

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0222323\
 Data File : BF132531.D
 Acq On : 23 Feb 2023 20:56
 Operator : CG\JU
 Sample : 01658-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QAQC-COMP-1

Manual Integrations
 APPROVED

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

Quant Time: Feb 24 00:40:38 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	161210	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	600455	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	308083	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	483672	20.000	ng	0.00
76) Chrysene-d12	14.207	240	305706	20.000	ng	-0.01
86) Perylene-d12	15.760	264	319881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	1020703	102.759	ng	0.00
7) Phenol-d6	6.637	99	1288787	99.417	ng	0.00
23) Nitrobenzene-d5	7.572	82	860306	67.976	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	288779	86.794	ng	-0.01
45) 2-Fluorobiphenyl	9.372	172	1327480	65.609	ng	0.00
79) Terphenyl-d14	13.142	244	1043119	57.691	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.572	178	116148	4.635	ng	96
75) Fluoranthene	12.772	202	190187	6.943	ng	96
78) Pyrene	13.001	202	182977	6.583	ng	99
81) Benzo(a)anthracene	14.195	228	96135	4.203	ng	99
83) Chrysene	14.230	228	84829	3.966	ng	96
88) Benzo(b)fluoranthene	15.295	252	121151m	5.652	ng	
90) Benzo(a)pyrene	15.689	252	82508	4.112	ng	98
92) Benzo(g,h,i)perylene	17.836	276	42233	3.729	ng	93

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

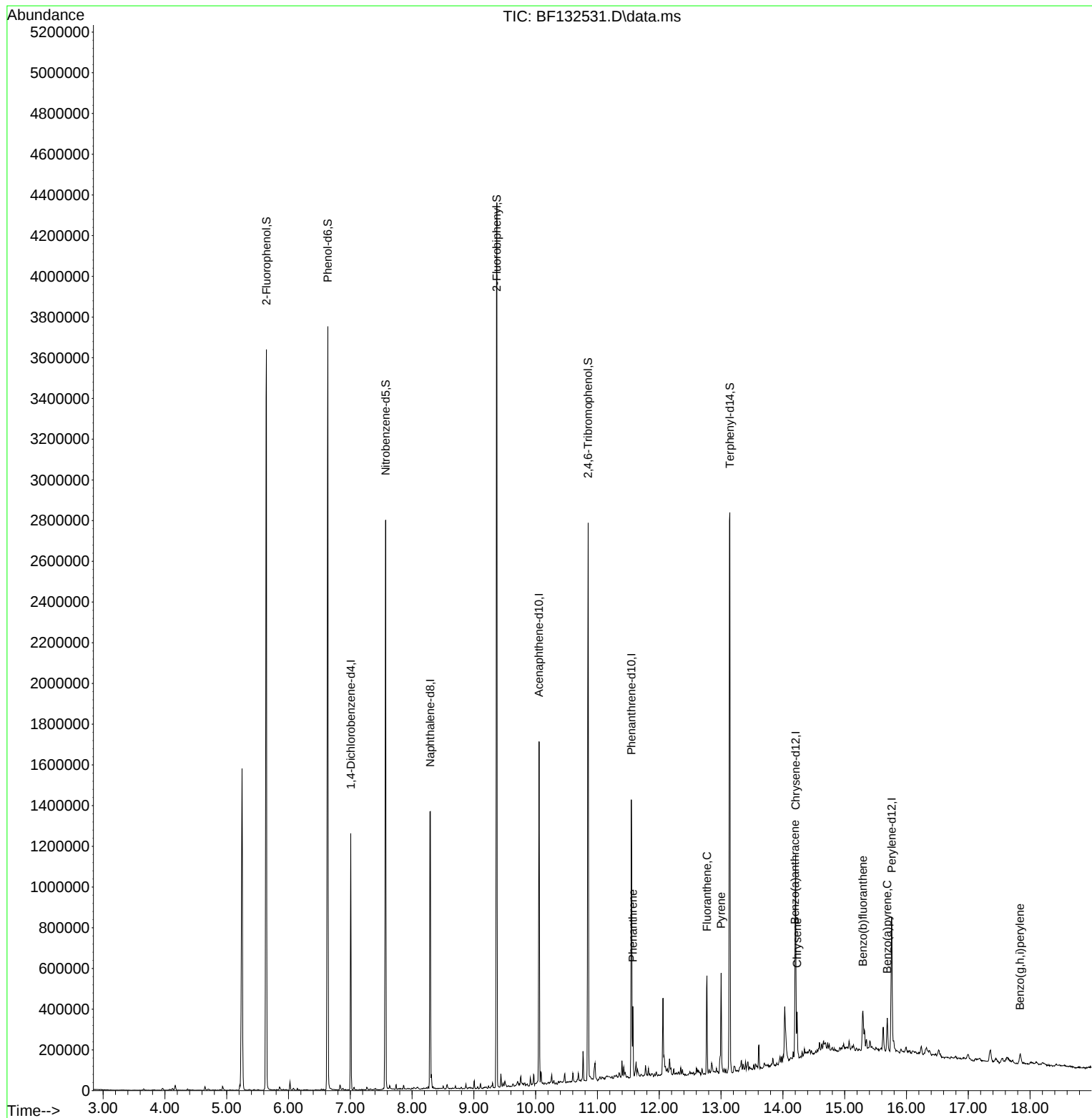
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Data File : BF132531.D
Acq On : 23 Feb 2023 20:56
Operator : CG\JU
Sample : 01658-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

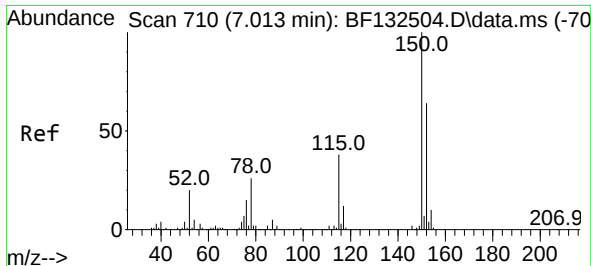
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

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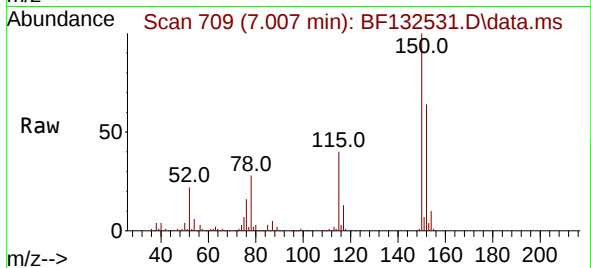
Quant Time: Feb 24 00:40:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 00:59:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

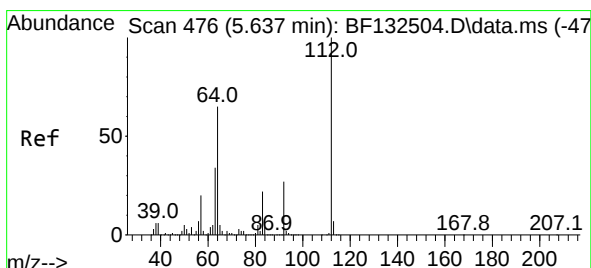
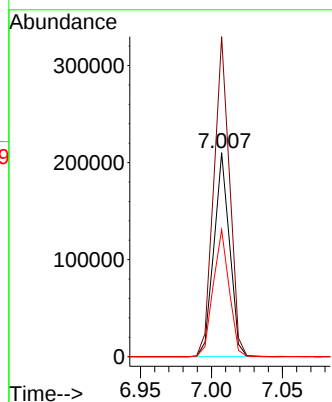
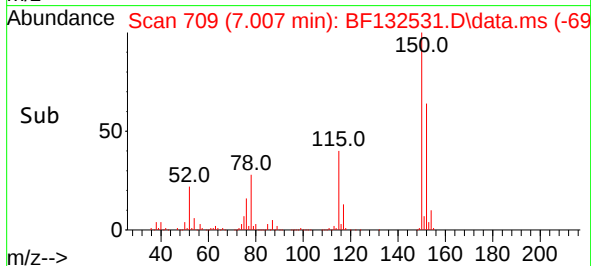
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:152 Resp: 161210
Ion Ratio Lower Upper
152 100
150 156.8 125.4 188.2
115 62.2 47.8 71.6

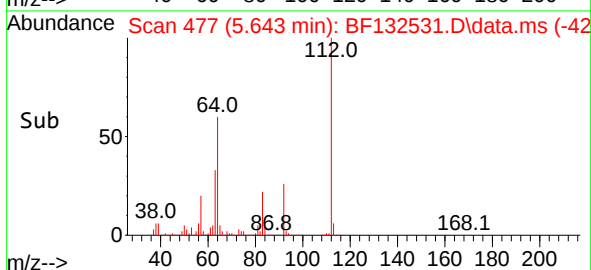
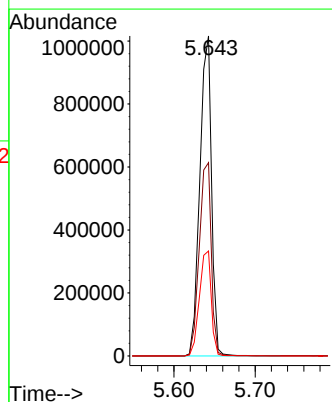
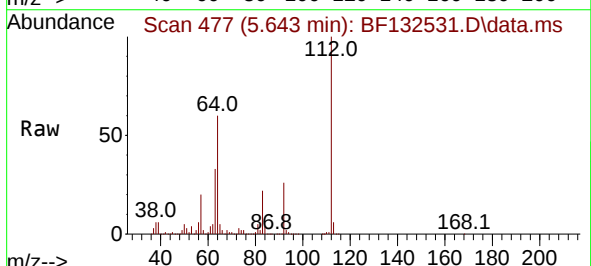
Manual Integrations
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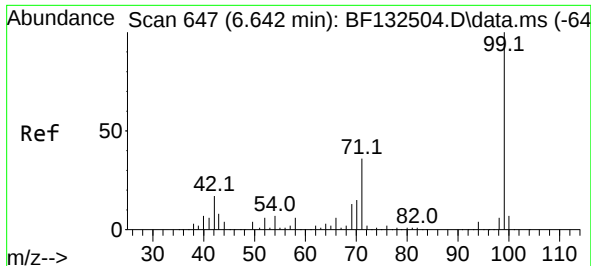
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#5
2-Fluorophenol
Concen: 102.759 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

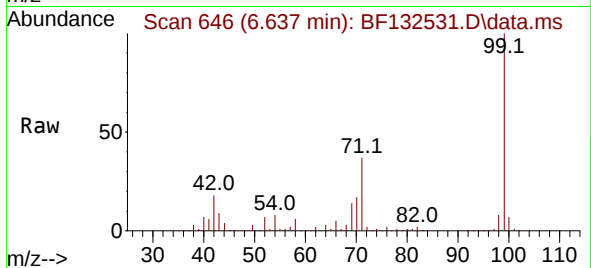
Tgt Ion:112 Resp: 1020703
Ion Ratio Lower Upper
112 100
64 60.4 51.6 77.4
63 32.8 27.4 41.2





#7
Phenol-d6
Concen: 99.417 ng
RT: 6.637 min Scan# 647
Delta R.T. -0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

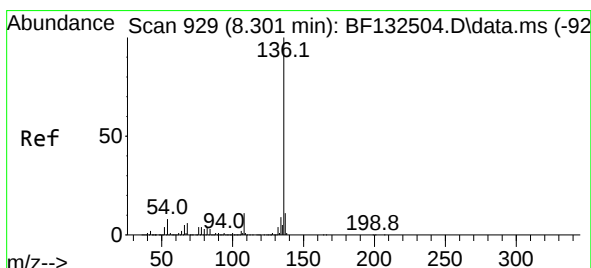
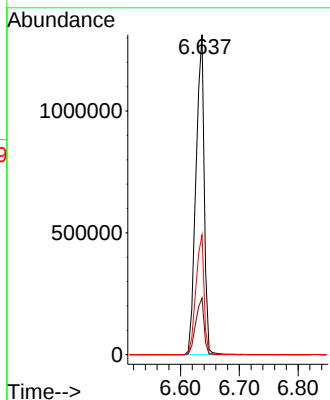
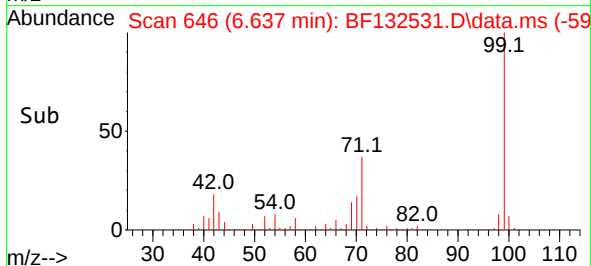
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion: 99 Resp: 128878
Ion Ratio Lower Upper
99 100
42 17.7 13.9 20.9
71 37.5 28.5 42.7

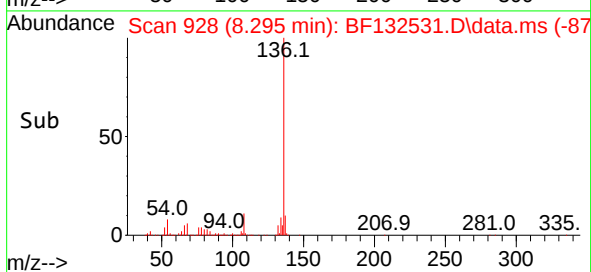
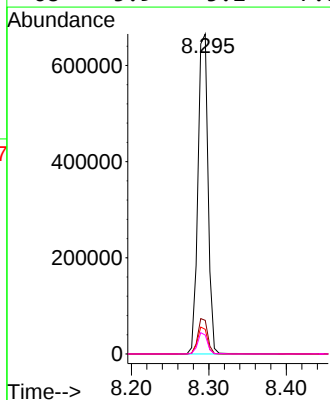
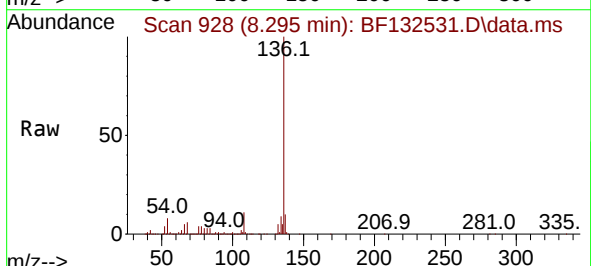
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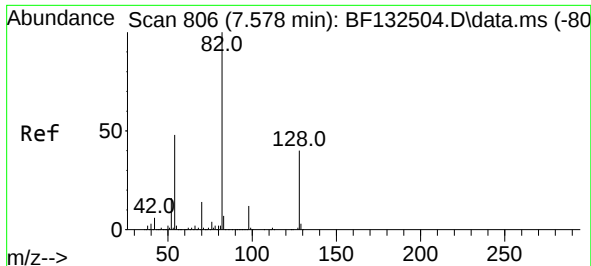
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

Tgt Ion:136 Resp: 600455
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.7 6.2 9.4
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 67.976 ng

RT: 7.572 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF132531.D

Acq: 23 Feb 2023 20:56

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-1

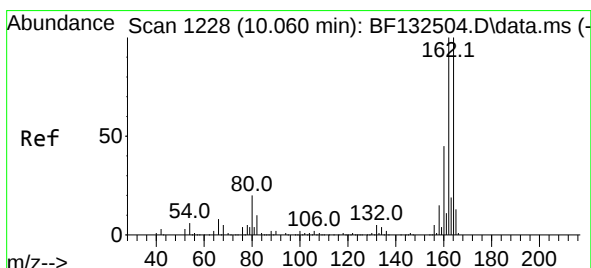
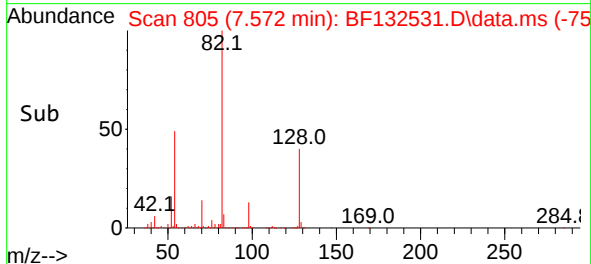
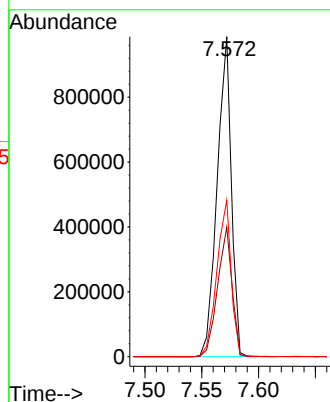
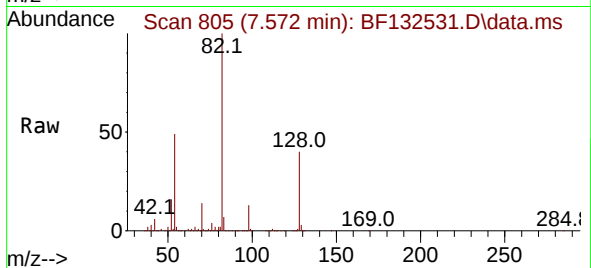
Tgt Ion: 82 Resp: 860300

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.2	48.2
54	49.0	38.4	57.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.054 min Scan# 1227

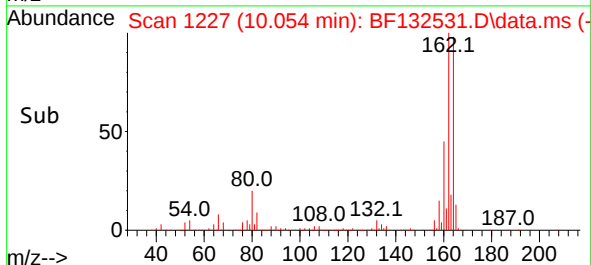
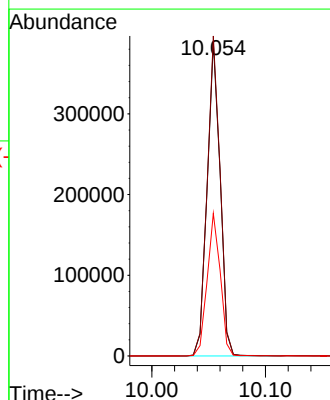
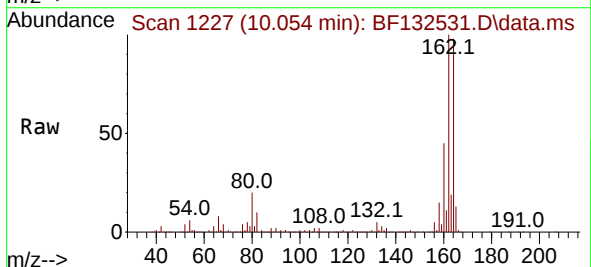
Delta R.T. -0.006 min

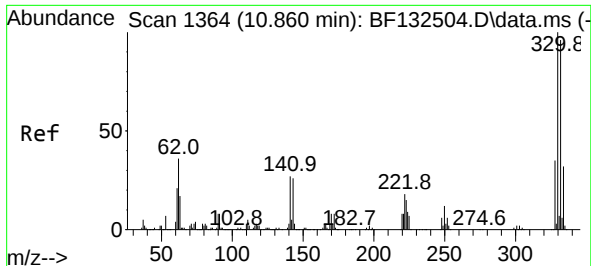
Lab File: BF132531.D

Acq: 23 Feb 2023 20:56

Tgt Ion:164 Resp: 308083

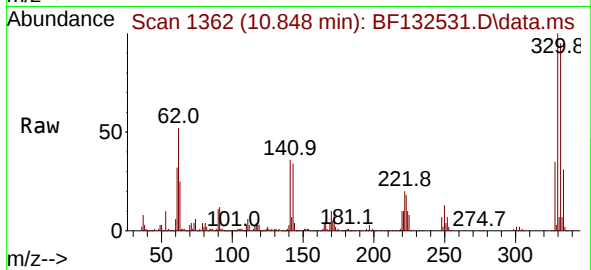
Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.8	119.8
160	45.5	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 86.794 ng
RT: 10.848 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

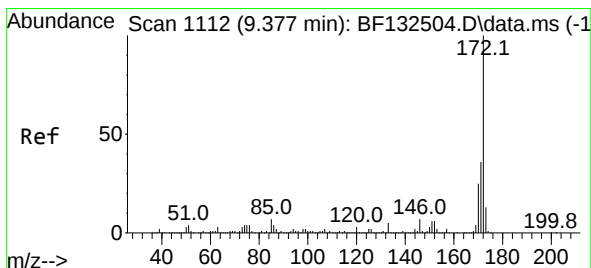
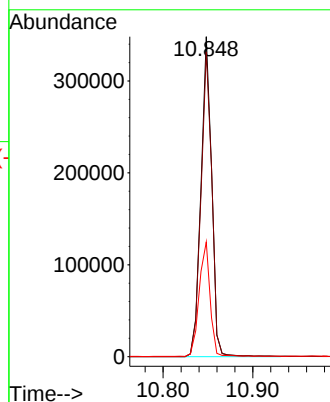
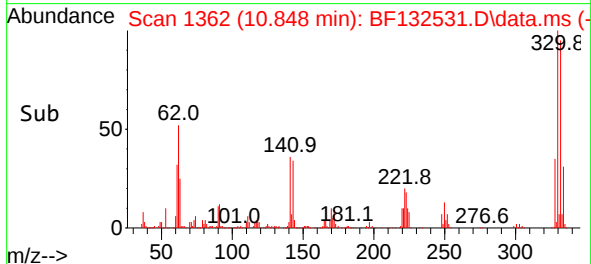
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion: 330 Resp: 288779
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 36.1 28.4 42.6

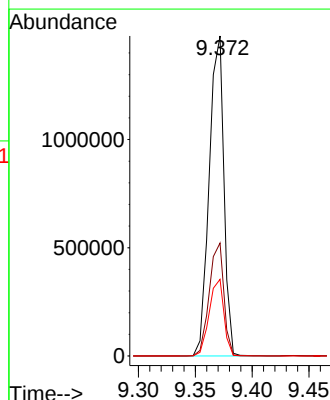
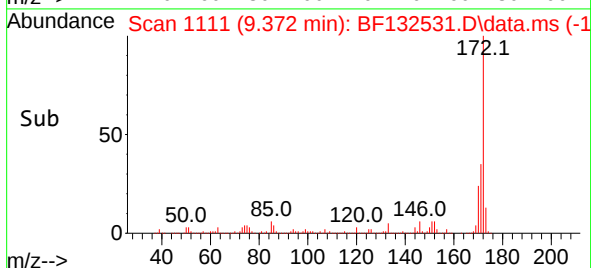
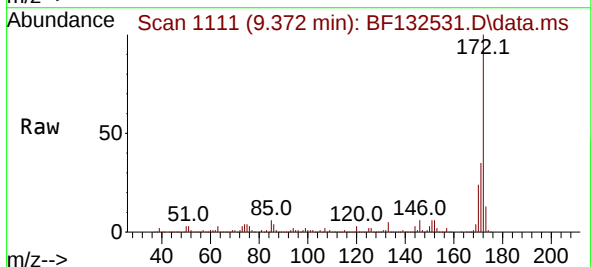
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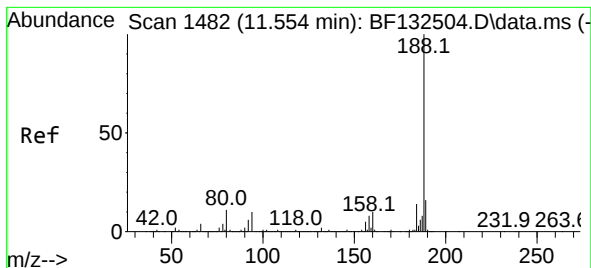
Reviewed By : Christian Giraldo 02/24/2023
Supervised By : Jagrut Upadhyay 02/24/2023



#45
2-Fluorobiphenyl
Concen: 65.609 ng
RT: 9.372 min Scan# 1111
Delta R.T. -0.005 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

Tgt Ion: 172 Resp: 1327480
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.0 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: BF132531.D

Acq: 23 Feb 2023 20:56

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-1

Tgt Ion:188 Resp: 483672

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

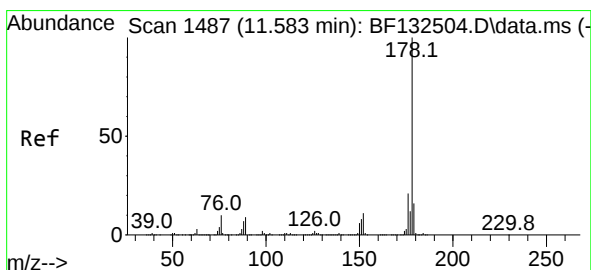
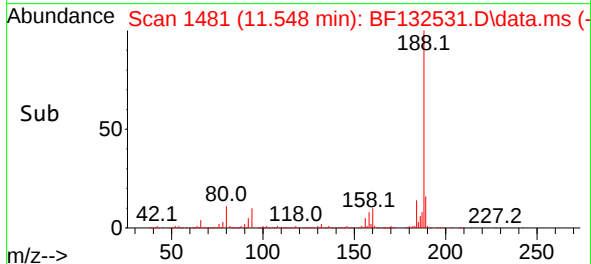
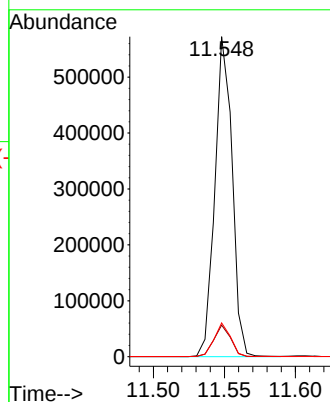
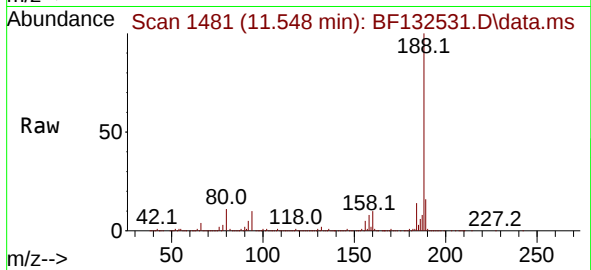
80 10.6 8.7 13.1

Manual Integrations

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Reviewed By :Christian Giraldo 02/24/2023

Supervised By :Jagrut Upadhyay 02/24/2023



#71

Phenanthrene

Concen: 4.635 ng

RT: 11.572 min Scan# 1485

Delta R.T. -0.012 min

Lab File: BF132531.D

Acq: 23 Feb 2023 20:56

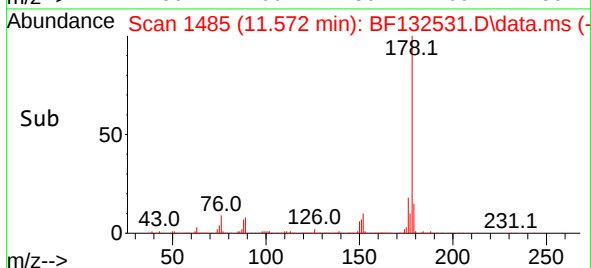
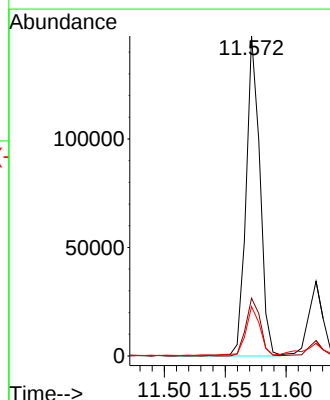
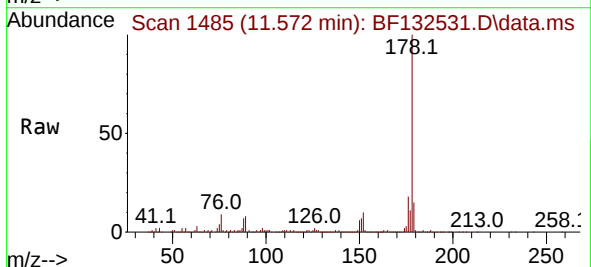
Tgt Ion:178 Resp: 116148

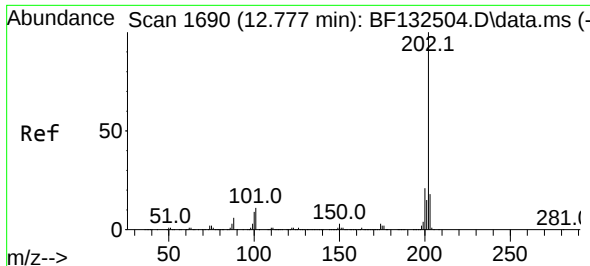
Ion Ratio Lower Upper

178 100

176 18.1 16.5 24.7

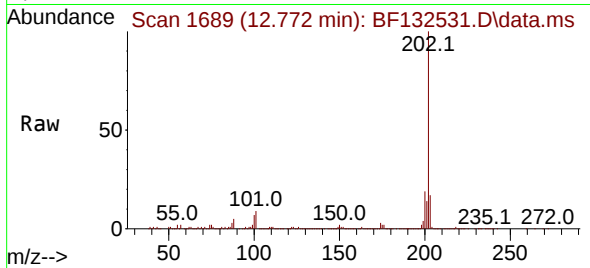
179 15.4 13.0 19.6





#75
Fluoranthene
Concen: 6.943 ng
RT: 12.772 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

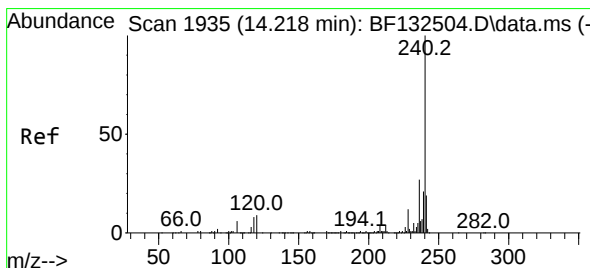
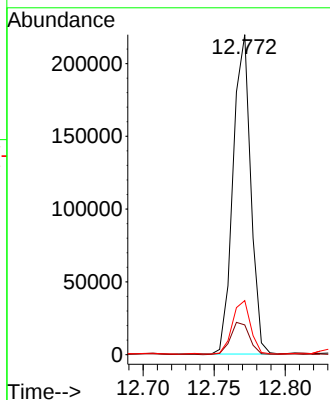
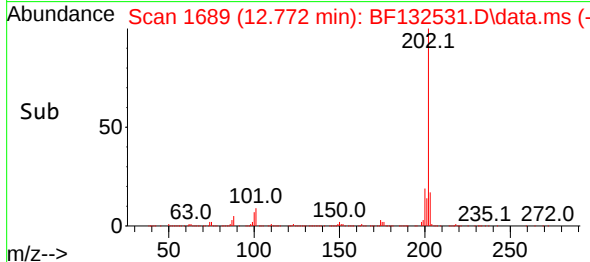
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:202 Resp: 19018
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 16.9 0.0 38.0

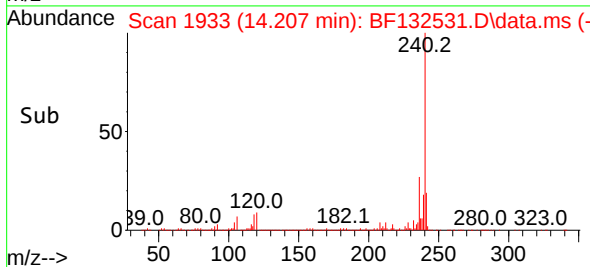
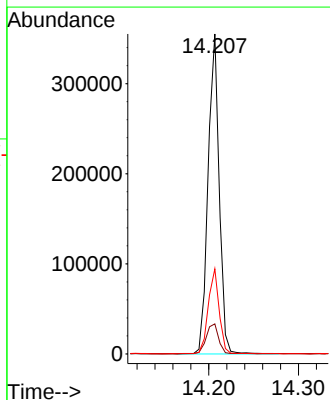
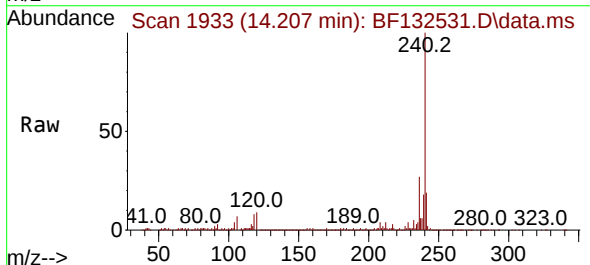
Manual Integrations
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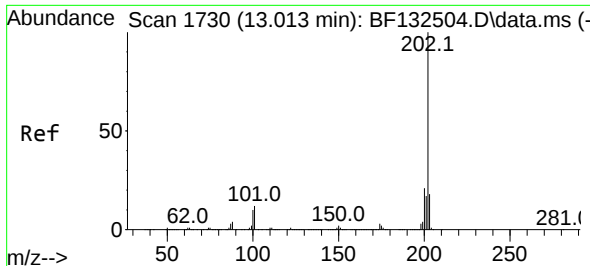
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

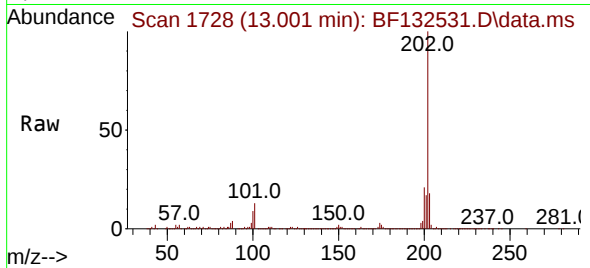
Tgt Ion:240 Resp: 305706
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 26.6 21.8 32.6





#78
Pyrene
Concen: 6.583 ng
RT: 13.001 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

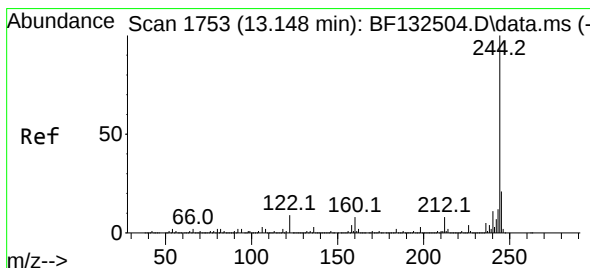
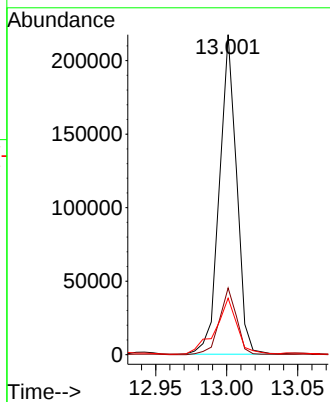
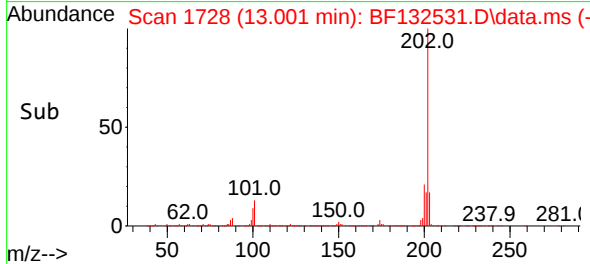
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:202 Resp: 18297
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.6 14.6 21.8

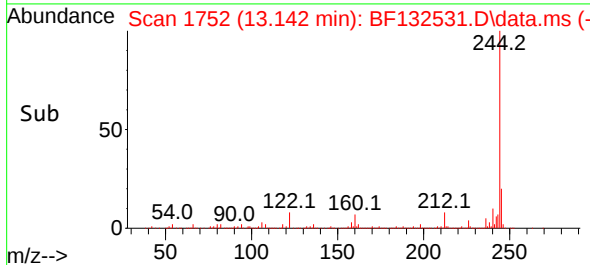
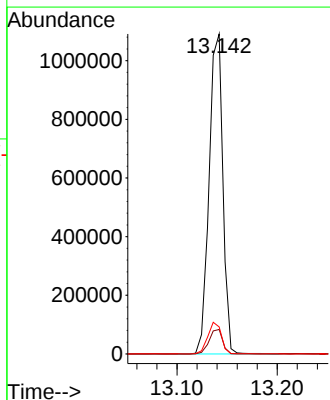
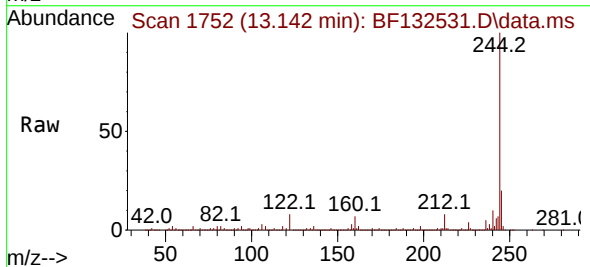
Manual Integrations
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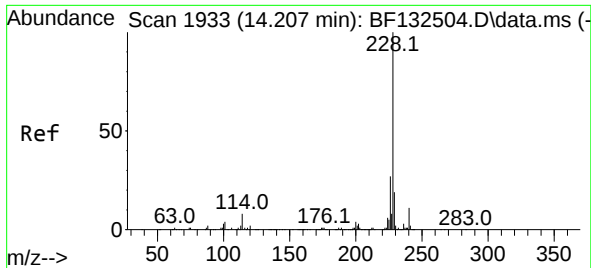
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#79
Terphenyl-d14
Concen: 57.691 ng
RT: 13.142 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

Tgt Ion:244 Resp: 1043119
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 8.5 7.5 11.3





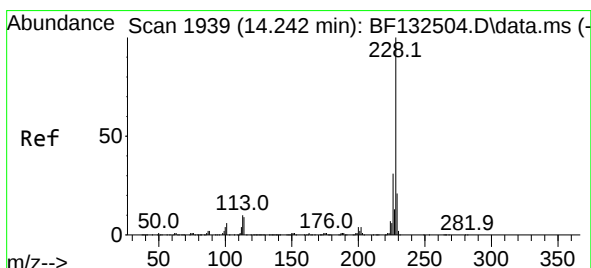
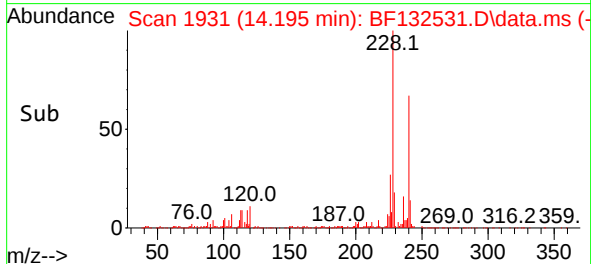
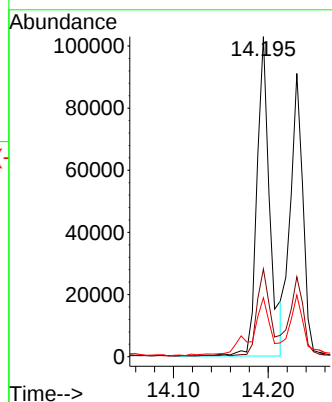
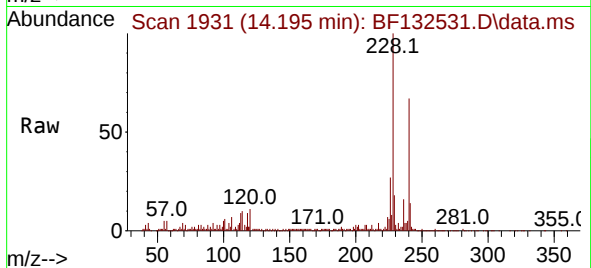
#81
Benzo(a)anthracene
Concen: 4.203 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

Tgt Ion:228 Resp: 96135
Ion Ratio Lower Upper
228 100
226 27.4 21.7 32.5
229 18.4 15.4 23.2

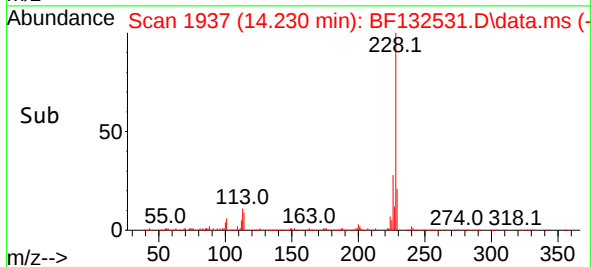
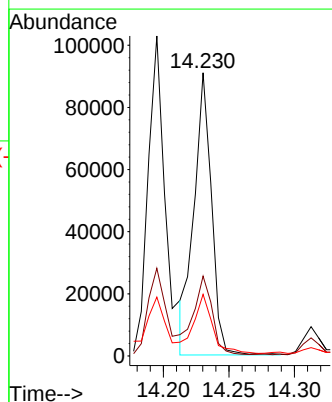
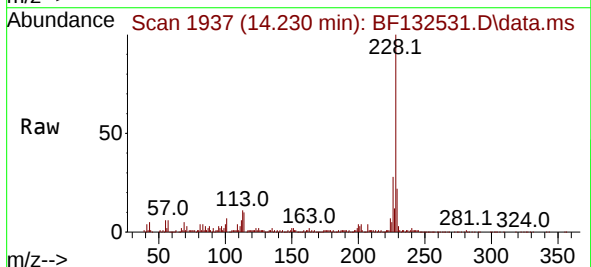
Manual Integrations
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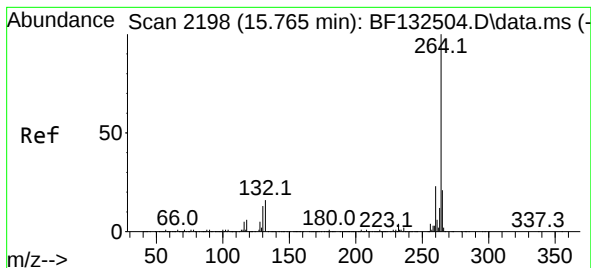
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#83
Chrysene
Concen: 3.966 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

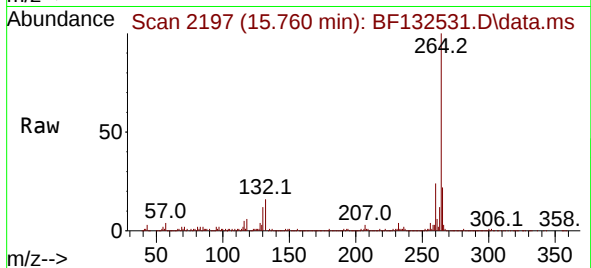
Tgt Ion:228 Resp: 84829
Ion Ratio Lower Upper
228 100
226 28.2 25.0 37.6
229 21.8 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

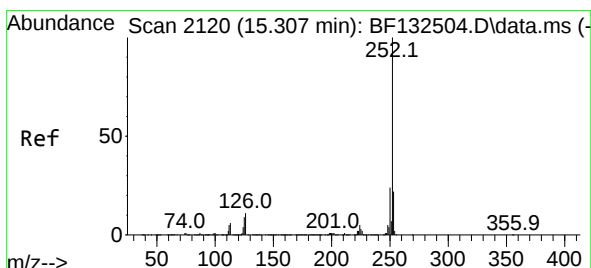
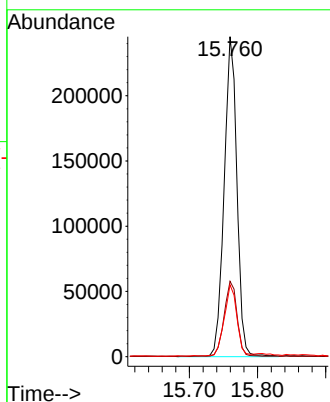
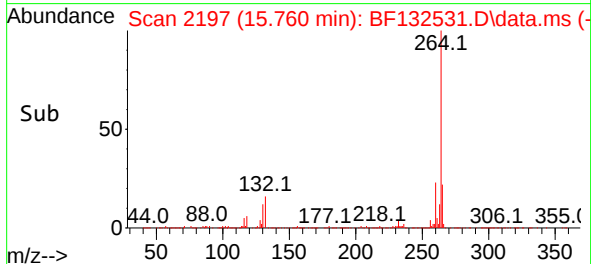
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:264 Resp: 31988
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.5 17.1 25.7

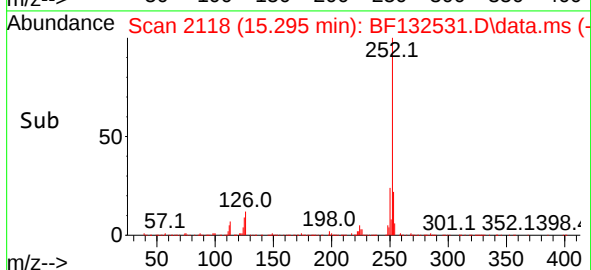
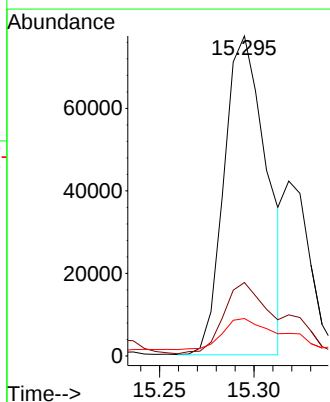
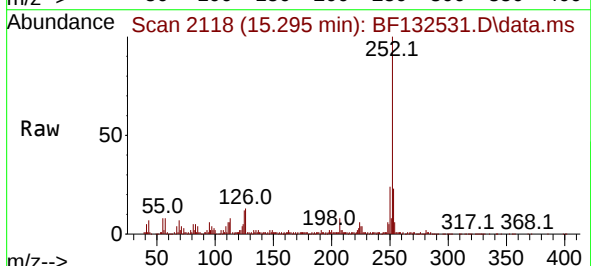
Manual Integrations
APPROVED

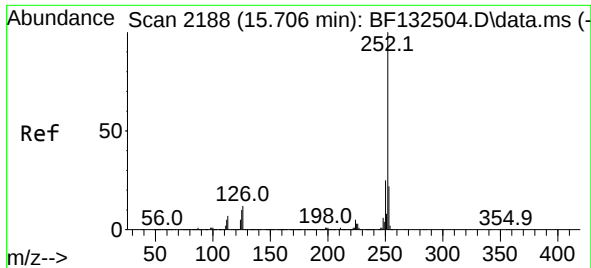
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#88
Benzo(b)fluoranthene
Concen: 5.652 ng m
RT: 15.295 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

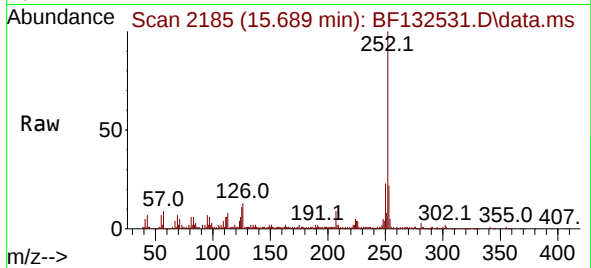
Tgt Ion:252 Resp: 121151
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.7 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 4.112 ng
RT: 15.689 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56

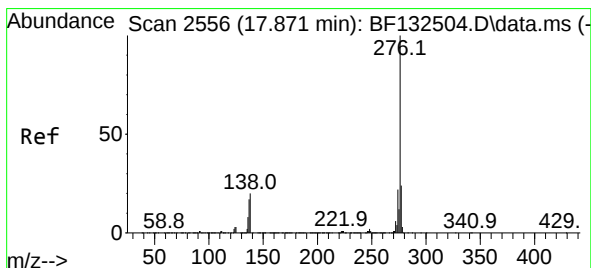
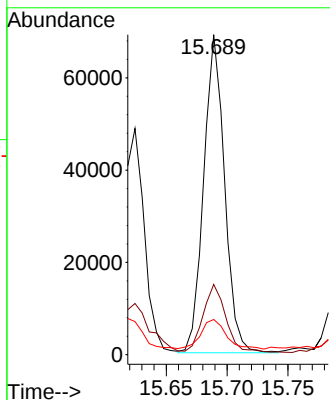
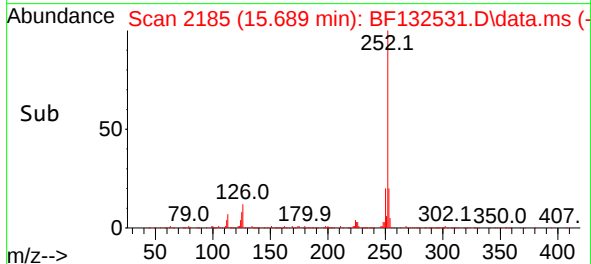
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



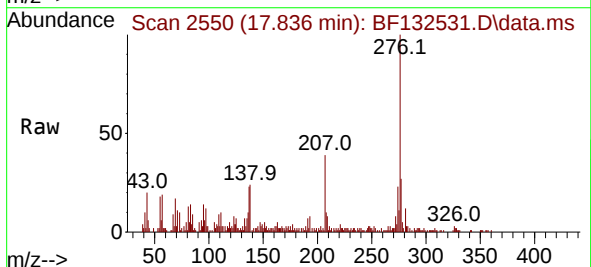
Tgt Ion:252 Resp: 82508
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 11.0 8.0 12.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.729 ng
RT: 17.836 min Scan# 2550
Delta R.T. -0.035 min
Lab File: BF132531.D
Acq: 23 Feb 2023 20:56



Tgt Ion:276 Resp: 42233
Ion Ratio Lower Upper
276 100
277 27.2 18.9 28.3
138 23.8 16.2 24.4

