

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
 Data File : BF132560.D
 Acq On : 27 Feb 2023 19:15
 Operator : CG\JU
 Sample : 01703-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KU-CON3

Quant Time: Feb 28 03:17:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

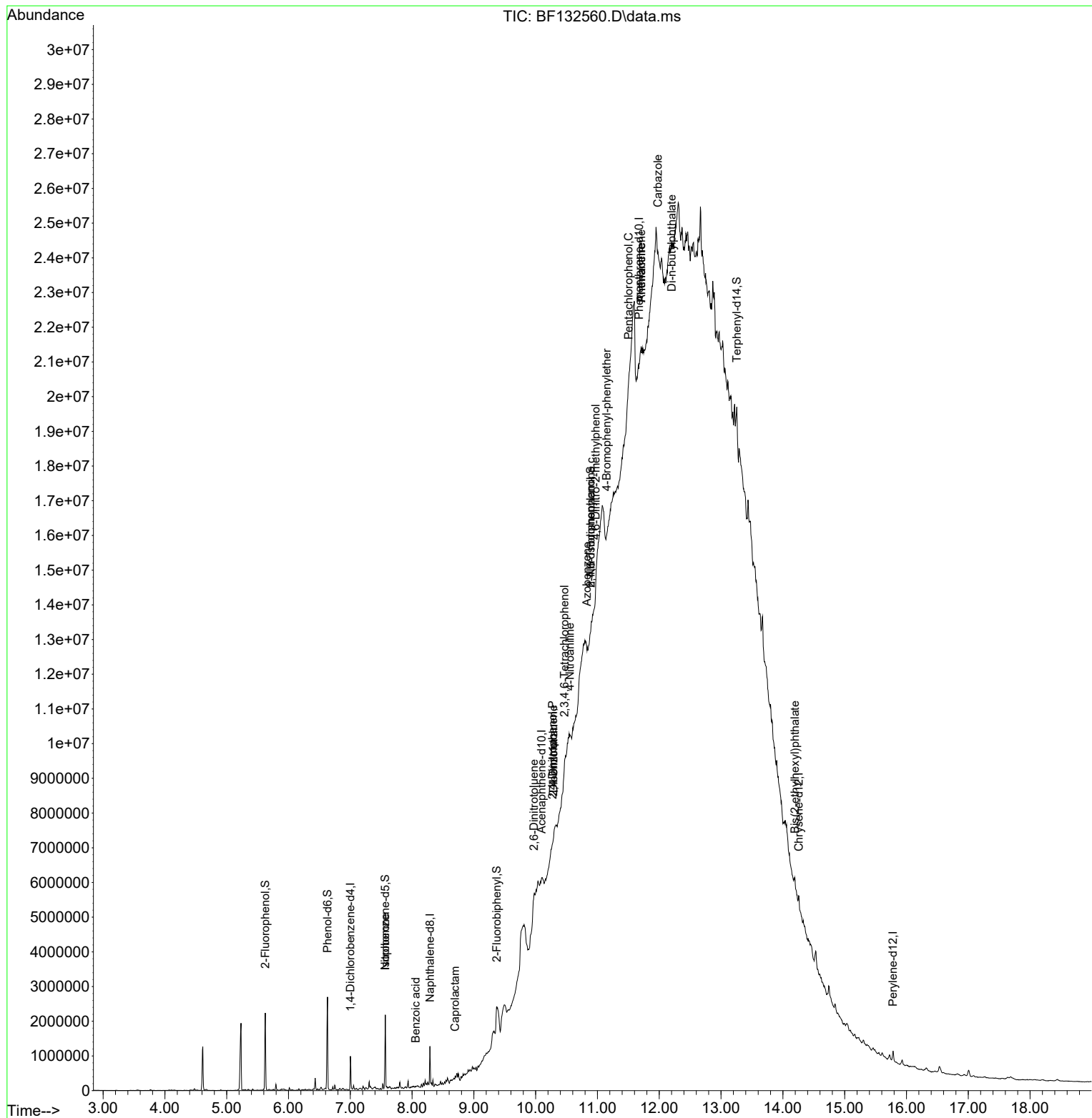
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	124505	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	414884	20.000	ng	0.00
39) Acenaphthene-d10	10.095	164	160077	20.000	ng	0.04
64) Phenanthrene-d10	11.672	188	158847	20.000	ng	# 0.12
76) Chrysene-d12	14.260	240	127633	20.000	ng	# 0.05
86) Perylene-d12	15.783	264	135302	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.625	112	574540	74.894	ng	0.00
7) Phenol-d6	6.631	99	899200	89.813	ng	0.00
23) Nitrobenzene-d5	7.566	82	626637	71.660	ng	0.00
42) 2,4,6-Tribromophenol	10.889	330	59491	34.412	ng	0.04
45) 2-Fluorobiphenyl	9.372	172	1044115	99.317	ng	0.00
79) Terphenyl-d14	13.254	244	675409	89.471	ng	0.11
Target Compounds						
25) Isophorone	7.566	82	628165	37.468	ng	# 67
32) Benzoic acid	8.060	122	2089	4.211	ng	# 57
35) Caprolactam	8.695	113	8514	3.986	ng	# 1
51) 2,6-Dinitrotoluene	9.972	165	9327	3.514	ng	# 40
54) 2,4-Dinitrophenol	10.272	184	3649	3.976	ng	# 1
55) Dibenzofuran	10.289	168	31611	2.234	ng	# 1
57) 2,4-Dinitrotoluene	10.283	165	15726	4.453	ng	# 49
59) 2,3,4,6-Tetrachlorophenol	10.466	232	15400	5.004	ng	# 1
62) 4-Nitroaniline	10.554	138	170377	58.454	ng	93
63) Azobenzene	10.830	77	71381	5.921	ng	# 12
65) 4,6-Dinitro-2-methylph...	10.972	198	221686	206.159	ng	# 1
66) n-Nitrosodiphenylamine	10.889	169	36364	7.343	ng	# 64
67) 4-Bromophenyl-phenylether	11.148	248	17222	9.585	ng	# 1
70) Pentachlorophenol	11.501	266	28943	25.730	ng	# 22
71) Phenanthrene	11.707	178	60922	7.403	ng	# 1
72) Anthracene	11.707	178	62285	7.350	ng	# 1
73) Carbazole	11.977	167	21509	2.815	ng	# 1
74) Di-n-butylphthalate	12.201	149	63733	7.111	ng	# 24
84) Bis(2-ethylhexyl)phtha...	14.195	149	102911	18.294	ng	# 88

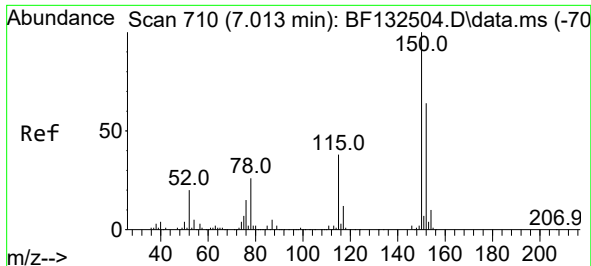
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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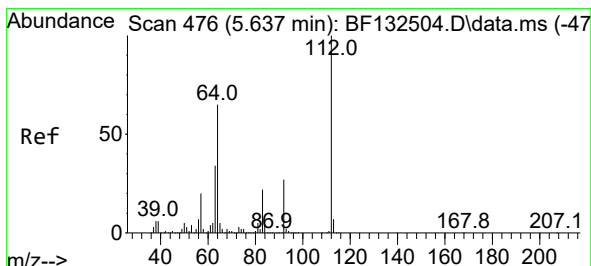
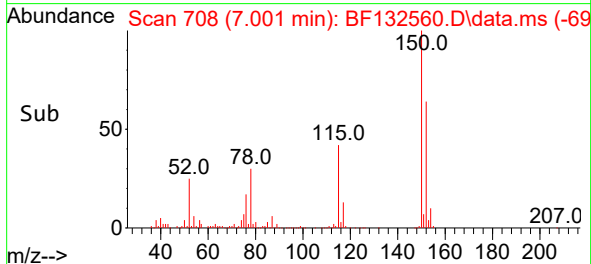
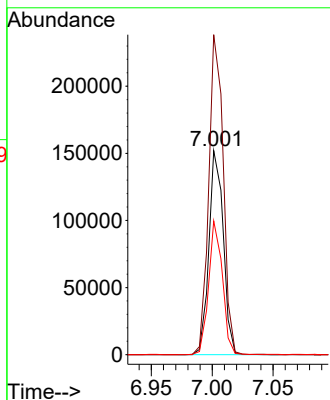
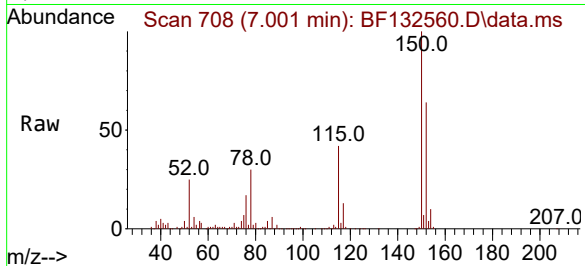




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

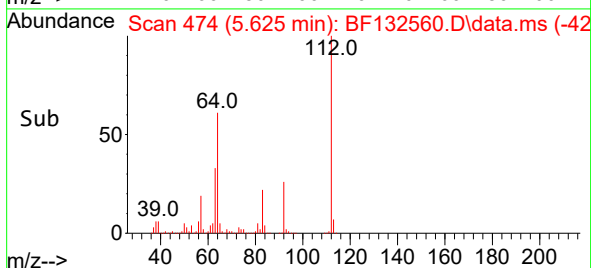
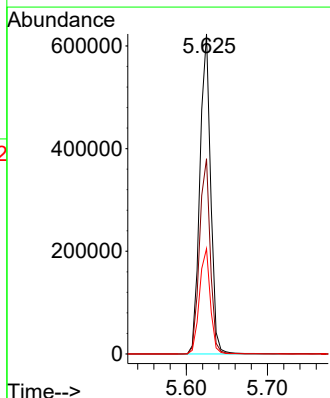
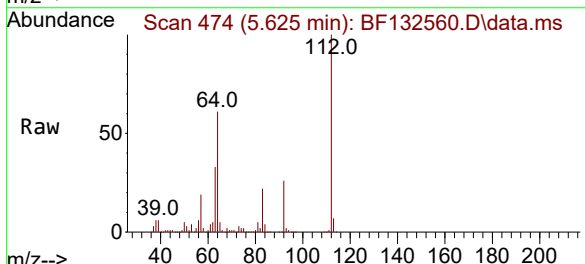
Instrument :
BNA_F
ClientSampleId :
KU-CON3

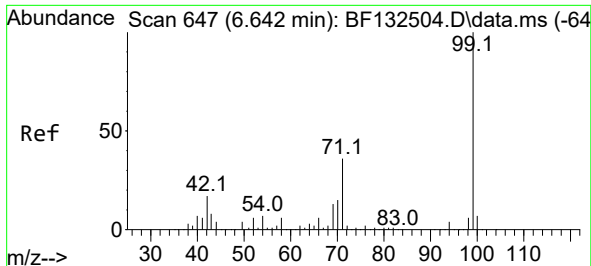
Tgt Ion:152 Resp: 124505
Ion Ratio Lower Upper
152 100
150 156.8 125.4 188.2
115 65.6 47.8 71.6



#5
2-Fluorophenol
Concen: 74.894 ng
RT: 5.625 min Scan# 474
Delta R.T. -0.006 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion:112 Resp: 574540
Ion Ratio Lower Upper
112 100
64 61.0 51.6 77.4
63 32.9 27.4 41.2

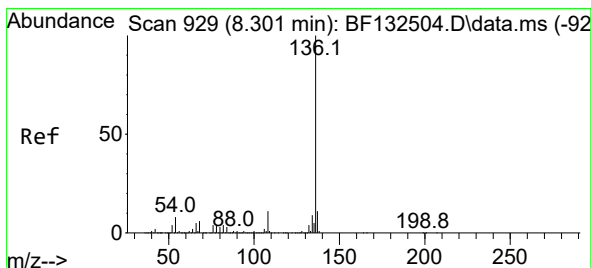
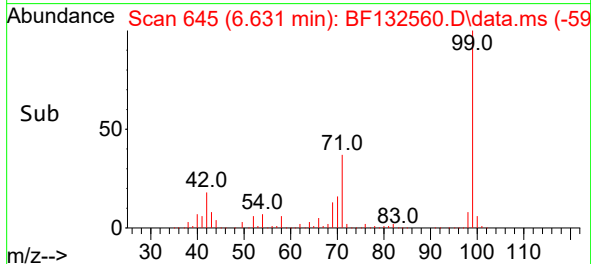
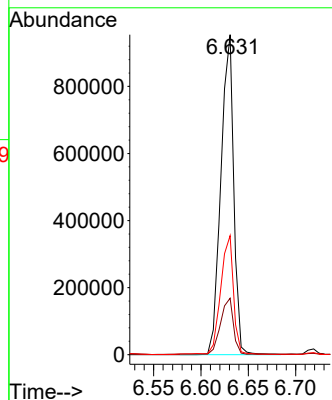
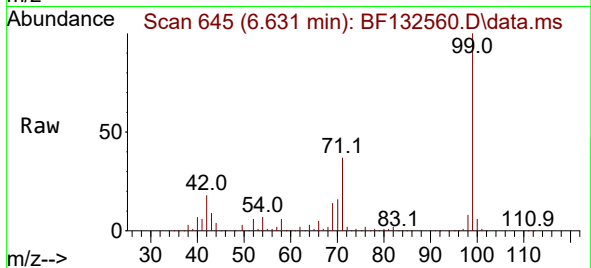




#7
Phenol-d6
Concen: 89.813 ng
RT: 6.631 min Scan# 647
Delta R.T. -0.006 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

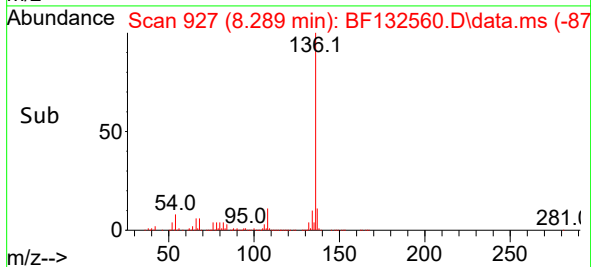
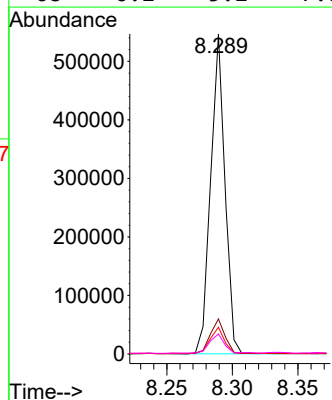
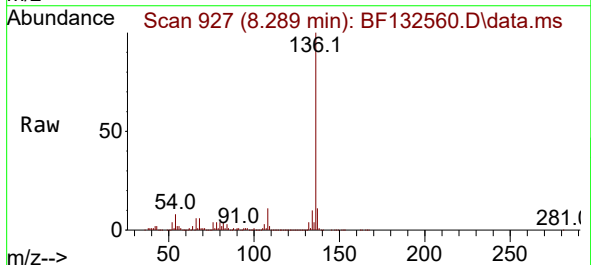
Instrument :
BNA_F
ClientSampleId :
KU-CON3

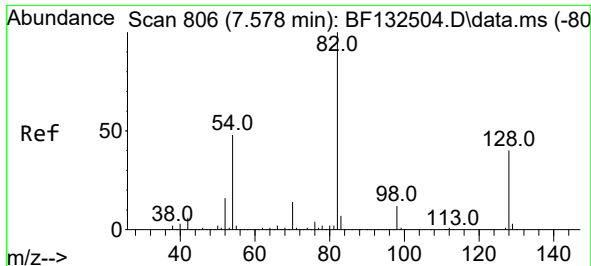
Tgt Ion: 99 Resp: 899200
Ion Ratio Lower Upper
99 100
42 17.7 13.9 20.9
71 37.2 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. 0.000 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion:136 Resp: 414884
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.3 6.2 9.4
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 71.660 ng

RT: 7.566 min Scan# 804

Delta R.T. -0.006 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

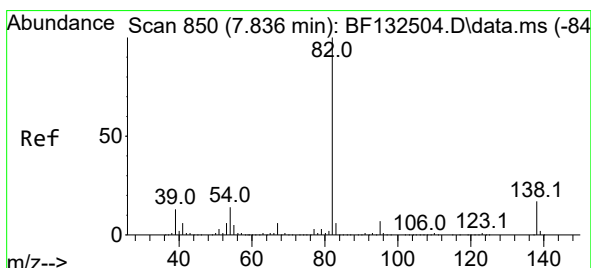
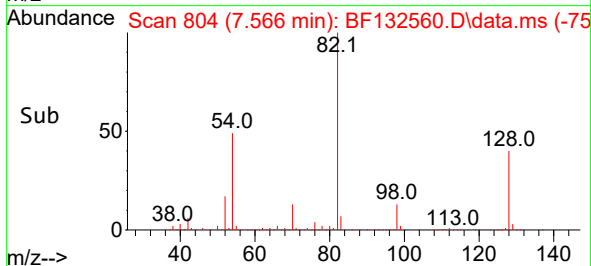
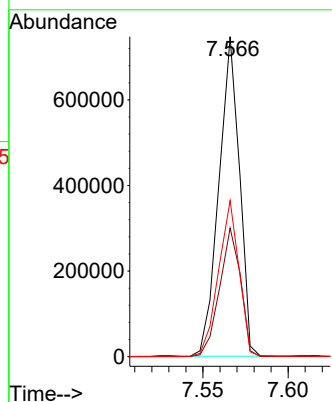
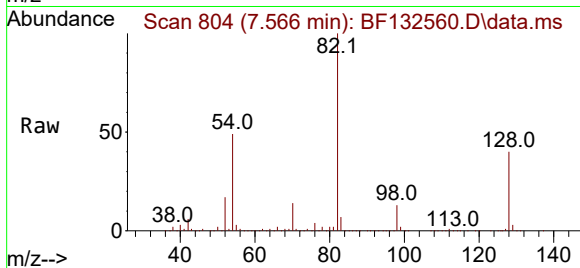
Tgt Ion: 82 Resp: 626637

Ion Ratio Lower Upper

82 100

128 40.2 32.2 48.2

54 48.8 38.4 57.6



#25

Isophorone

Concen: 37.468 ng

RT: 7.566 min Scan# 804

Delta R.T. -0.259 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

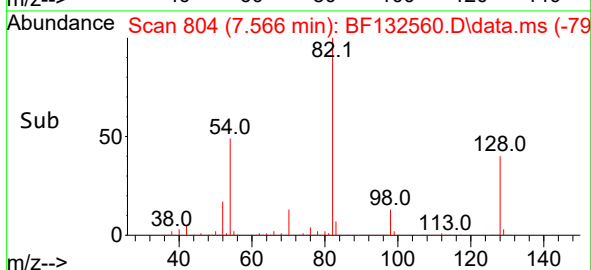
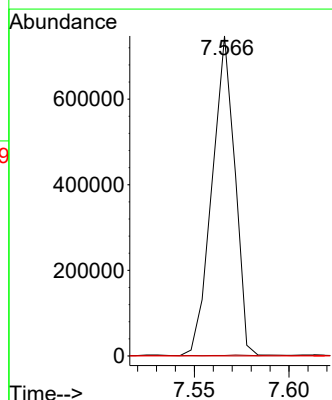
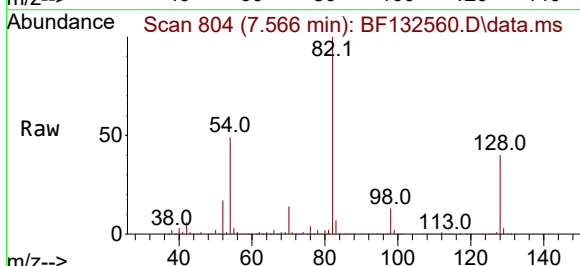
Tgt Ion: 82 Resp: 628165

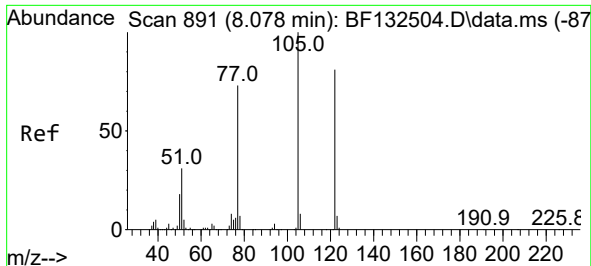
Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

138 0.0 13.3 19.9#

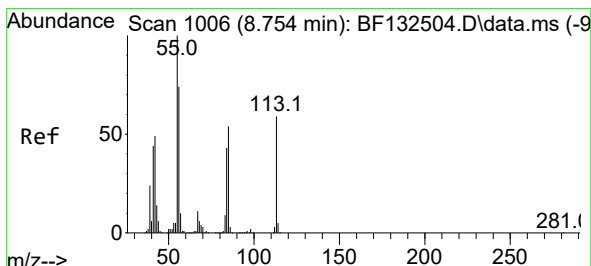
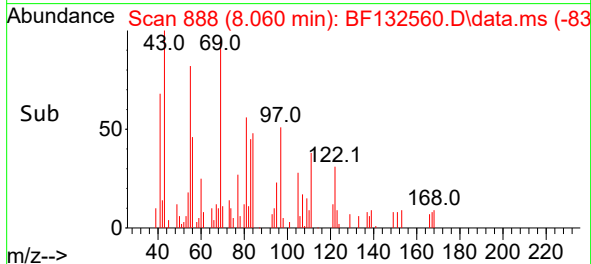
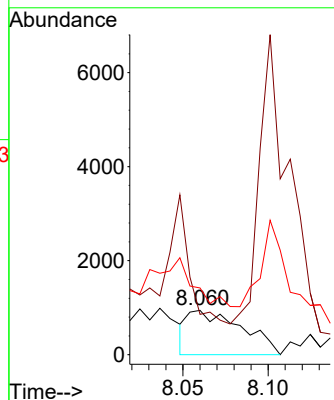
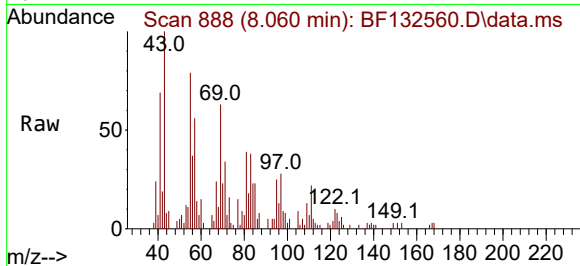




#32
Benzoic acid
Concen: 4.211 ng
RT: 8.060 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

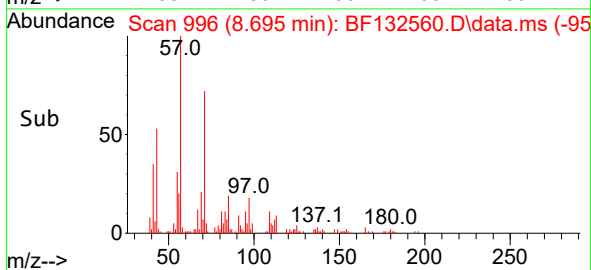
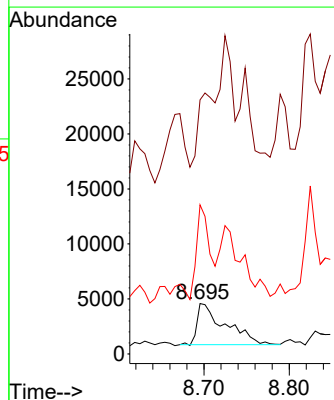
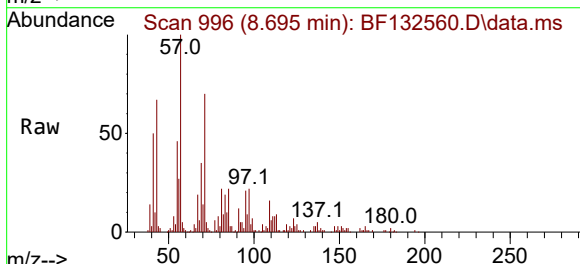
Instrument :
BNA_F
ClientSampleId :
KU-CON3

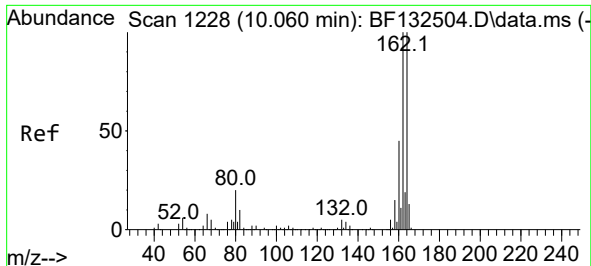
Tgt Ion:122 Resp: 2089
Ion Ratio Lower Upper
122 100
105 91.1 102.6 142.6#
77 150.7 70.2 110.2#



#35
Caprolactam
Concen: 3.986 ng
RT: 8.695 min Scan# 996
Delta R.T. -0.047 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion:113 Resp: 8514
Ion Ratio Lower Upper
113 100
55 503.8 149.4 189.4#
56 295.9 105.0 145.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.095 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

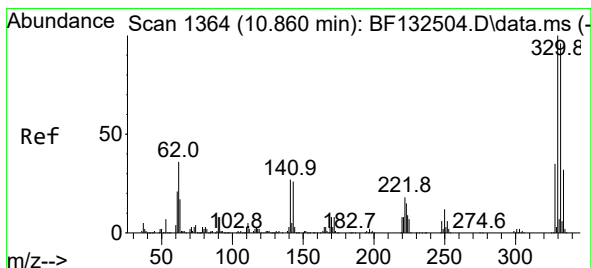
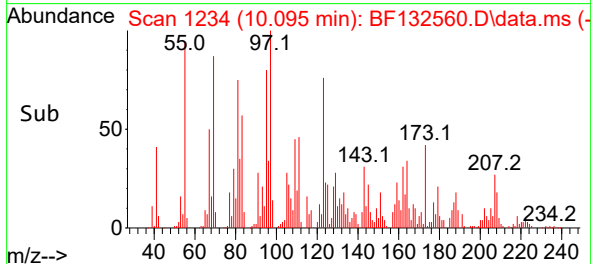
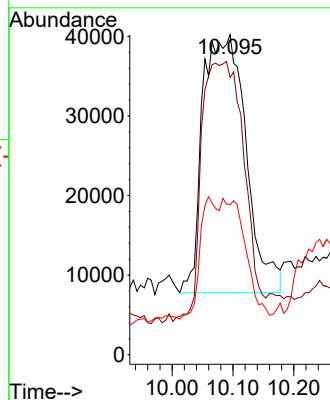
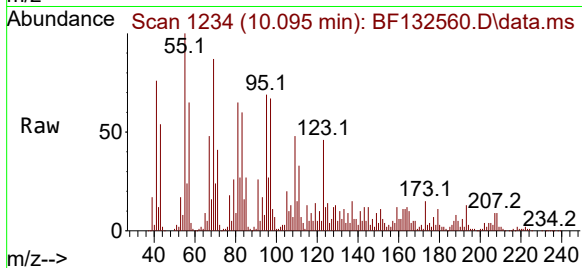
Tgt Ion:164 Resp: 160077

Ion Ratio Lower Upper

164 100

162 86.7 79.8 119.8

160 46.9 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 34.412 ng

RT: 10.889 min Scan# 1369

Delta R.T. 0.041 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

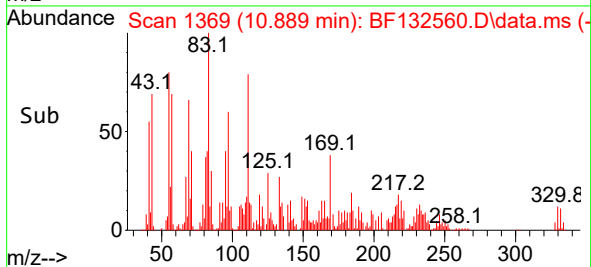
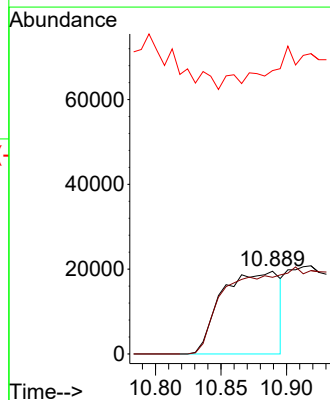
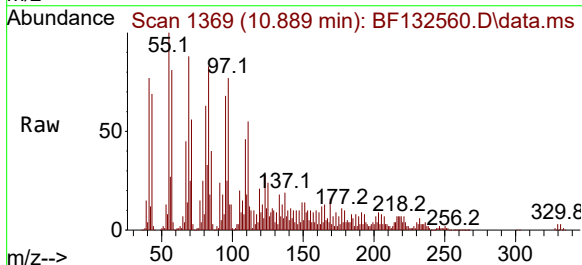
Tgt Ion:330 Resp: 59491

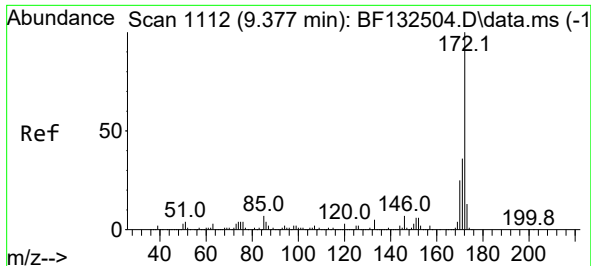
Ion Ratio Lower Upper

330 100

332 217.3 76.2 114.4#

141 0.0 28.4 42.6#

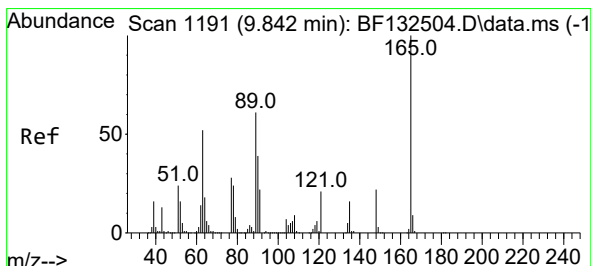
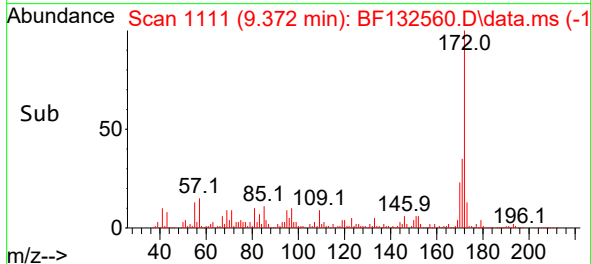
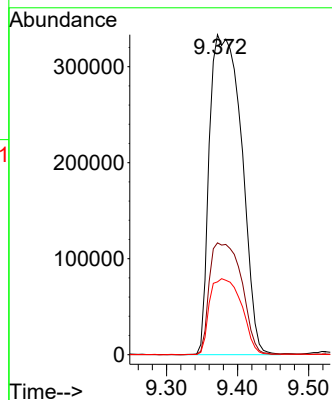
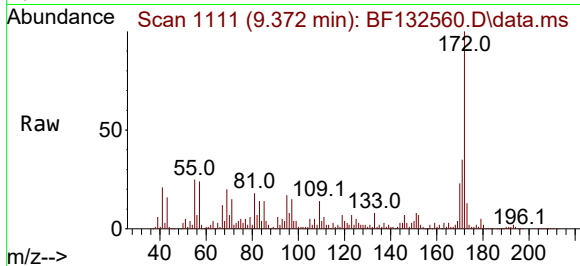




#45
2-Fluorobiphenyl
Concen: 99.317 ng
RT: 9.372 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

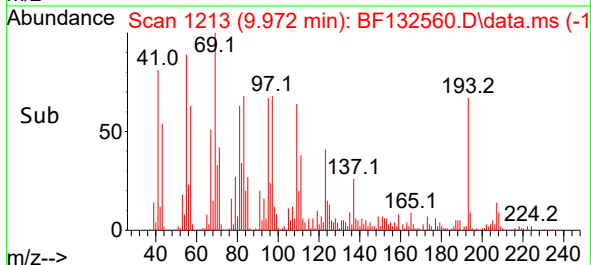
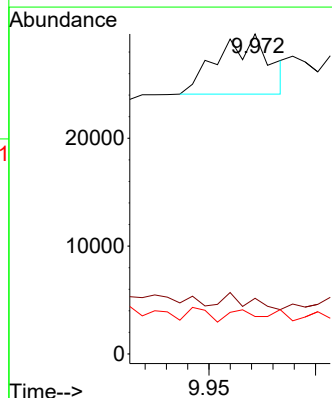
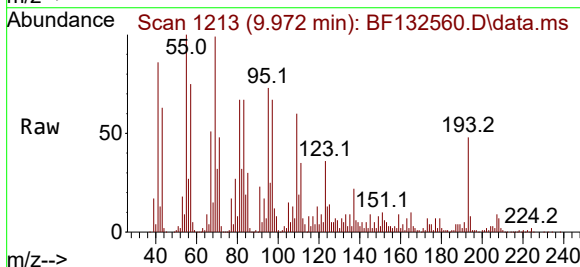
Instrument :
BNA_F
ClientSampleId :
KU-CON3

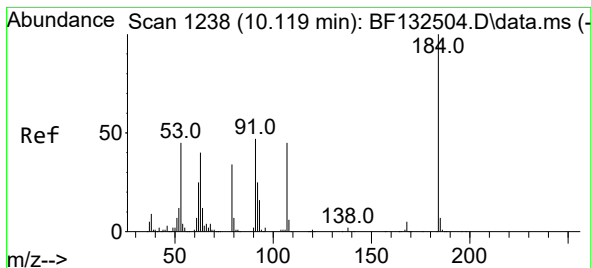
Tgt Ion:172 Resp: 1044115
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 22.8 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 3.514 ng
RT: 9.972 min Scan# 1213
Delta R.T. 0.135 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion:165 Resp: 9327
Ion Ratio Lower Upper
165 100
63 17.4 47.3 70.9#
89 11.7 48.9 73.3#

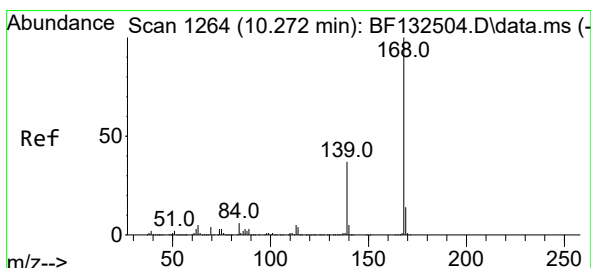
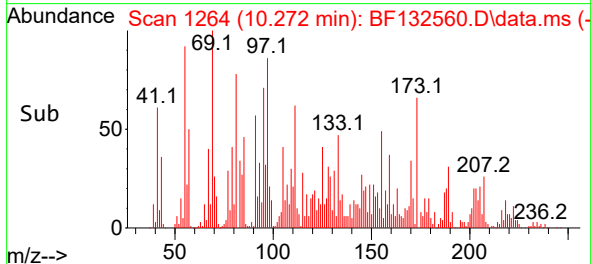
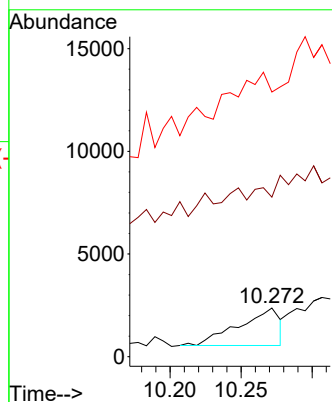
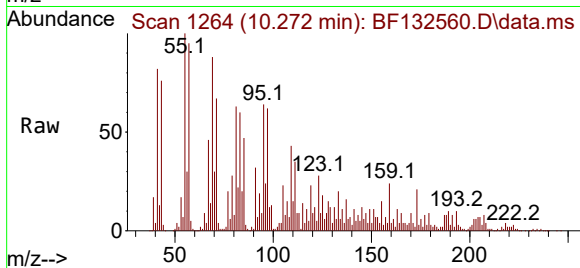




#54
2,4-Dinitrophenol
Concen: 3.976 ng
RT: 10.272 min Scan# 1264
Delta R.T. 0.159 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

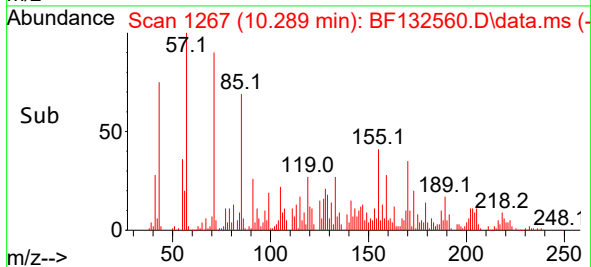
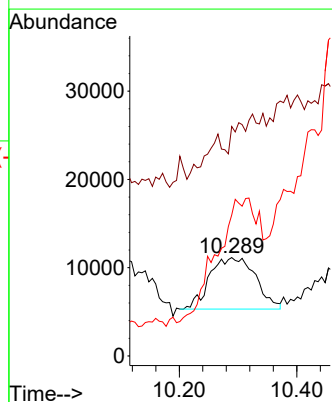
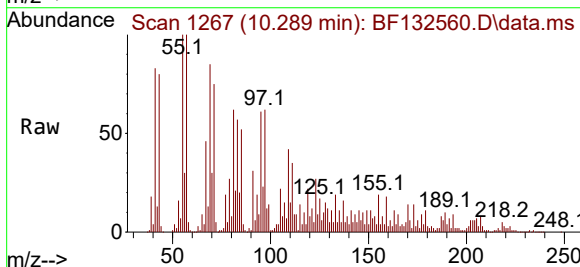
Instrument :
BNA_F
ClientSampleId :
KU-CON3

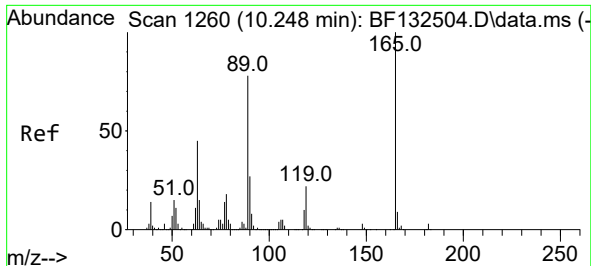
Tgt Ion:184 Resp: 3649
Ion Ratio Lower Upper
184 100
63 327.5 51.4 77.2#
154 543.0 48.3 72.5#



#55
Dibenzofuran
Concen: 2.234 ng
RT: 10.289 min Scan# 1267
Delta R.T. 0.029 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion:168 Resp: 31611
Ion Ratio Lower Upper
168 100
139 233.1 29.8 44.6#
169 143.3 10.9 16.3#

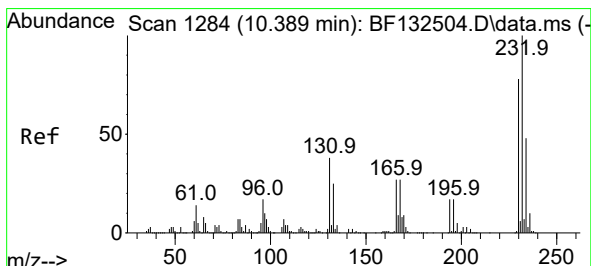
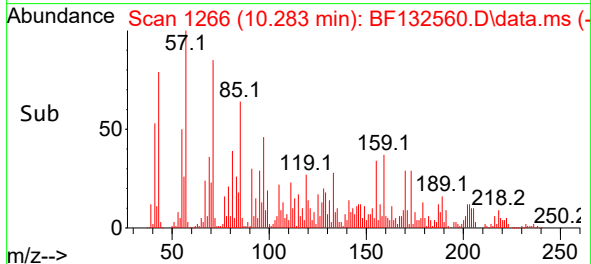
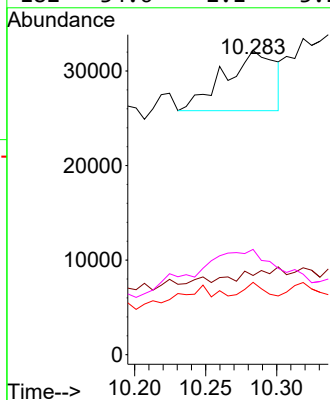
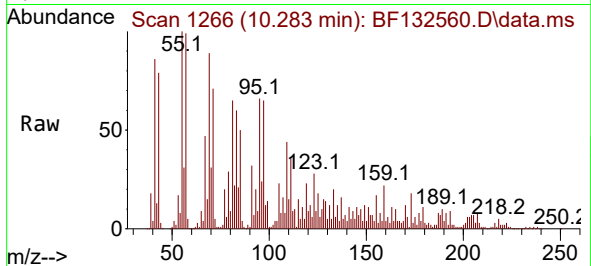




#57
2,4-Dinitrotoluene
Concen: 4.453 ng
RT: 10.283 min Scan# 1266
Delta R.T. 0.041 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

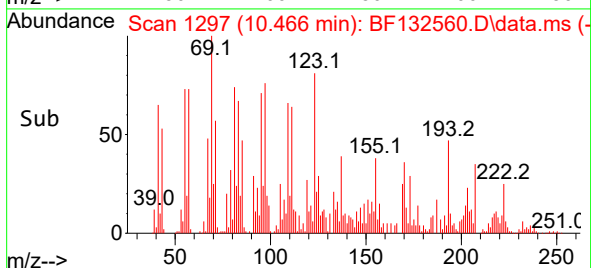
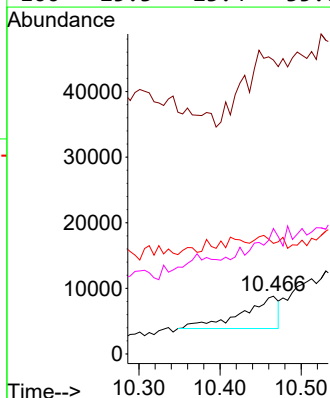
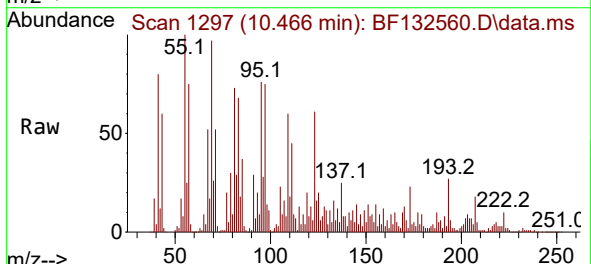
Instrument :
BNA_F
ClientSampleId :
KU-CON3

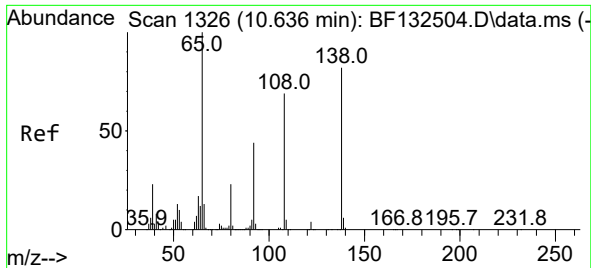
Tgt Ion:165 Resp: 15726
Ion Ratio Lower Upper
165 100
63 26.0 36.5 54.7#
89 23.8 62.4 93.6#
182 34.6 2.1 3.1#



#59
2,3,4,6-Tetrachlorophenol
Concen: 5.004 ng
RT: 10.466 min Scan# 1297
Delta R.T. 0.088 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion:232 Resp: 15400
Ion Ratio Lower Upper
232 100
131 212.0 33.8 50.8#
130 0.0 1.7 2.5#
166 25.3 23.4 35.0

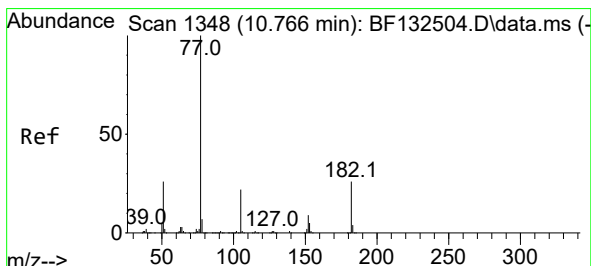
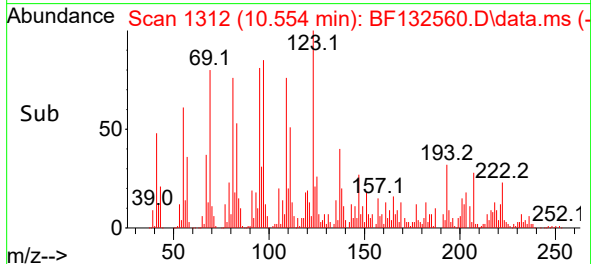
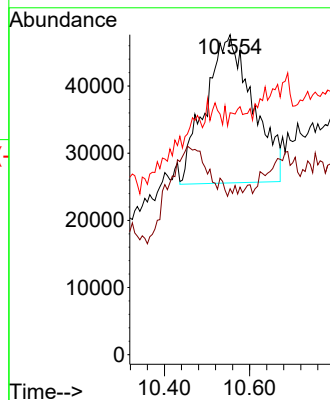
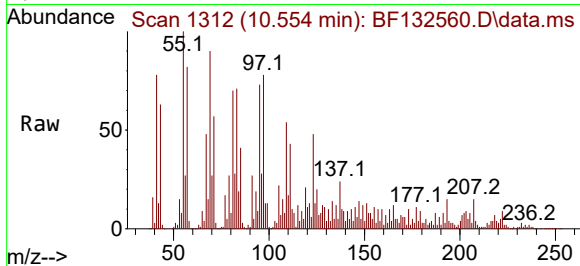




#62
4-Nitroaniline
Concen: 58.454 ng
RT: 10.554 min Scan# 1312
Delta R.T. -0.076 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

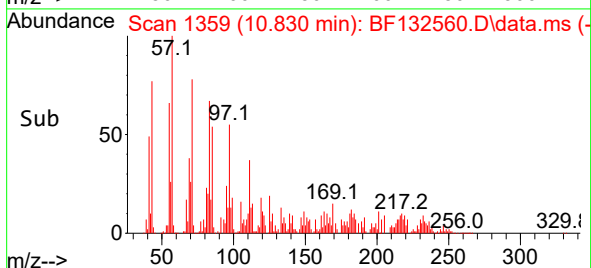
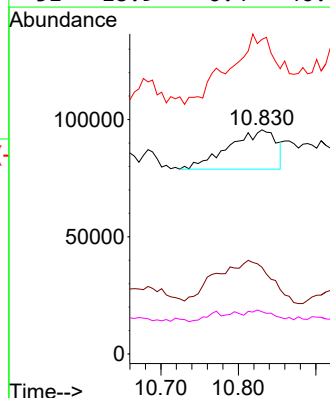
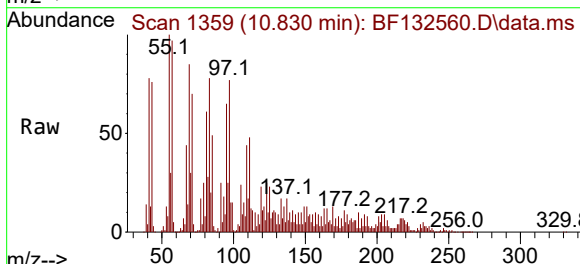
Instrument :
BNA_F
ClientSampleId :
KU-CON3

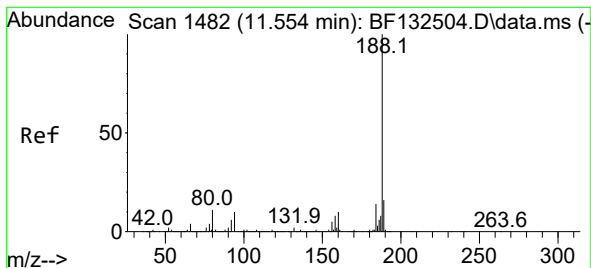
Tgt Ion:138 Resp: 170377
Ion Ratio Lower Upper
138 100
92 51.8 33.8 73.8
108 75.6 63.7 103.7



#63
Azobenzene
Concen: 5.921 ng
RT: 10.830 min Scan# 1359
Delta R.T. 0.077 min
Lab File: BF132560.D
Acq: 27 Feb 2023 19:15

Tgt Ion: 77 Resp: 71381
Ion Ratio Lower Upper
77 100
182 38.7 5.5 45.5
105 140.4 1.8 41.8#
51 18.9 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.672 min Scan# 1

Delta R.T. 0.124 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

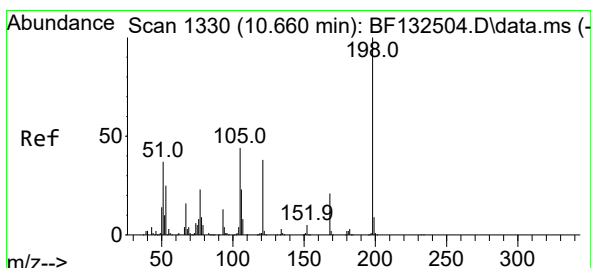
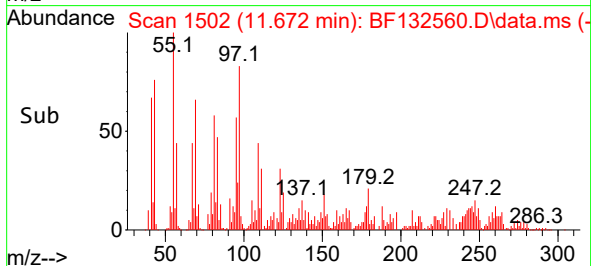
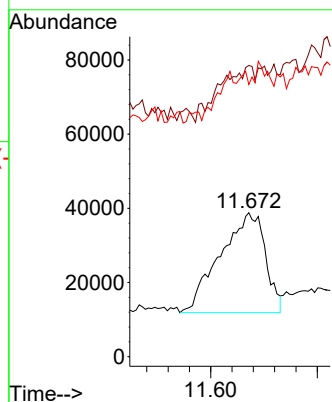
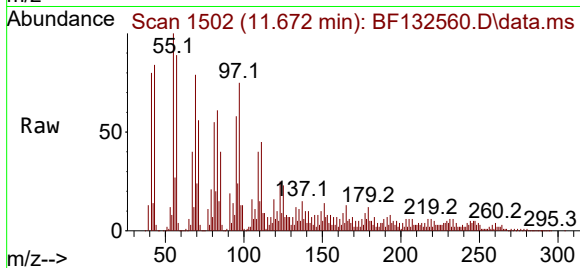
Tgt Ion:188 Resp: 158847

Ion Ratio Lower Upper

188 100

94 202.2 8.3 12.5#

80 189.0 8.7 13.1#



#65

4,6-Dinitro-2-methylphenol

Concen: 206.159 ng

RT: 10.972 min Scan# 1383

Delta R.T. 0.318 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

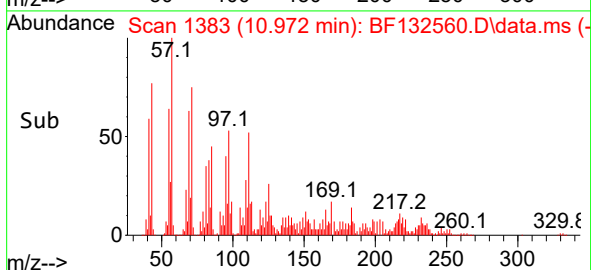
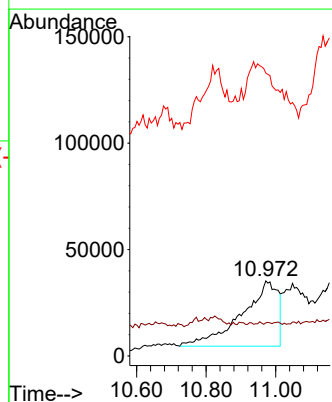
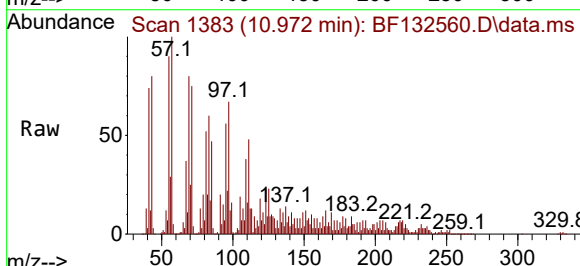
Tgt Ion:198 Resp: 221686

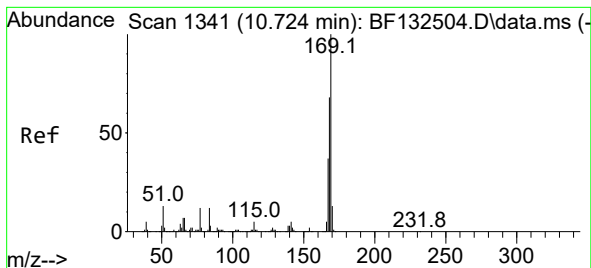
Ion Ratio Lower Upper

198 100

51 44.1 20.6 60.6

105 377.0 24.3 64.3#





#66

n-Nitrosodiphenylamine

Concen: 7.343 ng

RT: 10.889 min Scan# 11

Delta R.T. 0.176 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

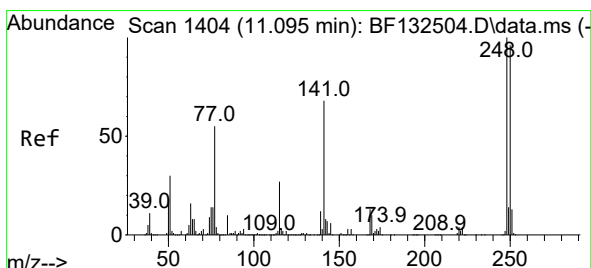
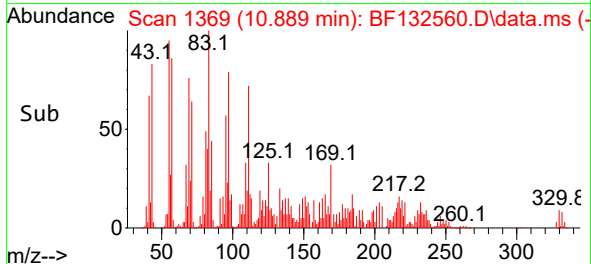
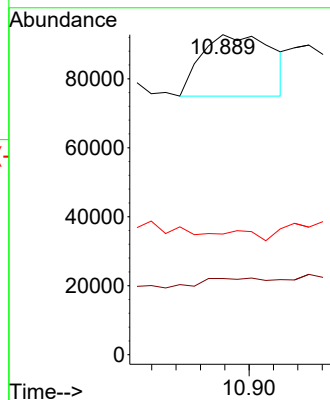
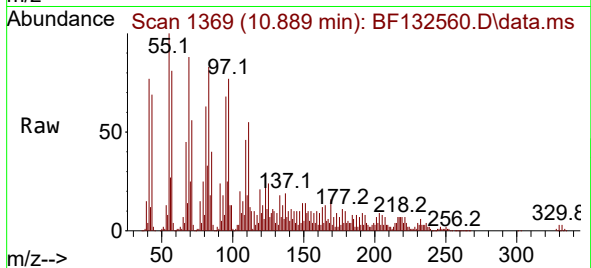
Tgt Ion:169 Resp: 36364

Ion Ratio Lower Upper

169 100

168 23.8 54.2 81.4#

167 37.7 29.6 44.4



#67

4-Bromophenyl-phenylether

Concen: 9.585 ng

RT: 11.148 min Scan# 1413

Delta R.T. 0.059 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

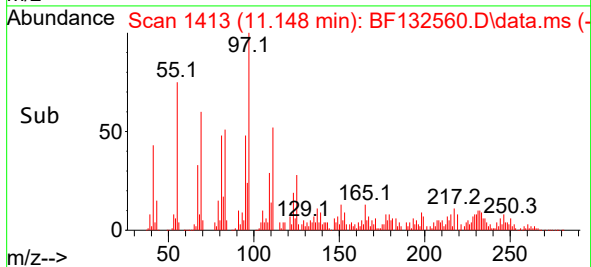
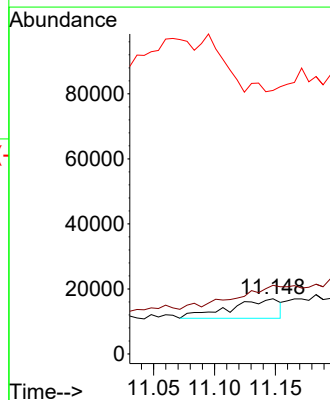
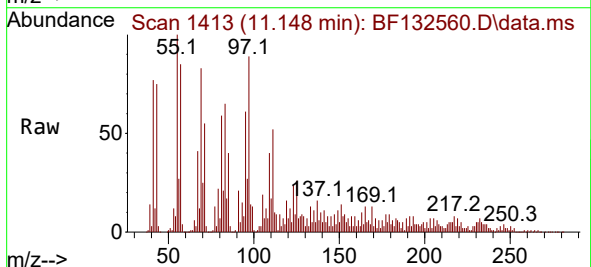
Tgt Ion:248 Resp: 17222

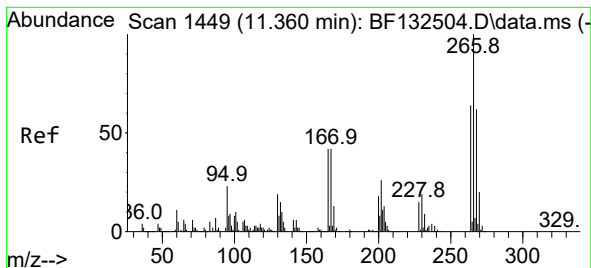
Ion Ratio Lower Upper

248 100

250 124.2 77.0 115.4#

141 477.0 54.2 81.2#





#70

Pentachlorophenol

Concen: 25.730 ng

RT: 11.501 min Scan# 1449

Delta R.T. 0.153 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

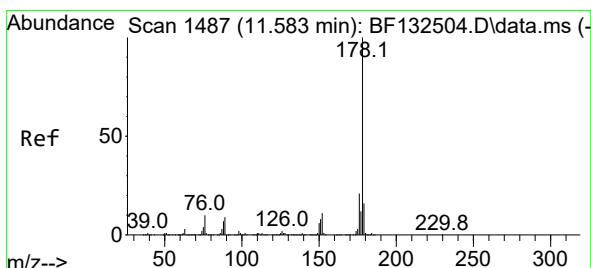
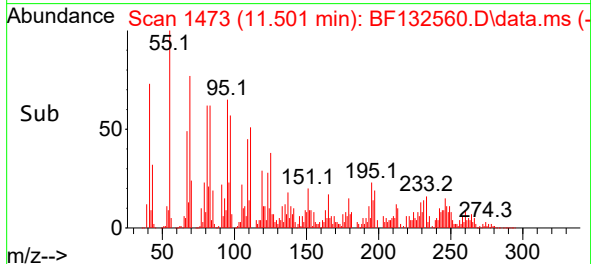
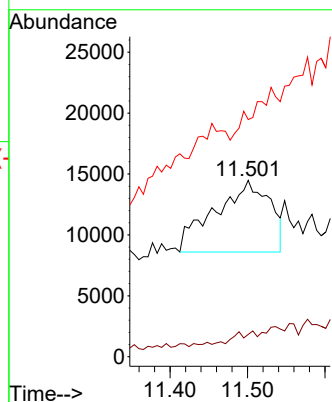
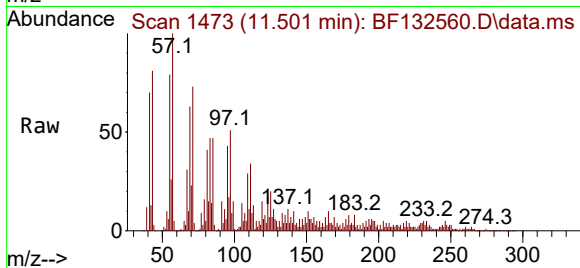
Tgt Ion:266 Resp: 28943

Ion Ratio Lower Upper

266 100

268 12.6 49.8 74.6#

264 134.5 50.9 76.3#



#71

Phenanthrene

Concen: 7.403 ng

RT: 11.707 min Scan# 1508

Delta R.T. 0.129 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

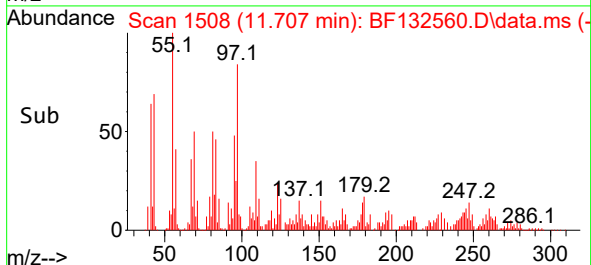
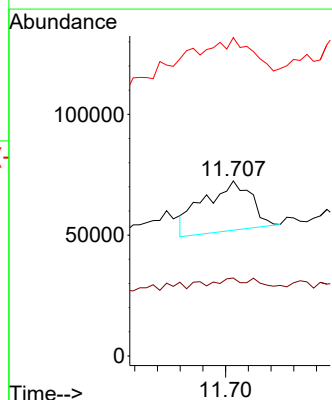
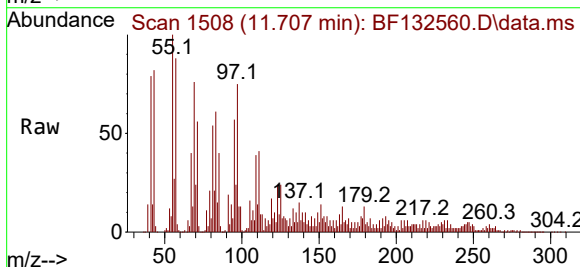
Tgt Ion:178 Resp: 60922

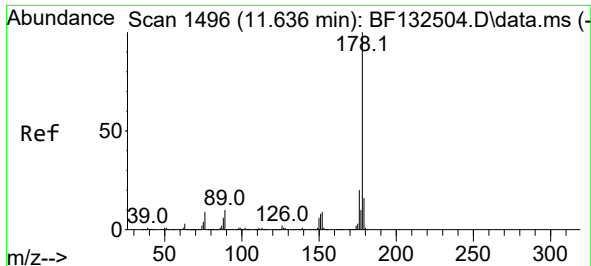
Ion Ratio Lower Upper

178 100

176 44.6 16.5 24.7#

179 182.0 13.0 19.6#

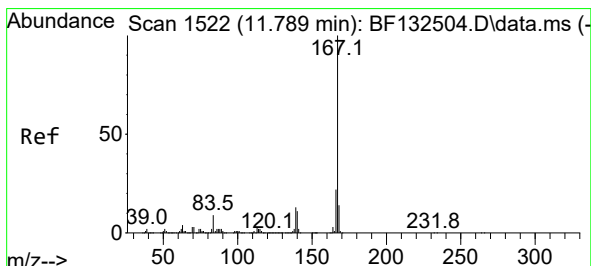
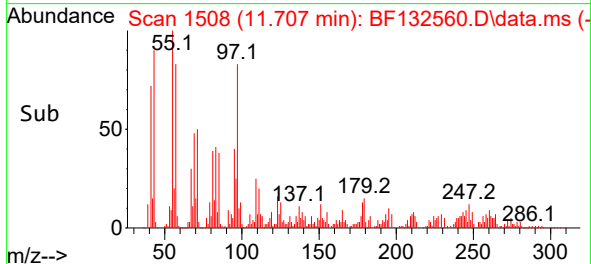
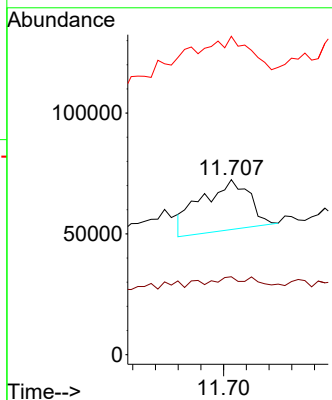
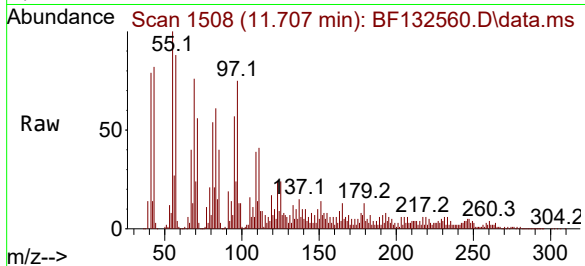




#72
 Anthracene
 Concen: 7.350 ng
 RT: 11.707 min Scan# 1508
 Delta R.T. 0.076 min
 Lab File: BF132560.D
 Acq: 27 Feb 2023 19:15

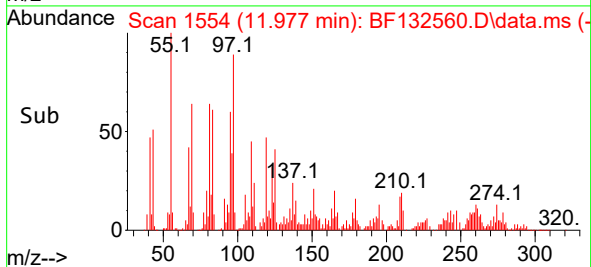
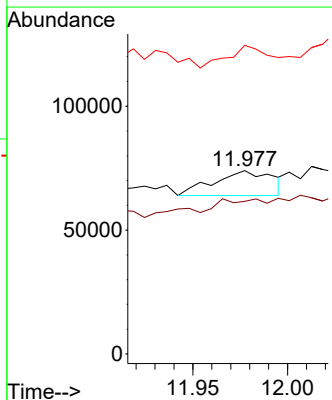
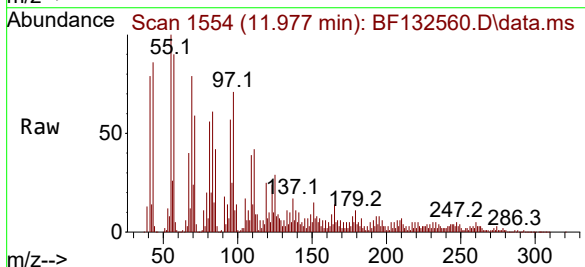
Instrument :
 BNA_F
 ClientSampleId :
 KU-CON3

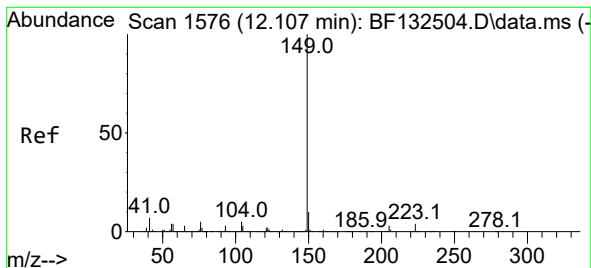
Tgt Ion:178 Resp: 62285
 Ion Ratio Lower Upper
 178 100
 176 44.6 15.6 23.4#
 179 182.0 12.5 18.7#



#73
 Carbazole
 Concen: 2.815 ng
 RT: 11.977 min Scan# 1554
 Delta R.T. 0.194 min
 Lab File: BF132560.D
 Acq: 27 Feb 2023 19:15

Tgt Ion:167 Resp: 21509
 Ion Ratio Lower Upper
 167 100
 166 83.3 17.7 26.5#
 139 168.3 10.5 15.7#





#74

Di-n-butylphthalate

Concen: 7.111 ng

RT: 12.201 min Scan# 1

Delta R.T. 0.100 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

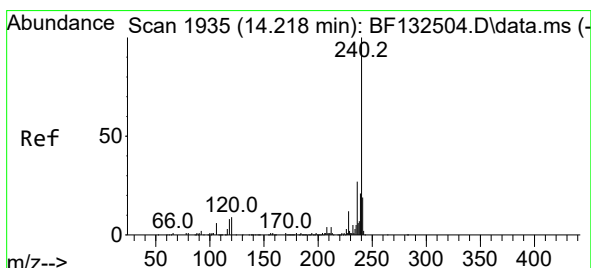
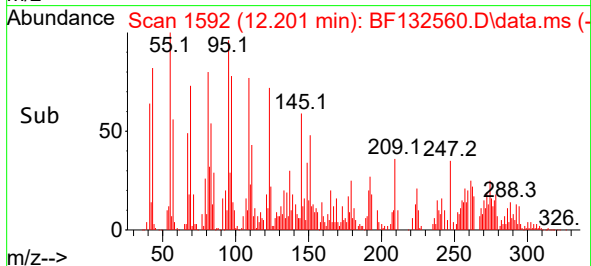
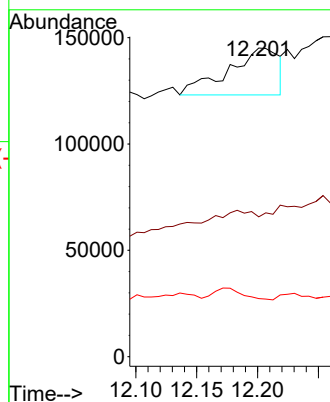
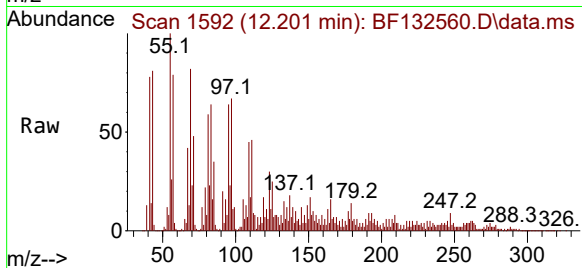
Tgt Ion:149 Resp: 63733

Ion Ratio Lower Upper

149 100

150 45.3 7.8 11.8#

104 18.8 4.3 6.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.260 min Scan# 1942

Delta R.T. 0.053 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

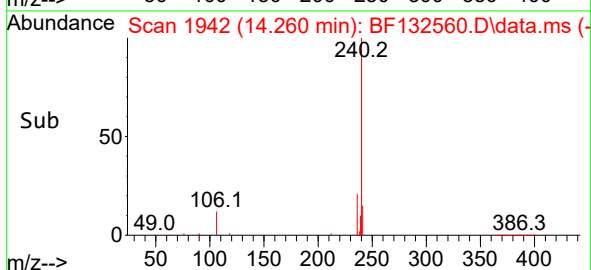
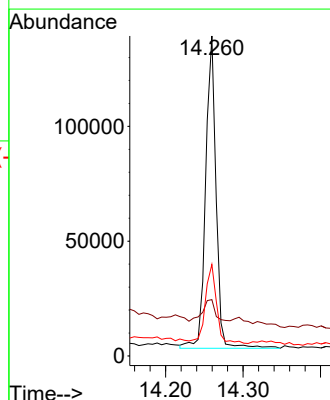
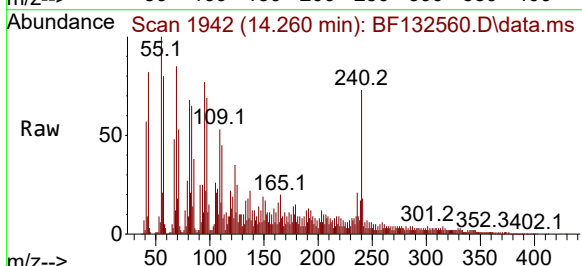
Tgt Ion:240 Resp: 127633

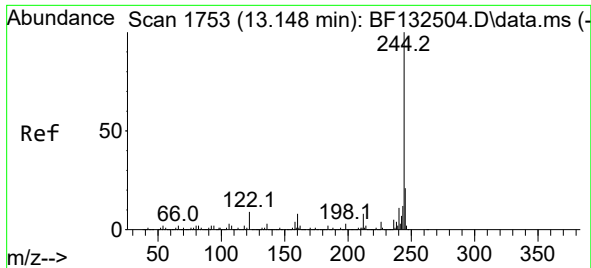
Ion Ratio Lower Upper

240 100

120 17.6 7.2 10.8#

236 28.6 21.8 32.6

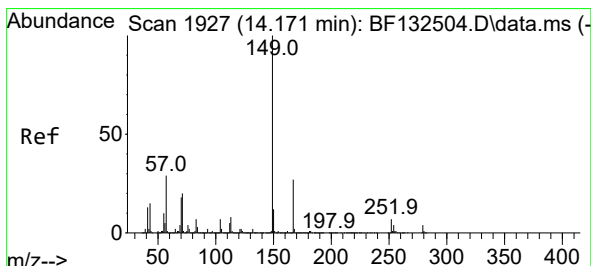
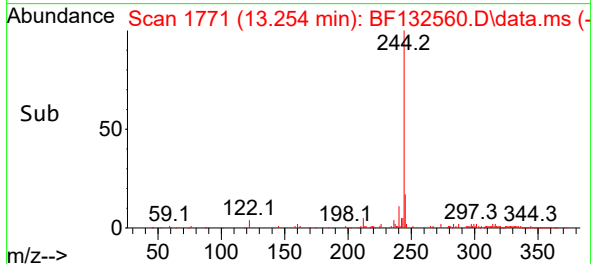
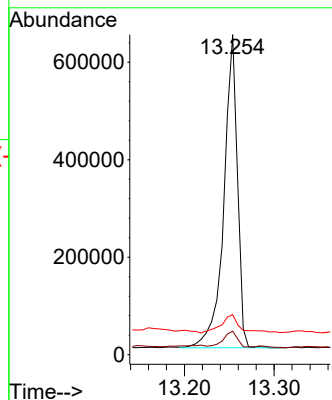
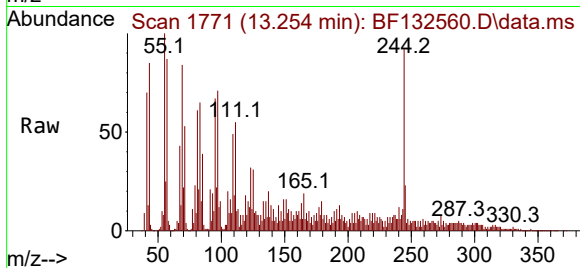




#79
 Terphenyl-d14
 Concen: 89.471 ng
 RT: 13.254 min Scan# 1771
 Delta R.T. 0.112 min
 Lab File: BF132560.D
 Acq: 27 Feb 2023 19:15

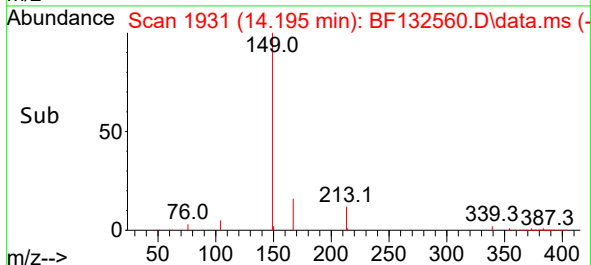
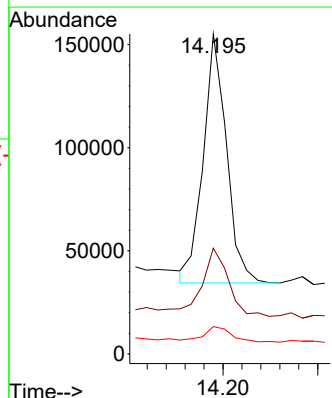
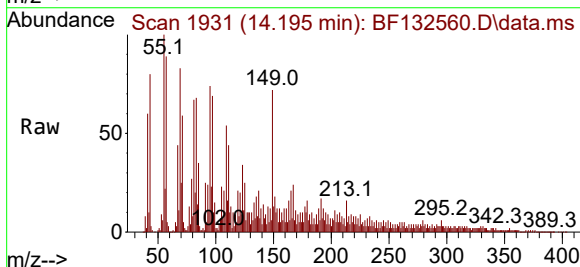
Instrument :
 BNA_F
 ClientSampleId :
 KU-CON3

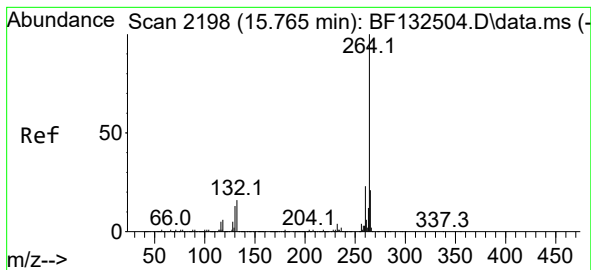
Tgt Ion:244 Resp: 675409
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 12.5 7.5 11.3#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 18.294 ng
 RT: 14.195 min Scan# 1931
 Delta R.T. 0.029 min
 Lab File: BF132560.D
 Acq: 27 Feb 2023 19:15

Tgt Ion:149 Resp: 102911
 Ion Ratio Lower Upper
 149 100
 167 33.1 21.8 32.6#
 279 8.6 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.783 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF132560.D

Acq: 27 Feb 2023 19:15

Instrument :

BNA_F

ClientSampleId :

KU-CON3

Tgt Ion:264 Resp: 135302

Ion Ratio Lower Upper

264 100

260 25.5 18.8 28.2

265 21.5 17.1 25.7

