

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0222323\
 Data File : BF132530.D
 Acq On : 23 Feb 2023 20:24
 Operator : CG\JU
 Sample : 01659-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QAQC-COMP-2

Manual Integrations
 APPROVED

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

Quant Time: Feb 24 00:40:19 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	154659	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	573616	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	293104	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	458920	20.000	ng	0.00
76) Chrysene-d12	14.207	240	287530	20.000	ng	-0.01
86) Perylene-d12	15.760	264	317697	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	967619	101.541	ng	0.00
7) Phenol-d6	6.637	99	1215933	97.770	ng	0.00
23) Nitrobenzene-d5	7.572	82	807714	66.807	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	272305	86.025	ng	-0.01
45) 2-Fluorobiphenyl	9.372	172	1304033	67.744	ng	0.00
79) Terphenyl-d14	13.136	244	1006559	59.188	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.572	178	227891	9.586	ng	97
75) Fluoranthene	12.771	202	290745	11.187	ng	98
78) Pyrene	13.001	202	261136	9.989	ng	98
81) Benzo(a)anthracene	14.195	228	133803	6.219	ng	96
83) Chrysene	14.230	228	117061	5.819	ng	96
88) Benzo(b)fluoranthene	15.295	252	163722m	7.690	ng	
90) Benzo(a)pyrene	15.689	252	108139	5.427	ng	97
92) Benzo(g,h,i)perylene	17.842	276	52112	4.242	ng	97

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

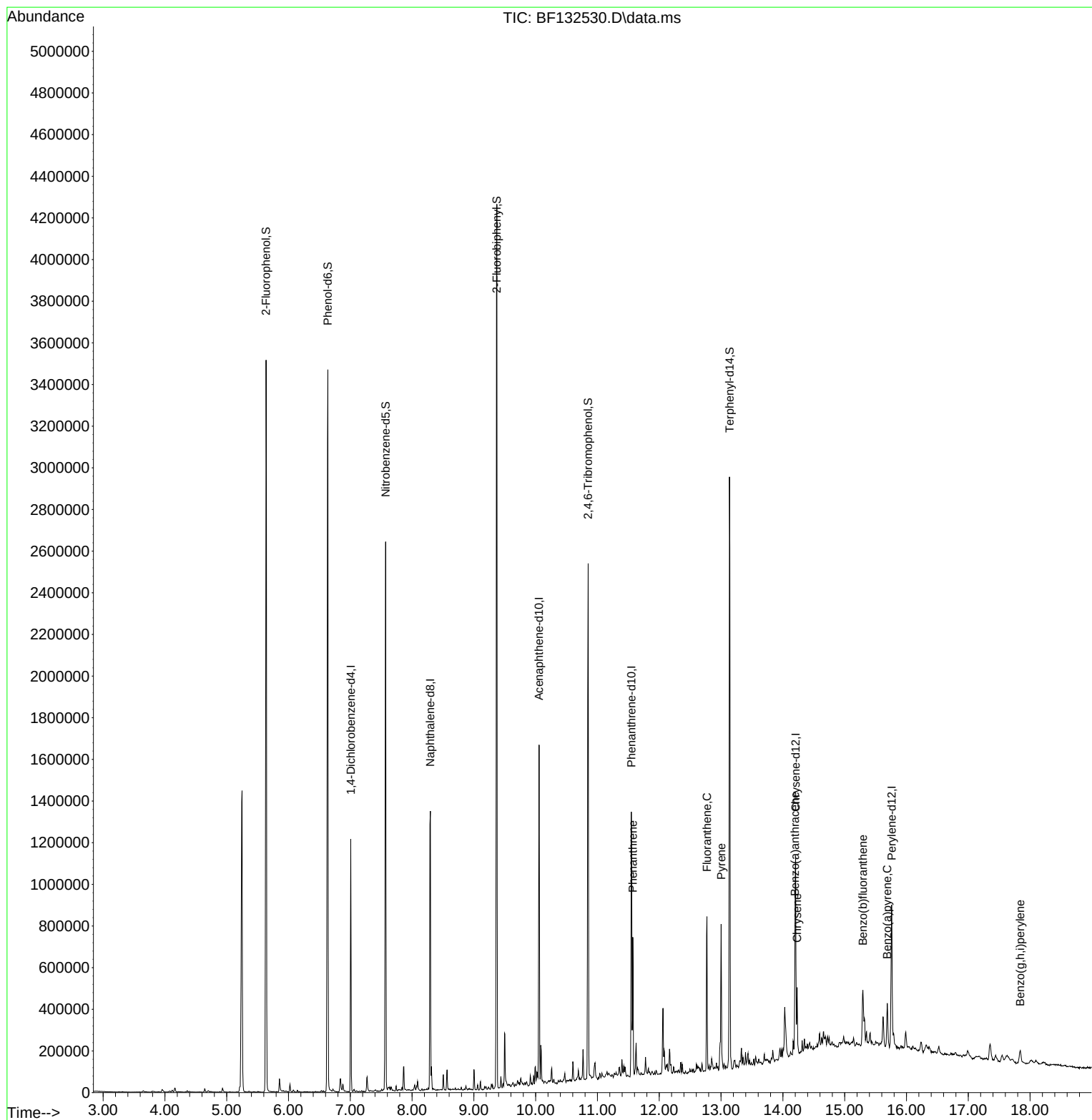
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
Data File : BF132530.D
Acq On : 23 Feb 2023 20:24
Operator : CG\JU
Sample : 01659-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

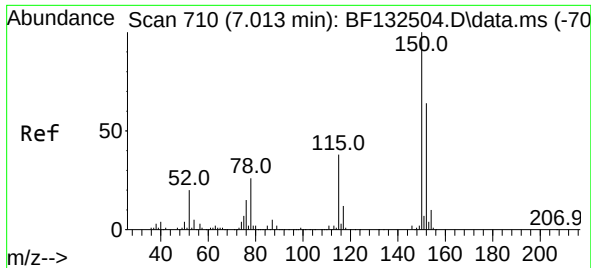
Instrument :
BNA_F
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QAQC-COMP-2

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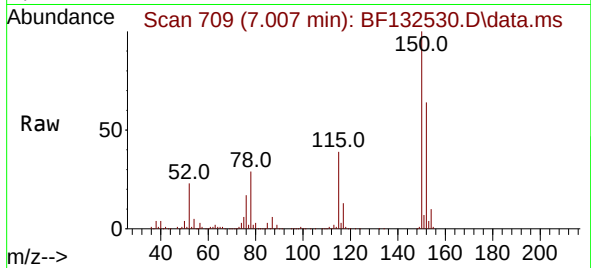
Quant Time: Feb 24 00:40:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 00:59:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

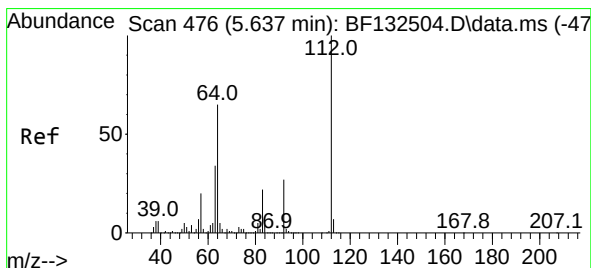
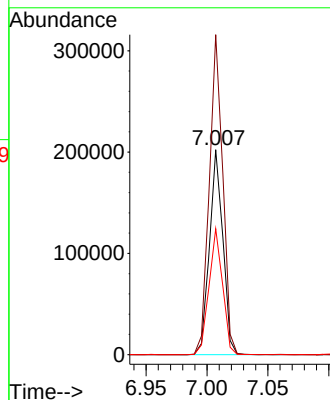
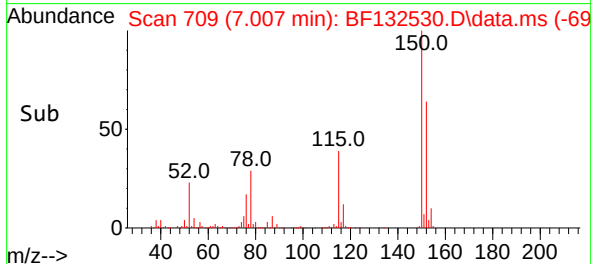
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2



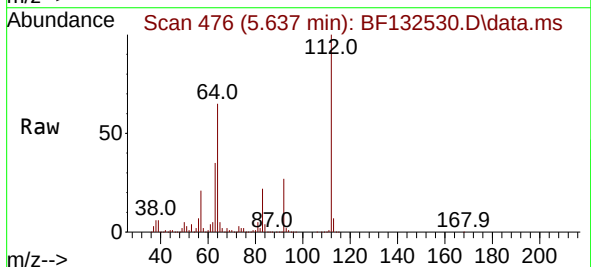
Tgt Ion:152 Resp: 154659
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 61.5 47.8 71.6

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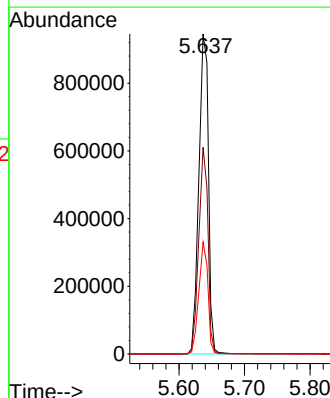
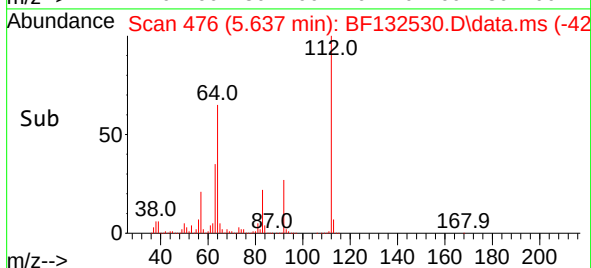
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

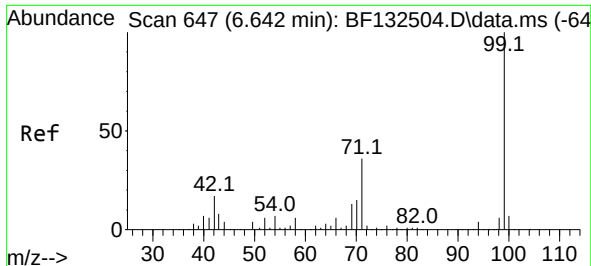


#5
2-Fluorophenol
Concen: 101.541 ng
RT: 5.637 min Scan# 476
Delta R.T. 0.000 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24



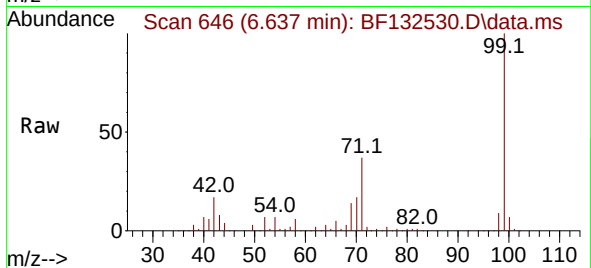
Tgt Ion:112 Resp: 967619
Ion Ratio Lower Upper
112 100
64 64.6 51.6 77.4
63 34.9 27.4 41.2





#7
Phenol-d6
Concen: 97.770 ng
RT: 6.637 min Scan# 647
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

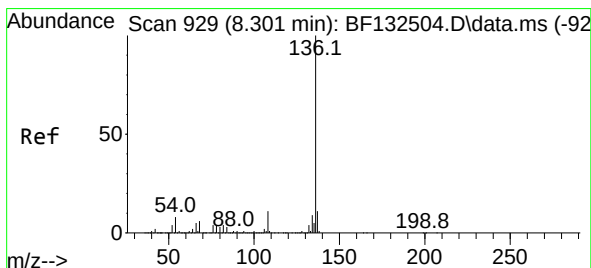
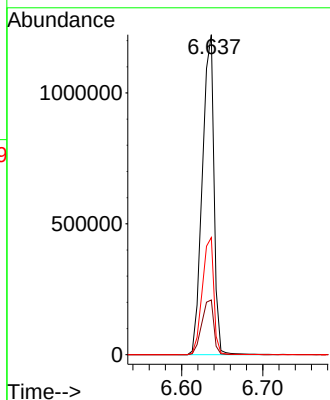
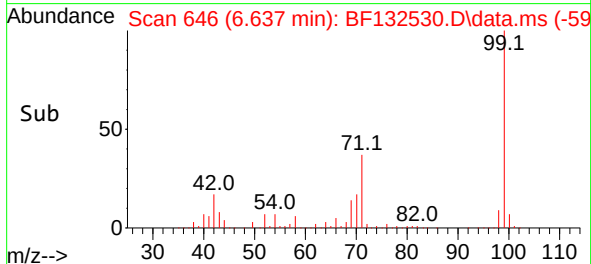
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2



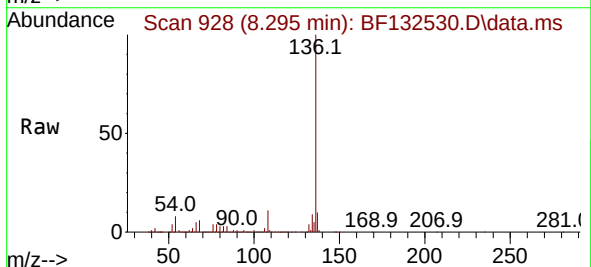
Tgt Ion: 99 Resp: 121593
Ion Ratio Lower Upper
99 100
42 17.1 13.9 20.9
71 36.6 28.5 42.7

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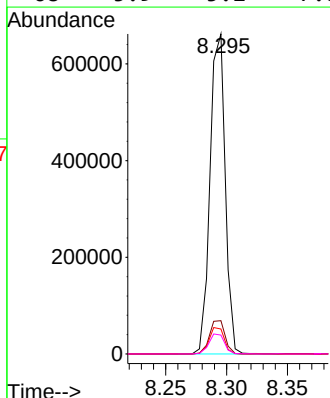
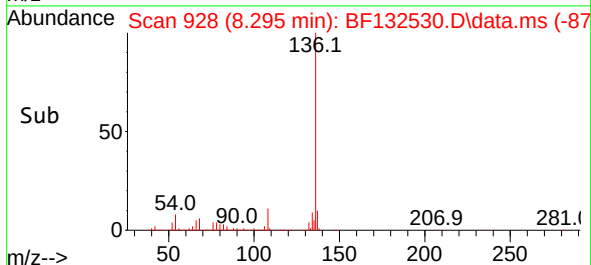
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

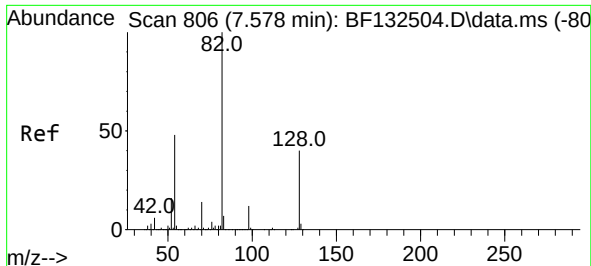


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24



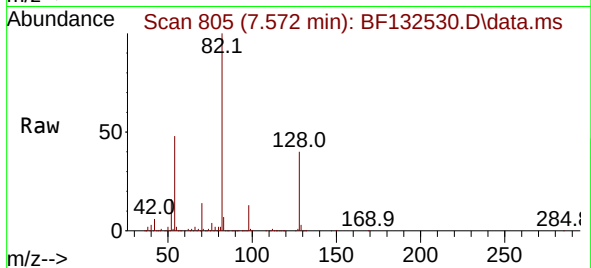
Tgt Ion:136 Resp: 573616
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.8 6.2 9.4
68 5.9 5.2 7.8





#23
Nitrobenzene-d5
Concen: 66.807 ng
RT: 7.572 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

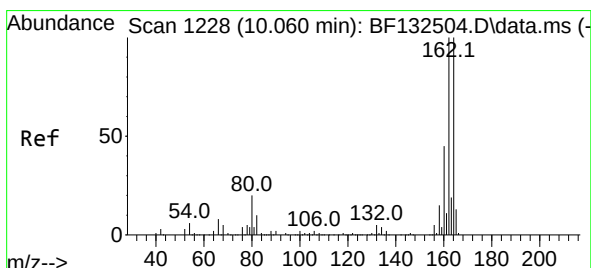
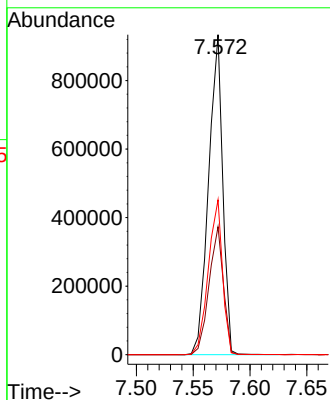
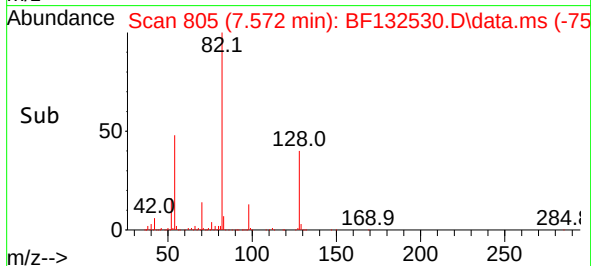
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 807714
Ion Ratio Lower Upper
82 100
128 40.0 32.2 48.2
54 48.4 38.4 57.6

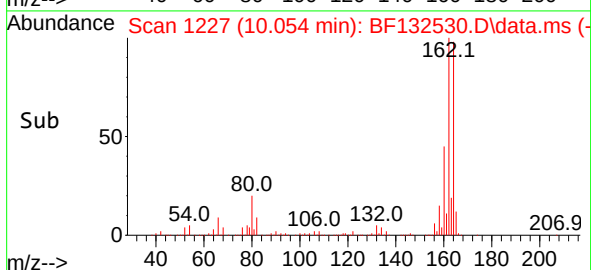
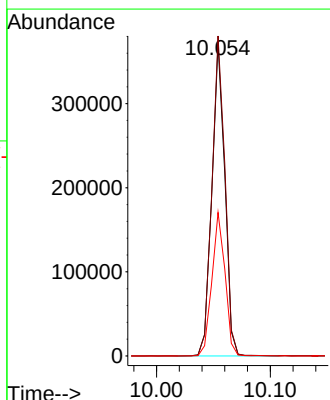
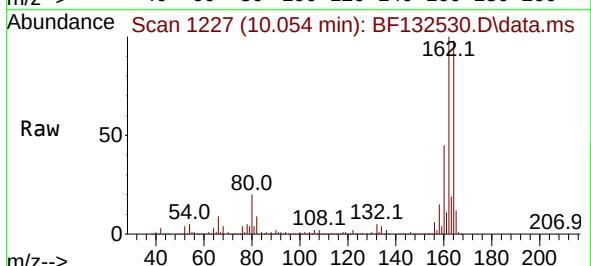
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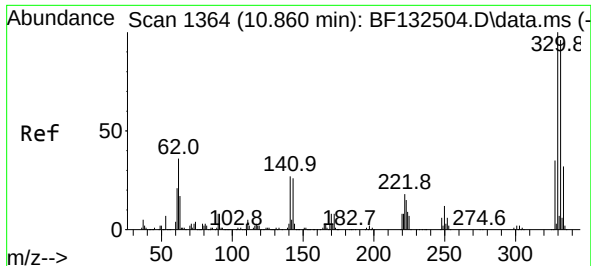
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Tgt Ion:164 Resp: 293104
Ion Ratio Lower Upper
164 100
162 102.4 79.8 119.8
160 45.9 35.8 53.6





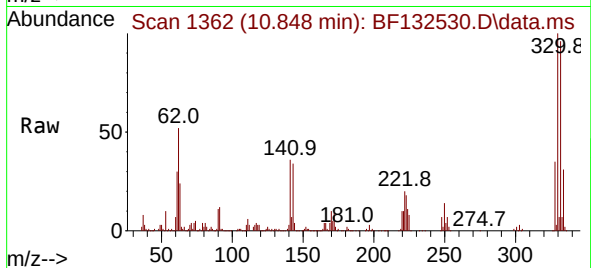
#42
2,4,6-Tribromophenol
Concen: 86.025 ng
RT: 10.848 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-2

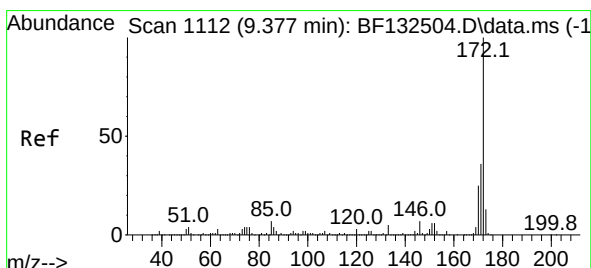
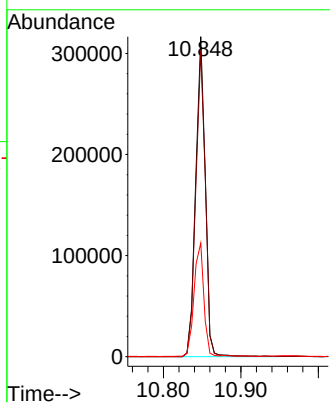
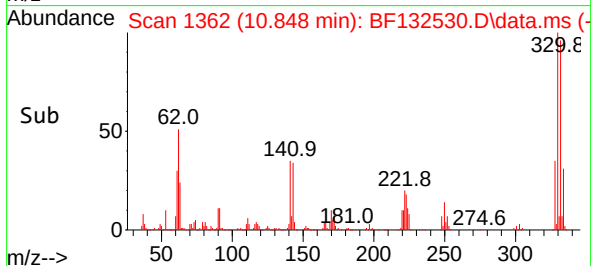


Tgt Ion: 330 Resp: 272305
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 36.4 28.4 42.6

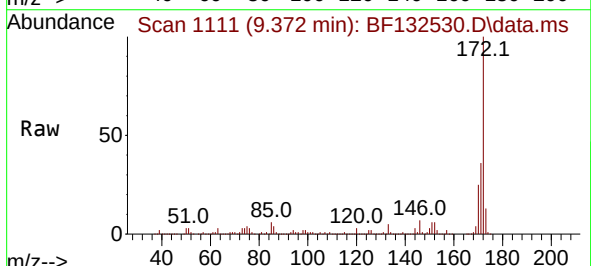
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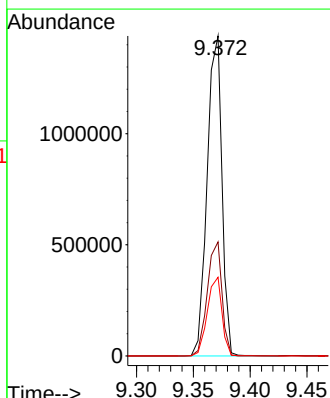
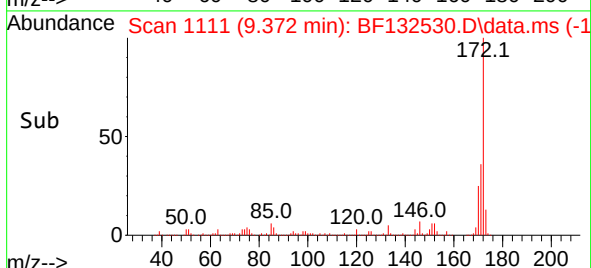
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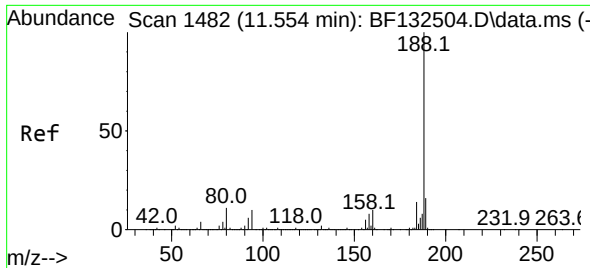


#45
2-Fluorobiphenyl
Concen: 67.744 ng
RT: 9.372 min Scan# 1111
Delta R.T. -0.005 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24



Tgt Ion: 172 Resp: 1304033
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.6 19.7 29.5





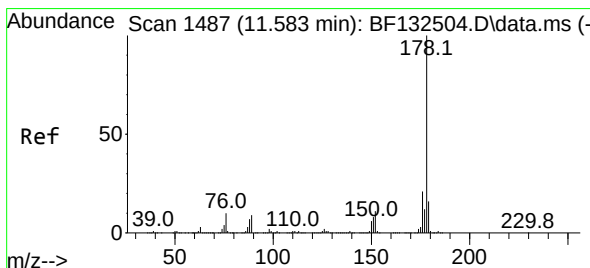
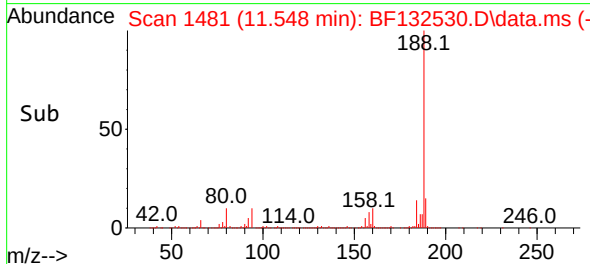
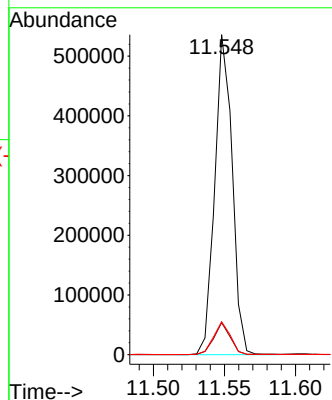
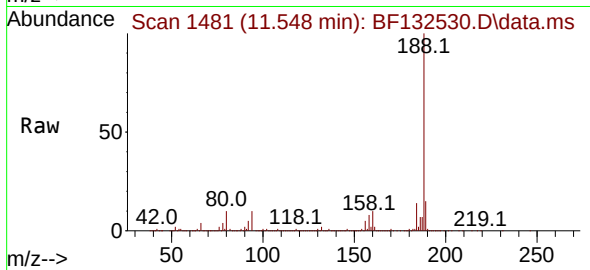
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

Tgt Ion:188 Resp: 458920
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.3 8.7 13.1

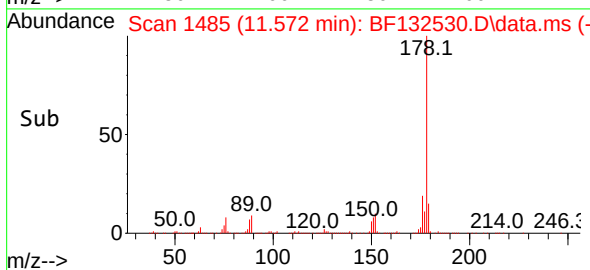
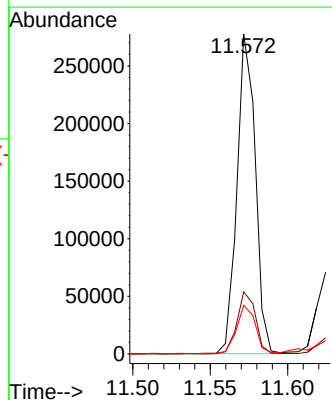
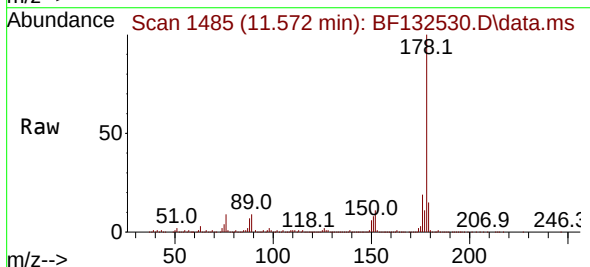
Manual Integrations
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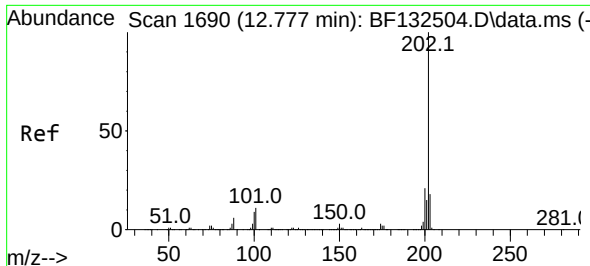
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#71
Phenanthrene
Concen: 9.586 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

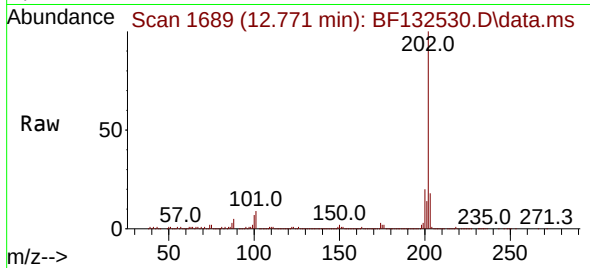
Tgt Ion:178 Resp: 227891
Ion Ratio Lower Upper
178 100
176 19.4 16.5 24.7
179 15.2 13.0 19.6





#75
Fluoranthene
Concen: 11.187 ng
RT: 12.771 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

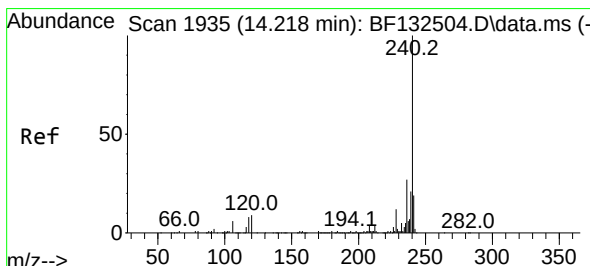
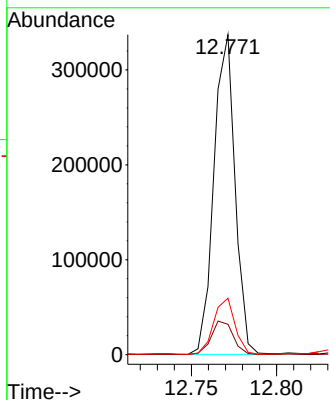
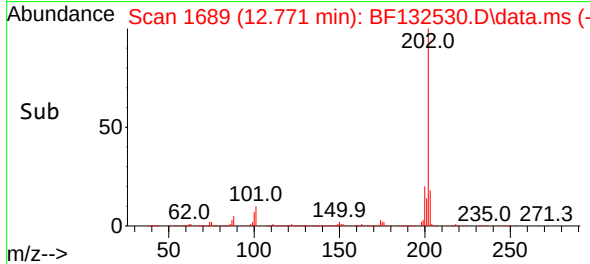
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2



Tgt Ion:202 Resp: 290745
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 17.7 0.0 38.0

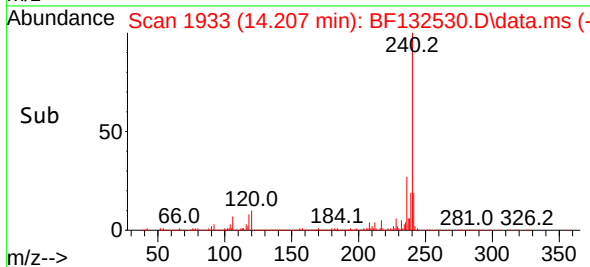
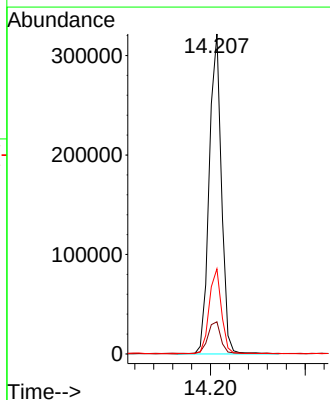
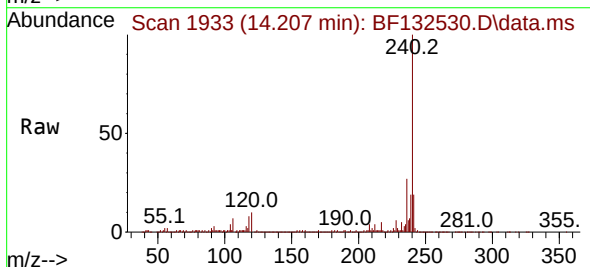
Manual Integrations
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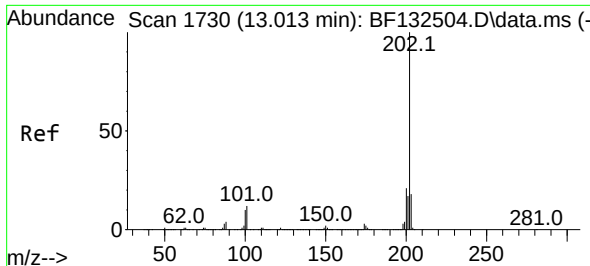
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

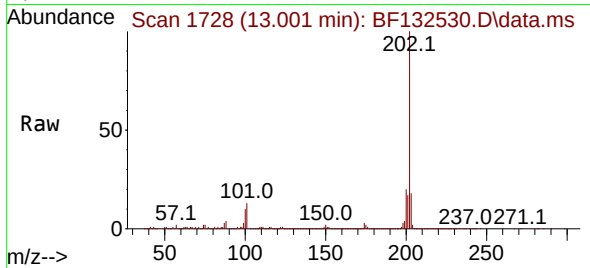
Tgt Ion:240 Resp: 287530
Ion Ratio Lower Upper
240 100
120 10.1 7.2 10.8
236 26.6 21.8 32.6





#78
Pyrene
Concen: 9.989 ng
RT: 13.001 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

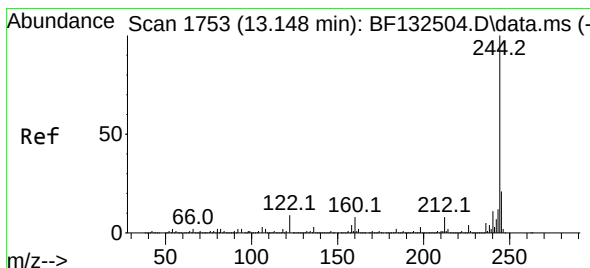
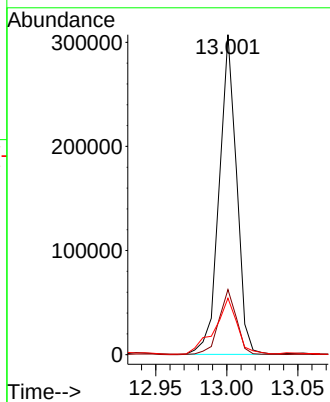
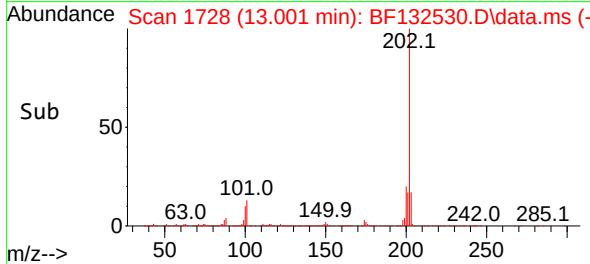
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2



Tgt Ion:202 Resp: 261130
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 17.7 14.6 21.8

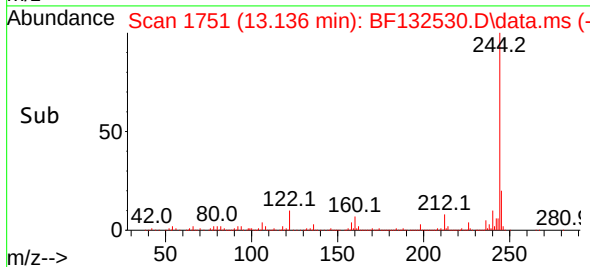
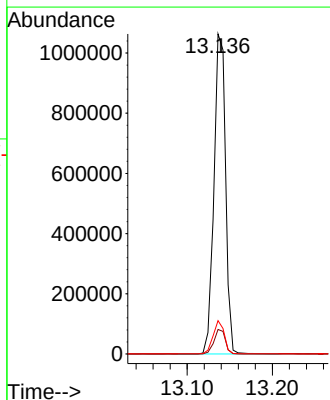
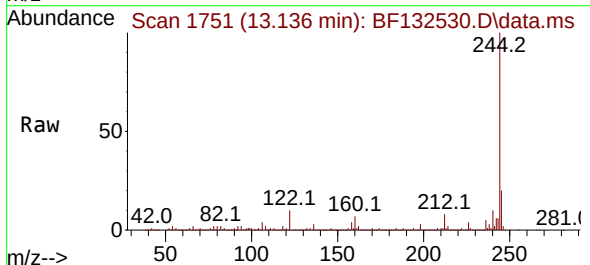
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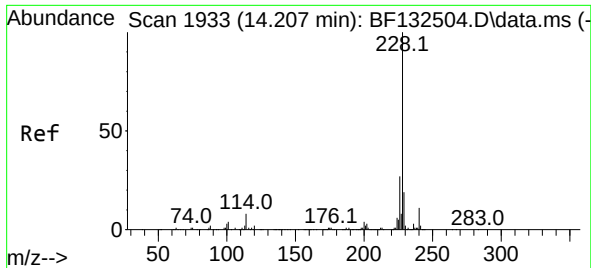
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#79
Terphenyl-d14
Concen: 59.188 ng
RT: 13.136 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Tgt Ion:244 Resp: 1006559
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 10.4 7.5 11.3





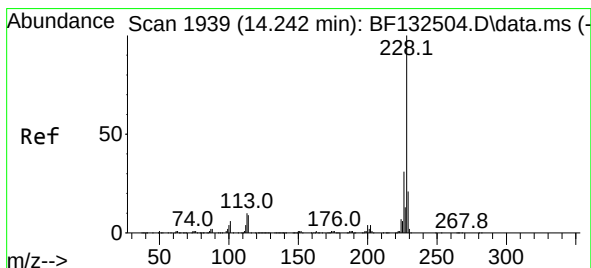
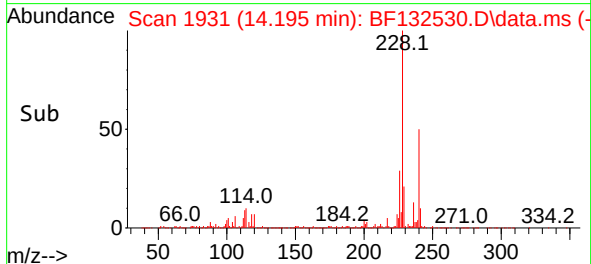
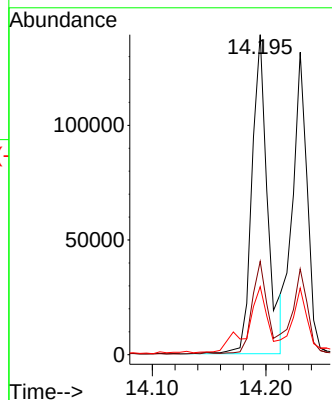
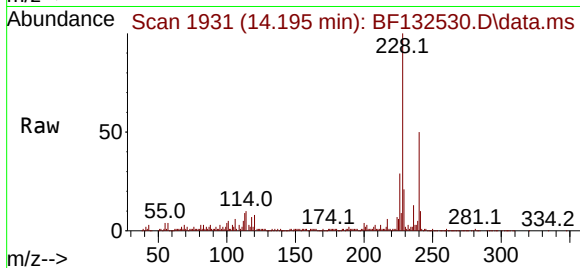
#81
Benzo(a)anthracene
Concen: 6.219 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

Tgt Ion:228 Resp: 13380
Ion Ratio Lower Upper
228 100
226 29.2 21.7 32.5
229 21.3 15.4 23.2

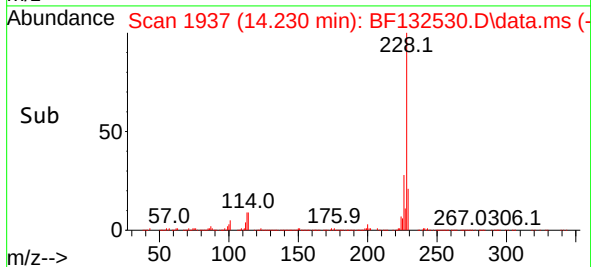
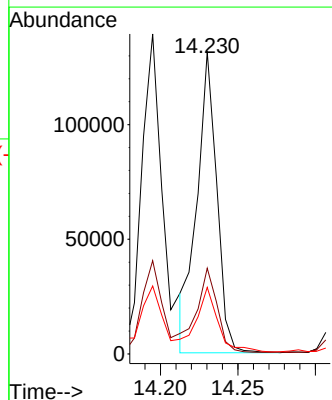
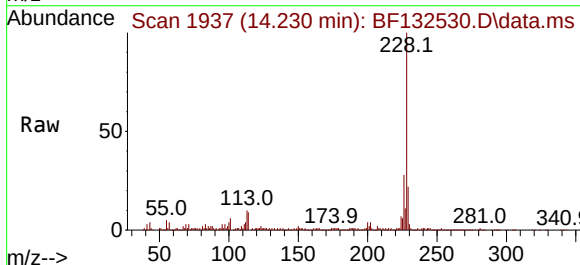
Manual Integrations
APPROVED

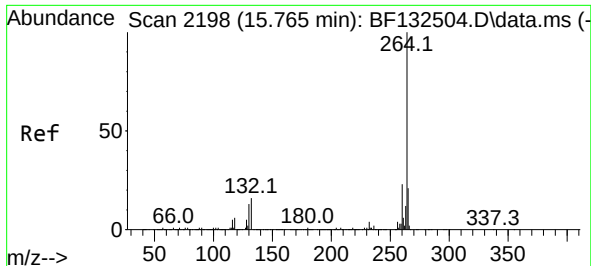
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#83
Chrysene
Concen: 5.819 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

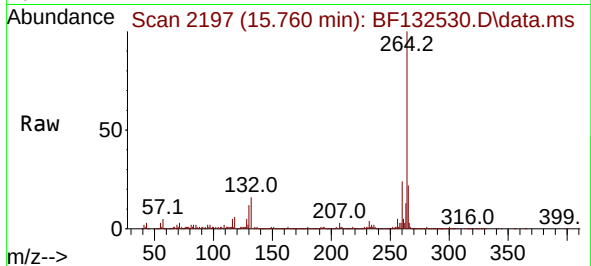
Tgt Ion:228 Resp: 117061
Ion Ratio Lower Upper
228 100
226 28.4 25.0 37.6
229 22.0 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

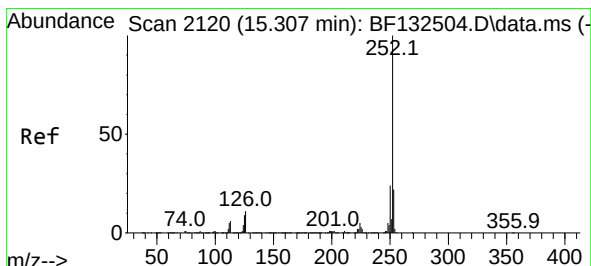
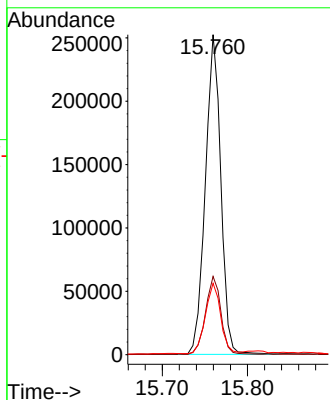
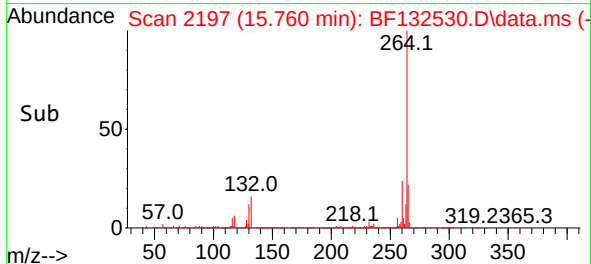
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2



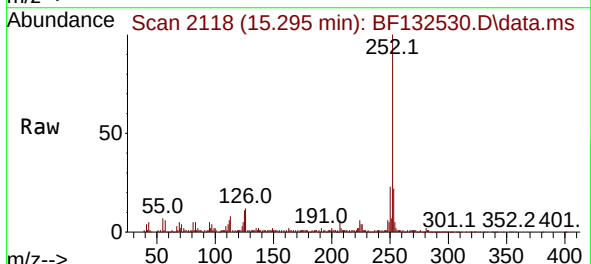
Tgt Ion:264 Resp: 31769
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.3 17.1 25.7

Manual Integrations
APPROVED

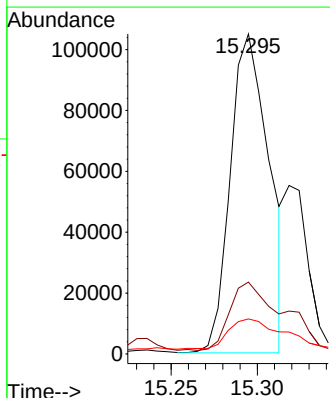
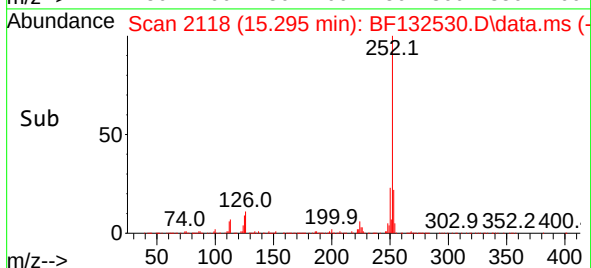
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

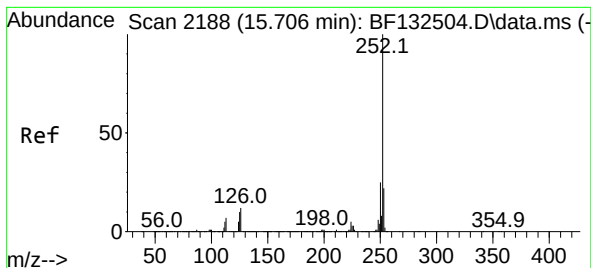


#88
Benzo(b)fluoranthene
Concen: 7.690 ng m
RT: 15.295 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24



Tgt Ion:252 Resp: 163722
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.0 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 5.427 ng

RT: 15.689 min Scan# 2188

Delta R.T. -0.018 min

Lab File: BF132530.D

Acq: 23 Feb 2023 20:24

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-2

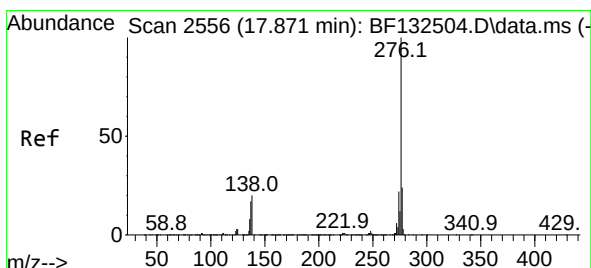
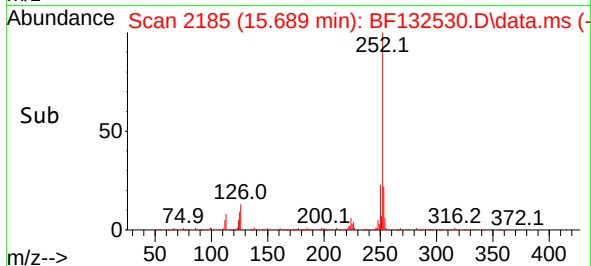
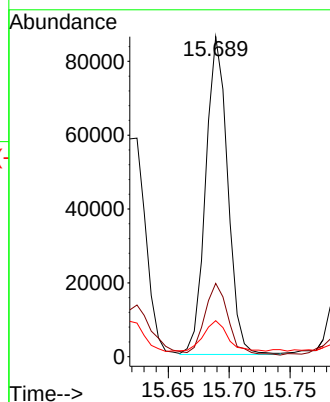
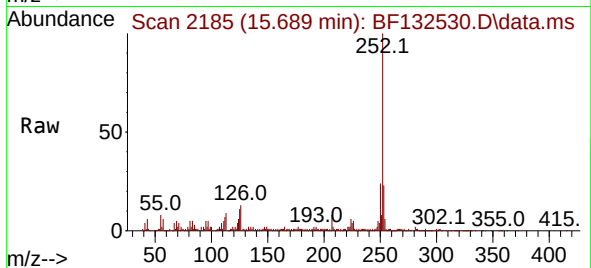
Tgt Ion:	252	Resp:	108139
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	11.3	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/24/2023

Supervised By :Jagrut Upadhyay 02/24/2023



#92

Benzo(g,h,i)perylene

Concen: 4.242 ng

RT: 17.842 min Scan# 2551

Delta R.T. -0.029 min

Lab File: BF132530.D

Acq: 23 Feb 2023 20:24

Tgt Ion:	276	Resp:	52112
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.9	28.3
138	21.1	16.2	24.4

