

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0222323\
 Data File : BF132529.D
 Acq On : 23 Feb 2023 19:51
 Operator : CG\JU
 Sample : 01660-01
 Misc :
 ALS Vial : 15 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 00:40:00 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	154694	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	576020	20.000	ng	-0.01
39) Acenaphthene-d10	10.054	164	302694	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	513960	20.000	ng	0.00
76) Chrysene-d12	14.207	240	292997	20.000	ng	-0.01
86) Perylene-d12	15.760	264	334730	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	779347	81.765	ng	0.00
7) Phenol-d6	6.631	99	1006550	80.916	ng	-0.01
23) Nitrobenzene-d5	7.572	82	671149	55.280	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	240873	73.685	ng	-0.01
45) 2-Fluorobiphenyl	9.366	172	1122005	56.441	ng	-0.01
79) Terphenyl-d14	13.136	244	938402	54.151	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.572	178	161335	6.059	ng	98
75) Fluoranthene	12.772	202	241372	8.292	ng	96
78) Pyrene	13.001	202	215108	8.075	ng	98
81) Benzo(a)anthracene	14.195	228	92526	4.221	ng	99
83) Chrysene	14.230	228	92071m	4.491	ng	
88) Benzo(b)fluoranthene	15.295	252	131303m	5.853	ng	
90) Benzo(a)pyrene	15.689	252	89799	4.277	ng	# 97
92) Benzo(g,h,i)perylene	17.836	276	56968	4.340	ng	97

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

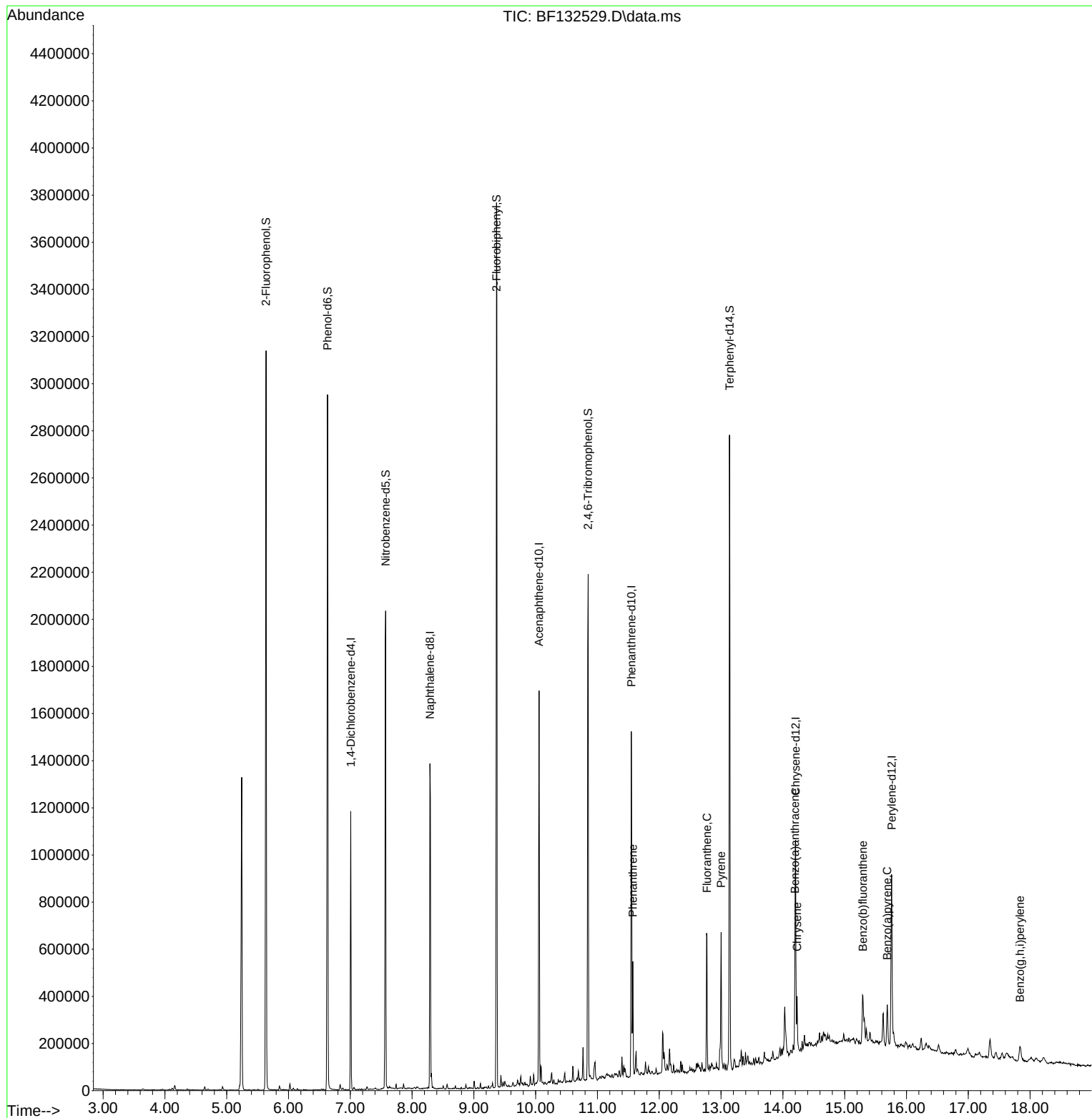
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Data File : BF132529.D
Acq On : 23 Feb 2023 19:51
Operator : CG\JU
Sample : 01660-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

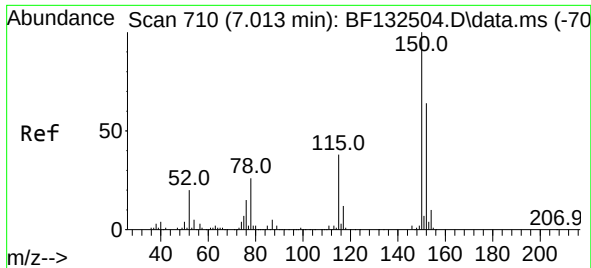
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

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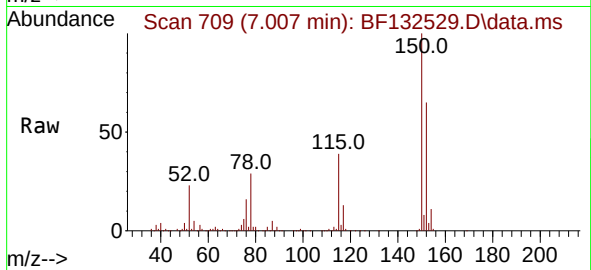
Quant Time: Feb 24 00:40:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 23 00:59:42 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.007 min Scan# 710
 Delta R.T. -0.006 min
 Lab File: BF132529.D
 Acq: 23 Feb 2023 19:51

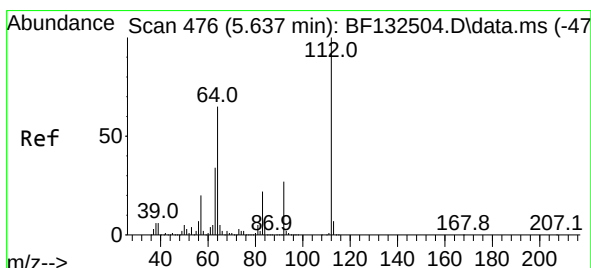
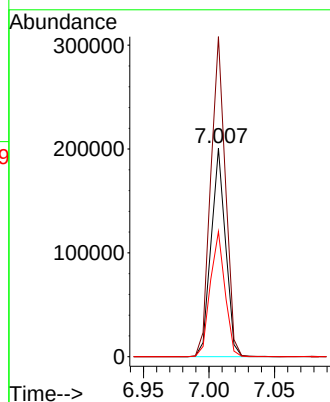
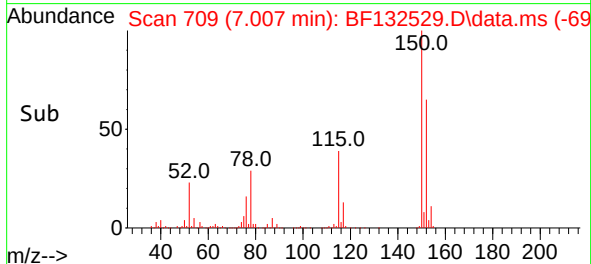
Instrument :
 BNA_F
 ClientSampleId :
 QAQC-COMP-1



Tgt Ion:152 Resp: 154694
 Ion Ratio Lower Upper
 152 100
 150 153.5 125.4 188.2
 115 60.1 47.8 71.6

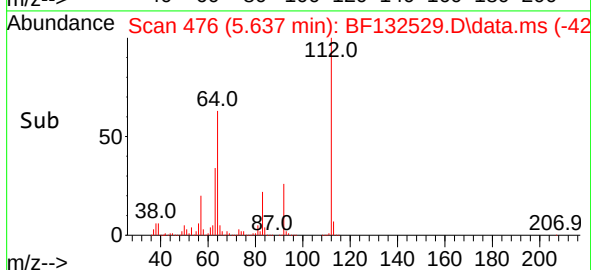
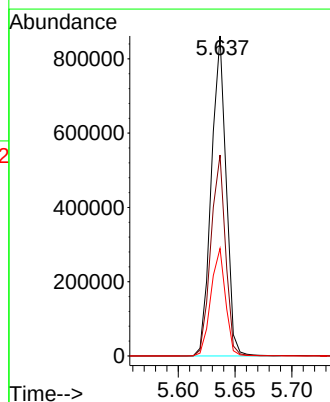
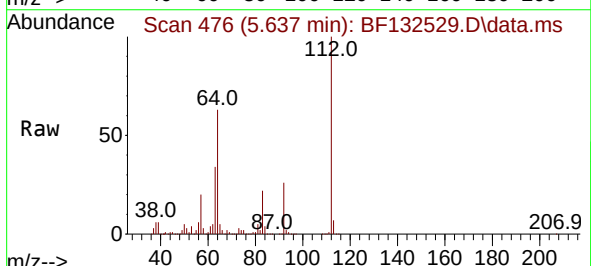
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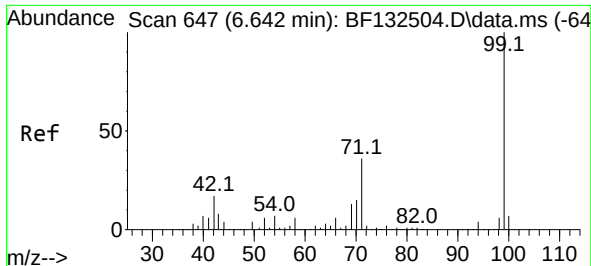
Reviewed By :Christian Giraldo 02/24/2023
 Supervised By :Jagrut Upadhyay 02/24/2023



#5
 2-Fluorophenol
 Concen: 81.765 ng
 RT: 5.637 min Scan# 476
 Delta R.T. 0.000 min
 Lab File: BF132529.D
 Acq: 23 Feb 2023 19:51

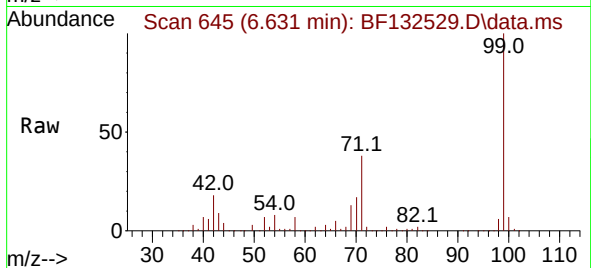
Tgt Ion:112 Resp: 779347
 Ion Ratio Lower Upper
 112 100
 64 62.8 51.6 77.4
 63 33.6 27.4 41.2





#7
Phenol-d6
Concen: 80.916 ng
RT: 6.631 min Scan# 647
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

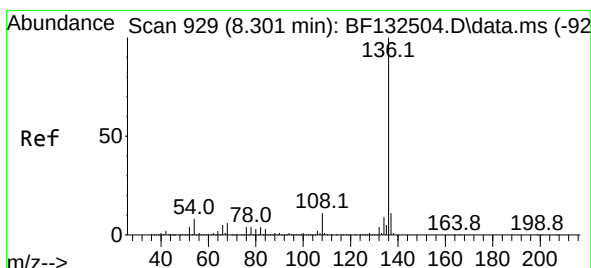
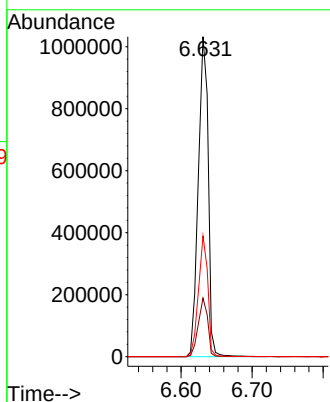
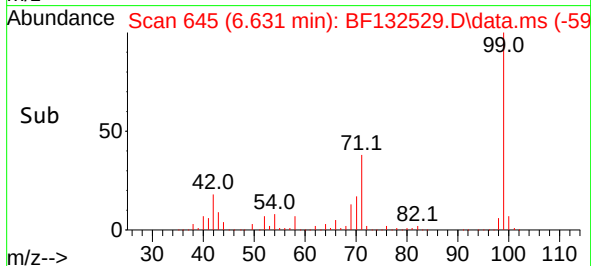
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



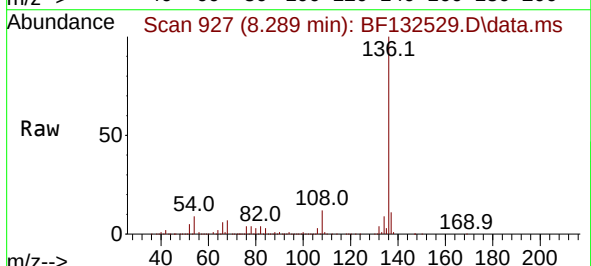
Tgt Ion: 99 Resp: 1006550
Ion Ratio Lower Upper
99 100
42 18.3 13.9 20.9
71 37.8 28.5 42.7

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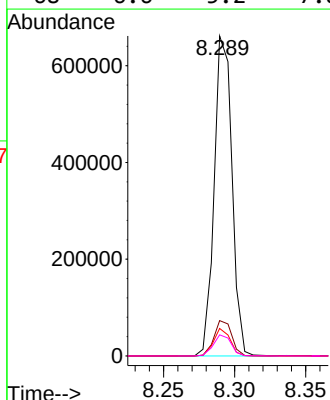
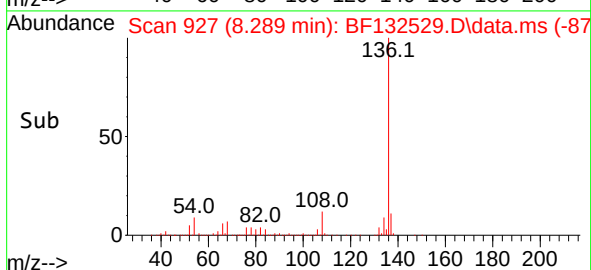
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

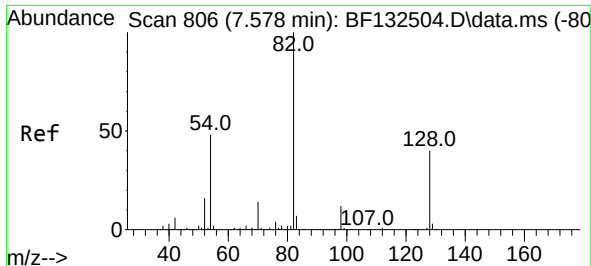


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51



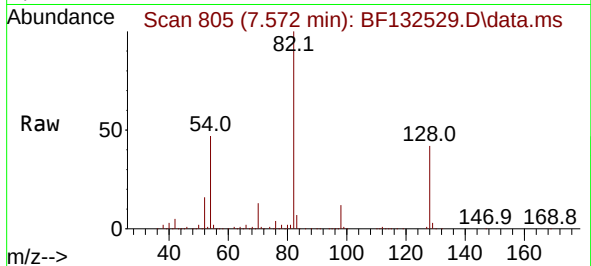
Tgt Ion:136 Resp: 576020
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.6 6.2 9.4
68 6.6 5.2 7.8





#23
Nitrobenzene-d5
Concen: 55.280 ng
RT: 7.572 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

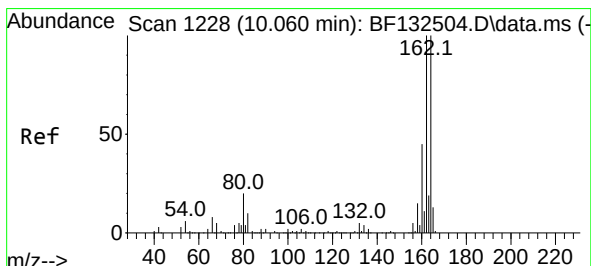
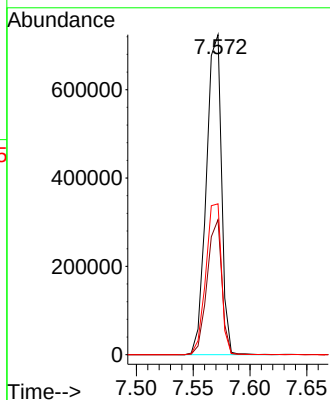
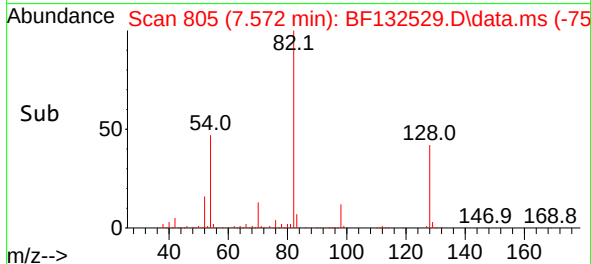
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion: 82 Resp: 671149
Ion Ratio Lower Upper
82 100
128 42.2 32.2 48.2
54 47.2 38.4 57.6

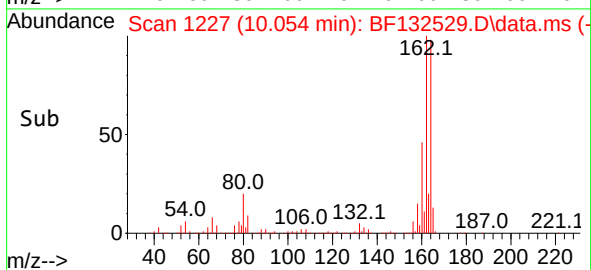
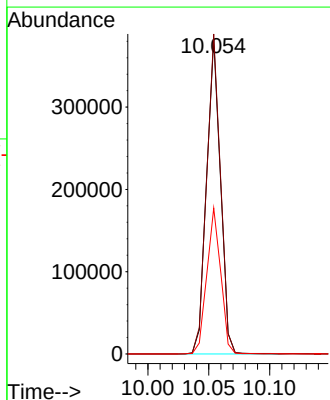
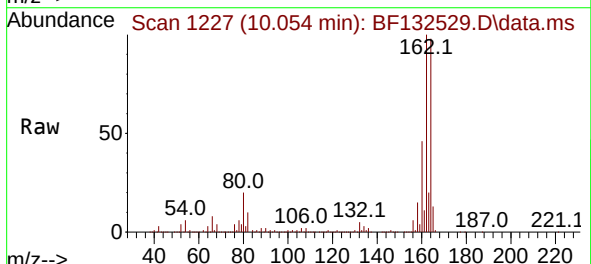
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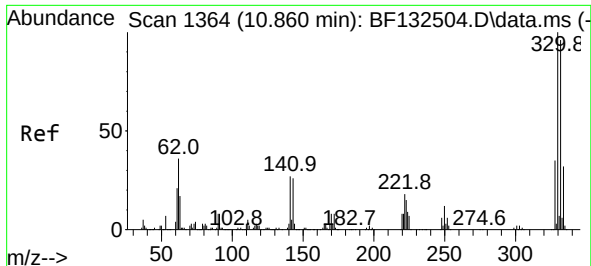
Reviewed By :Christian Giraldo 02/24/2023
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

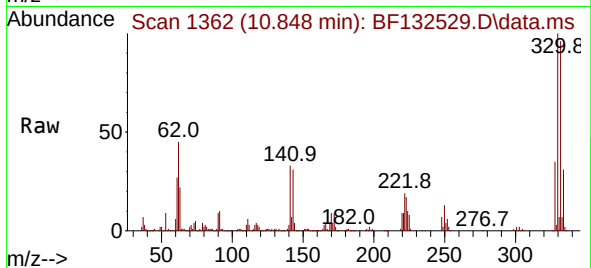
Tgt Ion:164 Resp: 302694
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 46.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 73.685 ng
RT: 10.848 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

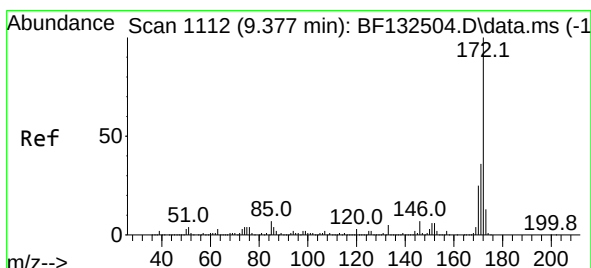
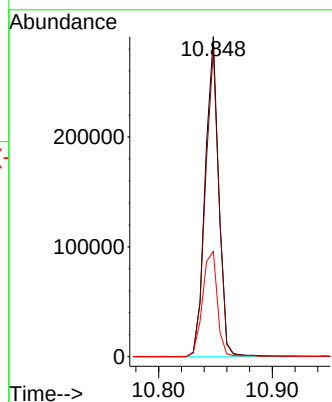
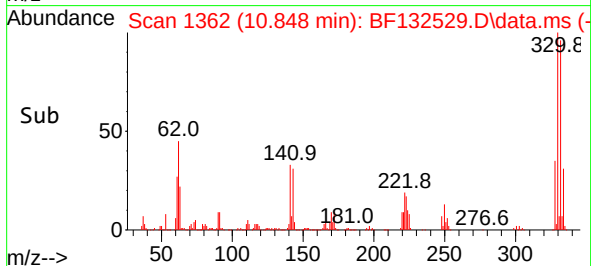
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



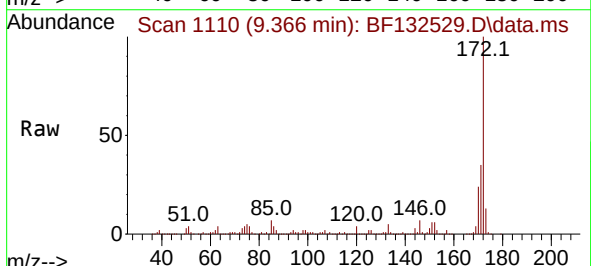
Tgt Ion: 330 Resp: 24087
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 35.9 28.4 42.6

Manual Integrations
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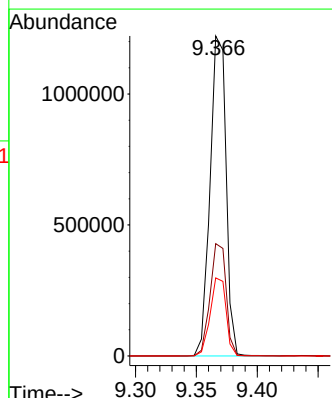
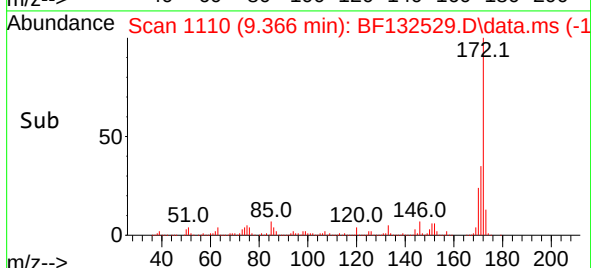
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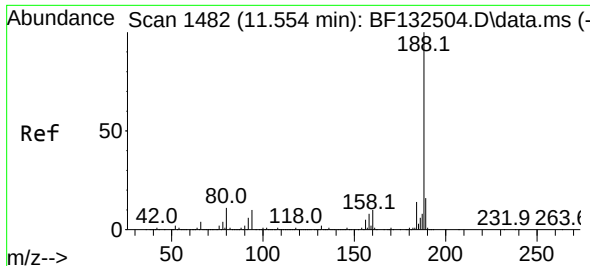


#45
2-Fluorobiphenyl
Concen: 56.441 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51



Tgt Ion: 172 Resp: 1122005
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 24.4 19.7 29.5





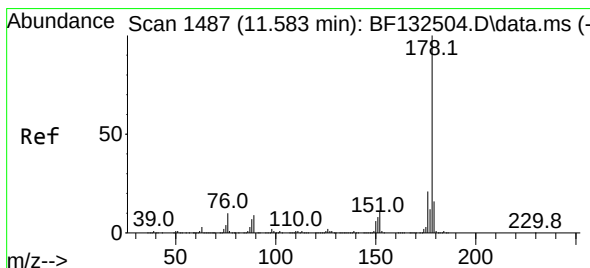
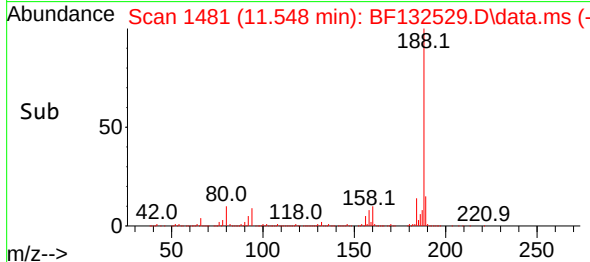
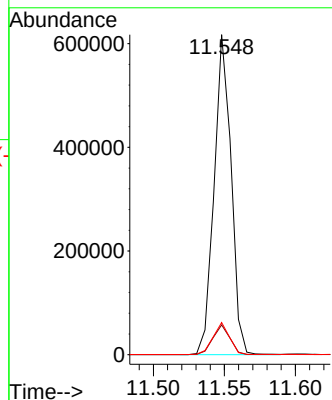
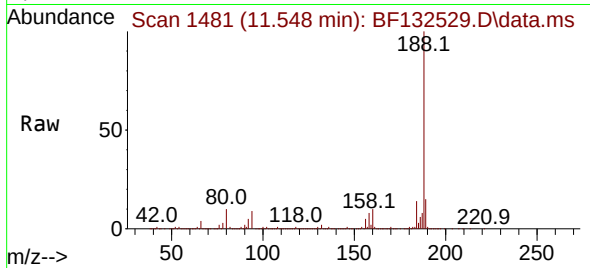
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

Tgt Ion:188 Resp: 513960
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.0 8.7 13.1

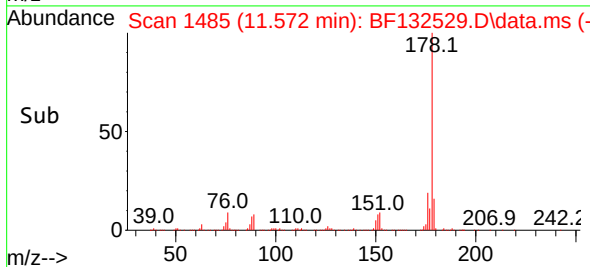
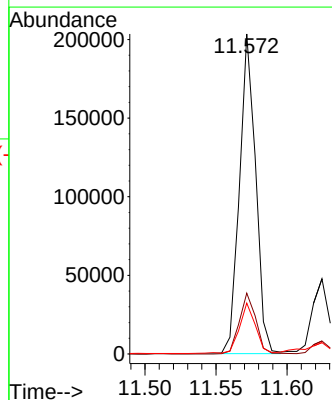
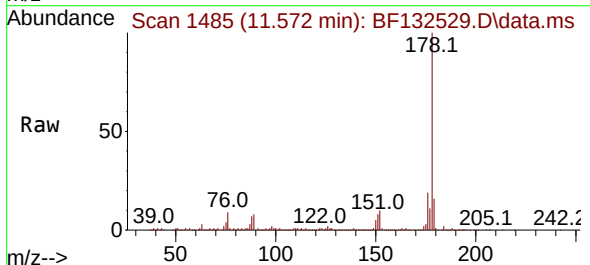
Manual Integrations
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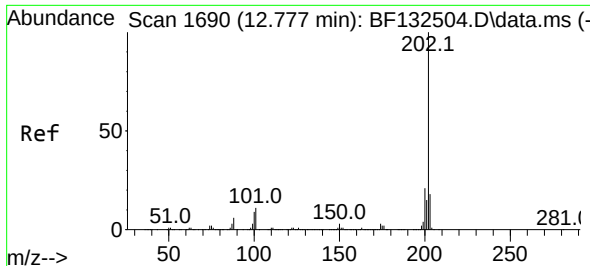
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#71
Phenanthrene
Concen: 6.059 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

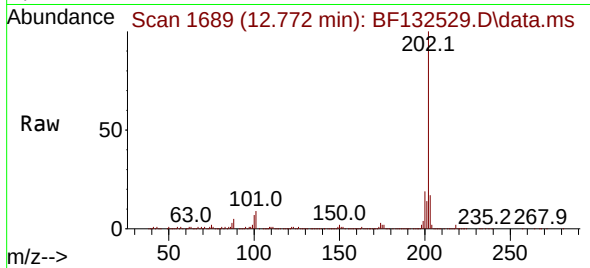
Tgt Ion:178 Resp: 161335
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.9 13.0 19.6





#75
Fluoranthene
Concen: 8.292 ng
RT: 12.772 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

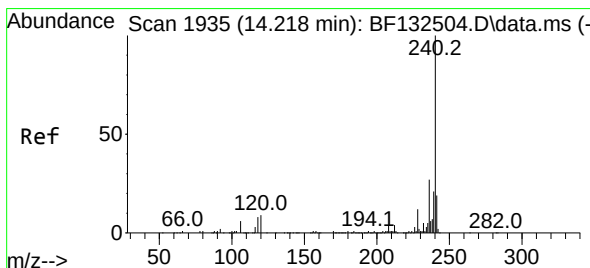
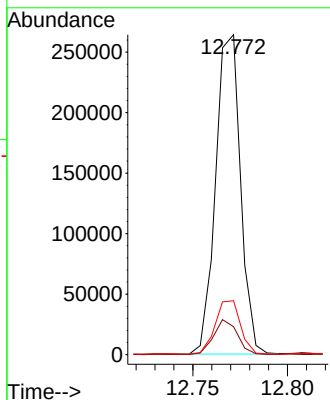
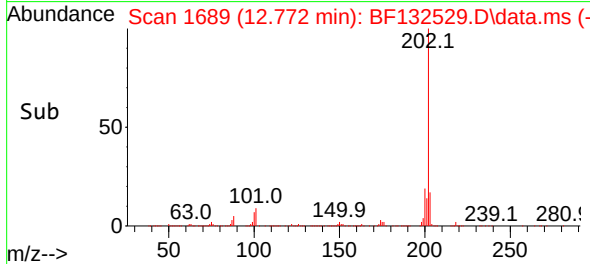
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:202 Resp: 241372
Ion Ratio Lower Upper
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101 8.8 0.0 31.4
203 16.8 0.0 38.0

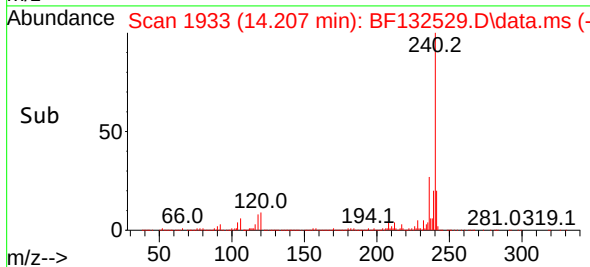
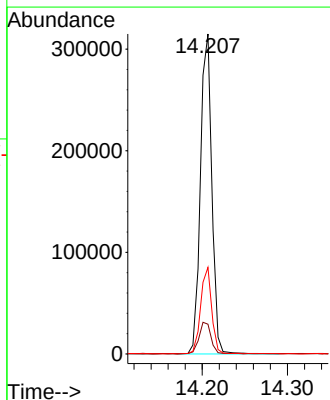
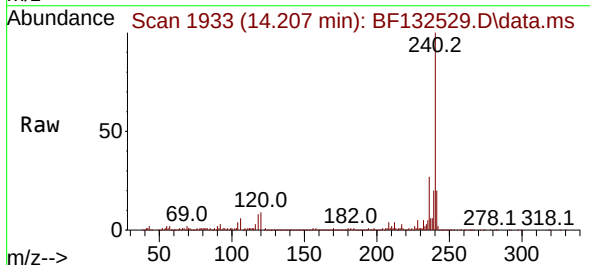
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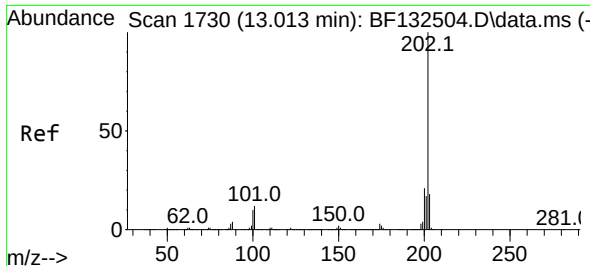
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

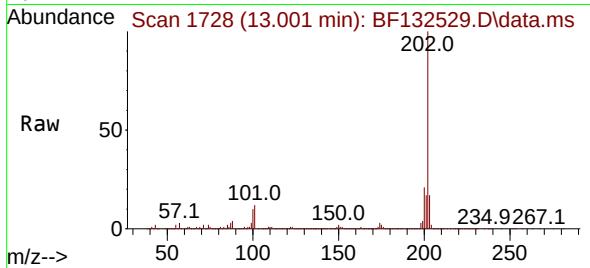
Tgt Ion:240 Resp: 292997
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 27.0 21.8 32.6





#78
Pyrene
Concen: 8.075 ng
RT: 13.001 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

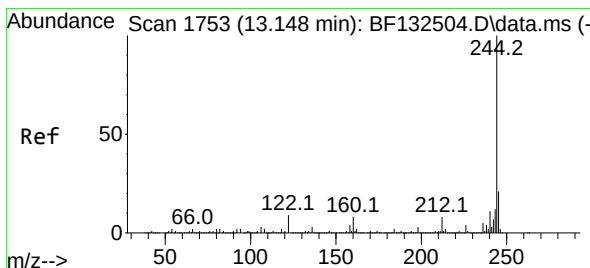
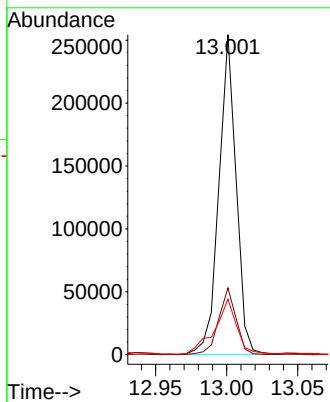
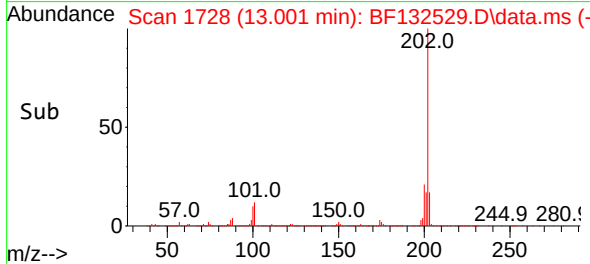
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



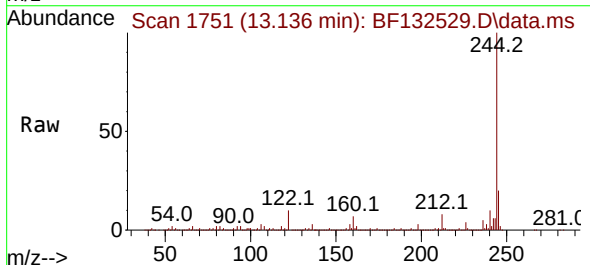
Tgt Ion:202 Resp: 215108
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.4 14.6 21.8

Manual Integrations
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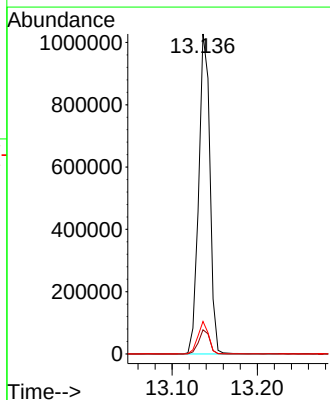
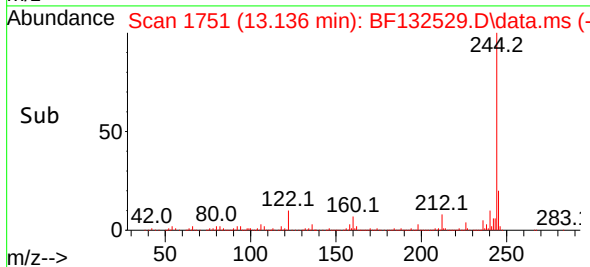
Reviewed By :Christian Giraldo 02/24/2023
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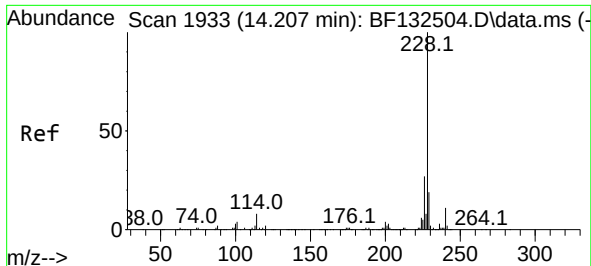


#79
Terphenyl-d14
Concen: 54.151 ng
RT: 13.136 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51



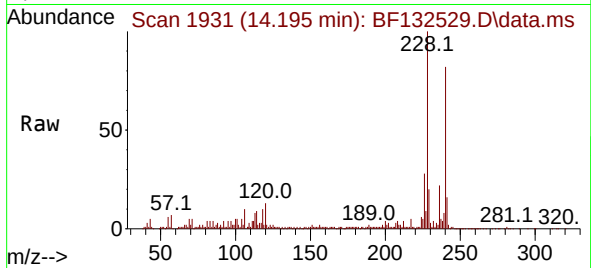
Tgt Ion:244 Resp: 938402
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 10.1 7.5 11.3





#81
Benzo(a)anthracene
Concen: 4.221 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

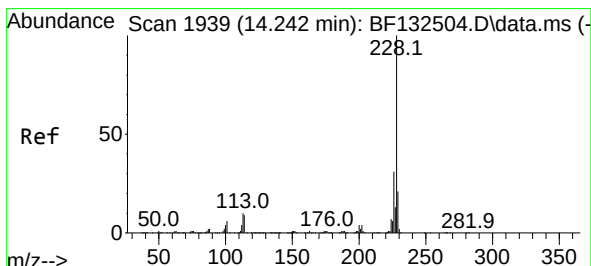
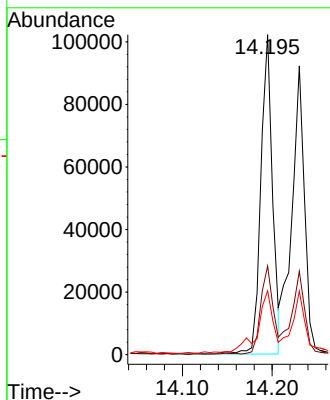
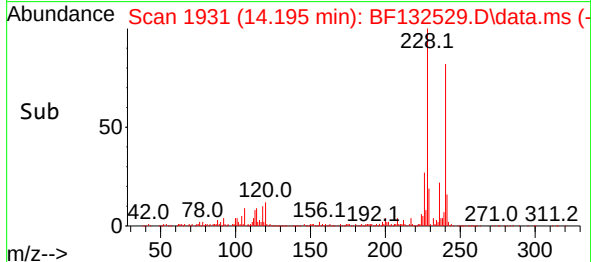
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:228 Resp: 92520
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 19.9 15.4 23.2

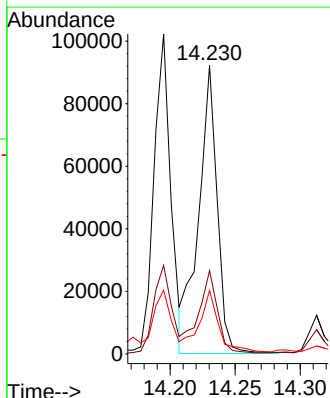
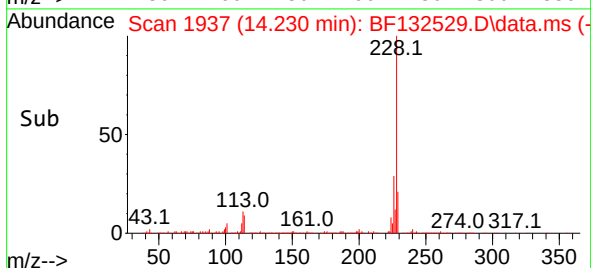
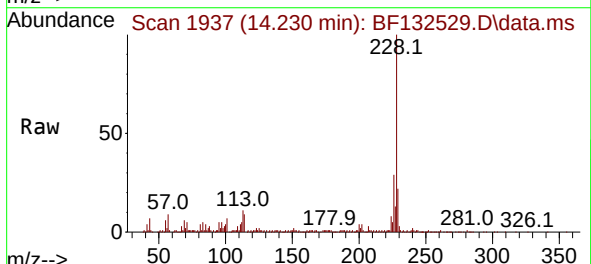
Manual Integrations
APPROVED

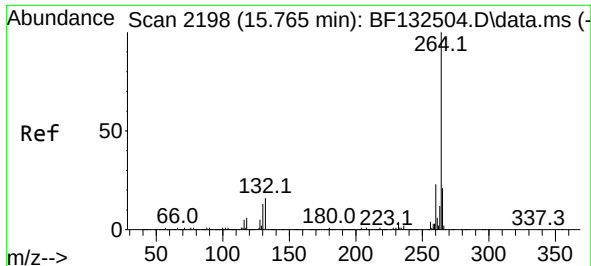
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#83
Chrysene
Concen: 4.491 ng m
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

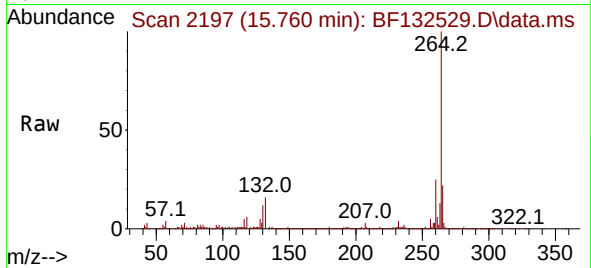
Tgt Ion:228 Resp: 92071
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 22.0 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

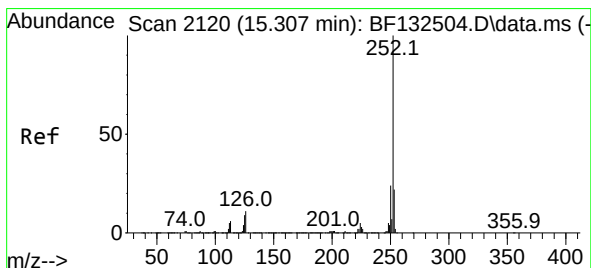
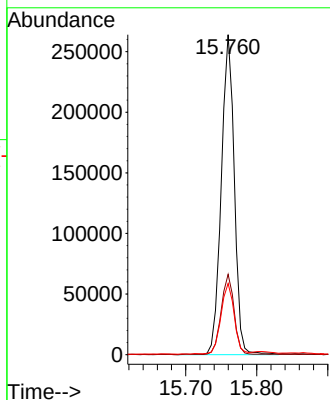
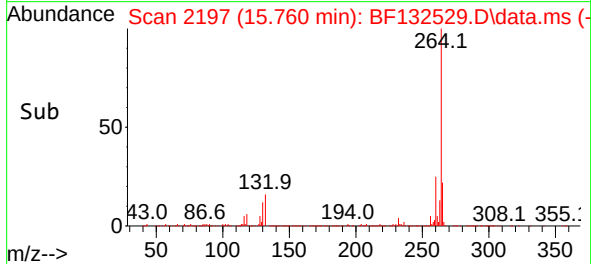
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



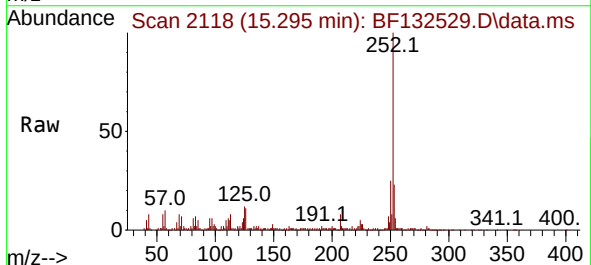
Tgt Ion:264 Resp: 334730
Ion Ratio Lower Upper
264 100
260 25.1 18.8 28.2
265 22.2 17.1 25.7

Manual Integrations
APPROVED

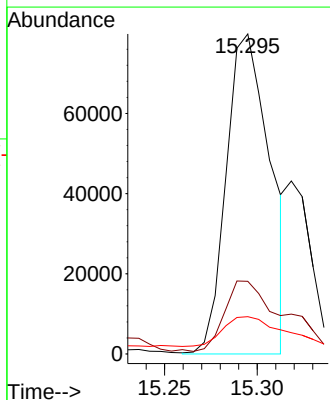
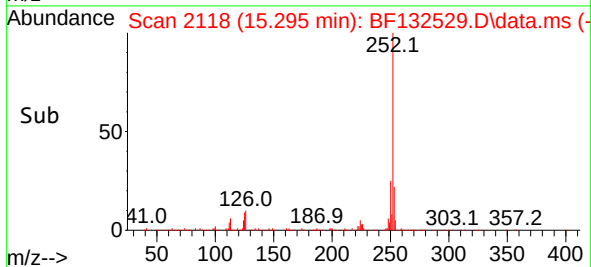
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023

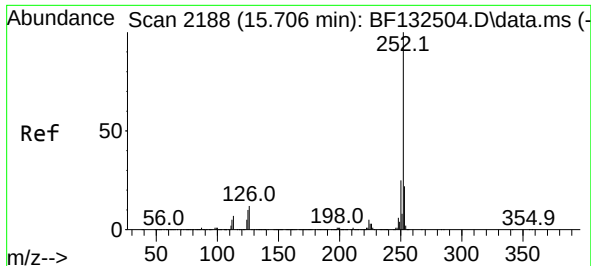


#88
Benzo(b)fluoranthene
Concen: 5.853 ng m
RT: 15.295 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51



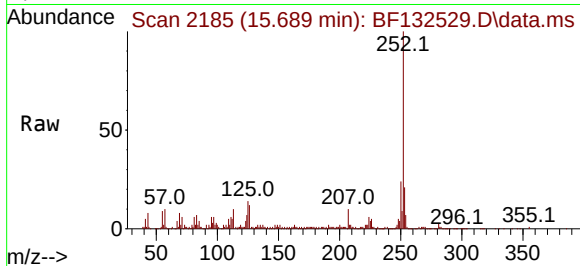
Tgt Ion:252 Resp: 131303
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.6 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 4.277 ng
RT: 15.689 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

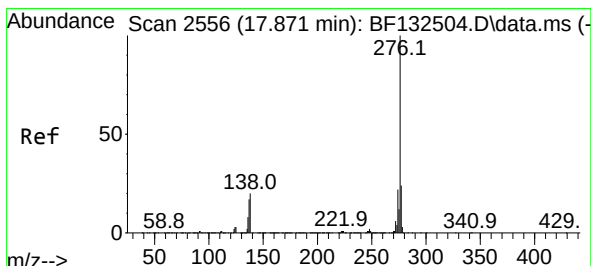
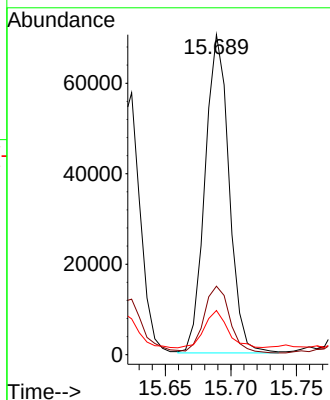
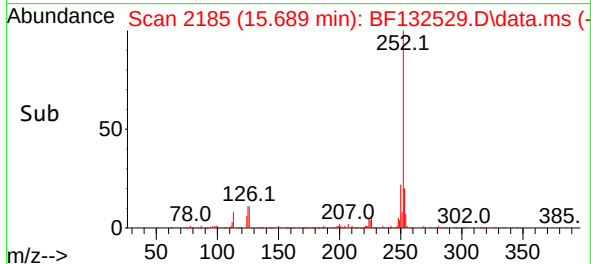
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1



Tgt Ion:252 Resp: 89799
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 13.8 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: 4.340 ng
RT: 17.836 min Scan# 2550
Delta R.T. -0.035 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Tgt Ion:276 Resp: 56968
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 22.4 16.2 24.4

