

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
 Data File : BF131912.D
 Acq On : 04 Jan 2023 22:28
 Operator : CG\JU
 Sample : 01008-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-1-010323

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/05/2023
 Supervised By : Jagrut Upadhyay 01/05/2023

Quant Time: Jan 05 05:46:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	68660	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	228936	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	105462	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	169055	20.000	ng	0.00
76) Chrysene-d12	14.016	240	150583	20.000	ng	0.00
86) Perylene-d12	15.498	264	127896	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	245184	59.179	ng	0.00
7) Phenol-d6	6.446	99	306011	56.218	ng	0.00
23) Nitrobenzene-d5	7.381	82	207854	36.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	50498	44.070	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	278002	36.107	ng	-0.01
79) Terphenyl-d14	12.951	244	228567	25.675	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.816	142	22098	2.626	ng	96
38) 1-Methylnaphthalene	8.916	142	16924	2.071	ng	96
58) Fluorene	10.416	166	17300	2.291	ng	93
71) Phenanthrene	11.380	178	182345	19.614	ng	99
72) Anthracene	11.433	178	49942	5.492	ng	98
73) Carbazole	11.592	167	23753	2.959	ng	97
75) Fluoranthene	12.580	202	244922	22.618	ng	99
78) Pyrene	12.810	202	212964	16.873	ng	99
81) Benzo(a)anthracene	14.004	228	91070	8.353	ng	98
83) Chrysene	14.039	228	83173	8.118	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	23646	2.910	ng	# 95
88) Benzo(b)fluoranthene	15.063	252	77097m	8.221	ng	
89) Benzo(k)fluoranthene	15.086	252	25458m	2.810	ng	
90) Benzo(a)pyrene	15.433	252	55511	7.646	ng	# 87
92) Benzo(g,h,i)perylene	17.433	276	22564	7.800	ng	# 84

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

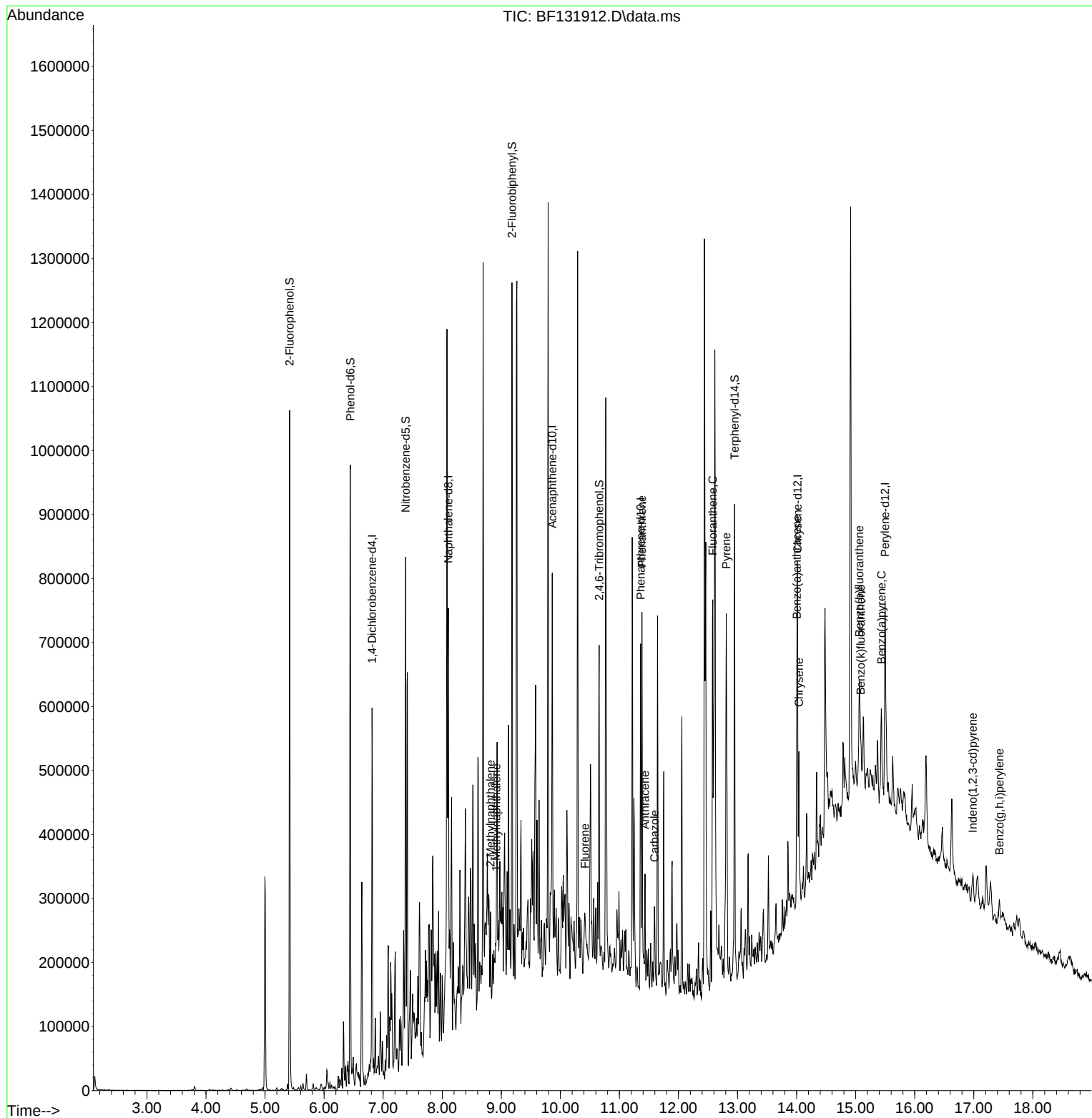
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
Data File : BF131912.D
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ALS Vial : 20 Sample Multiplier: 1

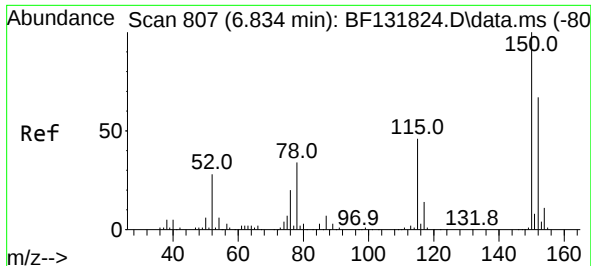
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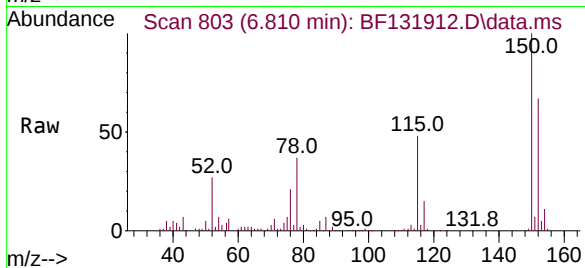
Quant Time: Jan 05 05:46:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 30 02:06:40 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

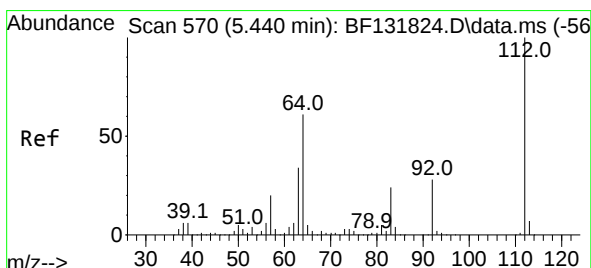
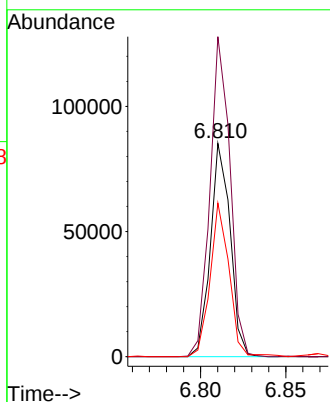
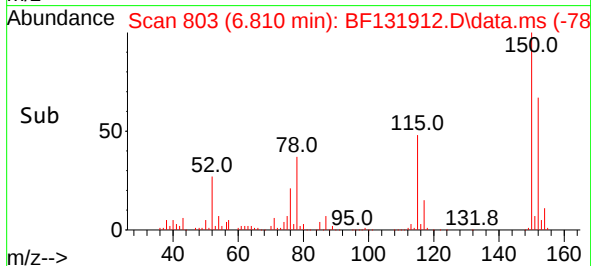
Instrument :
BNA_F
ClientSampleId :
EO-1-010323



Tgt Ion:152 Resp: 68660
Ion Ratio Lower Upper
152 100
150 150.0 120.0 180.0
115 72.0 55.1 82.7

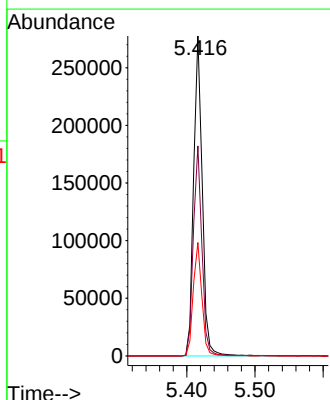
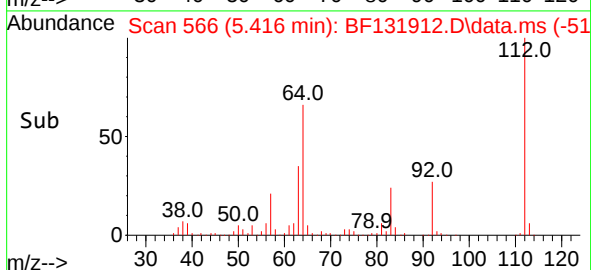
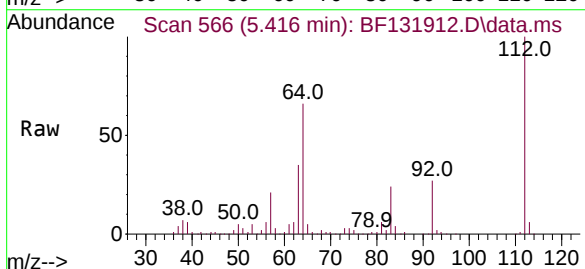
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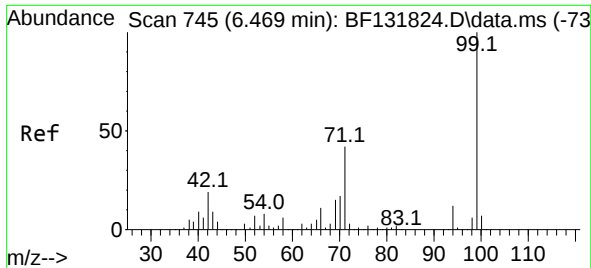
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#5
2-Fluorophenol
Concen: 59.179 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

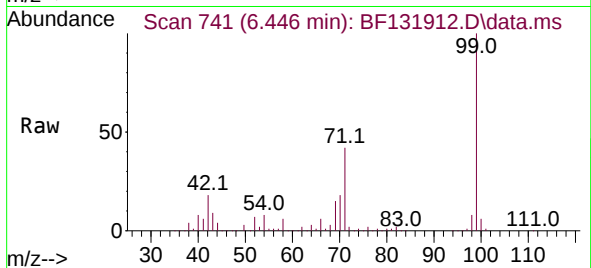
Tgt Ion:112 Resp: 245184
Ion Ratio Lower Upper
112 100
64 65.6 49.2 73.8
63 35.4 27.5 41.3





#7
Phenol-d6
Concen: 56.218 ng
RT: 6.446 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

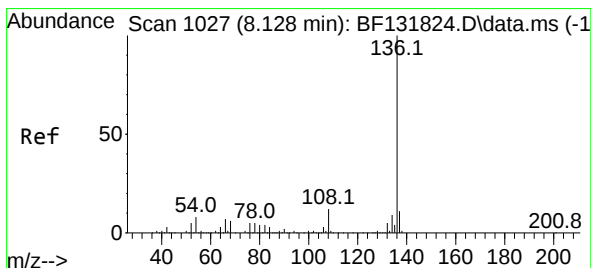
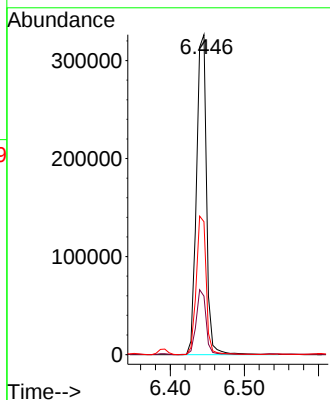
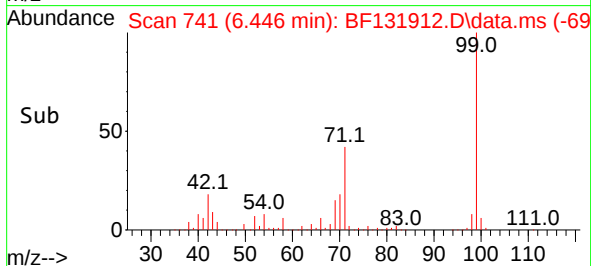
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 306011
Ion Ratio Lower Upper
99 100
42 18.3 15.3 22.9
71 41.5 33.5 50.3

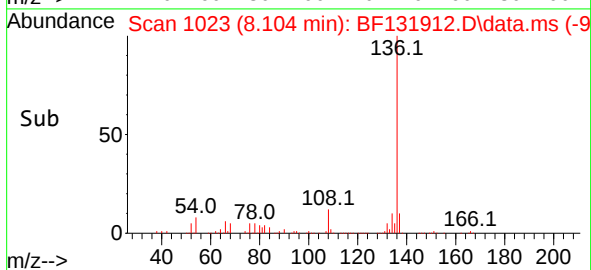
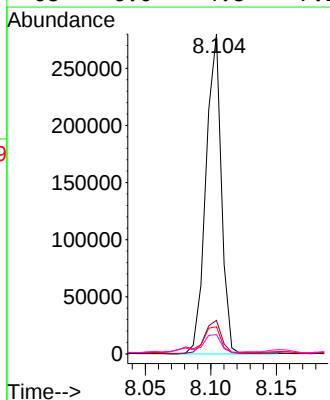
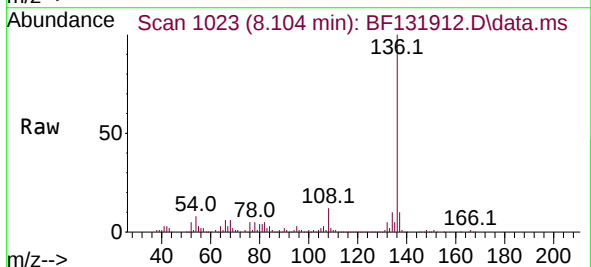
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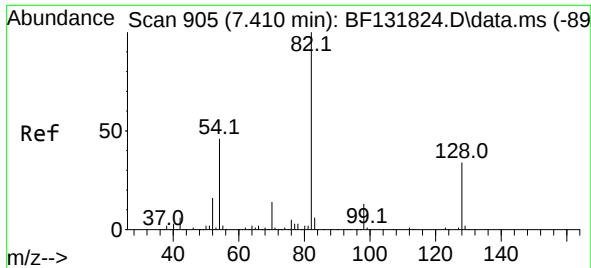
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

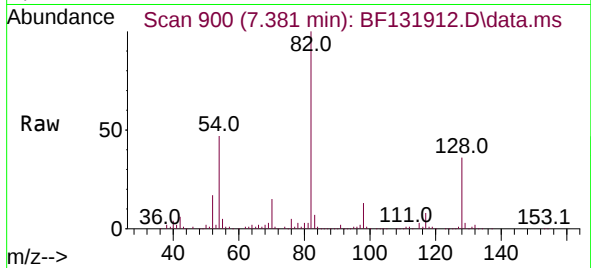
Tgt Ion:136 Resp: 228936
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.5 6.7 10.1
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 36.249 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

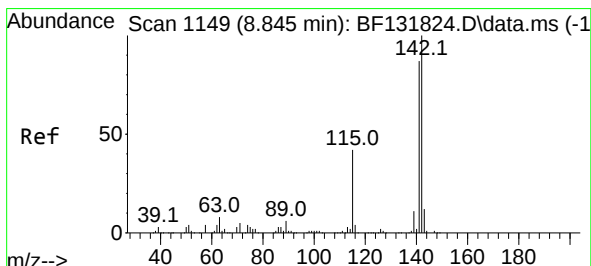
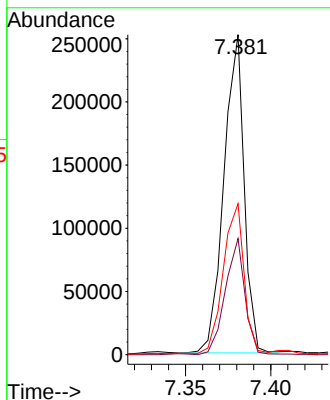
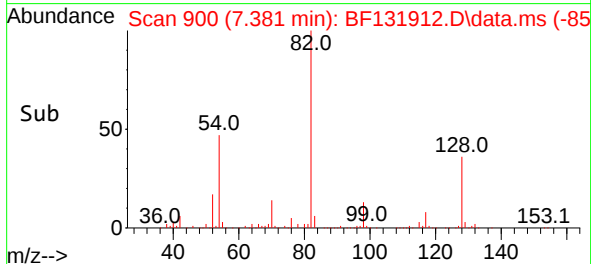
Instrument :
BNA_F
ClientSampleId :
EO-1-010323



Tgt Ion: 82 Resp: 207854
Ion Ratio Lower Upper
82 100
128 36.3 27.1 40.7
54 47.2 37.0 55.6

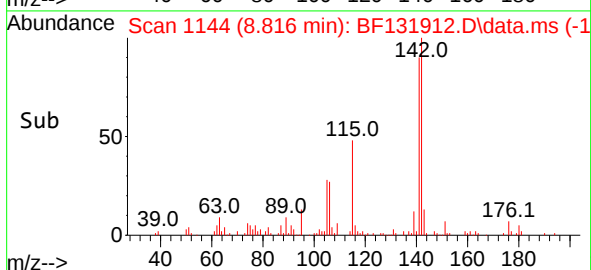
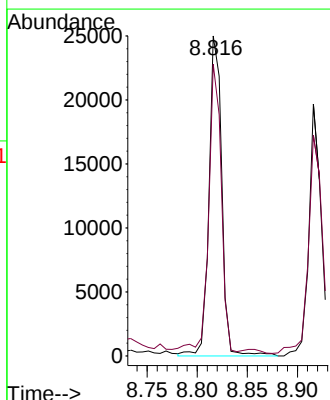
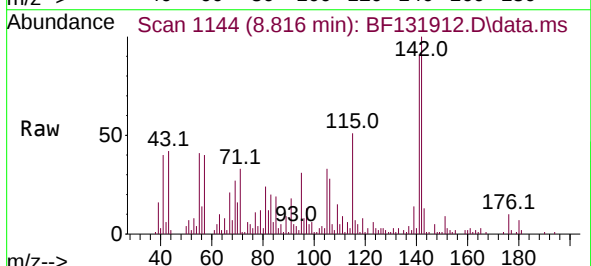
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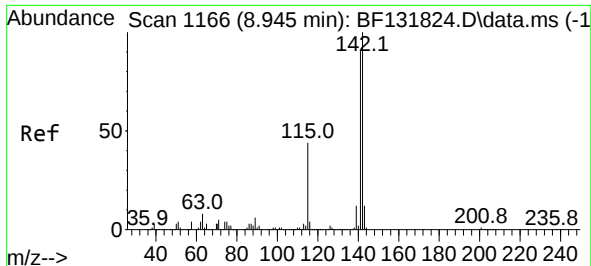
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#37
2-Methylnaphthalene
Concen: 2.626 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Tgt Ion:142 Resp: 22098
Ion Ratio Lower Upper
142 100
141 91.1 69.8 104.8





#38

1-Methylnaphthalene

Concen: 2.071 ng

RT: 8.916 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

Tgt Ion:142 Resp: 16924

Ion Ratio Lower Upper

142 100

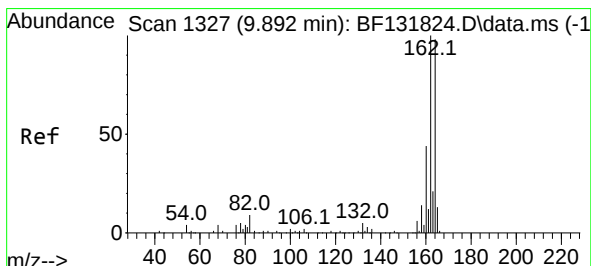
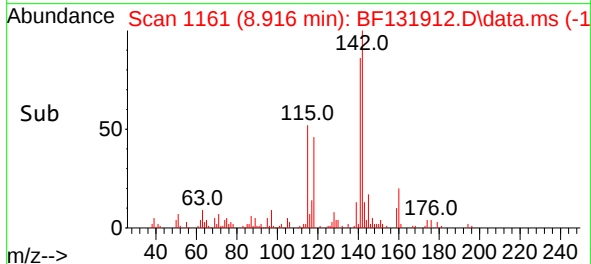
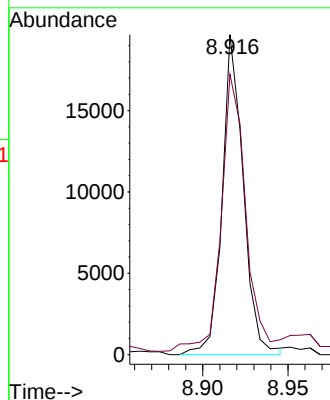
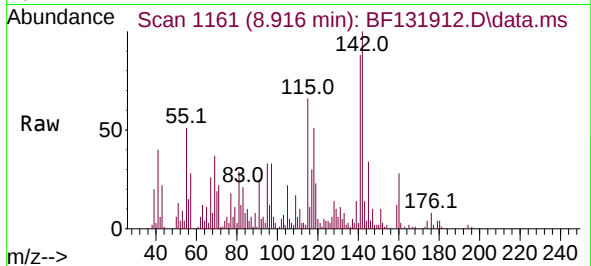
141 87.6 73.0 109.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/05/2023

Supervised By :Jagrut Upadhyay 01/05/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

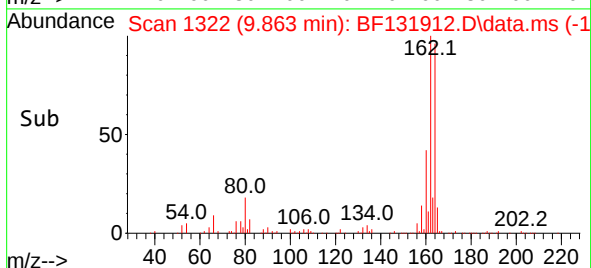
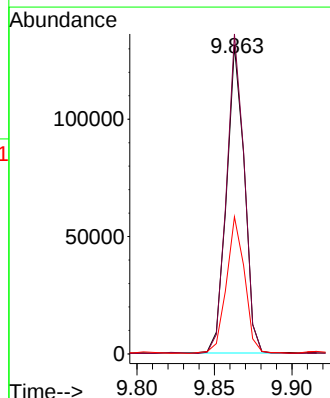
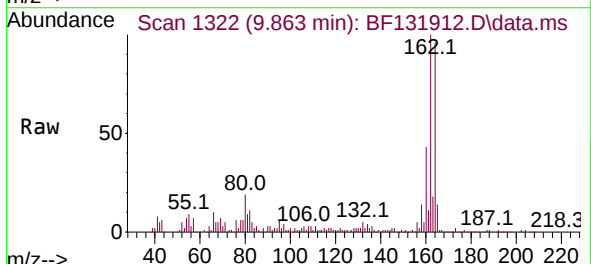
Tgt Ion:164 Resp: 105462

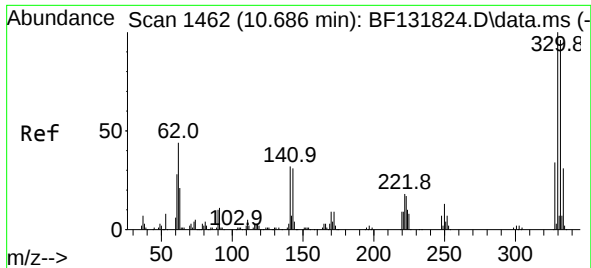
Ion Ratio Lower Upper

164 100

162 103.8 81.8 122.6

160 44.5 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 44.070 ng
RT: 10.657 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

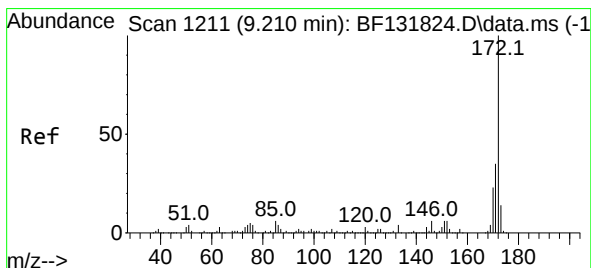
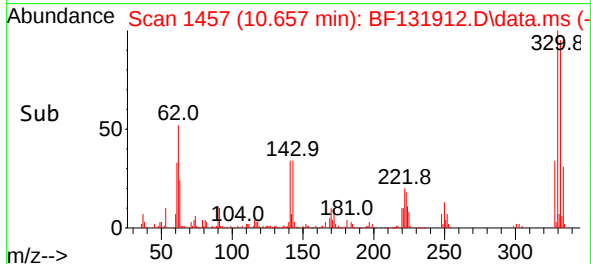
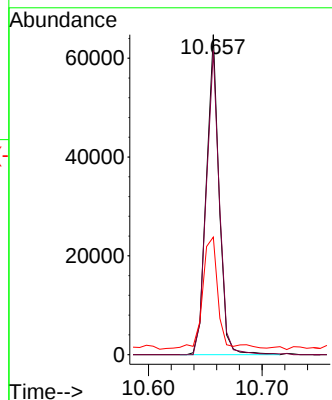
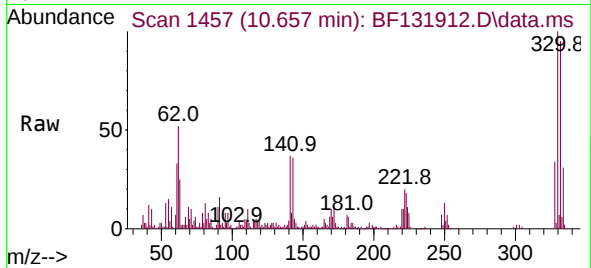
EO-1-010323

Tgt Ion: 330 Resp: 50498
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.4
141 40.0 31.0 46.4

Manual Integrations

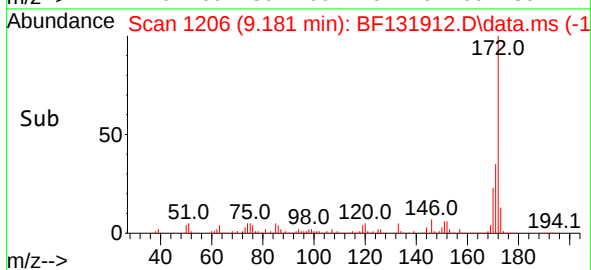
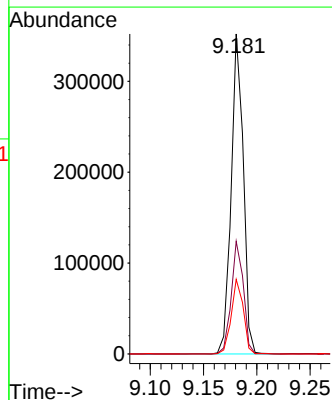
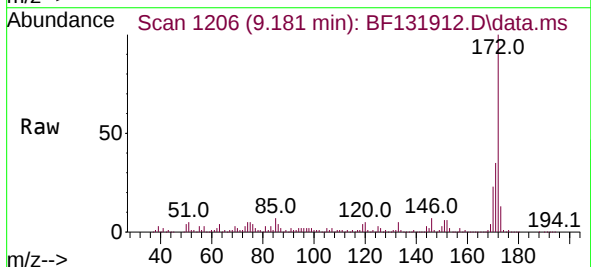
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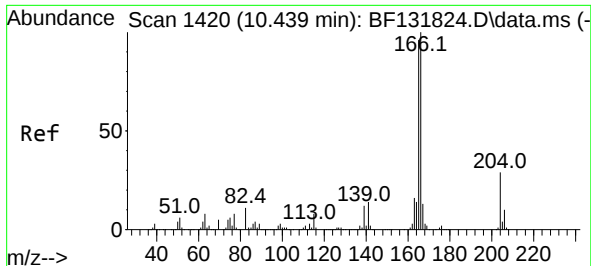
Reviewed By : Christian Giraldo 01/05/2023
Supervised By : Jagrut Upadhyay 01/05/2023



#45
2-Fluorobiphenyl
Concen: 36.107 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

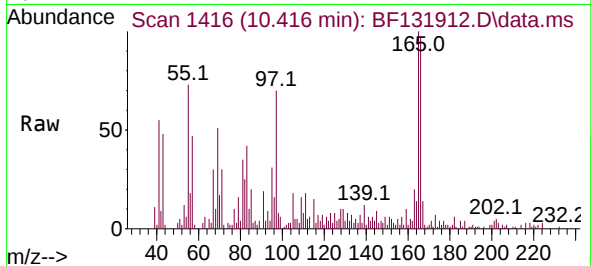
Tgt Ion: 172 Resp: 278002
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.3 18.7 28.1





#58
Fluorene
Concen: 2.291 ng
RT: 10.416 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

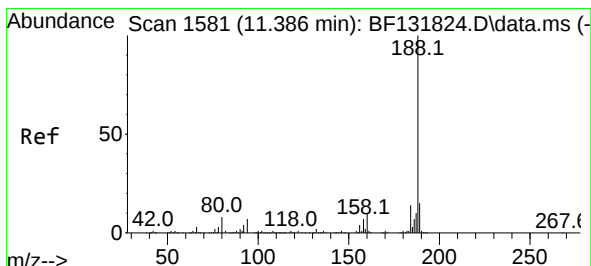
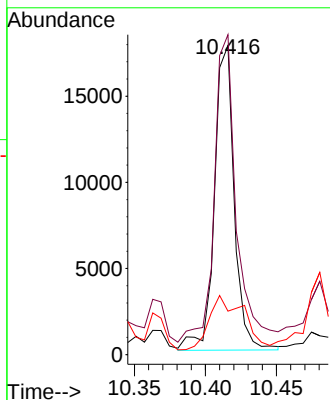
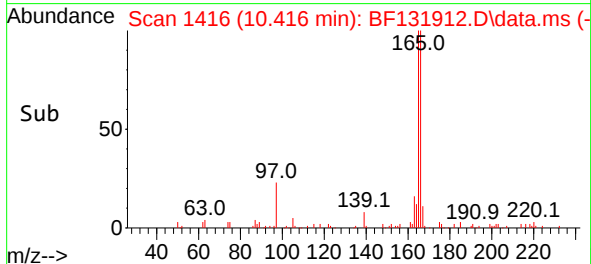
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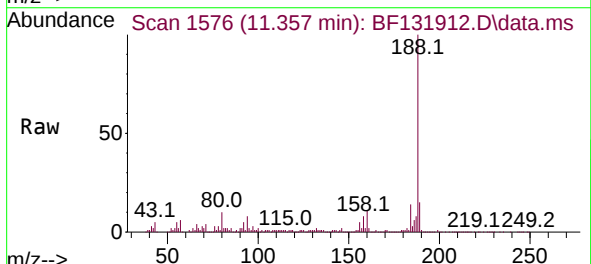
Tgt Ion:166 Resp: 17300
Ion Ratio Lower Upper
166 100
165 103.6 77.0 115.4
167 14.0 10.4 15.6

Manual Integrations
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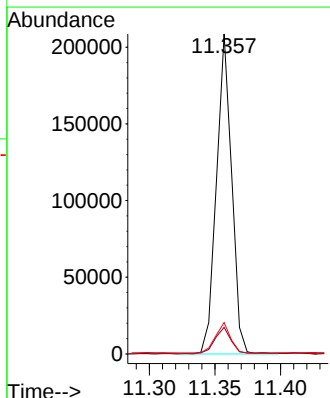
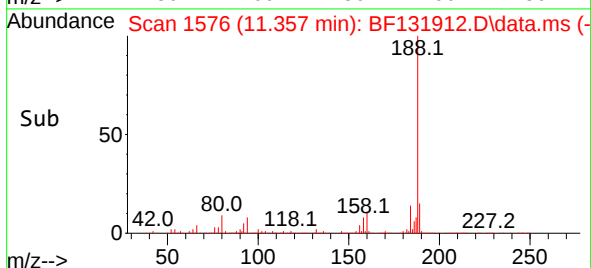
Reviewed By :Christian Giraldo 01/05/2023
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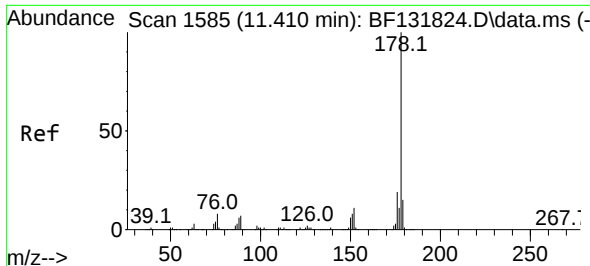


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28



Tgt Ion:188 Resp: 169055
Ion Ratio Lower Upper
188 100
94 8.3 5.8 8.6
80 9.8 6.7 10.1





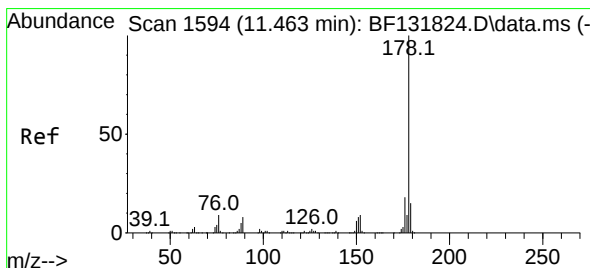
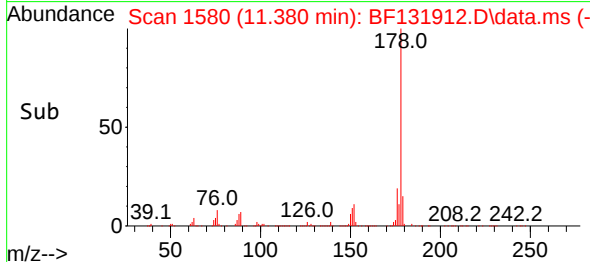
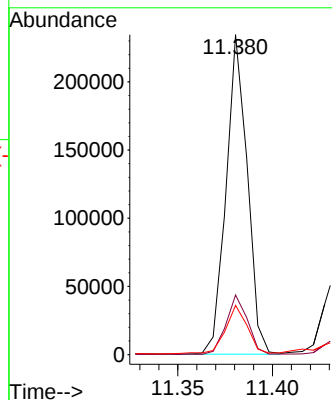
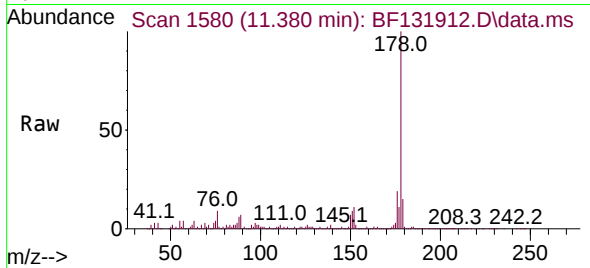
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Phenanthrene
Concen: 19.614 ng
RT: 11.380 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Instrument :
BNA_F
ClientSampleId :
EO-1-010323

Tgt Ion:178 Resp: 182345
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.4 12.2 18.4

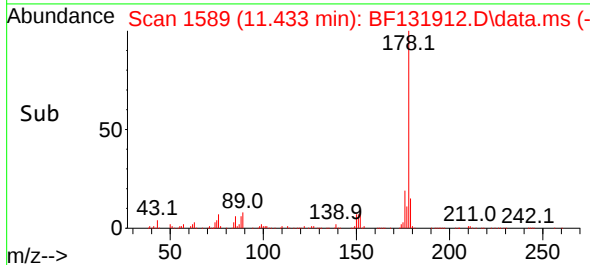
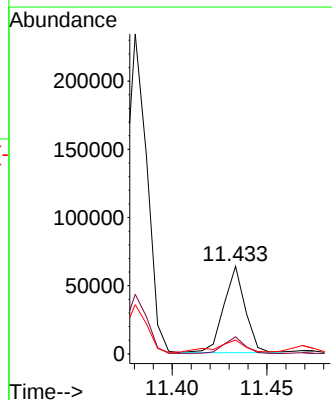
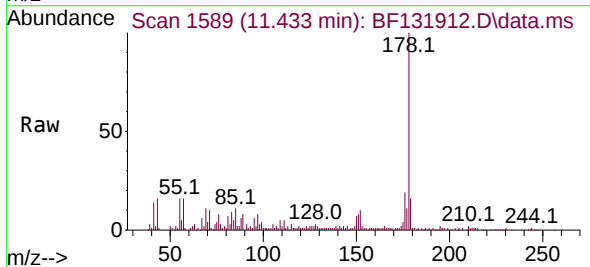
Manual Integrations
APPROVED

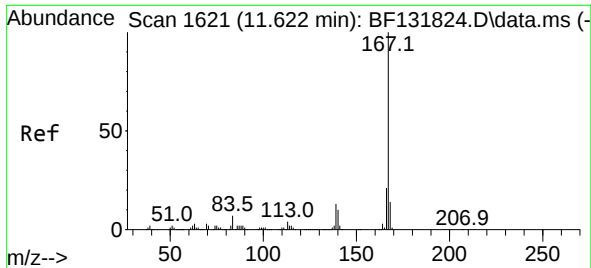
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#72
Anthracene
Concen: 5.492 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

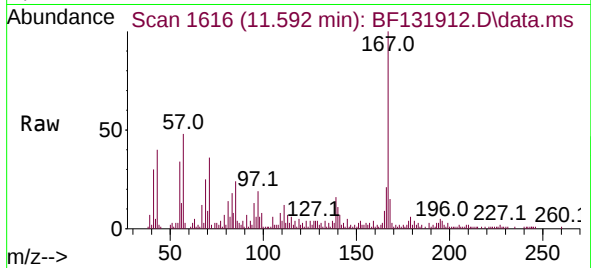
Tgt Ion:178 Resp: 49942
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 15.7 12.2 18.2





#73
 Carbazole
 Concen: 2.959 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

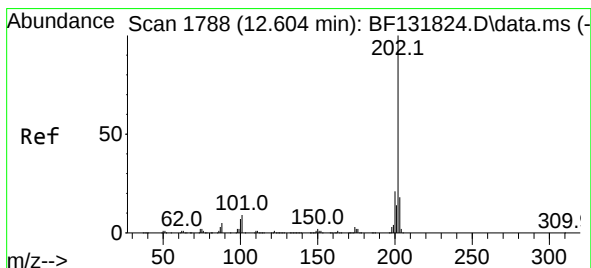
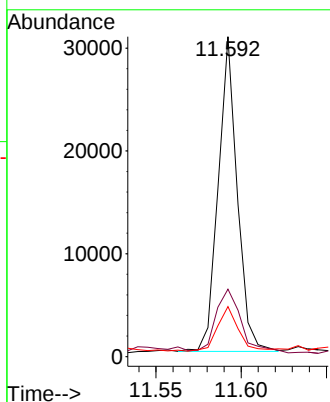
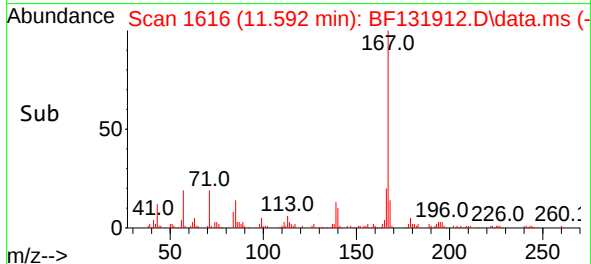
Instrument :
 BNA_F
 ClientSampleId :
 EO-1-010323



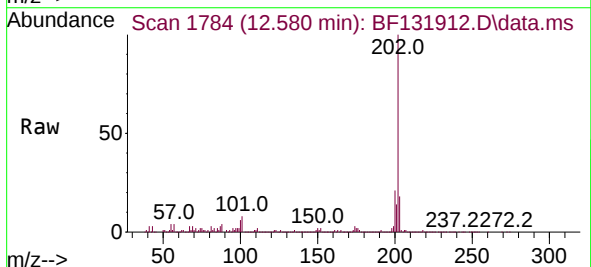
Tgt Ion:167 Resp: 23753
 Ion Ratio Lower Upper
 167 100
 166 21.1 16.6 24.8
 139 15.6 10.6 15.8

Manual Integrations
 APPROVED

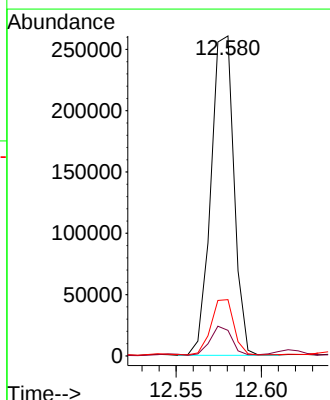
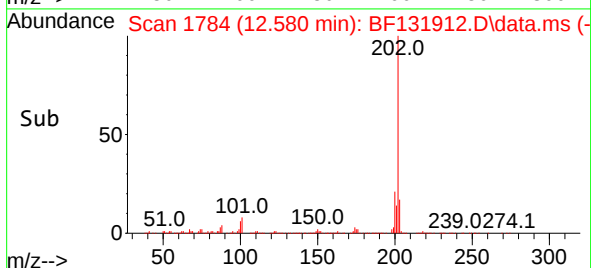
Reviewed By :Christian Giraldo 01/05/2023
 Supervised By :Jagrut Upadhyay 01/05/2023

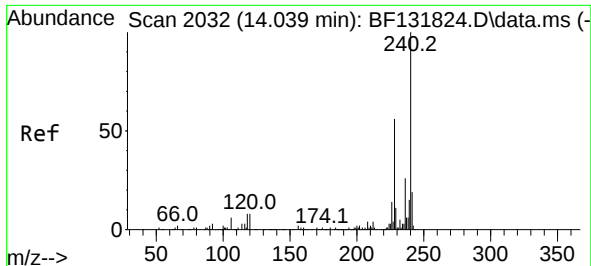


#75
 Fluoranthene
 Concen: 22.618 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28



Tgt Ion:202 Resp: 244922
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 28.6
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

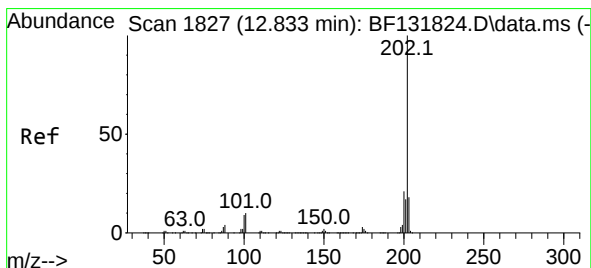
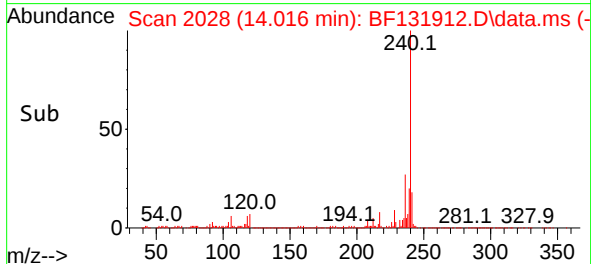
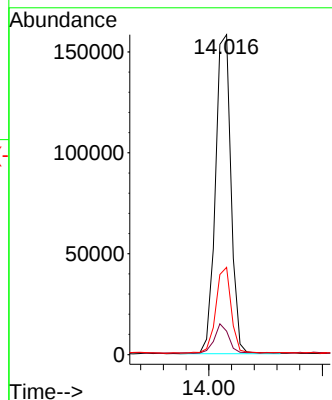
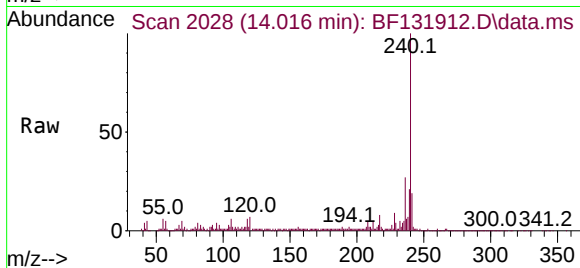
EO-1-010323

Tgt Ion:240 Resp: 150583
Ion Ratio Lower Upper
240 100
120 7.3 6.7 10.1
236 27.3 20.6 31.0

Manual Integrations

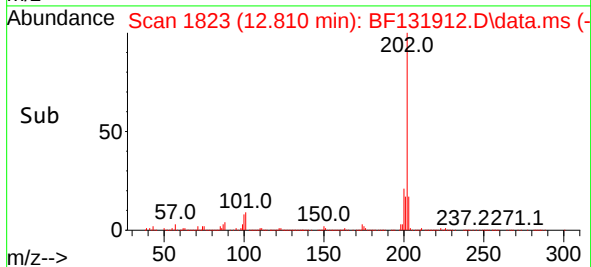
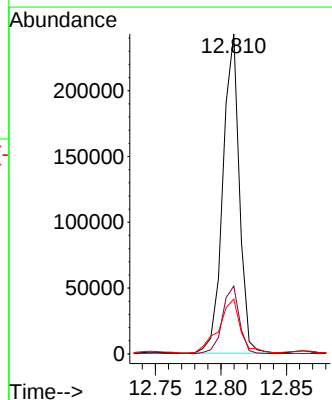
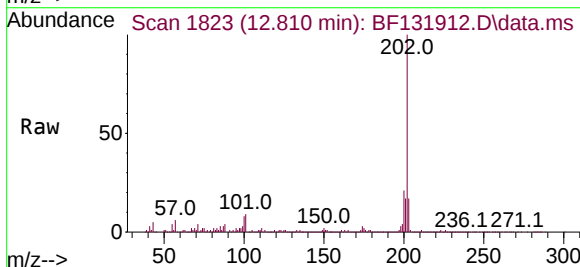
APPROVED

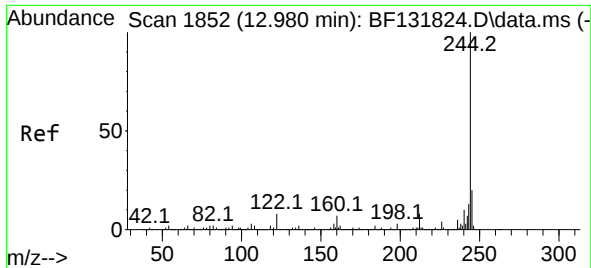
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#78
Pyrene
Concen: 16.873 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

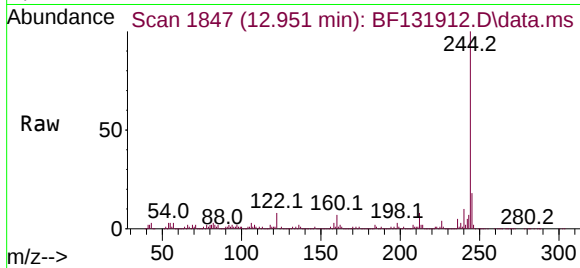
Tgt Ion:202 Resp: 212964
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.1 14.4 21.6





#79
 Terphenyl-d14
 Concen: 25.675 ng
 RT: 12.951 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

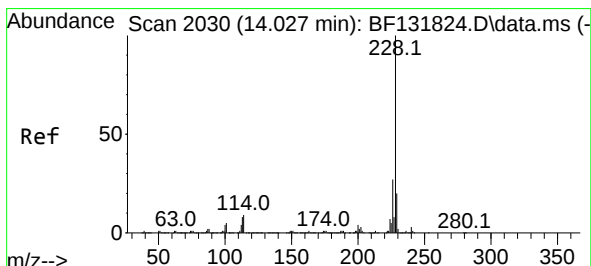
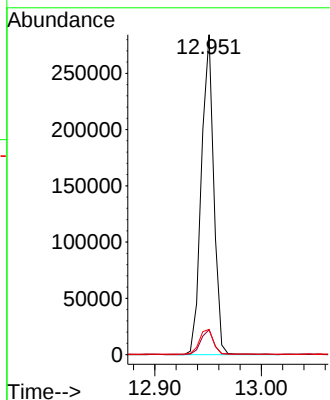
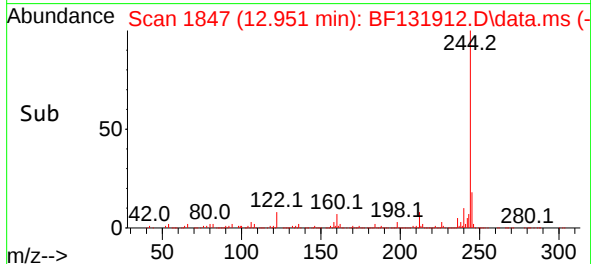
Instrument :
 BNA_F
 ClientSampleId :
 EO-1-010323



Tgt Ion:244 Resp: 228562
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 7.9 6.4 9.6

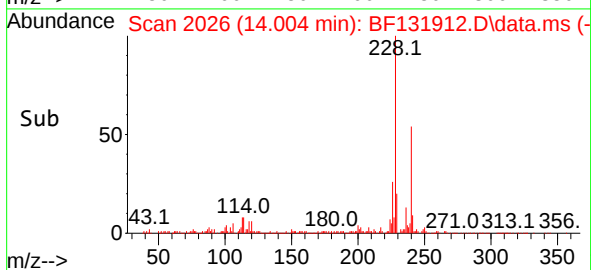
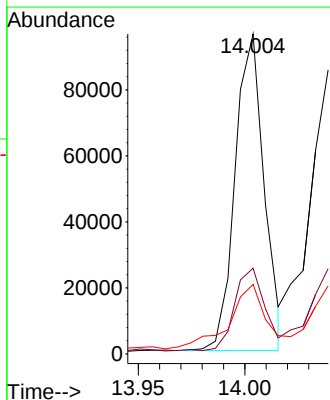
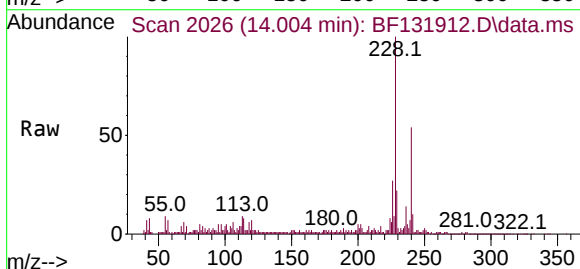
Manual Integrations
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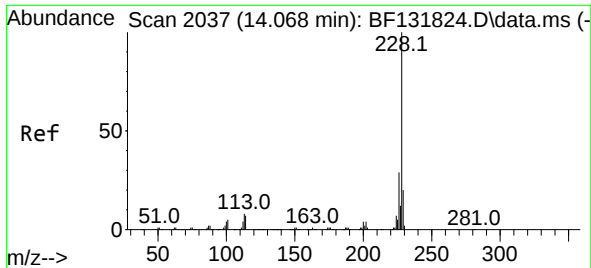
Reviewed By :Christian Giraldo 01/05/2023
 Supervised By :Jagrut Upadhyay 01/05/2023



#81
 Benzo(a)anthracene
 Concen: 8.353 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF131912.D
 Acq: 04 Jan 2023 22:28

Tgt Ion:228 Resp: 91070
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.0 33.0
 229 21.7 16.0 24.0





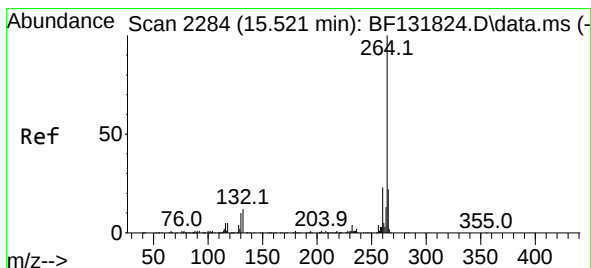
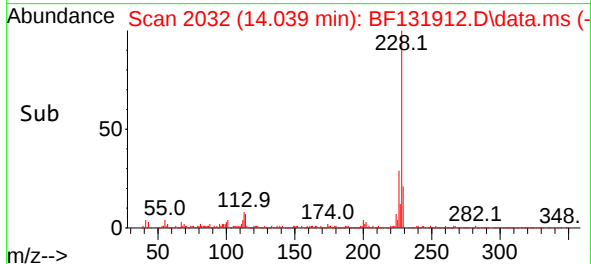
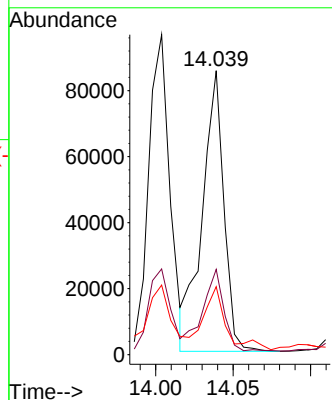
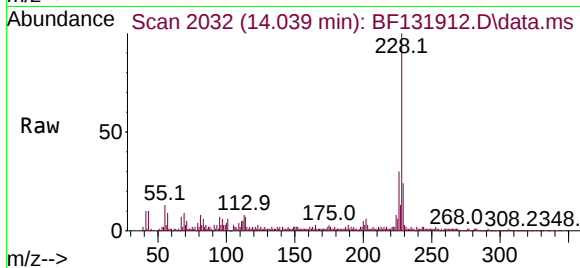
#83
Chrysene
Concen: 8.118 ng
RT: 14.039 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Instrument :
BNA_F
ClientSampleId :
EO-1-010323

Tgt Ion:228 Resp: 83173
Ion Ratio Lower Upper
228 100
226 30.0 23.5 35.3
229 23.9 16.2 24.2

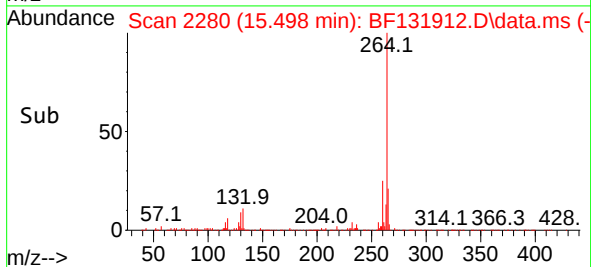
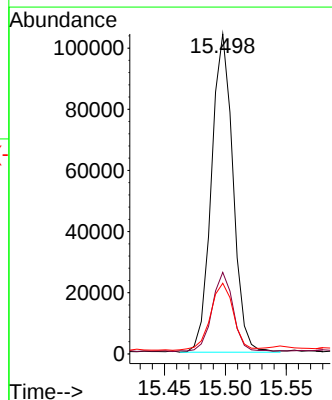
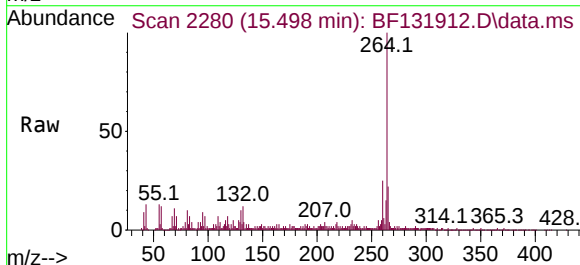
Manual Integrations
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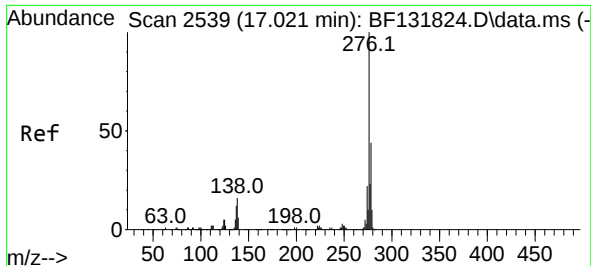
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

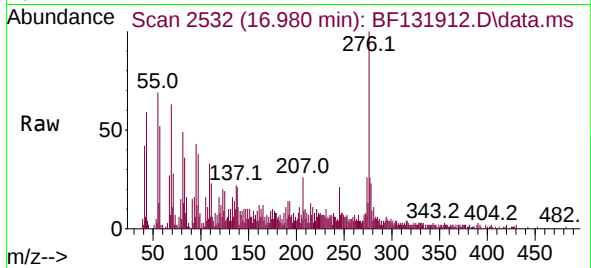
Tgt Ion:264 Resp: 127896
Ion Ratio Lower Upper
264 100
260 25.5 18.6 28.0
265 22.1 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.910 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

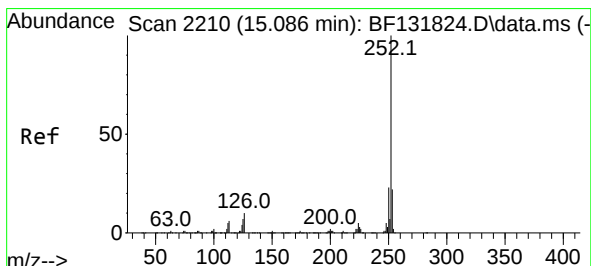
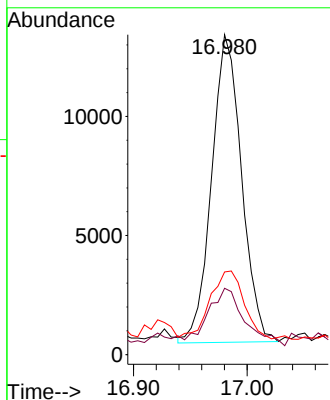
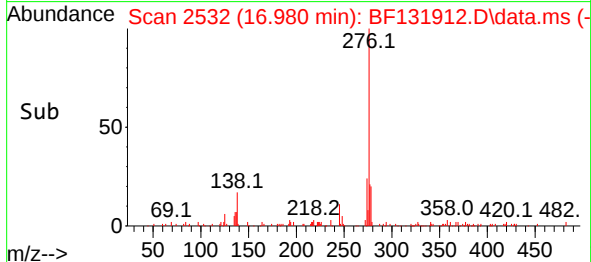
Instrument :
BNA_F
ClientSampleId :
EO-1-010323



Tgt Ion:276 Resp: 23646
Ion Ratio Lower Upper
276 100
138 22.7 14.5 21.7
277 24.5 19.7 29.5

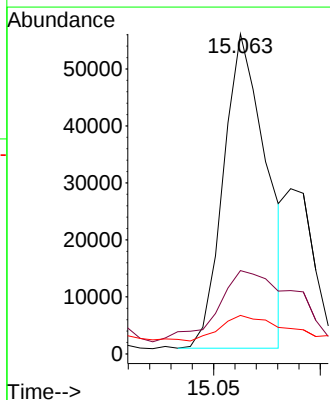
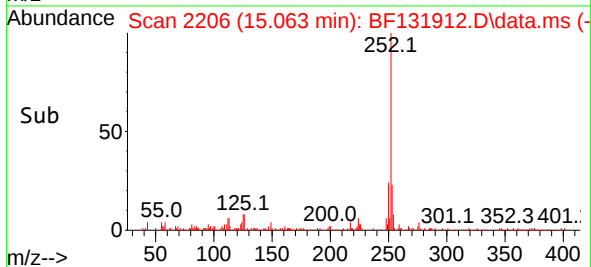
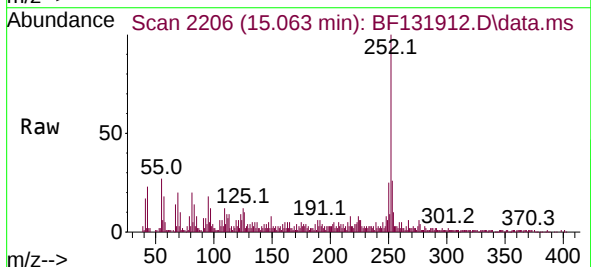
Manual Integrations
APPROVED

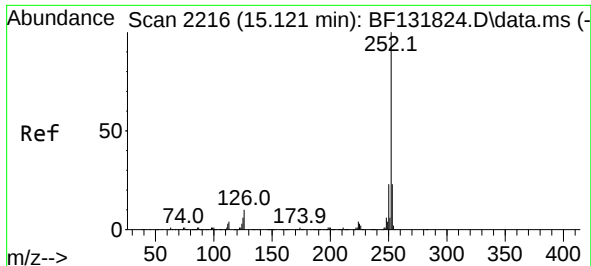
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#88
Benzo(b)fluoranthene
Concen: 8.221 ng m
RT: 15.063 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BF131912.D
Acq: 04 Jan 2023 22:28

Tgt Ion:252 Resp: 77097
Ion Ratio Lower Upper
252 100
253 26.0 17.6 26.4
125 12.0 5.8 8.8





#89

Benzo(k)fluoranthene

Concen: 2.810 ng m

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323

Tgt Ion:252 Resp: 25458

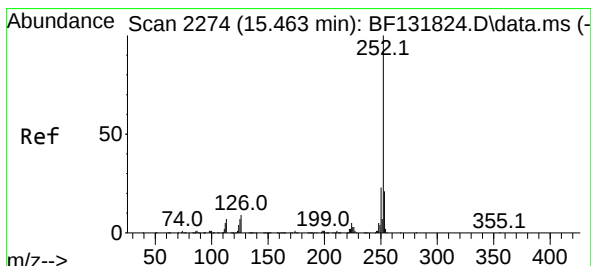
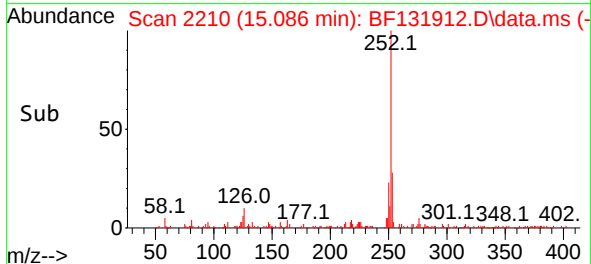
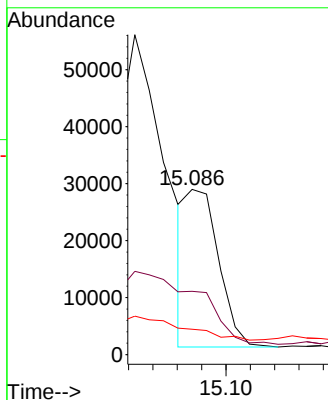
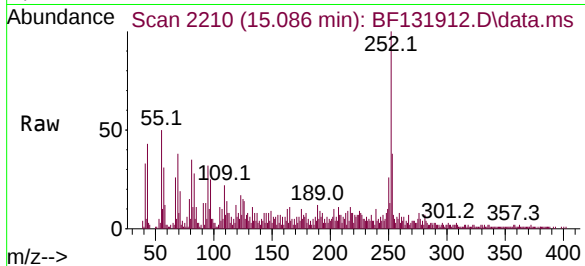
Ion	Ratio	Lower	Upper
252	100		
253	38.4	17.7	26.5
125	15.3	5.4	8.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/05/2023

Supervised By :Jagrut Upadhyay 01/05/2023



#90

Benzo(a)pyrene

Concen: 7.646 ng

RT: 15.433 min Scan# 2269

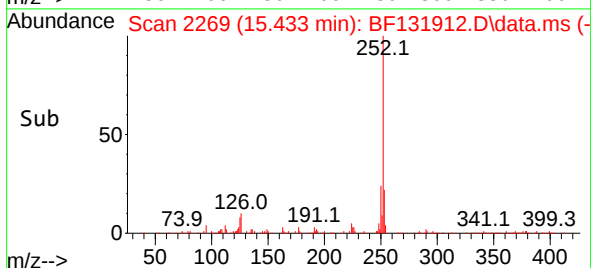
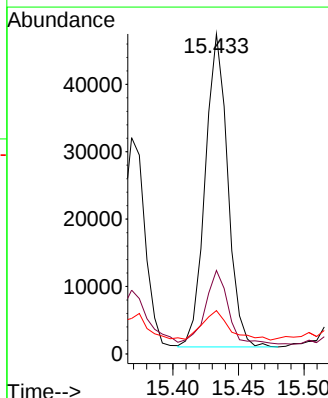
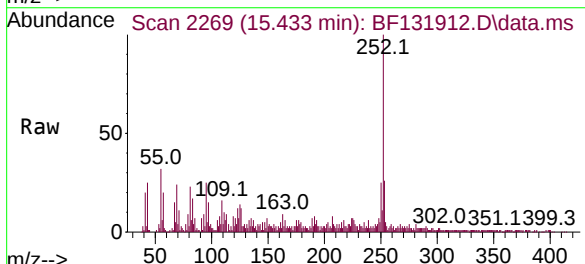
Delta R.T. -0.000 min

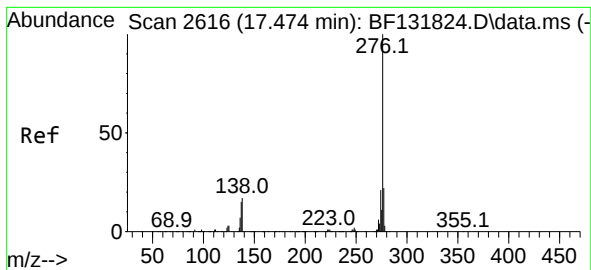
Lab File: BF131912.D

Acq: 04 Jan 2023 22:28

Tgt Ion:252 Resp: 55511

Ion	Ratio	Lower	Upper
252	100		
253	26.1	16.6	24.8
125	13.5	5.8	8.8





#92

Benzo(g,h,i)perylene

Concen: 7.800 ng

RT: 17.433 min Scan# 2609

Delta R.T. 0.006 min

Lab File: BF131912.D

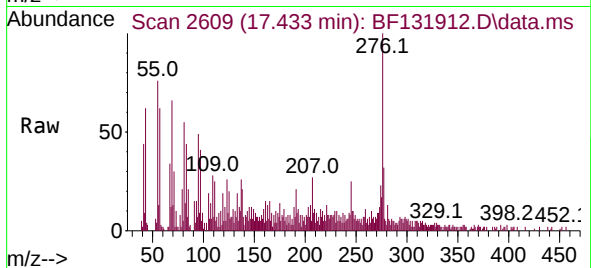
Acq: 04 Jan 2023 22:28

Instrument :

BNA_F

ClientSampleId :

EO-1-010323



Tgt Ion:276 Resp: 22564

Ion Ratio Lower Upper

276 100

277 32.0 17.9 26.9

138 21.3 13.7 20.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/05/2023

Supervised By :Jagrut Upadhyay 01/05/2023

