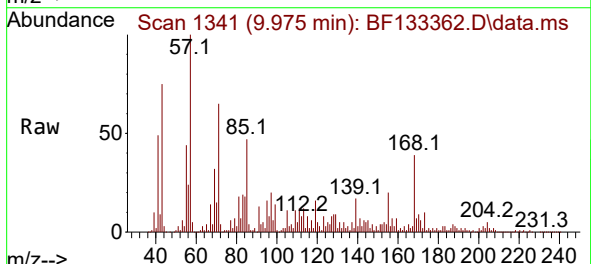
Manual Integrations
APPROVED

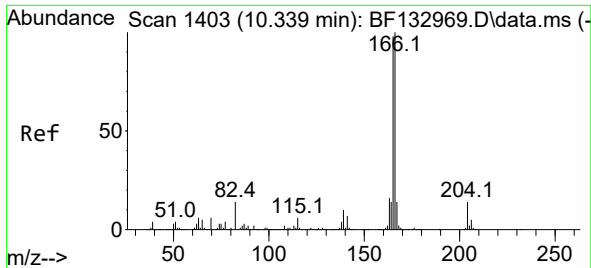
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#55
Dibenzofuran
Concen: 10.337 ng
RT: 9.975 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

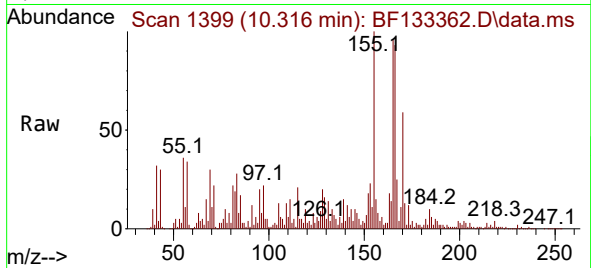
Tgt Ion:168 Resp: 219678
Ion Ratio Lower Upper
168 100
139 43.9 29.8 44.8
169 18.3 10.8 16.2#





#58
Fluorene
Concen: 30.600 ng
RT: 10.316 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

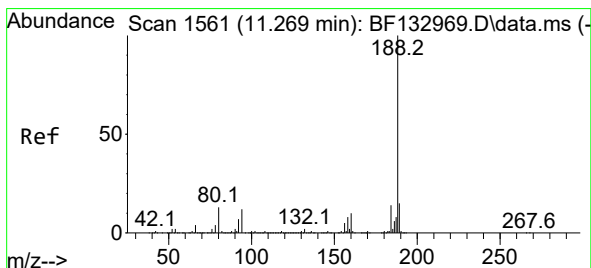
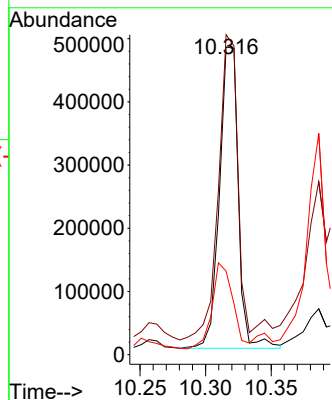
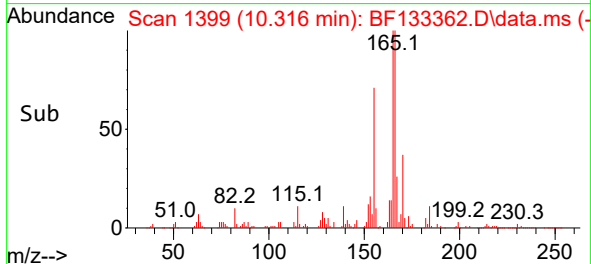
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



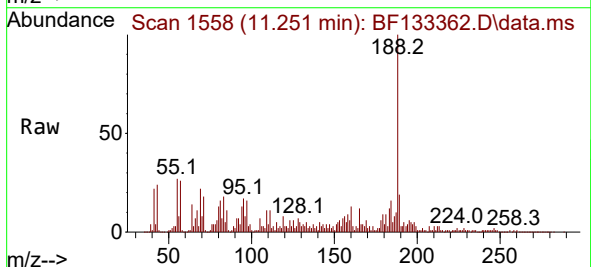
Tgt Ion:166 Resp: 476438
Ion Ratio Lower Upper
166 100
165 104.0 78.6 117.8
167 27.2 11.0 16.4

Manual Integrations
APPROVED

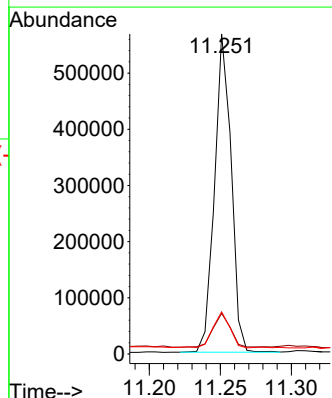
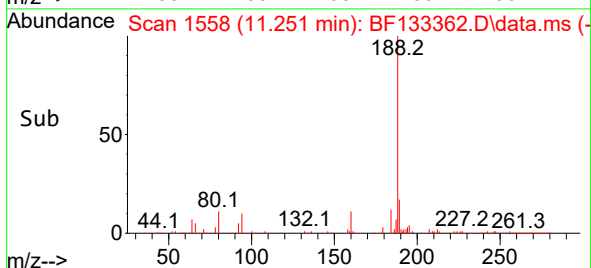
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

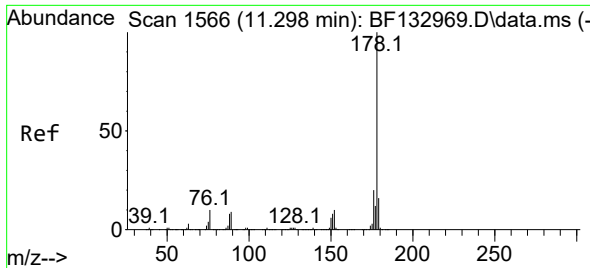


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.012 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13



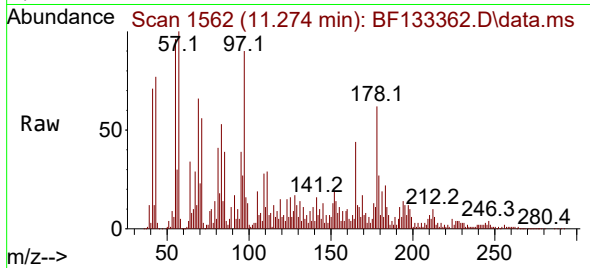
Tgt Ion:188 Resp: 462629
Ion Ratio Lower Upper
188 100
94 12.7 9.7 14.5
80 13.2 10.4 15.6





#71
Phenanthrene
Concen: 3.560 ng m
RT: 11.274 min Scan# 1562
Delta R.T. 0.006 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

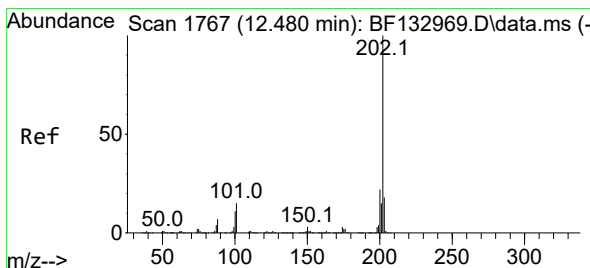
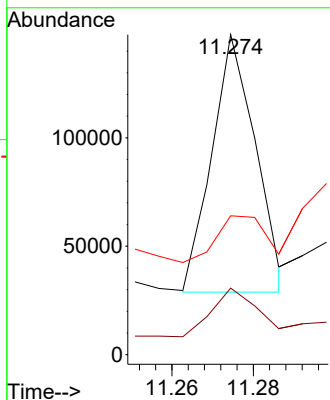
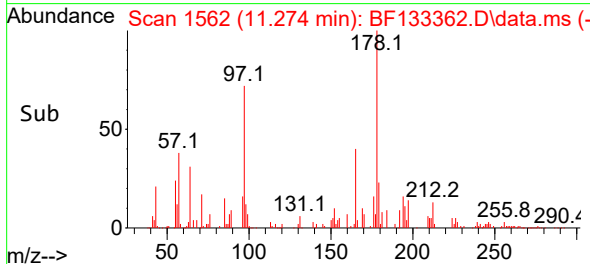
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



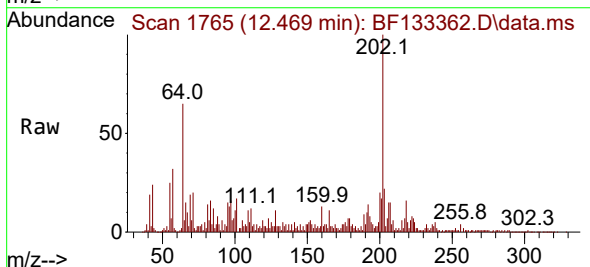
Tgt Ion:178 Resp: 88518
Ion Ratio Lower Upper
178 100
176 20.8 15.9 23.9
179 43.4 12.5 18.7

Manual Integrations
APPROVED

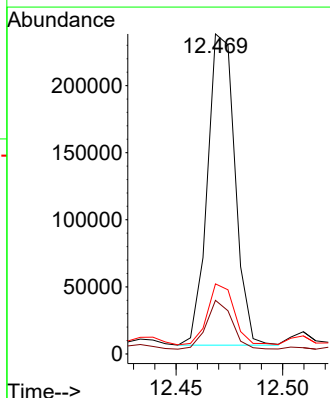
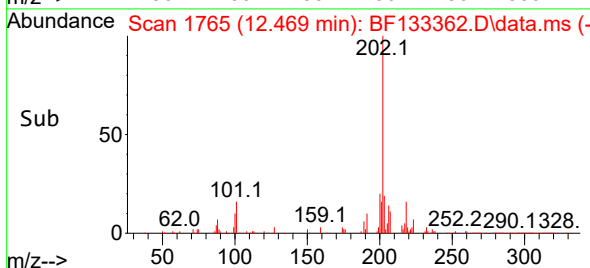
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

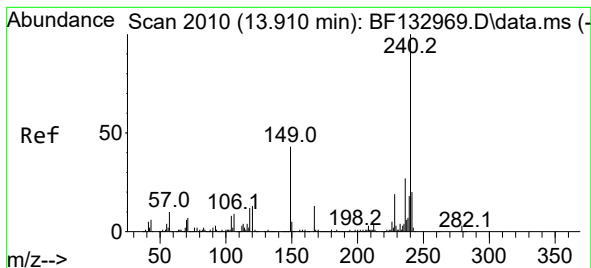


#75
Fluoranthene
Concen: 8.379 ng
RT: 12.469 min Scan# 1765
Delta R.T. 0.018 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13



Tgt Ion:202 Resp: 209106
Ion Ratio Lower Upper
202 100
101 16.8 0.0 35.3
203 21.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133362.D

Acq: 11 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

SB-03-5-7-20230510

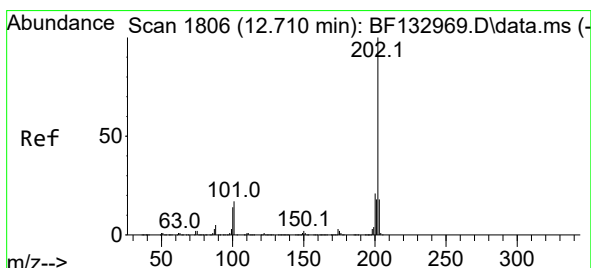
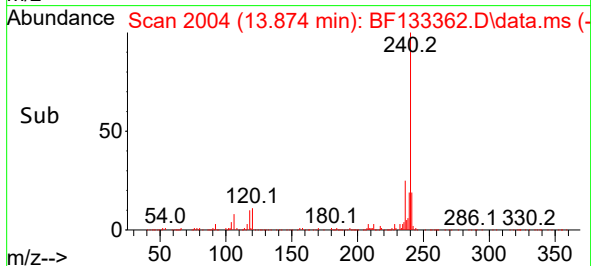
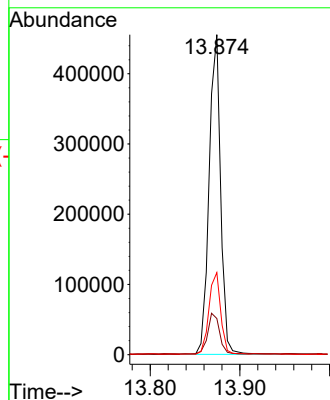
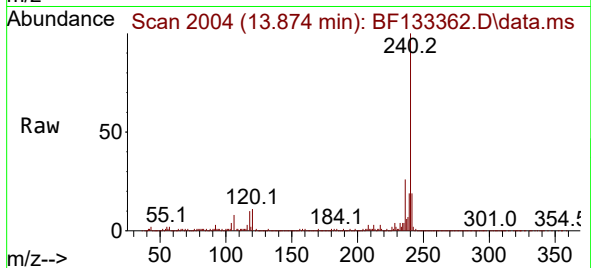
Tgt Ion:240 Resp: 404895
 Ion Ratio Lower Upper
 240 100
 120 11.3 10.5 15.7
 236 25.6 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#78

Pyrene

Concen: 7.849 ng

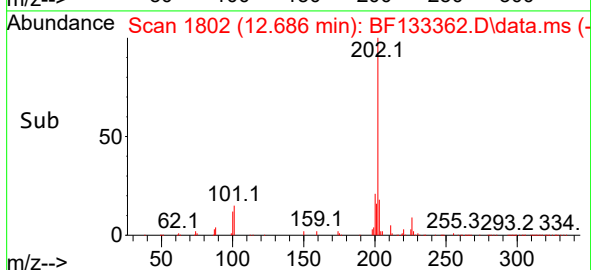
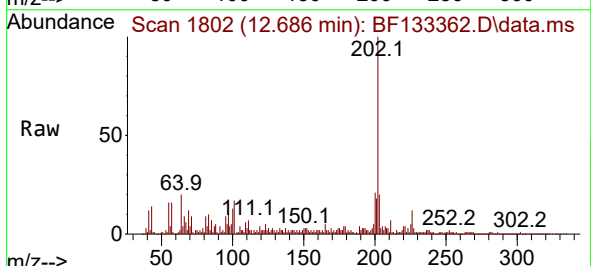
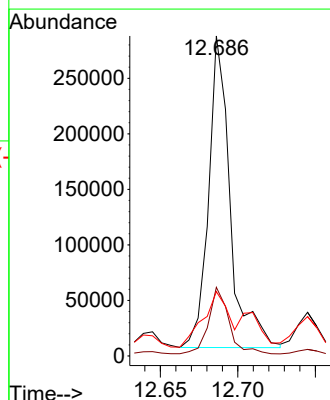
RT: 12.686 min Scan# 1802

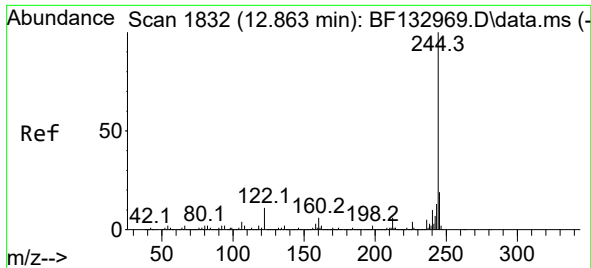
Delta R.T. 0.006 min

Lab File: BF133362.D

Acq: 11 May 2023 19:13

Tgt Ion:202 Resp: 272418
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.1 25.7
 203 20.1 14.1 21.1





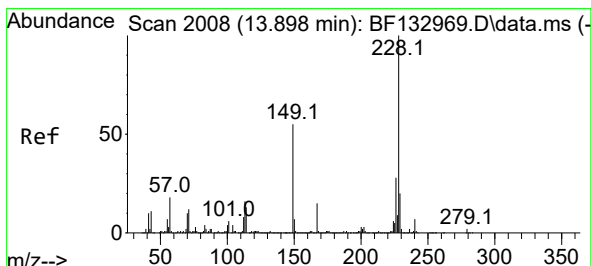
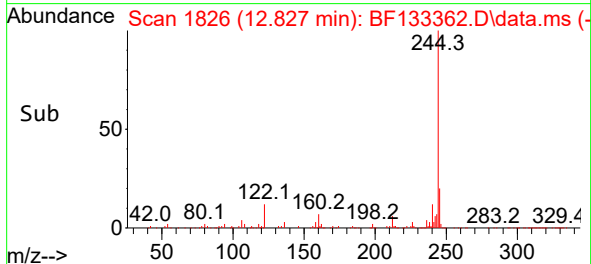
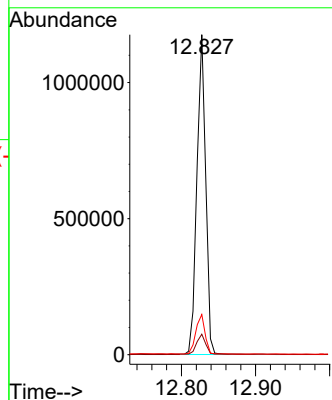
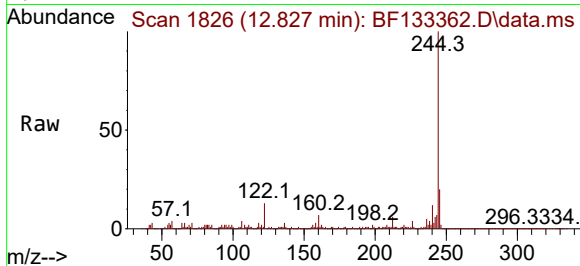
#79
Terphenyl-d14
Concen: 41.163 ng
RT: 12.827 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510

Tgt Ion:244 Resp: 966375
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.5 8.6 13.0

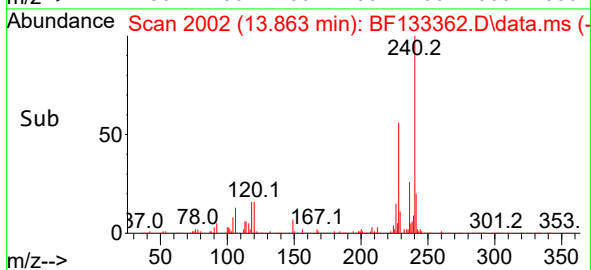
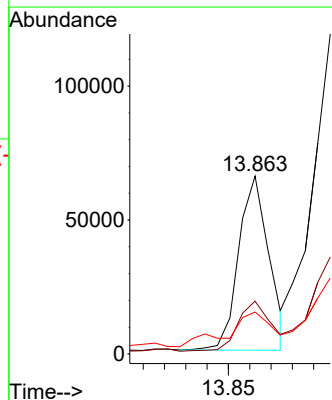
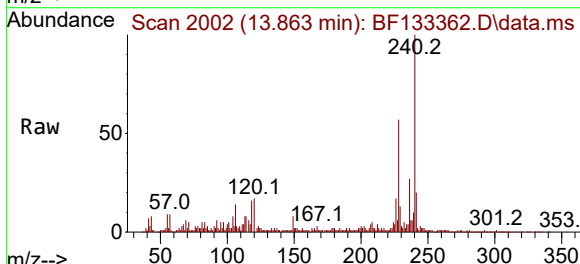
Manual Integrations
APPROVED

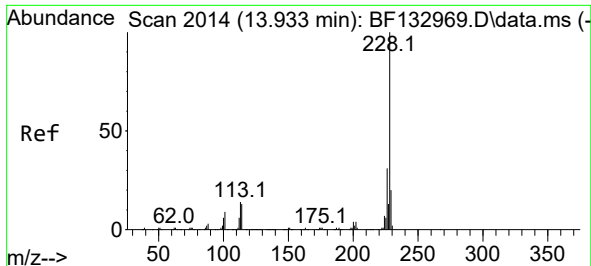
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#81
Benzo(a)anthracene
Concen: 2.304 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

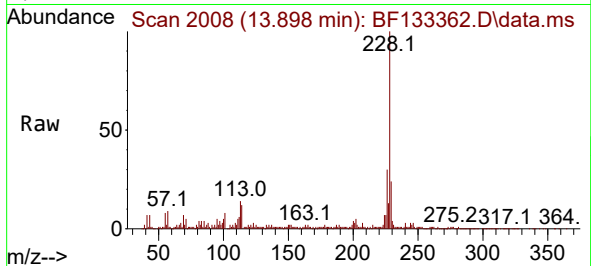
Tgt Ion:228 Resp: 64151
Ion Ratio Lower Upper
228 100
226 29.7 22.2 33.4
229 23.6 16.0 24.0





#83
Chrysene
Concen: 4.165 ng
RT: 13.898 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13

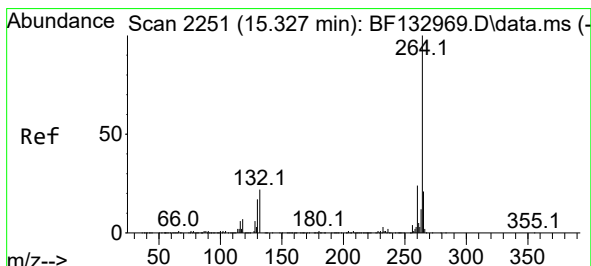
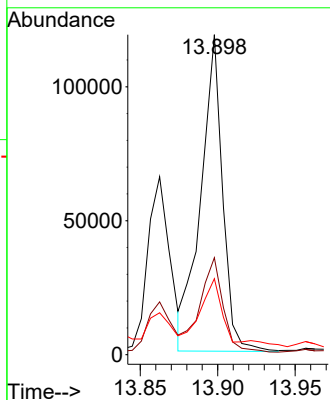
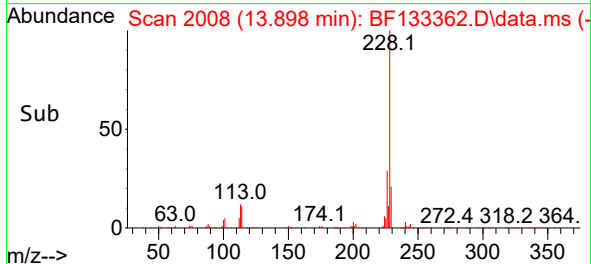
Instrument :
BNA_F
ClientSampleId :
SB-03-5-7-20230510



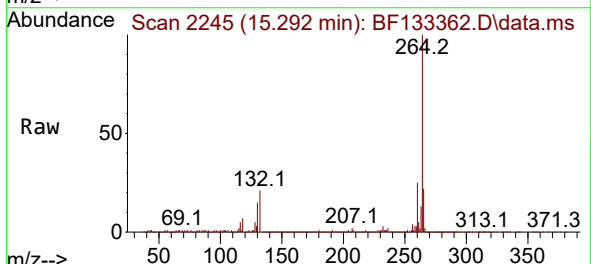
Tgt Ion:228 Resp: 115933
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 23.8 16.1 24.1

Manual Integrations
APPROVED

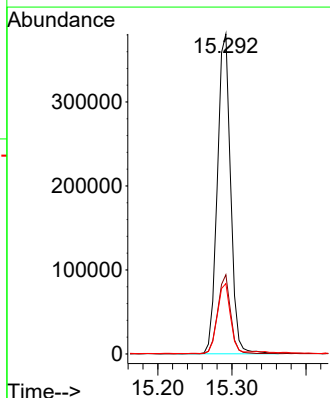
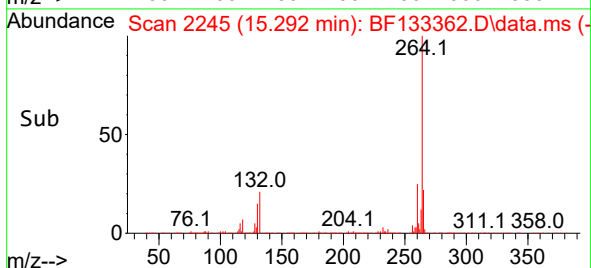
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

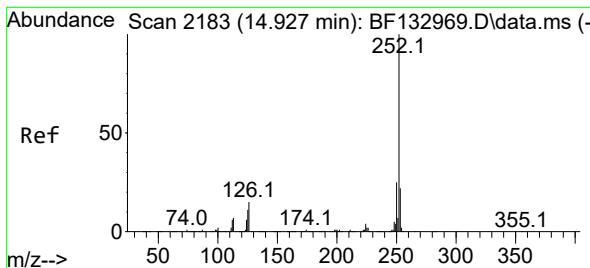


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BF133362.D
Acq: 11 May 2023 19:13



Tgt Ion:264 Resp: 472753
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 22.0 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.859 ng m

RT: 14.886 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133362.D

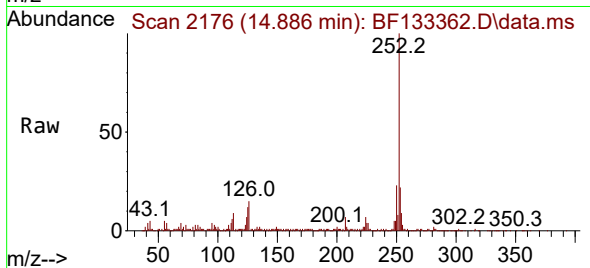
Acq: 11 May 2023 19:13

Instrument :

BNA_F

ClientSampleId :

SB-03-5-7-20230510



Tgt Ion:252 Resp: 146154

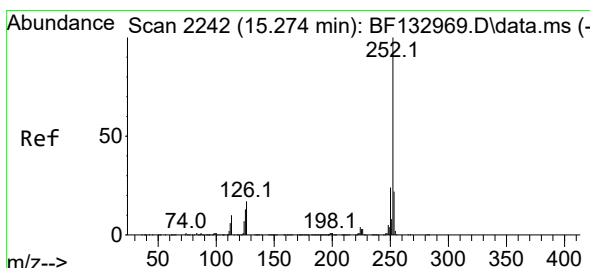
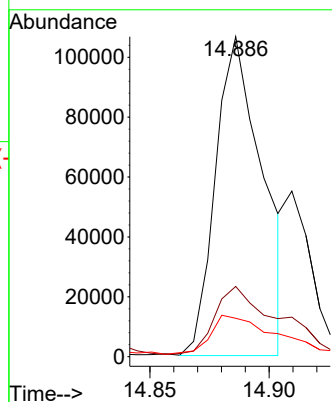
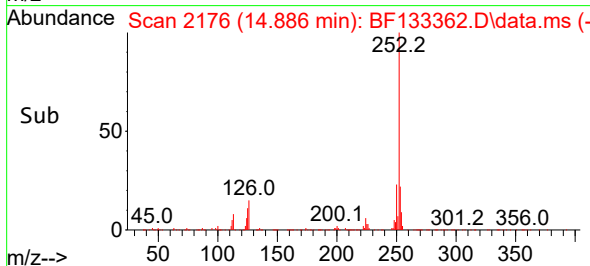
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.0	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#90

Benzo(a)pyrene

Concen: 2.689 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF133362.D

Acq: 11 May 2023 19:13

Tgt Ion:252 Resp: 73606

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	12.1	10.5	15.7

