

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132475.D
 Acq On : 20 Feb 2023 12:36
 Operator : CG\JU
 Sample : 01586-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023

Quant Time: Feb 20 12:59:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 18 00:58:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	275521	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	1014251	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	509640	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	810860	20.000	ng	0.00
76) Chrysene-d12	14.224	240	443926	20.000	ng	# 0.00
86) Perylene-d12	15.789	264	412445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	53782	3.128	ng	0.00
7) Phenol-d6	6.637	99	780454	34.761	ng	-0.01
23) Nitrobenzene-d5	7.584	82	869684	41.201	ng	-0.01
42) 2,4,6-Tribromophenol	10.860	330	931	0.183	ng	-0.01
45) 2-Fluorobiphenyl	9.384	172	1401611	42.471	ng	0.00
79) Terphenyl-d14	13.160	244	1079658	44.293	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.589	178	209748m	5.022	ng	
75) Fluoranthene	12.789	202	268149	5.757	ng	99
78) Pyrene	13.019	202	225981	5.992	ng	100
81) Benzo(a)anthracene	14.213	228	110154	3.388	ng	98
83) Chrysene	14.248	228	102949	3.314	ng	93
88) Benzo(b)fluoranthene	15.318	252	121655m	4.485	ng	
90) Benzo(a)pyrene	15.718	252	71313	2.829	ng	# 84

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

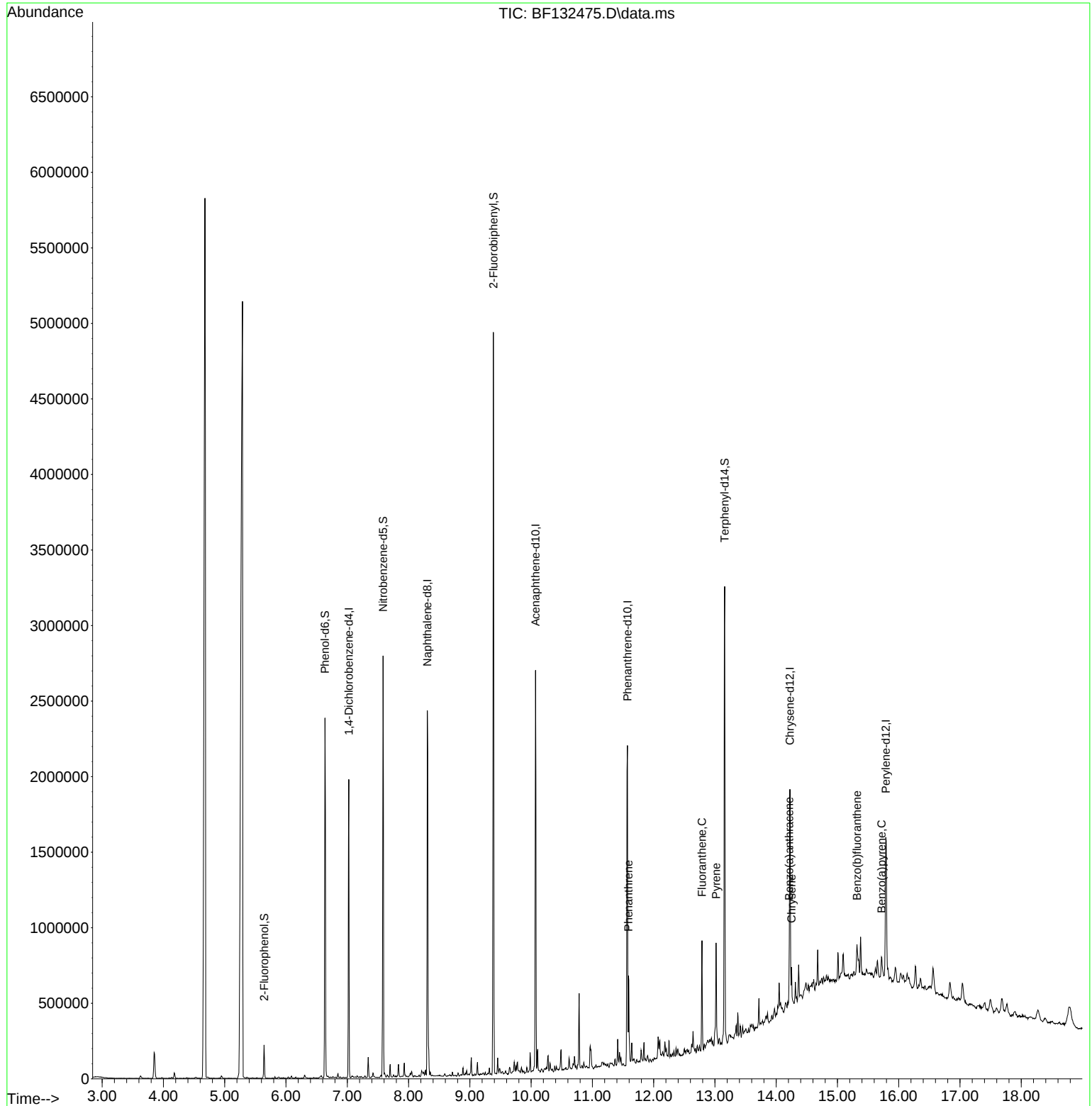
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132475.D
Acq On : 20 Feb 2023 12:36
Operator : CG\JU
Sample : 01586-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

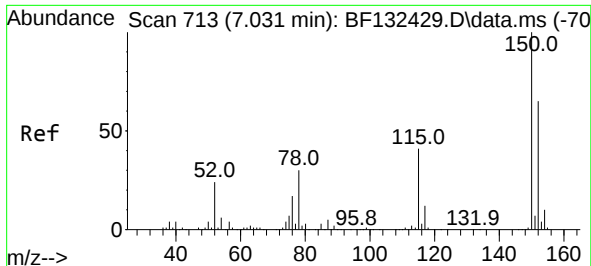
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Quant Time: Feb 20 12:59:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 18 00:58:25 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

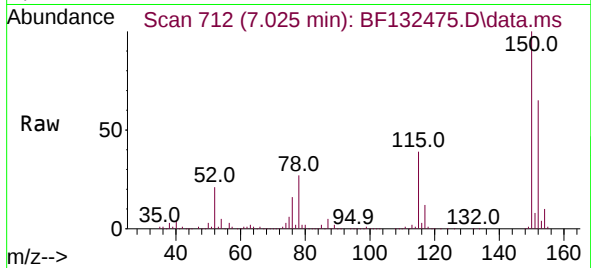
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

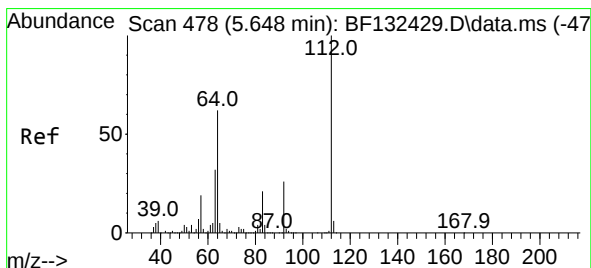
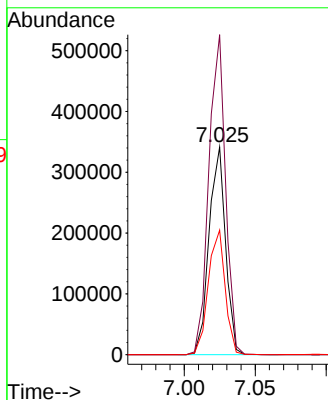
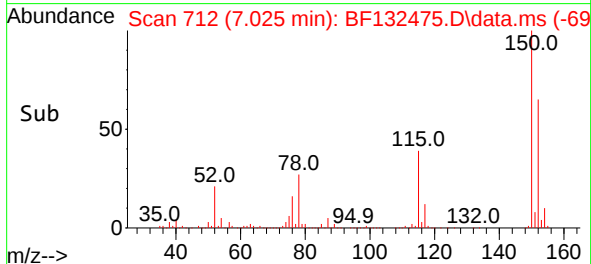
Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion:152 Resp: 275521
Ion Ratio Lower Upper
152 100
150 154.2 123.8 185.8
115 60.0 50.4 75.6

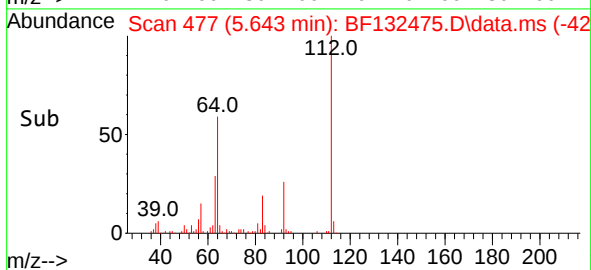
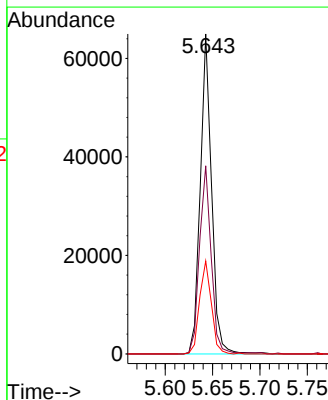
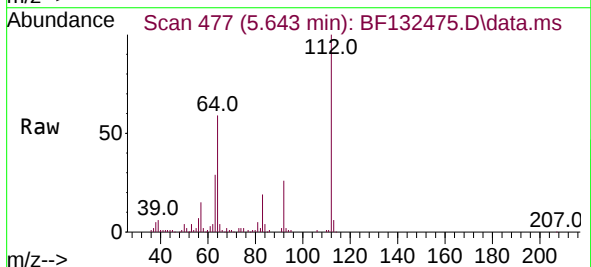
Manual Integrations
APPROVED

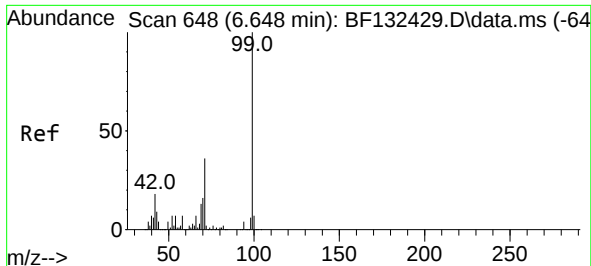
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 3.128 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

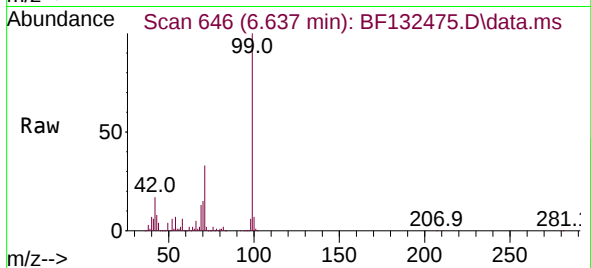
Tgt Ion:112 Resp: 53782
Ion Ratio Lower Upper
112 100
64 58.8 49.7 74.5
63 29.0 25.8 38.8





#7
Phenol-d6
Concen: 34.761 ng
RT: 6.637 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

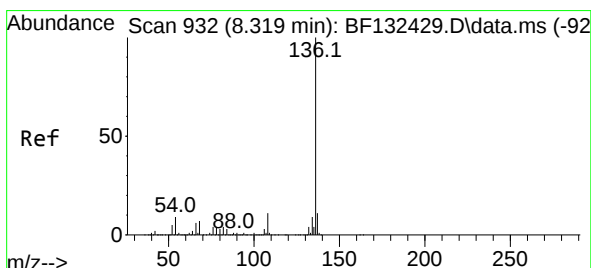
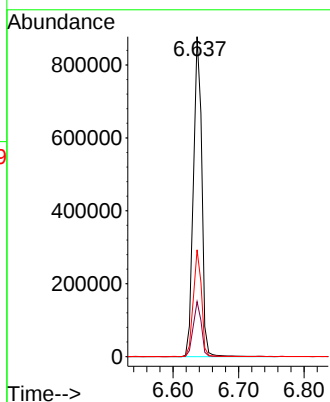
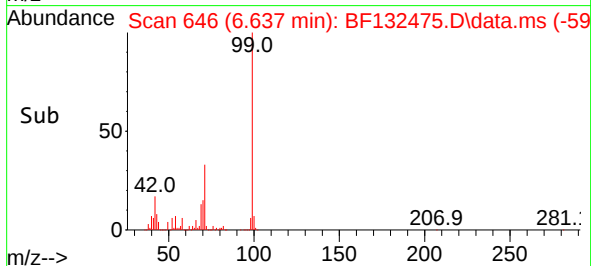
Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion: 99 Resp: 780454
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 33.4 28.7 43.1

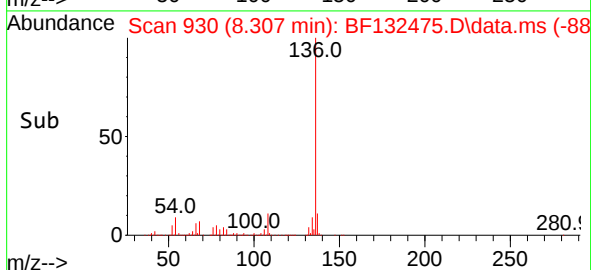
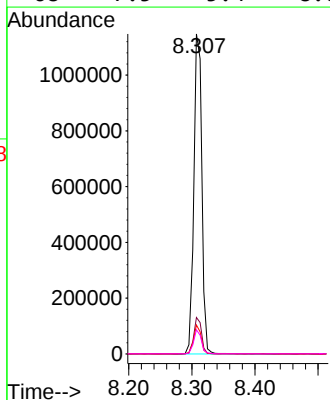
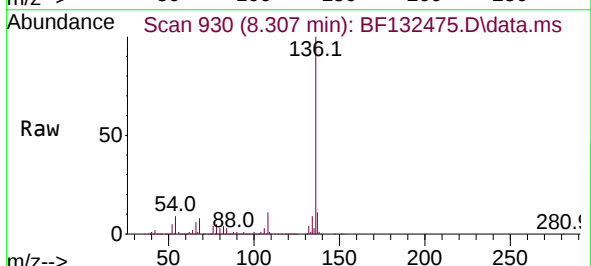
Manual Integrations
APPROVED

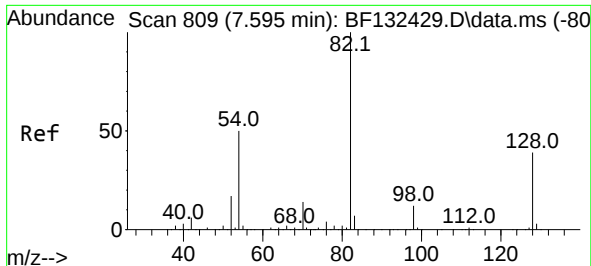
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:136 Resp: 1014251
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.1 6.9 10.3
68 7.5 5.4 8.0





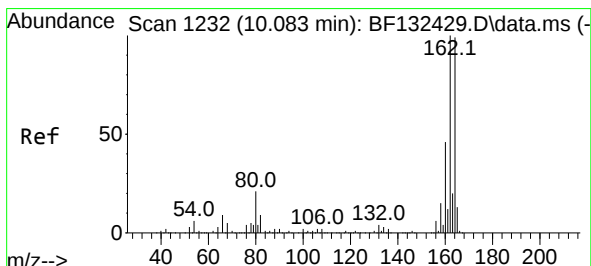
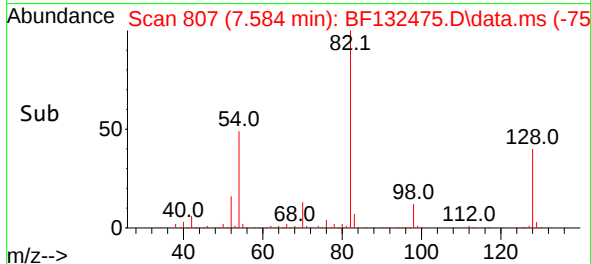
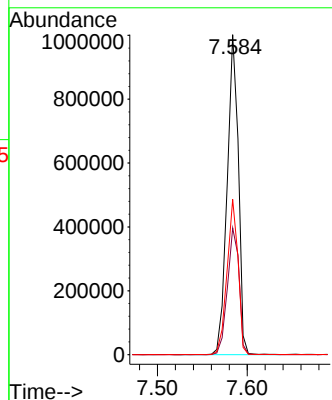
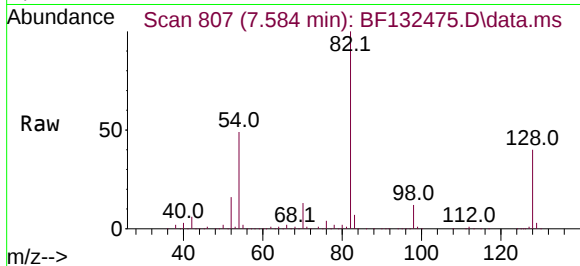
#23
Nitrobenzene-d5
Concen: 41.201 ng
RT: 7.584 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion: 82 Resp: 869684
Ion Ratio Lower Upper
82 100
128 39.6 30.8 46.2
54 48.5 40.2 60.4

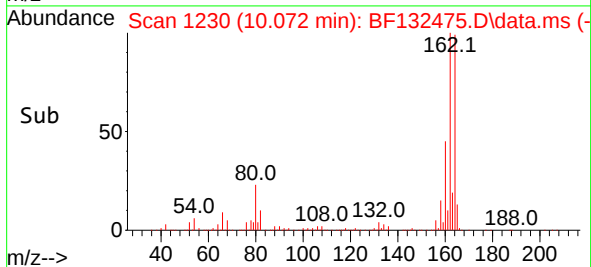
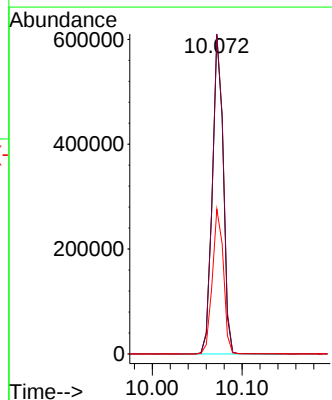
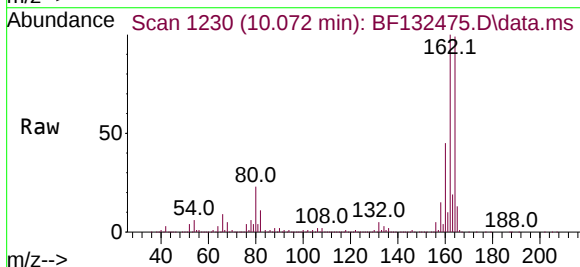
Manual Integrations
APPROVED

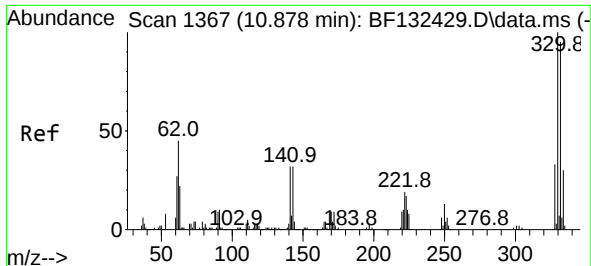
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

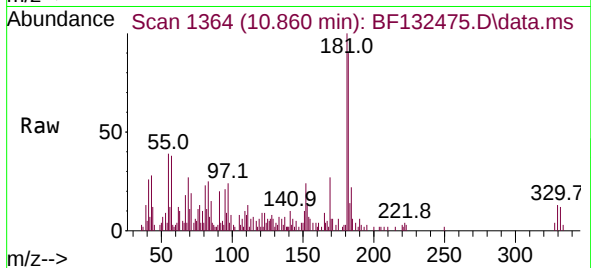
Tgt Ion:164 Resp: 509640
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.6 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 10.860 min Scan# 1367
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

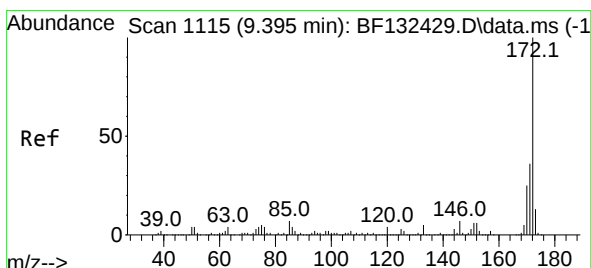
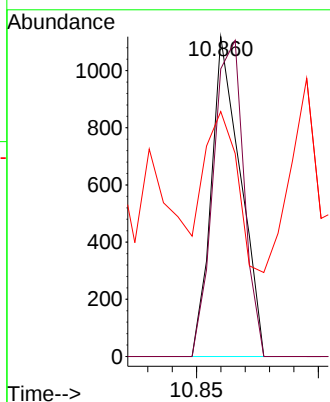
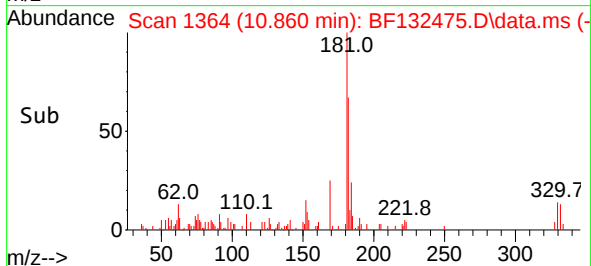
Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion: 330 Resp: 931
Ion Ratio Lower Upper
330 100
332 103.8 76.3 114.5
141 54.8 30.3 45.5

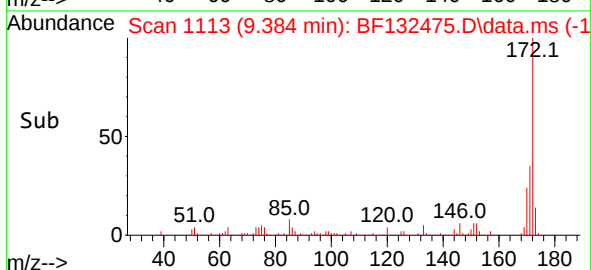
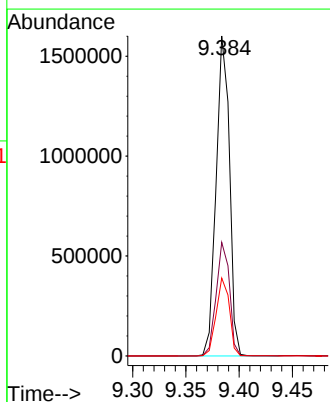
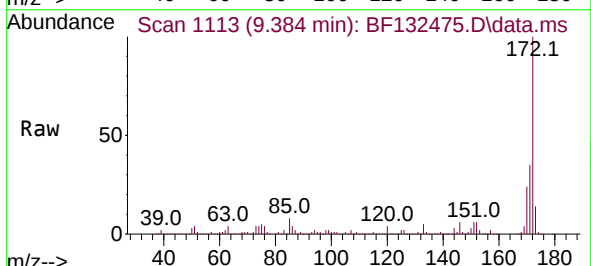
Manual Integrations
APPROVED

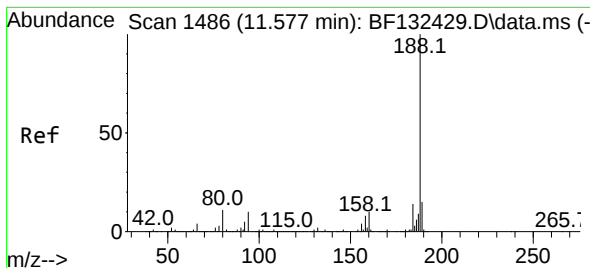
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023



#45
2-Fluorobiphenyl
Concen: 42.471 ng
RT: 9.384 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion: 172 Resp: 1401611
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 24.3 19.9 29.9





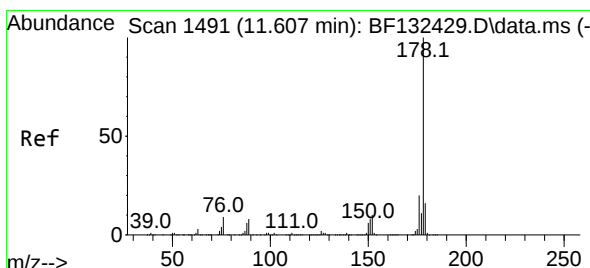
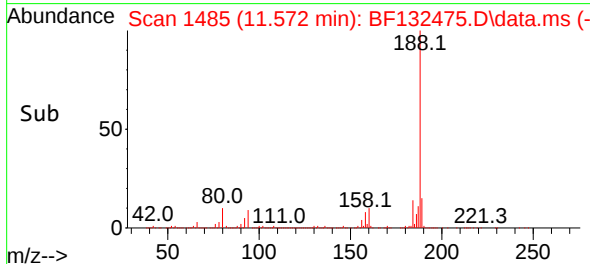
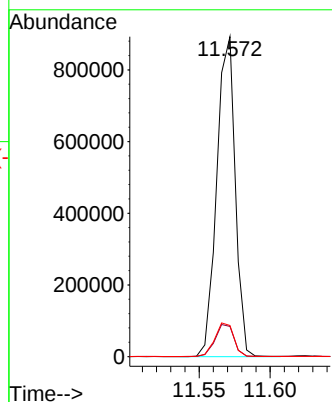
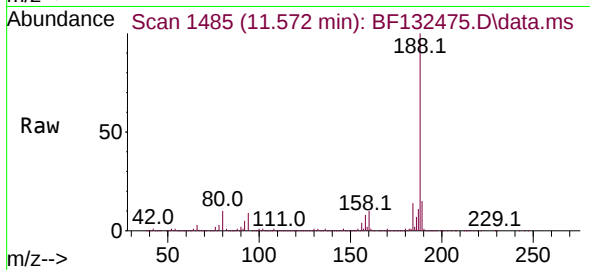
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:188 Resp: 810860
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 9.7 8.6 12.8

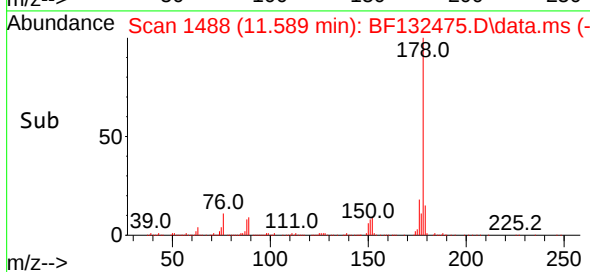
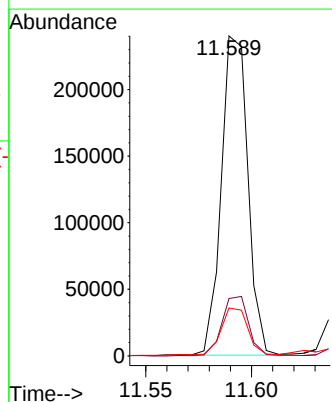
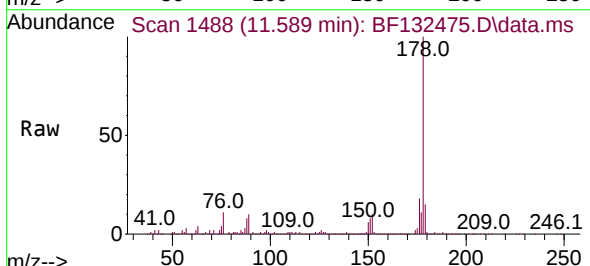
Manual Integrations
APPROVED

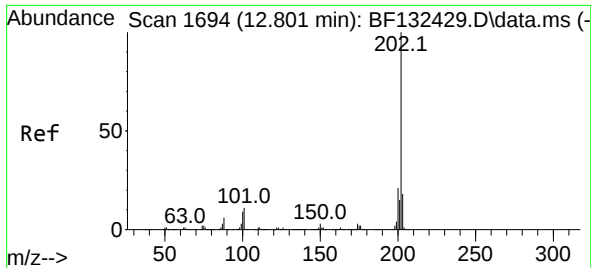
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#71
Phenanthrene
Concen: 5.022 ng m
RT: 11.589 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

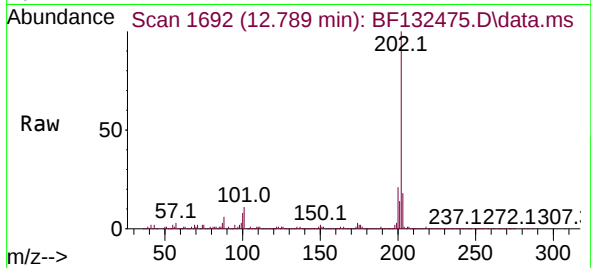
Tgt Ion:178 Resp: 209748
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.2
179 15.0 12.6 18.8





#75
Fluoranthene
Concen: 5.757 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

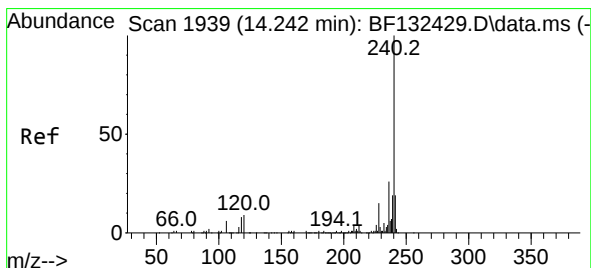
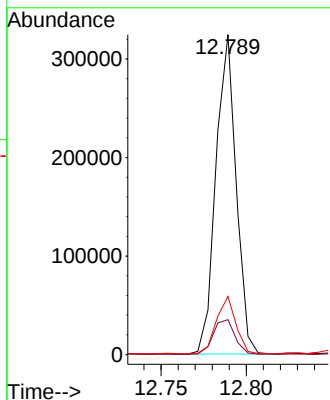
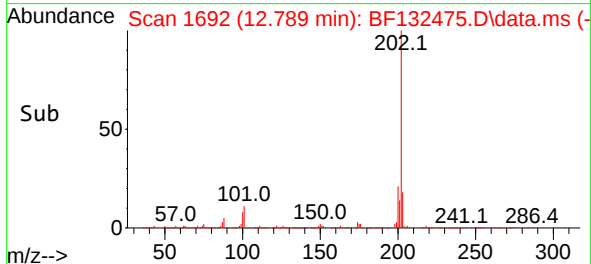
Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion:202 Resp: 268149
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 18.2 0.0 37.8

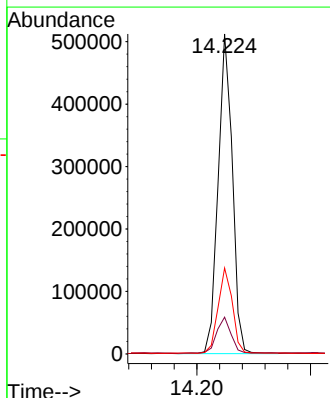
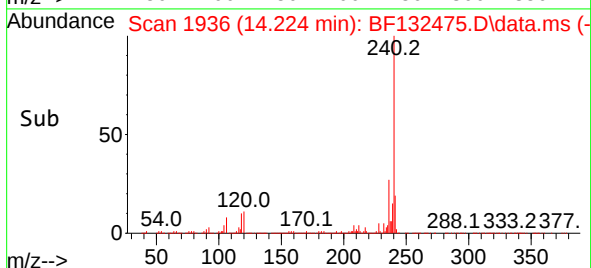
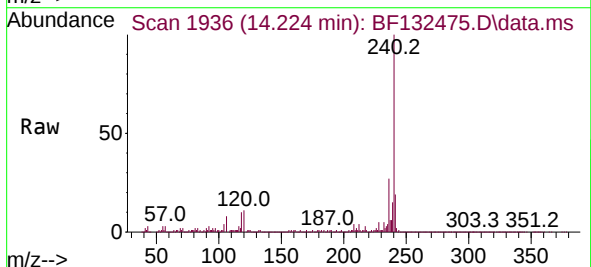
Manual Integrations
APPROVED

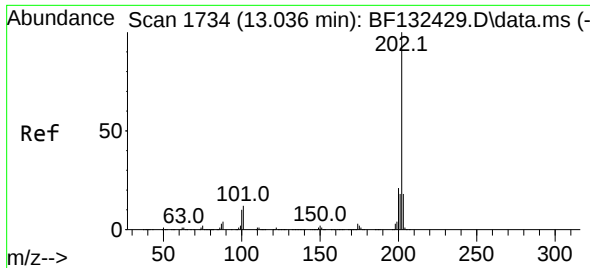
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

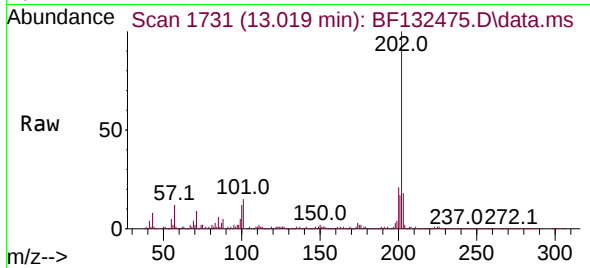
Tgt Ion:240 Resp: 443926
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 26.8 21.0 31.6





#78
Pyrene
Concen: 5.992 ng
RT: 13.019 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

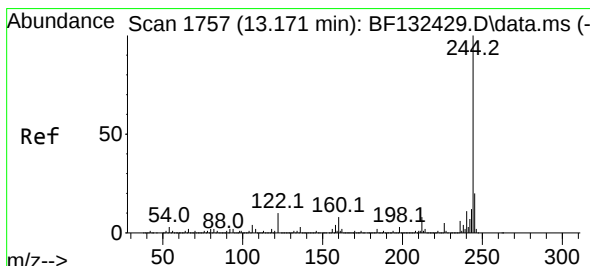
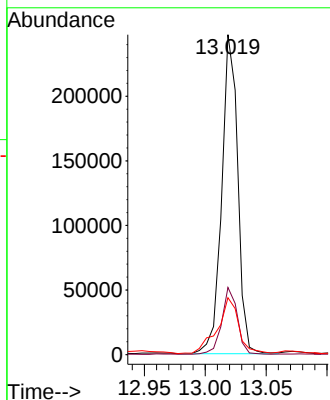
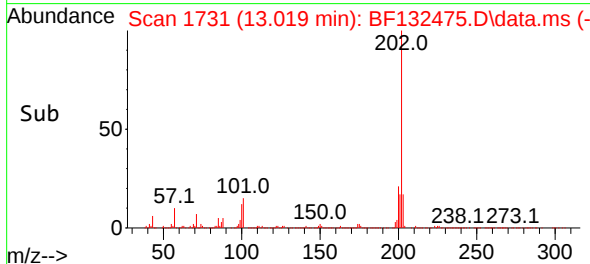
Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion:202 Resp: 225983
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 17.8 14.3 21.5

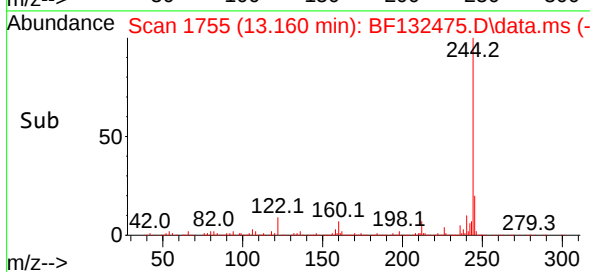
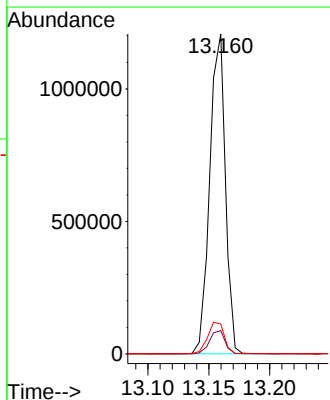
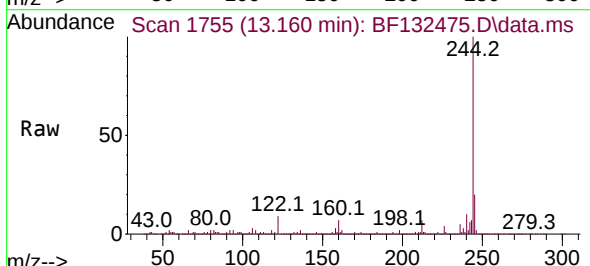
Manual Integrations
APPROVED

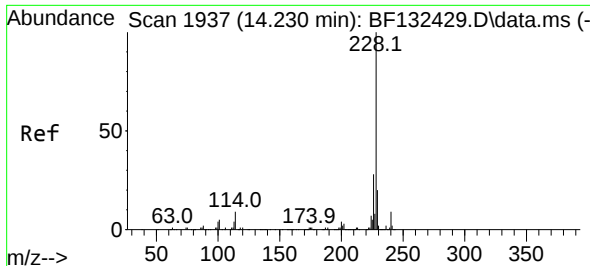
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#79
Terphenyl-d14
Concen: 44.293 ng
RT: 13.160 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

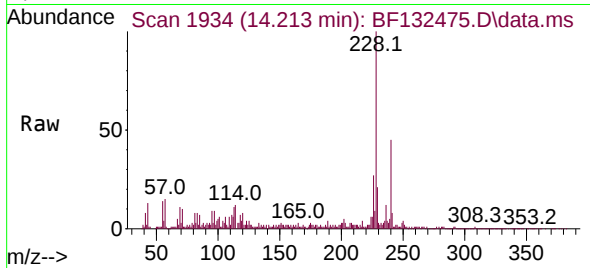
Tgt Ion:244 Resp: 1079658
Ion Ratio Lower Upper
244 100
212 7.3 6.7 10.1
122 9.3 7.7 11.5





#81
Benzo(a)anthracene
Concen: 3.388 ng
RT: 14.213 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

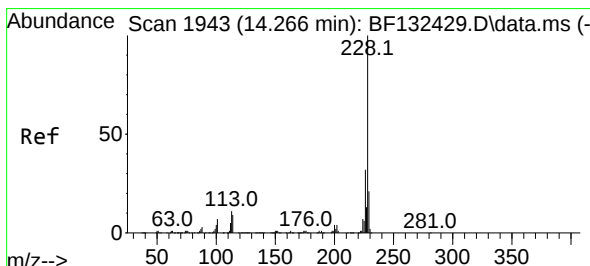
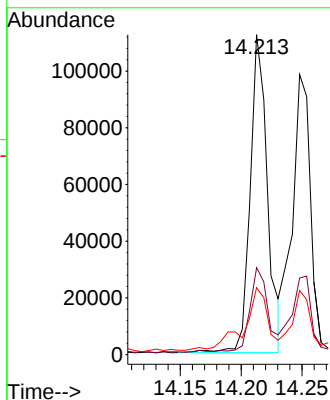
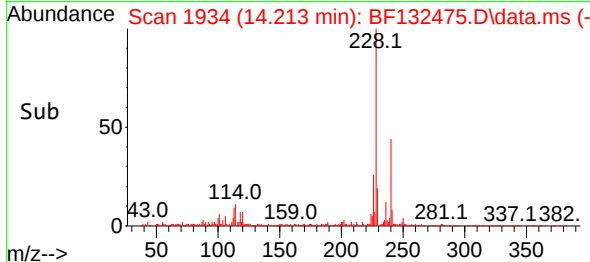
Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion:228 Resp: 110154
Ion Ratio Lower Upper
228 100
226 27.2 22.6 34.0
229 20.9 16.2 24.4

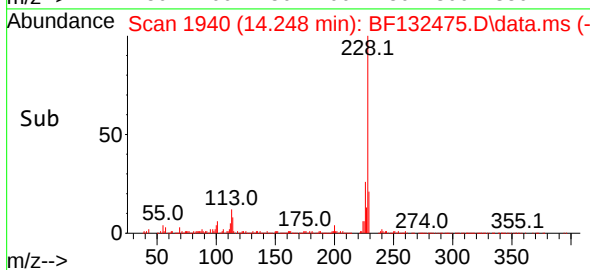
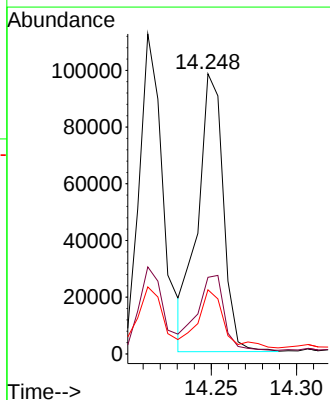
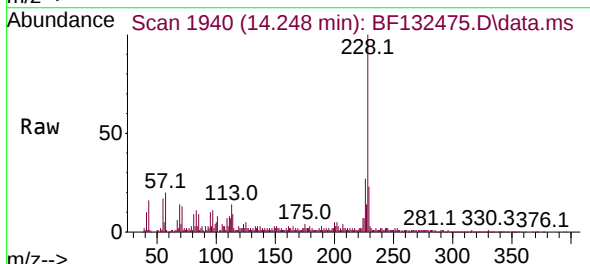
Manual Integrations
APPROVED

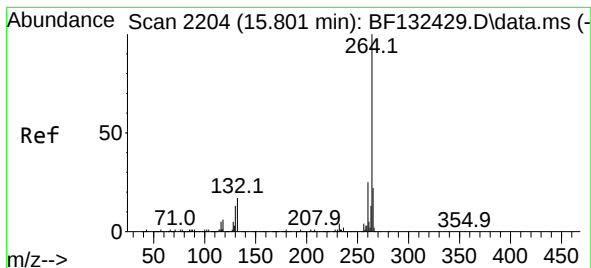
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#83
Chrysene
Concen: 3.314 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:228 Resp: 102949
Ion Ratio Lower Upper
228 100
226 27.3 25.4 38.2
229 22.9 16.6 25.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.789 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Instrument :

BNA_F

ClientSampleId :

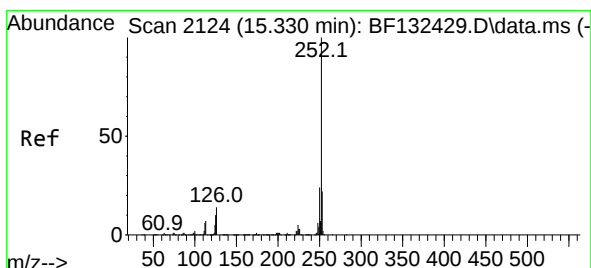
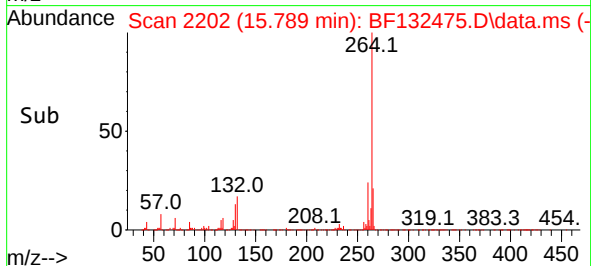
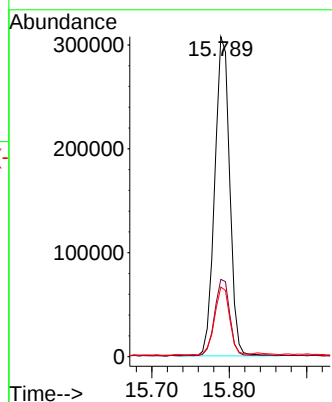
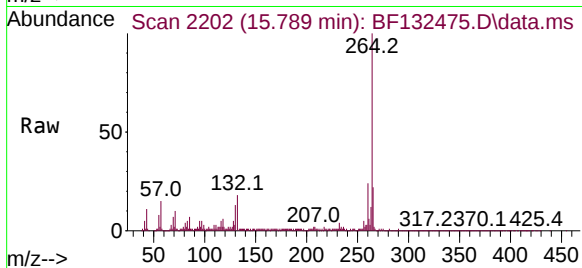
COMP-1RE

Tgt Ion:264 Resp: 412445
Ion Ratio Lower Upper
264 100
260 24.1 20.0 30.0
265 21.8 17.2 25.8

Manual Integrations

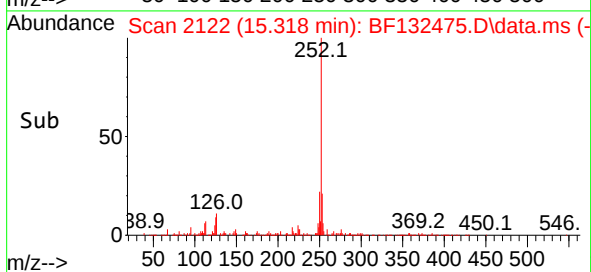
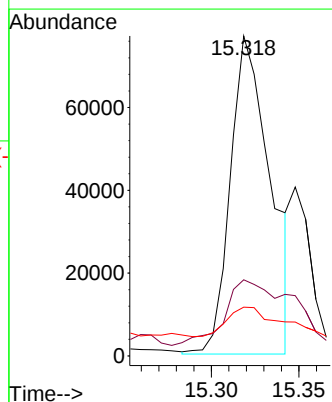
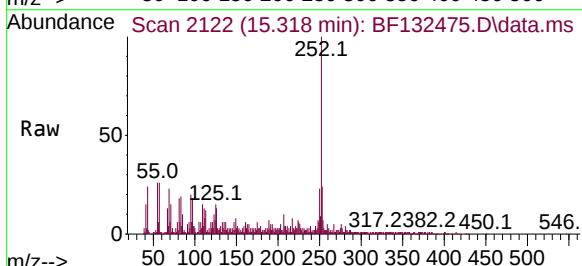
APPROVED

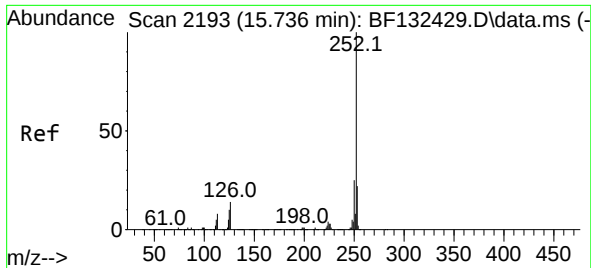
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#88
Benzo(b)fluoranthene
Concen: 4.485 ng m
RT: 15.318 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

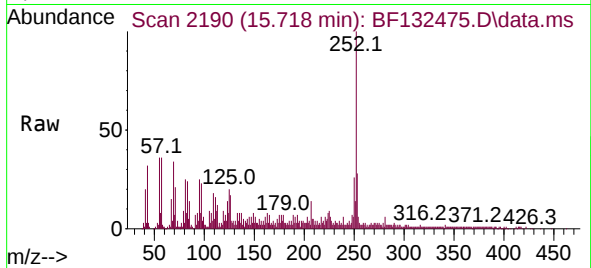
Tgt Ion:252 Resp: 121655
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 15.2 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 2.829 ng
RT: 15.718 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Instrument :
BNA_F
ClientSampleId :
COMP-1RE



Tgt Ion:252 Resp: 71313
Ion Ratio Lower Upper
252 100
253 27.6 17.6 26.4
125 20.2 8.2 12.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

