

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
 Data File : BF132528.D
 Acq On : 23 Feb 2023 19:19
 Operator : CG\JU
 Sample : 01663-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-D2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2023
 Supervised By : Jagrut Upadhyay 02/24/2023

Quant Time: Feb 24 00:39:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	152730	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	576545	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	307169	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	544256	20.000	ng	0.00
76) Chrysene-d12	14.207	240	287009	20.000	ng	-0.01
86) Perylene-d12	15.760	264	337588	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	966415	102.695	ng	0.00
7) Phenol-d6	6.637	99	1237232	100.739	ng	0.00
23) Nitrobenzene-d5	7.572	82	827008	68.055	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	323990	97.667	ng	-0.01
45) 2-Fluorobiphenyl	9.372	172	1259287	62.424	ng	0.00
79) Terphenyl-d14	13.142	244	1144095	67.398	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.572	178	113285	4.018	ng	98
75) Fluoranthene	12.772	202	116385	3.776	ng	97
78) Pyrene	13.001	202	110833	4.247	ng	97
92) Benzo(g,h,i)perylene	17.836	276	25163	2.808	ng	# 93

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

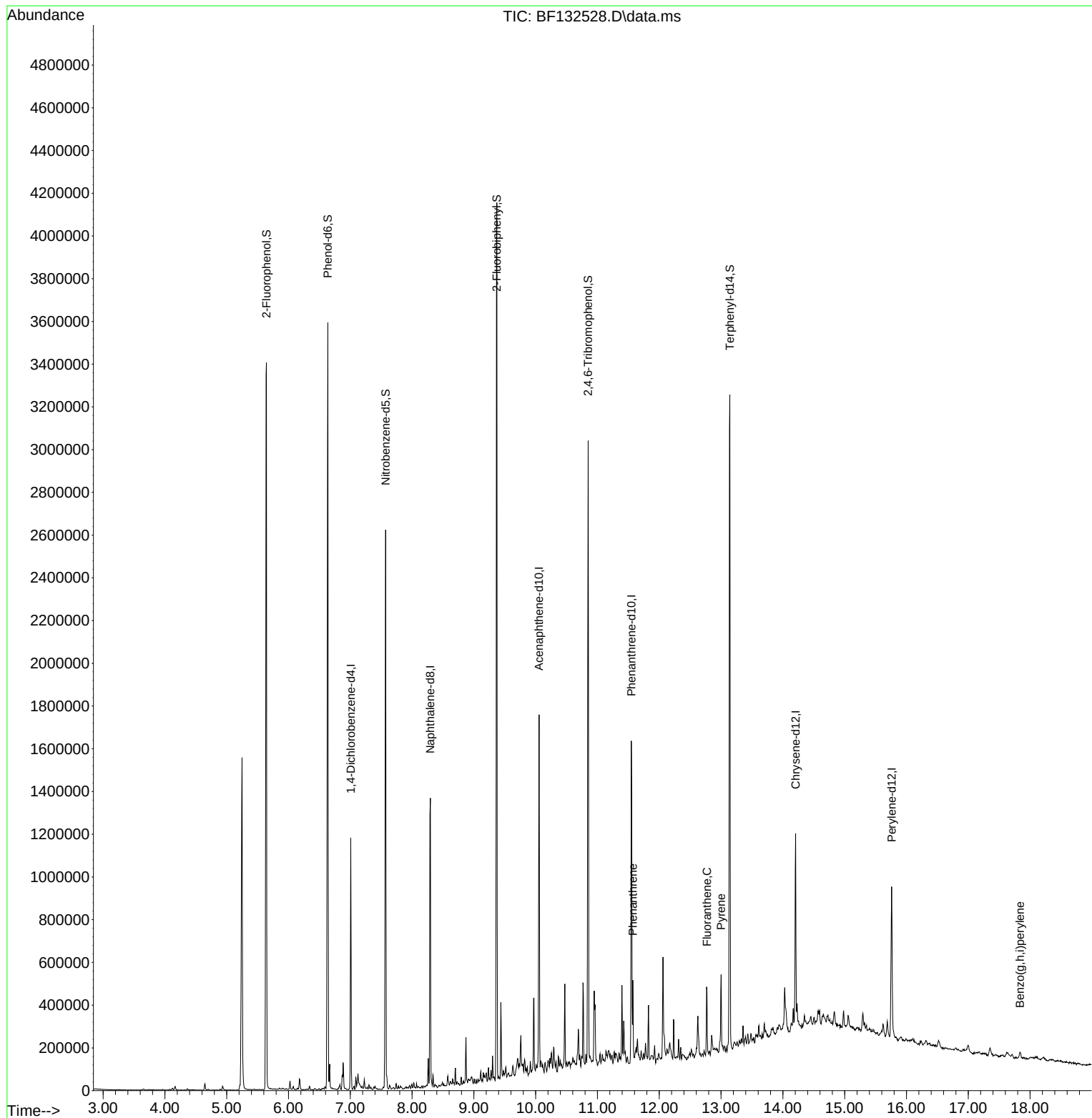
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132528.D
Acq On : 23 Feb 2023 19:19
Operator : CG\JU
Sample : 01663-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

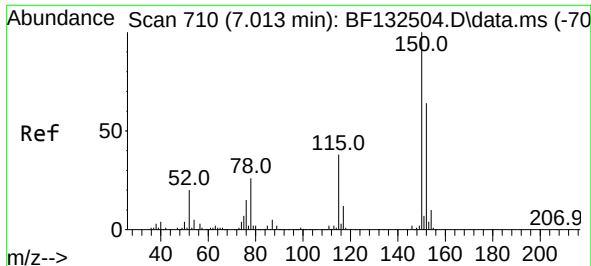
Instrument :
BNA_F
ClientSampleId :
WC-D2

Quant Time: Feb 24 00:39:42 2023
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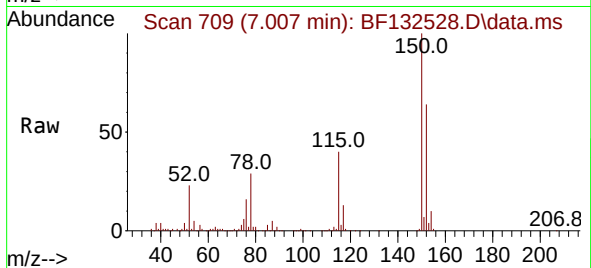
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

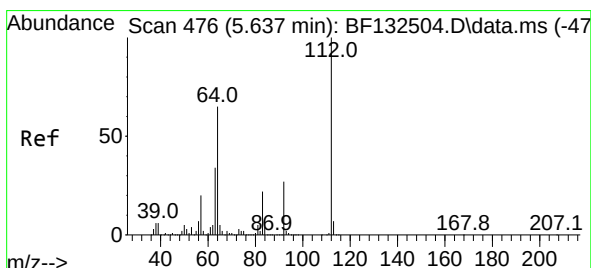
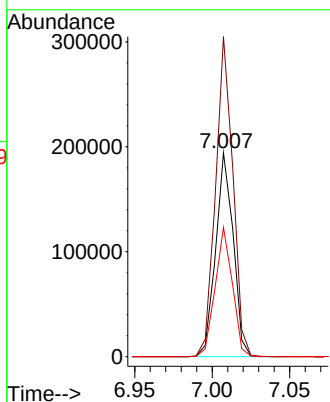
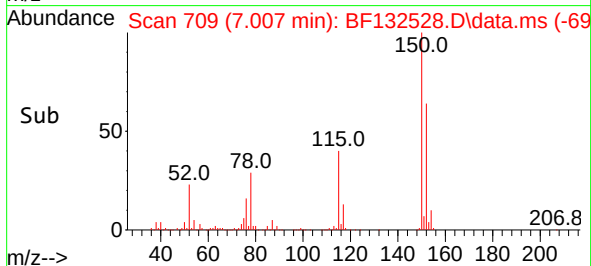
Instrument :
BNA_F
ClientSampleId :
WC-D2



Tgt Ion:152 Resp: 152730
Ion Ratio Lower Upper
152 100
150 156.9 125.4 188.2
115 63.4 47.8 71.6

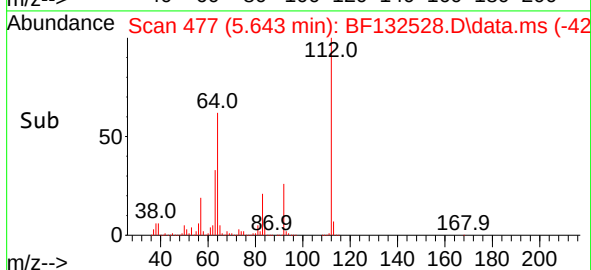
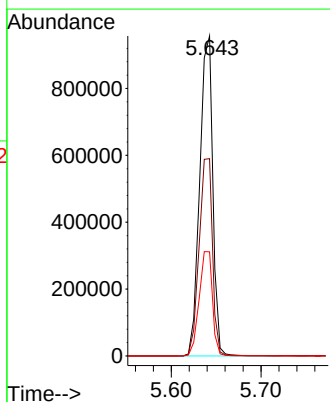
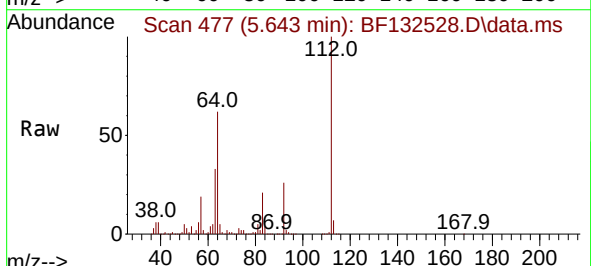
Manual Integrations
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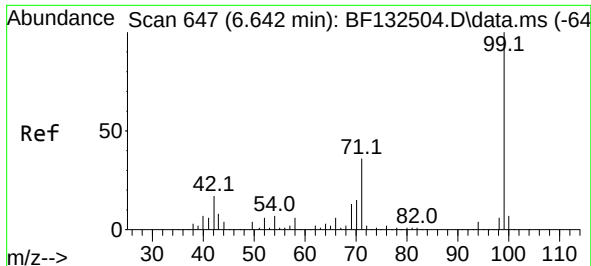
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#5
2-Fluorophenol
Concen: 102.695 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

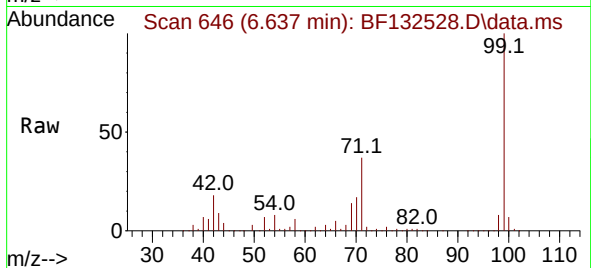
Tgt Ion:112 Resp: 966415
Ion Ratio Lower Upper
112 100
64 61.6 51.6 77.4
63 32.5 27.4 41.2





#7
Phenol-d6
Concen: 100.739 ng
RT: 6.637 min Scan# 647
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

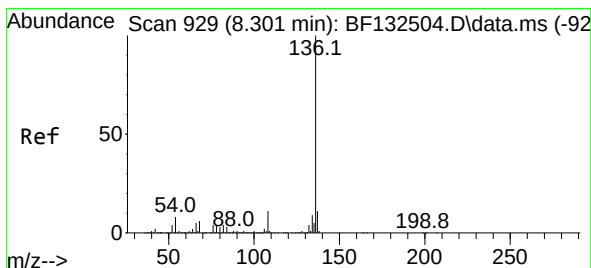
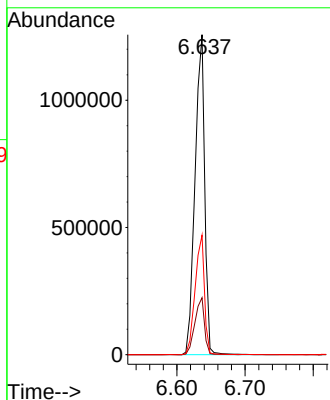
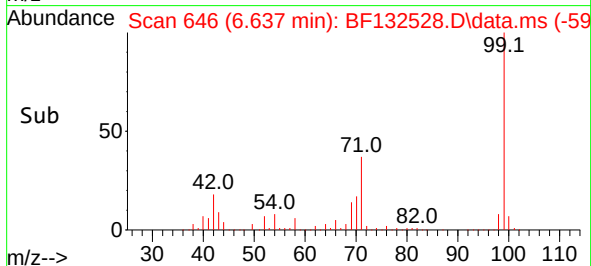
Instrument :
BNA_F
ClientSampleId :
WC-D2



Tgt Ion: 99 Resp: 123723
Ion Ratio Lower Upper
99 100
42 17.8 13.9 20.9
71 37.4 28.5 42.7

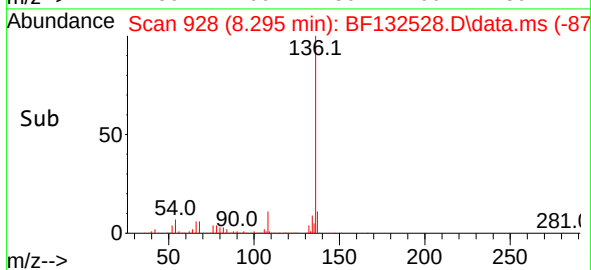
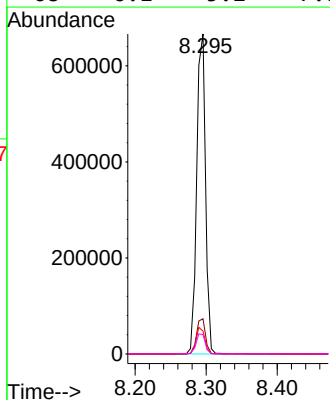
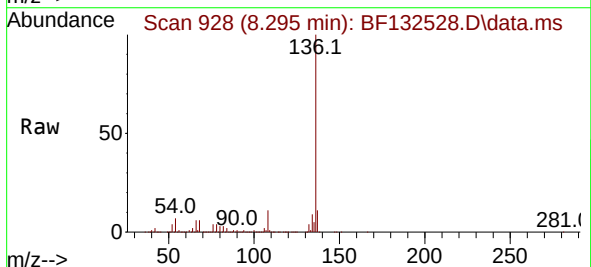
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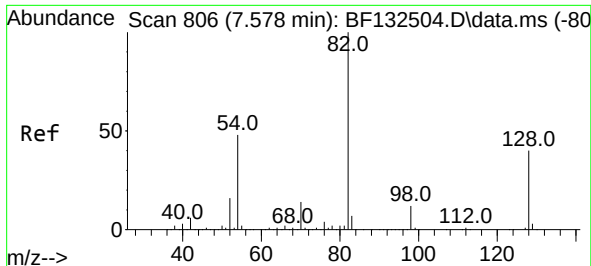
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:136 Resp: 576545
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 6.2 9.4
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 68.055 ng

RT: 7.572 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

Instrument :

BNA_F

ClientSampleId :

WC-D2

Tgt Ion: 82 Resp: 827000

Ion Ratio Lower Upper

82 100

128 41.8 32.2 48.2

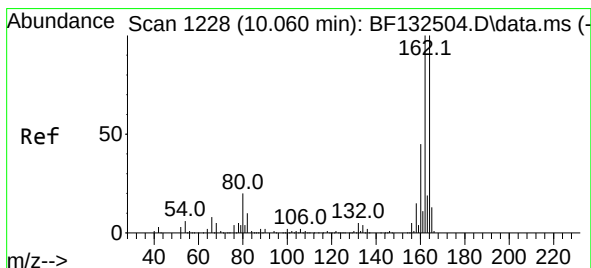
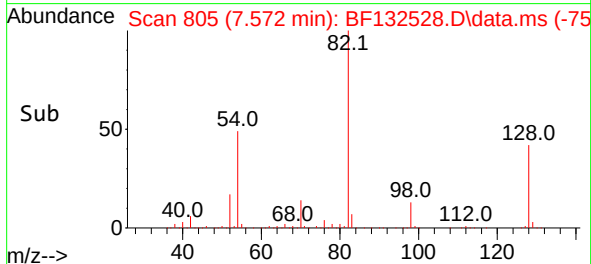
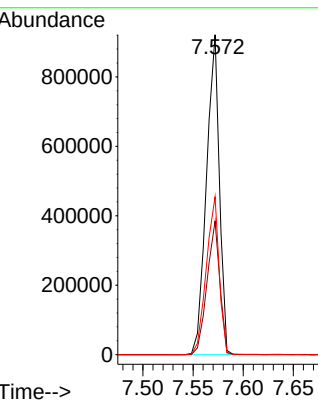
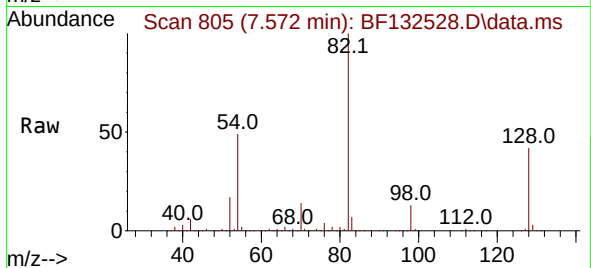
54 49.3 38.4 57.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.054 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

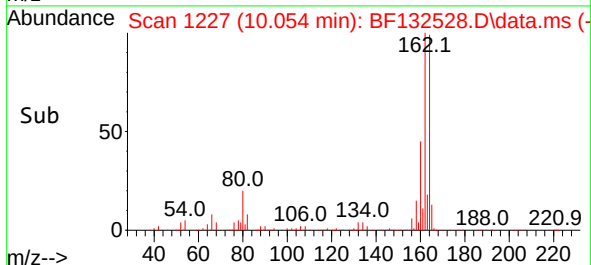
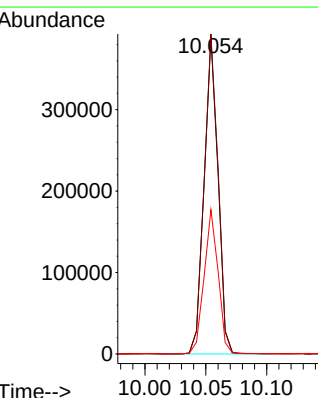
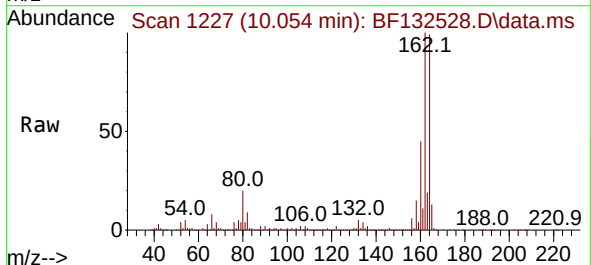
Tgt Ion:164 Resp: 307169

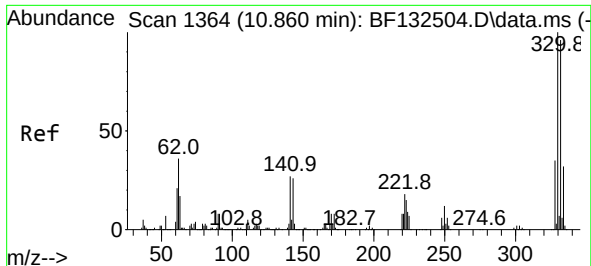
Ion Ratio Lower Upper

164 100

162 101.0 79.8 119.8

160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 97.667 ng

RT: 10.848 min Scan# 1111

Delta R.T. -0.012 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

Instrument :

BNA_F

ClientSampleId :

WC-D2

Tgt Ion:330 Resp: 323990

Ion Ratio Lower Upper

330 100

332 96.2 76.2 114.4

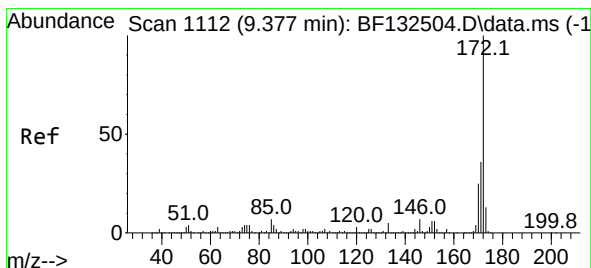
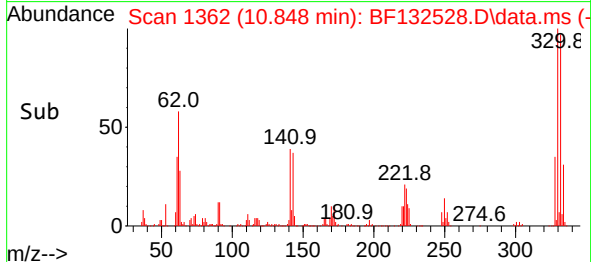
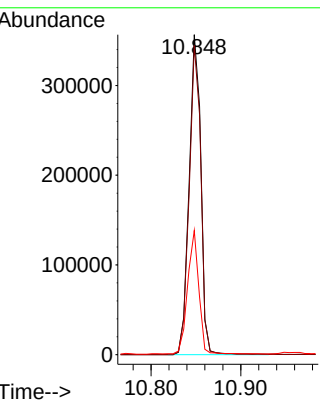
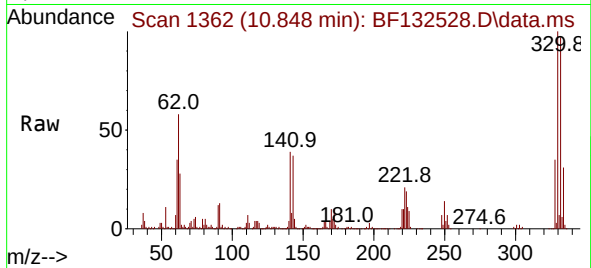
141 37.4 28.4 42.6

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 62.424 ng

RT: 9.372 min Scan# 1111

Delta R.T. -0.005 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

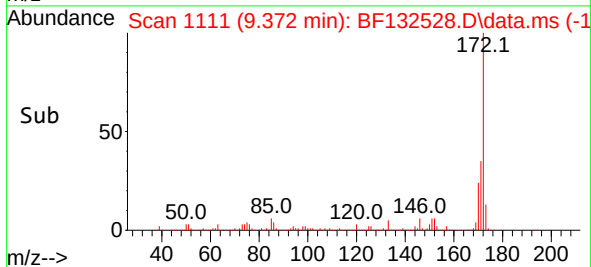
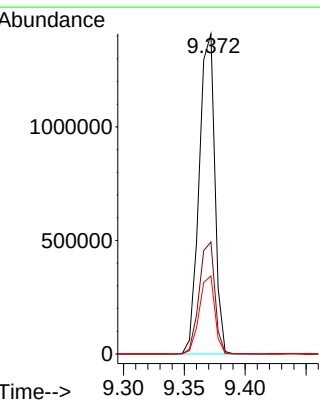
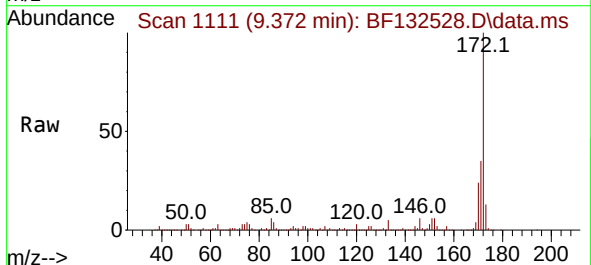
Tgt Ion:172 Resp: 1259287

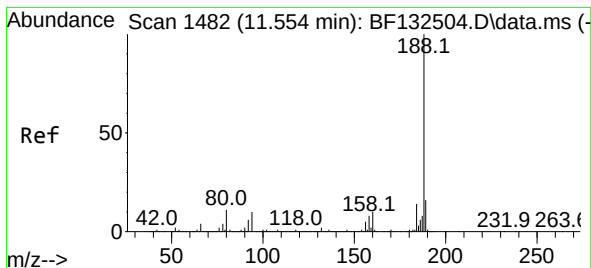
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 24.4 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.548 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

Instrument :

BNA_F

ClientSampleId :

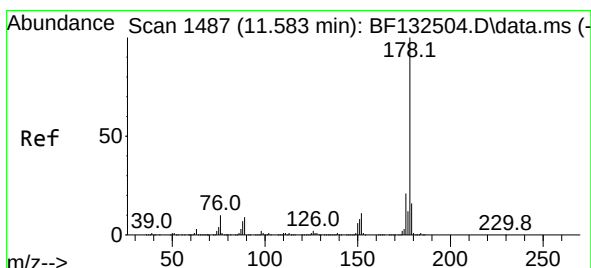
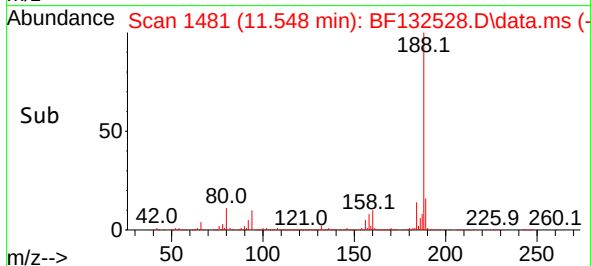
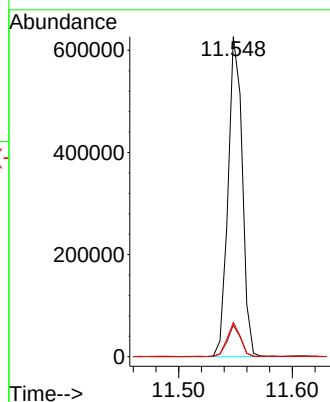
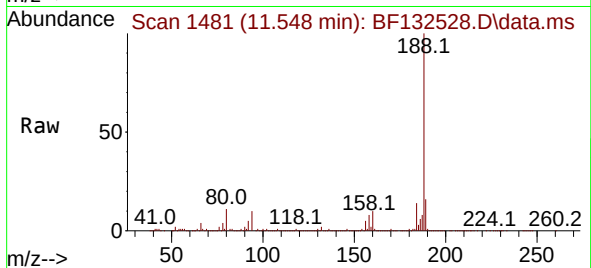
WC-D2

Tgt Ion:188 Resp: 544250
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.3 12.5
 80 10.7 8.7 13.1

Manual Integrations

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Reviewed By :Christian Giraldo 02/24/2023
 Supervised By :Jagrut Upadhyay 02/24/2023



#71

Phenanthrene

Concen: 4.018 ng

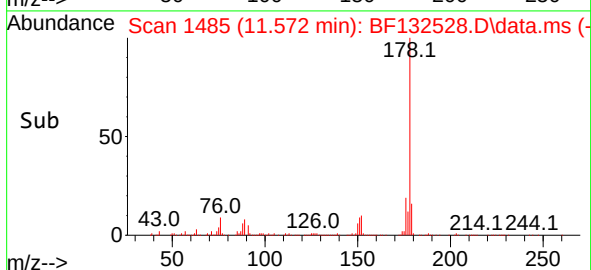
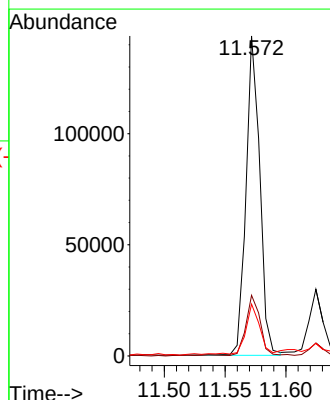
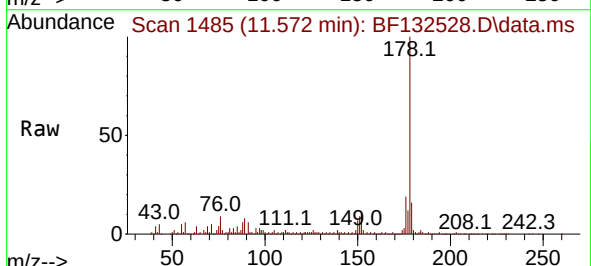
RT: 11.572 min Scan# 1485

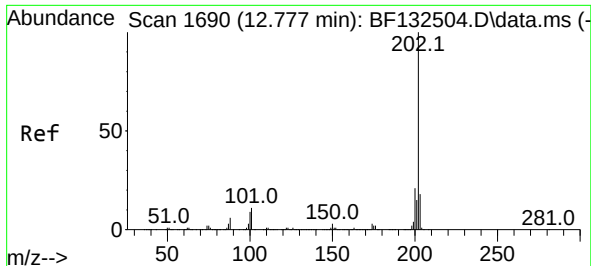
Delta R.T. -0.012 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

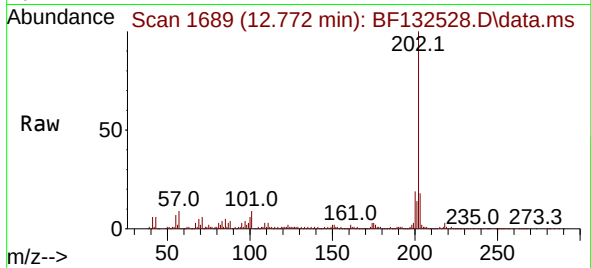
Tgt Ion:178 Resp: 113285
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.5 24.7
 179 16.2 13.0 19.6





#75
Fluoranthene
Concen: 3.776 ng
RT: 12.772 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

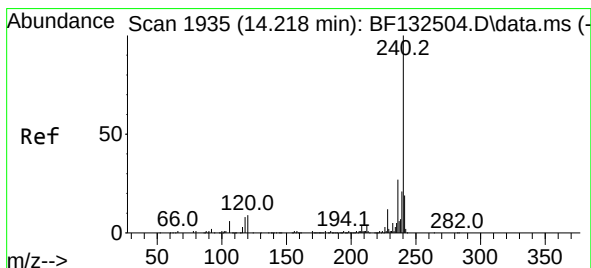
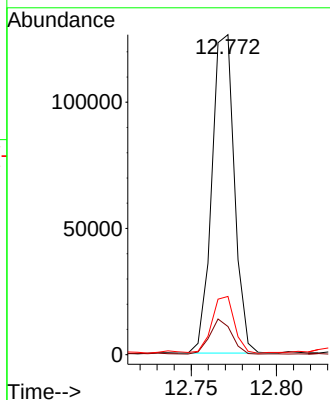
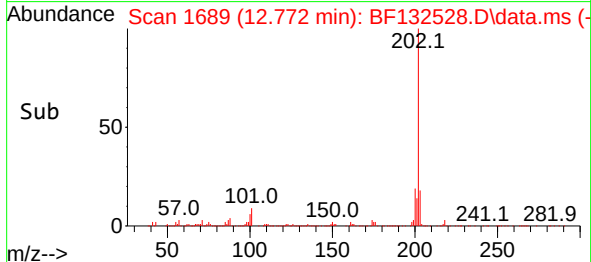
Instrument :
BNA_F
ClientSampleId :
WC-D2



Tgt Ion:202 Resp: 116385
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.4
203 18.2 0.0 38.0

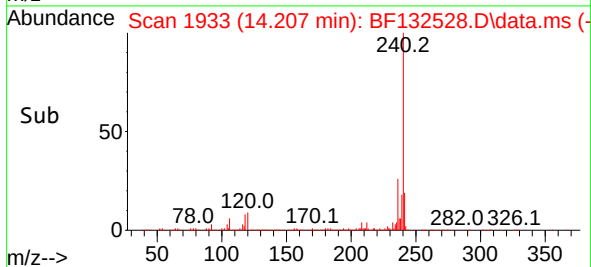
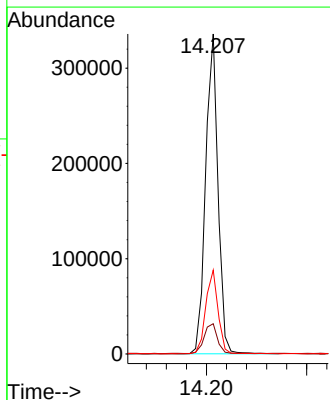
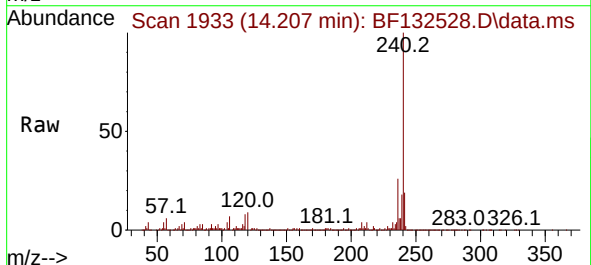
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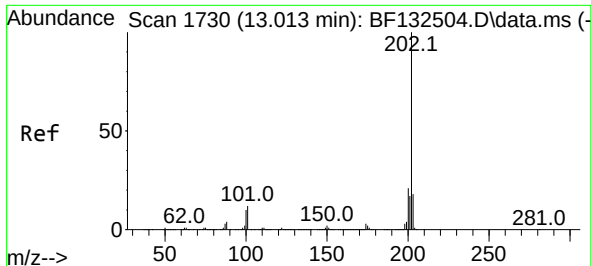
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:240 Resp: 287009
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 26.2 21.8 32.6





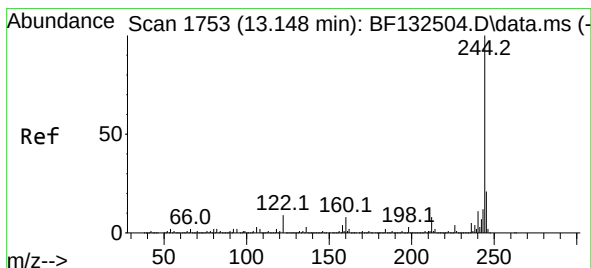
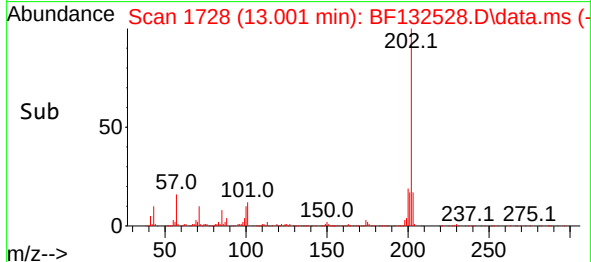
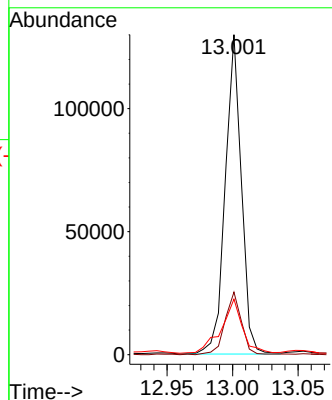
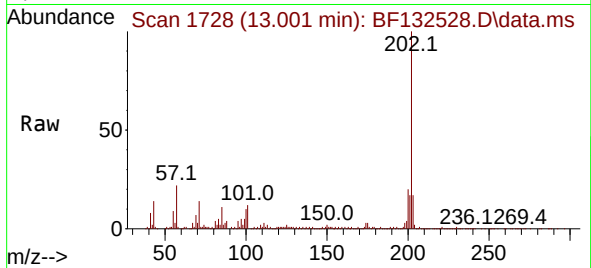
#78
Pyrene
Concen: 4.247 ng
RT: 13.001 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Instrument :
BNA_F
ClientSampleId :
WC-D2

Tgt Ion:202 Resp: 11083
Ion Ratio Lower Upper
202 100
200 19.5 17.1 25.7
203 17.4 14.6 21.8

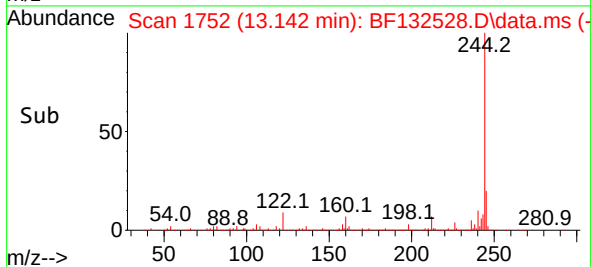
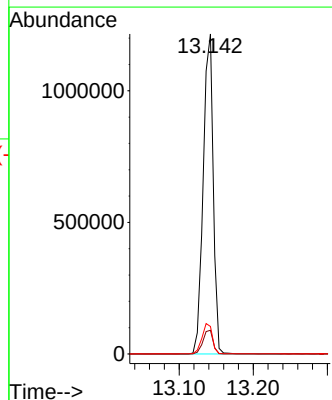
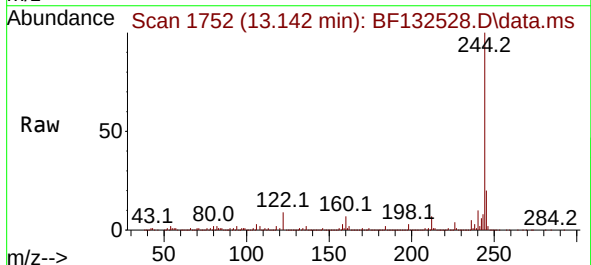
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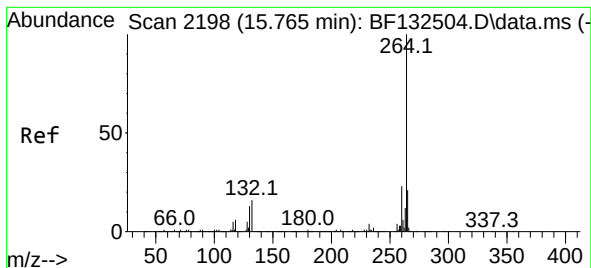
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#79
Terphenyl-d14
Concen: 67.398 ng
RT: 13.142 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:244 Resp: 1144095
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 8.6 7.5 11.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.760 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

Instrument :

BNA_F

ClientSampleId :

WC-D2

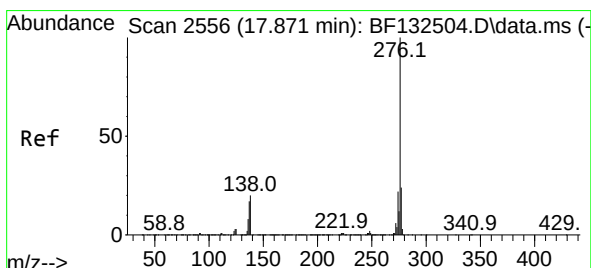
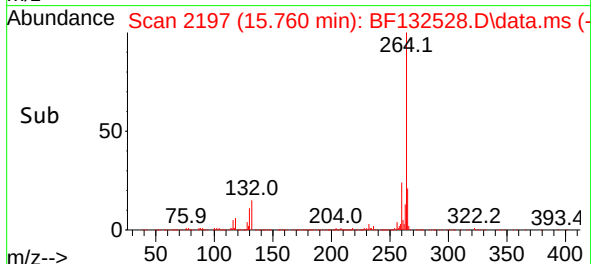
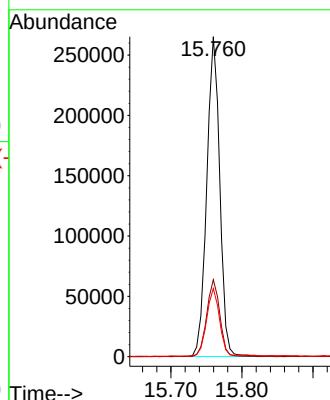
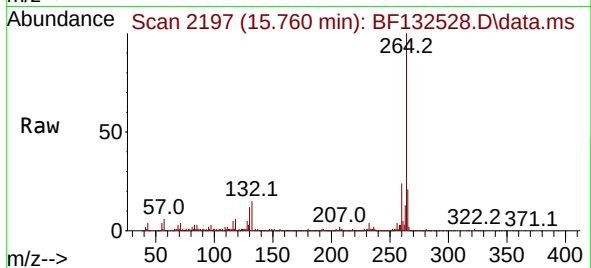
Tgt Ion:264 Resp: 33758

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.3	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#92

Benzo(g,h,i)perylene

Concen: 2.808 ng

RT: 17.836 min Scan# 2550

Delta R.T. -0.035 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

Tgt Ion:276 Resp: 25163

Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.9	28.3#
138	21.9	16.2	24.4

