

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133429.D
 Acq On : 17 May 2023 23:27
 Operator : CG\JU
 Sample : 02810-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-051623

Quant Time: May 18 04:07:27 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	238691	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	916703	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	409161	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	590745	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	460261	20.000	ng	-0.01
86) Perylene-d12	15.304	264	369457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	184716	11.690	ng	-0.01
7) Phenol-d6	6.357	99	223640	11.403	ng	-0.01
23) Nitrobenzene-d5	7.275	82	125716	7.402	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	37494	9.112	ng	-0.01
45) 2-Fluorobiphenyl	9.069	172	265949	10.874	ng	-0.02
79) Terphenyl-d14	12.816	244	231884	8.689	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.257	178	80197	2.526	ng	95
75) Fluoranthene	12.445	202	137992	4.330	ng	96
78) Pyrene	12.674	202	135158	3.426	ng	99
88) Benzo(b)fluoranthene	14.892	252	61558m	2.619	ng	
90) Benzo(a)pyrene	15.239	252	42918	2.006	ng	# 50

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

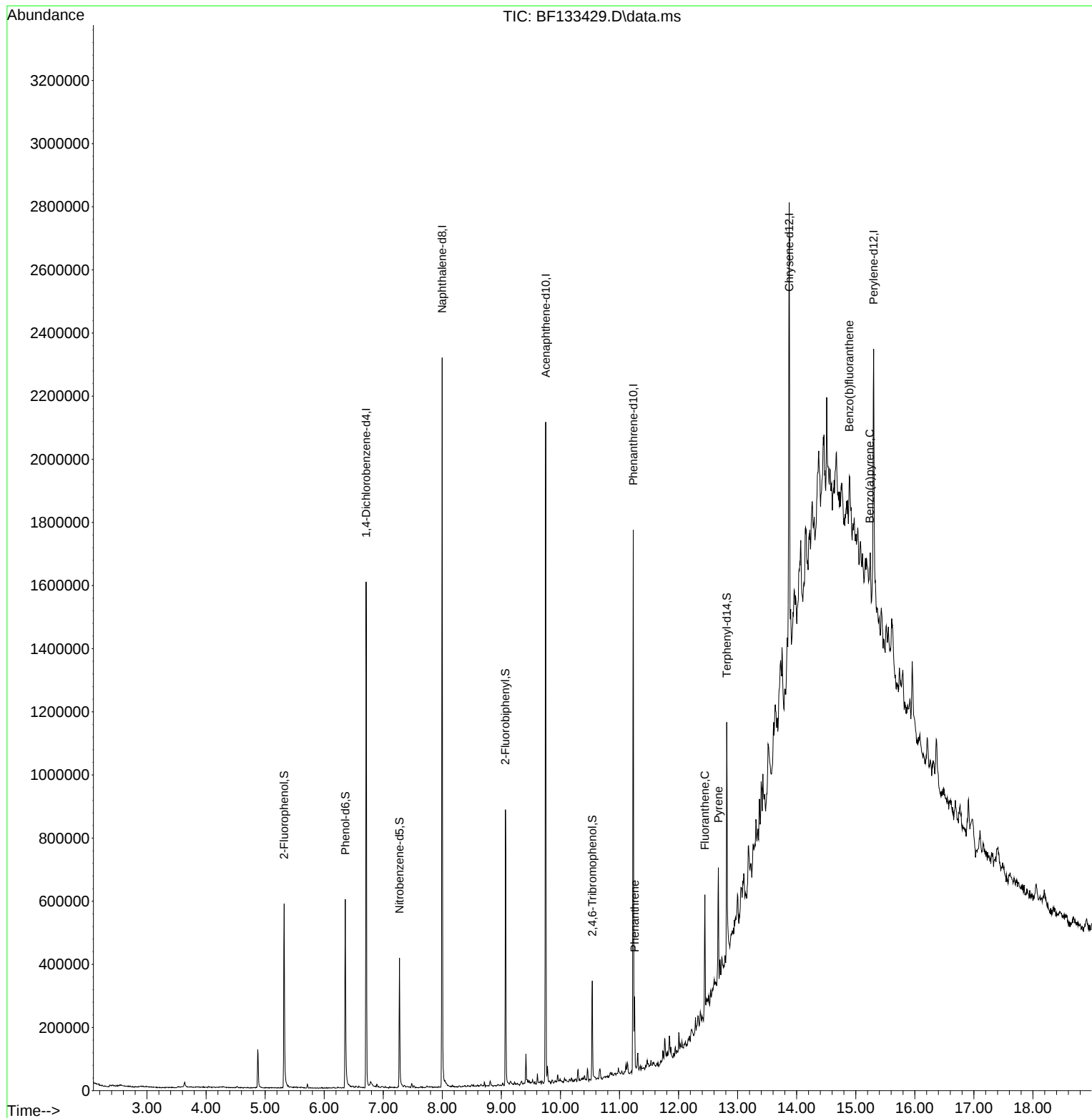
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133429.D
Acq On : 17 May 2023 23:27
Operator : CG\JU
Sample : 02810-01 5X
Misc :
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Instrument :
BNA_F
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OR-02-051623

Quant Time: May 18 04:07:27 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

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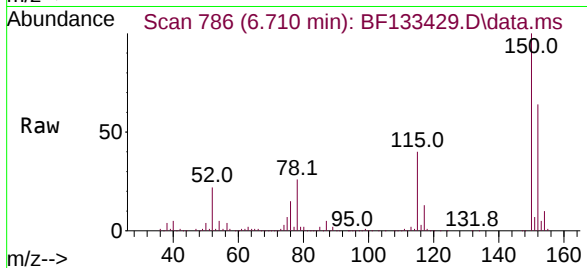
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

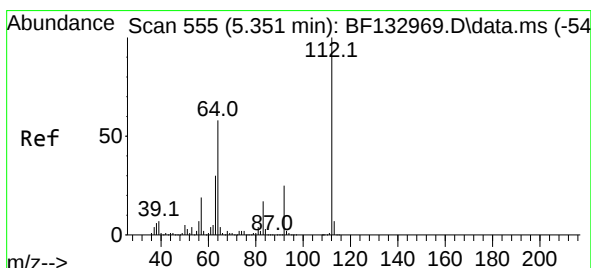
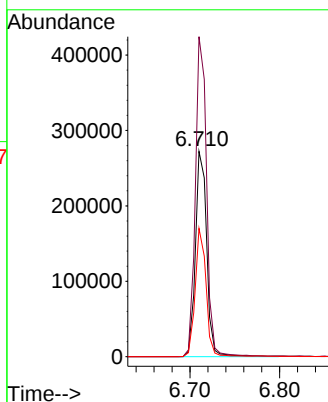
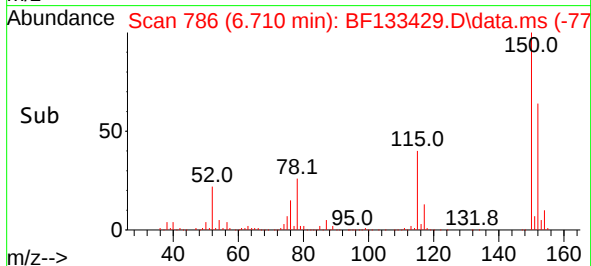
Instrument :
BNA_F
ClientSampleId :
OR-02-051623



Tgt Ion:152 Resp: 23869
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 62.5 49.9 74.9

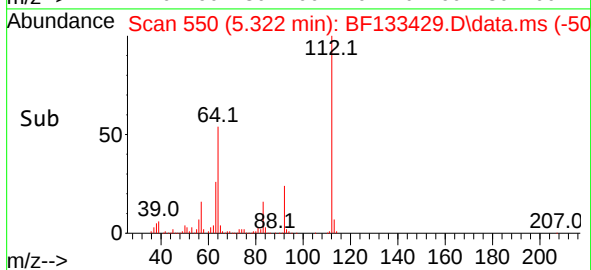
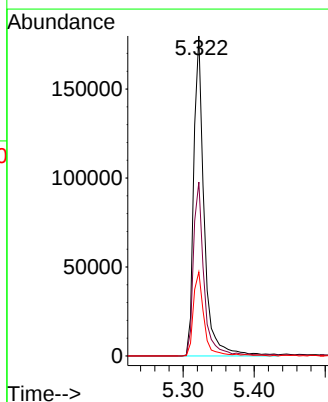
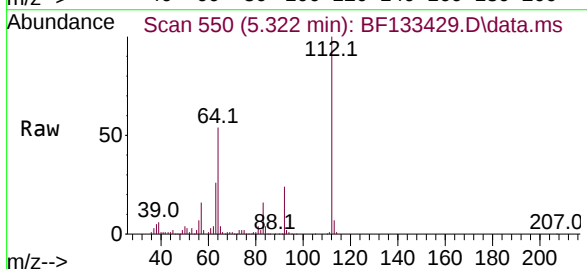
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/18/2023
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#5
2-Fluorophenol
Concen: 11.690 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

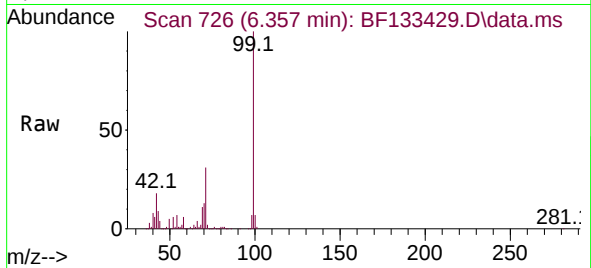
Tgt Ion:112 Resp: 184716
Ion Ratio Lower Upper
112 100
64 54.4 46.8 70.2
63 26.2 23.8 35.8





#7
Phenol-d6
Concen: 11.403 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

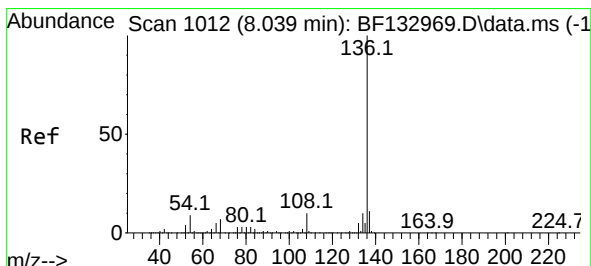
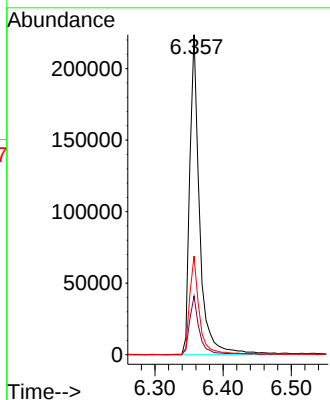
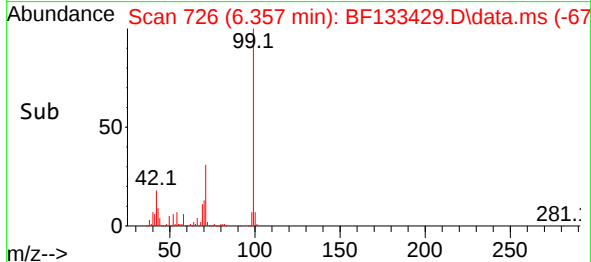
Instrument :
BNA_F
ClientSampleId :
OR-02-051623



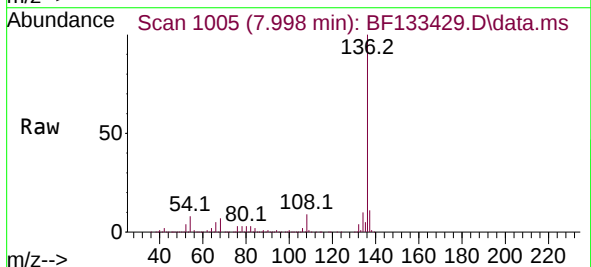
Tgt Ion: 99 Resp: 223640
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 30.8 25.6 38.4

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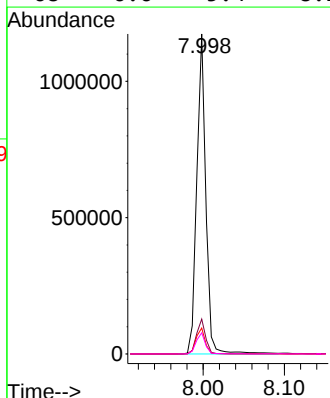
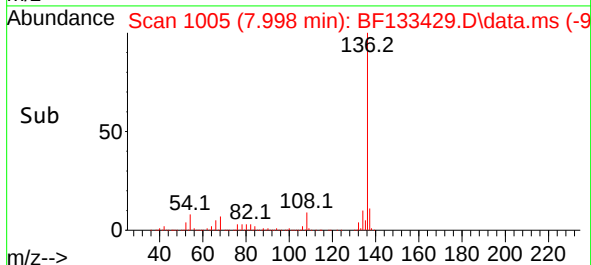
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023

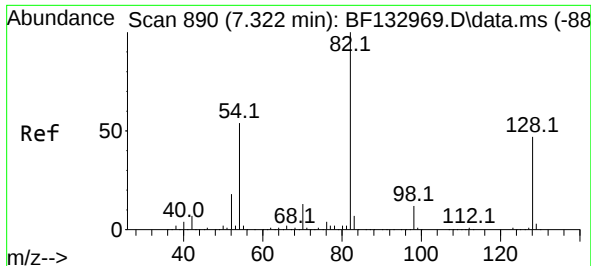


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27



Tgt Ion:136 Resp: 916703
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 7.0 10.4
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 7.402 ng

RT: 7.275 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF133429.D

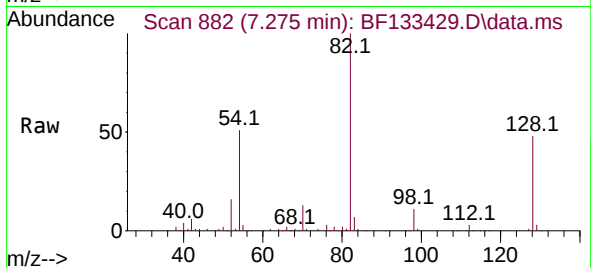
Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

OR-02-051623



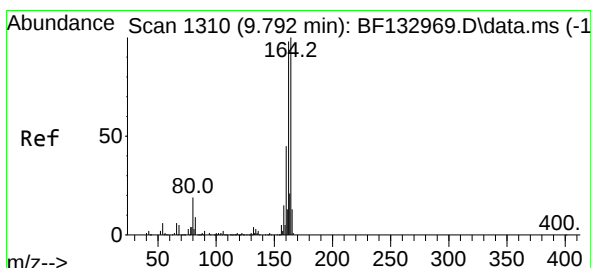
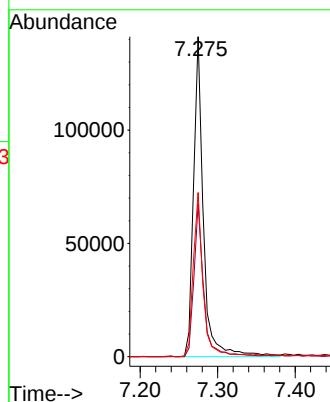
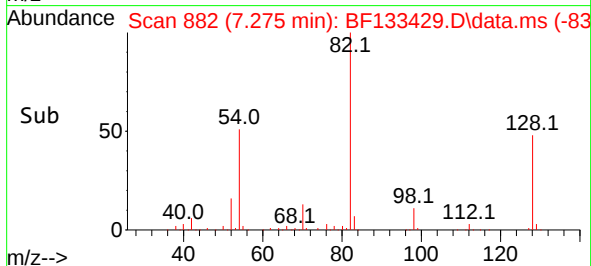
Tgt Ion: 82 Resp: 125710

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	51.3	43.0	64.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/18/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

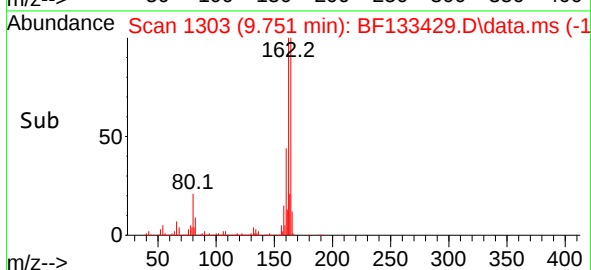
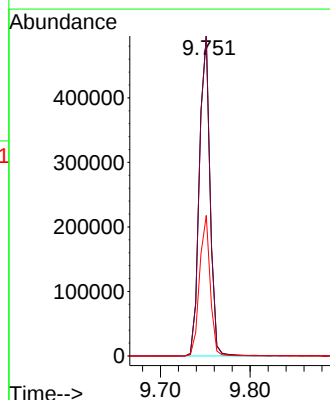
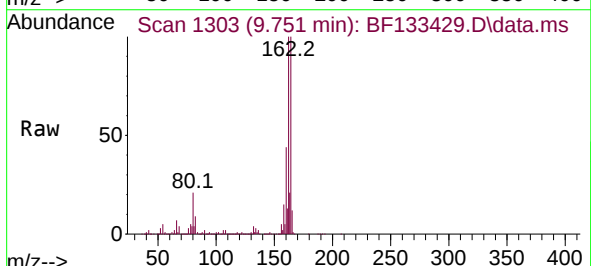
Delta R.T. -0.012 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

Tgt Ion:164 Resp: 409161

Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.7	118.1
160	43.9	35.8	53.6





#42
 2,4,6-Tribromophenol
 Concen: 9.112 ng
 RT: 10.539 min Scan# 1444
 Delta R.T. -0.012 min
 Lab File: BF133429.D
 Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

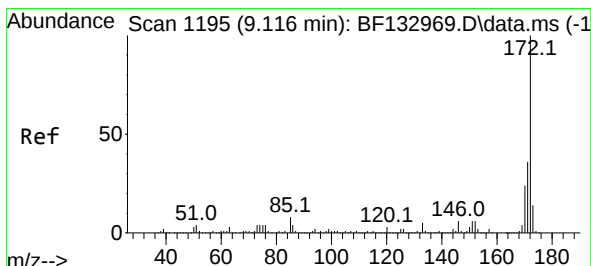
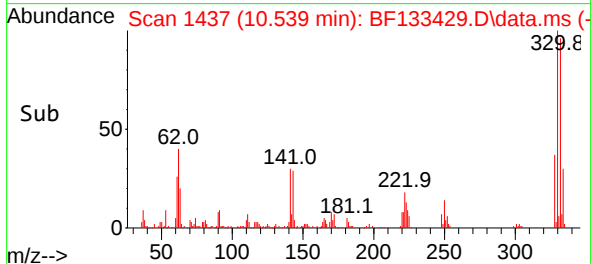
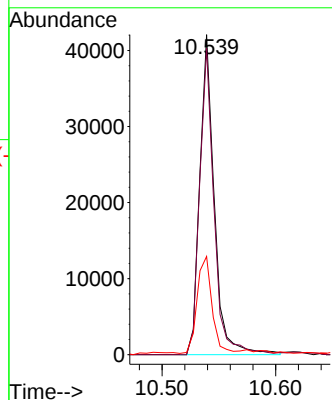
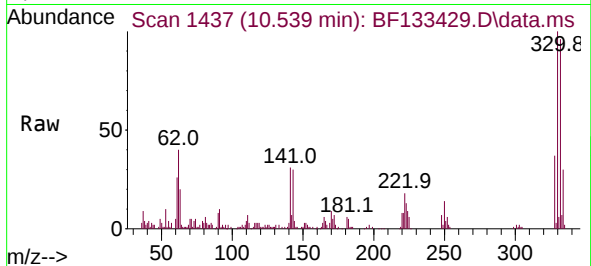
OR-02-051623

Tgt Ion: 330 Resp: 37494
 Ion Ratio Lower Upper
 330 100
 332 94.5 77.1 115.7
 141 31.3 25.8 38.8

Manual Integrations

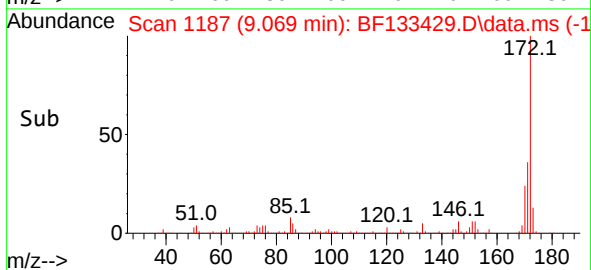
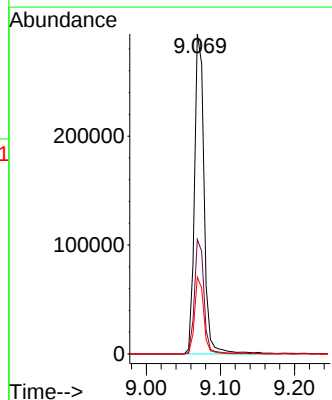
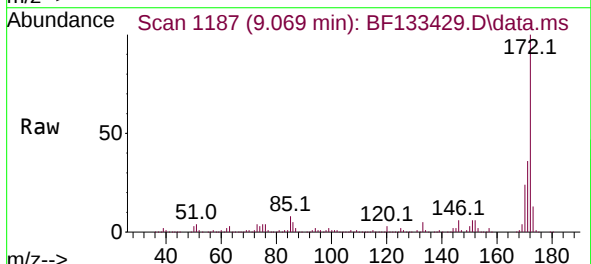
APPROVED

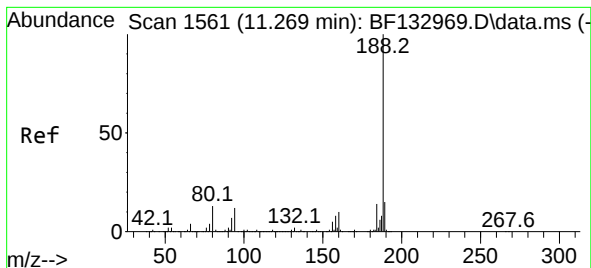
Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023



#45
 2-Fluorobiphenyl
 Concen: 10.874 ng
 RT: 9.069 min Scan# 1187
 Delta R.T. -0.018 min
 Lab File: BF133429.D
 Acq: 17 May 2023 23:27

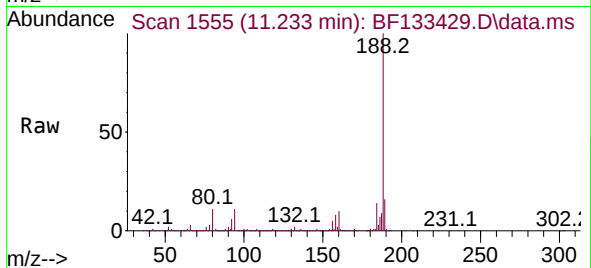
Tgt Ion: 172 Resp: 265949
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.8 43.2
 170 24.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

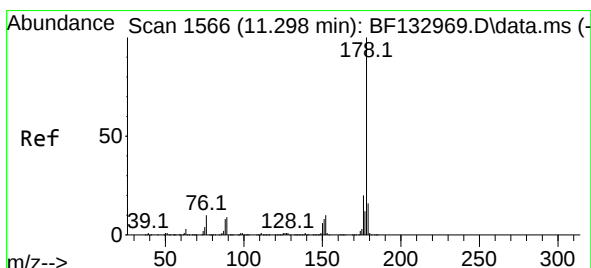
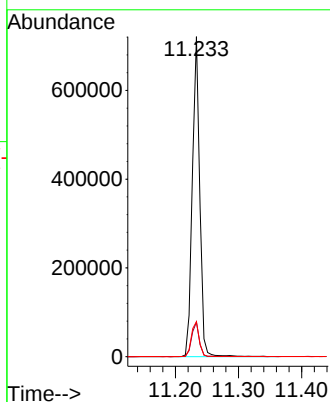
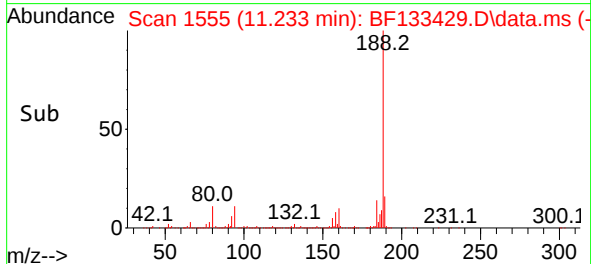
Instrument :
BNA_F
ClientSampleId :
OR-02-051623



Tgt Ion:188 Resp: 590745
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.0 10.4 15.6

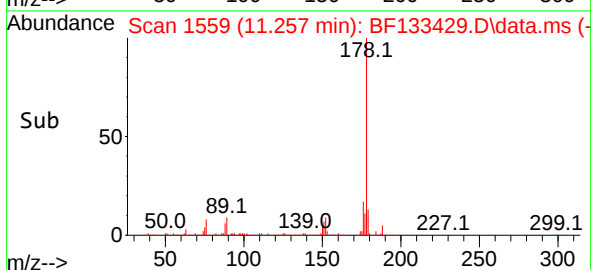
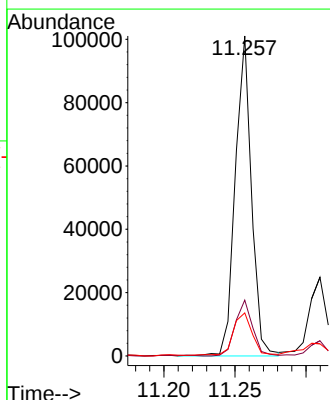
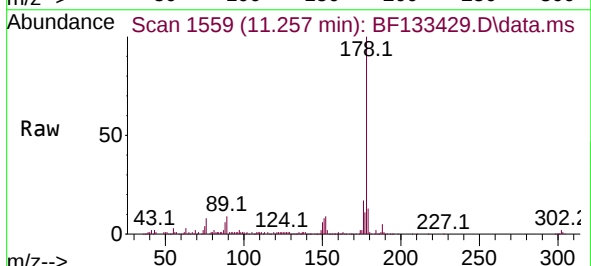
Manual Integrations
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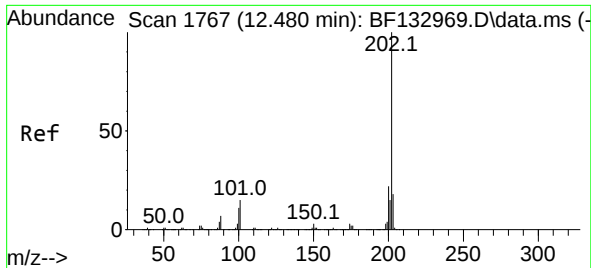
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#71
Phenanthrene
Concen: 2.526 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion:178 Resp: 80197
Ion Ratio Lower Upper
178 100
176 17.4 15.9 23.9
179 13.5 12.5 18.7





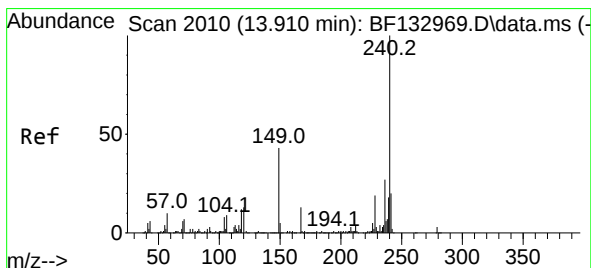
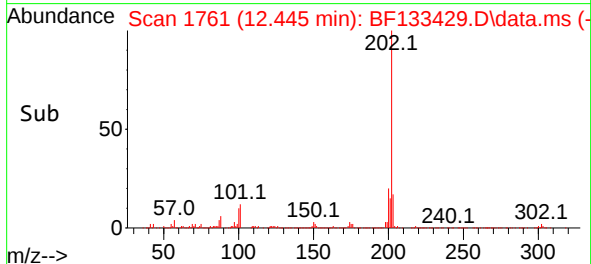
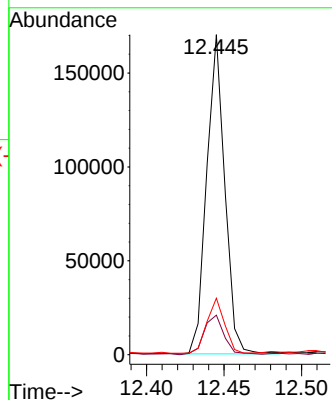
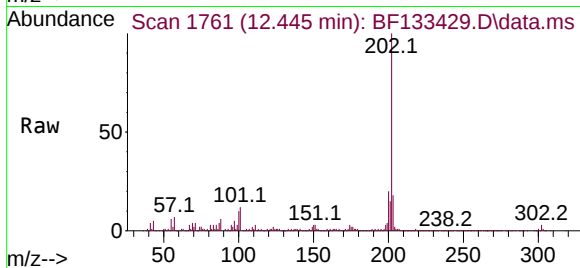
#75
Fluoranthene
Concen: 4.330 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Instrument :
BNA_F
ClientSampleId :
OR-02-051623

Tgt Ion:202 Resp: 137992
Ion Ratio Lower Upper
202 100
101 12.4 0.0 35.3
203 17.7 0.0 38.1

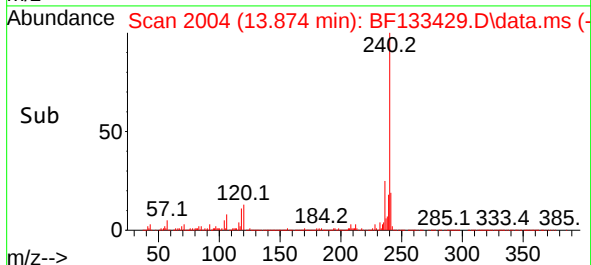
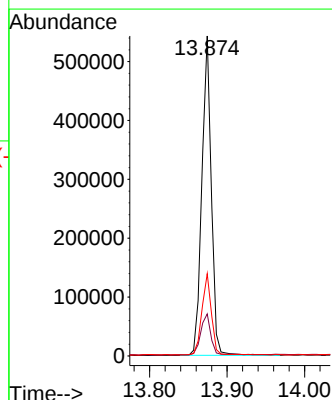
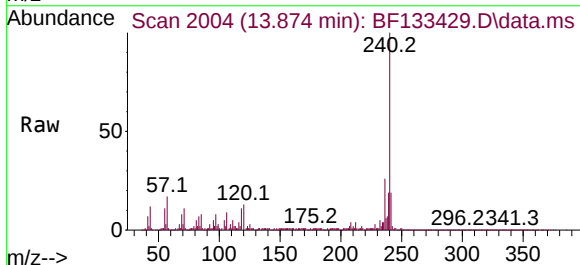
Manual Integrations
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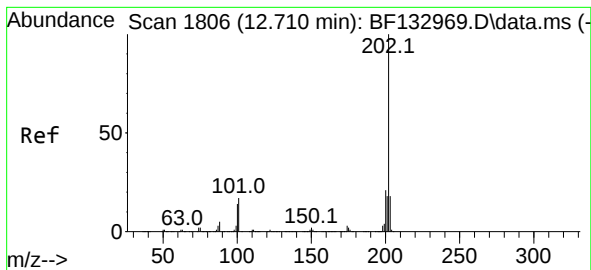
Reviewed By :Christian Giraldo 05/18/2023
Supervised By :Jagrut Upadhyay 05/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion:240 Resp: 460261
Ion Ratio Lower Upper
240 100
120 13.1 10.5 15.7
236 25.7 21.5 32.3





#78

Pyrene

Concen: 3.426 ng

RT: 12.674 min Scan# 1806

Delta R.T. -0.012 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

OR-02-051623

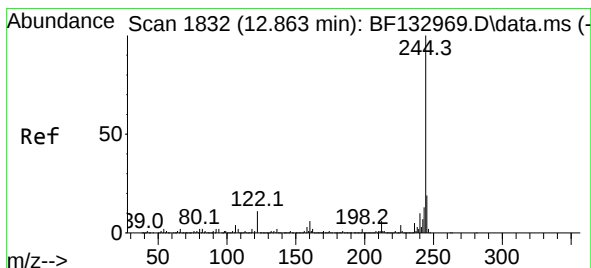
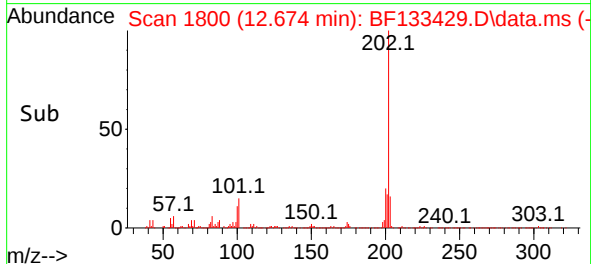
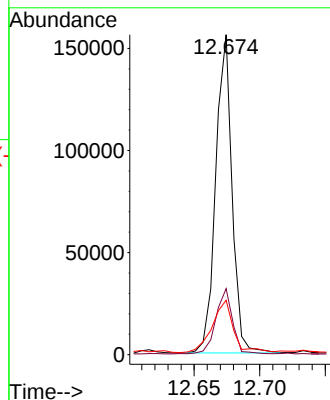
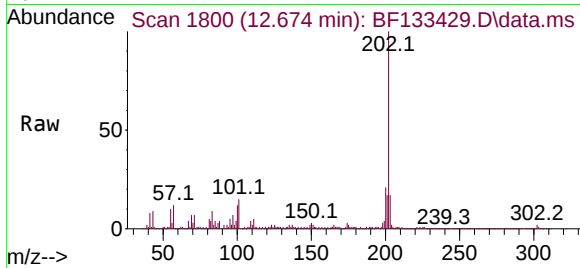
Tgt Ion:	202	Resp:	135158
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.1	25.7
203	17.0	14.1	21.1

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#79

Terphenyl-d14

Concen: 8.689 ng

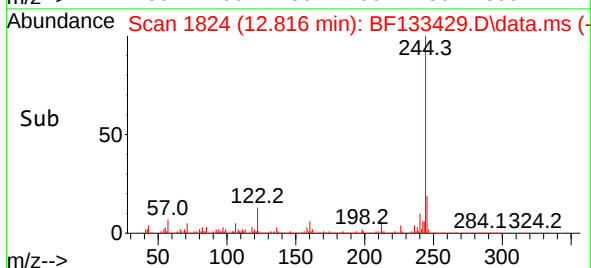
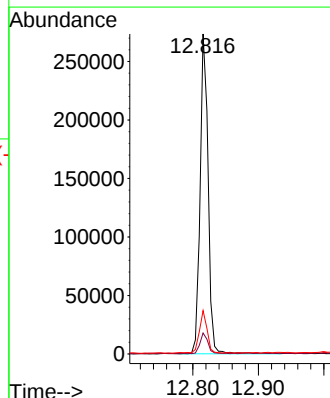
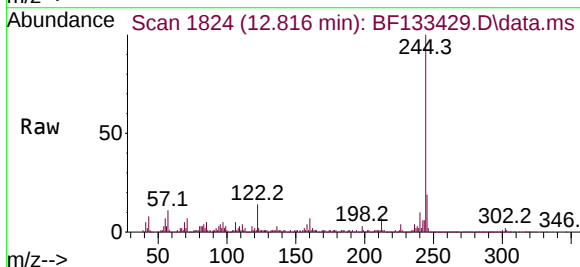
RT: 12.816 min Scan# 1824

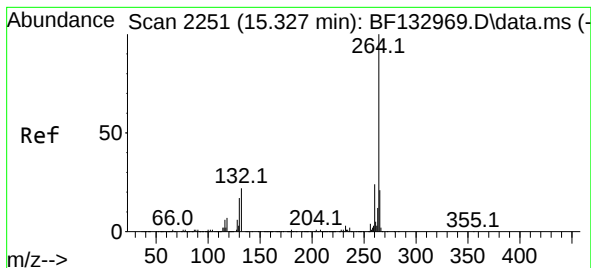
Delta R.T. -0.018 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

Tgt Ion:	244	Resp:	231884
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.1	7.7
122	13.6	8.6	13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

OR-02-051623

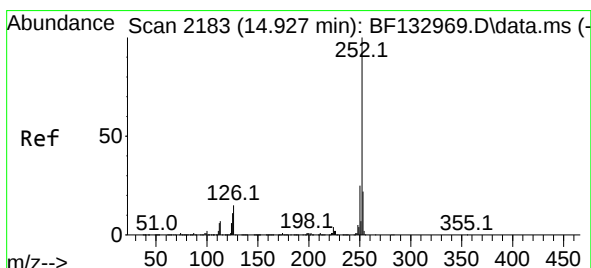
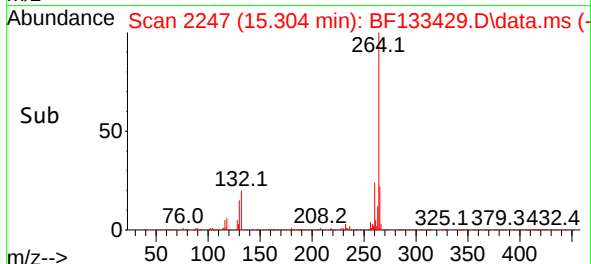
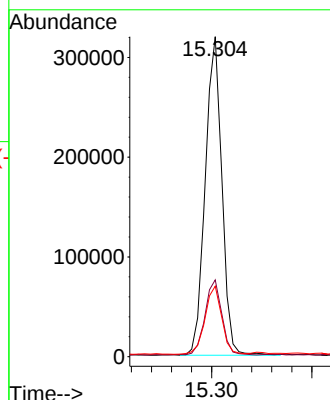
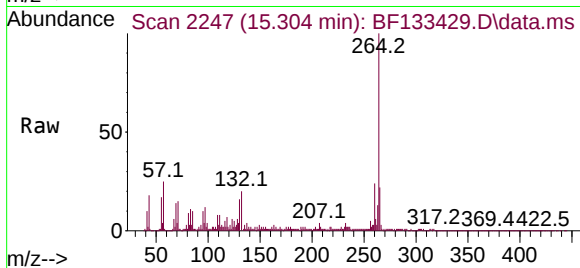
Tgt Ion:	264	Resp:	36945
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.8	28.2
265	22.1	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/18/2023

Supervised By :Jagrut Upadhyay 05/18/2023



#88

Benzo(b)fluoranthene

Concen: 2.619 ng m

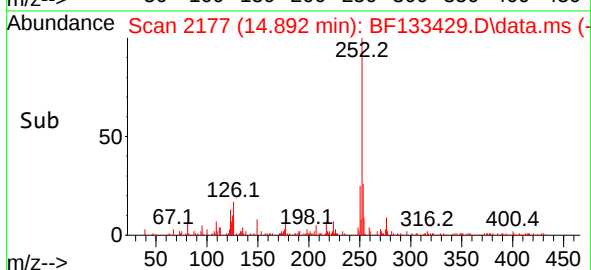
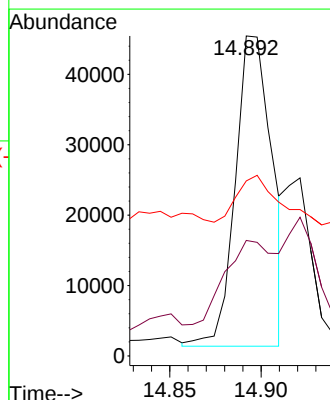
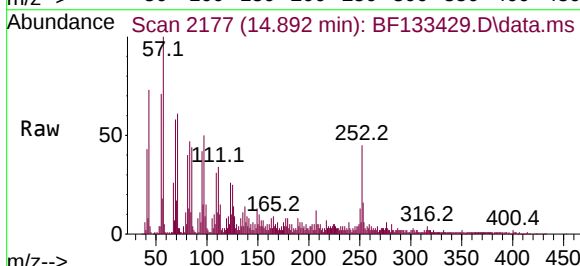
RT: 14.892 min Scan# 2177

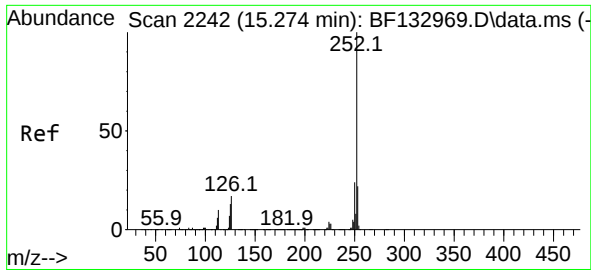
Delta R.T. -0.006 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

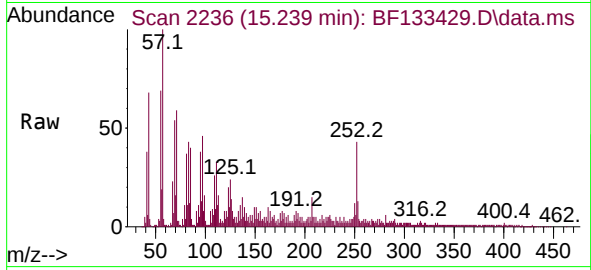
Tgt Ion:	252	Resp:	61558
Ion Ratio	Lower	Upper	
252	100		
253	36.1	17.6	26.4#
125	54.7	8.9	13.3#





#90
Benzo(a)pyrene
Concen: 2.006 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Instrument :
BNA_F
ClientSampleId :
OR-02-051623



Tgt Ion:252 Resp: 42918
Ion Ratio Lower Upper
252 100
253 29.5 17.7 26.5
125 56.6 10.5 15.7

Manual Integrations
APPROVED

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

