

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133425.D
 Acq On : 17 May 2023 21:25
 Operator : CG\JU
 Sample : 02811-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

Quant Time: May 18 04:06:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	219102	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	852132	20.000	ng	-0.01
39) Acenaphthene-d10	9.757	164	319952	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	202123	20.000	ng	# 0.02
76) Chrysene-d12	13.910	240	343691	20.000	ng	# 0.02
86) Perylene-d12	15.315	264	338625	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1370330	94.478	ng	0.00
7) Phenol-d6	6.363	99	1641150	91.161	ng	0.00
23) Nitrobenzene-d5	7.281	82	986738	62.503	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	232235	72.174	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	1664388	87.029	ng	-0.01
79) Terphenyl-d14	12.863	244	730329	36.648	ng	0.03
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	267397	24.614	ng	# 68
72) Anthracene	11.345	178	59520	5.354	ng	# 25
73) Carbazole	11.498	167	30283	3.059	ng	# 1
75) Fluoranthene	12.498	202	532134	48.807	ng	91
78) Pyrene	12.727	202	474954	16.121	ng	# 95
81) Benzo(a)anthracene	13.898	228	417762	17.676	ng	95
83) Chrysene	13.939	228	477518m	20.209	ng	
84) Bis(2-ethylhexyl)phtha...	13.886	149	50508	3.857	ng	# 80
87) Indeno(1,2,3-cd)pyrene	16.692	276	212963	11.056	ng	92
88) Benzo(b)fluoranthene	14.915	252	630149m	29.251	ng	
89) Benzo(k)fluoranthene	14.939	252	152739m	7.152	ng	
90) Benzo(a)pyrene	15.257	252	355704	18.140	ng	# 94
91) Dibenzo(a,h)anthracene	16.692	278	53581	3.335	ng	# 81
92) Benzo(g,h,i)perylene	17.104	276	201480	12.703	ng	98

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

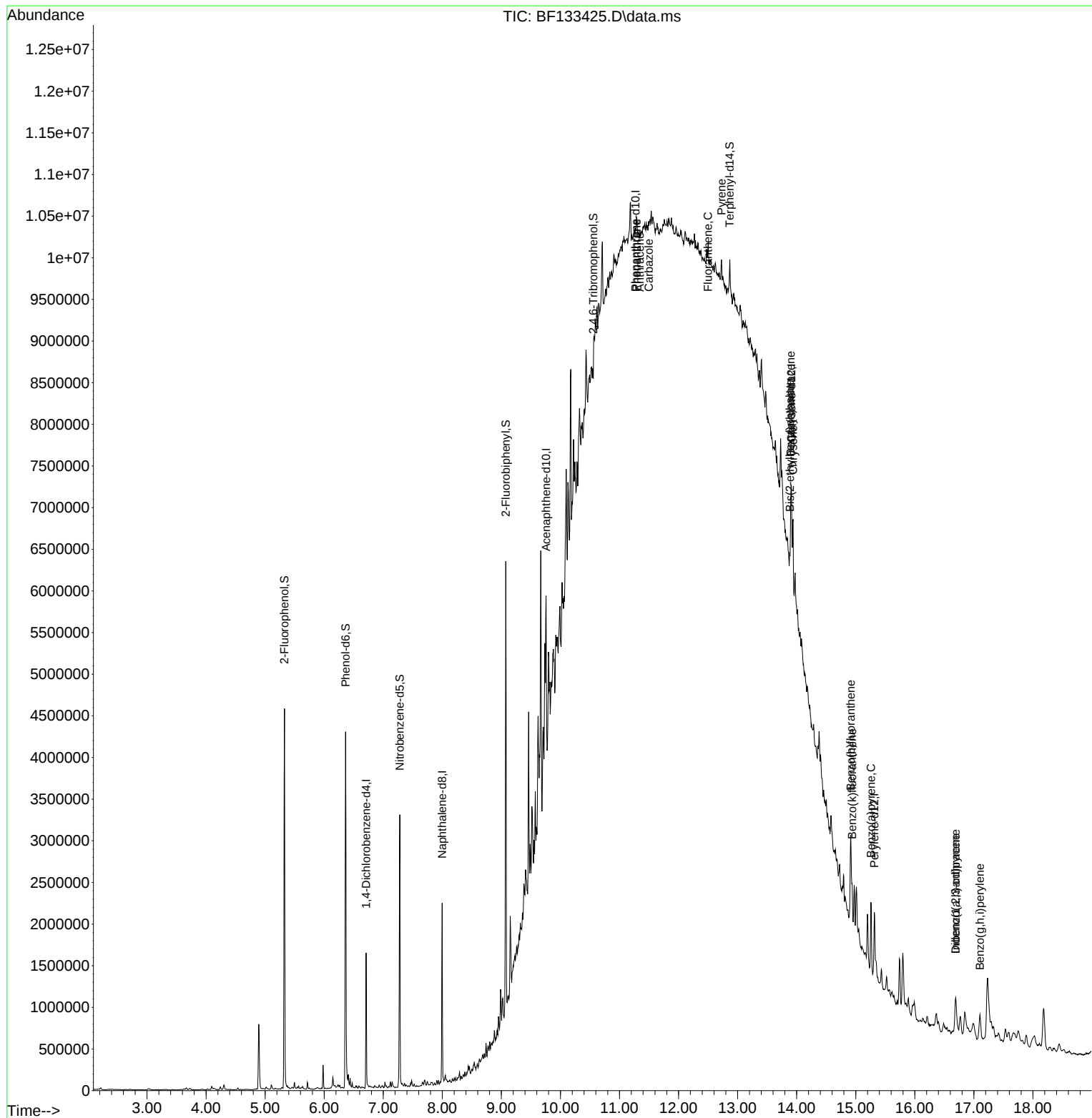
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
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APPROVED

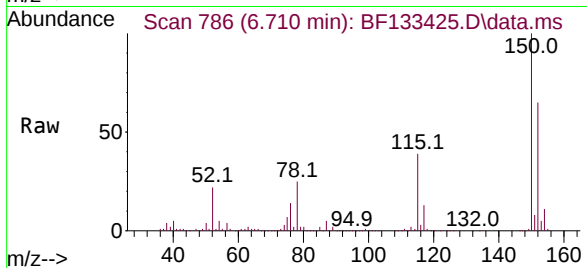
Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

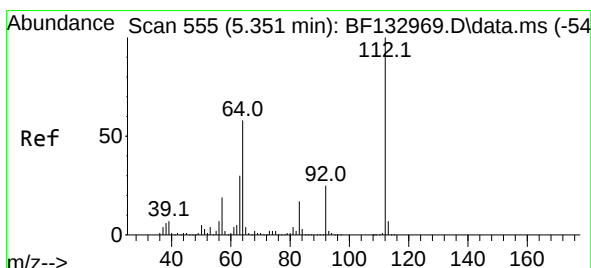
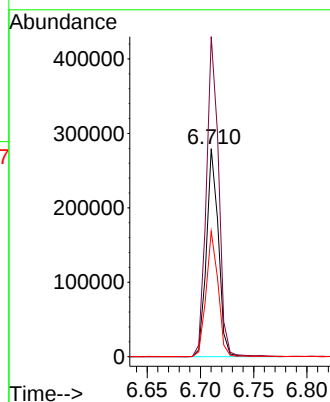
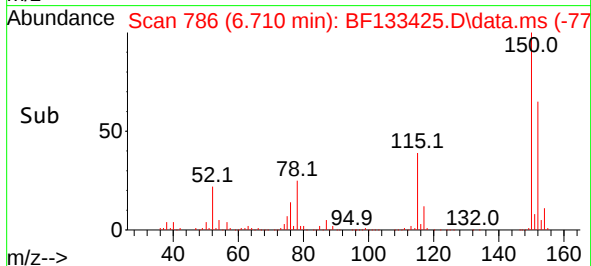
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:152 Resp: 21910
Ion Ratio Lower Upper
152 100
150 153.8 124.8 187.2
115 60.2 49.9 74.9

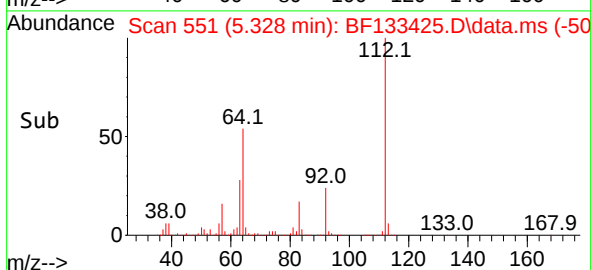
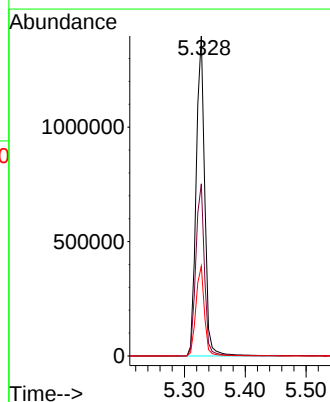
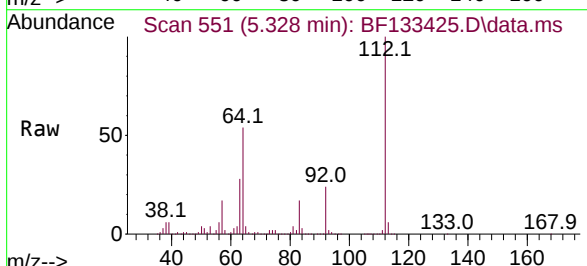
Manual Integrations
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Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#5
2-Fluorophenol
Concen: 94.478 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

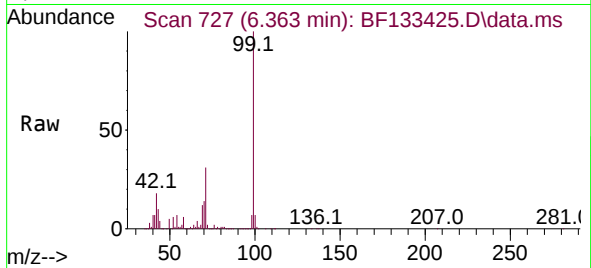
Tgt Ion:112 Resp: 1370330
Ion Ratio Lower Upper
112 100
64 53.8 46.8 70.2
63 28.1 23.8 35.8





#7
Phenol-d6
Concen: 91.161 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

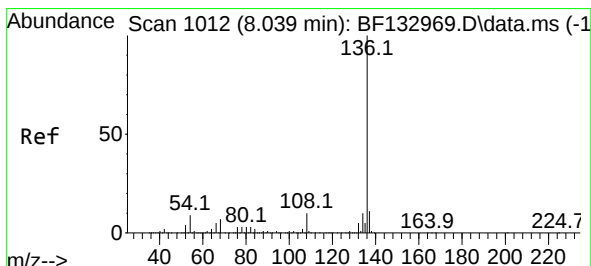
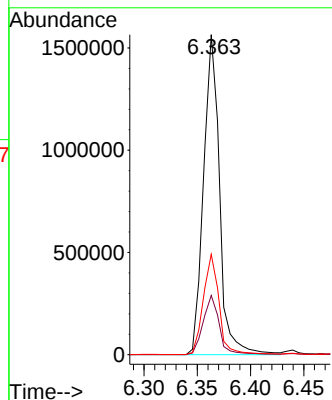
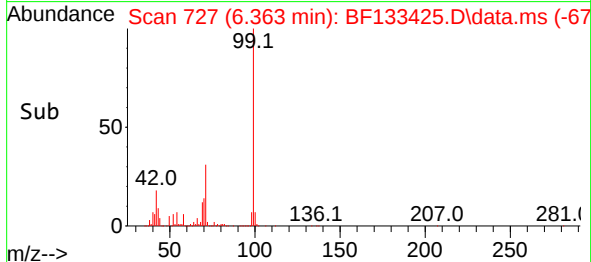
Instrument :
BNA_F
ClientSampleId :
72-11995



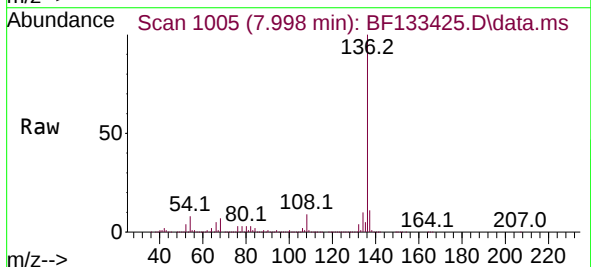
Tgt Ion: 99 Resp: 1641150
Ion Ratio Lower Upper
99 100
42 18.5 16.3 24.5
71 31.4 25.6 38.4

Manual Integrations
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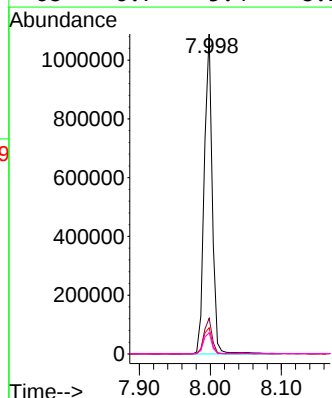
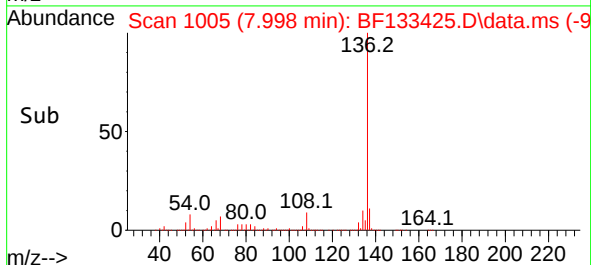
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

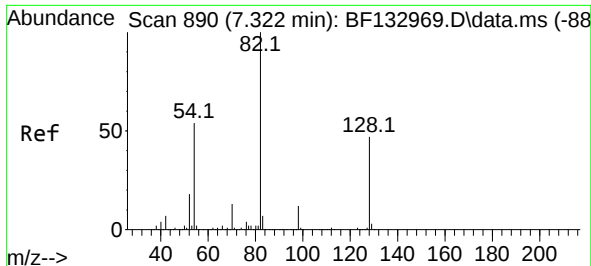


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25



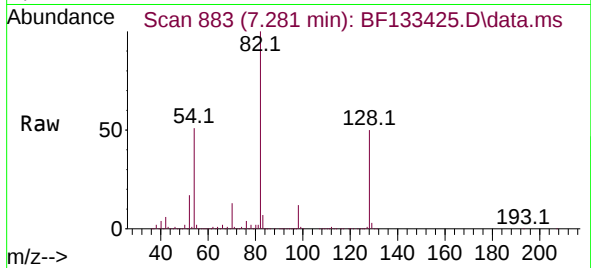
Tgt Ion:136 Resp: 852132
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.2 7.0 10.4
68 6.7 5.4 8.2





#23
Nitrobenzene-d5
Concen: 62.503 ng
RT: 7.281 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

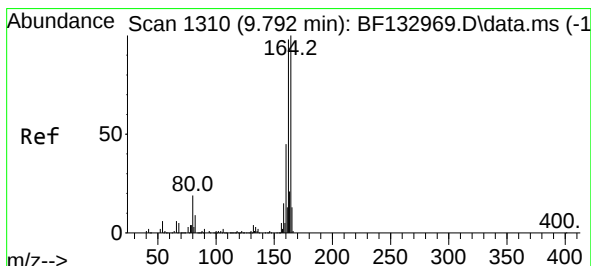
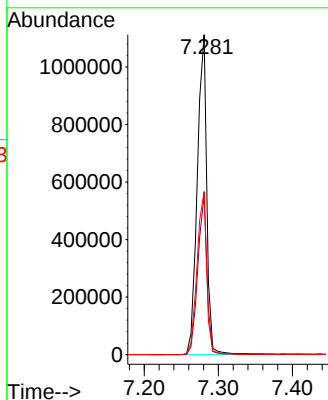
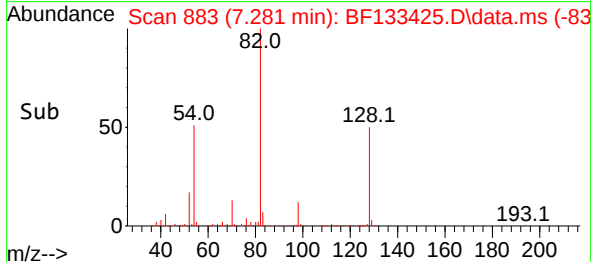
Instrument :
BNA_F
ClientSampleId :
72-11995



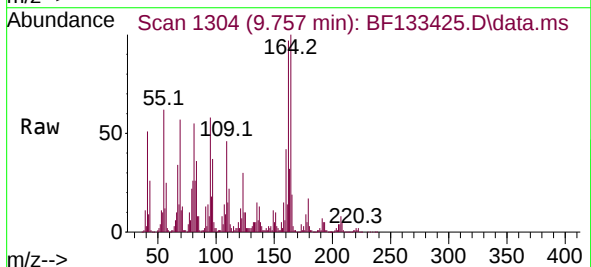
Tgt Ion: 82 Resp: 986738
Ion Ratio Lower Upper
82 100
128 49.9 37.7 56.5
54 51.0 43.0 64.4

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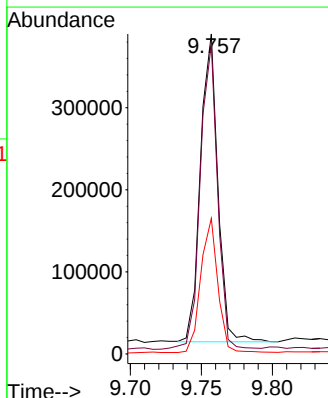
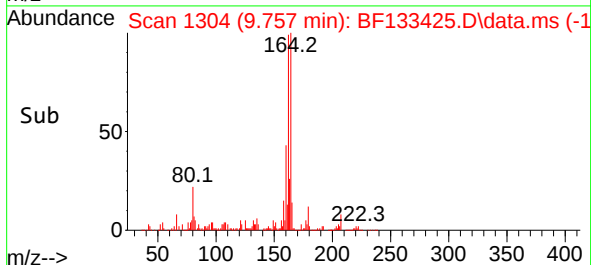
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

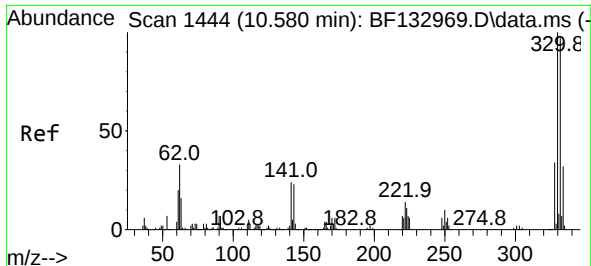


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25



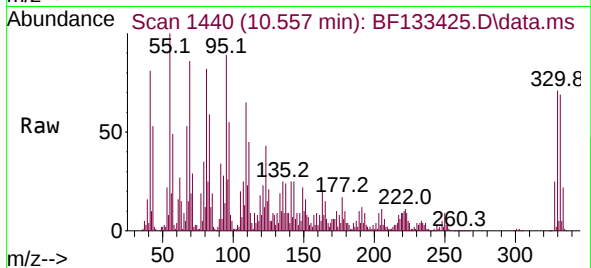
Tgt Ion:164 Resp: 319952
Ion Ratio Lower Upper
164 100
162 96.8 78.7 118.1
160 42.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 72.174 ng
RT: 10.557 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

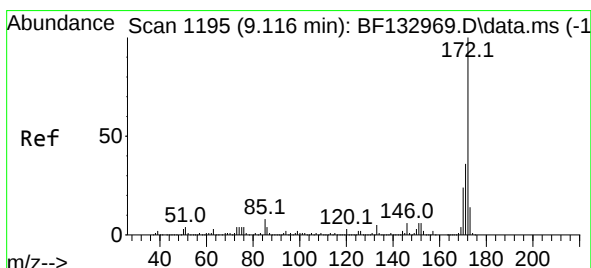
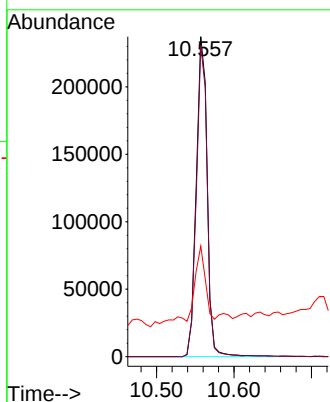
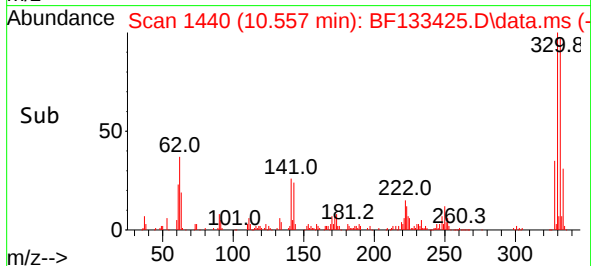
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:330 Resp: 232235
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 30.9 25.8 38.8

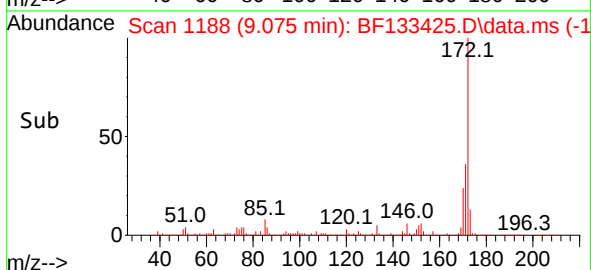
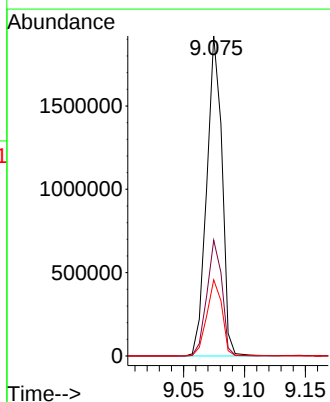
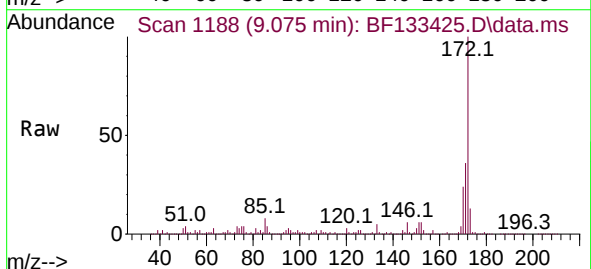
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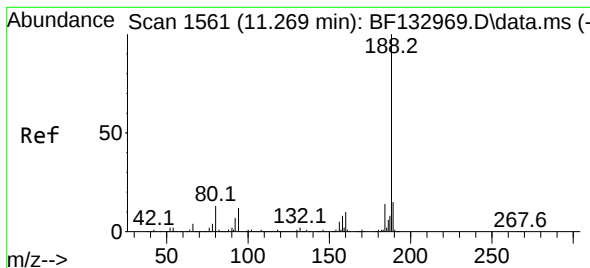
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#45
2-Fluorobiphenyl
Concen: 87.029 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

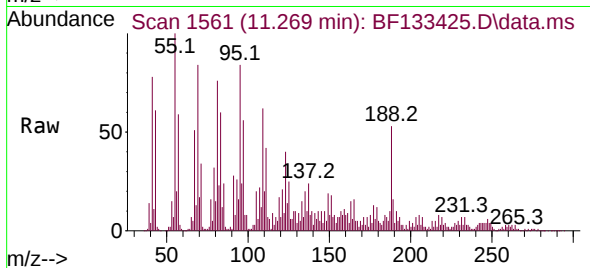
Tgt Ion:172 Resp: 1664388
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.8 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.023 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

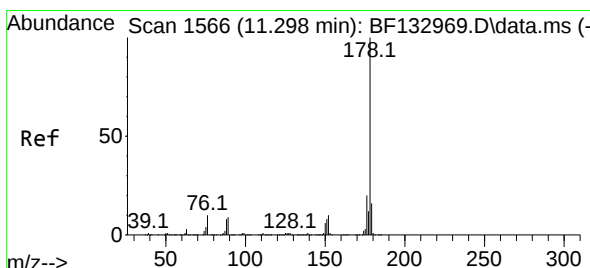
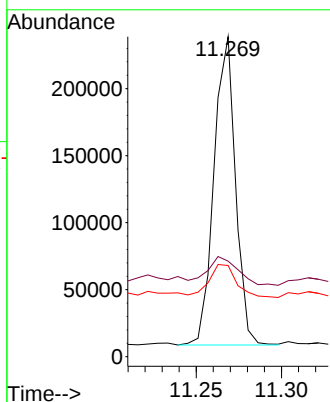
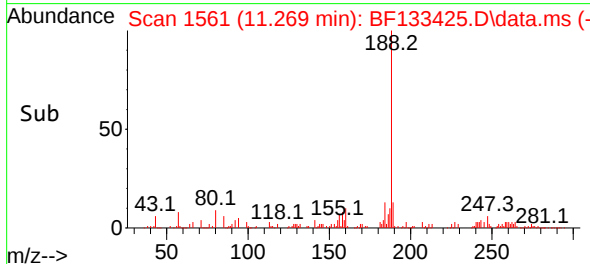
Instrument :
BNA_F
ClientSampleId :
72-11995



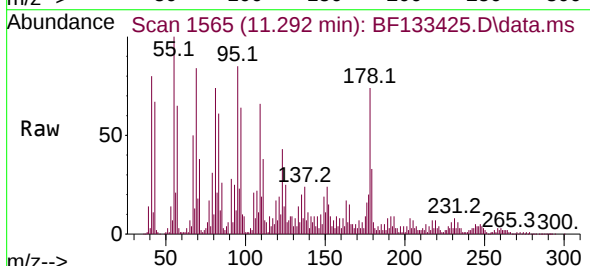
Tgt Ion:188 Resp: 20212
Ion Ratio Lower Upper
188 100
94 29.9 9.7 14.5
80 28.5 10.4 15.6

Manual Integrations
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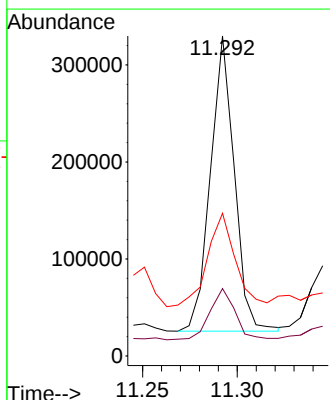
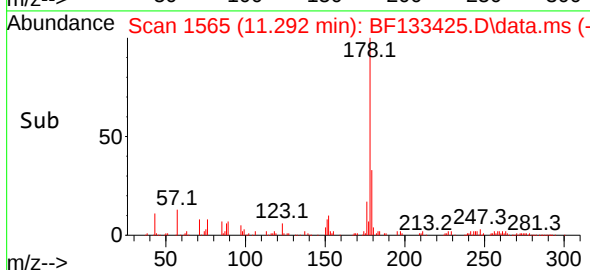
Reviewed By :Christian Giraldo 05/18/2023
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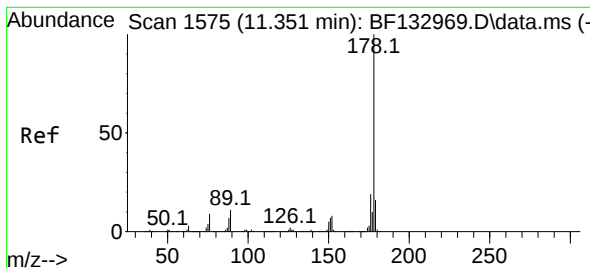


#71
Phenanthrene
Concen: 24.614 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.024 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25



Tgt Ion:178 Resp: 267397
Ion Ratio Lower Upper
178 100
176 21.0 15.9 23.9
179 44.6 12.5 18.7





#72

Anthracene

Concen: 5.354 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

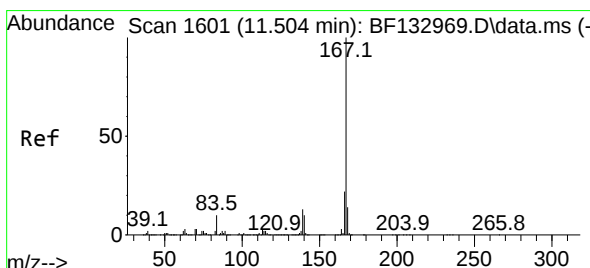
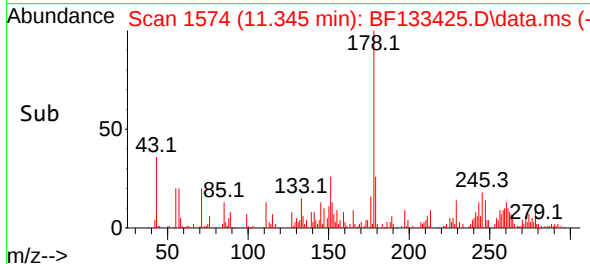
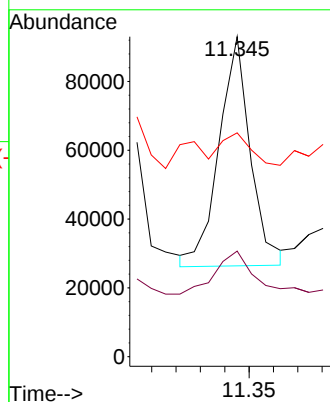
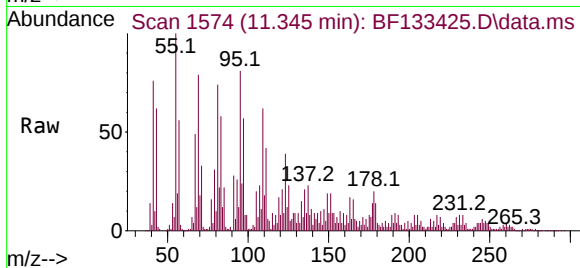
Tgt Ion:	178	Resp:	59520
Ion Ratio	Lower	Upper	
178	100		
176	33.0	15.4	23.0
179	70.0	12.4	18.6

Manual Integrations

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#73

Carbazole

Concen: 3.059 ng

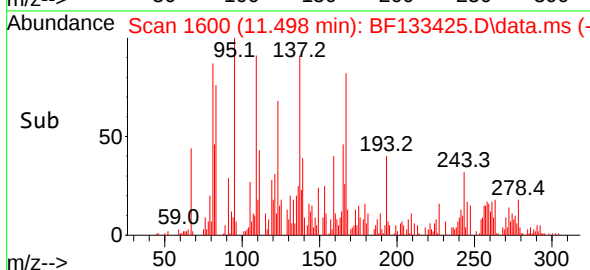
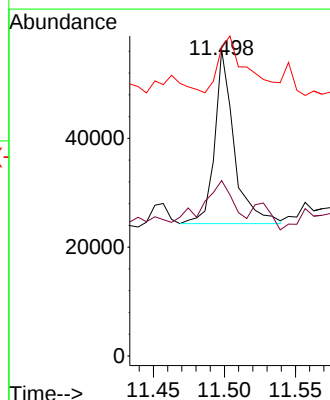
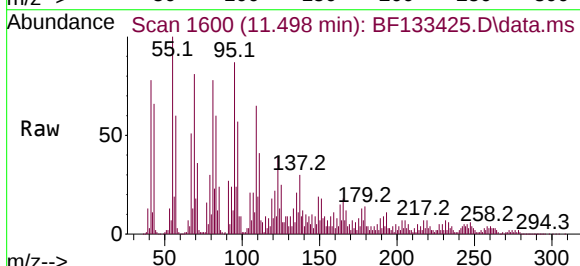
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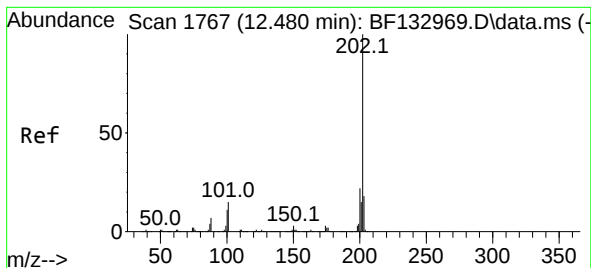
Delta R.T. 0.018 min

Lab File: BF133425.D

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Tgt Ion:	167	Resp:	30283
Ion Ratio	Lower	Upper	
167	100		
166	57.3	17.4	26.0
139	100.8	10.6	16.0





#75

Fluoranthene

Concen: 48.807 ng

RT: 12.498 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

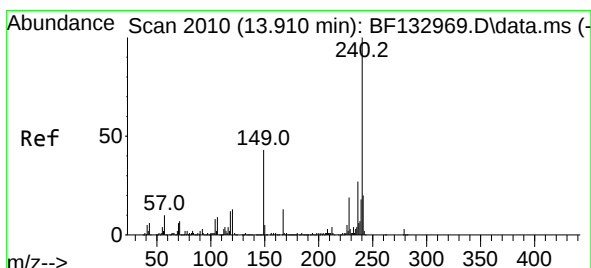
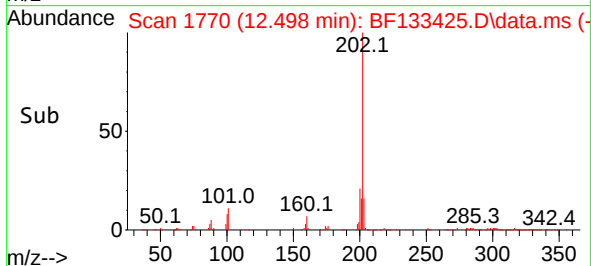
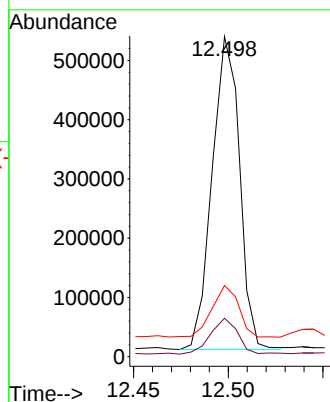
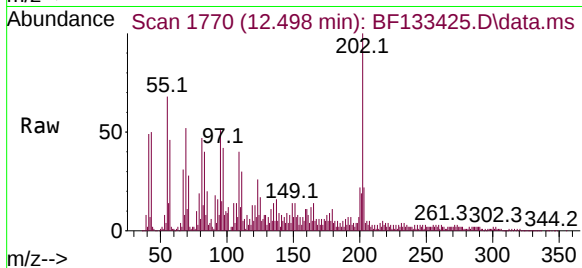
72-11995

Tgt Ion:202 Resp: 532134
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 35.3
 203 22.3 0.0 38.1

Manual Integrations

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 Supervised By :Jagrut Upadhyay 05/18/2023



#76

Chrysene-d12

Concen: 20.000 ng

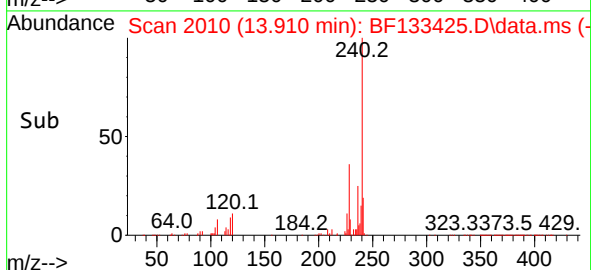
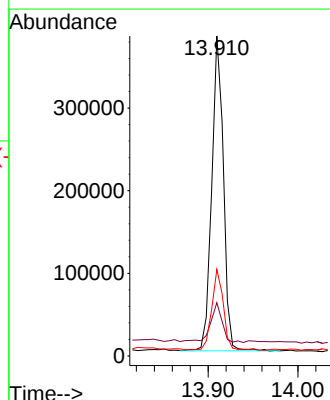
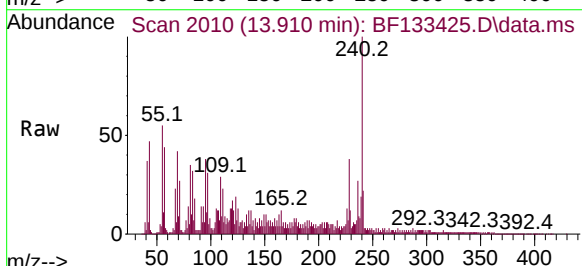
RT: 13.910 min Scan# 2010

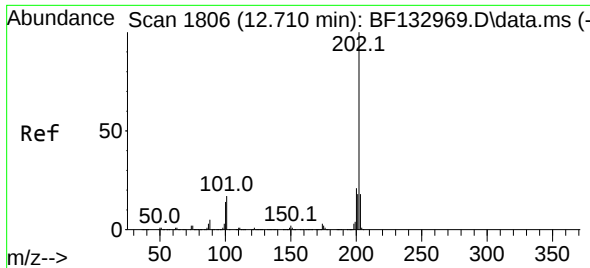
Delta R.T. 0.023 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

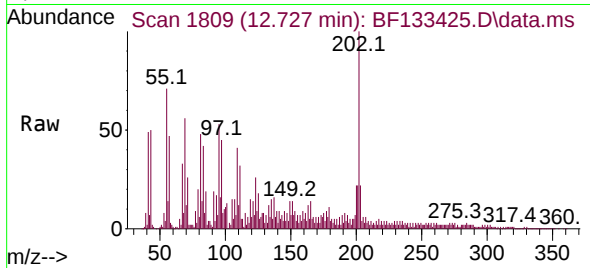
Tgt Ion:240 Resp: 343691
 Ion Ratio Lower Upper
 240 100
 120 16.6 10.5 15.7#
 236 27.1 21.5 32.3





#78
Pyrene
Concen: 16.121 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.041 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

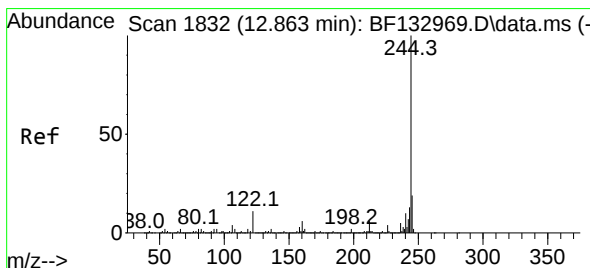
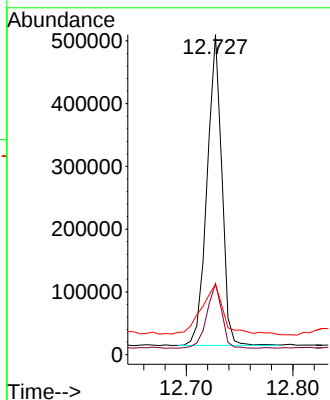
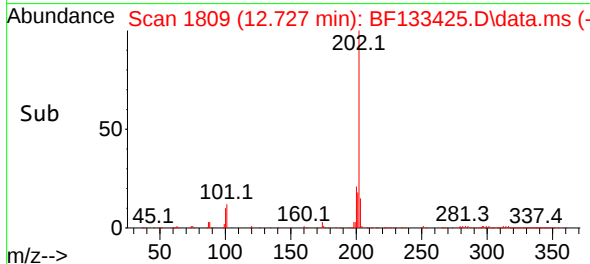
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:202 Resp: 474954
Ion Ratio Lower Upper
202 100
200 22.2 17.1 25.7
203 22.0 14.1 21.1

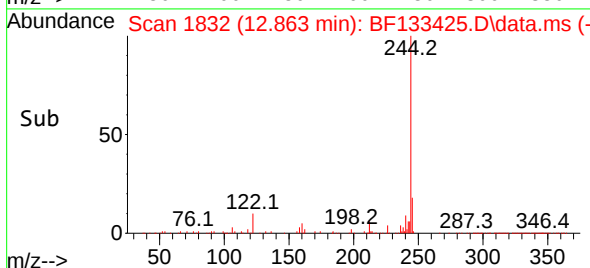
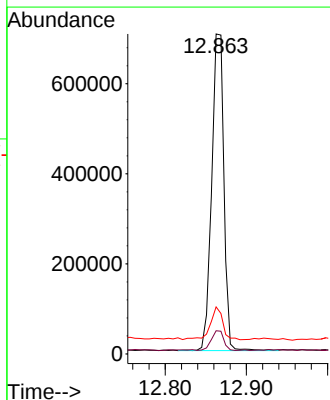
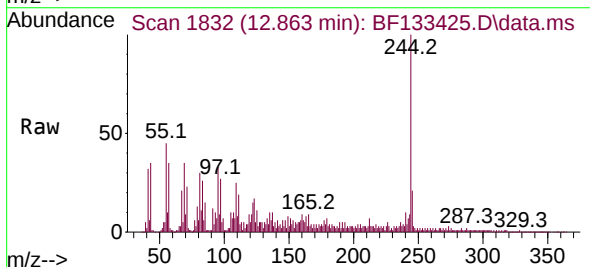
Manual Integrations
APPROVED

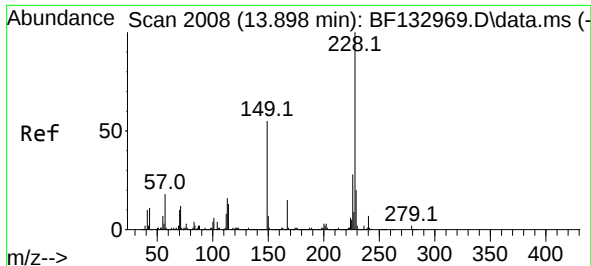
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#79
Terphenyl-d14
Concen: 36.648 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.029 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

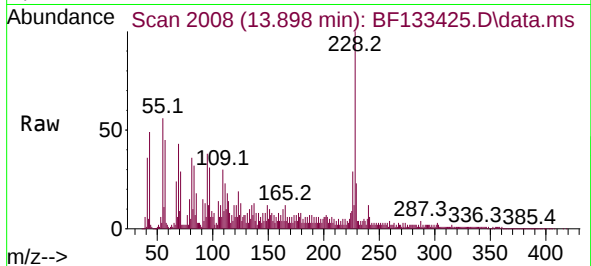
Tgt Ion:244 Resp: 730329
Ion Ratio Lower Upper
244 100
212 7.2 5.1 7.7
122 14.7 8.6 13.0





#81
Benzo(a)anthracene
Concen: 17.676 ng
RT: 13.898 min Scan# 2008
Delta R.T. 0.023 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

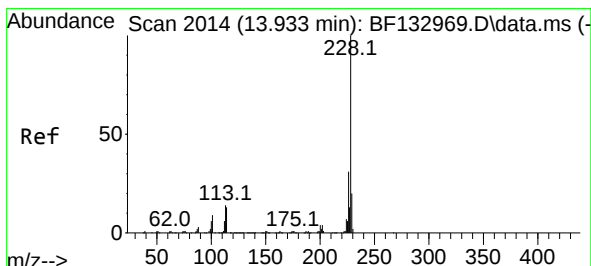
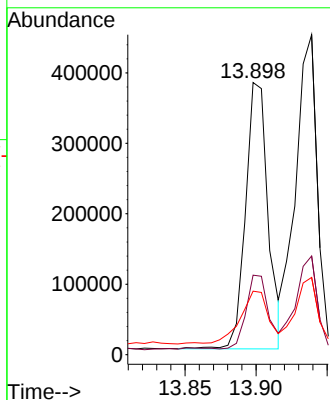
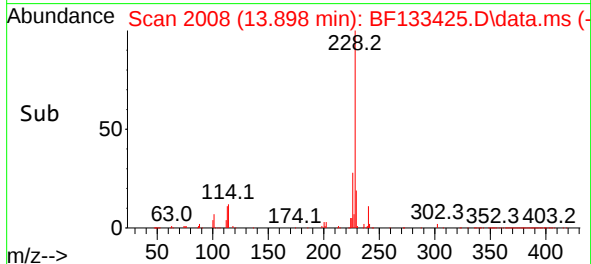
Instrument :
BNA_F
ClientSampleId :
72-11995



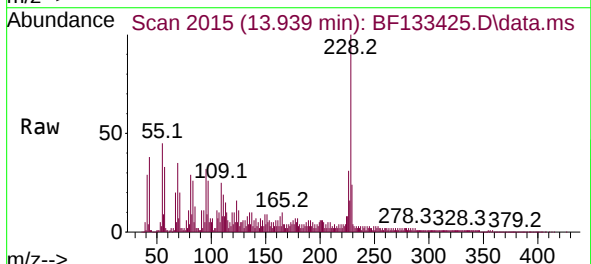
Tgt Ion:228 Resp: 417762
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 23.3 16.0 24.0

Manual Integrations
APPROVED

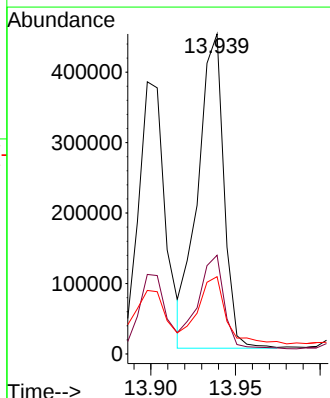
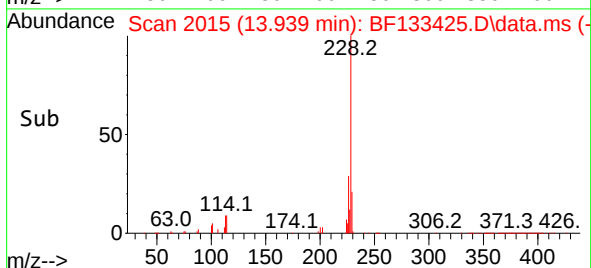
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

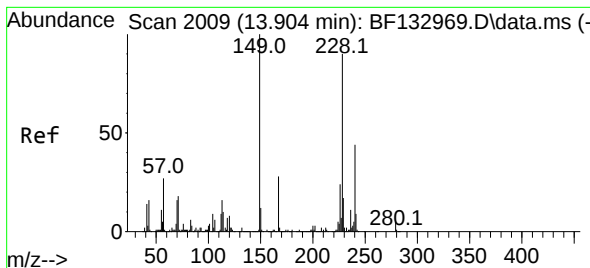


#83
Chrysene
Concen: 20.209 ng m
RT: 13.939 min Scan# 2015
Delta R.T. 0.029 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25



Tgt Ion:228 Resp: 477518
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 24.1 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.857 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.024 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

Tgt Ion:149 Resp: 50508

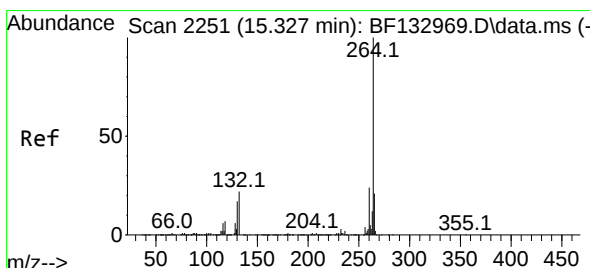
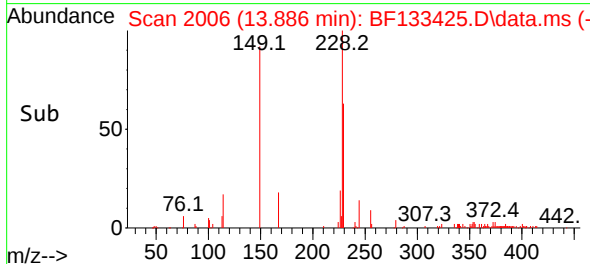
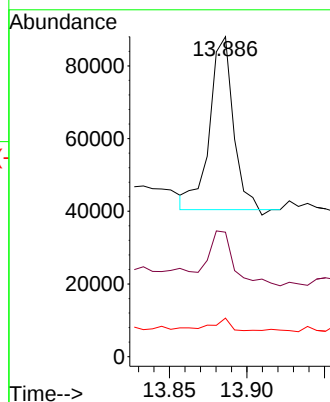
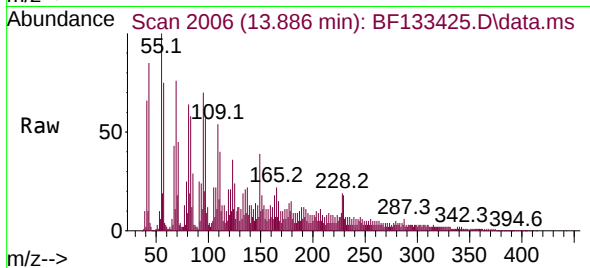
Ion	Ratio	Lower	Upper
149	100		
167	38.9	22.5	33.7
279	12.0	4.2	6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 2249

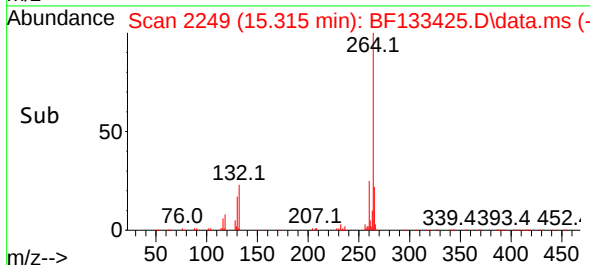
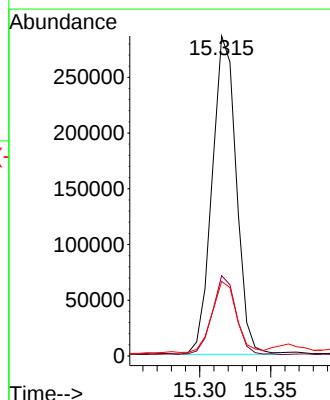
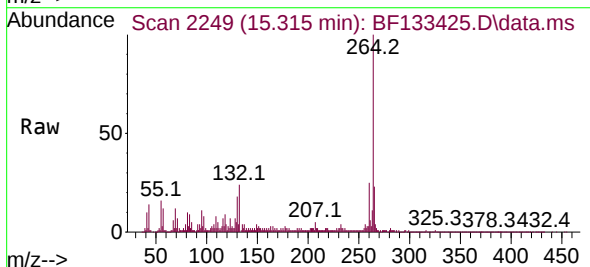
Delta R.T. 0.012 min

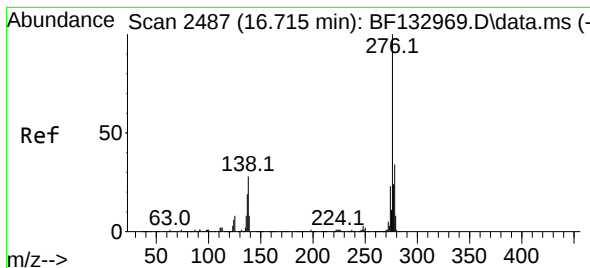
Lab File: BF133425.D

Acq: 17 May 2023 21:25

Tgt Ion:264 Resp: 338625

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.8	28.2
265	23.3	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.056 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

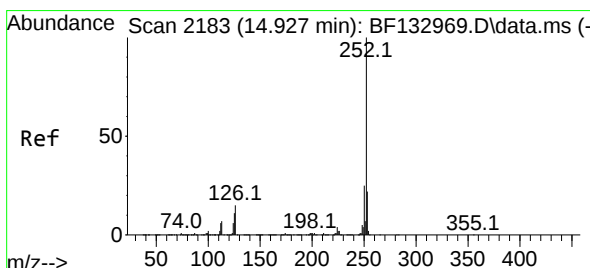
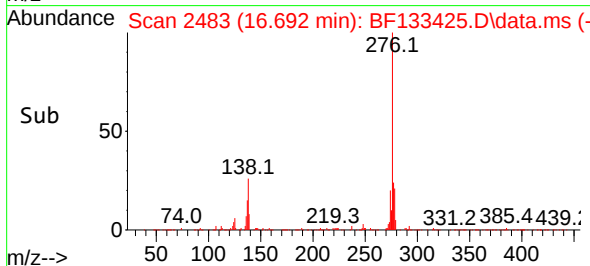
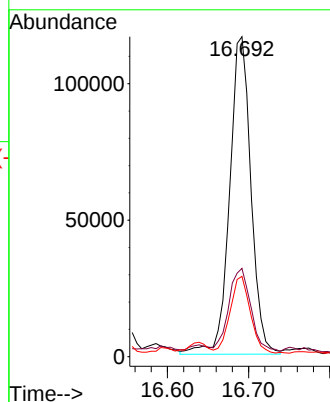
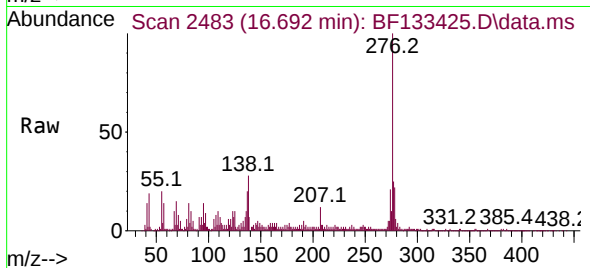
Tgt Ion:	276	Resp:	21296
Ion Ratio	Lower	Upper	
276	100		
138	26.5	25.5	38.3
277	22.8	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#88

Benzo(b)fluoranthene

Concen: 29.251 ng m

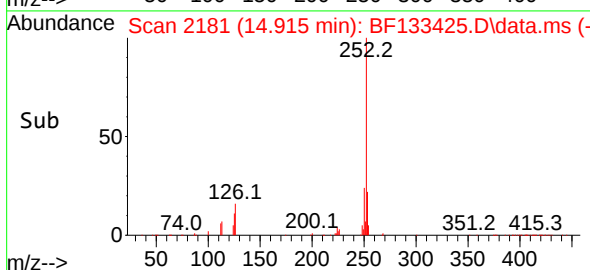
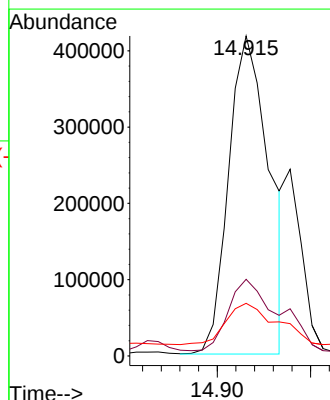
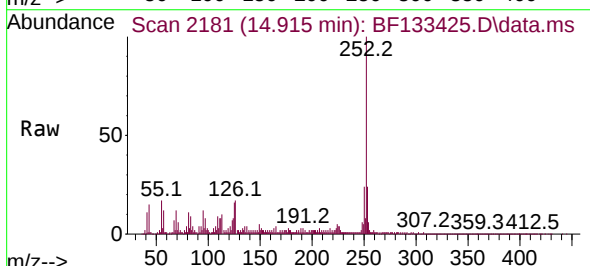
RT: 14.915 min Scan# 2181

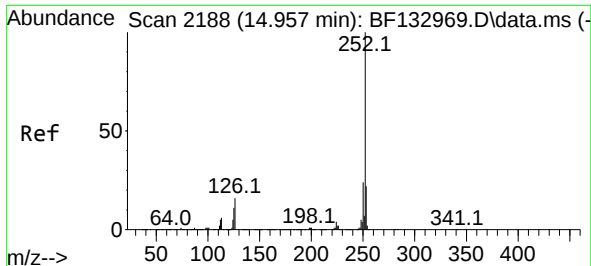
Delta R.T. 0.018 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

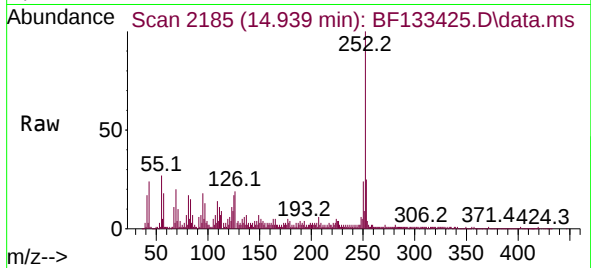
Tgt Ion:	252	Resp:	630149
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	16.4	8.9	13.3





#89
Benzo(k)fluoranthene
Concen: 7.152 ng m
RT: 14.939 min Scan# 2188
Delta R.T. 0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

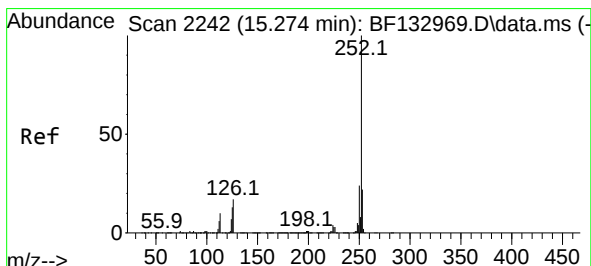
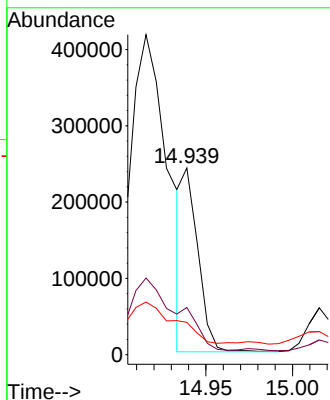
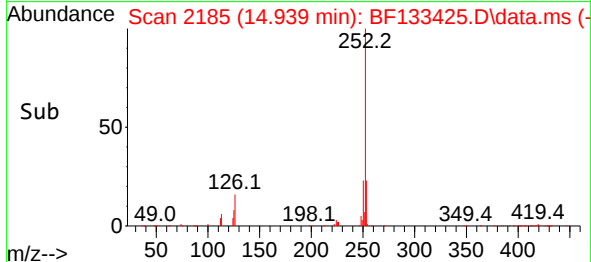
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:252 Resp: 152739
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 17.3 9.0 13.4

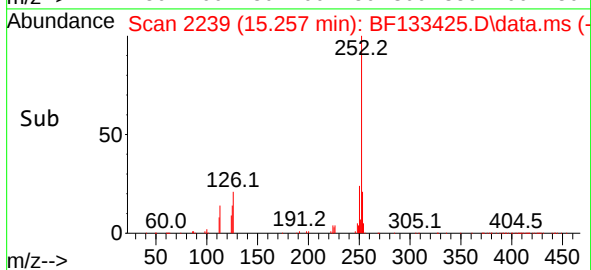
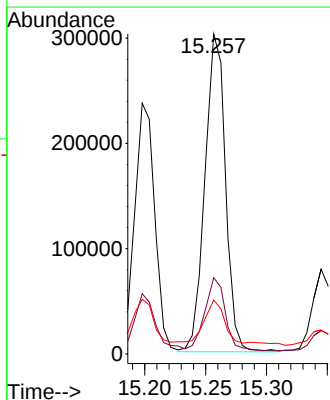
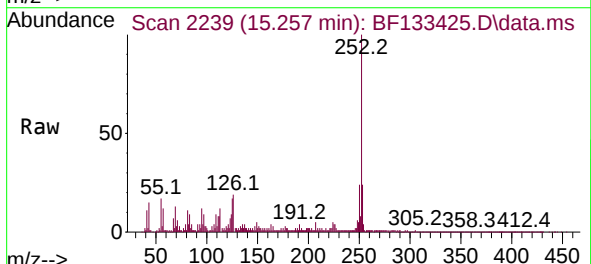
Manual Integrations
APPROVED

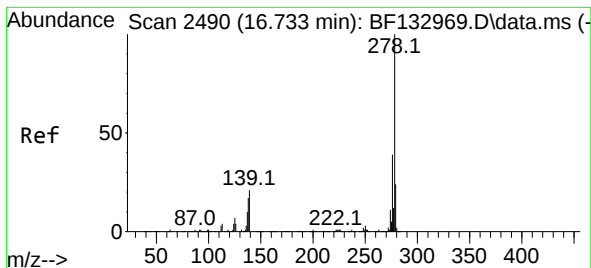
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#90
Benzo(a)pyrene
Concen: 18.140 ng
RT: 15.257 min Scan# 2239
Delta R.T. 0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion:252 Resp: 355704
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 16.8 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 3.335 ng

RT: 16.692 min Scan# 2490

Delta R.T. -0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

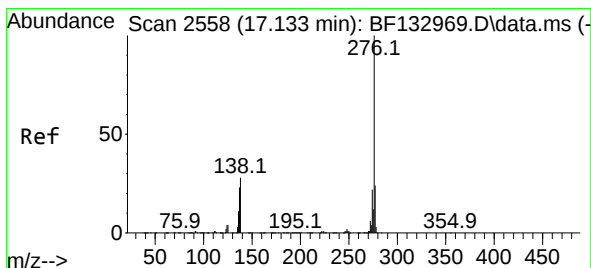
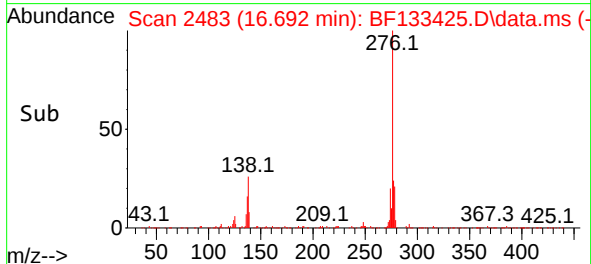
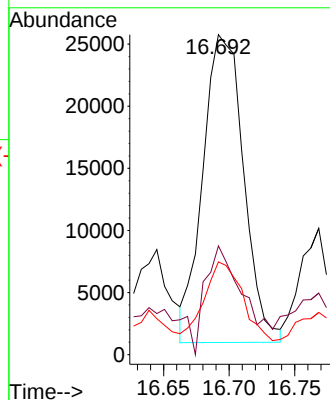
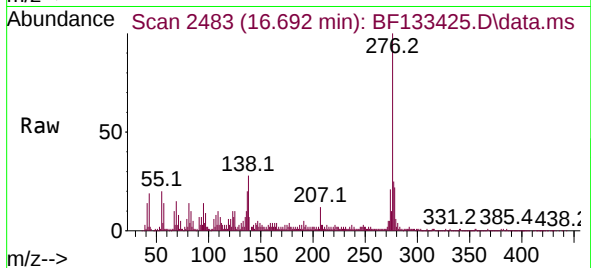
Tgt Ion:	278	Resp:	5358
Ion Ratio	Lower	Upper	
278	100		
139	34.0	16.6	24.8
279	29.0	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#92

Benzo(g,h,i)perylene

Concen: 12.703 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.006 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Tgt Ion:	276	Resp:	201480
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.4	29.0
138	29.4	22.7	34.1

