

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132984.D
 Acq On : 21 Apr 2023 23:09
 Operator : CG\JU
 Sample : 02390-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPC-1WC-23-04-17

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 04:32:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	218474	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	821617	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	358771	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	529494	20.000	ng	0.00
76) Chrysene-d12	13.910	240	371567	20.000	ng	0.00
86) Perylene-d12	15.339	264	311083	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	710459	49.124	ng	0.01
7) Phenol-d6	6.387	99	842449	46.930	ng	0.00
23) Nitrobenzene-d5	7.310	82	482617	31.706	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	134395	37.248	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	827658	38.595	ng	0.00
79) Terphenyl-d14	12.857	244	638730	29.647	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	94911	3.335	ng	99
75) Fluoranthene	12.480	202	272481	9.540	ng	99
78) Pyrene	12.710	202	241845	7.593	ng	100
81) Benzo(a)anthracene	13.898	228	138030m	5.402	ng	
83) Chrysene	13.933	228	124792	4.885	ng	97
84) Bis(2-ethylhexyl)phtha...	13.904	149	116909	8.259	ng	100
87) Indeno(1,2,3-cd)pyrene	16.721	276	63013	3.561	ng	98
88) Benzo(b)fluoranthene	14.927	252	156086m	7.887	ng	
89) Benzo(k)fluoranthene	14.951	252	49320m	2.514	ng	
90) Benzo(a)pyrene	15.274	252	89828	4.987	ng	# 87
92) Benzo(g,h,i)perylene	17.139	276	61074	4.192	ng	# 88

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

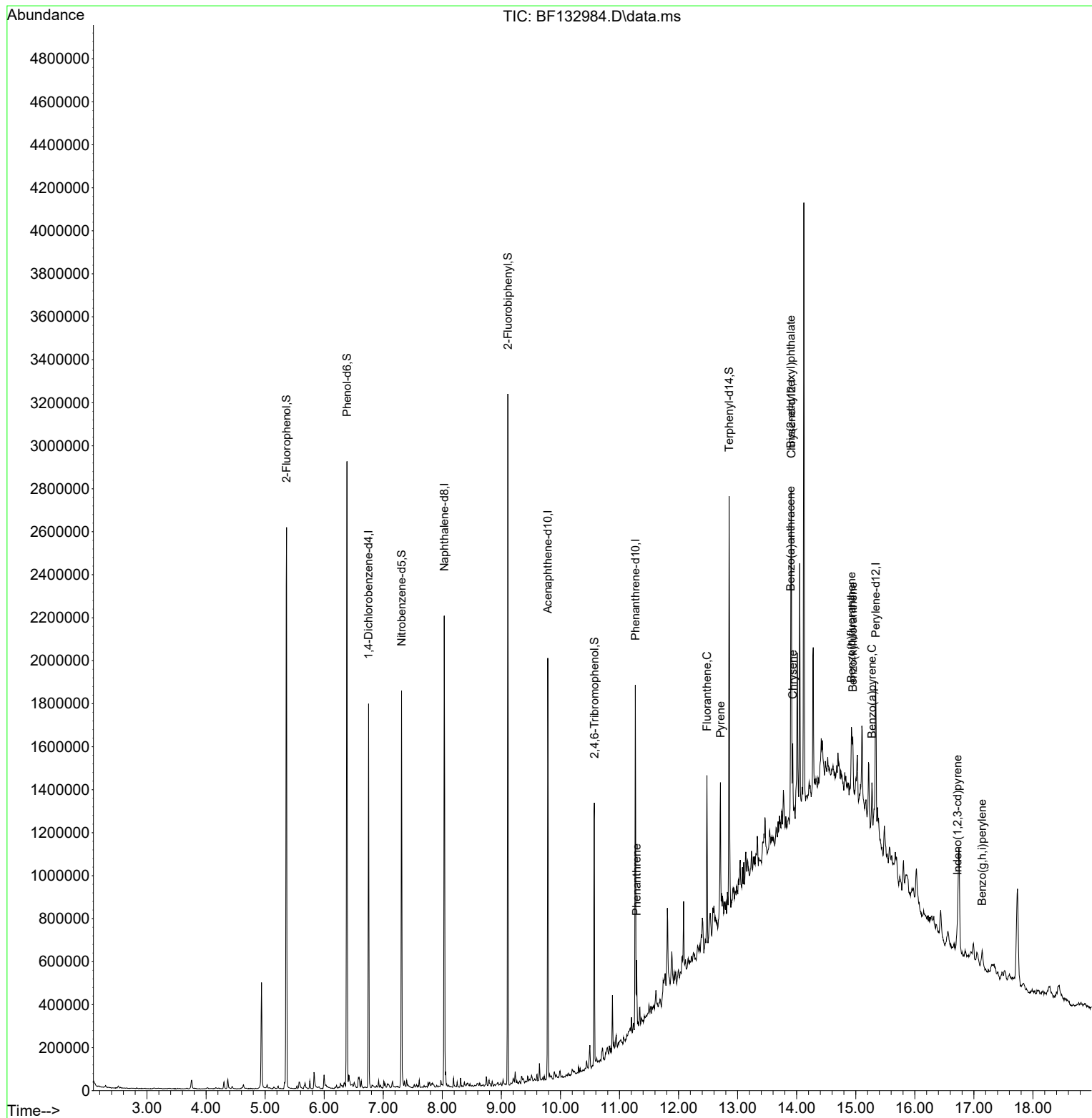
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
Data File : BF132984.D
Acq On : 21 Apr 2023 23:09
Operator : CG\JU
Sample : 02390-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

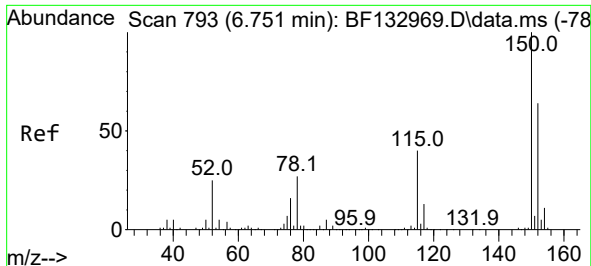
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17

Quant Time: Apr 22 04:32:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 22 03:30:56 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

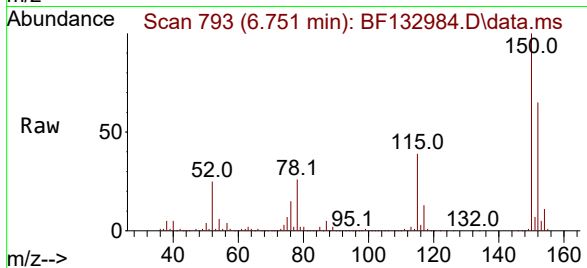
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

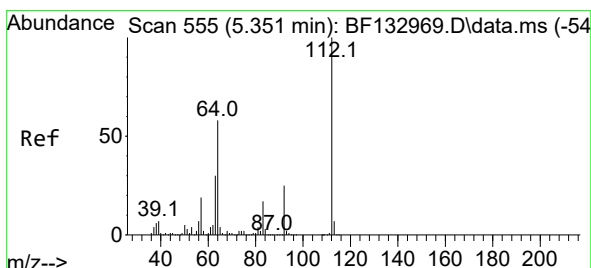
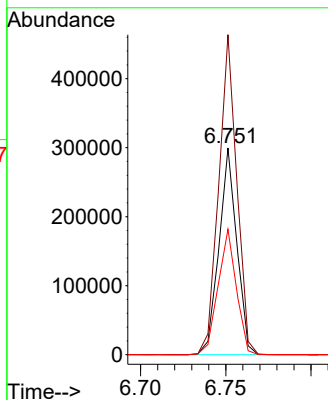
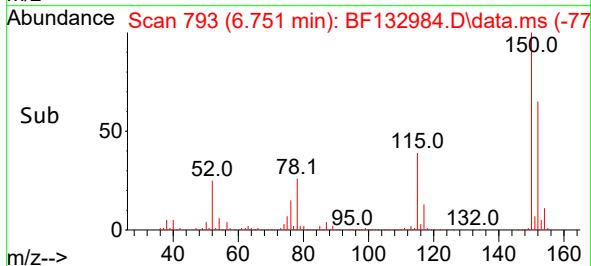
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion:152 Resp: 218474
Ion Ratio Lower Upper
152 100
150 154.8 124.8 187.2
115 60.7 49.9 74.9

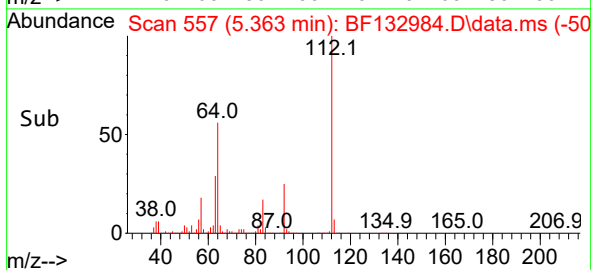
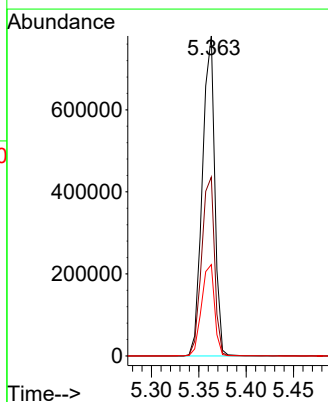
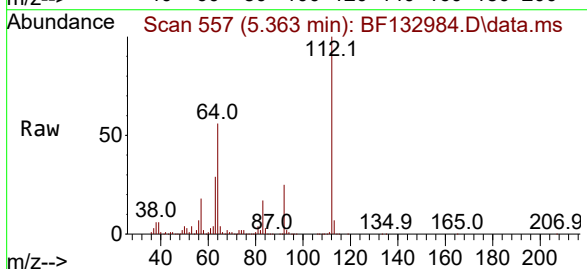
Manual Integrations
APPROVED

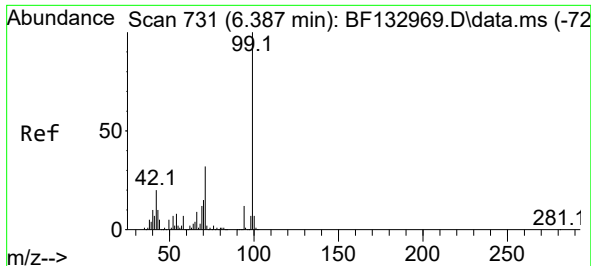
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 49.124 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.012 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

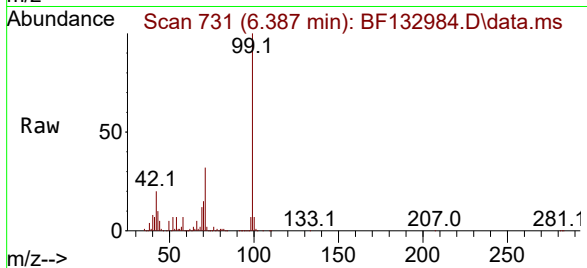
Tgt Ion:112 Resp: 710459
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.5 23.8 35.8





#7
Phenol-d6
Concen: 46.930 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

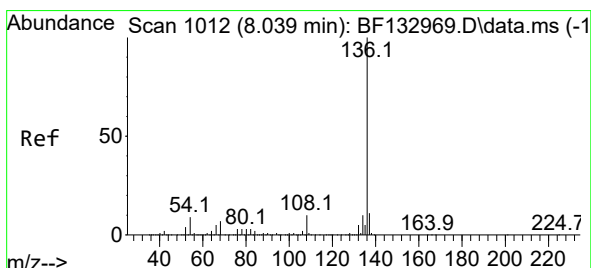
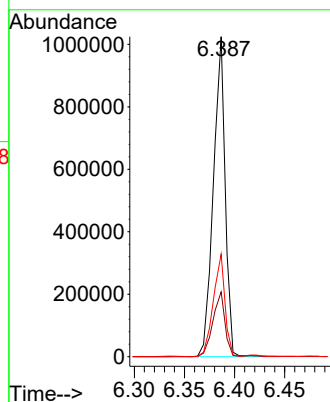
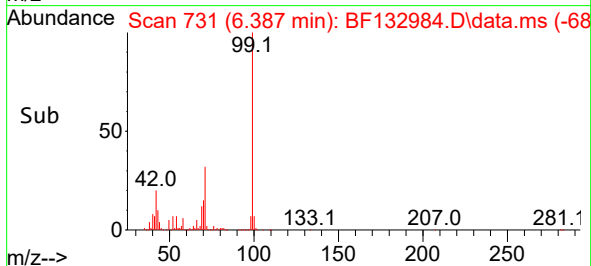
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



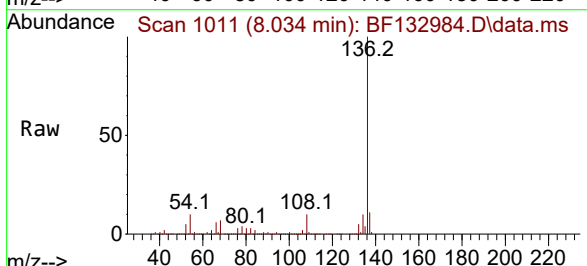
Tgt Ion: 99 Resp: 842449
Ion Ratio Lower Upper
99 100
42 20.2 16.3 24.5
71 32.1 25.6 38.4

Manual Integrations
APPROVED

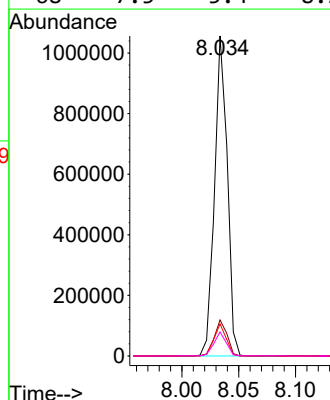
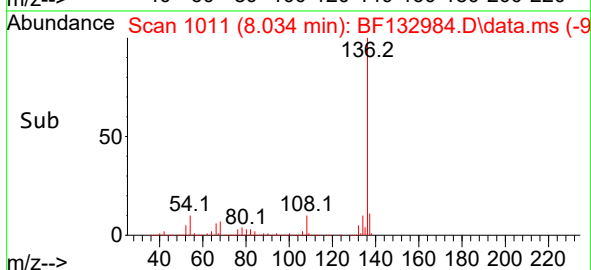
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

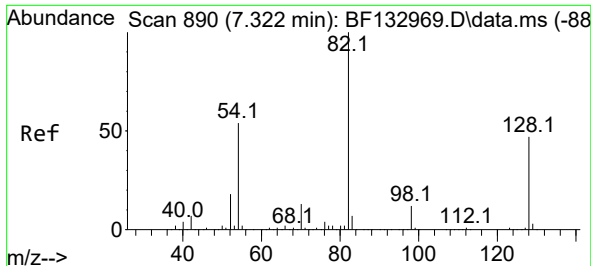


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09



Tgt Ion:136 Resp: 821617
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 10.0 7.0 10.4
68 7.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 31.706 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF132984.D

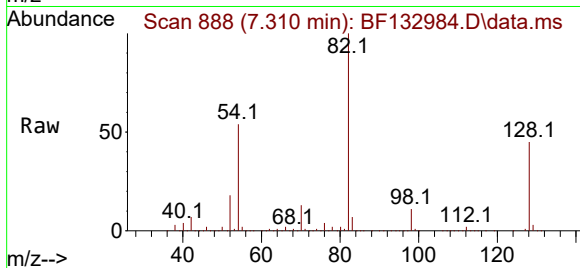
Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17



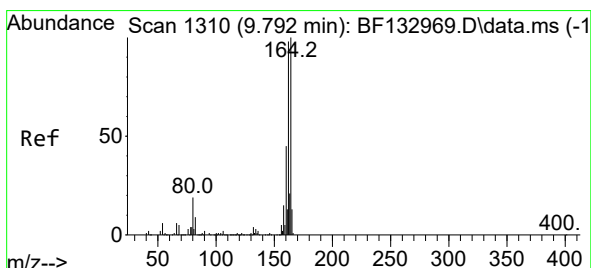
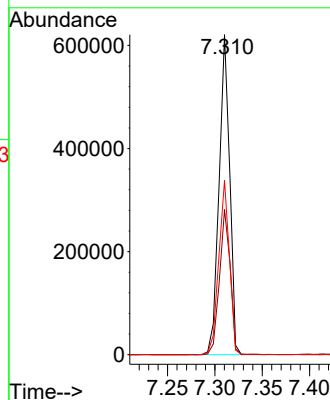
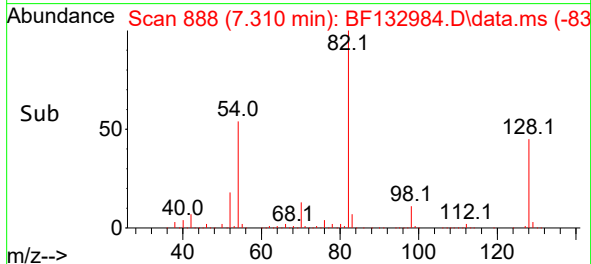
Tgt Ion: 82 Resp: 48261

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.7	56.5
54	54.4	43.0	64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1309

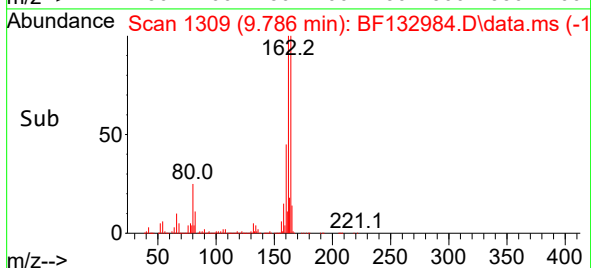
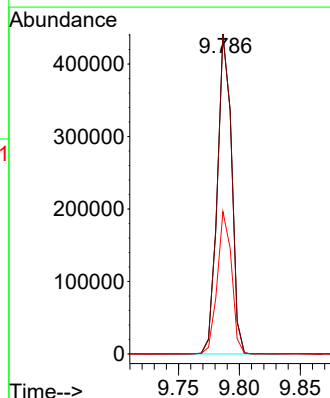
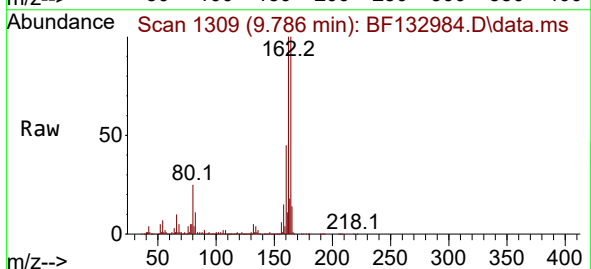
Delta R.T. -0.006 min

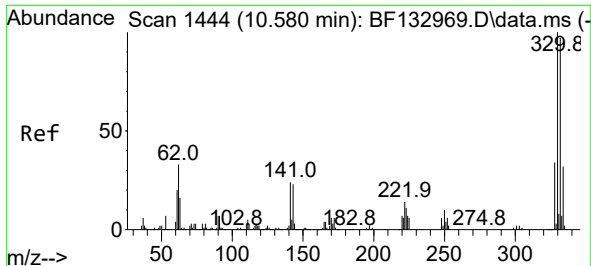
Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Tgt Ion:164 Resp: 358771

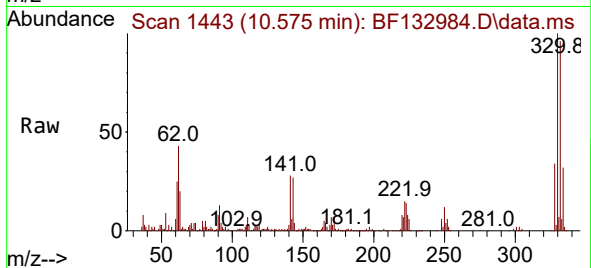
Ion	Ratio	Lower	Upper
164	100		
162	99.7	78.7	118.1
160	44.5	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 37.248 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

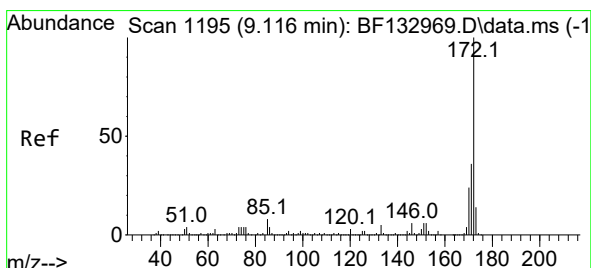
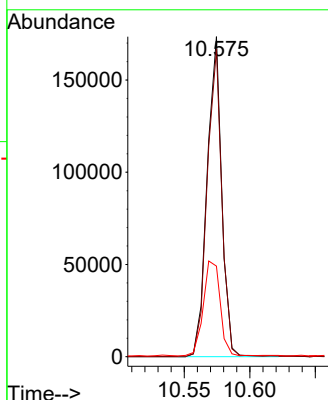
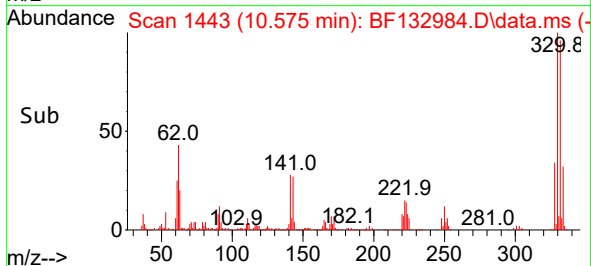
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion: 330 Resp: 134395
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 34.3 25.8 38.8

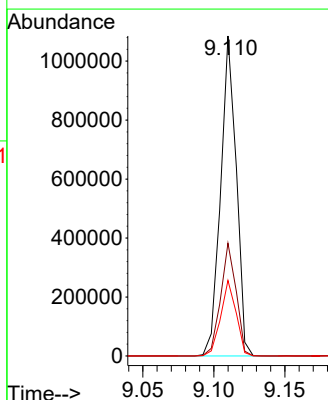
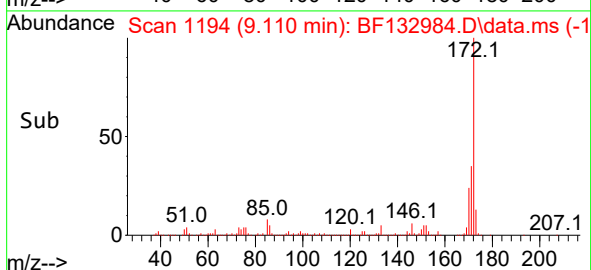
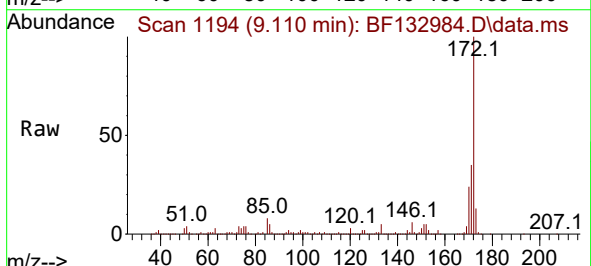
Manual Integrations
APPROVED

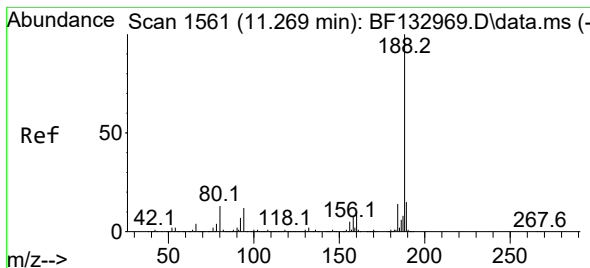
Reviewed By : Christian Giraldo 04/24/2023
Supervised By : Jagrut Upadhyay 04/24/2023



#45
2-Fluorobiphenyl
Concen: 38.595 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

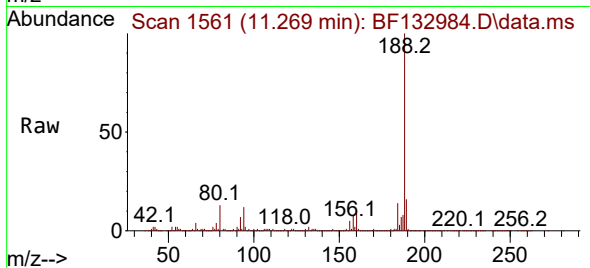
Tgt Ion: 172 Resp: 827658
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.6 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

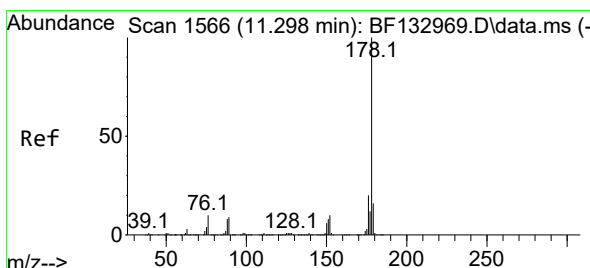
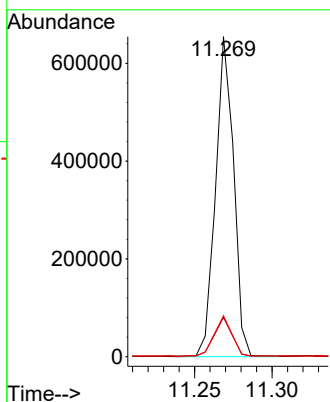
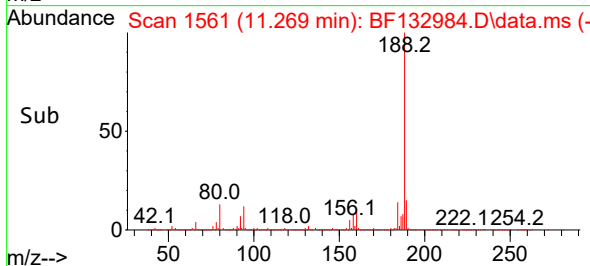
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion:188 Resp: 529494
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 12.8 10.4 15.6

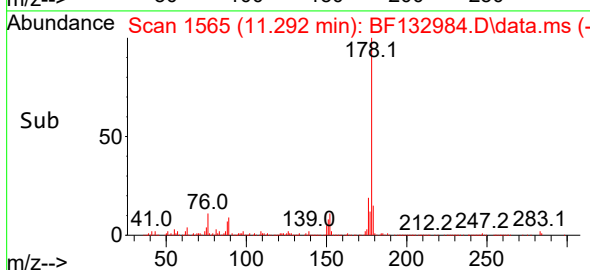
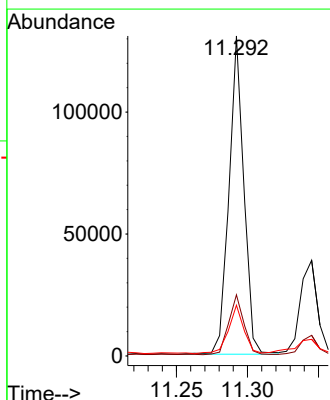
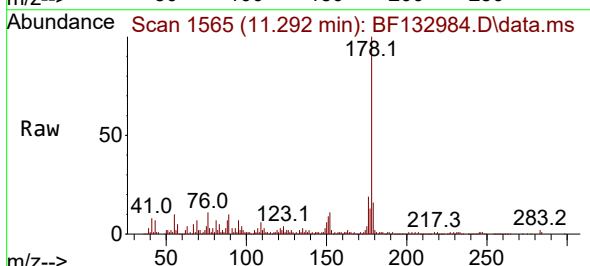
Manual Integrations
APPROVED

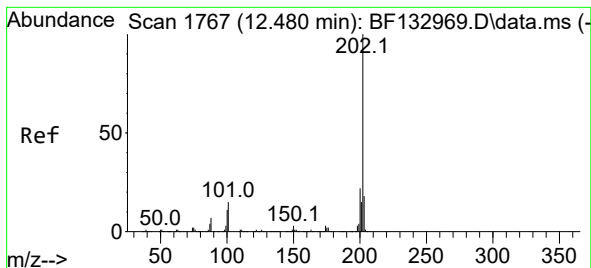
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#71
Phenanthrene
Concen: 3.335 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

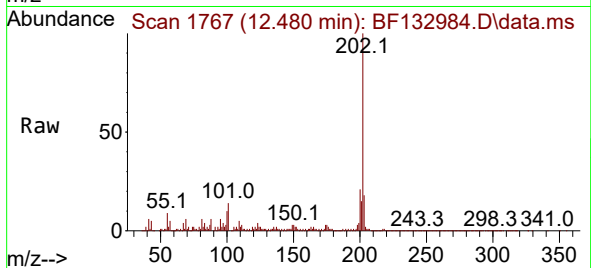
Tgt Ion:178 Resp: 94911
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.9 12.5 18.7





#75
Fluoranthene
Concen: 9.540 ng
RT: 12.480 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

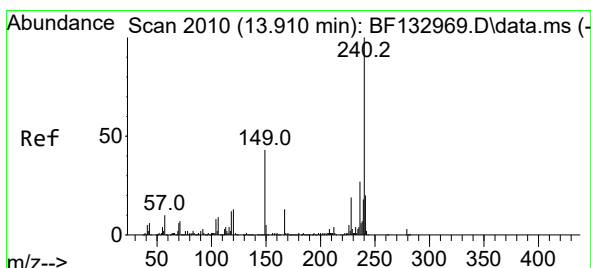
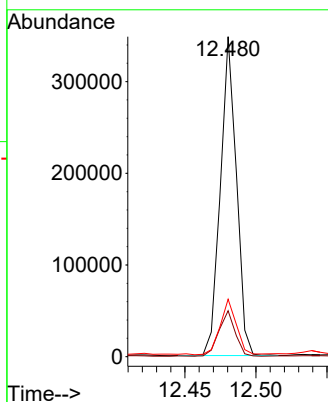
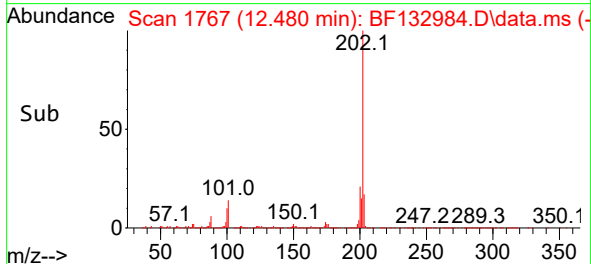
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion:202 Resp: 27248
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.3
203 18.0 0.0 38.1

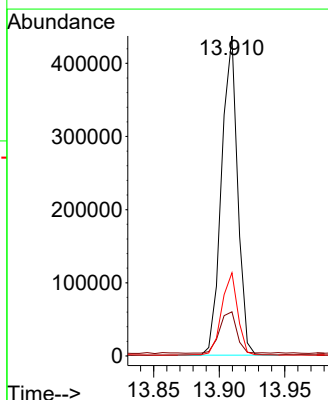
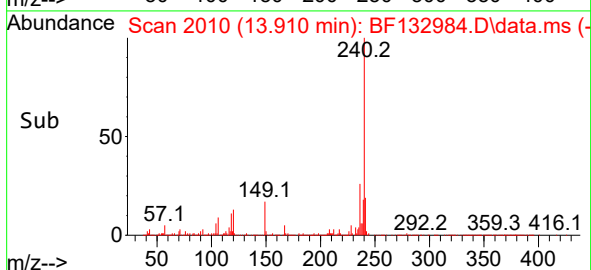
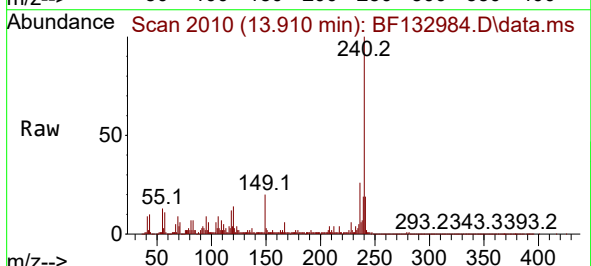
Manual Integrations
APPROVED

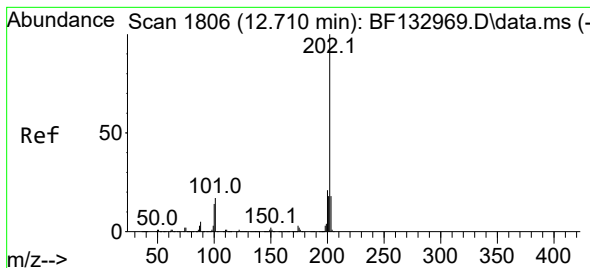
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:240 Resp: 371567
Ion Ratio Lower Upper
240 100
120 13.8 10.5 15.7
236 26.0 21.5 32.3





#78

Pyrene

Concen: 7.593 ng

RT: 12.710 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNF

ClientSampleId :

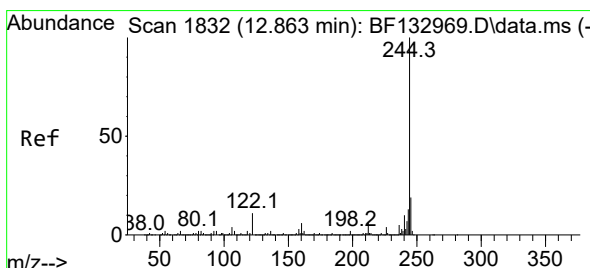
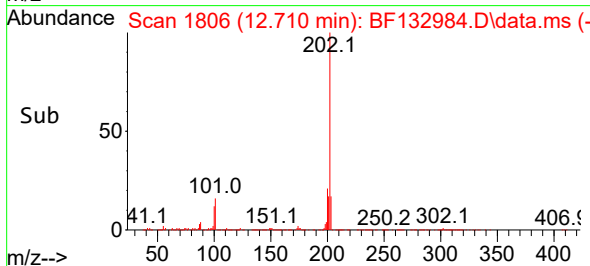
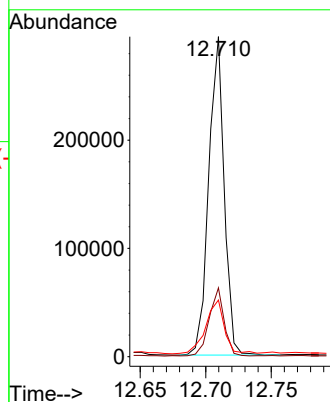
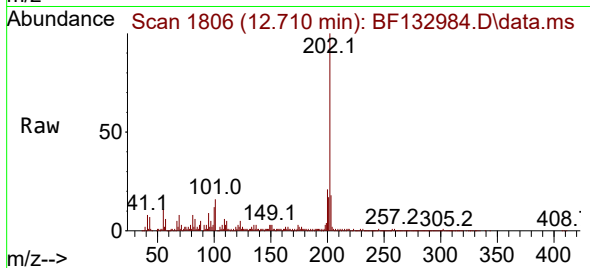
SPC-1WC-23-04-17

Tgt Ion:202 Resp: 241845
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.1 25.7
 203 17.7 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#79

Terphenyl-d14

Concen: 29.647 ng

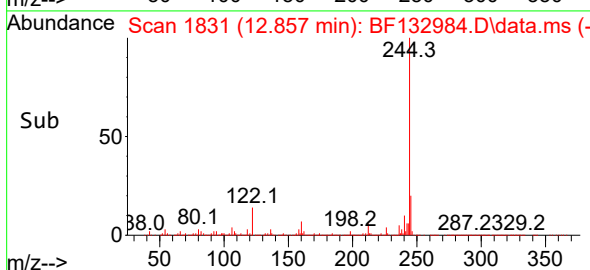
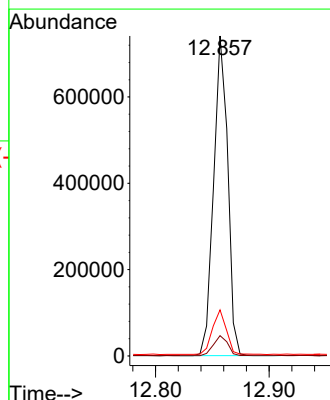
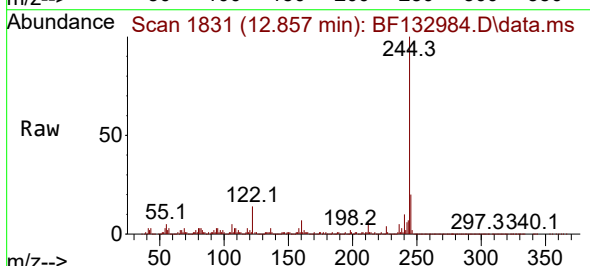
RT: 12.857 min Scan# 1831

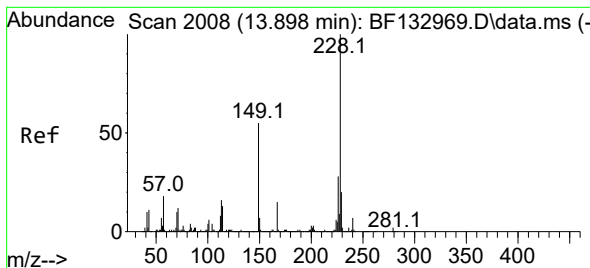
Delta R.T. -0.006 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Tgt Ion:244 Resp: 638730
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 14.4 8.6 13.0





#81

Benzo(a)anthracene

Concen: 5.402 ng m

RT: 13.898 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNF

ClientSampleId :

SPC-1WC-23-04-17

Tgt Ion:228 Resp: 138030

Ion Ratio Lower Upper

228 100

226 34.5 22.2 33.4

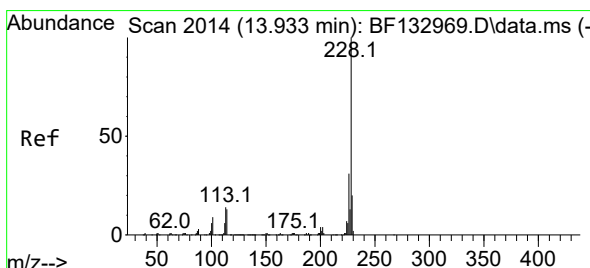
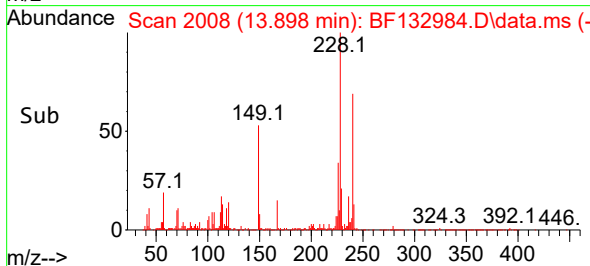
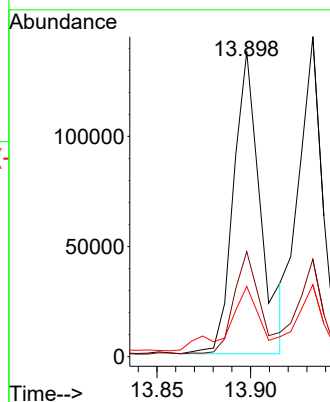
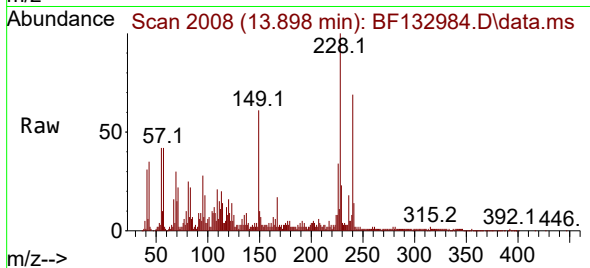
229 23.0 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#83

Chrysene

Concen: 4.885 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

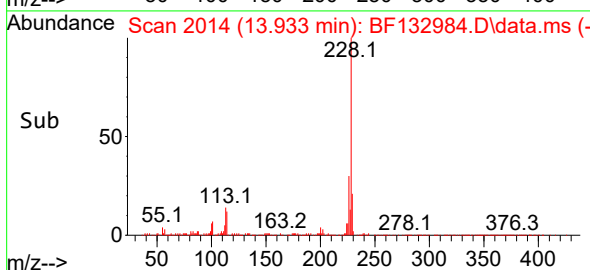
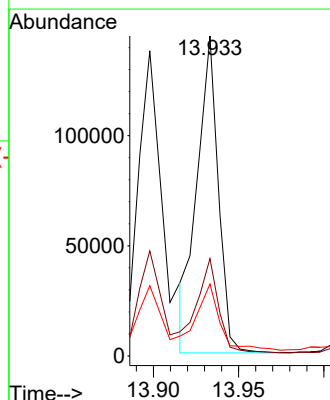
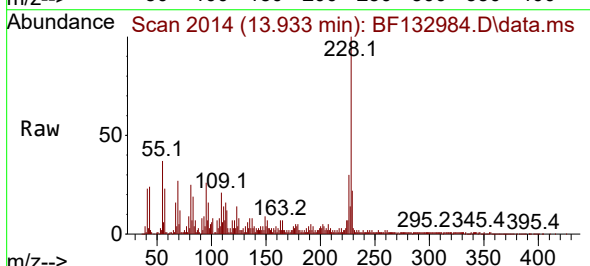
Tgt Ion:228 Resp: 124792

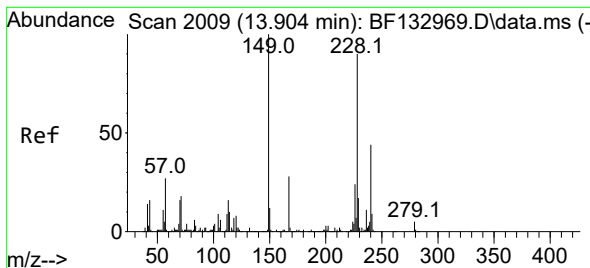
Ion Ratio Lower Upper

228 100

226 30.4 24.7 37.1

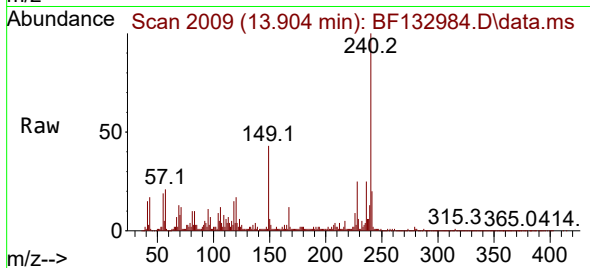
229 22.5 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 8.259 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

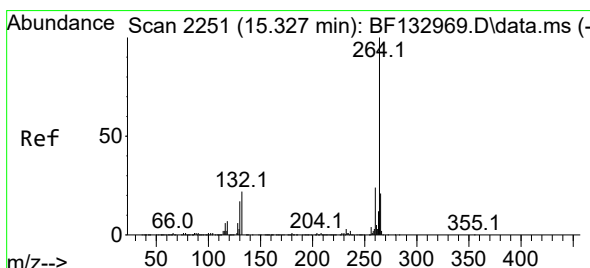
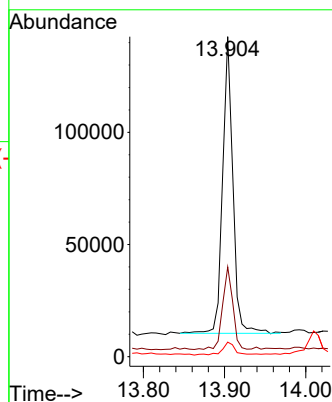
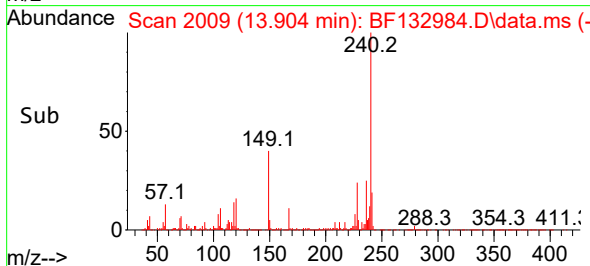
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion:149 Resp: 116909
Ion Ratio Lower Upper
149 100
167 28.0 22.5 33.7
279 4.6 4.2 6.4

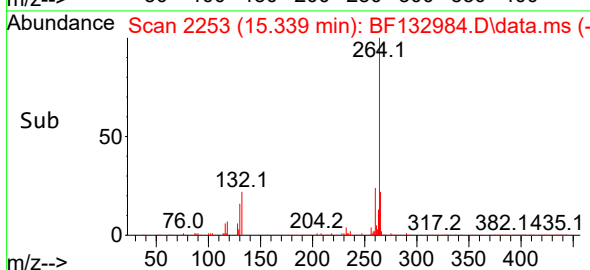
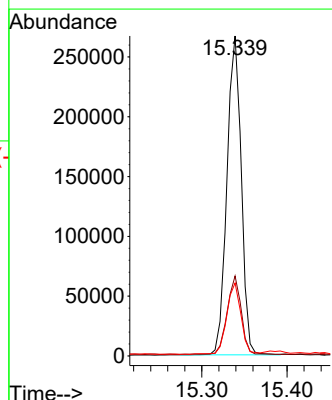
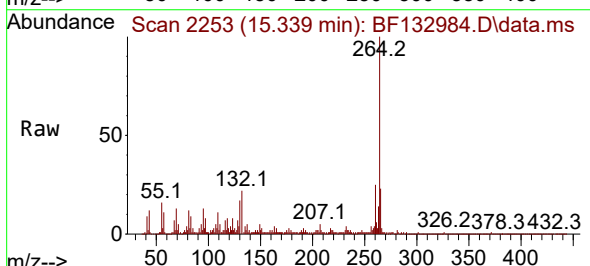
Manual Integrations
APPROVED

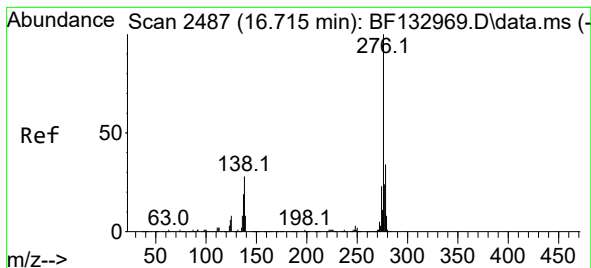
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.012 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:264 Resp: 311083
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.561 ng

RT: 16.721 min Scan# 2487

Delta R.T. 0.006 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

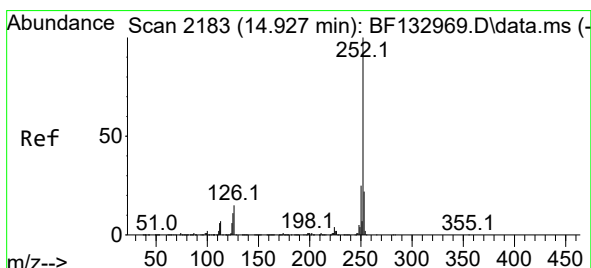
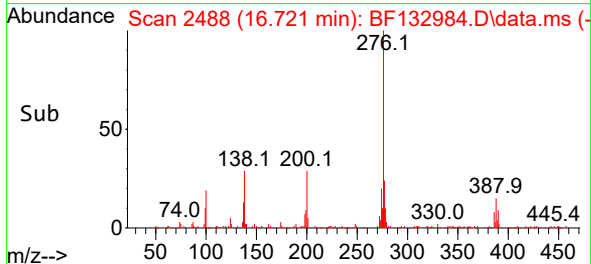
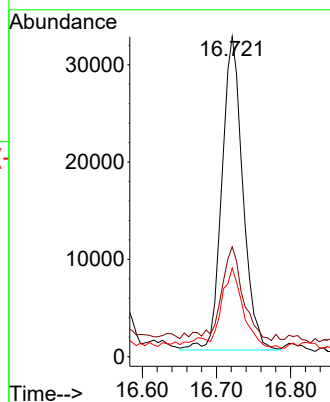
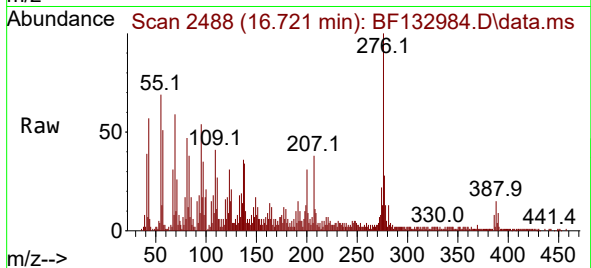
SPC-1WC-23-04-17

Tgt Ion:276 Resp: 63011
 Ion Ratio Lower Upper
 276 100
 138 30.3 25.5 38.3
 277 26.0 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 7.887 ng m

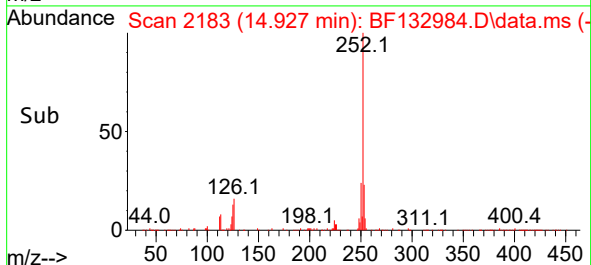
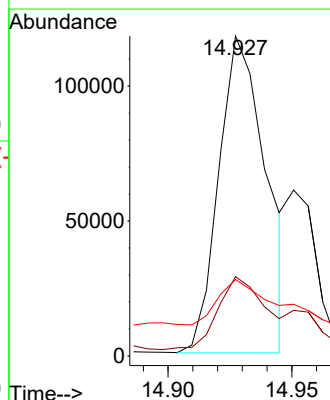
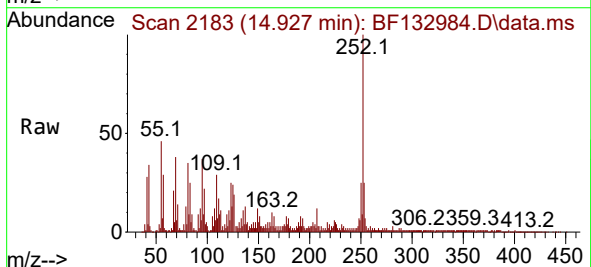
RT: 14.927 min Scan# 2183

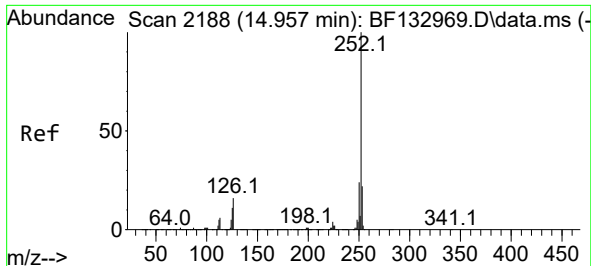
Delta R.T. 0.000 min

Lab File: BF132984.D

Acq: 21 Apr 2023 23:09

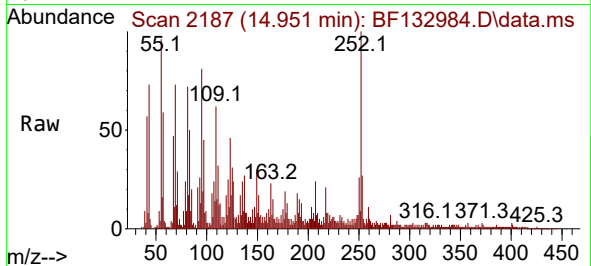
Tgt Ion:252 Resp: 156086
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.6 26.4
 125 23.9 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 2.514 ng m
RT: 14.951 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

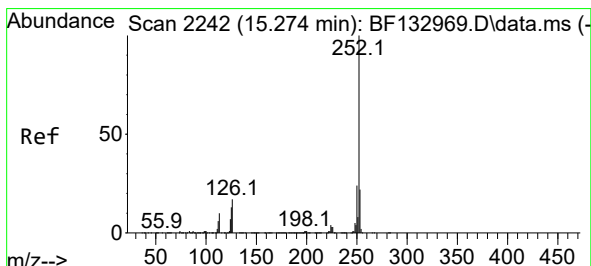
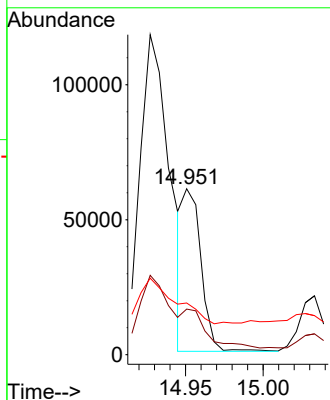
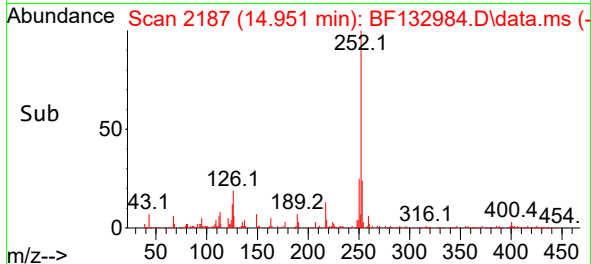
Instrument :
BNA_F
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion:252 Resp: 49320
Ion Ratio Lower Upper
252 100
253 27.4 17.7 26.5
125 31.2 9.0 13.4

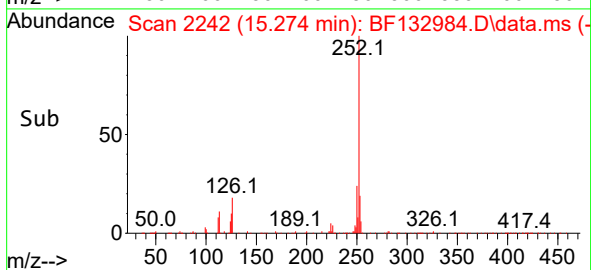
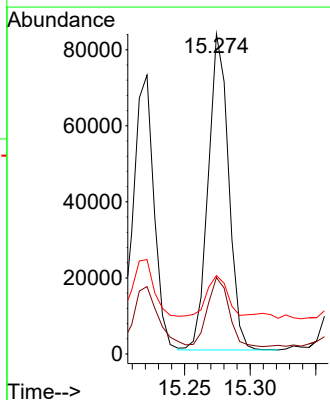
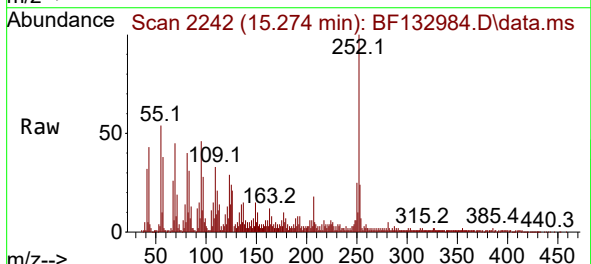
Manual Integrations
APPROVED

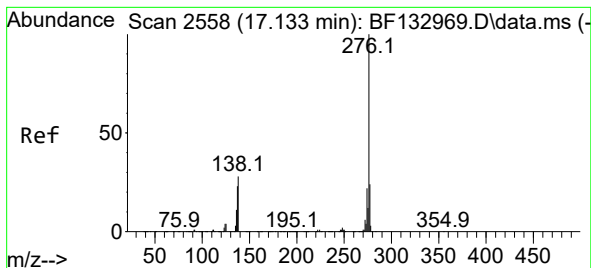
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90
Benzo(a)pyrene
Concen: 4.987 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.000 min
Lab File: BF132984.D
Acq: 21 Apr 2023 23:09

Tgt Ion:252 Resp: 89828
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 24.5 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 4.192 ng

RT: 17.139 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132984.D

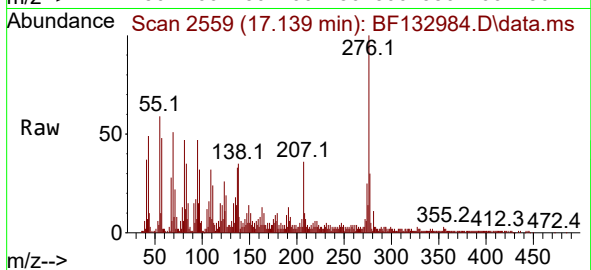
Acq: 21 Apr 2023 23:09

Instrument :

BNA_F

ClientSampleId :

SPC-1WC-23-04-17



Tgt Ion:	276	Resp:	61074
Ion Ratio	Lower	Upper	
276	100		
277	29.8	19.4	29.0
138	34.6	22.7	34.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

