

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121222\
 Data File : BF131601.D
 Acq On : 12 Dec 2022 19:44
 Operator : CG\JU
 Sample : N5964-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-518-COMP-02

Quant Time: Dec 13 04:17:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 04:12:13 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

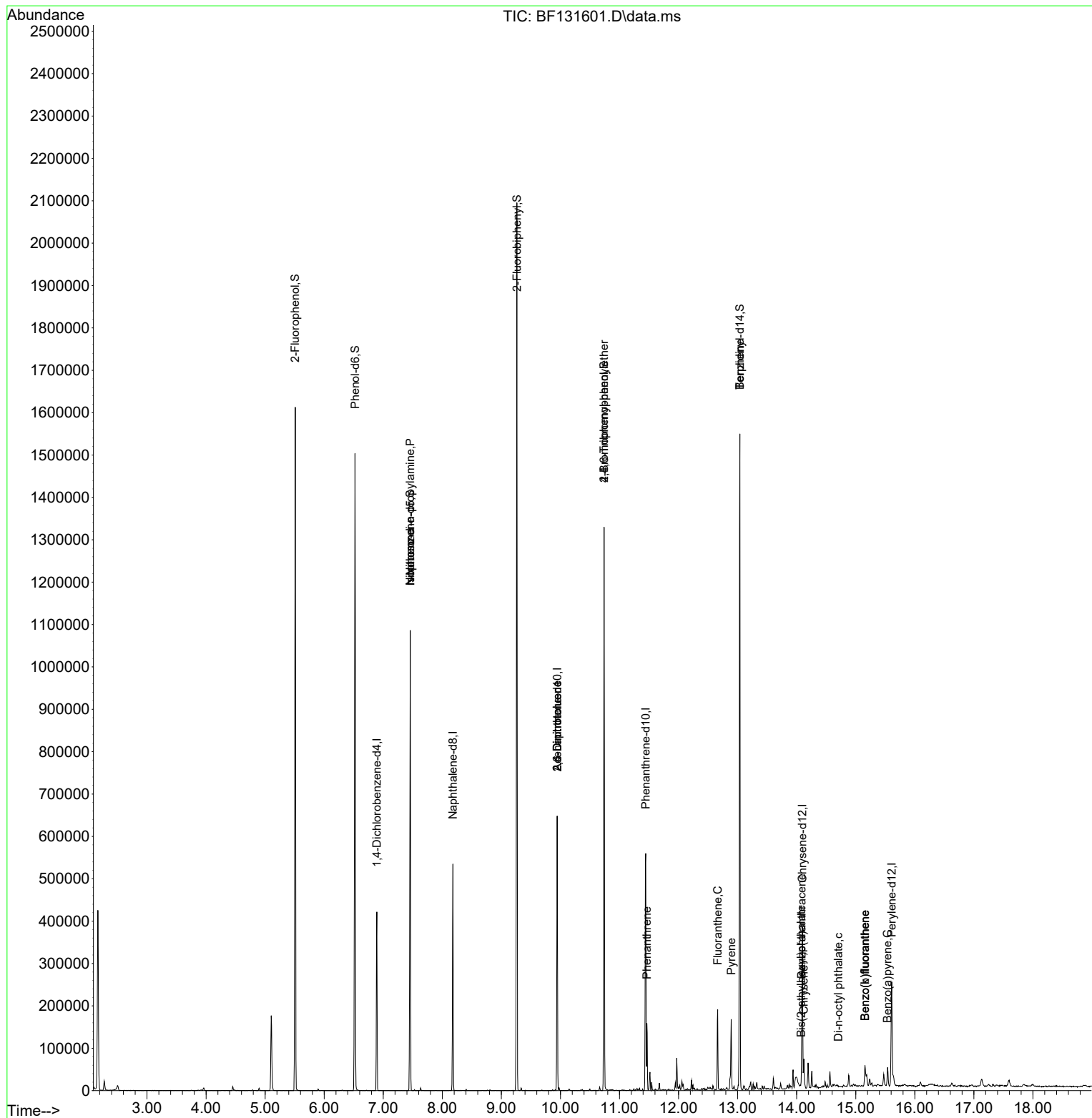
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	54810	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	199943	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	118111	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	208947	20.000	ng	0.00
76) Chrysene-d12	14.098	240	110950	20.000	ng	0.00
86) Perylene-d12	15.610	264	118701	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	379734	115.582	ng	0.00
7) Phenol-d6	6.522	99	494844	114.938	ng	0.00
23) Nitrobenzene-d5	7.457	82	340208	64.329	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	132728	101.145	ng	-0.01
45) 2-Fluorobiphenyl	9.263	172	569744	60.822	ng	0.00
79) Terphenyl-d14	13.039	244	515085	63.667	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	47425	14.690	ng	# 80
25) Isophorone	7.457	82	340201	39.936	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	15026	8.084	ng	# 10
57) 2,4-Dinitrotoluene	9.945	165	15026	6.094	ng	# 16
67) 4-Bromophenyl-phenylether	10.739	248	9136	3.399	ng	# 1
71) Phenanthrene	11.463	178	54281	4.661	ng	98
75) Fluoranthene	12.663	202	73139	6.099	ng	99
77) Benzidine	13.039	184	8536	2.871	ng	# 91
78) Pyrene	12.892	202	63048	5.763	ng	99
81) Benzo(a)anthracene	14.086	228	28771	3.591	ng	99
83) Chrysene	14.121	228	23576	3.095	ng	99
84) Bis(2-ethylhexyl)phtha...	14.074	149	442	3.128	ng	# 54
85) Di-n-octyl phthalate	14.704	149	319	5.259	ng	# 1
88) Benzo(b)fluoranthene	15.157	252	38497	4.921	ng	99
89) Benzo(k)fluoranthene	15.157	252	38497	4.714	ng	# 98
90) Benzo(a)pyrene	15.539	252	22000	3.295	ng	95

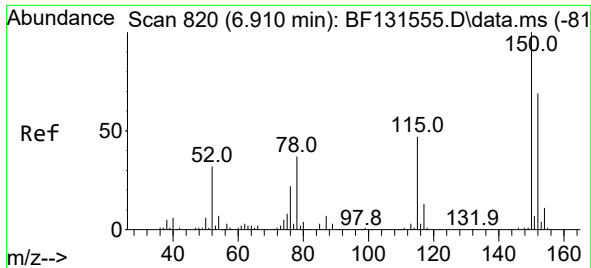
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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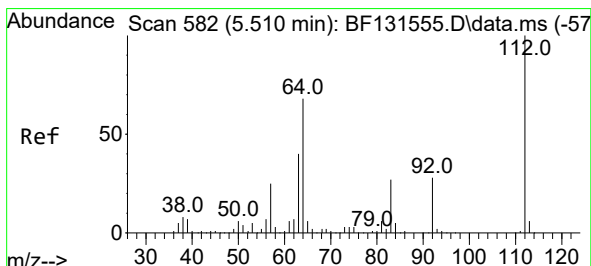
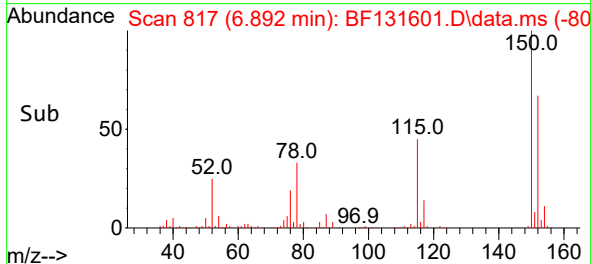
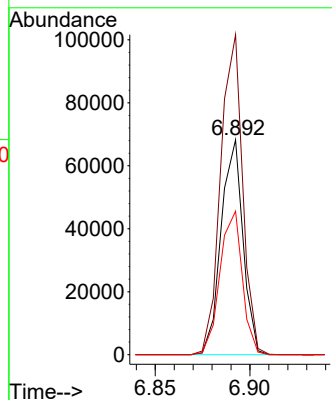
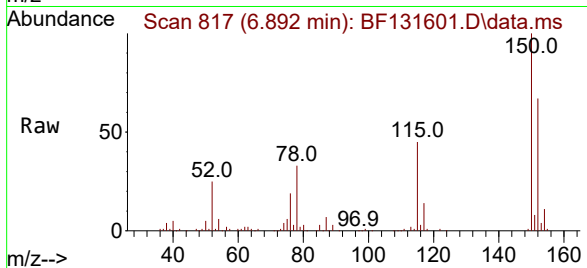




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF131601.D
 Acq: 12 Dec 2022 19:44

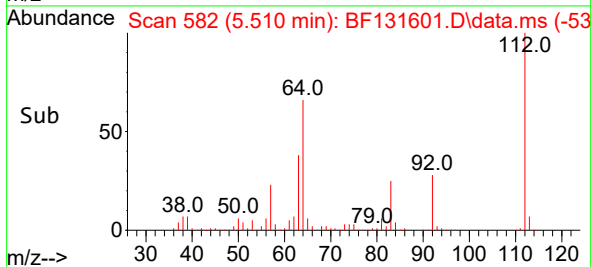
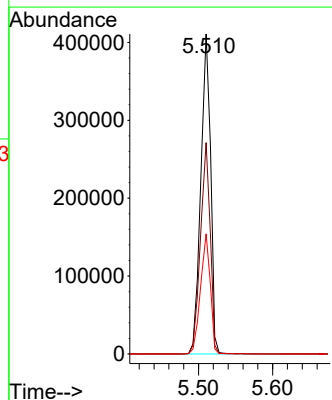
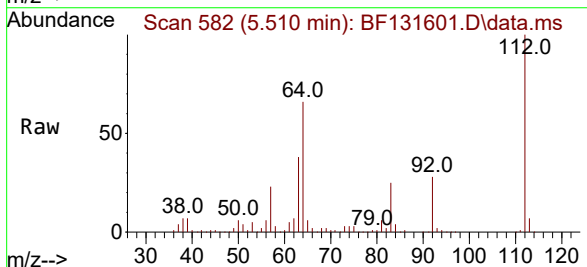
Instrument :
 BNA_F
 ClientSampleId :
 SU-518-COMP-02

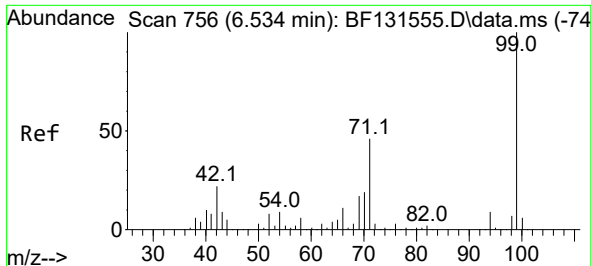
Tgt Ion:152 Resp: 54810
 Ion Ratio Lower Upper
 152 100
 150 148.9 116.7 175.1
 115 66.8 54.6 82.0



#5
 2-Fluorophenol
 Concen: 115.582 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF131601.D
 Acq: 12 Dec 2022 19:44

Tgt Ion:112 Resp: 379734
 Ion Ratio Lower Upper
 112 100
 64 66.0 54.5 81.7
 63 37.5 31.9 47.9

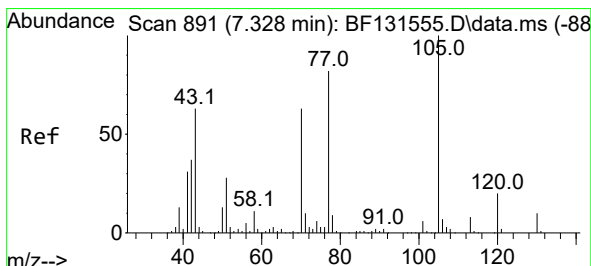
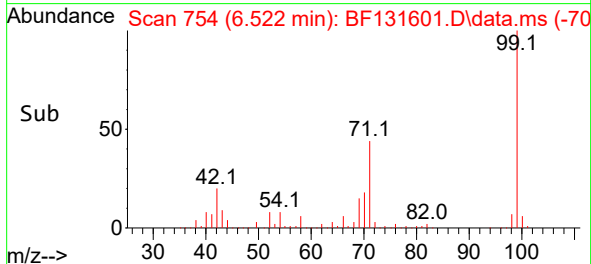
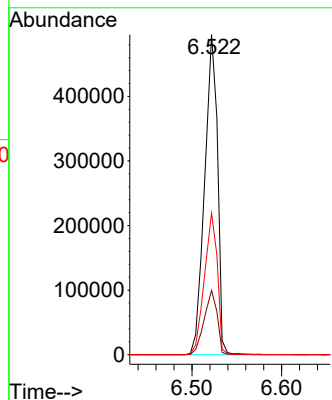
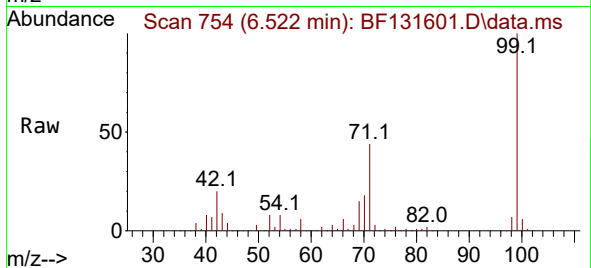




#7
Phenol-d6
Concen: 114.938 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

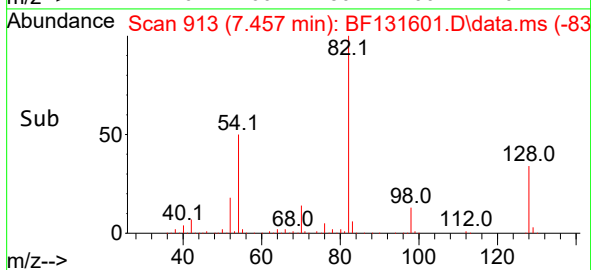
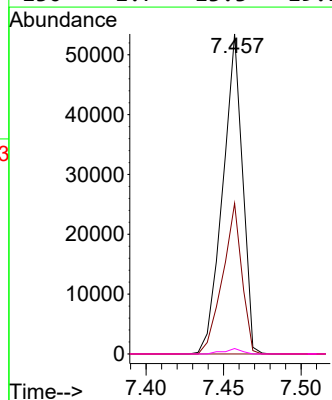
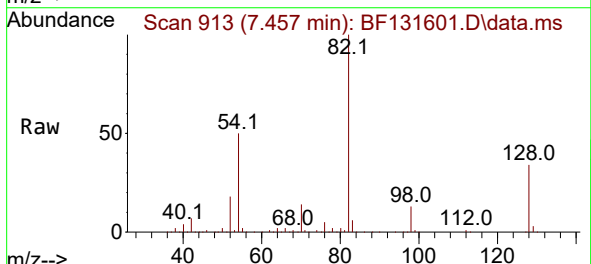
Instrument :
BNA_F
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SU-518-COMP-02

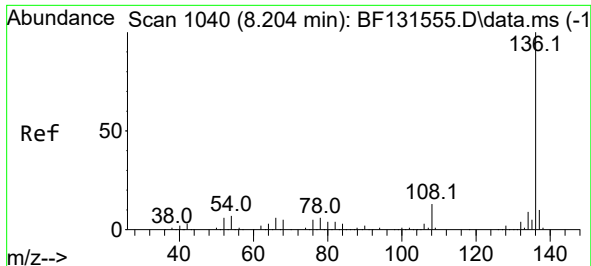
Tgt Ion: 99 Resp: 494844
Ion Ratio Lower Upper
99 100
42 20.1 17.9 26.9
71 44.2 37.2 55.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.690 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

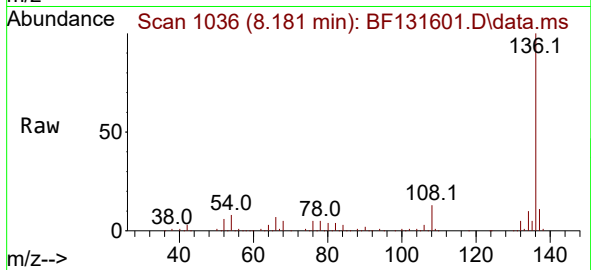
Tgt Ion: 70 Resp: 47425
Ion Ratio Lower Upper
70 100
42 47.1 46.4 69.6
101 0.0 7.2 10.8#
130 1.7 13.3 19.9#



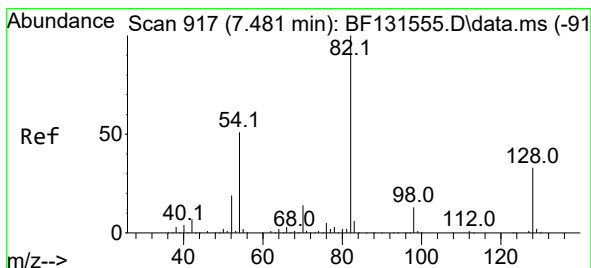
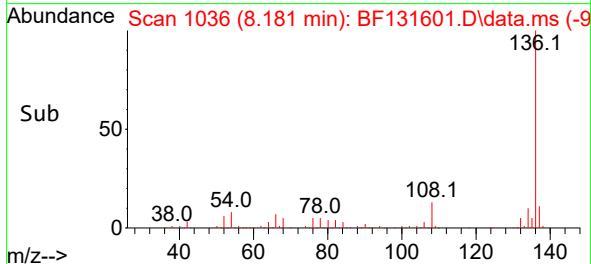
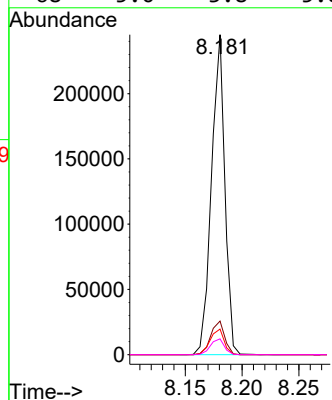


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

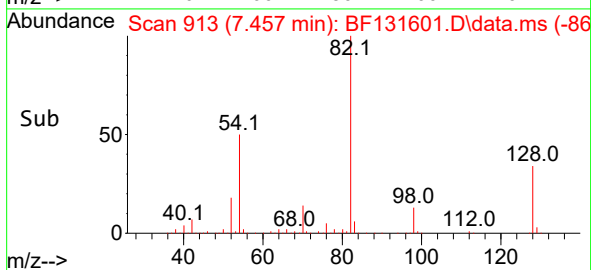
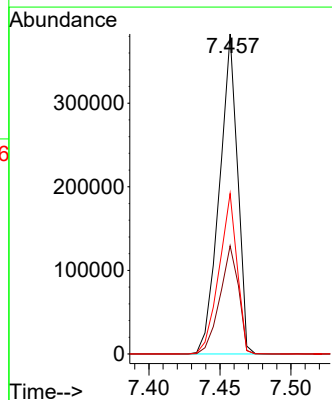
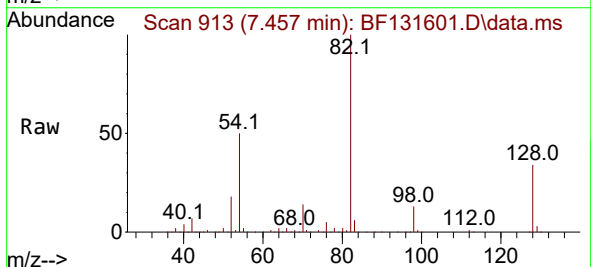


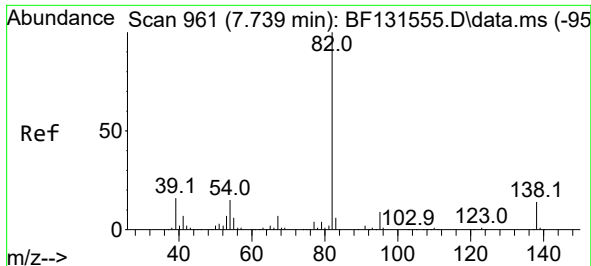
Tgt Ion:136 Resp: 199943
Ion Ratio Lower Upper
136 100
137 10.5 8.1 12.1
54 8.0 6.0 9.0
68 5.0 3.8 5.8



#23
Nitrobenzene-d5
Concen: 64.329 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion: 82 Resp: 340208
Ion Ratio Lower Upper
82 100
128 33.8 26.1 39.1
54 50.2 40.6 60.8

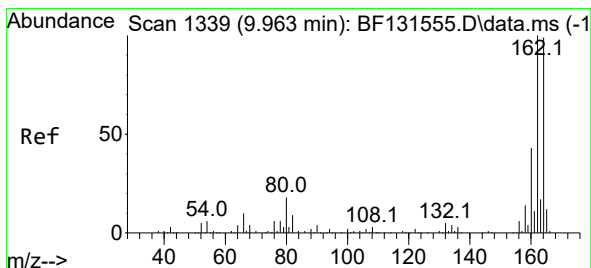
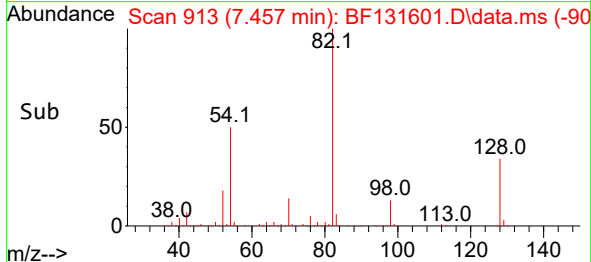
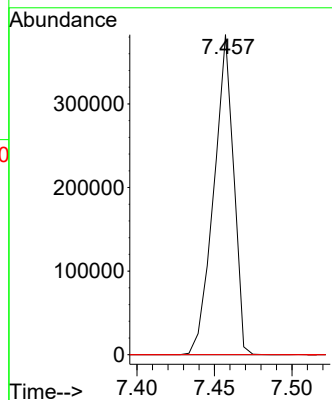
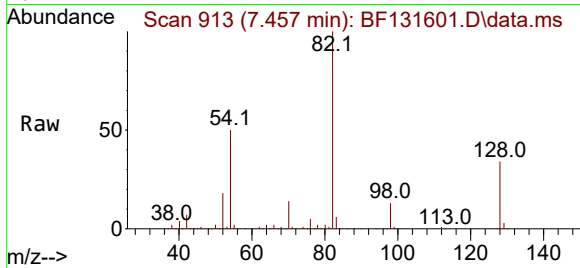




#25
Isophorone
Concen: 39.936 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

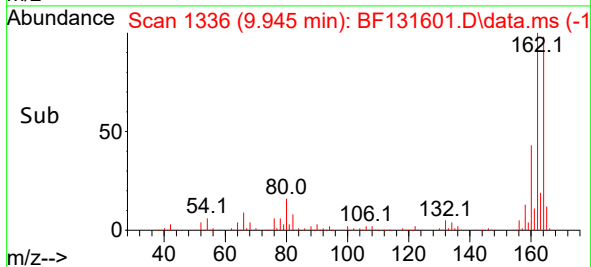
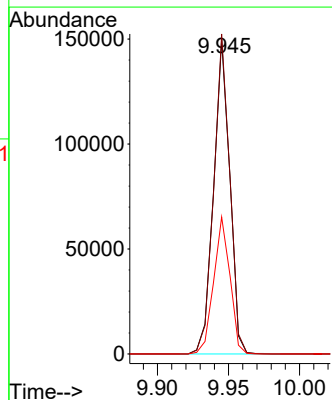
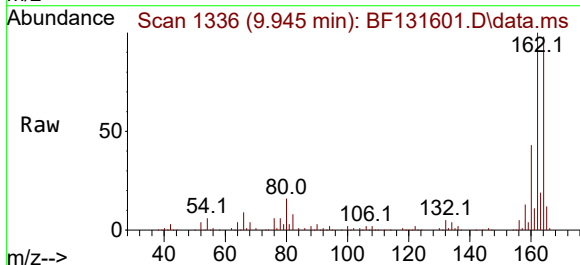
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

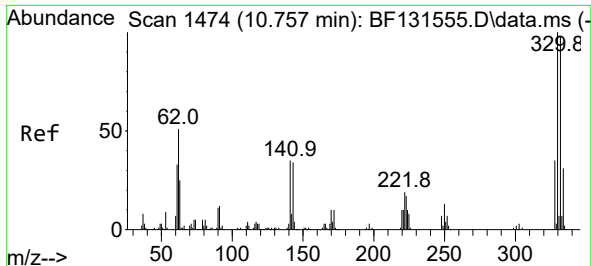
Tgt Ion: 82 Resp: 340201
Ion Ratio Lower Upper
82 100
95 0.0 6.9 10.3#
138 0.0 11.4 17.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:164 Resp: 118111
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.6
160 43.6 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 101.145 ng

RT: 10.739 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF131601.D

Acq: 12 Dec 2022 19:44

Instrument :

BNA_F

ClientSampleId :

SU-518-COMP-02

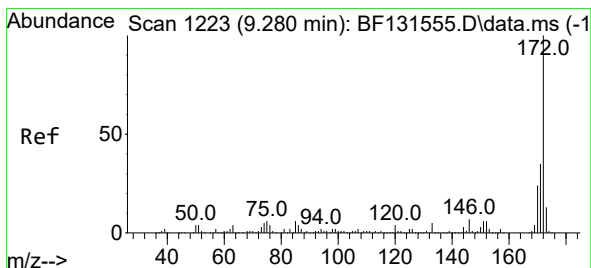
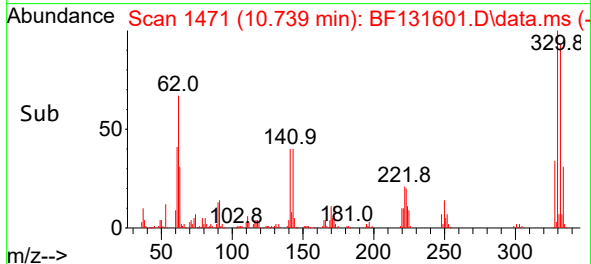
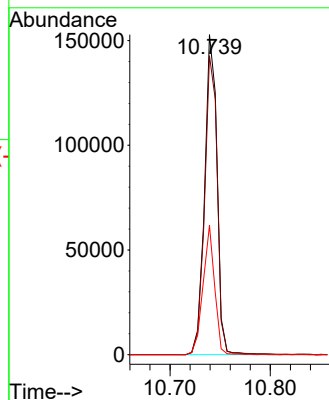
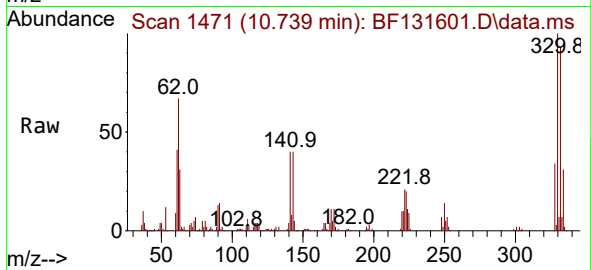
Tgt Ion:330 Resp: 132728

Ion Ratio Lower Upper

330 100

332 95.1 78.3 117.5

141 37.8 32.6 49.0



#45

2-Fluorobiphenyl

Concen: 60.822 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF131601.D

Acq: 12 Dec 2022 19:44

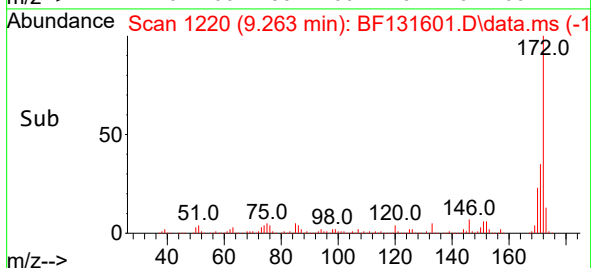
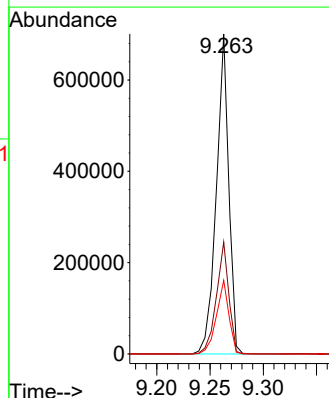
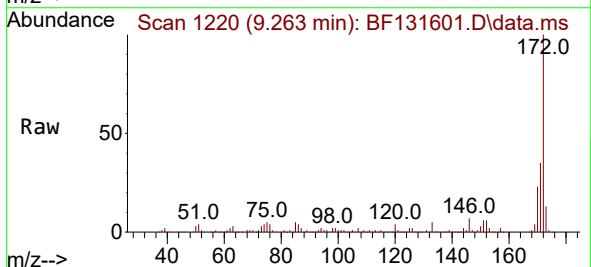
Tgt Ion:172 Resp: 569744

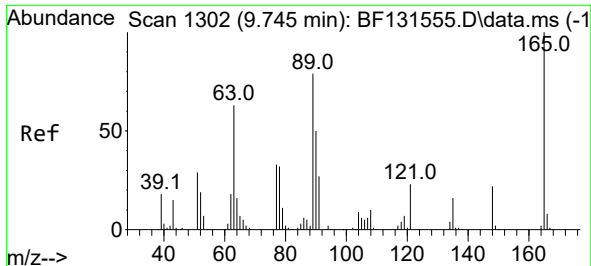
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.0 19.3 28.9

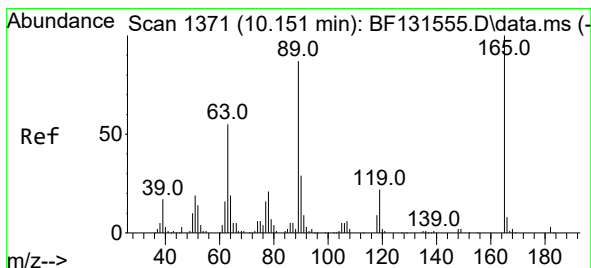
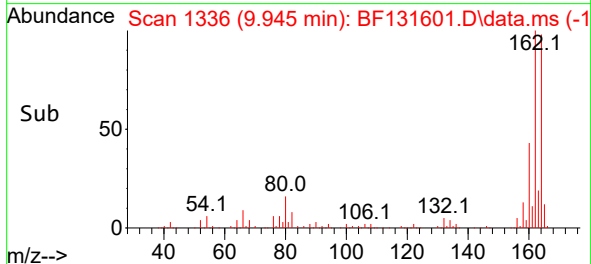
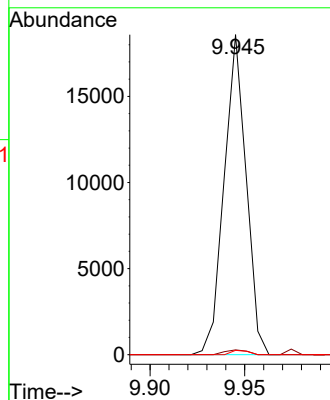
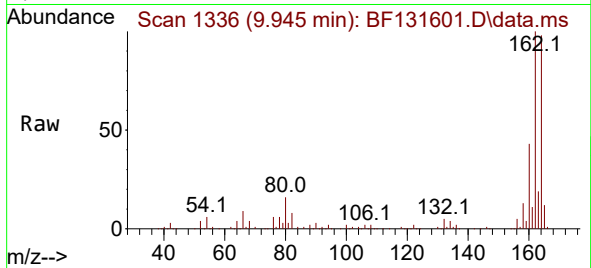




#51
2,6-Dinitrotoluene
Concen: 8.084 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

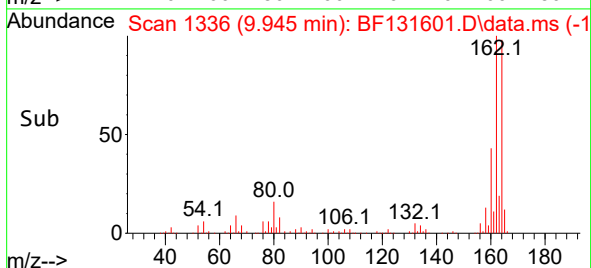
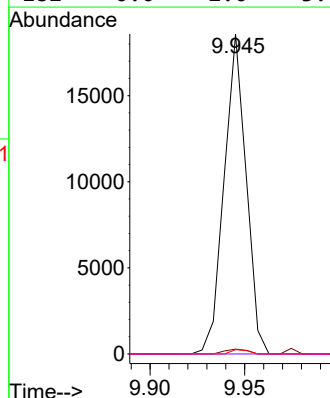
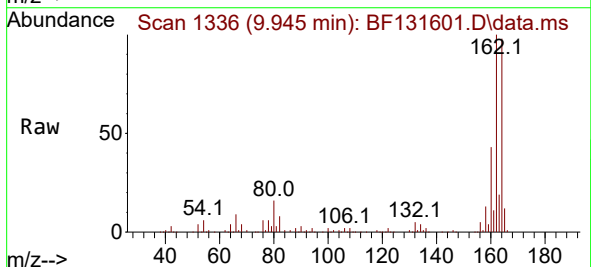
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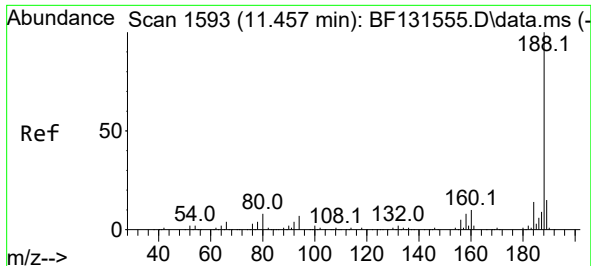
Tgt Ion:165 Resp: 15026
Ion Ratio Lower Upper
165 100
63 1.5 67.9 101.9#
89 1.4 63.2 94.8#



#57
2,4-Dinitrotoluene
Concen: 6.094 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.200 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:165 Resp: 15026
Ion Ratio Lower Upper
165 100
63 1.5 44.4 66.6#
89 1.4 69.6 104.4#
182 0.0 2.0 3.0#

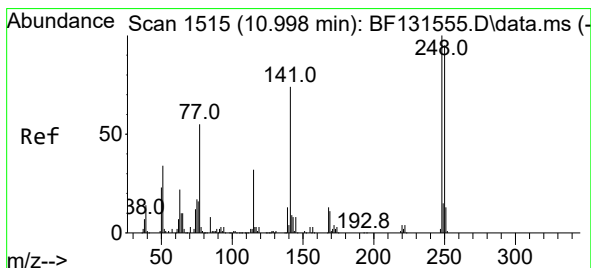
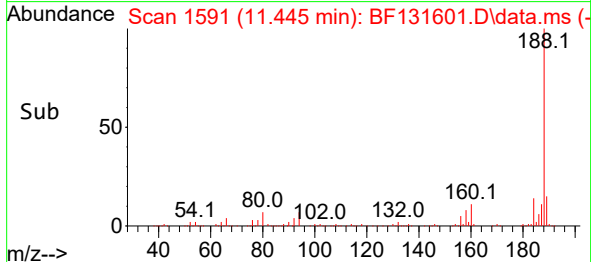
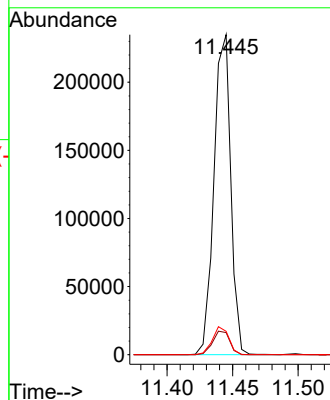
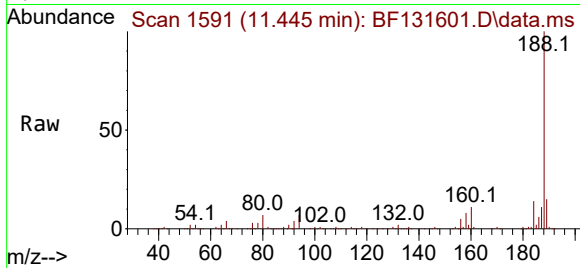




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

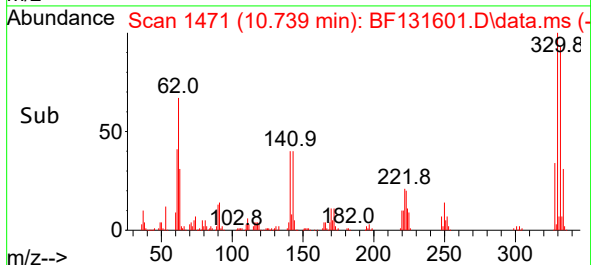
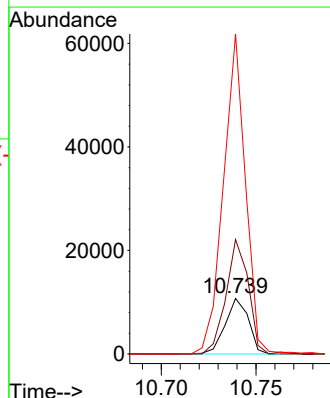
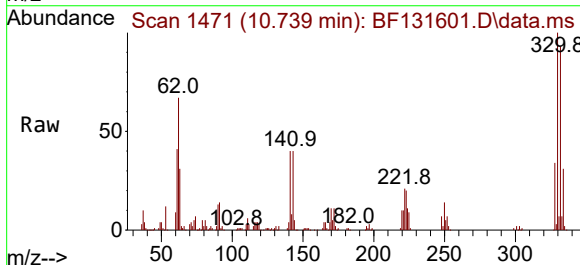
Instrument :
BNA_F
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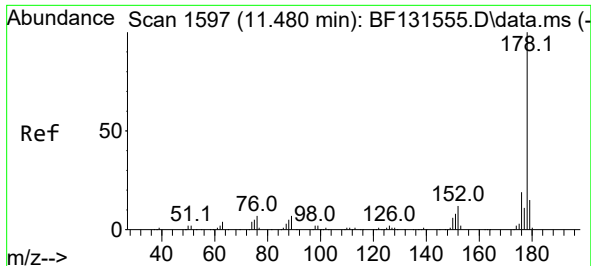
Tgt Ion:188 Resp: 208947
Ion Ratio Lower Upper
188 100
94 6.9 5.5 8.3
80 7.3 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 3.399 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.253 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:248 Resp: 9136
Ion Ratio Lower Upper
248 100
250 205.7 76.2 114.2#
141 575.5 59.5 89.3#

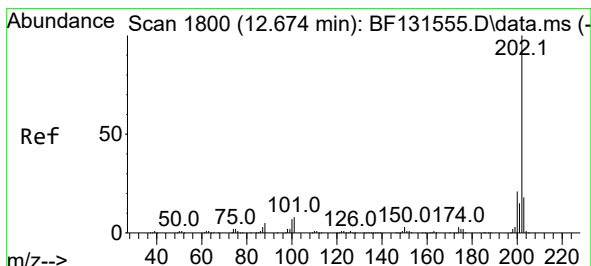
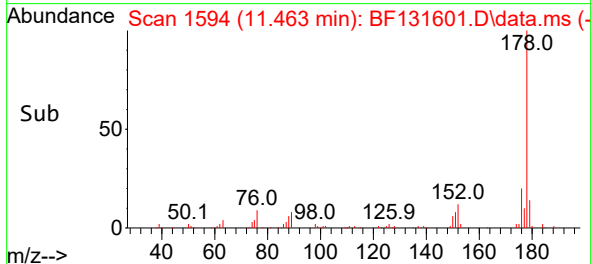
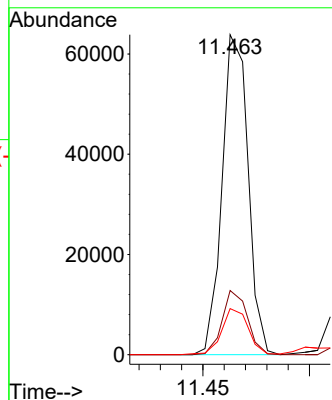
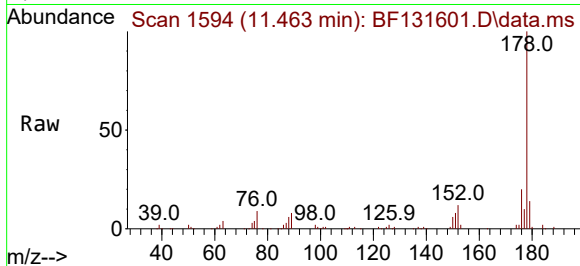




#71
Phenanthrene
Concen: 4.661 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

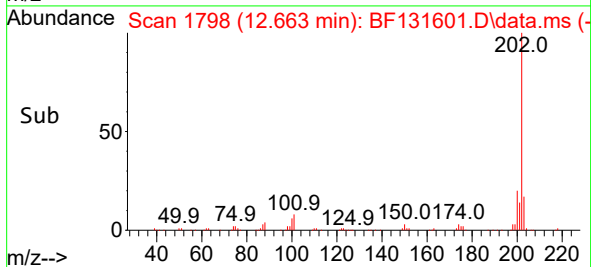
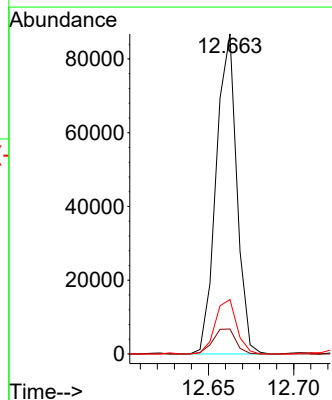
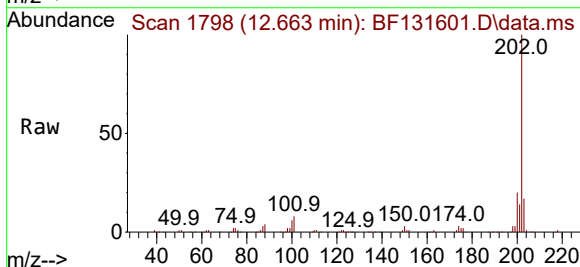
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

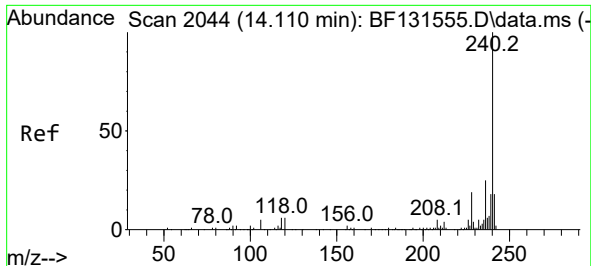
Tgt Ion:178 Resp: 54281
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 14.4 12.2 18.4



#75
Fluoranthene
Concen: 6.099 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:202 Resp: 73139
Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.7
203 17.0 0.0 37.7

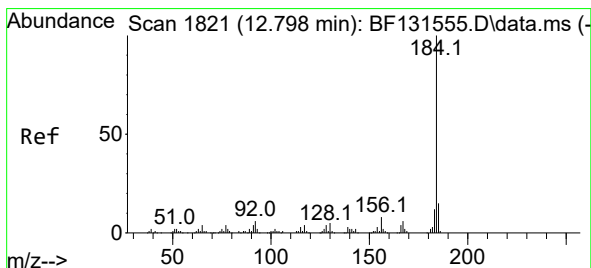
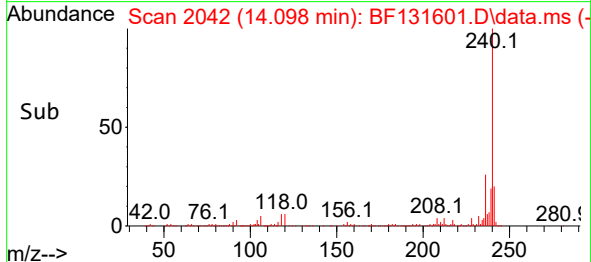
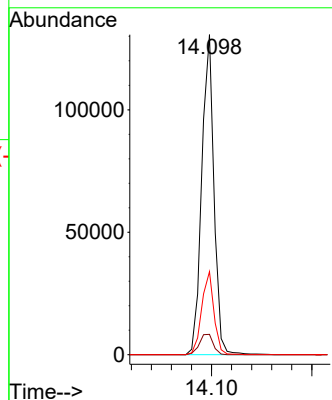
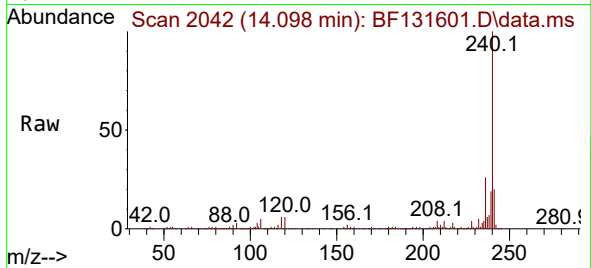




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

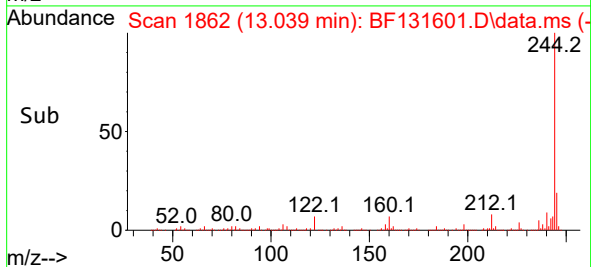
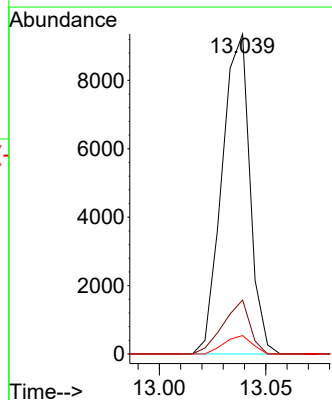
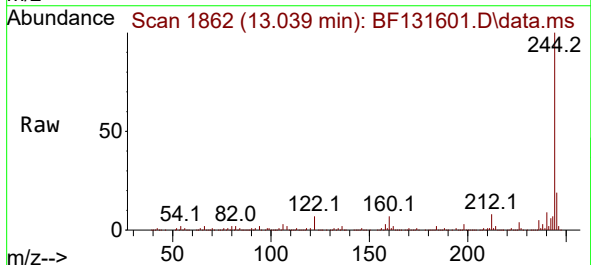
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

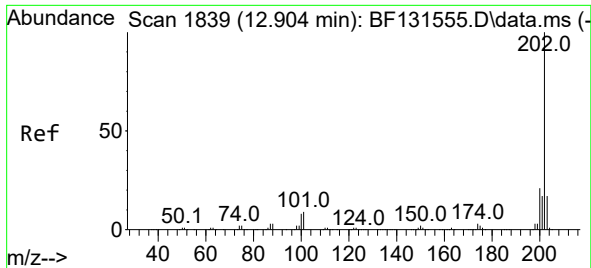
Tgt Ion:240 Resp: 110950
Ion Ratio Lower Upper
240 100
120 6.4 4.6 7.0
236 26.0 20.2 30.2



#77
Benzidine
Concen: 2.871 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.247 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:184 Resp: 8536
Ion Ratio Lower Upper
184 100
185 16.9 12.2 18.2
183 5.8 9.3 13.9#

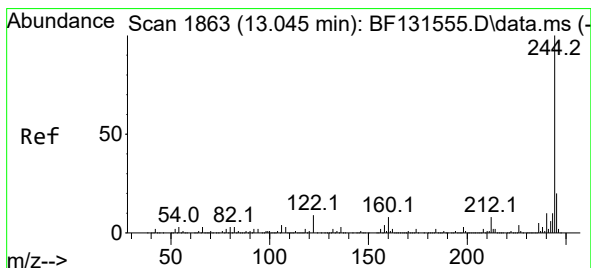
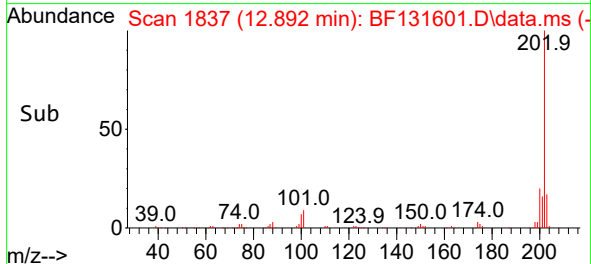
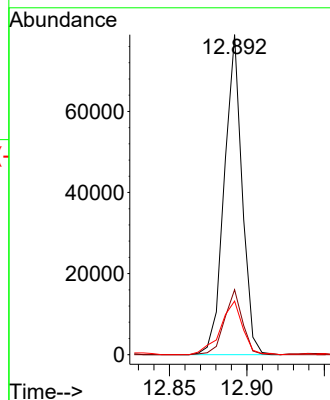
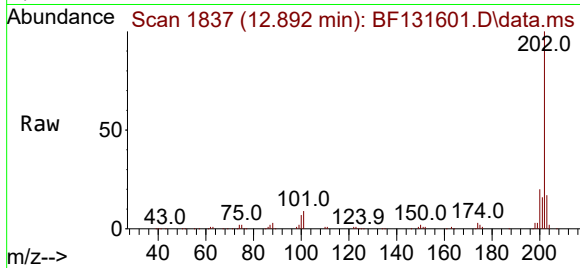




#78
Pyrene
Concen: 5.763 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

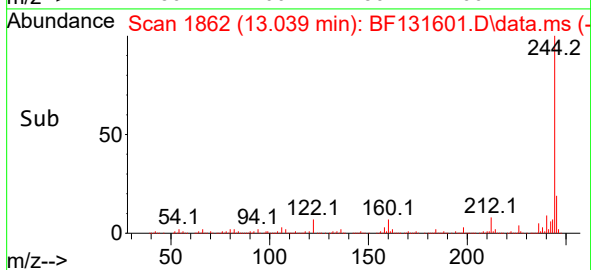
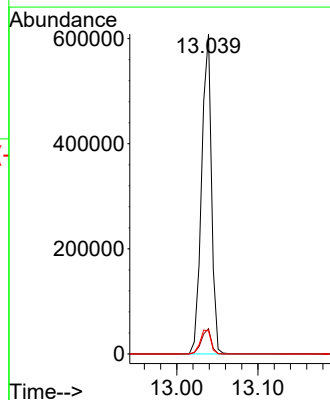
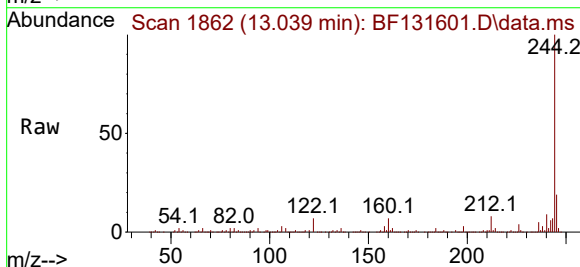
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

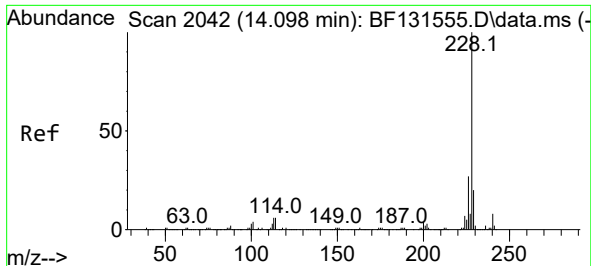
Tgt Ion:202 Resp: 63048
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 16.8 13.8 20.6



#79
Terphenyl-d14
Concen: 63.667 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:244 Resp: 515085
Ion Ratio Lower Upper
244 100
212 7.9 6.5 9.7
122 7.2 7.1 10.7

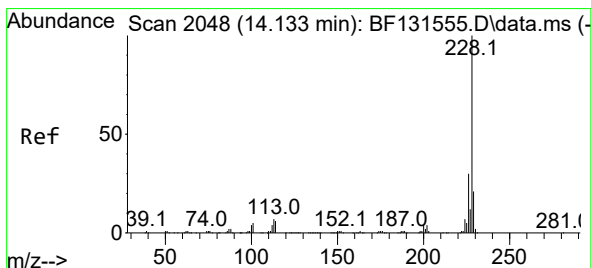
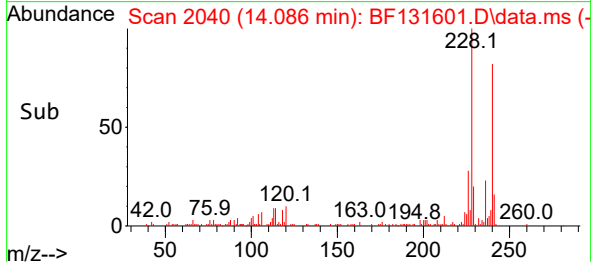
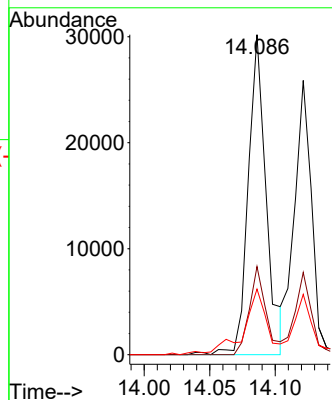
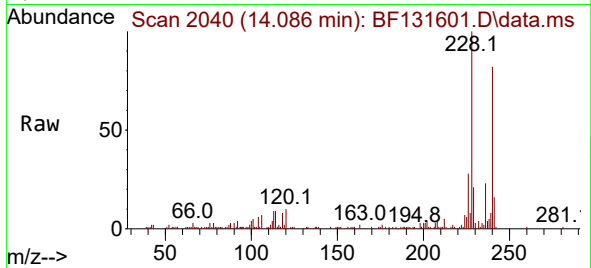




#81
Benzo(a)anthracene
Concen: 3.591 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

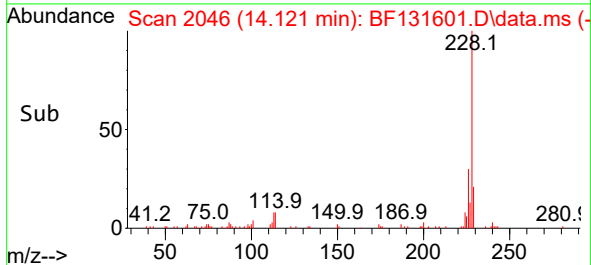
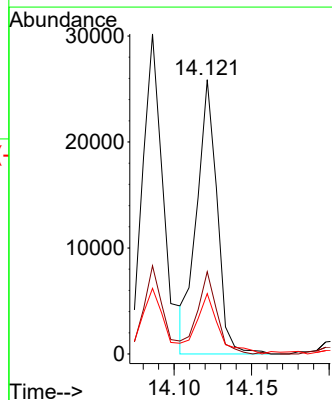
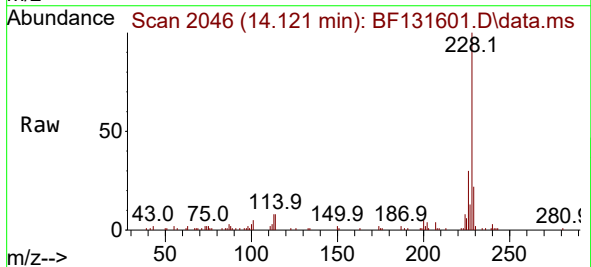
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

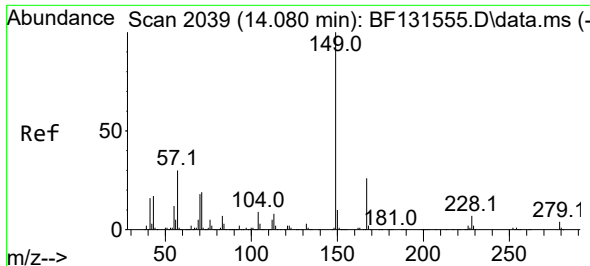
Tgt Ion:228 Resp: 28771
Ion Ratio Lower Upper
228 100
226 27.5 21.5 32.3
229 20.5 15.8 23.6



#83
Chrysene
Concen: 3.095 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:228 Resp: 23576
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 22.0 16.7 25.1

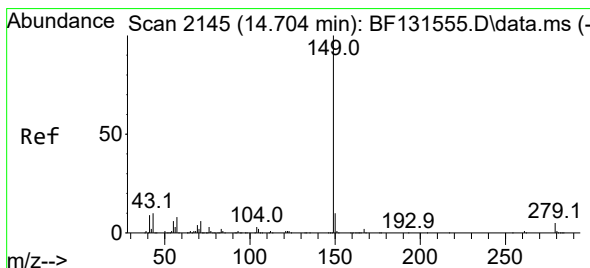
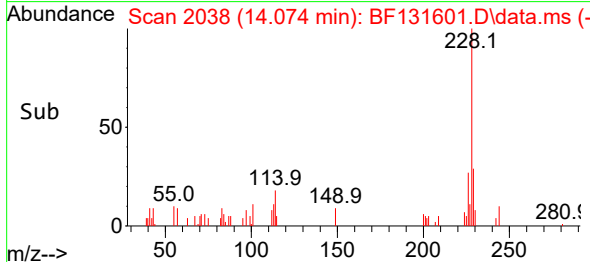
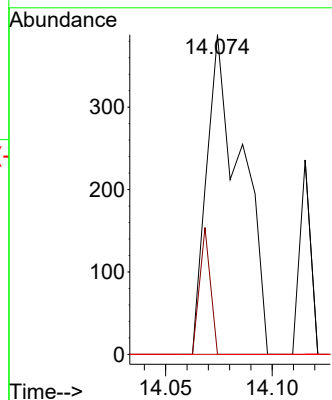
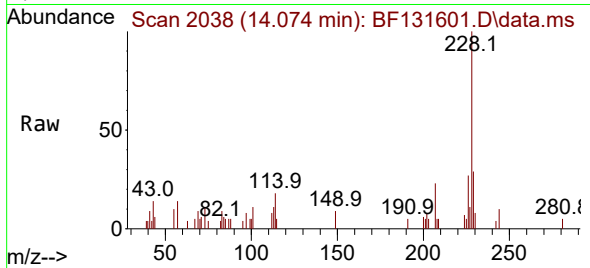




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.128 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

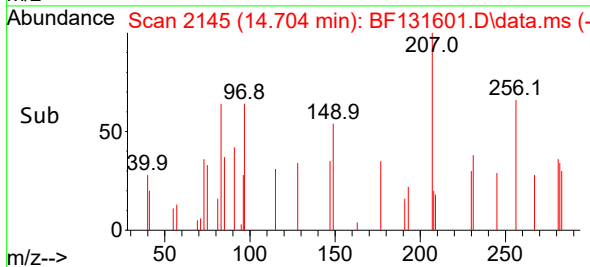
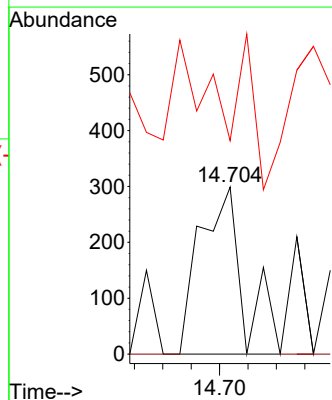
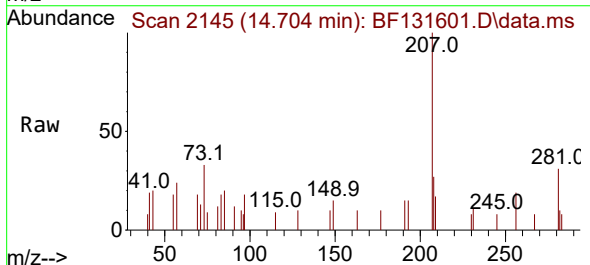
Instrument :
BNA_F
ClientSampleId :
SU-518-COMP-02

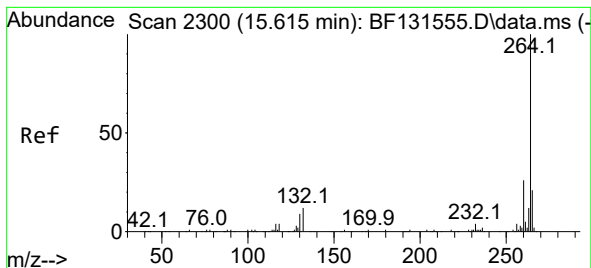
Tgt Ion:149 Resp: 442
Ion Ratio Lower Upper
149 100
167 0.0 20.8 31.2#
279 0.0 3.3 4.9#



#85
Di-n-octyl phthalate
Concen: 5.259 ng
RT: 14.704 min Scan# 2145
Delta R.T. 0.006 min
Lab File: BF131601.D
Acq: 12 Dec 2022 19:44

Tgt Ion:149 Resp: 319
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 108.8 8.6 13.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131601.D

Acq: 12 Dec 2022 19:44

Instrument :

BNA_F

ClientSampleId :

SU-518-COMP-02

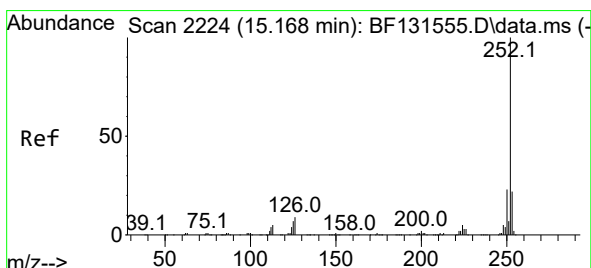
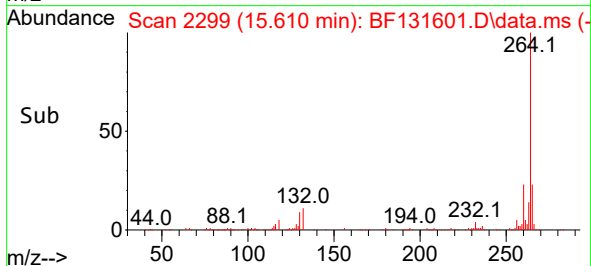
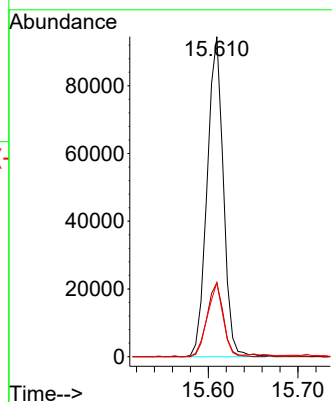
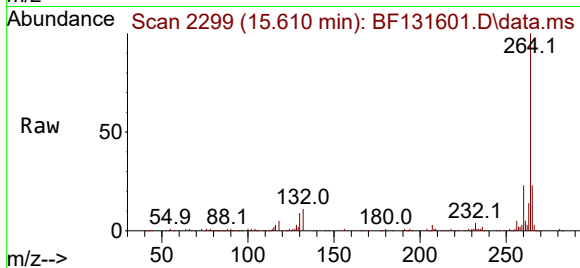
Tgt Ion:264 Resp: 118701

Ion Ratio Lower Upper

264 100

260 23.1 20.6 30.8

265 23.1 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 4.921 ng

RT: 15.157 min Scan# 2222

Delta R.T. -0.012 min

Lab File: BF131601.D

Acq: 12 Dec 2022 19:44

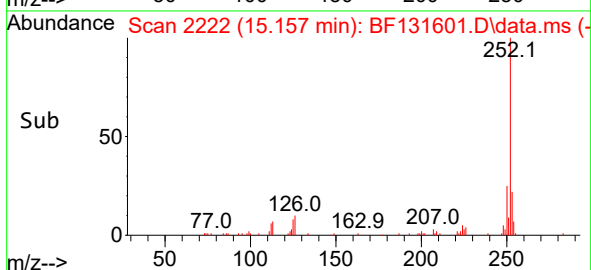
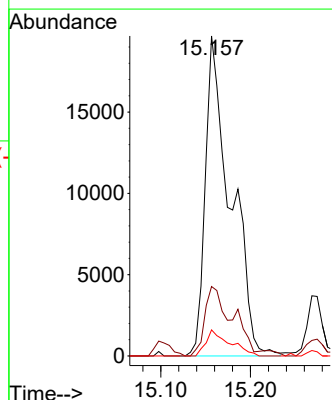
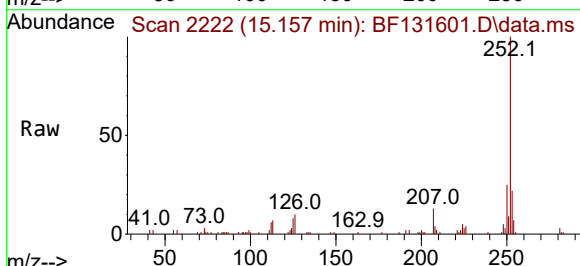
Tgt Ion:252 Resp: 38497

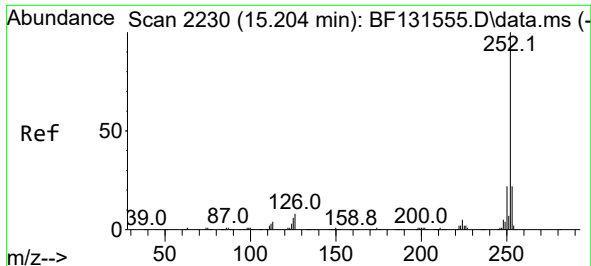
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 8.1 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 4.714 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF131601.D

Acq: 12 Dec 2022 19:44

Instrument :

BNA_F

ClientSampleId :

SU-518-COMP-02

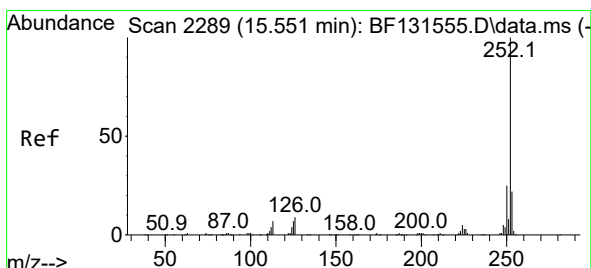
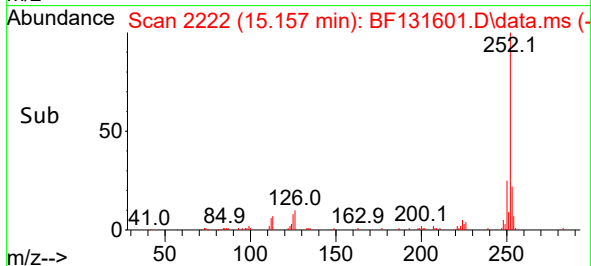
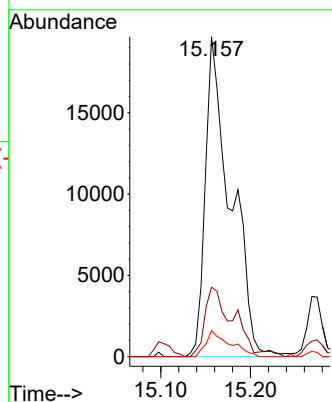
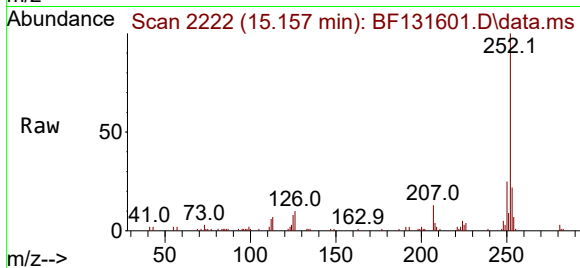
Tgt Ion:252 Resp: 38497

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 8.1 4.9 7.3#



#90

Benzo(a)pyrene

Concen: 3.295 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.012 min

Lab File: BF131601.D

Acq: 12 Dec 2022 19:44

Tgt Ion:252 Resp: 22000

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 8.0 5.6 8.4

