

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
 Data File : BF132687.D
 Acq On : 07 Mar 2023 20:10
 Operator : CG\JU
 Sample : 01827-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-030623

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2023
 Supervised By : Jagrut Upadhyay 03/08/2023

Quant Time: Mar 08 04:43:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	197475	20.000	ng	0.00
21) Naphthalene-d8	8.275	136	698849	20.000	ng	0.00
39) Acenaphthene-d10	10.033	164	333880	20.000	ng	0.00
64) Phenanthrene-d10	11.528	188	531611	20.000	ng	0.00
76) Chrysene-d12	14.186	240	365726	20.000	ng	#-0.01
86) Perylene-d12	15.739	264	293748	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1062726	87.341	ng	0.00
7) Phenol-d6	6.616	99	1344606	84.675	ng	0.00
23) Nitrobenzene-d5	7.551	82	855196	58.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.828	330	284915	79.017	ng	0.00
45) 2-Fluorobiphenyl	9.351	172	1293208	58.977	ng	0.00
79) Terphenyl-d14	13.122	244	1145312	52.948	ng	0.00
Target Compounds						Qvalue
55) Dibenzofuran	10.239	168	60365	2.045	ng	94
58) Fluorene	10.581	166	78521	3.478	ng	98
71) Phenanthrene	11.551	178	399436	14.504	ng	98
72) Anthracene	11.604	178	94611	3.336	ng	98
75) Fluoranthene	12.751	202	427892	14.212	ng	99
78) Pyrene	12.980	202	393178	11.825	ng	99
81) Benzo(a)anthracene	14.174	228	194295	7.100	ng	98
83) Chrysene	14.216	228	172258	6.732	ng	97
87) Indeno(1,2,3-cd)pyrene	17.321	276	56508	2.936	ng	98
88) Benzo(b)fluoranthene	15.274	252	179868m	9.137	ng	
89) Benzo(k)fluoranthene	15.298	252	60575m	3.144	ng	
90) Benzo(a)pyrene	15.668	252	122142	6.629	ng	# 93
92) Benzo(g,h,i)perylene	17.809	276	55111	4.619	ng	# 93

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

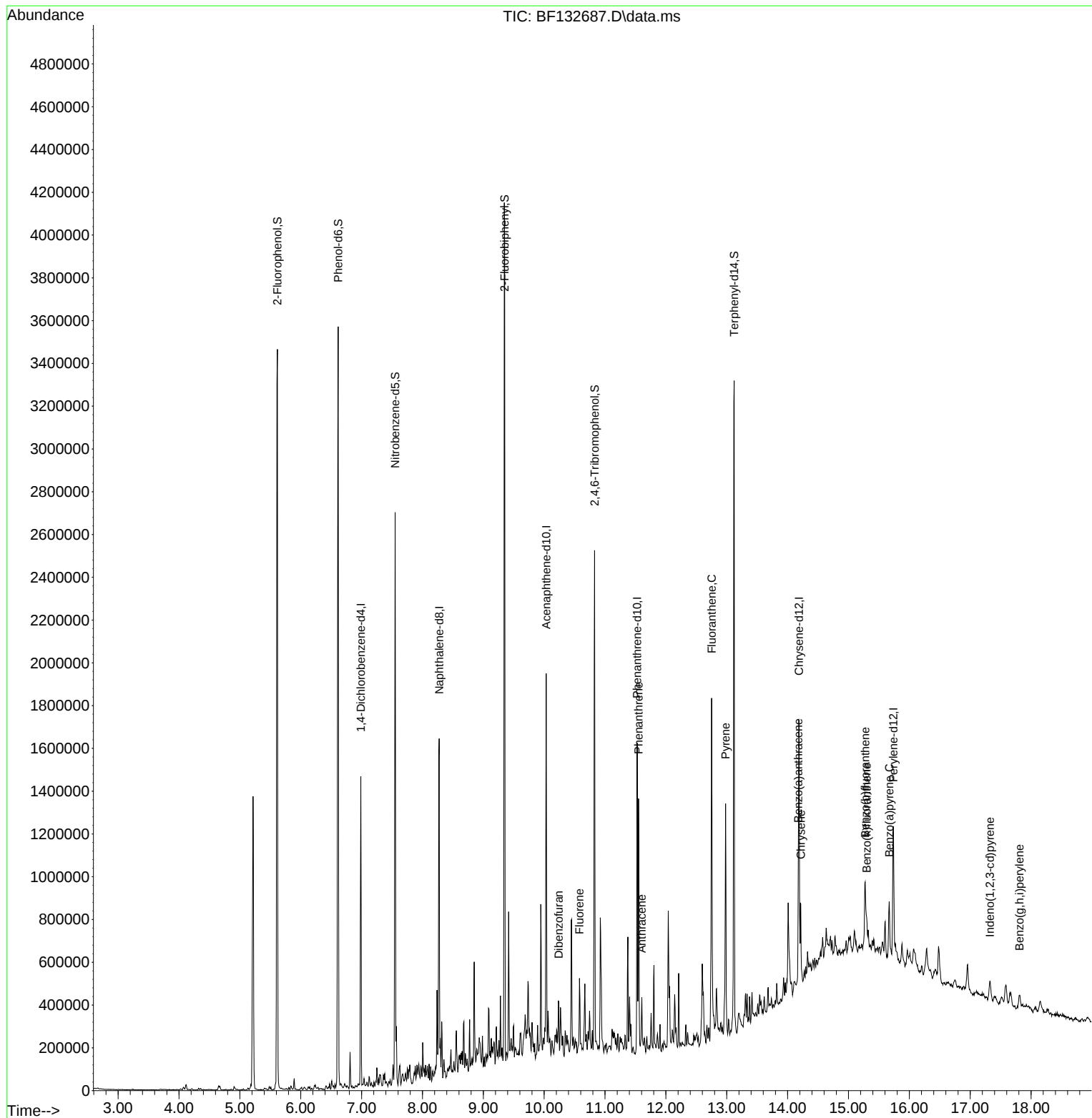
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030723\
Data File : BF132687.D
Acq On : 07 Mar 2023 20:10
Operator : CG\JU
Sample : 01827-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-03-030623

Quant Time: Mar 08 04:43:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 07 13:42:31 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

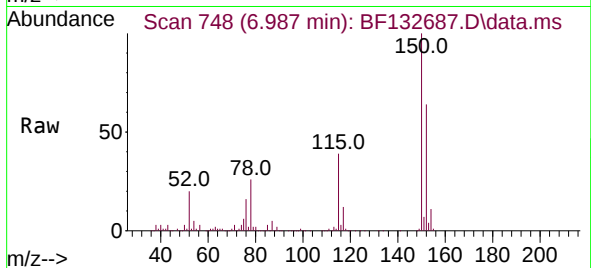
Reviewed By : Christian Giraldo 03/08/2023
Supervised By : Jagrut Upadhyay 03/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

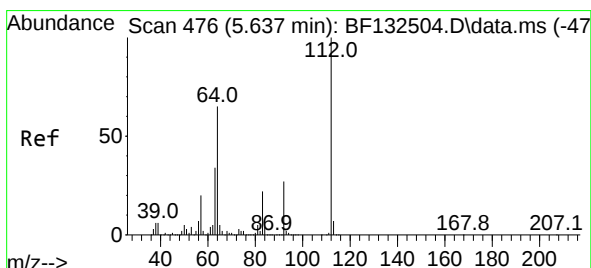
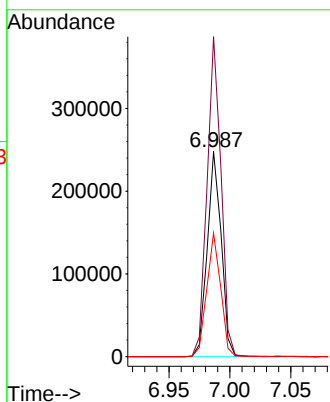
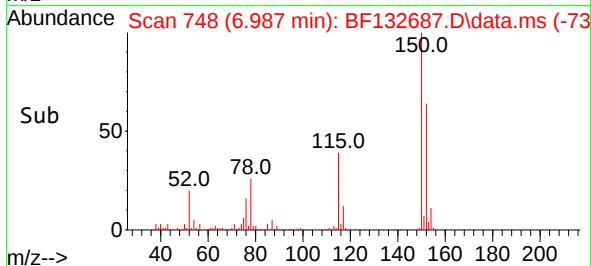
Instrument :
BNA_F
ClientSampleId :
EO-03-030623



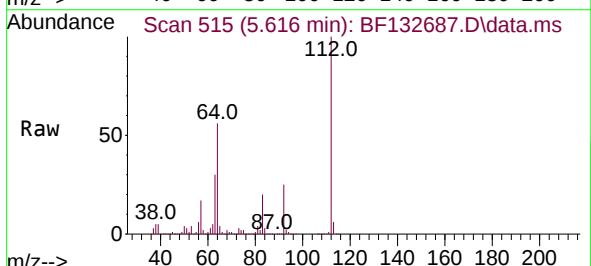
Tgt Ion:152 Resp: 197475
Ion Ratio Lower Upper
152 100
150 155.9 125.4 188.2
115 60.2 47.8 71.6

Manual Integrations
APPROVED

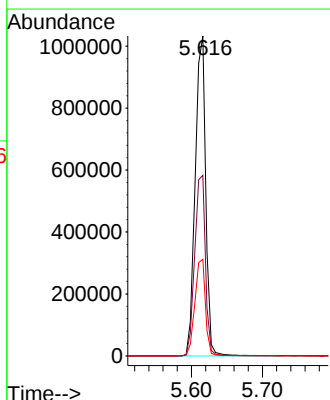
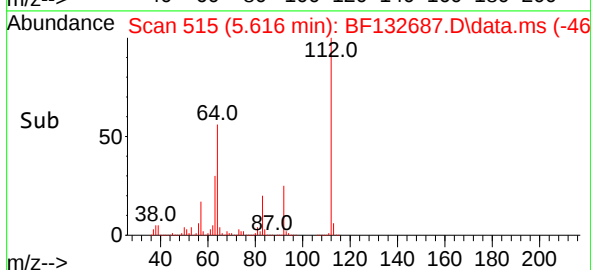
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

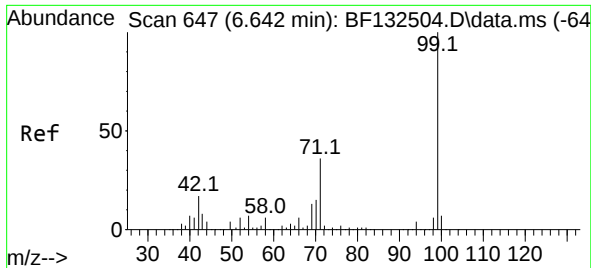


#5
2-Fluorophenol
Concen: 87.341 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.000 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10



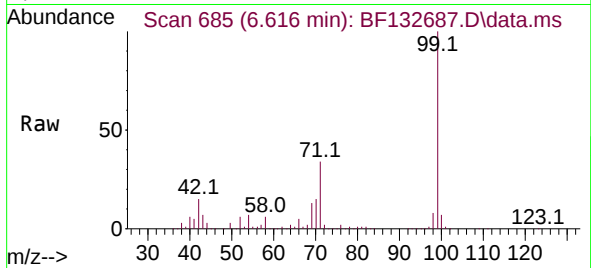
Tgt Ion:112 Resp: 1062726
Ion Ratio Lower Upper
112 100
64 56.4 51.6 77.4
63 30.2 27.4 41.2





#7
Phenol-d6
Concen: 84.675 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

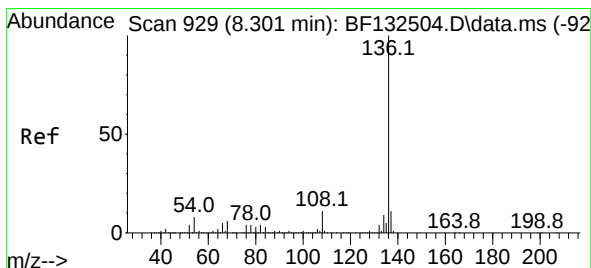
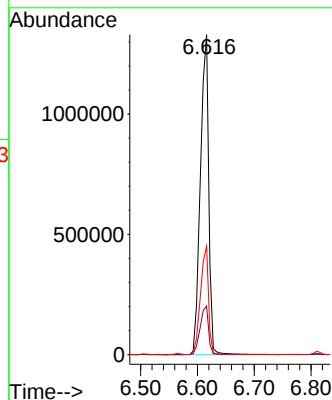
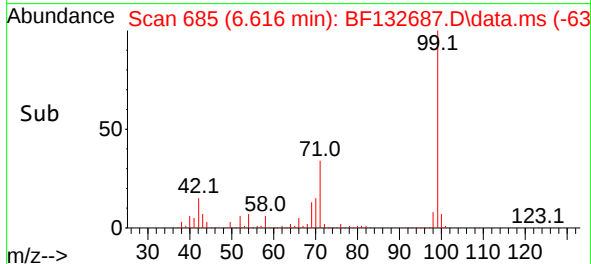
Instrument :
BNA_F
ClientSampleId :
EO-03-030623



Tgt Ion: 99 Resp: 1344606
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 33.9 28.5 42.7

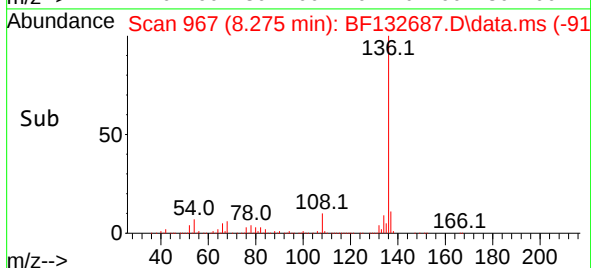
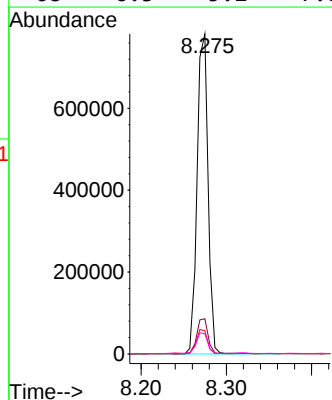
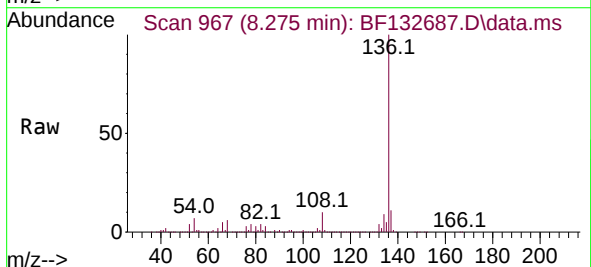
Manual Integrations
APPROVED

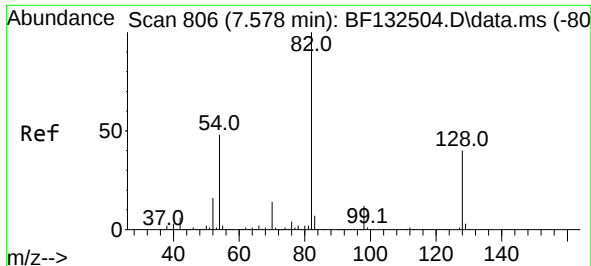
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.275 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

Tgt Ion:136 Resp: 698849
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 6.2 9.4
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 58.059 ng

RT: 7.551 min Scan# 844

Delta R.T. -0.012 min

Lab File: BF132687.D

Acq: 07 Mar 2023 20:10

Instrument :

BNA_F

ClientSampleId :

EO-03-030623

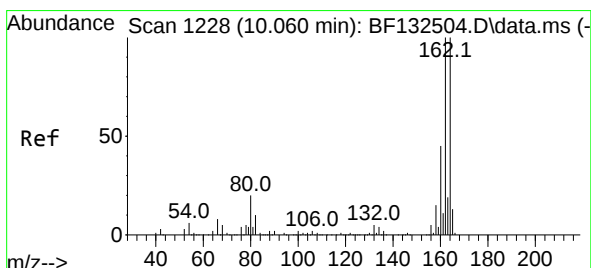
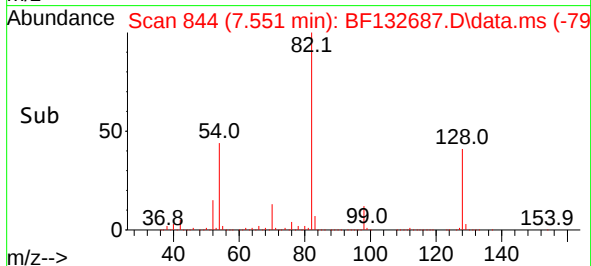
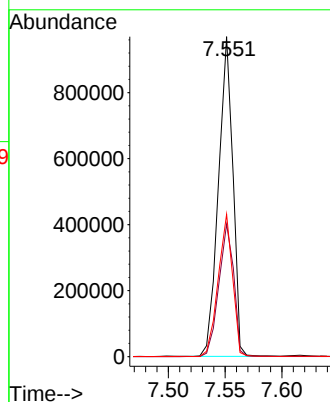
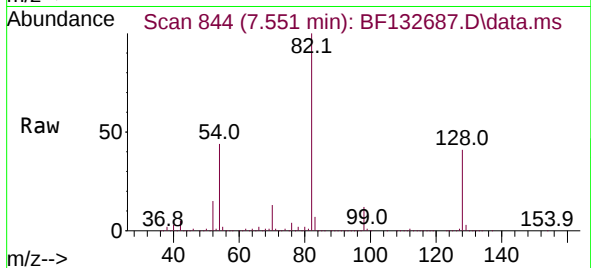
Tgt Ion: 82 Resp: 855196

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.2	48.2
54	44.5	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.033 min Scan# 1266

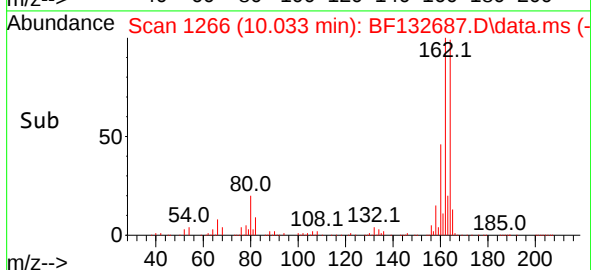
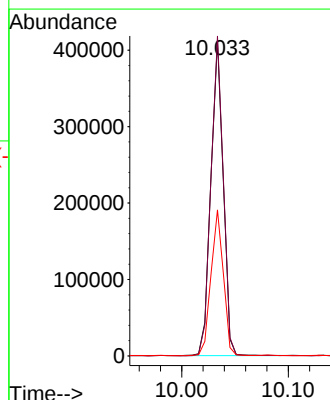
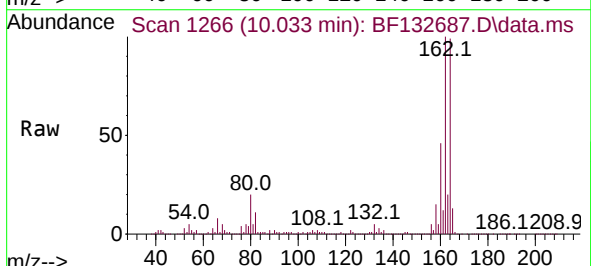
Delta R.T. -0.006 min

Lab File: BF132687.D

Acq: 07 Mar 2023 20:10

Tgt Ion:164 Resp: 333880

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.8	119.8
160	46.3	35.8	53.6





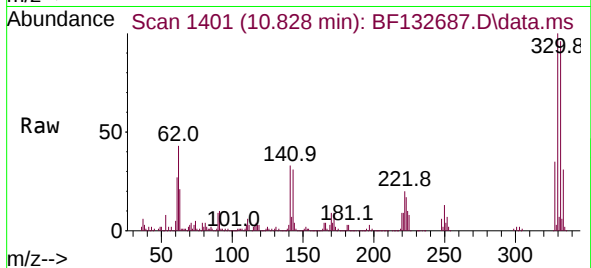
#42
2,4,6-Tribromophenol
Concen: 79.017 ng
RT: 10.828 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

Instrument :

BNA_F

ClientSampleId :

EO-03-030623

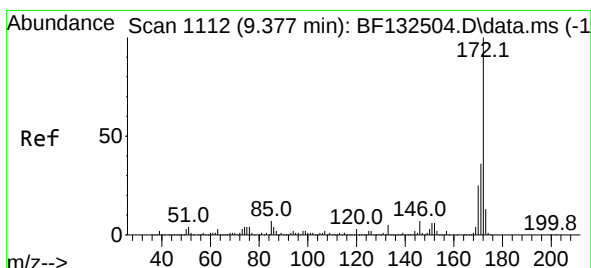
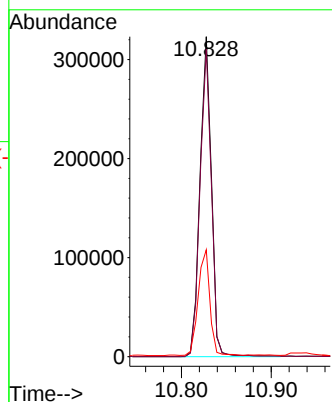
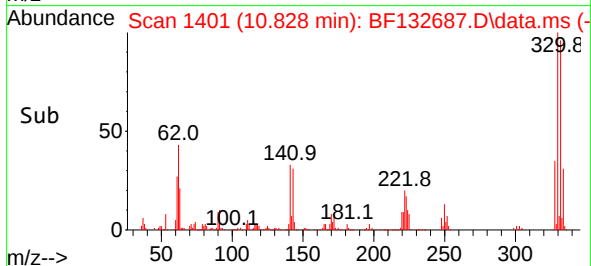


Tgt Ion: 330 Resp: 284915
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.4
141 34.2 28.4 42.6

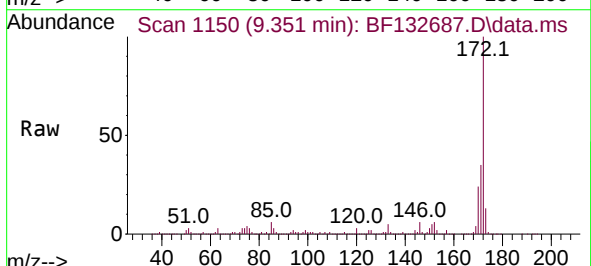
Manual Integrations

APPROVED

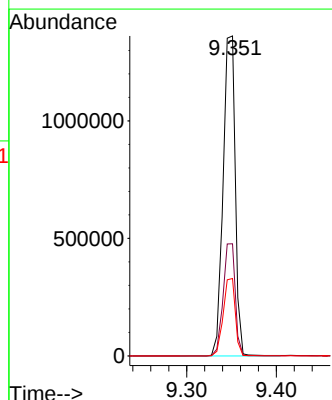
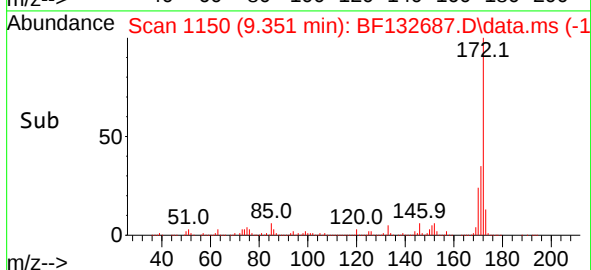
Reviewed By : Christian Giraldo 03/08/2023
Supervised By : Jagrut Upadhyay 03/08/2023

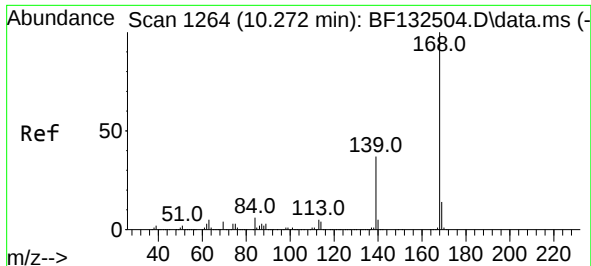


#45
2-Fluorobiphenyl
Concen: 58.977 ng
RT: 9.351 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10



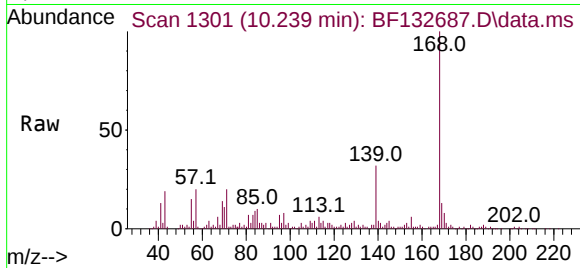
Tgt Ion: 172 Resp: 1293208
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.2 19.7 29.5





#55
Dibenzenofuran
Concen: 2.045 ng
RT: 10.239 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

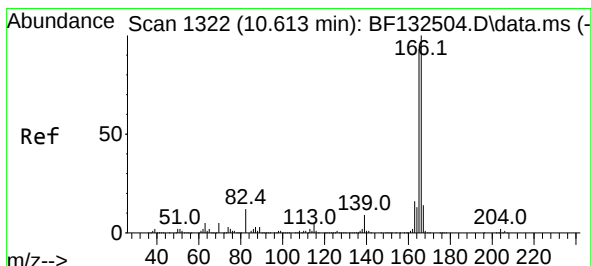
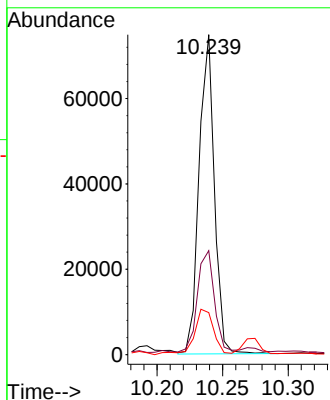
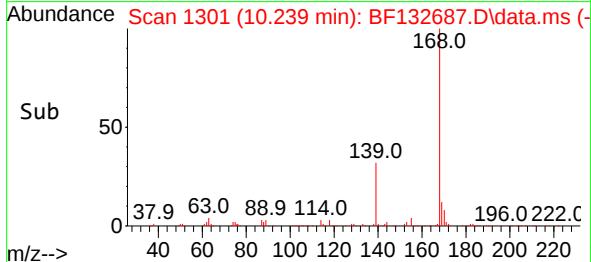
Instrument :
BNA_F
ClientSampleId :
EO-03-030623



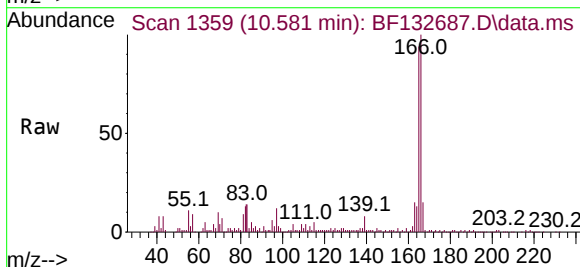
Tgt Ion:168 Resp: 60365
Ion Ratio Lower Upper
168 100
139 32.5 29.8 44.6
169 13.1 10.9 16.3

Manual Integrations
APPROVED

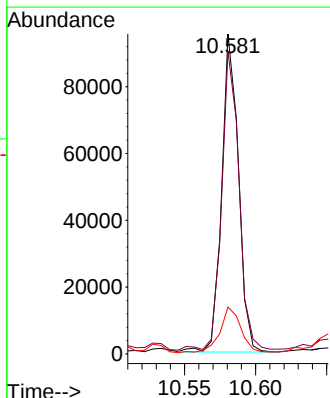
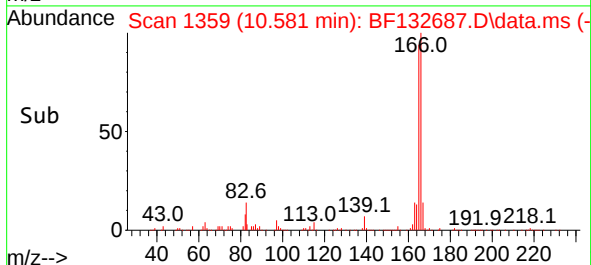
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

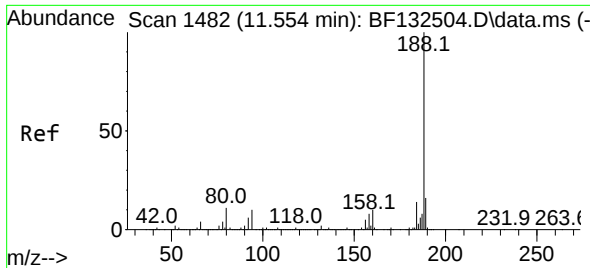


#58
Fluorene
Concen: 3.478 ng
RT: 10.581 min Scan# 1359
Delta R.T. -0.012 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10



Tgt Ion:166 Resp: 78521
Ion Ratio Lower Upper
166 100
165 94.5 74.2 111.4
167 14.6 11.1 16.7





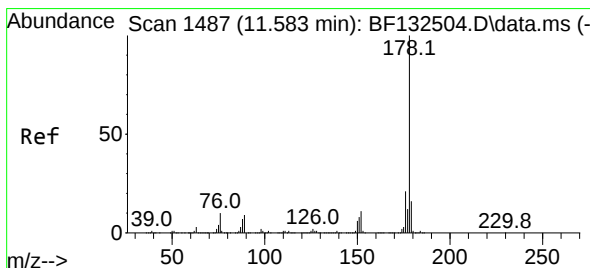
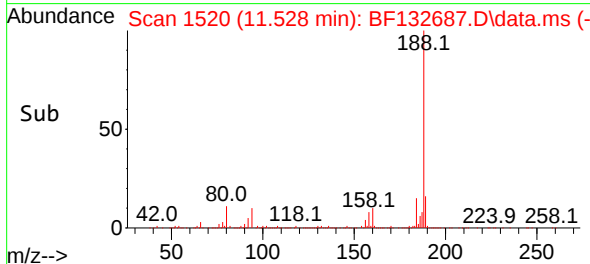
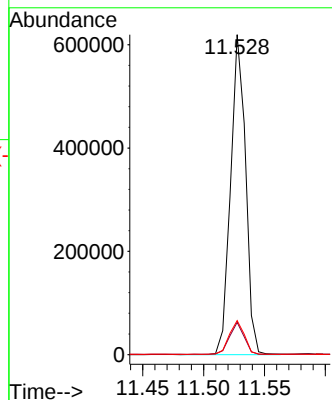
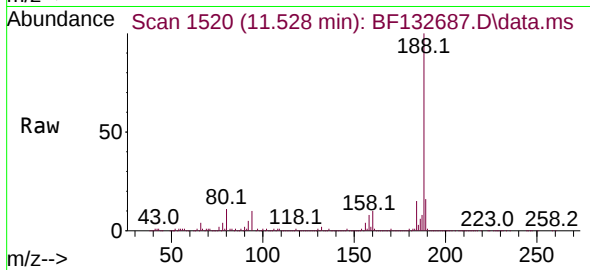
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

Instrument :
BNA_F
ClientSampleId :
EO-03-030623

Tgt Ion:188 Resp: 53161
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.6 8.7 13.1

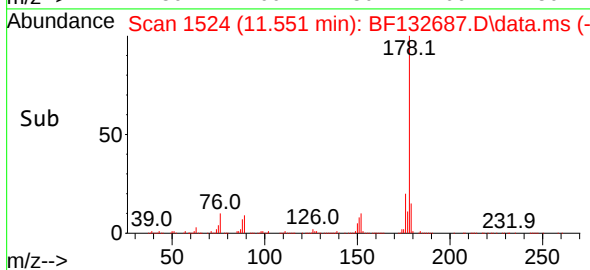
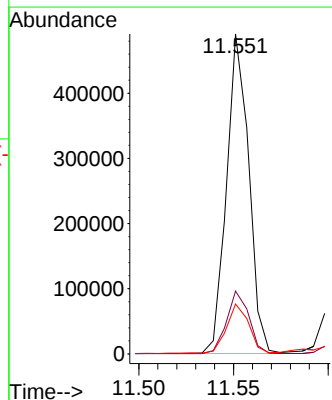
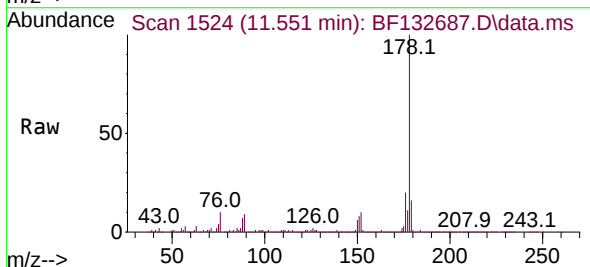
Manual Integrations
APPROVED

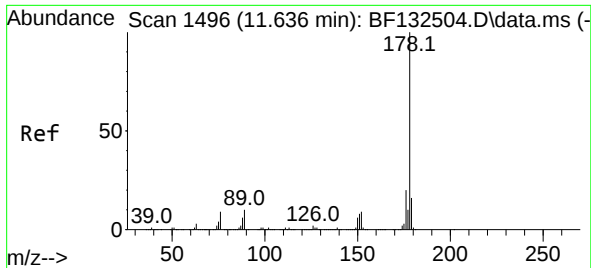
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#71
Phenanthrene
Concen: 14.504 ng
RT: 11.551 min Scan# 1524
Delta R.T. -0.012 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

Tgt Ion:178 Resp: 399436
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.6 13.0 19.6





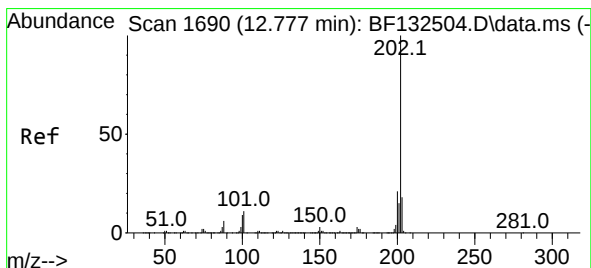
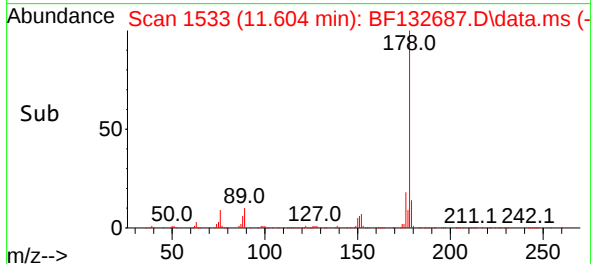
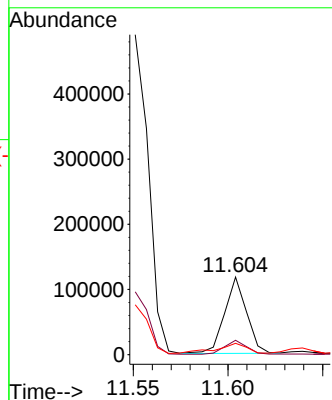
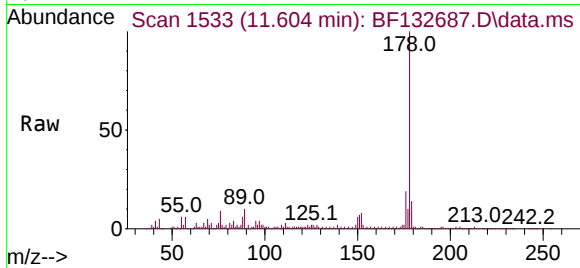
#72
 Anthracene
 Concen: 3.336 ng
 RT: 11.604 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132687.D
 Acq: 07 Mar 2023 20:10

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-030623

Tgt Ion:178 Resp: 94611
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 14.5 12.5 18.7

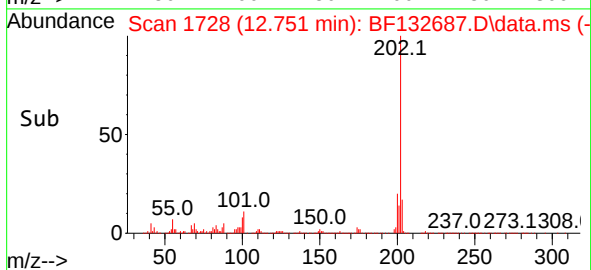
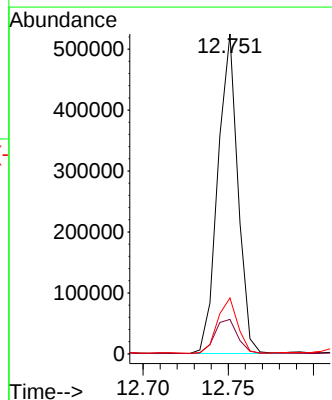
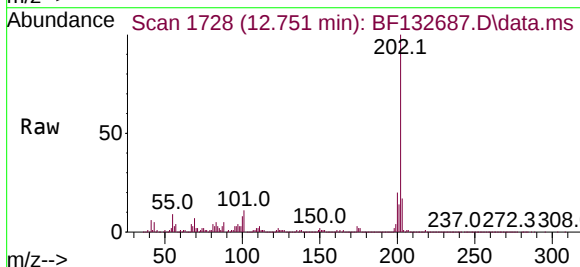
Manual Integrations
 APPROVED

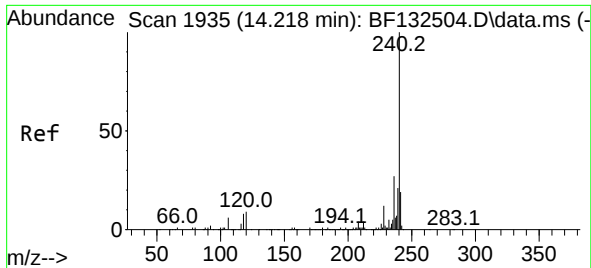
Reviewed By :Christian Giraldo 03/08/2023
 Supervised By :Jagrut Upadhyay 03/08/2023



#75
 Fluoranthene
 Concen: 14.212 ng
 RT: 12.751 min Scan# 1728
 Delta R.T. -0.006 min
 Lab File: BF132687.D
 Acq: 07 Mar 2023 20:10

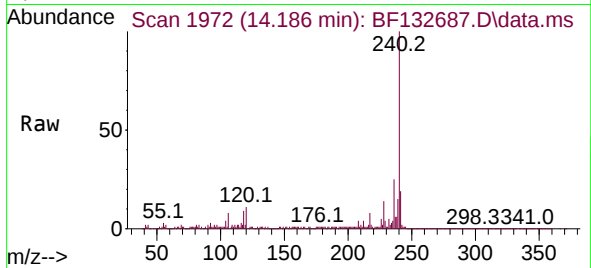
Tgt Ion:202 Resp: 427892
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.4
 203 17.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.186 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

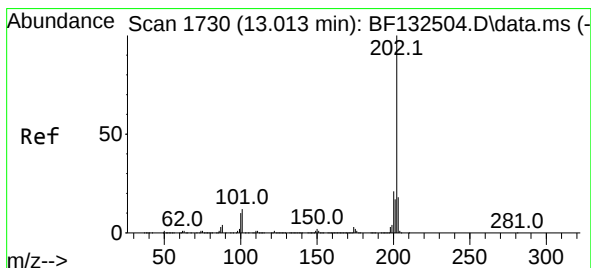
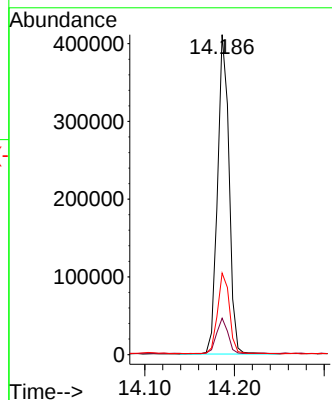
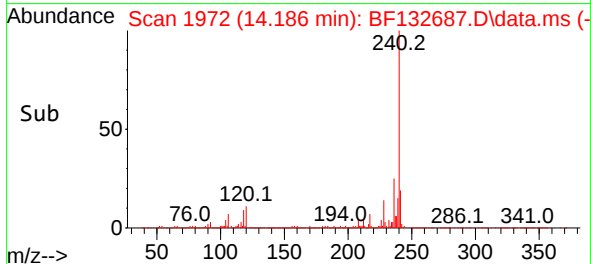
Instrument :
BNA_F
ClientSampleId :
EO-03-030623



Tgt Ion:240 Resp: 365726
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8
236 25.5 21.8 32.6

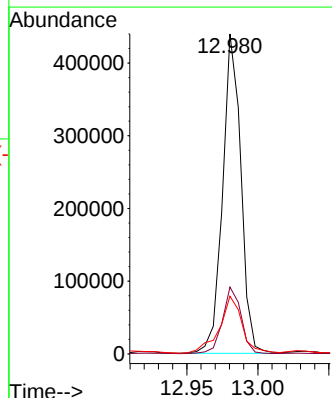
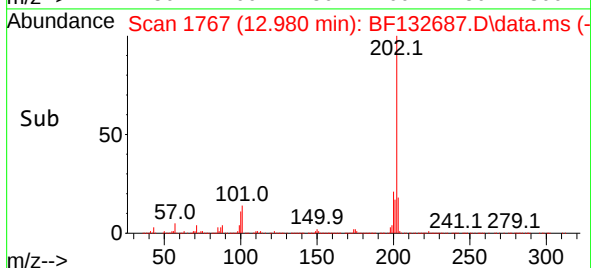
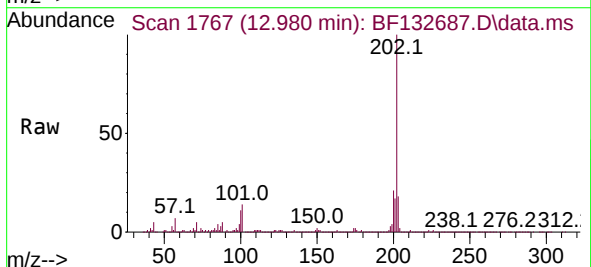
Manual Integrations
APPROVED

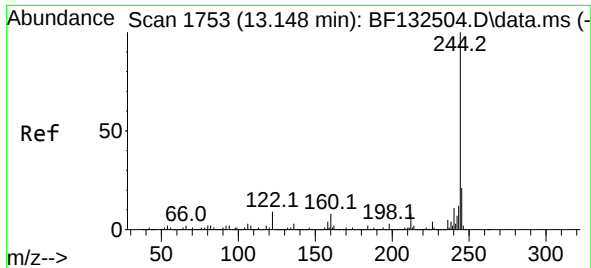
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023



#78
Pyrene
Concen: 11.825 ng
RT: 12.980 min Scan# 1767
Delta R.T. -0.012 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

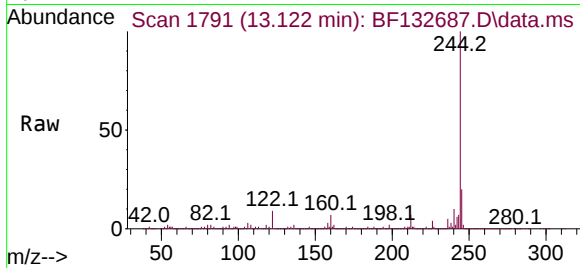
Tgt Ion:202 Resp: 393178
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 18.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 52.948 ng
 RT: 13.122 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132687.D
 Acq: 07 Mar 2023 20:10

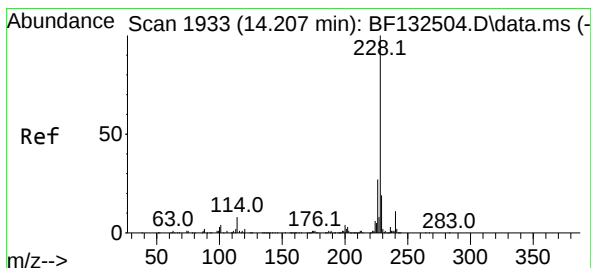
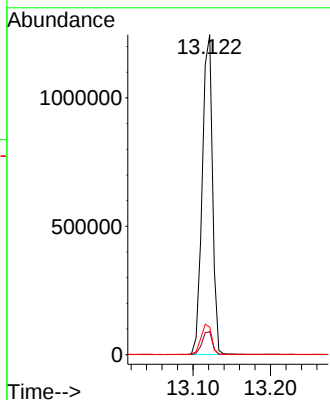
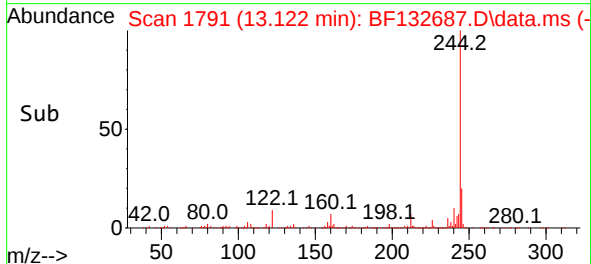
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-030623



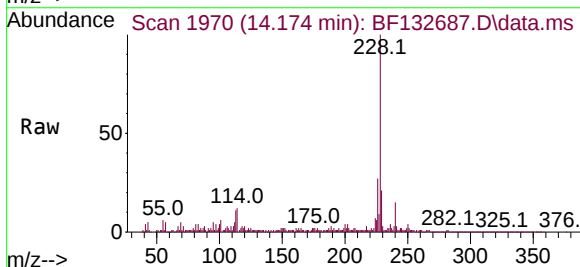
Tgt Ion:244 Resp: 1145312
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 8.6 7.5 11.3

Manual Integrations
 APPROVED

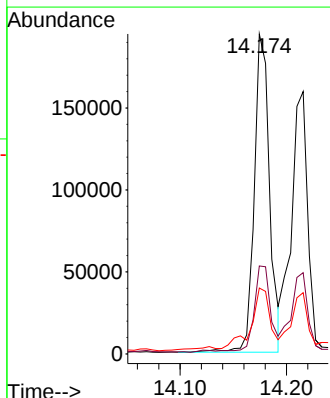
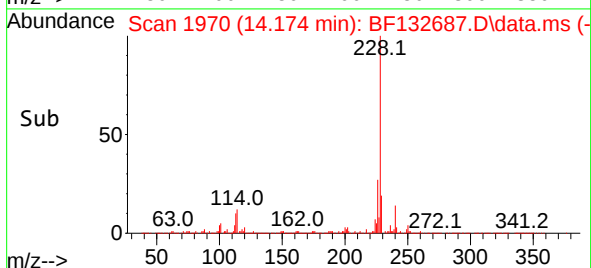
Reviewed By :Christian Giraldo 03/08/2023
 Supervised By :Jagrut Upadhyay 03/08/2023

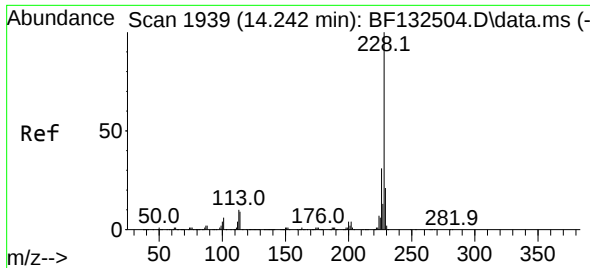


#81
 Benzo(a)anthracene
 Concen: 7.100 ng
 RT: 14.174 min Scan# 1970
 Delta R.T. -0.012 min
 Lab File: BF132687.D
 Acq: 07 Mar 2023 20:10



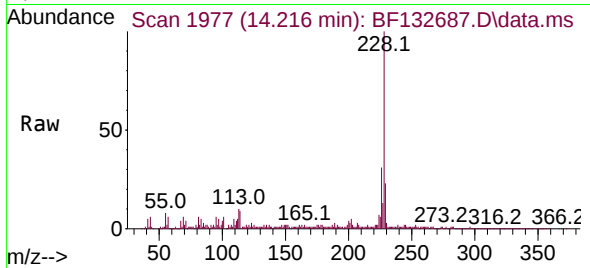
Tgt Ion:228 Resp: 194295
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.7 32.5
 229 20.6 15.4 23.2





#83
Chrysene
Concen: 6.732 ng
RT: 14.216 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10

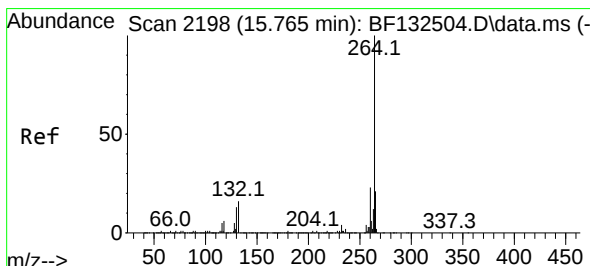
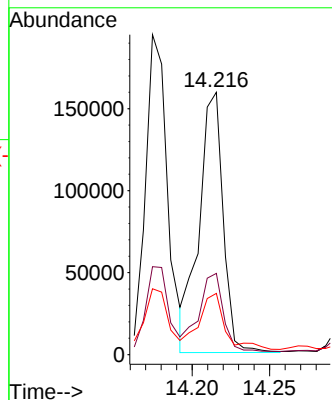
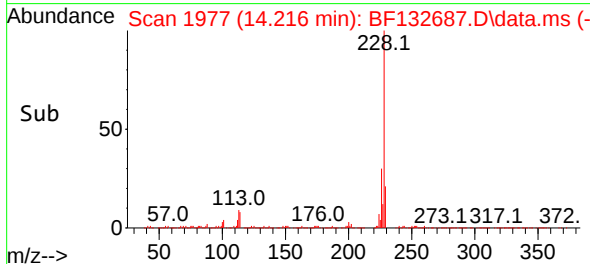
Instrument :
BNA_F
ClientSampleId :
EO-03-030623



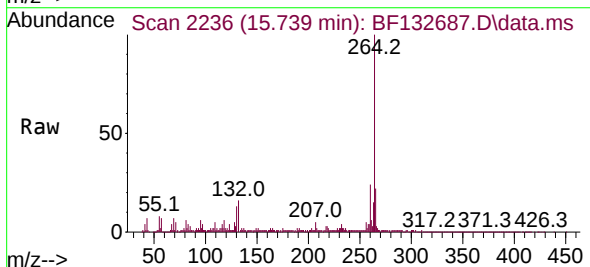
Tgt Ion:228 Resp: 172258
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 23.3 16.4 24.6

Manual Integrations
APPROVED

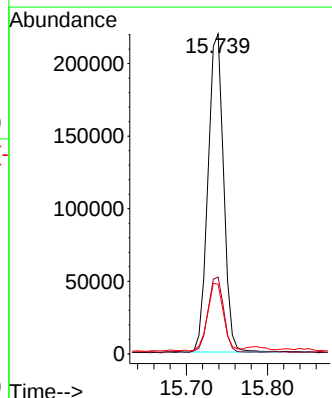
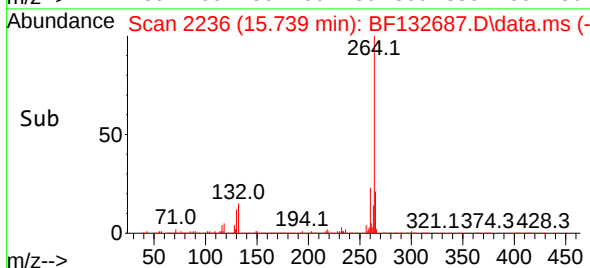
Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

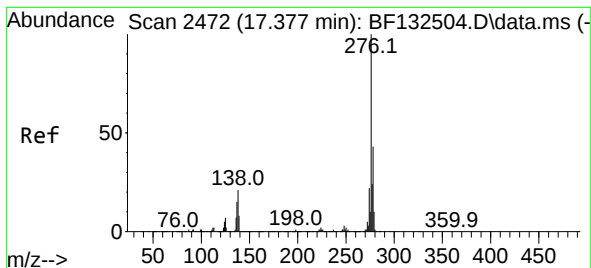


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.739 min Scan# 2236
Delta R.T. -0.000 min
Lab File: BF132687.D
Acq: 07 Mar 2023 20:10



Tgt Ion:264 Resp: 293748
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.936 ng

RT: 17.321 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF132687.D

Acq: 07 Mar 2023 20:10

Instrument :

BNA_F

ClientSampleId :

EO-03-030623

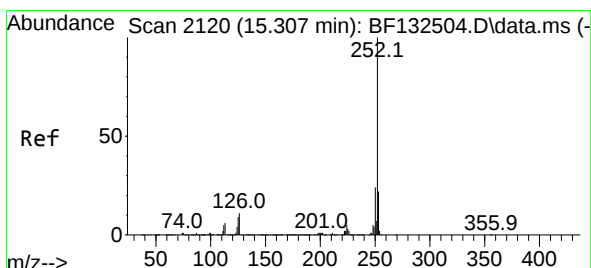
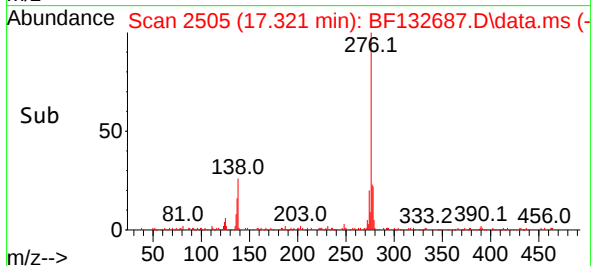
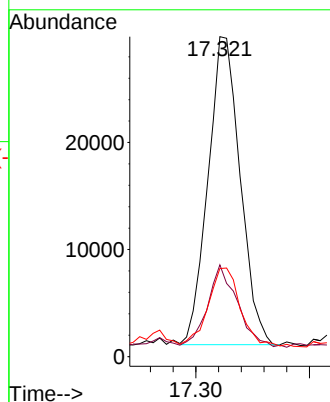
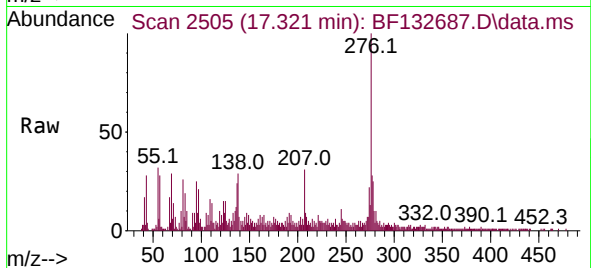
Tgt Ion:	276	Resp:	56508
Ion Ratio	Lower	Upper	
276	100		
138	24.9	19.0	28.4
277	26.0	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#88

Benzo(b)fluoranthene

Concen: 9.137 ng m

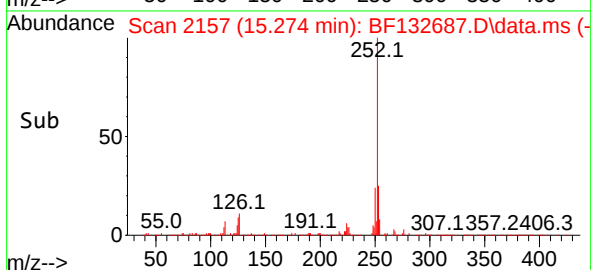
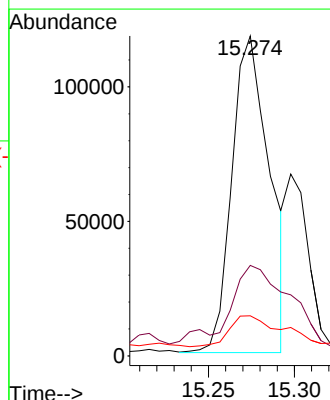
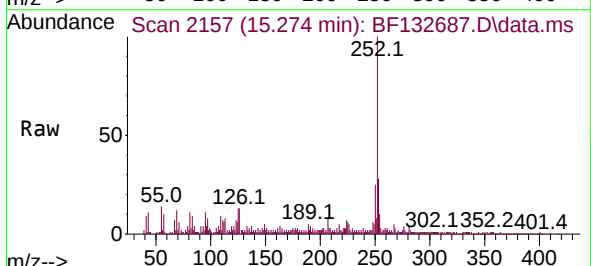
RT: 15.274 min Scan# 2157

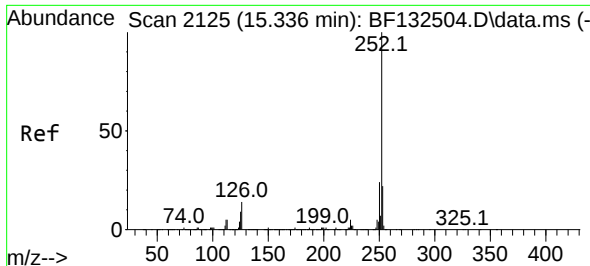
Delta R.T. -0.006 min

Lab File: BF132687.D

Acq: 07 Mar 2023 20:10

Tgt Ion:	252	Resp:	179868
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.4	26.0#
125	12.5	7.0	10.6#





#89

Benzo(k)fluoranthene

Concen: 3.144 ng m

RT: 15.298 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF132687.D

Acq: 07 Mar 2023 20:10

Instrument :

BNA_F

ClientSampleId :

EO-03-030623

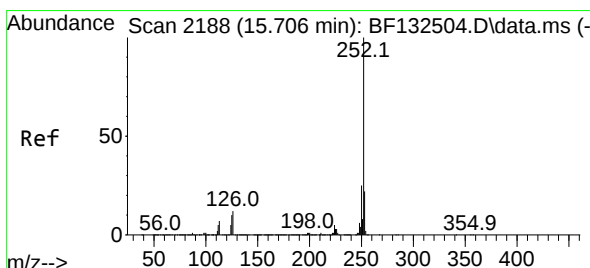
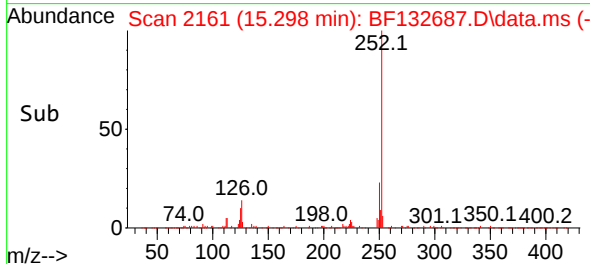
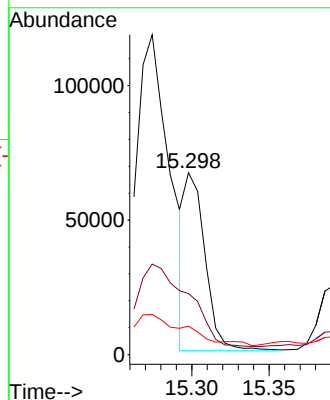
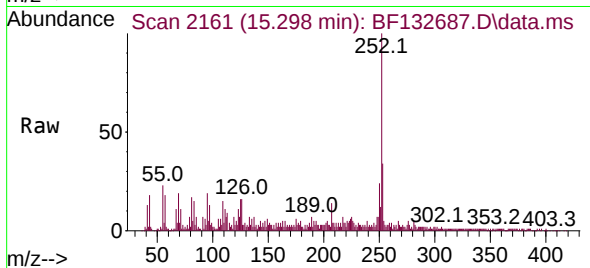
Tgt Ion:252 Resp: 60575
 Ion Ratio Lower Upper
 252 100
 253 33.6 17.5 26.3
 125 15.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#90

Benzo(a)pyrene

Concen: 6.629 ng

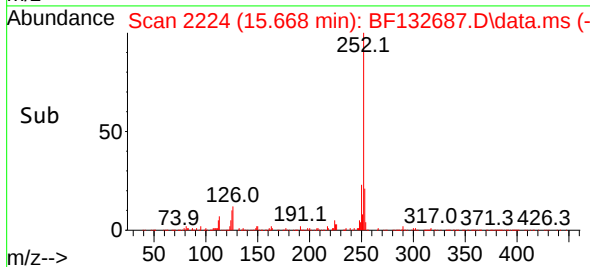
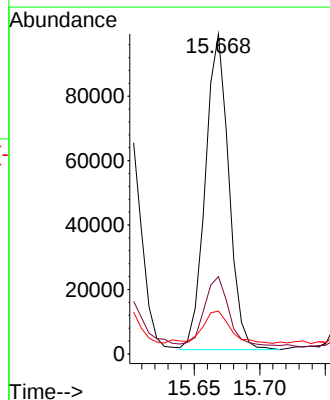
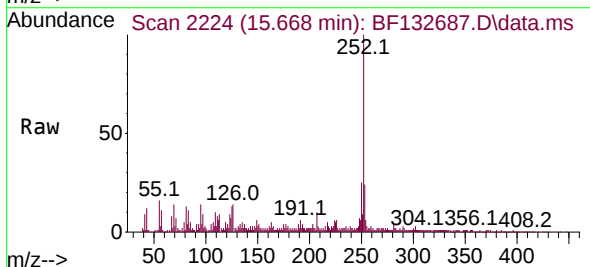
RT: 15.668 min Scan# 2224

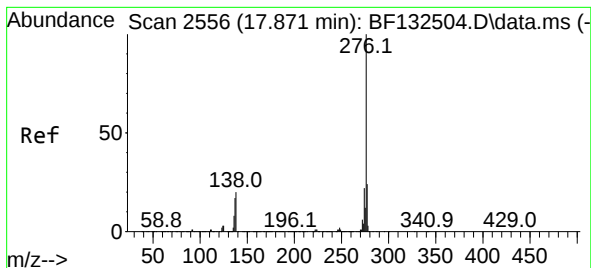
Delta R.T. -0.006 min

Lab File: BF132687.D

Acq: 07 Mar 2023 20:10

Tgt Ion:252 Resp: 122142
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.2 25.8
 125 13.4 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 4.619 ng

RT: 17.809 min Scan# 2556

Delta R.T. -0.024 min

Lab File: BF132687.D

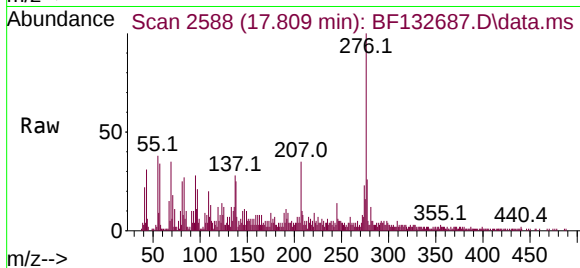
Acq: 07 Mar 2023 20:10

Instrument :

BNA_F

ClientSampleId :

EO-03-030623



Tgt Ion:276 Resp: 5511

Ion Ratio Lower Upper

276 100

277 25.7 18.9 28.3

138 25.1 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023

