

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
 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

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)

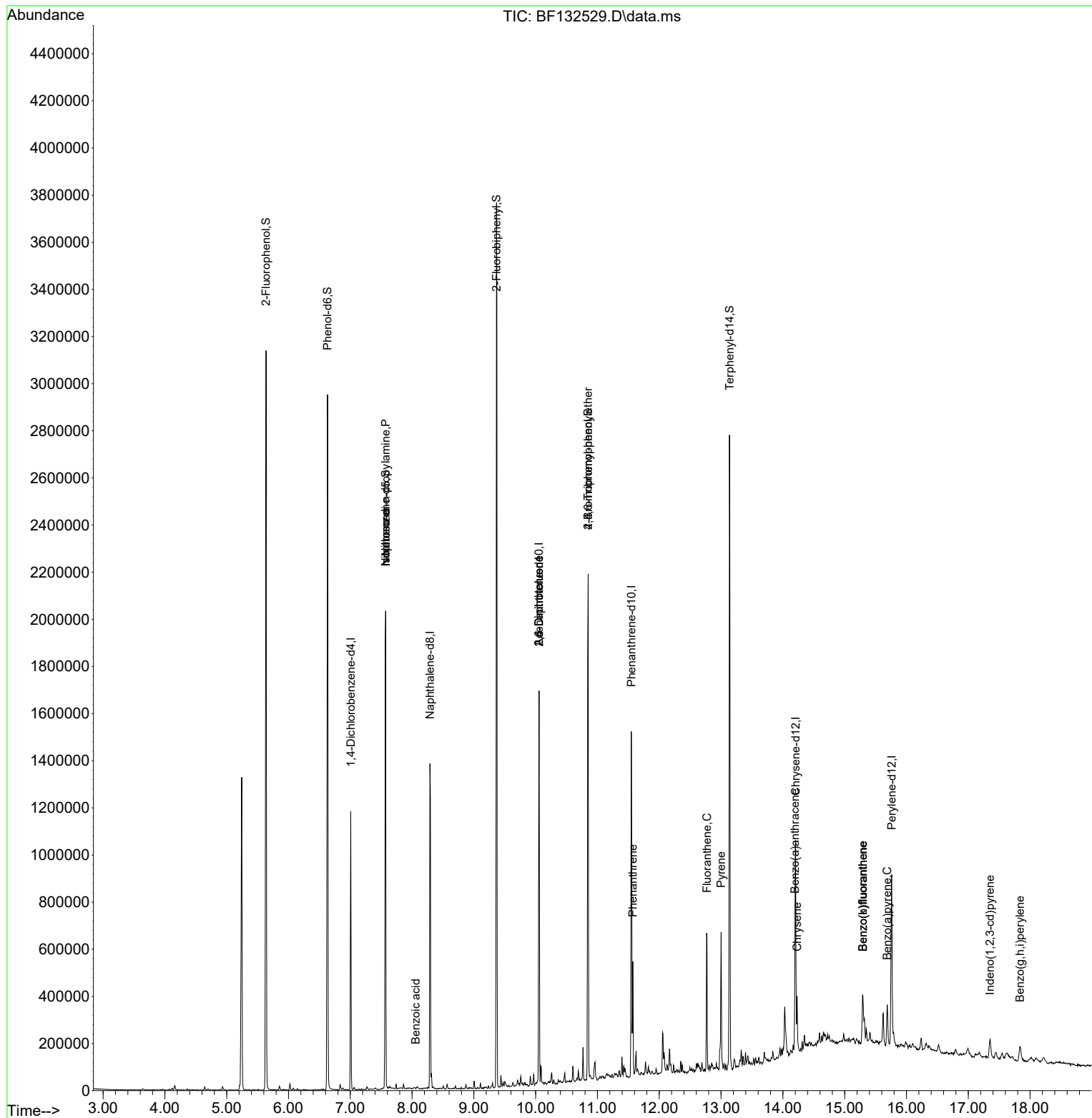
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	154694	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	576020	20.000	ng	-0.01
39) Acenaphthene-d10	10.054	164	302694	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	513960	20.000	ng	0.00
76) Chrysene-d12	14.207	240	292997	20.000	ng	-0.01
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.572	70	90257	11.789	ng	# 76
25) Isophorone	7.572	82	671140	28.833	ng	# 67
32) Benzoic acid	8.060	122	71	3.845	ng	# 1
51) 2,6-Dinitrotoluene	10.054	165	39914	7.952	ng	# 22
57) 2,4-Dinitrotoluene	10.054	165	39914	5.977	ng	# 21
67) 4-Bromophenyl-phenylether	10.848	248	16347	2.812	ng	# 1
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	83834	4.089	ng	96
87) Indeno(1,2,3-cd)pyrene	17.354	276	59052	2.692	ng	96
88) Benzo(b)fluoranthene	15.295	252	170944	7.621	ng	# 96
89) Benzo(k)fluoranthene	15.295	252	170944	7.786	ng	# 97
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

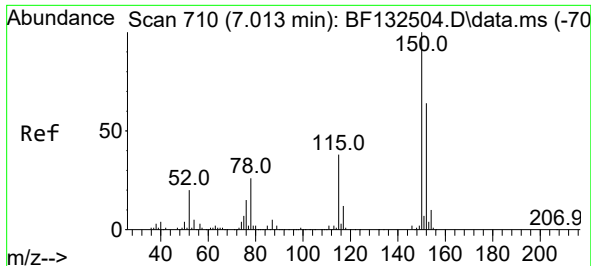
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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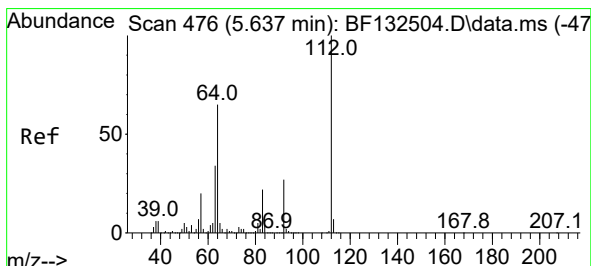
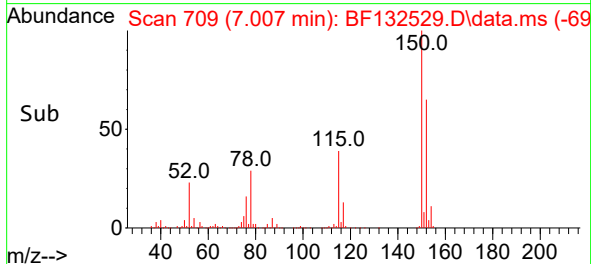
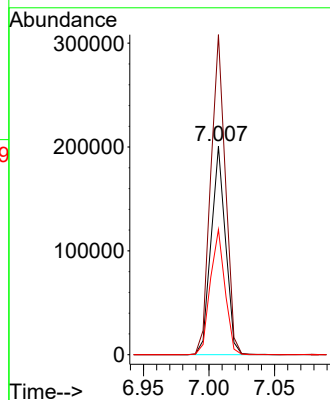
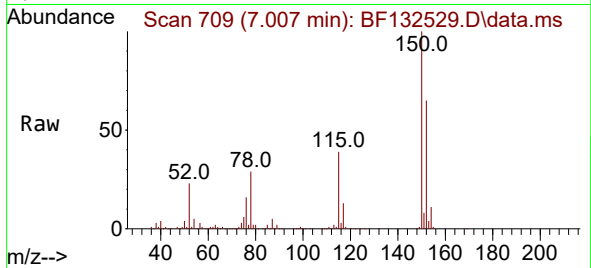




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

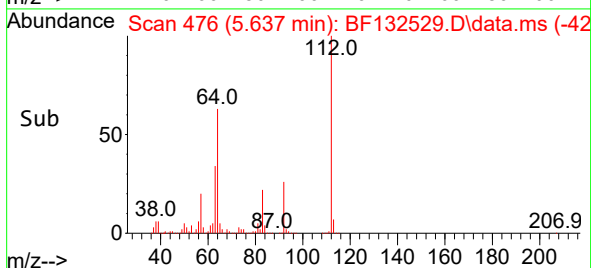
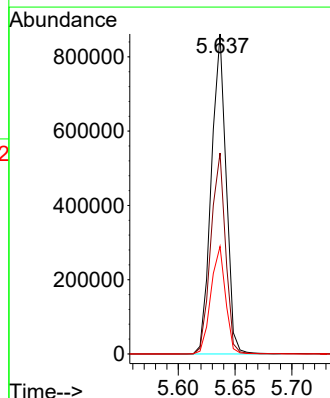
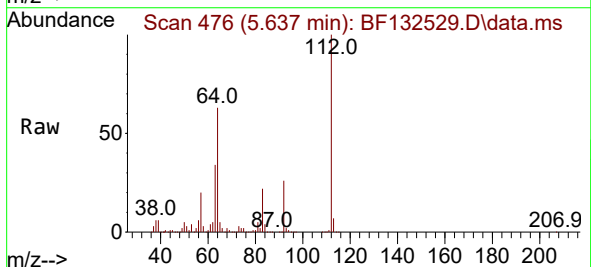
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ClientSampleId :
QAQC-COMP-1

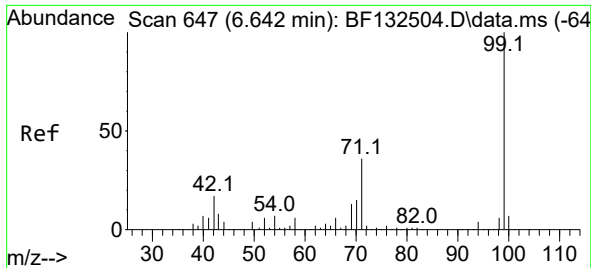
Tgt Ion:152 Resp: 154694
Ion Ratio Lower Upper
152 100
150 153.5 125.4 188.2
115 60.1 47.8 71.6



#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

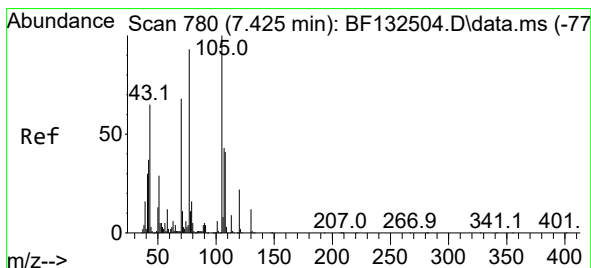
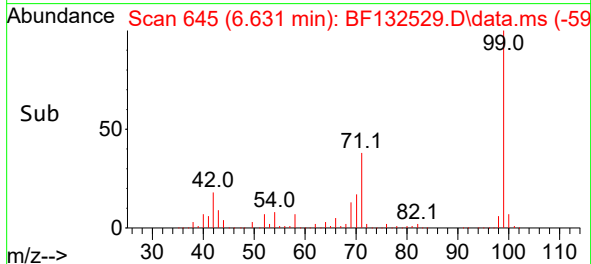
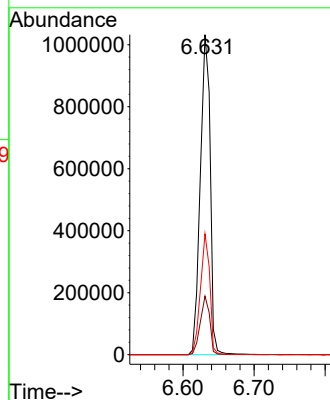
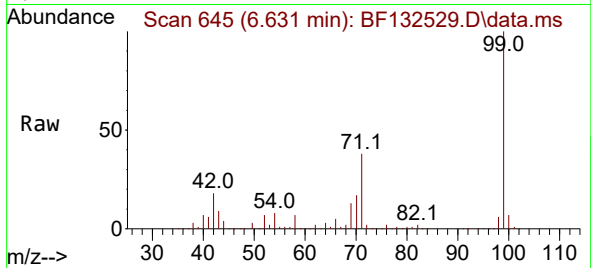




#7
Phenol-d6
Concen: 80.916 ng
RT: 6.631 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

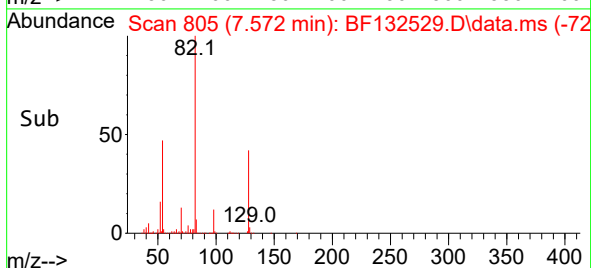
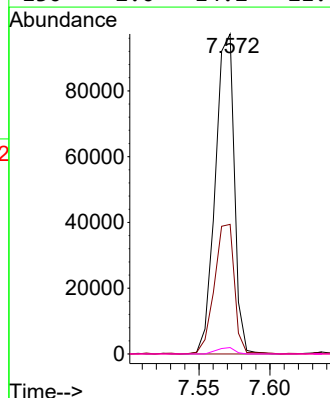
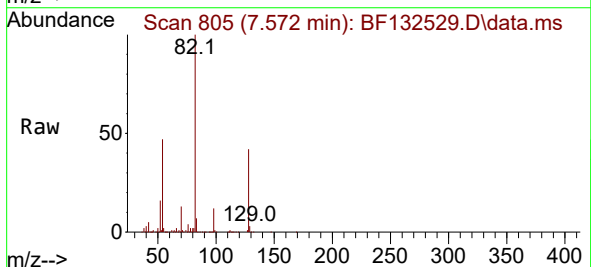
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

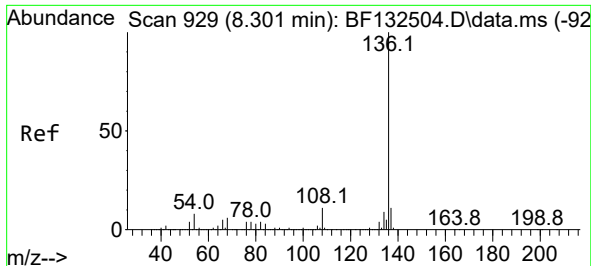
Tgt Ion: 99 Resp: 1006550
Ion Ratio Lower Upper
99 100
42 18.3 13.9 20.9
71 37.8 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.789 ng
RT: 7.572 min Scan# 805
Delta R.T. 0.147 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Tgt Ion: 70 Resp: 90257
Ion Ratio Lower Upper
70 100
42 40.5 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

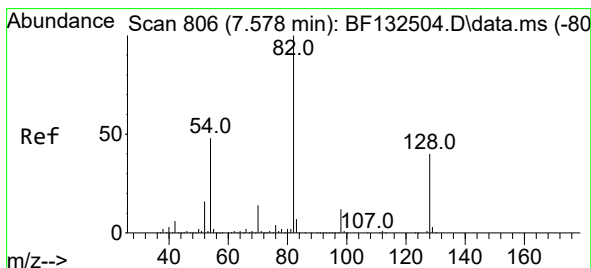
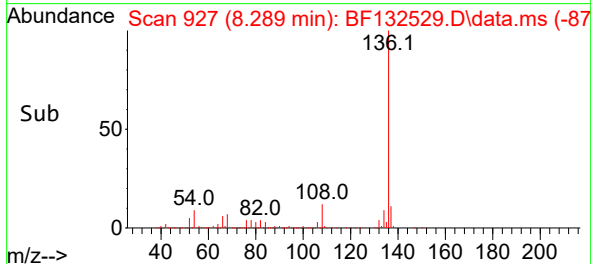
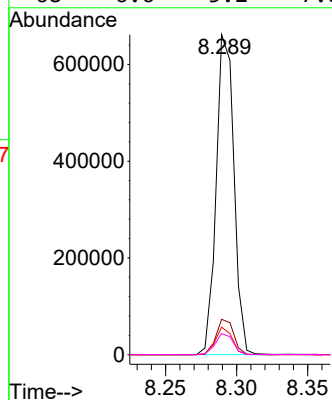
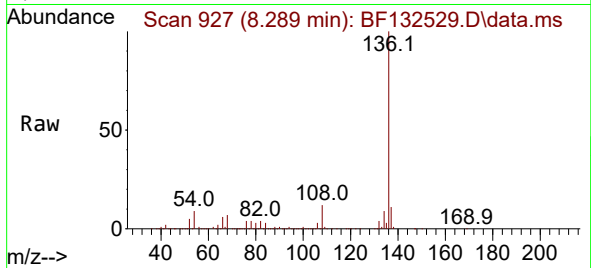




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

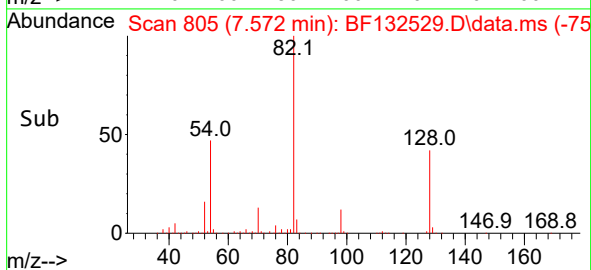
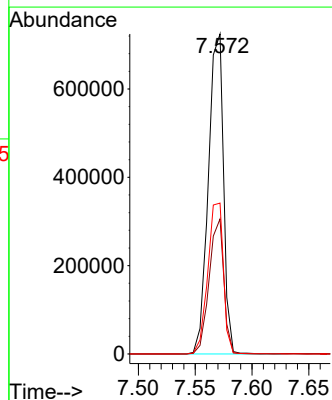
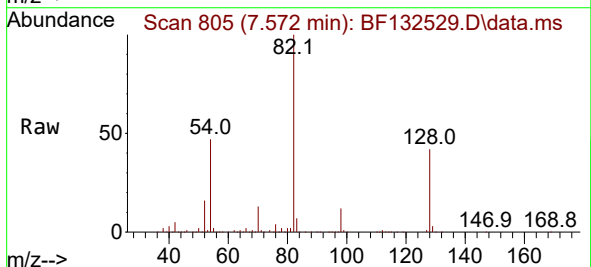
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

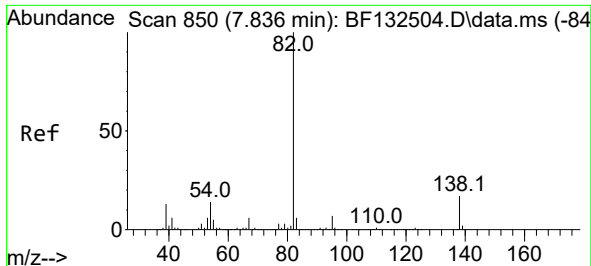
Tgt Ion:136 Resp: 576020
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.6 6.2 9.4
68 6.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 55.280 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

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

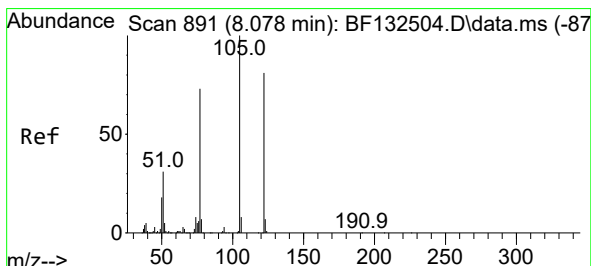
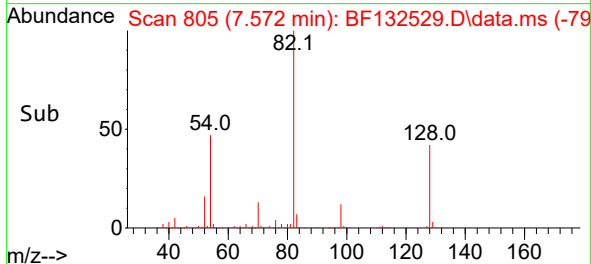
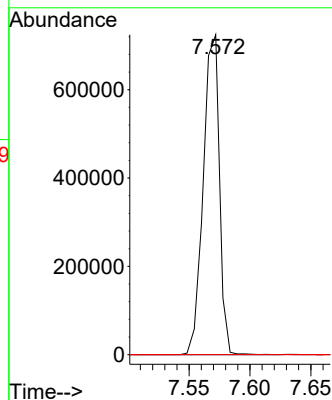
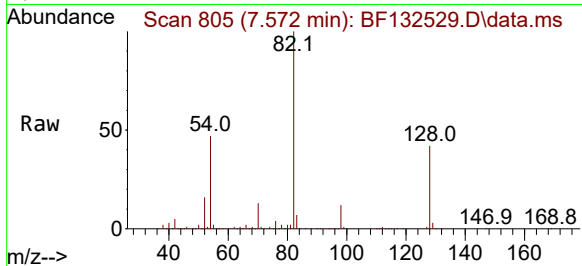




#25
Isophorone
Concen: 28.833 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.265 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

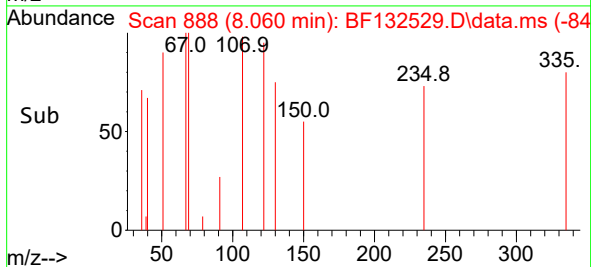
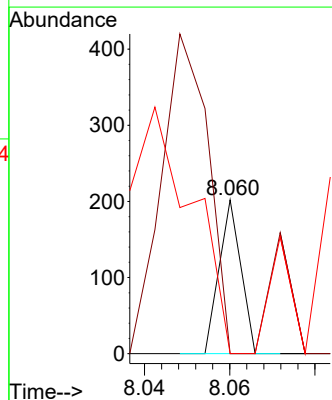
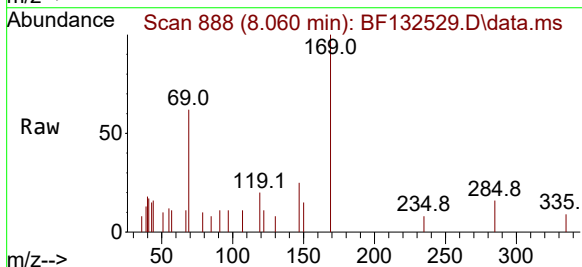
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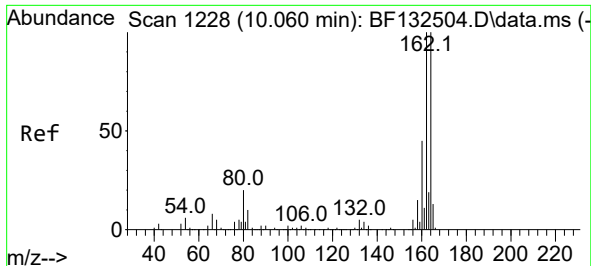
Tgt Ion: 82 Resp: 671140
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.845 ng
RT: 8.060 min Scan# 888
Delta R.T. -0.018 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Tgt Ion: 122 Resp: 71
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 0.0 70.2 110.2#

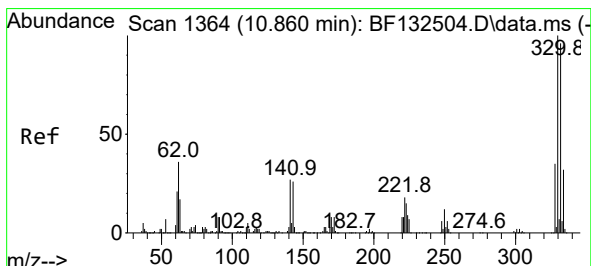
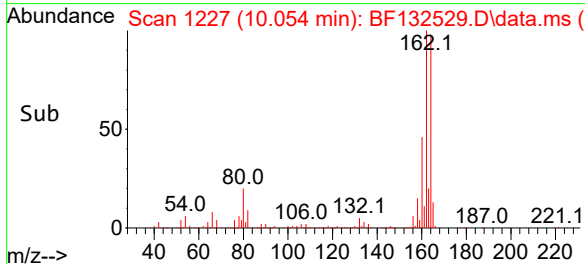
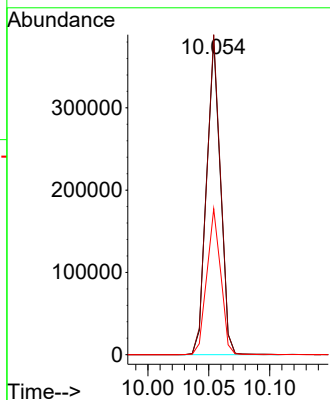
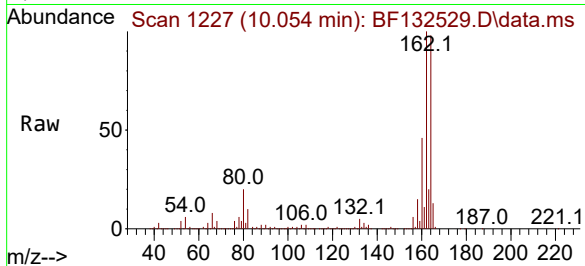




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

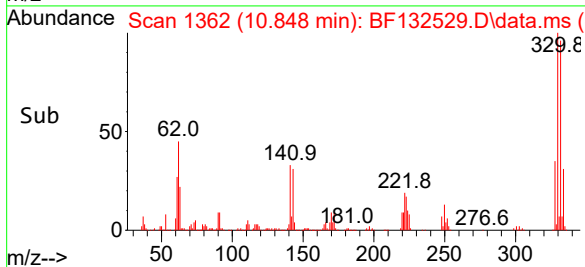
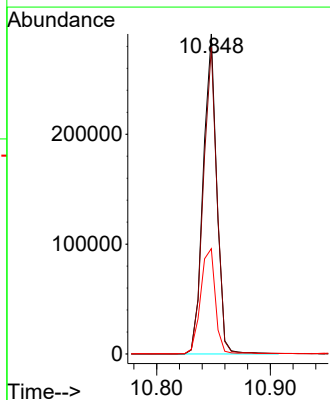
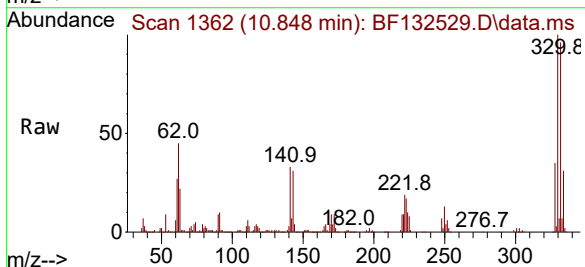
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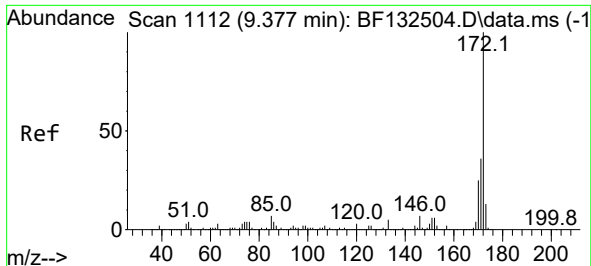
Tgt Ion:164 Resp: 302694
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 46.3 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 73.685 ng
RT: 10.848 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Tgt Ion:330 Resp: 240873
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 35.9 28.4 42.6

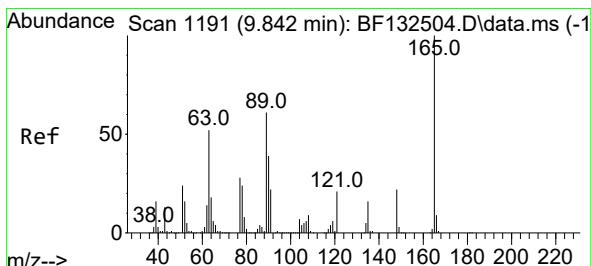
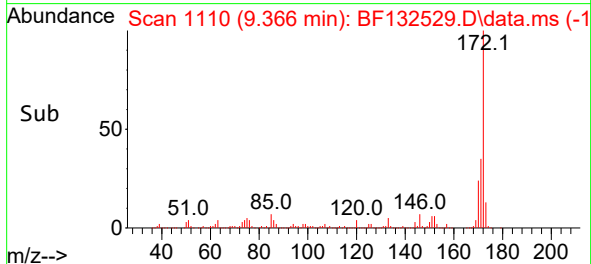
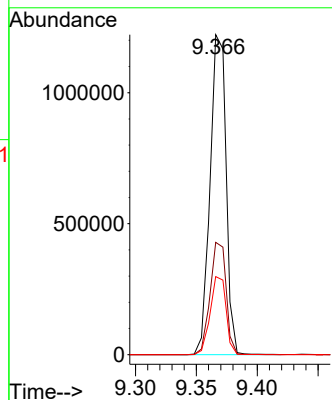
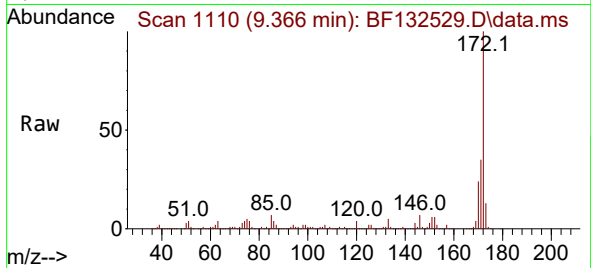




#45
2-Fluorobiphenyl
Concen: 56.441 ng
RT: 9.366 min Scan# 1112
Delta R.T. -0.011 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

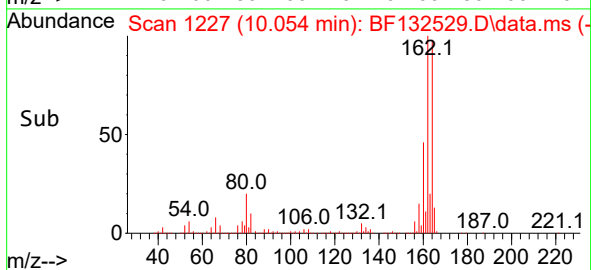
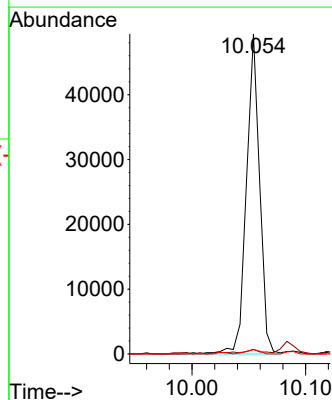
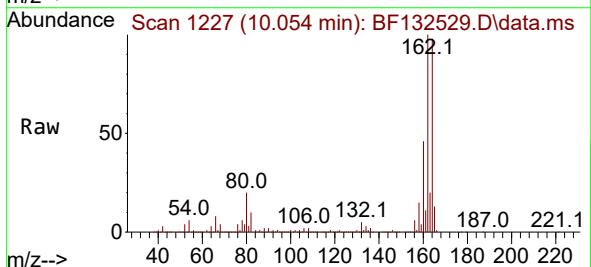
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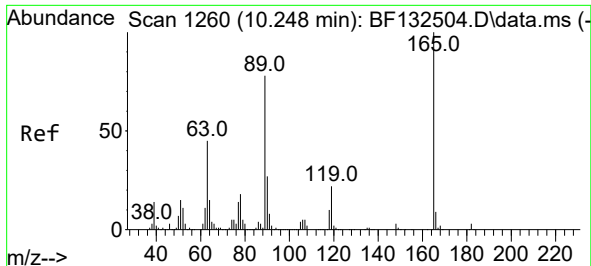
Tgt Ion:172 Resp: 1122005
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 24.4 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.952 ng
RT: 10.054 min Scan# 1227
Delta R.T. 0.212 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Tgt Ion:165 Resp: 39914
Ion Ratio Lower Upper
165 100
63 1.4 47.3 70.9#
89 1.3 48.9 73.3#

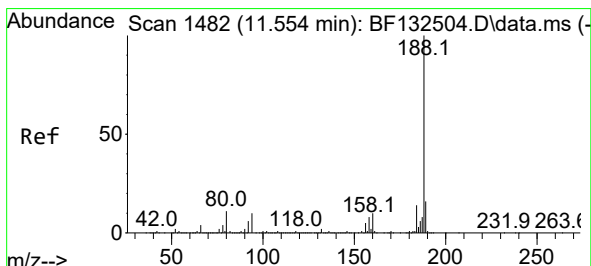
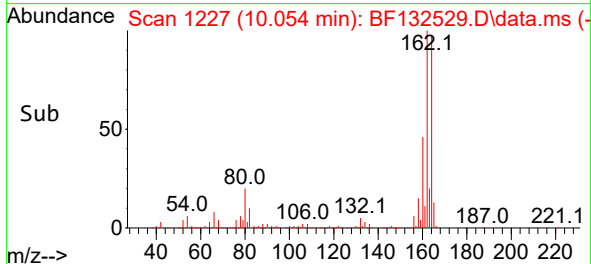
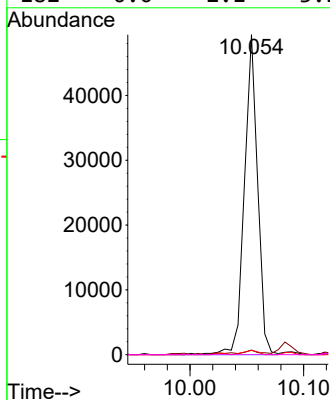
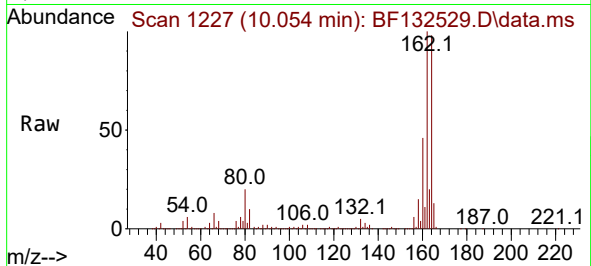




#57
2,4-Dinitrotoluene
Concen: 5.977 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

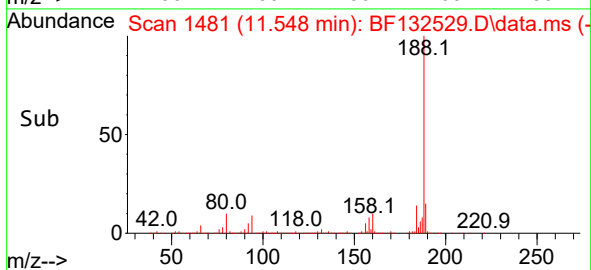
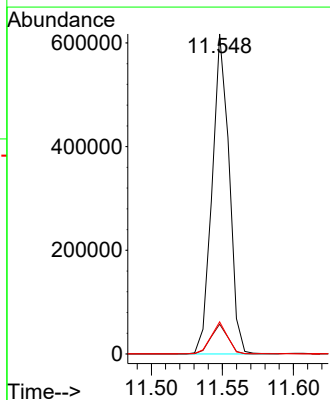
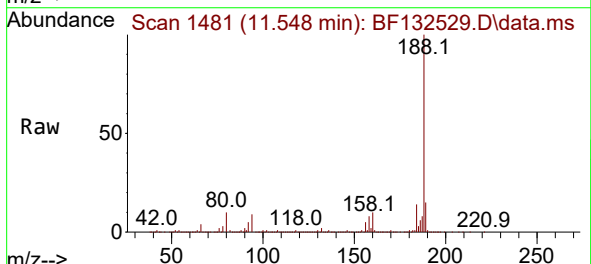
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

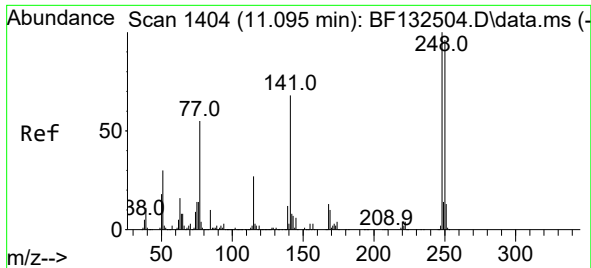
Tgt Ion:165 Resp: 39914
Ion Ratio Lower Upper
165 100
63 1.4 36.5 54.7#
89 1.3 62.4 93.6#
182 0.0 2.1 3.1#



#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

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

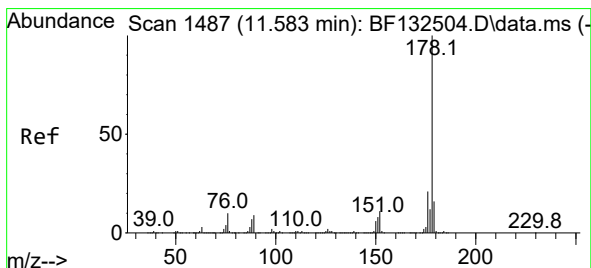
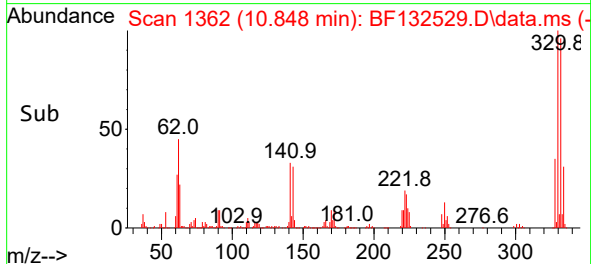
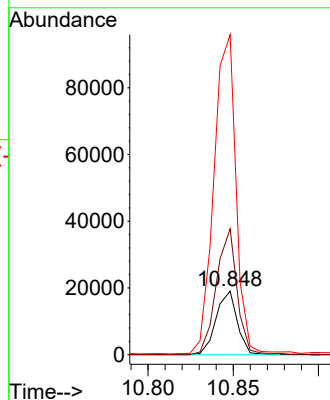
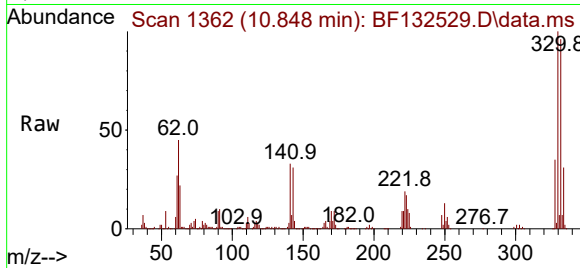




#67
4-Bromophenyl-phenylether
Concen: 2.812 ng
RT: 10.848 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

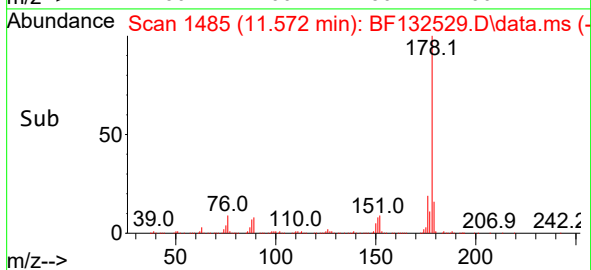
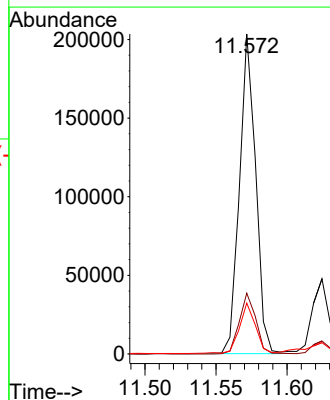
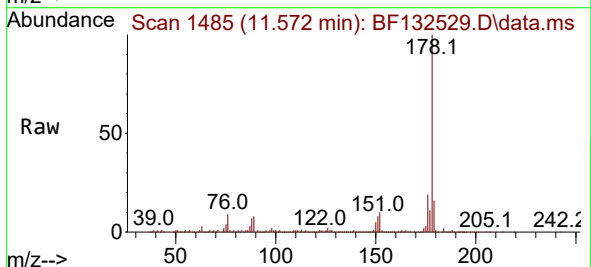
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

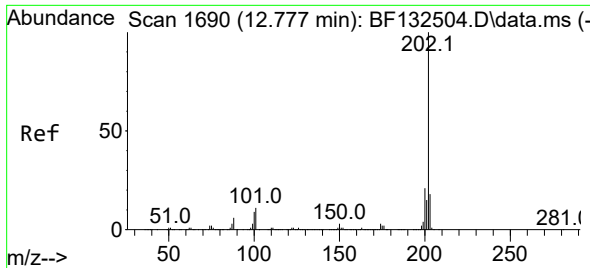
Tgt Ion:248 Resp: 16347
Ion Ratio Lower Upper
248 100
250 198.4 77.0 115.4#
141 504.2 54.2 81.2#



#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

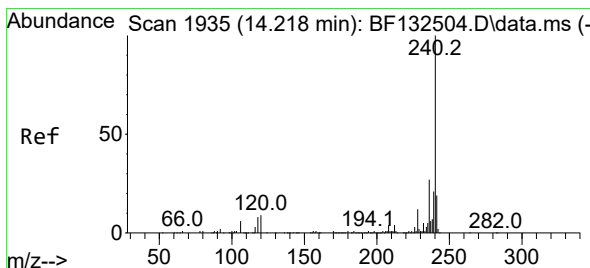
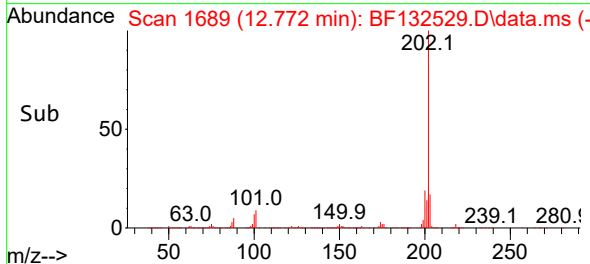
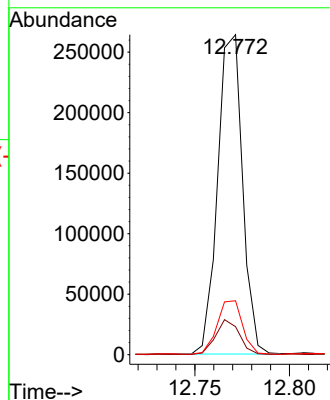
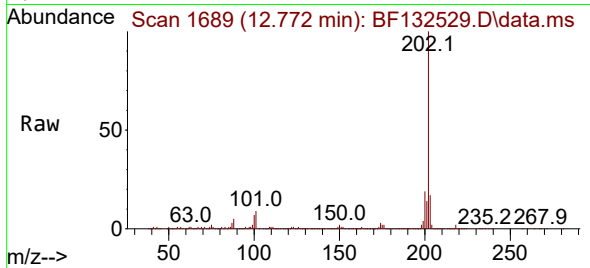




#75
Fluoranthene
Concen: 8.292 ng
RT: 12.772 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

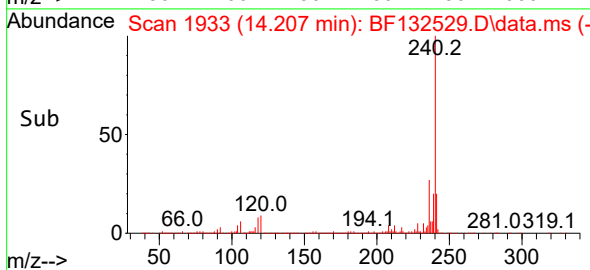
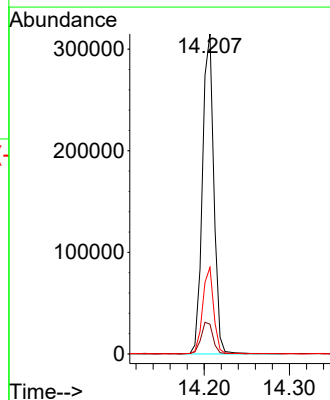
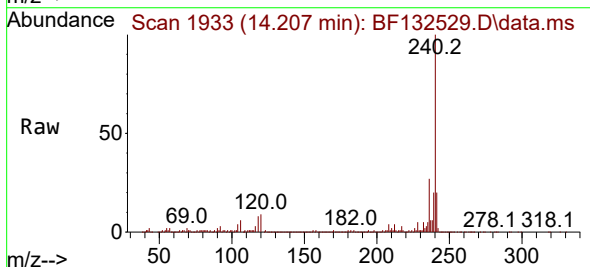
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

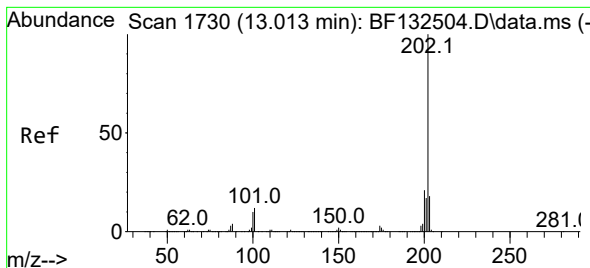
Tgt Ion:202 Resp: 241372
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.4
203 16.8 0.0 38.0



#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

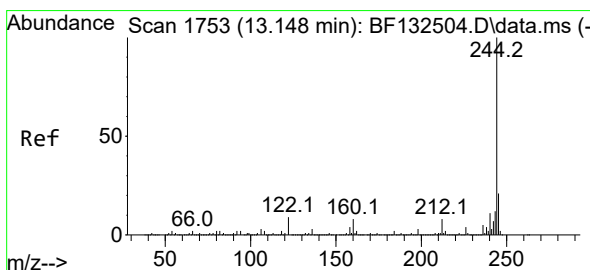
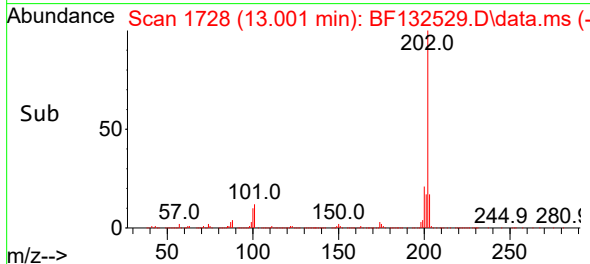
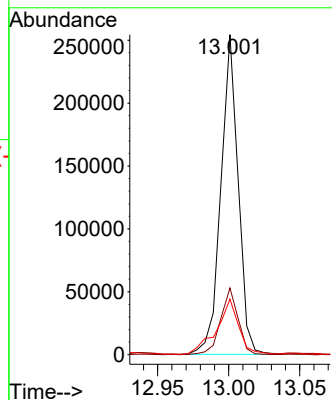
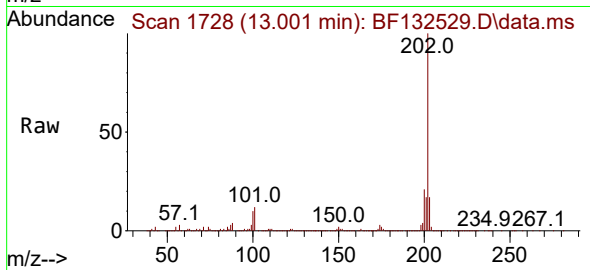
Tgt Ion:202 Resp: 215108

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.4 14.6 21.8



#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

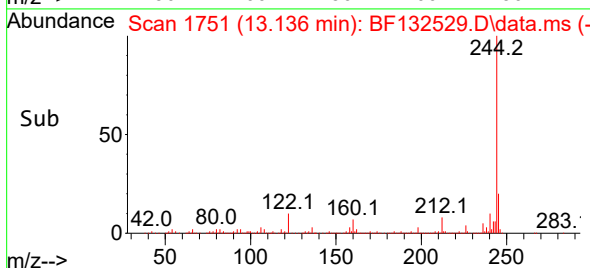
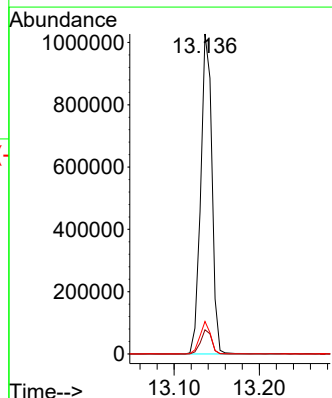
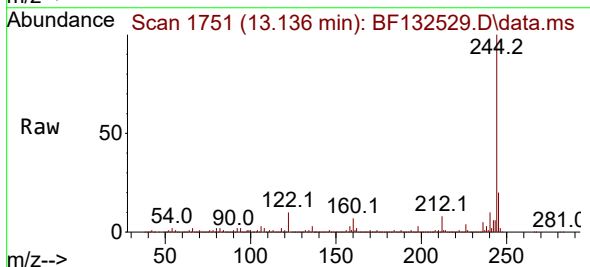
Tgt Ion:244 Resp: 938402

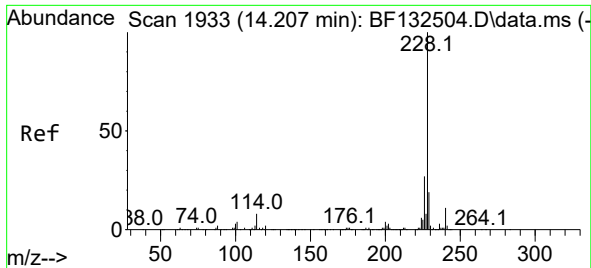
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 10.1 7.5 11.3

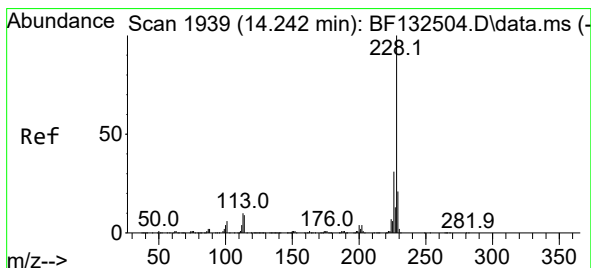
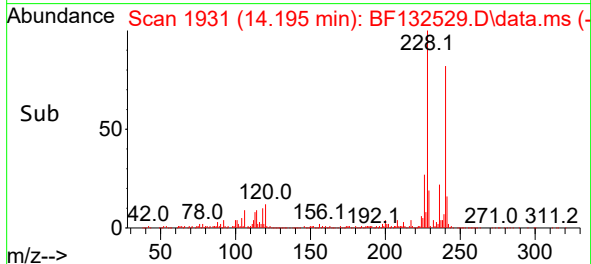
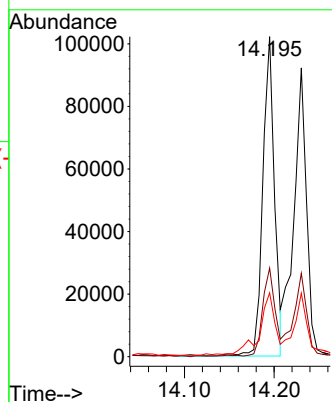
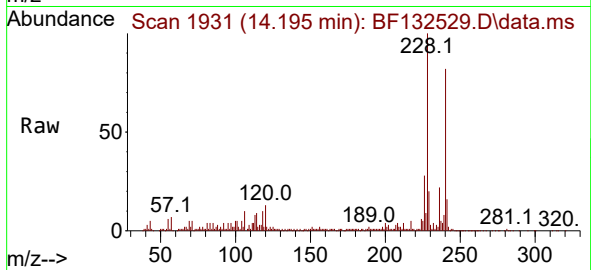




#81
Benzo(a)anthracene
Concen: 4.221 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

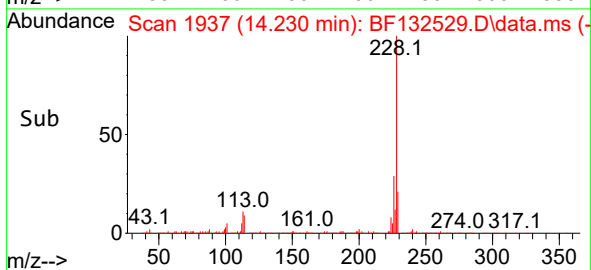
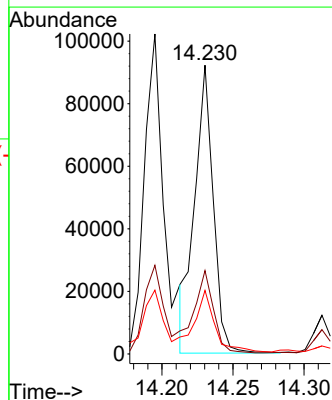
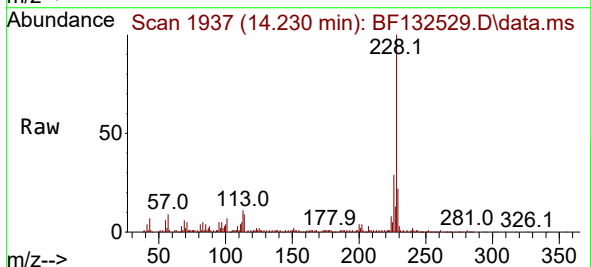
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

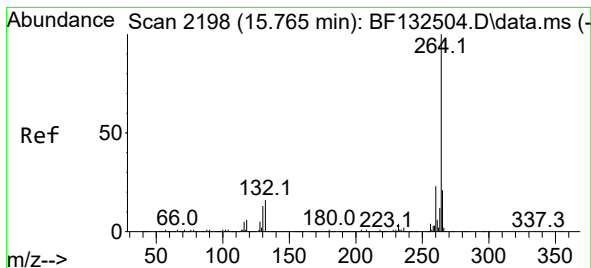
Tgt Ion:228 Resp: 92526
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 19.9 15.4 23.2



#83
Chrysene
Concen: 4.089 ng
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: 83834
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# 2198

Delta R.T. -0.006 min

Lab File: BF132529.D

Acq: 23 Feb 2023 19:51

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-1

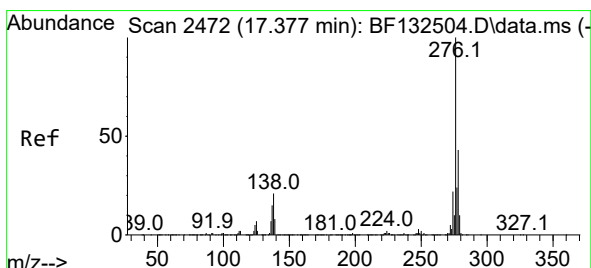
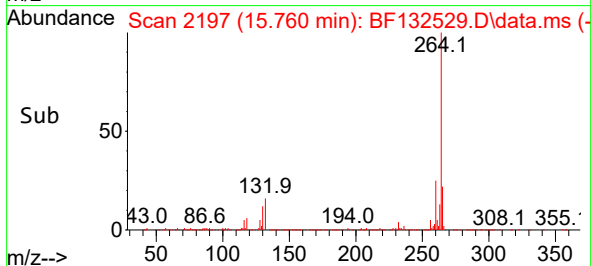
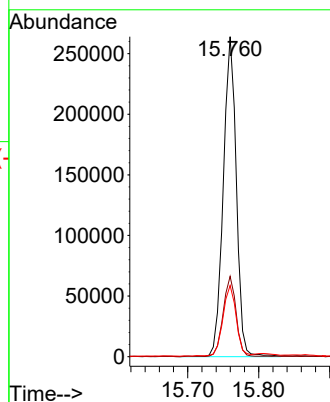
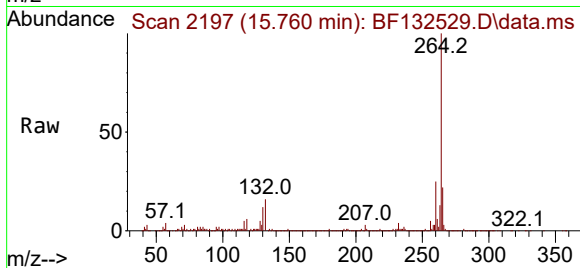
Tgt Ion:264 Resp: 334730

Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

265 22.2 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.692 ng

RT: 17.354 min Scan# 2468

Delta R.T. -0.023 min

Lab File: BF132529.D

Acq: 23 Feb 2023 19:51

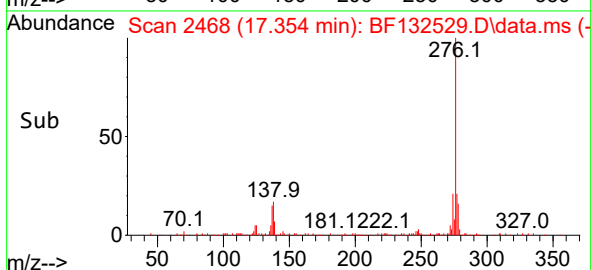
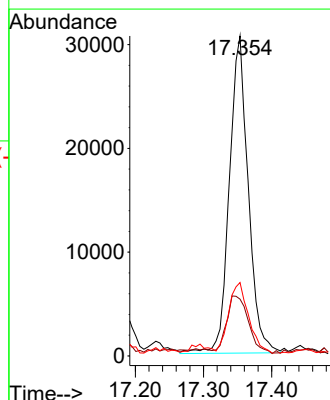
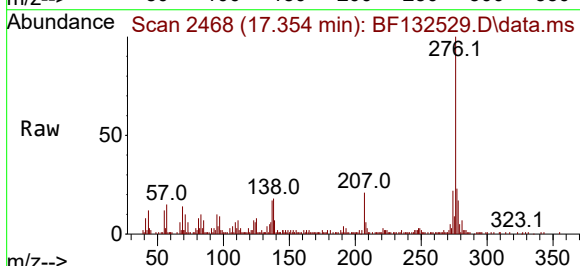
Tgt Ion:276 Resp: 59052

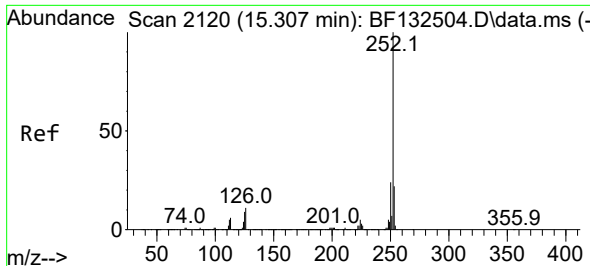
Ion Ratio Lower Upper

276 100

138 21.0 19.0 28.4

277 23.4 20.0 30.0

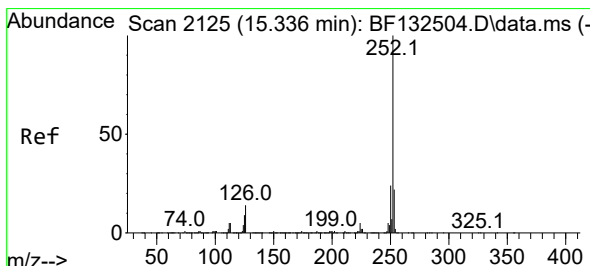
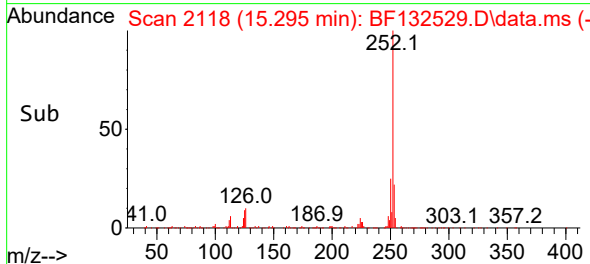
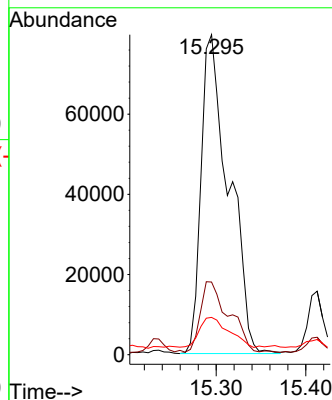
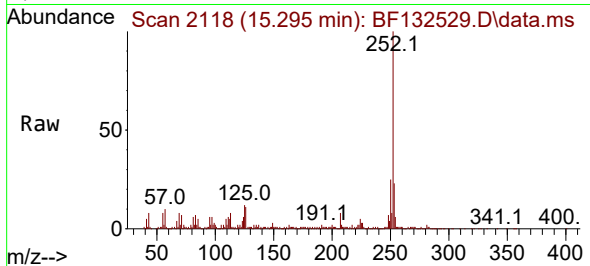




#88
Benzo(b)fluoranthene
Concen: 7.621 ng
RT: 15.295 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

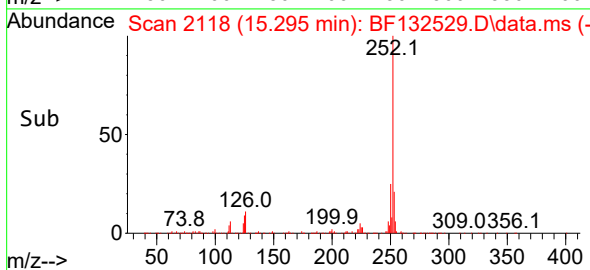
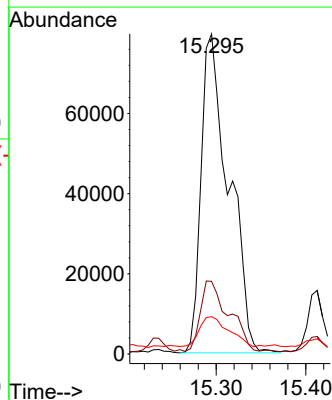
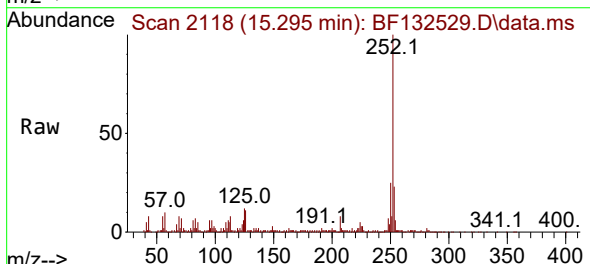
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-1

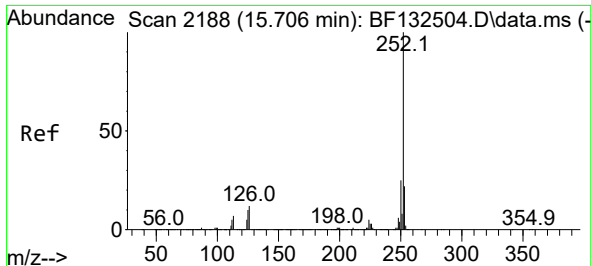
Tgt Ion:252 Resp: 170944
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.6 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 7.786 ng
RT: 15.295 min Scan# 2118
Delta R.T. -0.041 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

Tgt Ion:252 Resp: 170944
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.6 7.2 10.8#

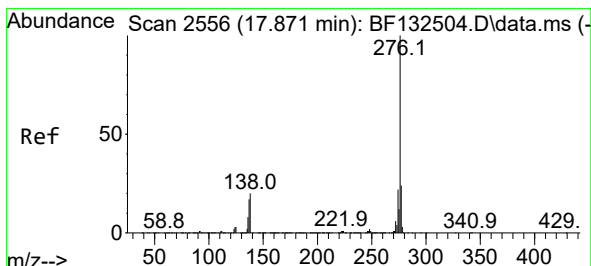
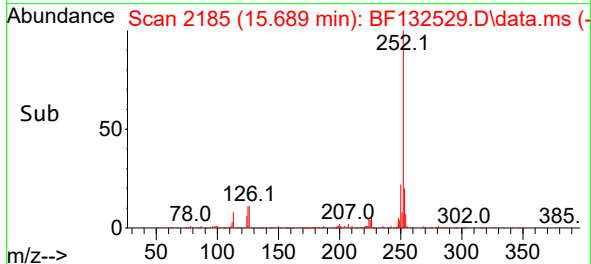
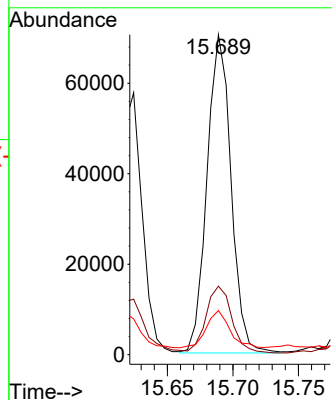
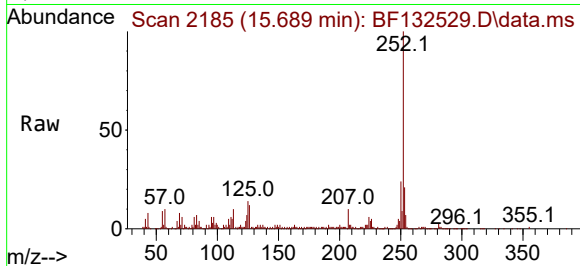




#90
Benzo(a)pyrene
Concen: 4.277 ng
RT: 15.689 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF132529.D
Acq: 23 Feb 2023 19:51

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#



#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

