

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

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)

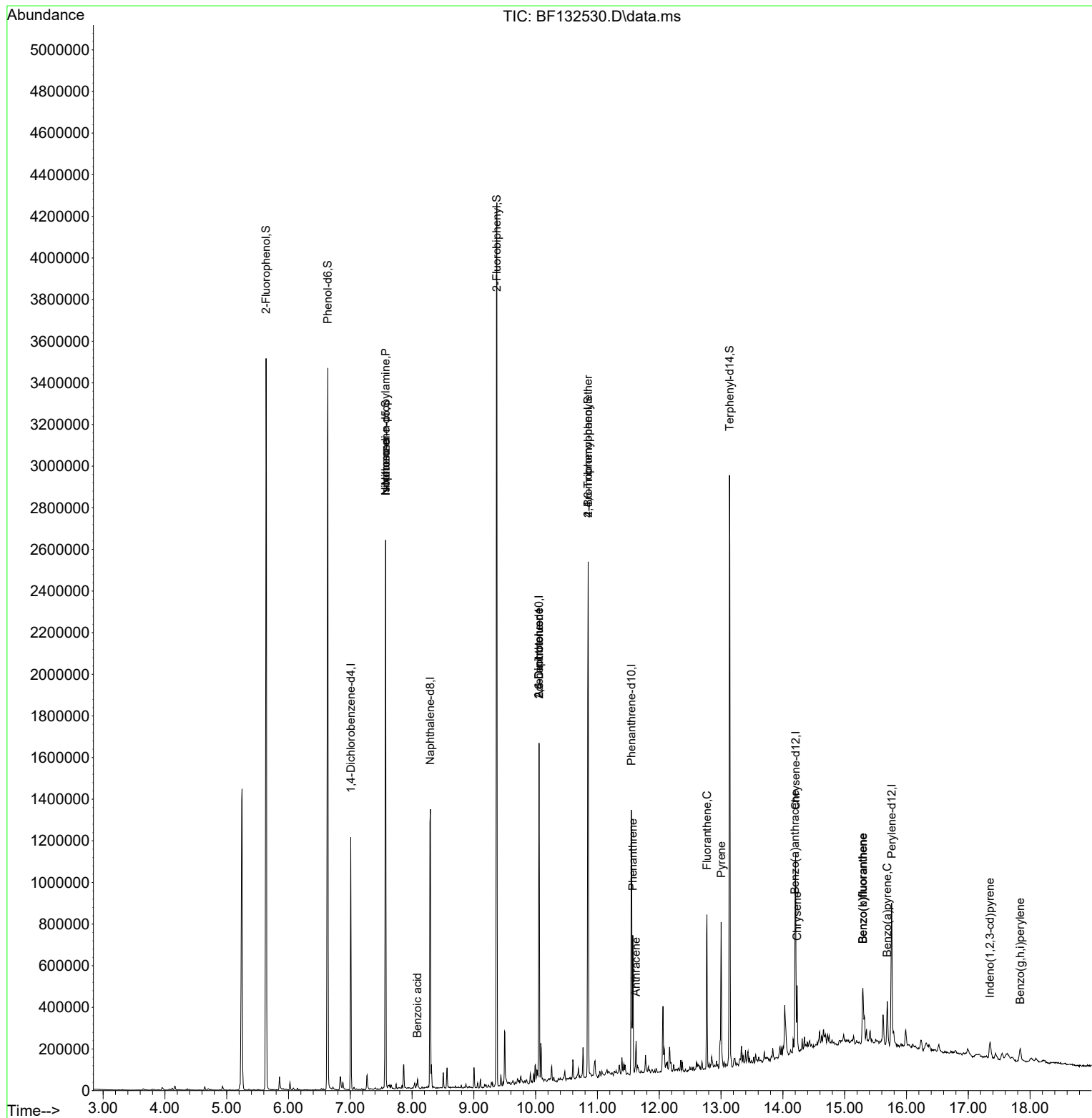
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	154659	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	573616	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	293104	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	458920	20.000	ng	0.00
76) Chrysene-d12	14.207	240	287530	20.000	ng	-0.01
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.572	70	109980	14.369	ng	# 77
25) Isophorone	7.572	82	807703	34.845	ng	# 67
32) Benzoic acid	8.084	122	116	3.851	ng	# 1
51) 2,6-Dinitrotoluene	10.054	165	38500	7.921	ng	# 23
57) 2,4-Dinitrotoluene	10.054	165	38500	5.954	ng	# 21
67) 4-Bromophenyl-phenylether	10.848	248	18186	3.503	ng	# 1
71) Phenanthrene	11.572	178	227891	9.586	ng	97
72) Anthracene	11.624	178	55165	2.253	ng	99
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
87) Indeno(1,2,3-cd)pyrene	17.354	276	55641	2.673	ng	98
88) Benzo(b)fluoranthene	15.295	252	215554	10.124	ng	# 97
89) Benzo(k)fluoranthene	15.295	252	215554	10.345	ng	# 98
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

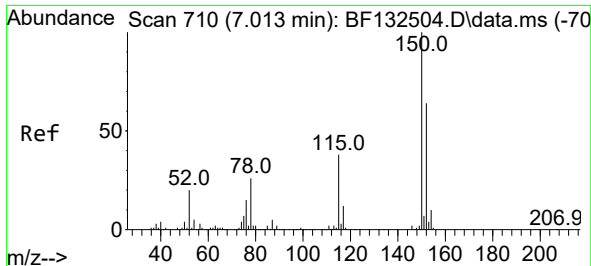
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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
ClientSampleId :
QAQC-COMP-2

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

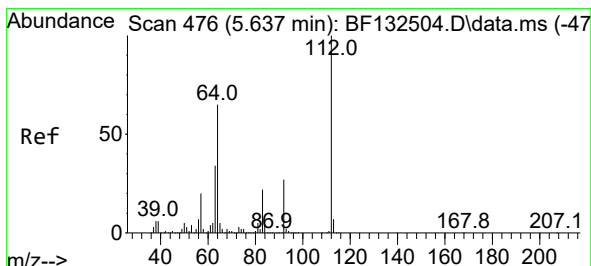
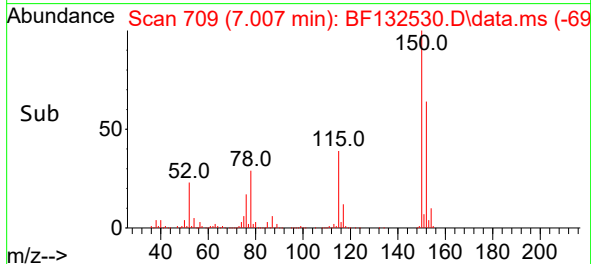
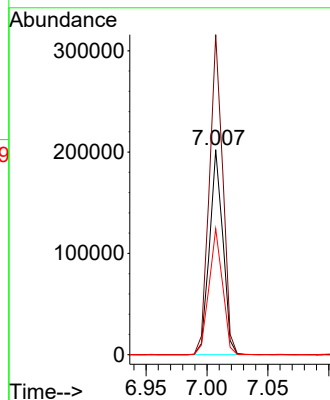
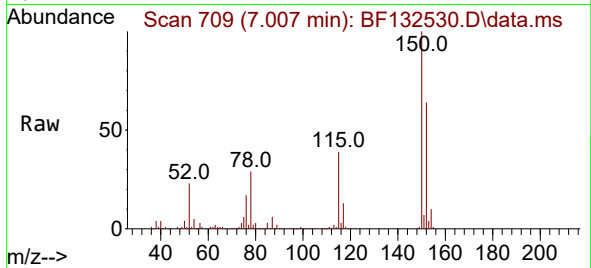




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

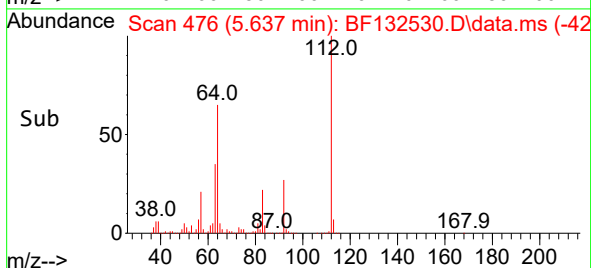
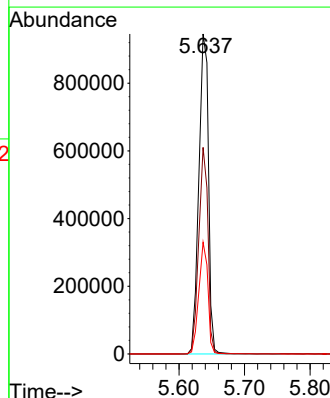
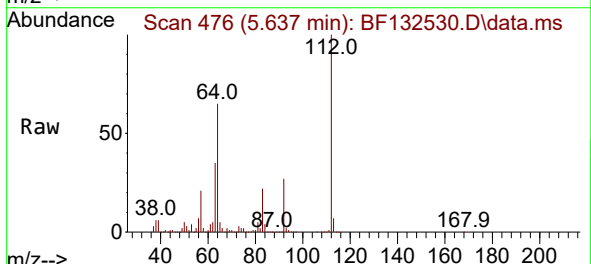
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BNA_F
ClientSampleId :
QAQC-COMP-2

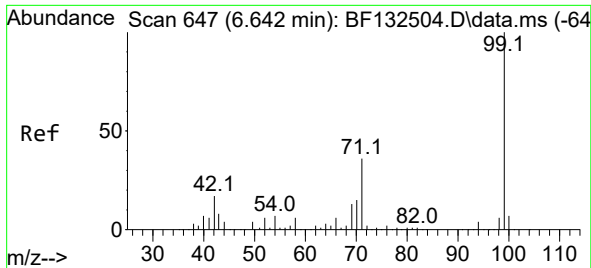
Tgt Ion:152 Resp: 154659
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 61.5 47.8 71.6



#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

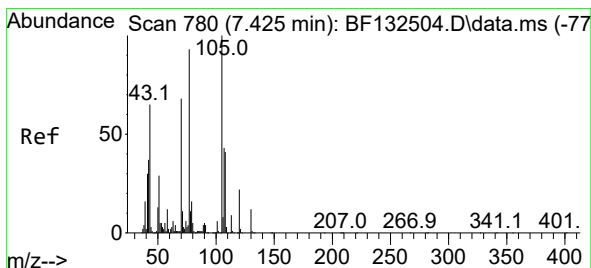
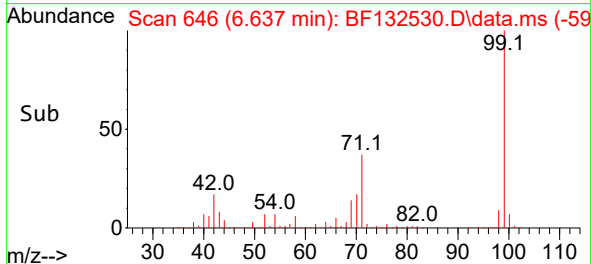
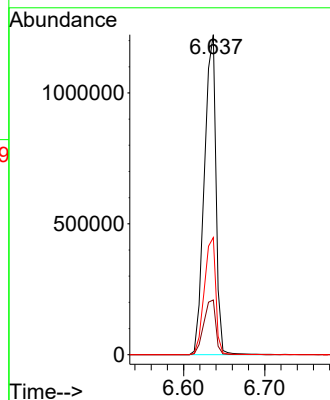
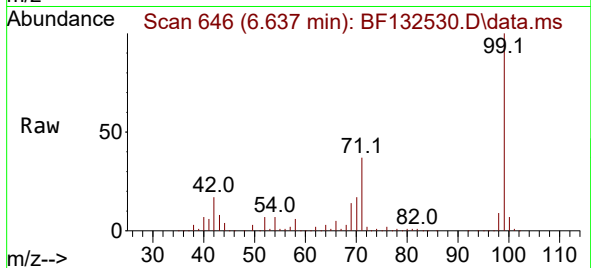




#7
Phenol-d6
Concen: 97.770 ng
RT: 6.637 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

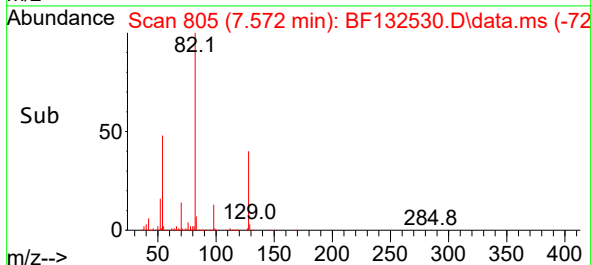
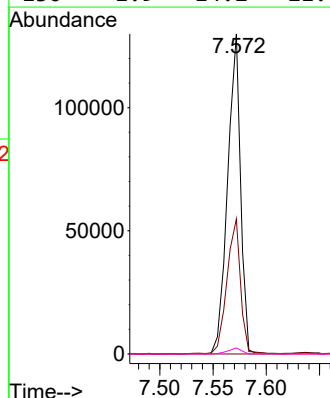
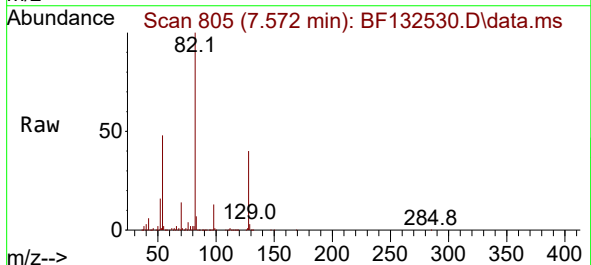
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

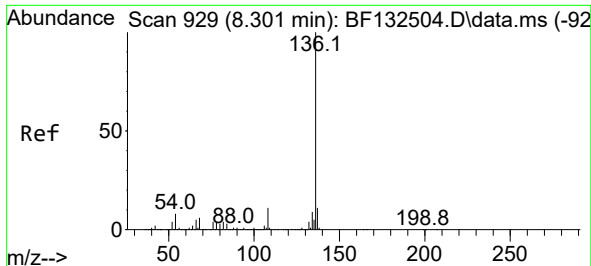
Tgt Ion: 99 Resp: 1215933
Ion Ratio Lower Upper
99 100
42 17.1 13.9 20.9
71 36.6 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.369 ng
RT: 7.572 min Scan# 805
Delta R.T. 0.147 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Tgt Ion: 70 Resp: 109980
Ion Ratio Lower Upper
70 100
42 42.2 44.1 66.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#

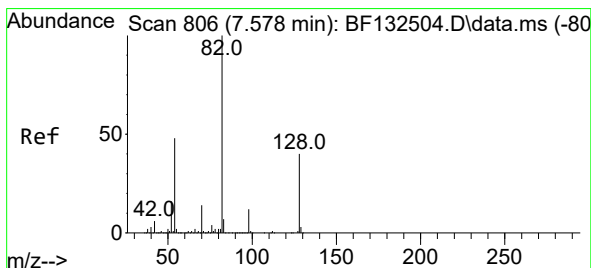
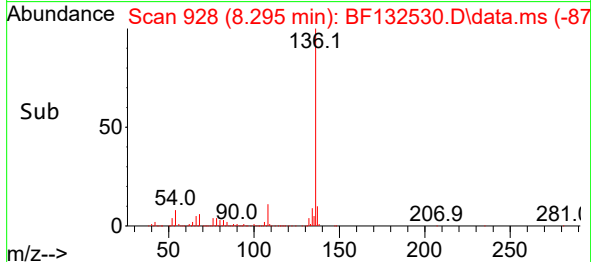
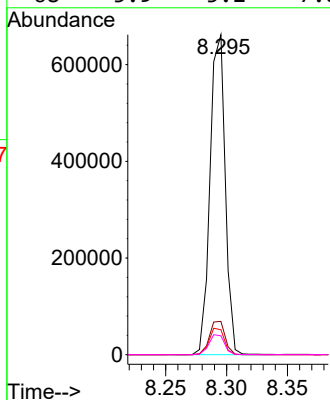
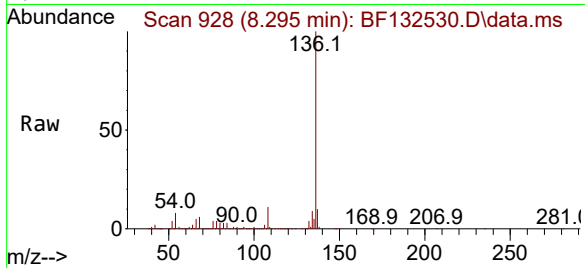




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

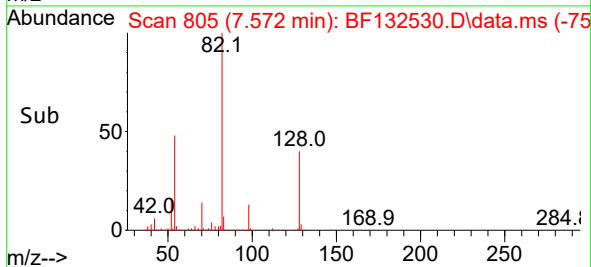
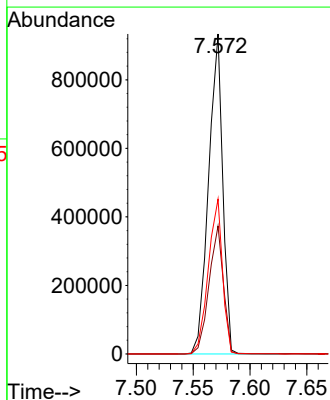
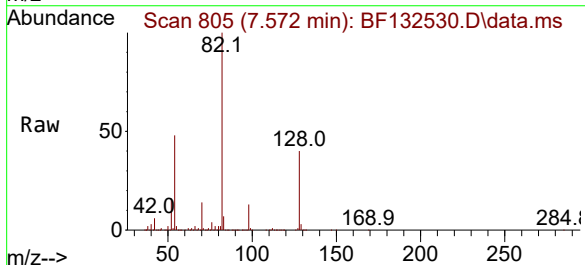
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

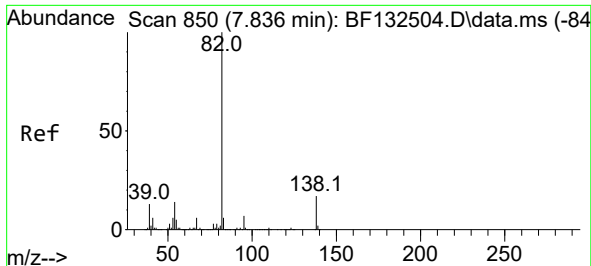
Tgt Ion:136 Resp: 573616
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.8 6.2 9.4
68 5.9 5.2 7.8



#23
Nitrobenzene-d5
Concen: 66.807 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

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

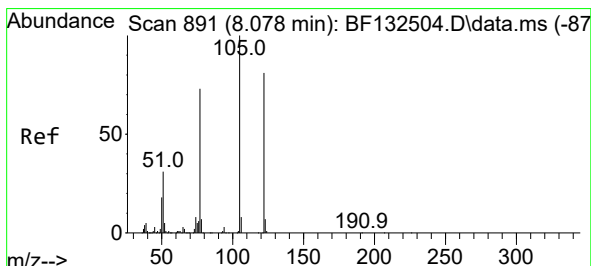
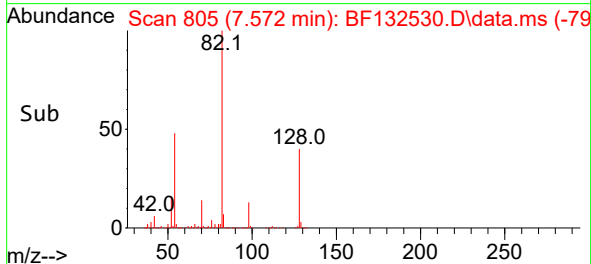
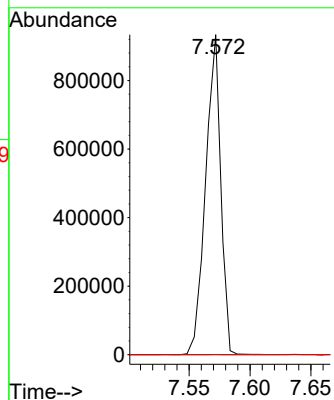
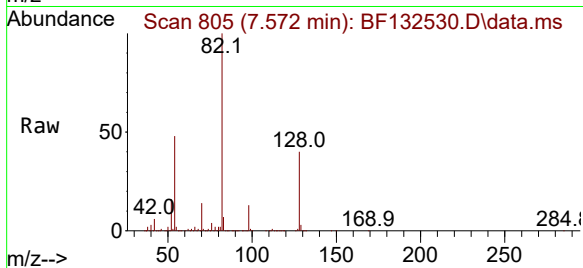




#25
Isophorone
Concen: 34.845 ng
RT: 7.572 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

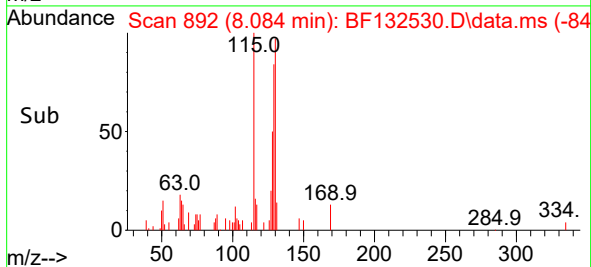
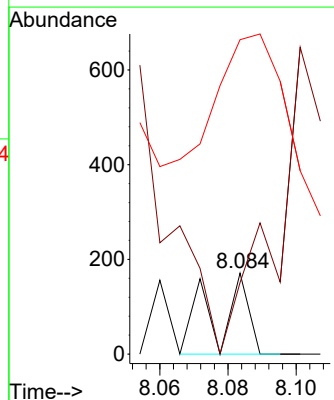
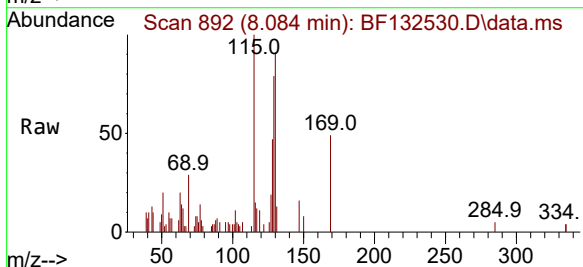
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

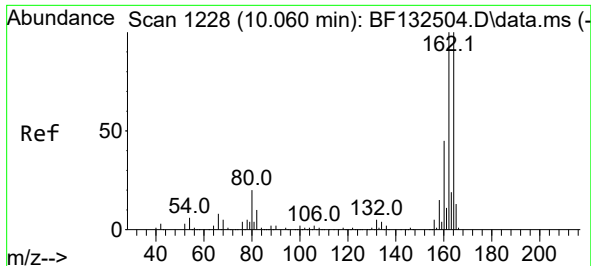
Tgt Ion: 82 Resp: 807703
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.851 ng
RT: 8.084 min Scan# 892
Delta R.T. 0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 88.3 102.6 142.6#
77 388.3 70.2 110.2#

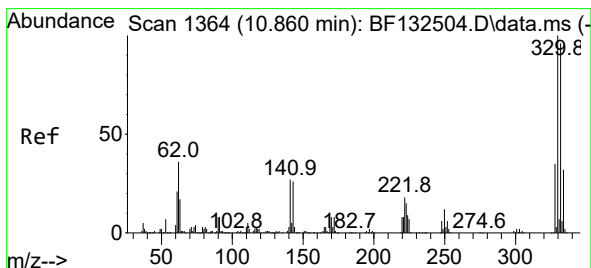
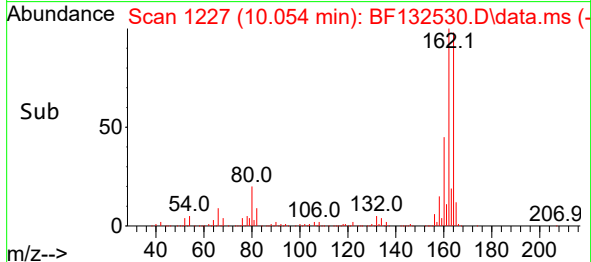
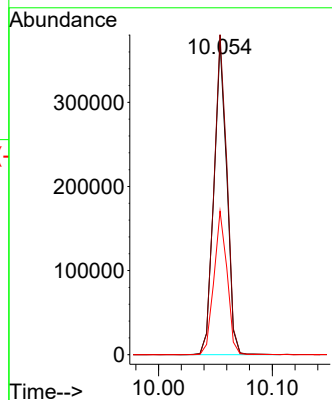
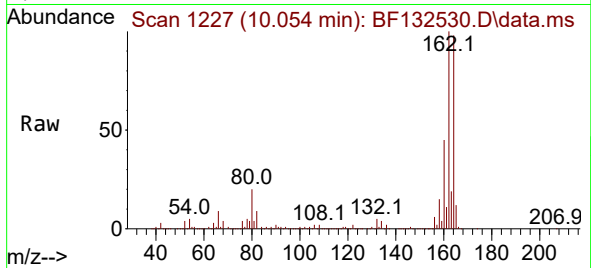




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

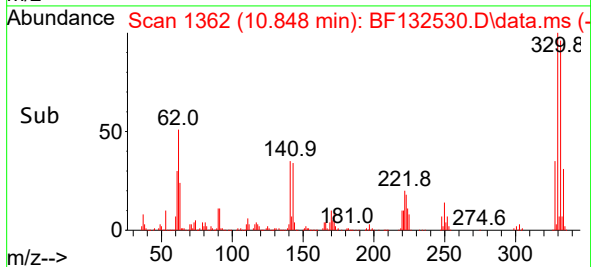
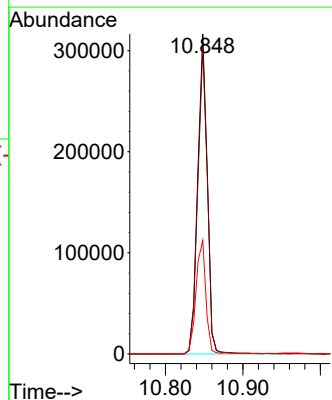
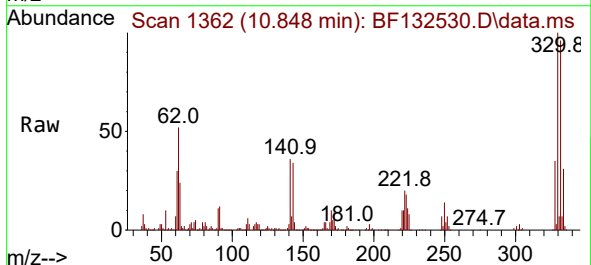
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

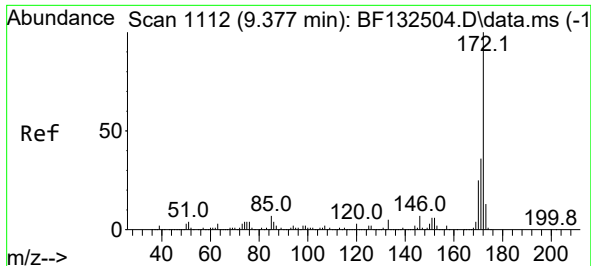
Tgt Ion:164 Resp: 293104
Ion Ratio Lower Upper
164 100
162 102.4 79.8 119.8
160 45.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 86.025 ng
RT: 10.848 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

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

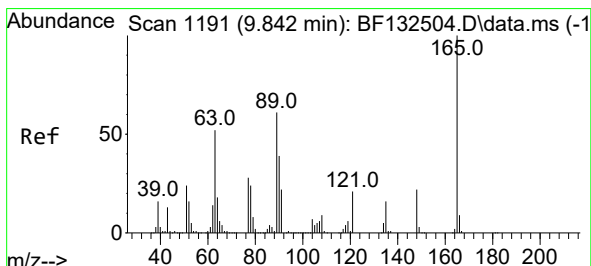
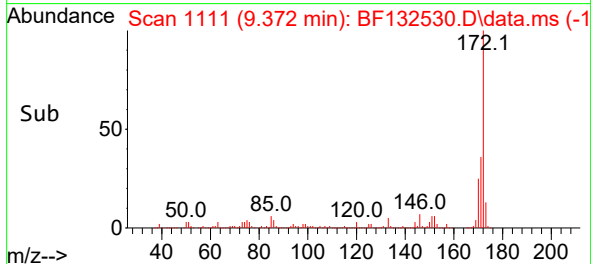
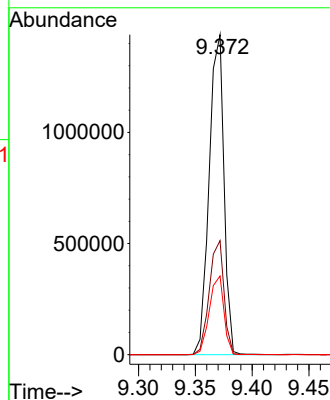
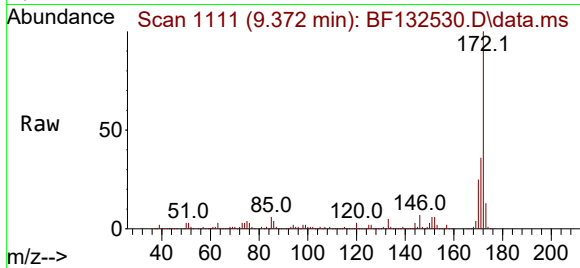




#45
2-Fluorobiphenyl
Concen: 67.744 ng
RT: 9.372 min Scan# 1112
Delta R.T. -0.005 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

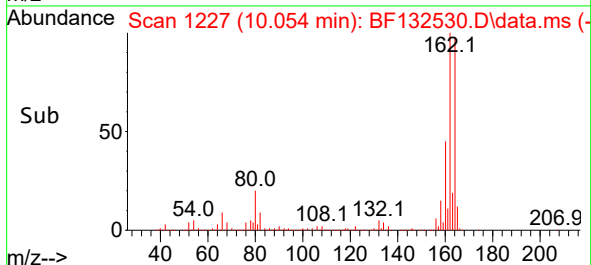
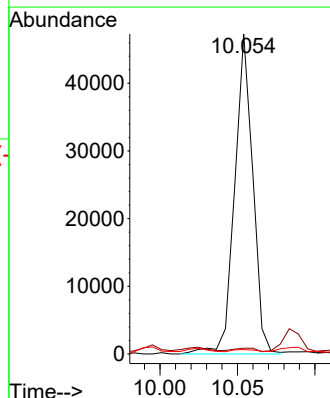
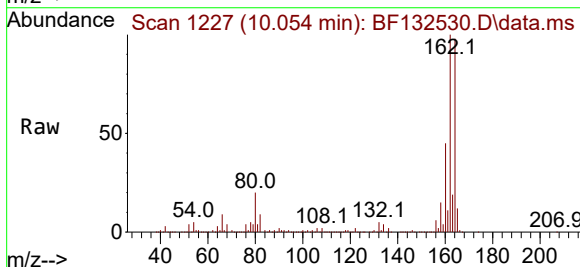
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

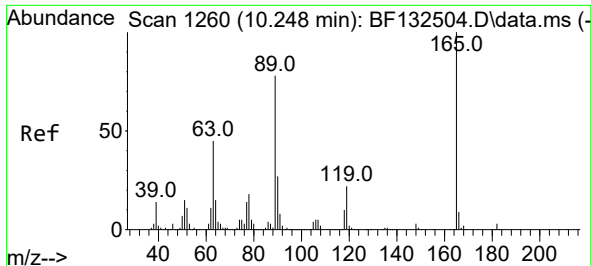
Tgt Ion:172 Resp: 1304033
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.6 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.921 ng
RT: 10.054 min Scan# 1227
Delta R.T. 0.212 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Tgt Ion:165 Resp: 38500
Ion Ratio Lower Upper
165 100
63 1.8 47.3 70.9#
89 1.3 48.9 73.3#





#57

2,4-Dinitrotoluene

Concen: 5.954 ng

RT: 10.054 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF132530.D

Acq: 23 Feb 2023 20:24

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-2

Tgt Ion:165 Resp: 38500

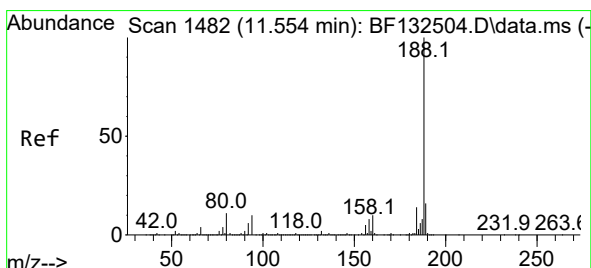
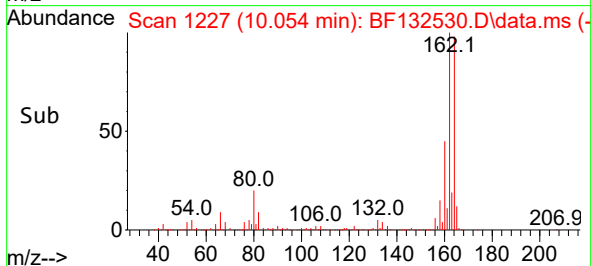
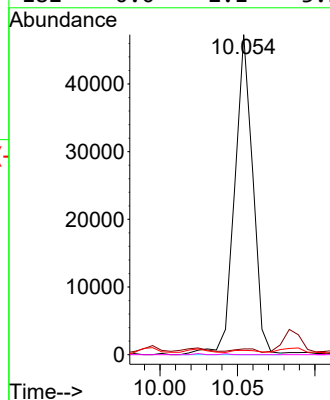
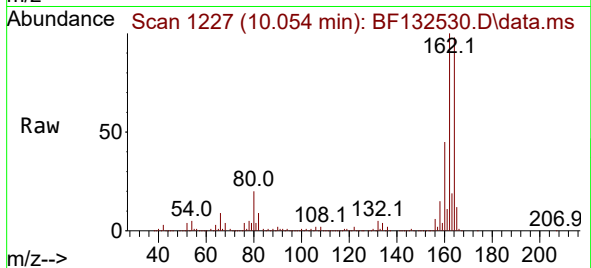
Ion Ratio Lower Upper

165 100

63 1.8 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: BF132530.D

Acq: 23 Feb 2023 20:24

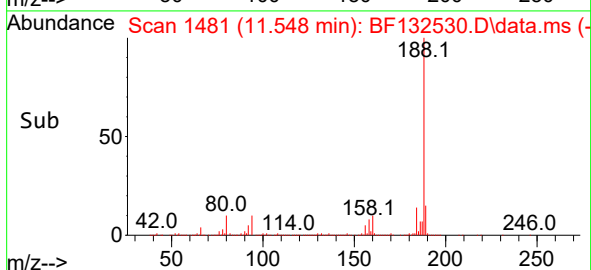
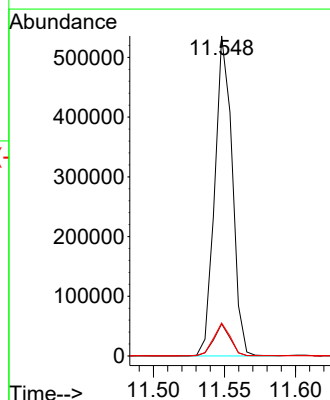
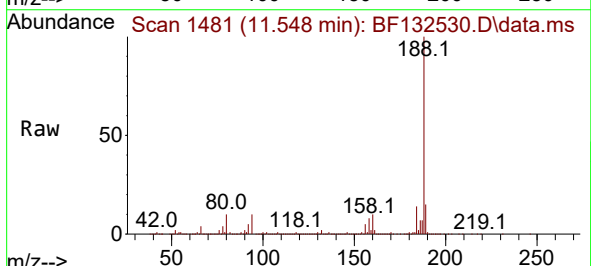
Tgt Ion:188 Resp: 458920

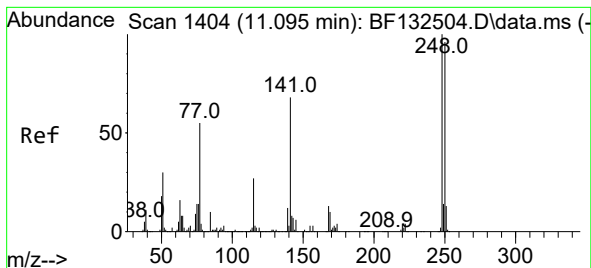
Ion Ratio Lower Upper

188 100

94 10.0 8.3 12.5

80 10.3 8.7 13.1

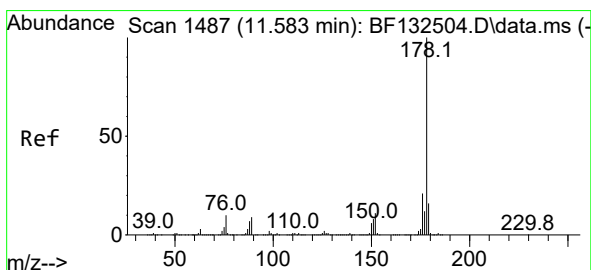
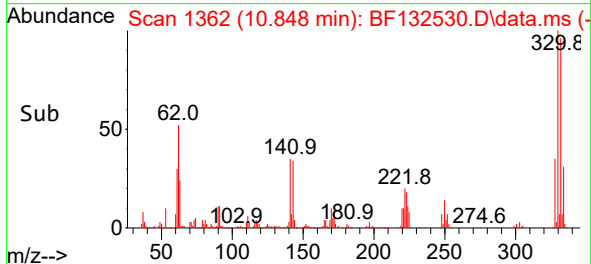
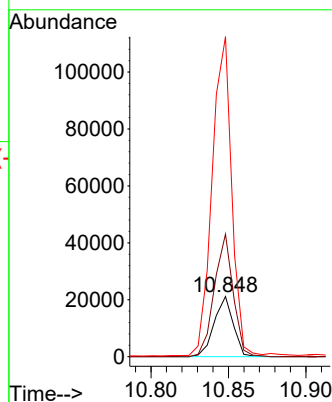
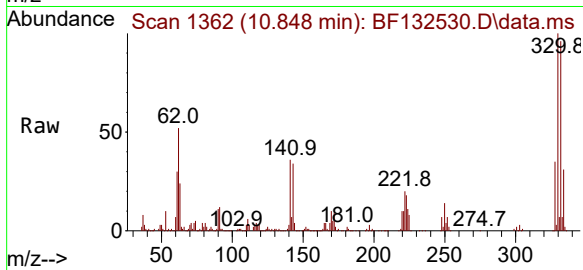




#67
4-Bromophenyl-phenylether
Concen: 3.503 ng
RT: 10.848 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

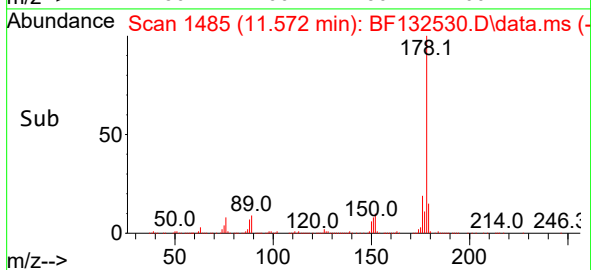
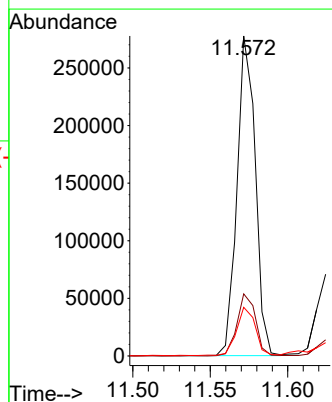
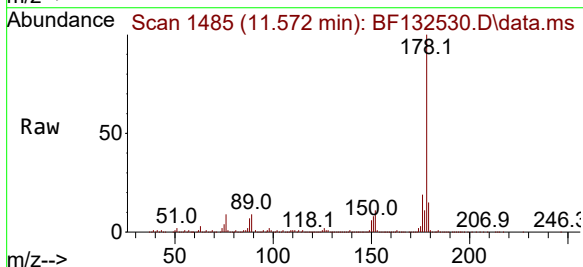
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

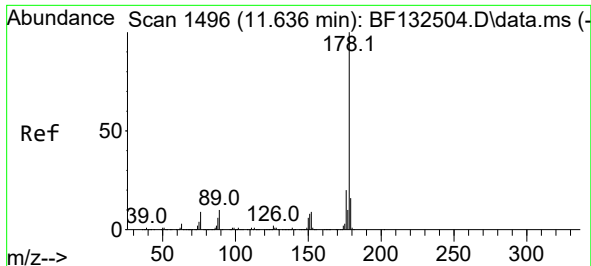
Tgt Ion:248 Resp: 18186
Ion Ratio Lower Upper
248 100
250 204.0 77.0 115.4#
141 532.3 54.2 81.2#



#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

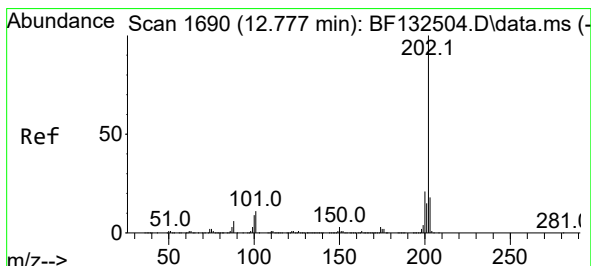
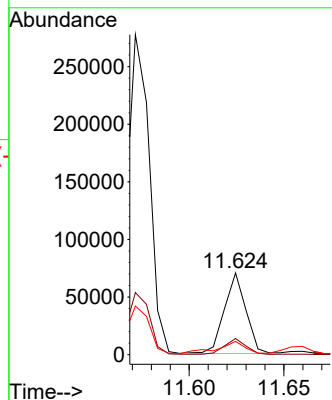
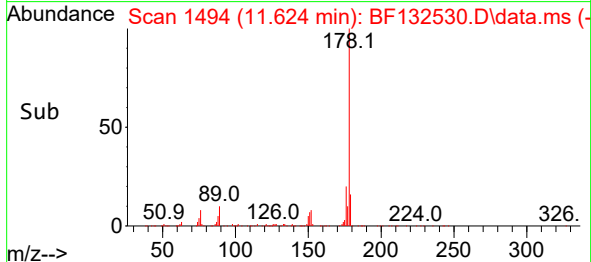
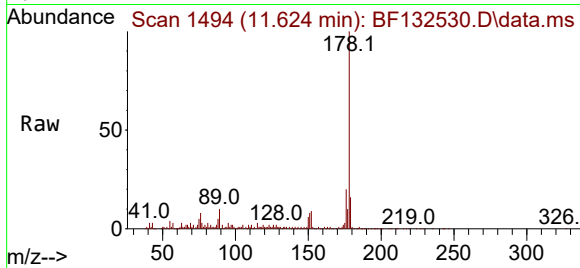




#72
 Anthracene
 Concen: 2.253 ng
 RT: 11.624 min Scan# 1496
 Delta R.T. -0.012 min
 Lab File: BF132530.D
 Acq: 23 Feb 2023 20:24

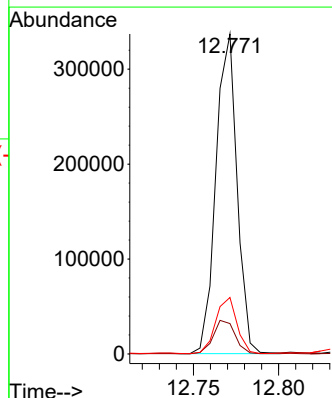
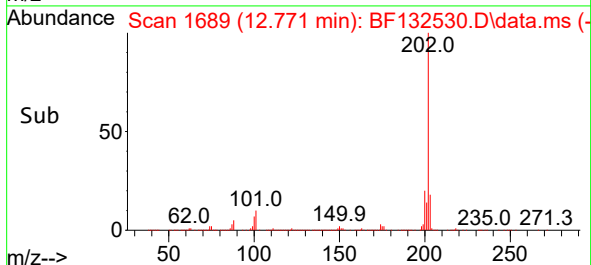
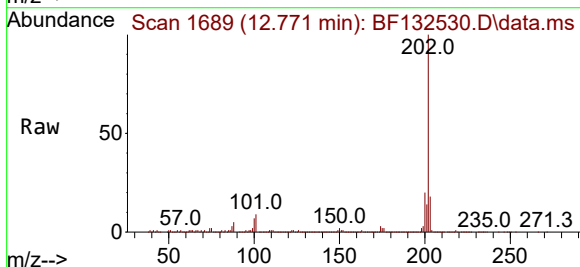
Instrument :
 BNA_F
 ClientSampleId :
 QAQC-COMP-2

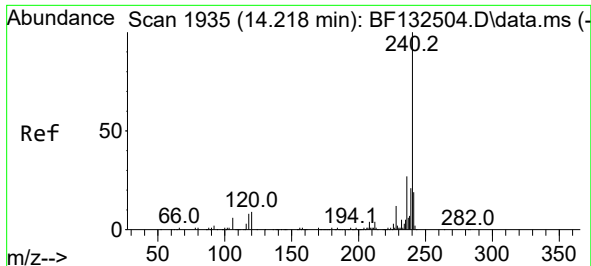
Tgt Ion:178 Resp: 55165
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.6 23.4
 179 16.2 12.5 18.7



#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

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

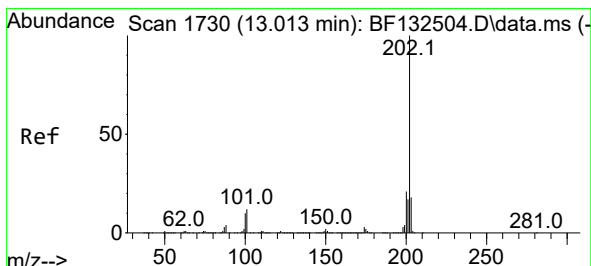
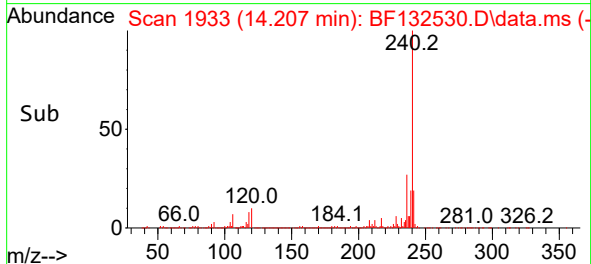
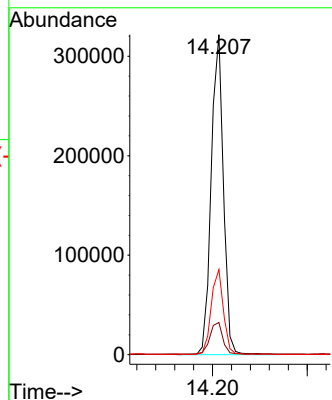
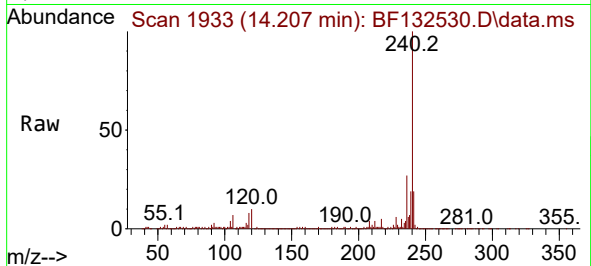




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

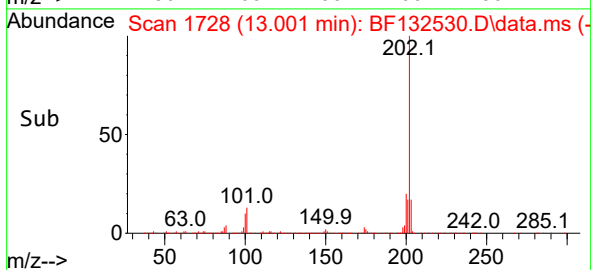
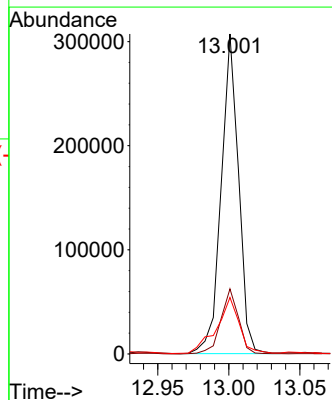
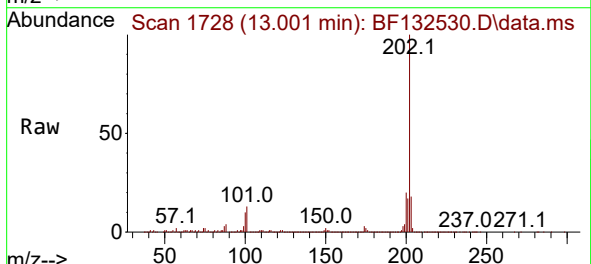
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

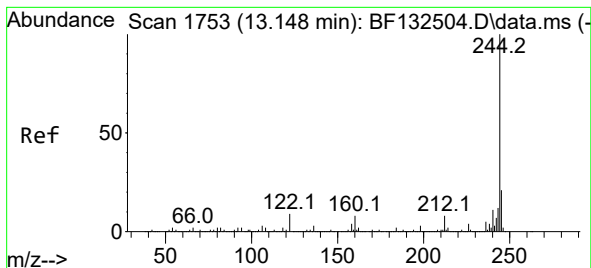
Tgt Ion:240 Resp: 287530
Ion Ratio Lower Upper
240 100
120 10.1 7.2 10.8
236 26.6 21.8 32.6



#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

Tgt Ion:202 Resp: 261136
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 17.7 14.6 21.8





#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

Instrument :

BNA_F

ClientSampleId :

QAQC-COMP-2

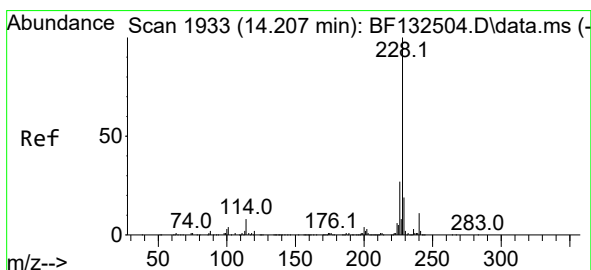
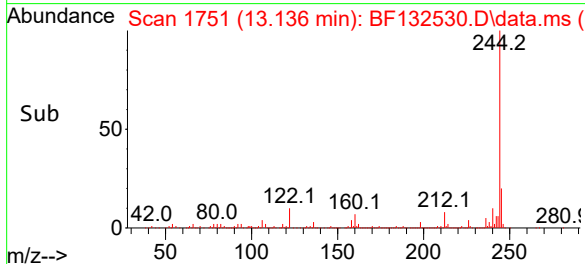
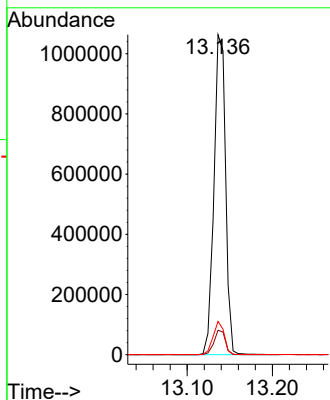
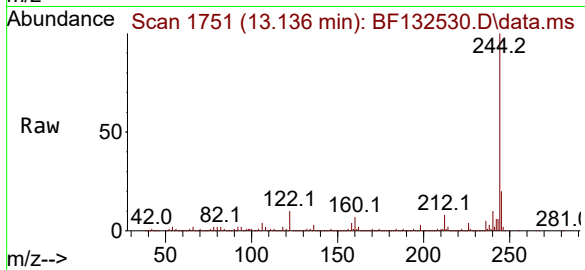
Tgt Ion:244 Resp: 1006559

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

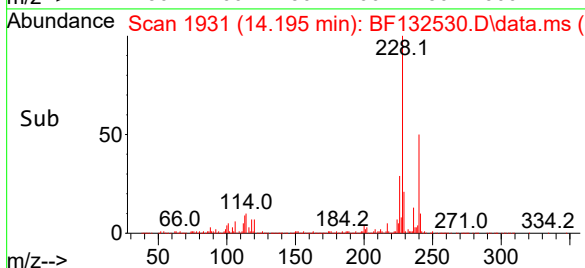
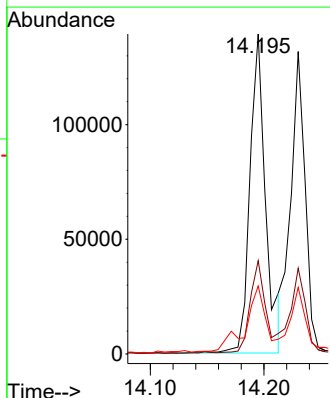
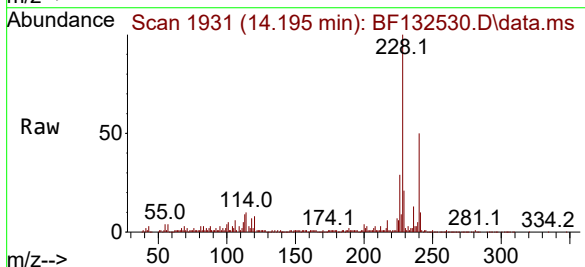
Tgt Ion:228 Resp: 133803

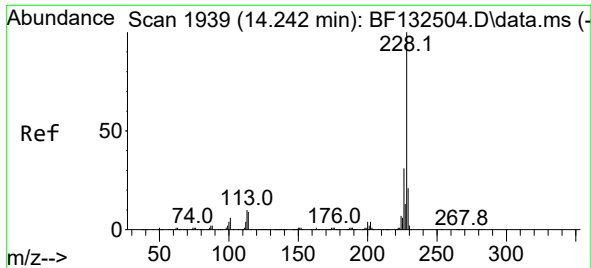
Ion Ratio Lower Upper

228 100

226 29.2 21.7 32.5

229 21.3 15.4 23.2

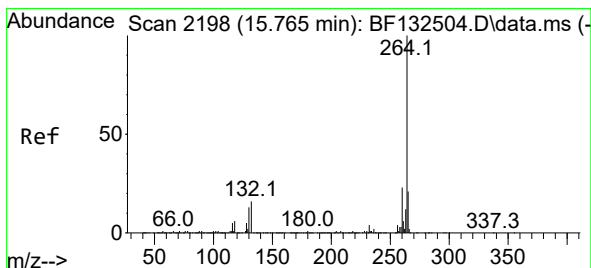
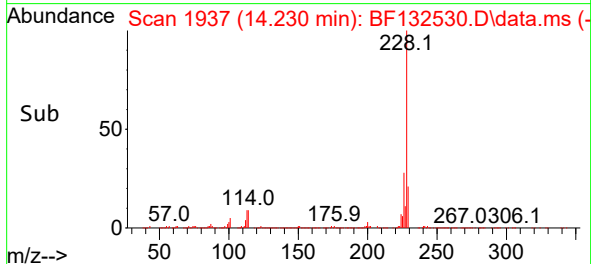
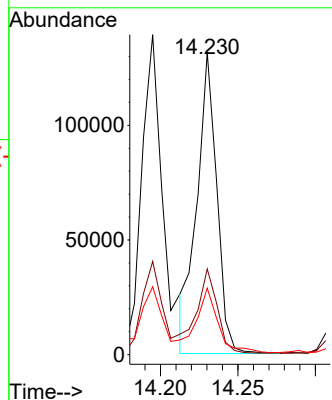
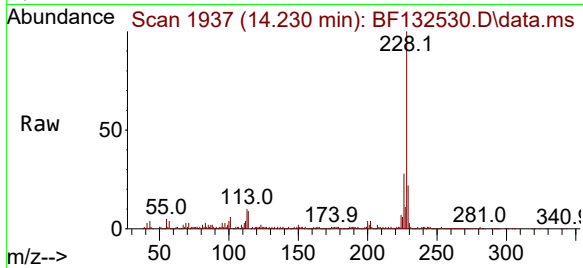




#83
Chrysene
Concen: 5.819 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

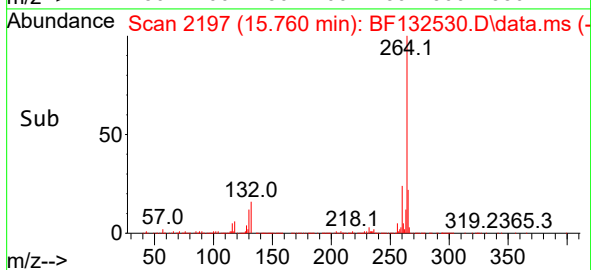
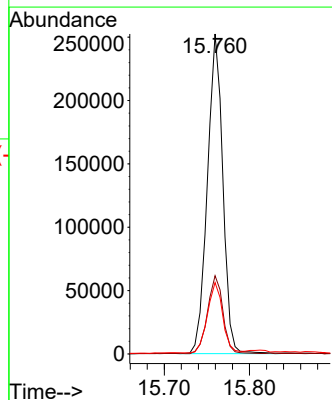
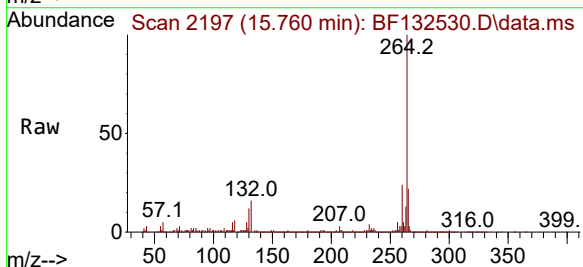
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

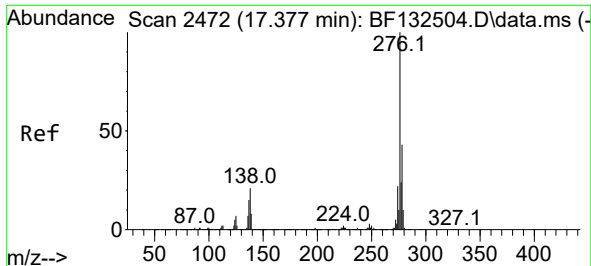
Tgt Ion:228 Resp: 117061
Ion Ratio Lower Upper
228 100
226 28.4 25.0 37.6
229 22.0 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Tgt Ion:264 Resp: 317697
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.3 17.1 25.7

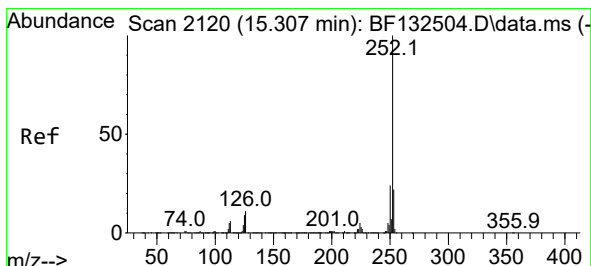
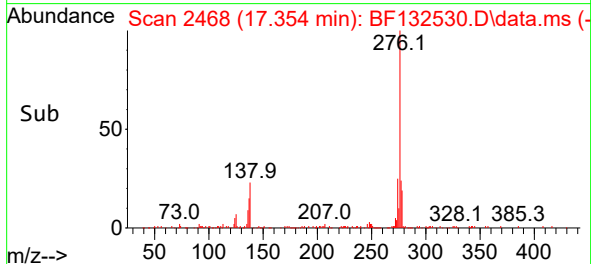
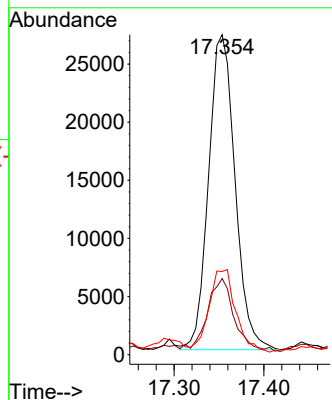
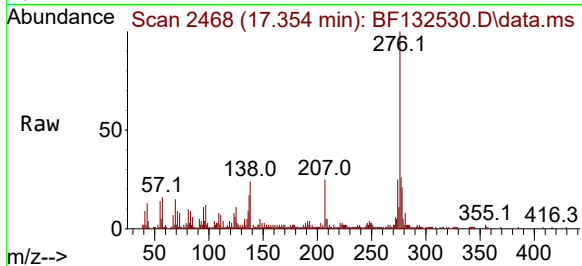




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.673 ng
 RT: 17.354 min Scan# 2468
 Delta R.T. -0.023 min
 Lab File: BF132530.D
 Acq: 23 Feb 2023 20:24

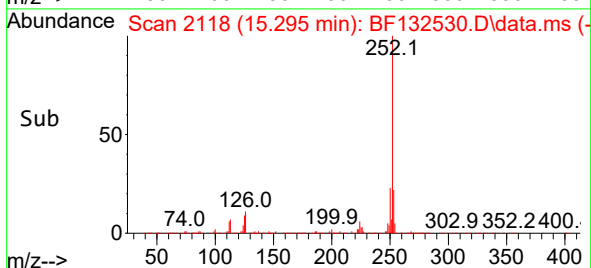
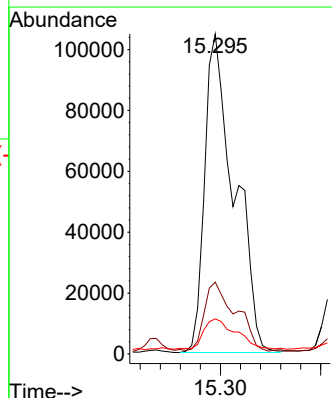
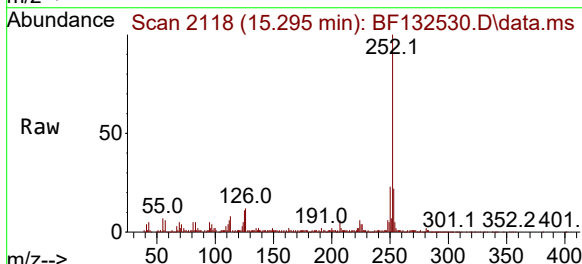
Instrument :
 BNA_F
 ClientSampleId :
 QAQC-COMP-2

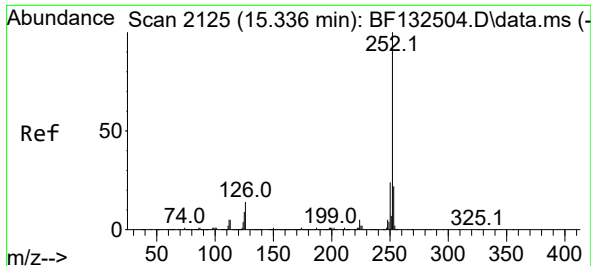
Tgt Ion:	276	Resp:	55641
Ion Ratio	Lower	Upper	
276	100		
138	23.3	19.0	28.4
277	26.3	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 10.124 ng
 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:	215554
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	11.0	7.0	10.6

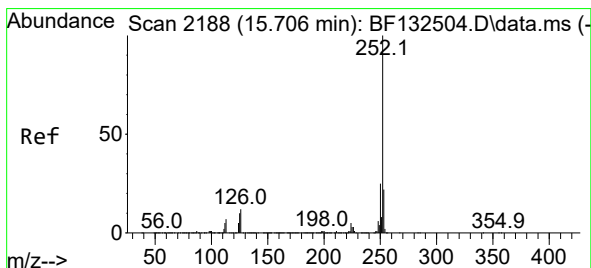
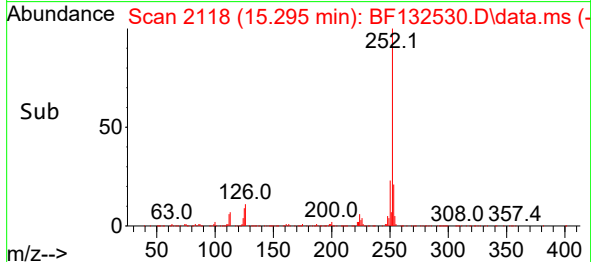
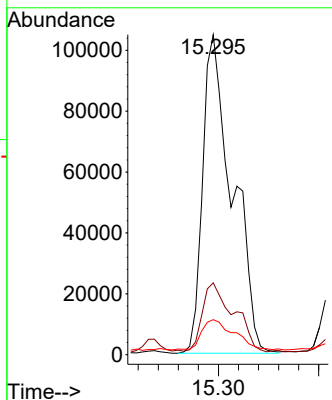
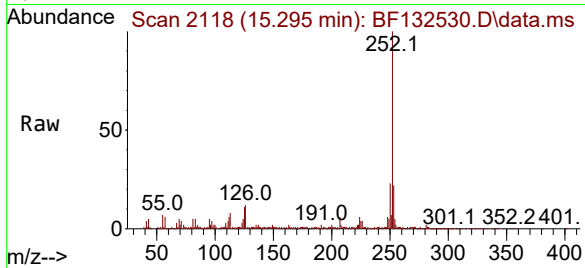




#89
Benzo(k)fluoranthene
Concen: 10.345 ng
RT: 15.295 min Scan# 2118
Delta R.T. -0.041 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

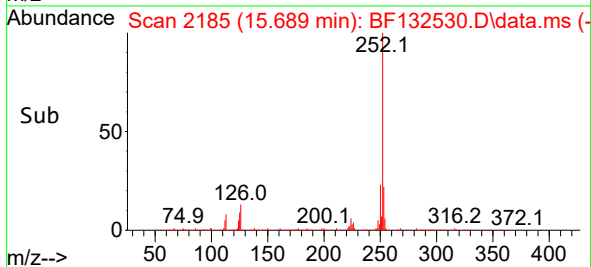
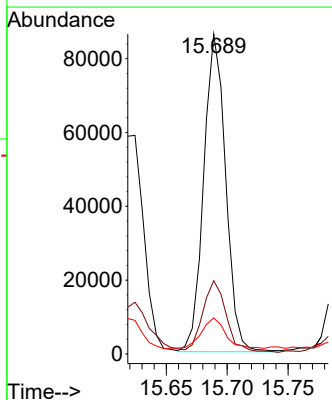
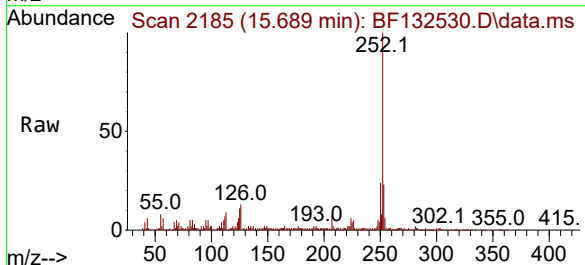
Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

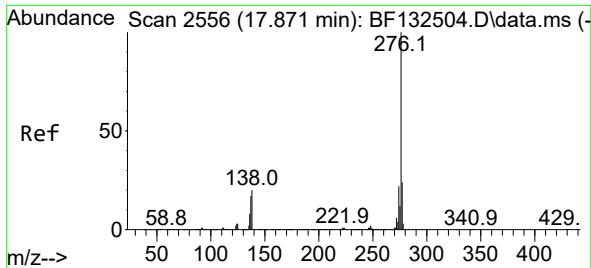
Tgt Ion:252 Resp: 215554
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.0 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 5.427 ng
RT: 15.689 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

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





#92
Benzo(g,h,i)perylene
Concen: 4.242 ng
RT: 17.842 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF132530.D
Acq: 23 Feb 2023 20:24

Instrument :
BNA_F
ClientSampleId :
QAQC-COMP-2

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

