

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
 Data File : BF132559.D
 Acq On : 27 Feb 2023 18:42
 Operator : CG\JU
 Sample : 01703-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KU-CON2

Quant Time: Feb 28 03:17:26 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)

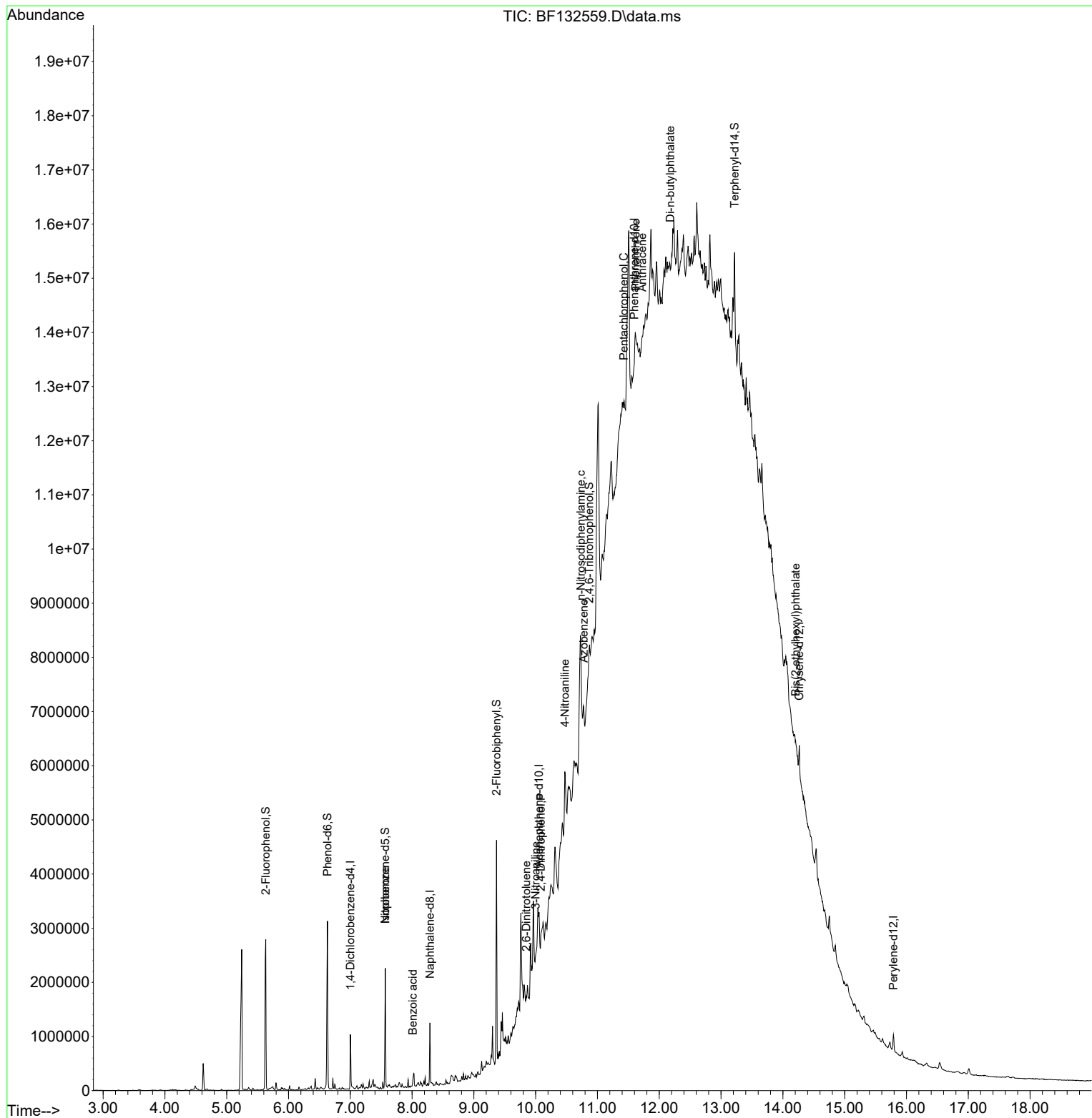
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	127983	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	420932	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	162159	20.000	ng	0.00
64) Phenanthrene-d10	11.595	188	209210	20.000	ng	# 0.05
76) Chrysene-d12	14.266	240	202977	20.000	ng	# 0.06
86) Perylene-d12	15.789	264	137428	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	743154	94.240	ng	0.00
7) Phenol-d6	6.631	99	1058044	102.807	ng	0.00
23) Nitrobenzene-d5	7.566	82	642498	72.418	ng	0.00
42) 2,4,6-Tribromophenol	10.866	330	258688	147.716	ng	0.02
45) 2-Fluorobiphenyl	9.366	172	1139267	106.976	ng	0.00
79) Terphenyl-d14	13.219	244	1137039	94.712	ng	0.08
Target Compounds						
						Qvalue
25) Isophorone	7.566	82	642498	37.772	ng	# 67
32) Benzoic acid	8.013	122	16631	6.775	ng	96
51) 2,6-Dinitrotoluene	9.848	165	5782	2.150	ng	# 38
53) 3-Nitroaniline	10.001	138	12379	4.115	ng	# 20
54) 2,4-Dinitrophenol	10.083	184	1058	2.455	ng	# 1
62) 4-Nitroaniline	10.472	138	21642	7.330	ng	94
63) Azobenzene	10.778	77	100017	8.190	ng	# 6
66) n-Nitrosodiphenylamine	10.730	169	115992	17.784	ng	# 55
70) Pentachlorophenol	11.425	266	22968	15.503	ng	# 40
71) Phenanthrene	11.619	178	105351	9.720	ng	# 1
72) Anthracene	11.725	178	25797	2.311	ng	# 1
74) Di-n-butylphthalate	12.177	149	120778	10.232	ng	# 36
84) Bis(2-ethylhexyl)phtha...	14.207	149	49659	5.551	ng	# 71

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

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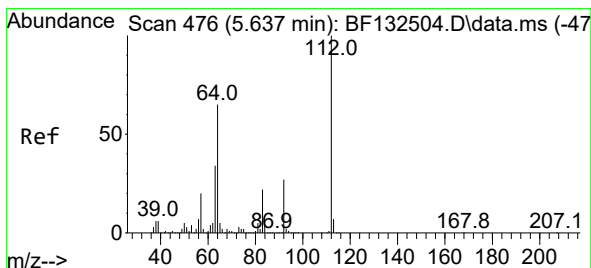
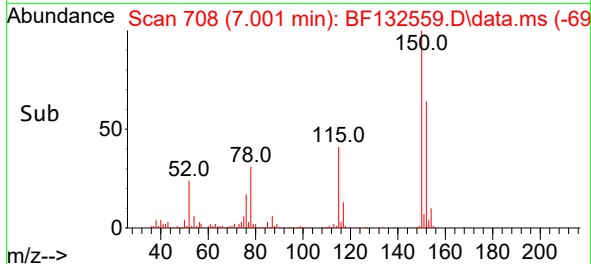
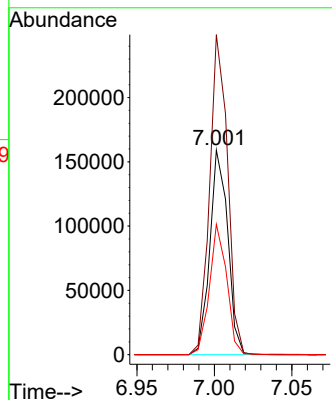
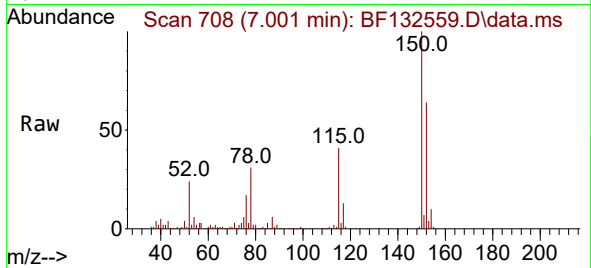




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

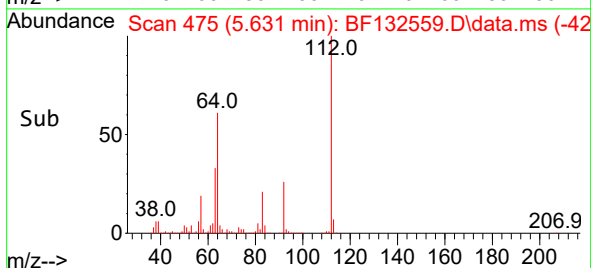
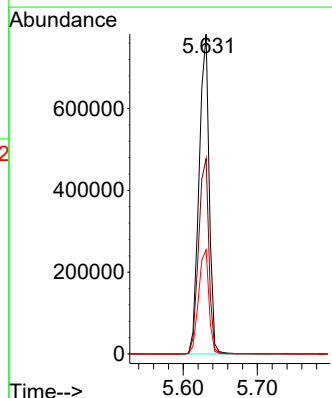
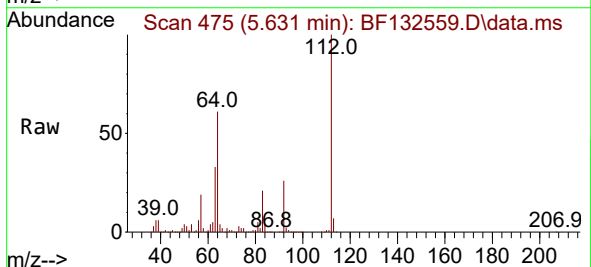
Instrument :
BNA_F
ClientSampleId :
KU-CON2

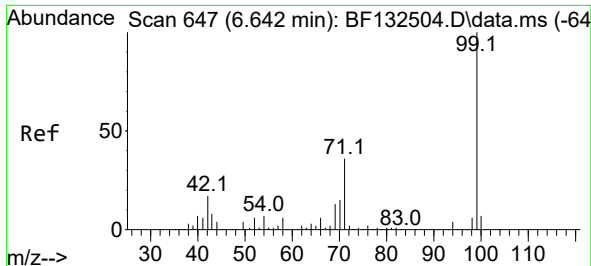
Tgt Ion:152 Resp: 127983
Ion Ratio Lower Upper
152 100
150 156.4 125.4 188.2
115 63.8 47.8 71.6



#5
2-Fluorophenol
Concen: 94.240 ng
RT: 5.631 min Scan# 475
Delta R.T. 0.000 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

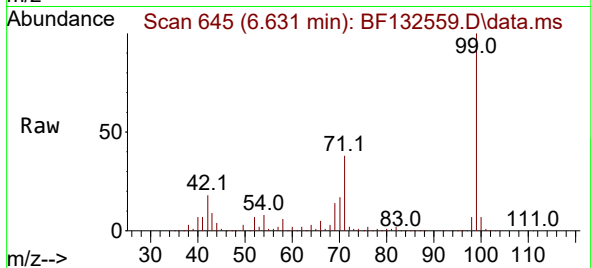
Tgt Ion:112 Resp: 743154
Ion Ratio Lower Upper
112 100
64 61.0 51.6 77.4
63 32.5 27.4 41.2





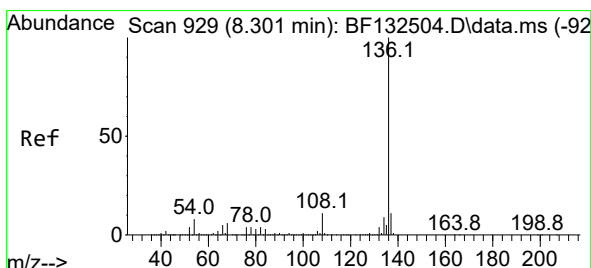
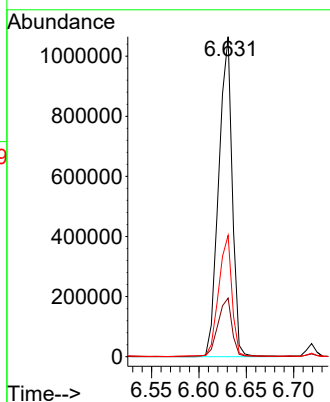
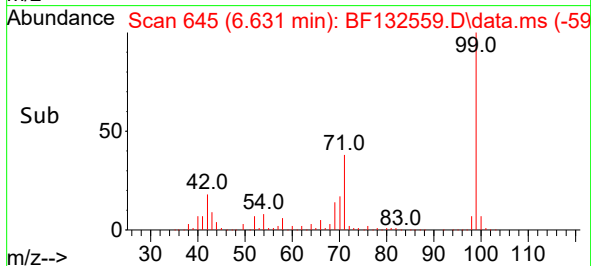
#7
Phenol-d6
Concen: 102.807 ng
RT: 6.631 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

Instrument :
BNA_F
ClientSampleId :
KU-CON2

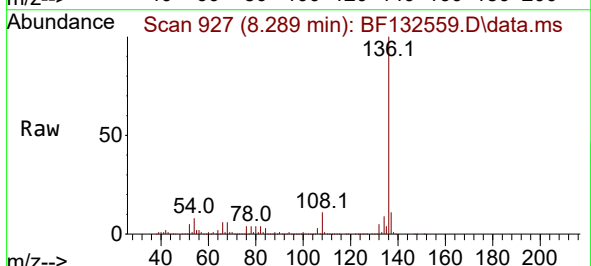


Tgt Ion: 99 Resp: 1058044

Ion	Ratio	Lower	Upper
99	100		
42	18.3	13.9	20.9
71	37.9	28.5	42.7

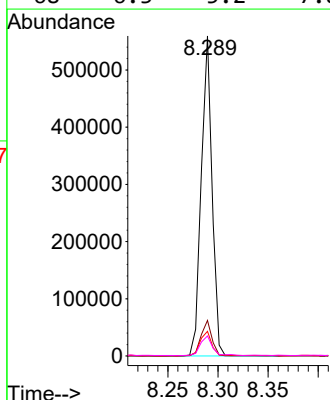
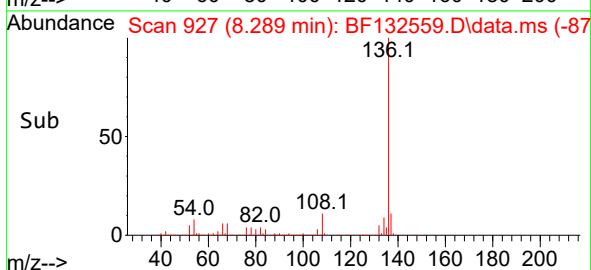


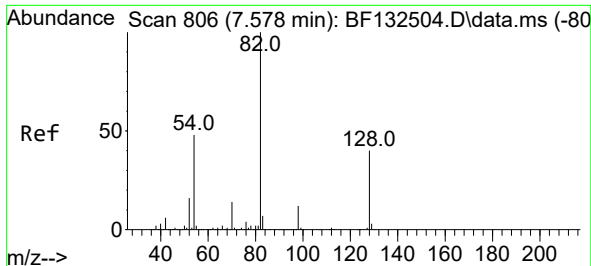
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. 0.000 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42



Tgt Ion:136 Resp: 420932

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.7	6.2	9.4
68	6.3	5.2	7.8





#23

Nitrobenzene-d5

Concen: 72.418 ng

RT: 7.566 min Scan# 804

Delta R.T. -0.006 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

Instrument :

BNA_F

ClientSampleId :

KU-CON2

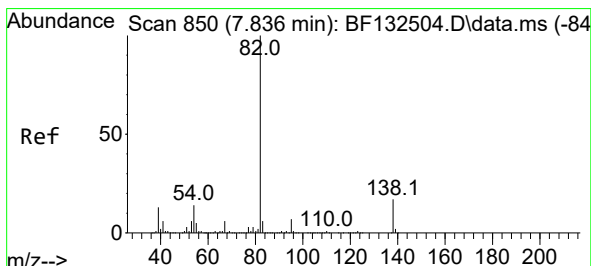
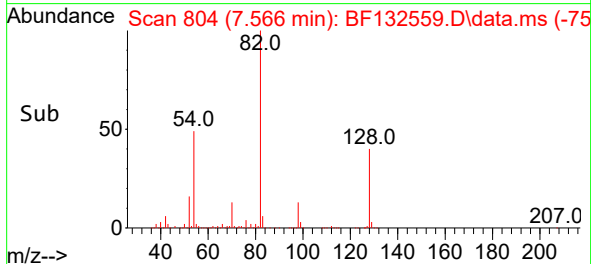
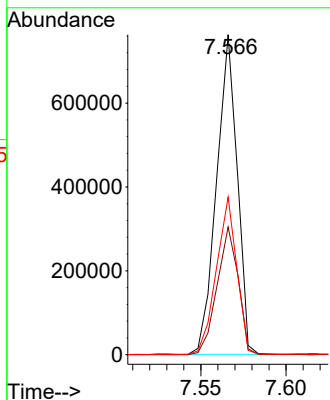
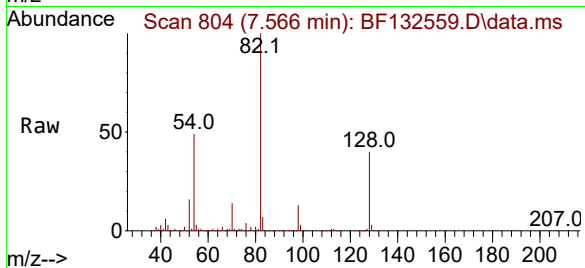
Tgt Ion: 82 Resp: 642498

Ion Ratio Lower Upper

82 100

128 39.9 32.2 48.2

54 49.2 38.4 57.6



#25

Isophorone

Concen: 37.772 ng

RT: 7.566 min Scan# 804

Delta R.T. -0.259 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

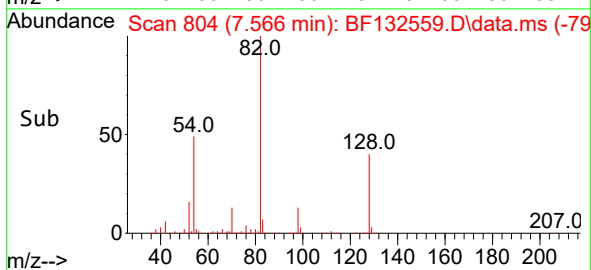
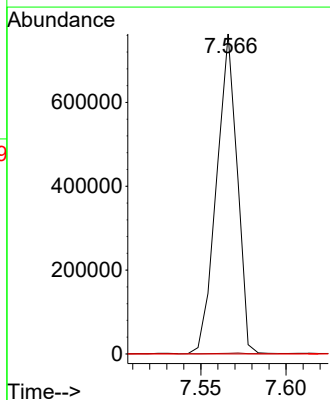
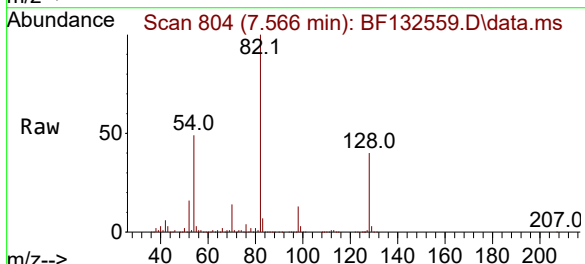
Tgt Ion: 82 Resp: 642498

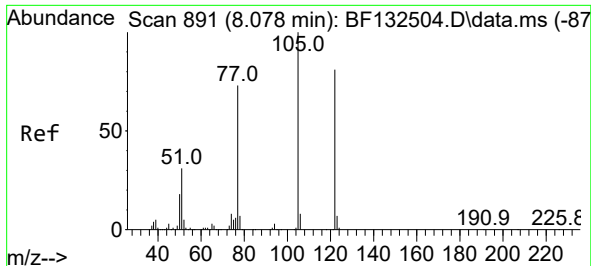
Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

138 0.0 13.3 19.9#

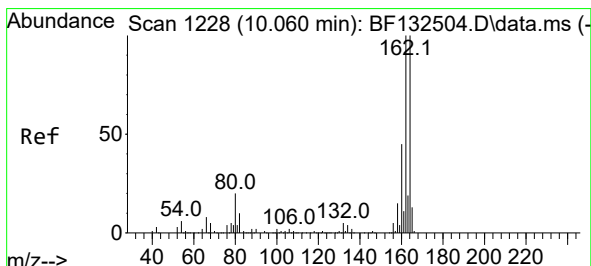
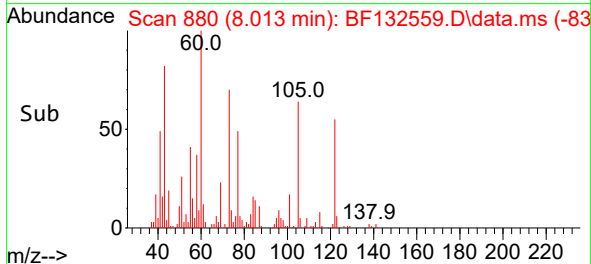
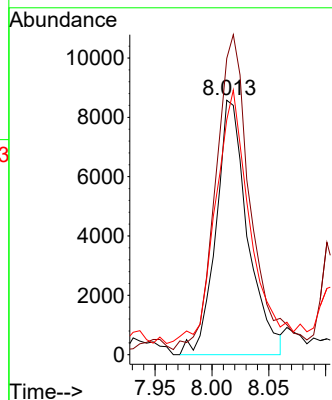
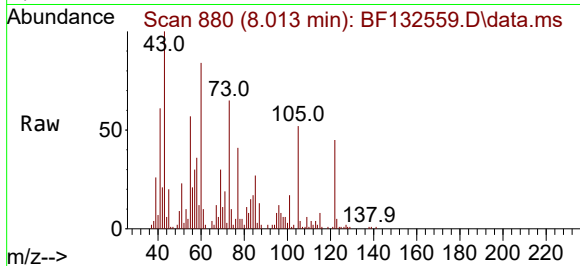




#32
Benzoic acid
Concen: 6.775 ng
RT: 8.013 min Scan# 891
Delta R.T. -0.053 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

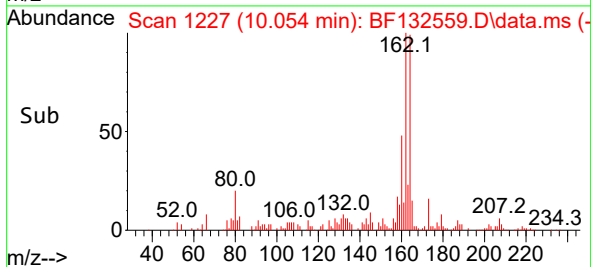
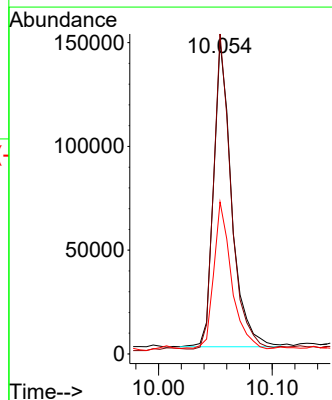
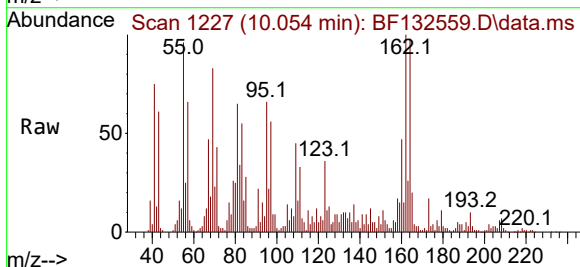
Instrument :
BNA_F
ClientSampleId :
KU-CON2

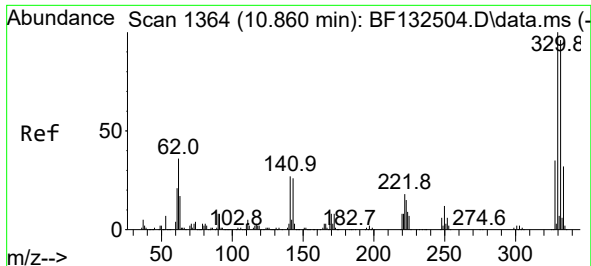
Tgt Ion:	122	Resp:	16631
Ion	Ratio	Lower	Upper
122	100		
105	116.5	102.6	142.6
77	92.4	70.2	110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

Tgt Ion:	164	Resp:	162159
Ion	Ratio	Lower	Upper
164	100		
162	102.2	79.8	119.8
160	48.5	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 147.716 ng

RT: 10.866 min Scan# 1110

Delta R.T. 0.018 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

Instrument :

BNA_F

ClientSampleId :

KU-CON2

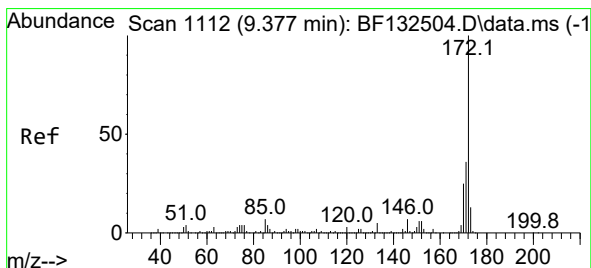
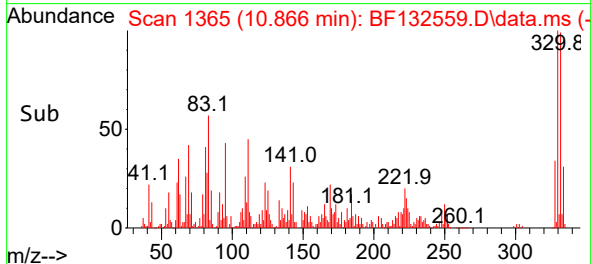
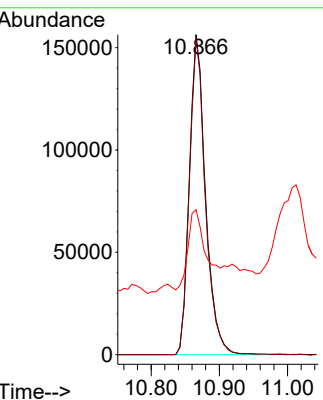
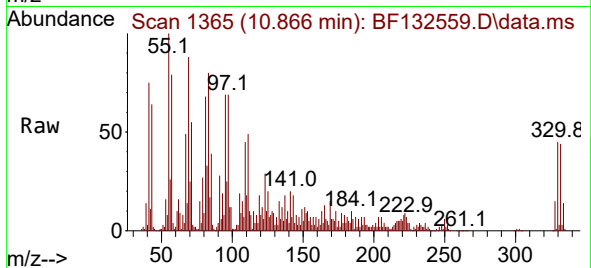
Tgt Ion:330 Resp: 258688

Ion Ratio Lower Upper

330 100

332 97.1 76.2 114.4

141 28.1 28.4 42.6#



#45

2-Fluorobiphenyl

Concen: 106.976 ng

RT: 9.366 min Scan# 1110

Delta R.T. -0.006 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

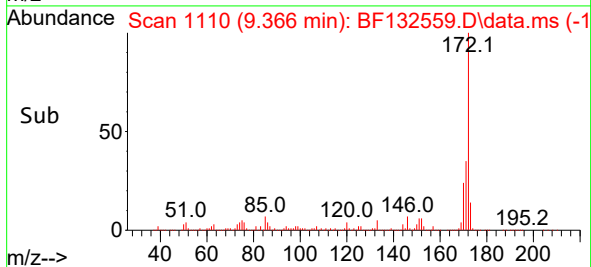
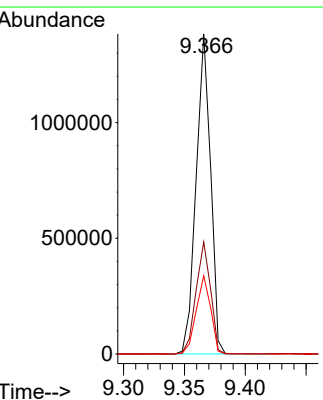
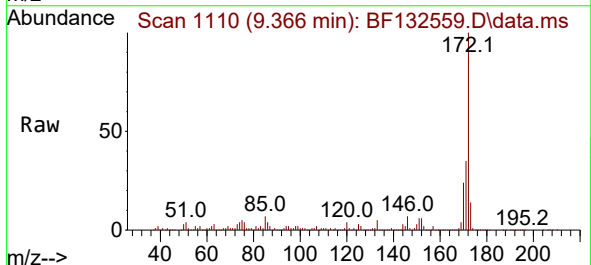
Tgt Ion:172 Resp: 1139267

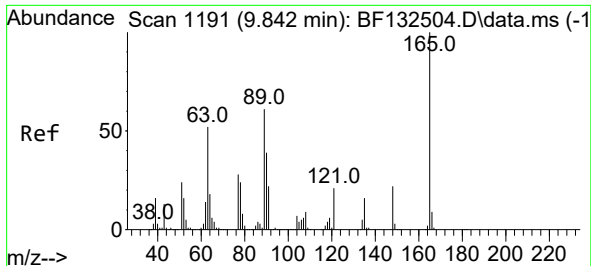
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 24.5 19.7 29.5

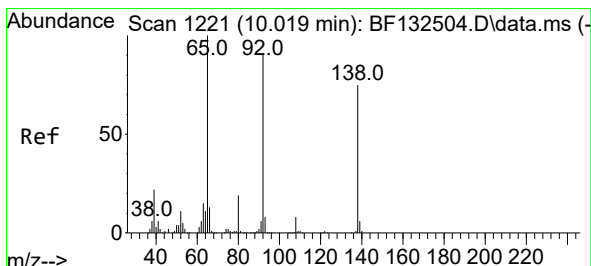
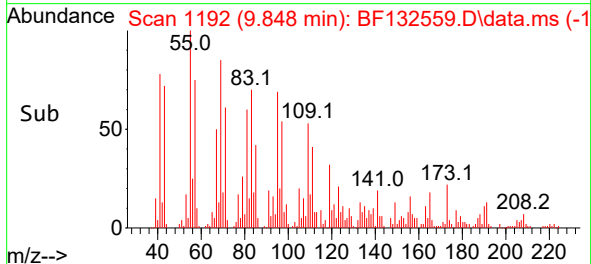
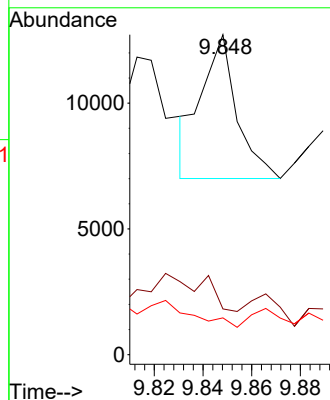
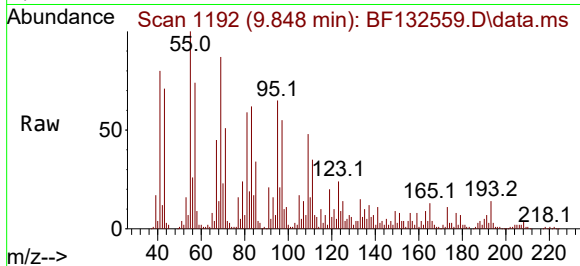




#51
2,6-Dinitrotoluene
Concen: 2.150 ng
RT: 9.848 min Scan# 1191
Delta R.T. 0.012 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

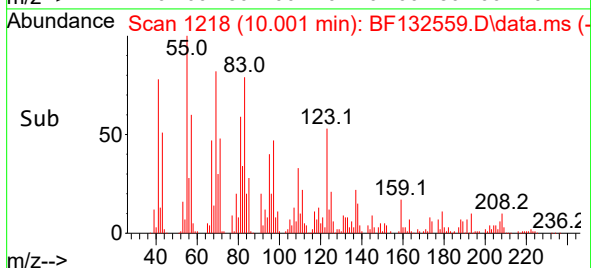
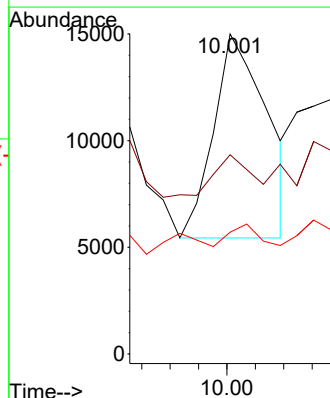
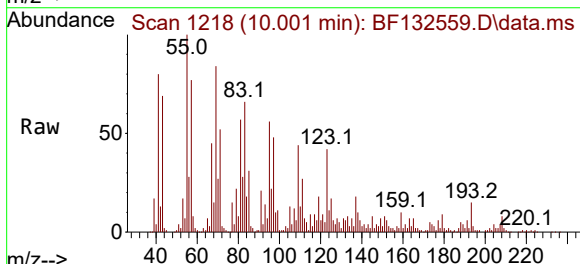
Instrument :
BNA_F
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KU-CON2

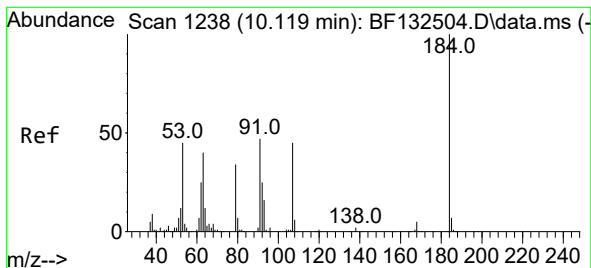
Tgt Ion:165 Resp: 5782
Ion Ratio Lower Upper
165 100
63 14.3 47.3 70.9#
89 11.5 48.9 73.3#



#53
3-Nitroaniline
Concen: 4.115 ng
RT: 10.001 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

Tgt Ion:138 Resp: 12379
Ion Ratio Lower Upper
138 100
108 62.2 8.1 12.1#
92 38.1 97.2 145.8#





#54

2,4-Dinitrophenol

Concen: 2.455 ng

RT: 10.083 min Scan# 11

Delta R.T. -0.029 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

Instrument :

BNA_F

ClientSampleId :

KU-CON2

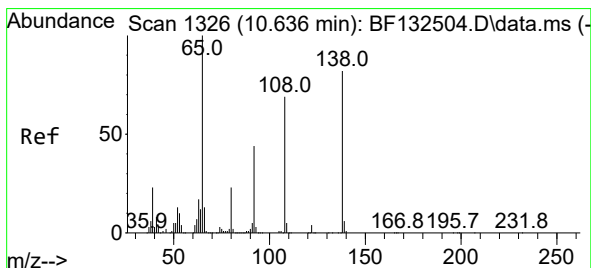
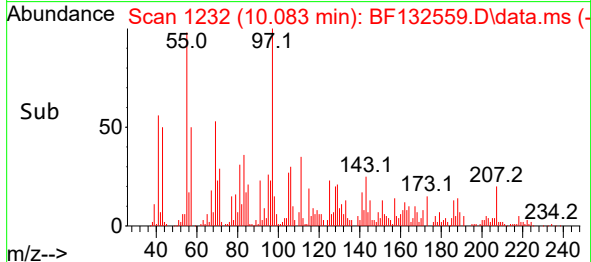
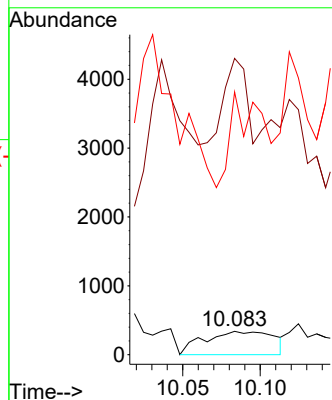
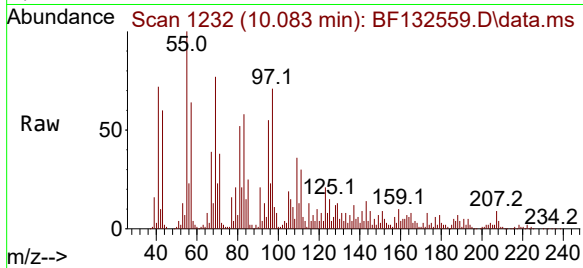
Tgt Ion:184 Resp: 1058

Ion Ratio Lower Upper

184 100

63 1265.9 51.4 77.2#

154 1122.4 48.3 72.5#



#62

4-Nitroaniline

Concen: 7.330 ng

RT: 10.472 min Scan# 1298

Delta R.T. -0.159 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

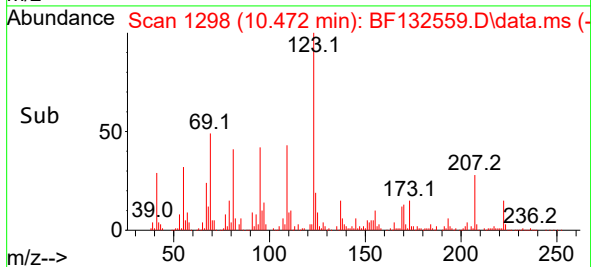
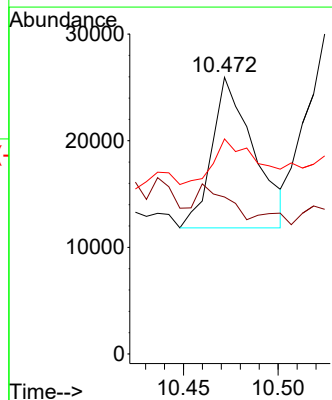
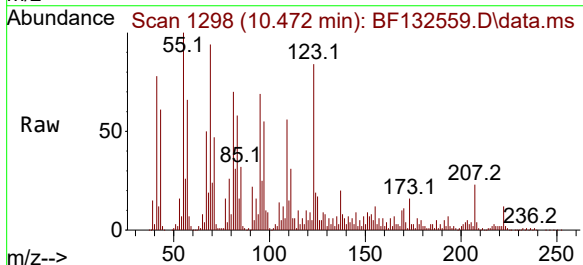
Tgt Ion:138 Resp: 21642

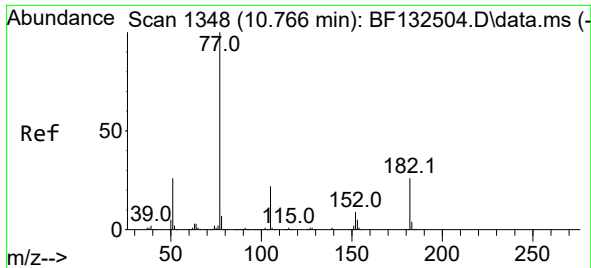
Ion Ratio Lower Upper

138 100

92 56.7 33.8 73.8

108 77.7 63.7 103.7

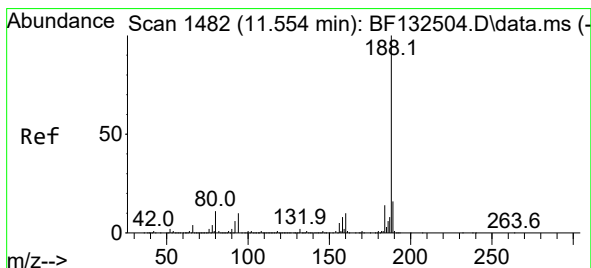
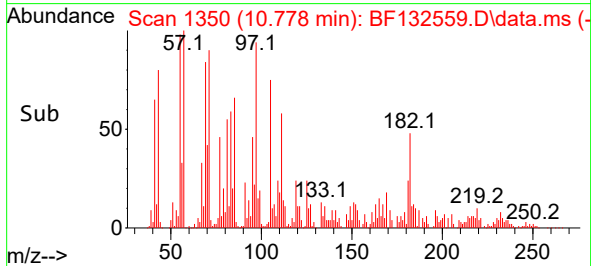
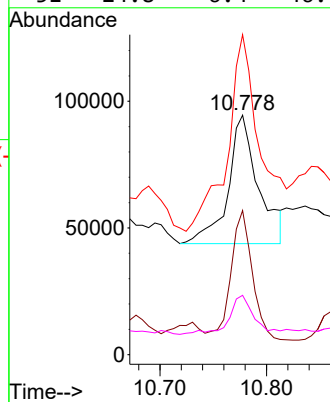
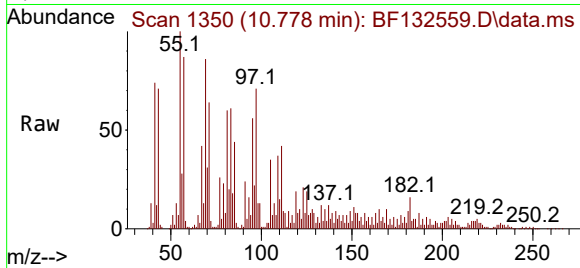




#63
Azobenzene
Concen: 8.190 ng
RT: 10.778 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

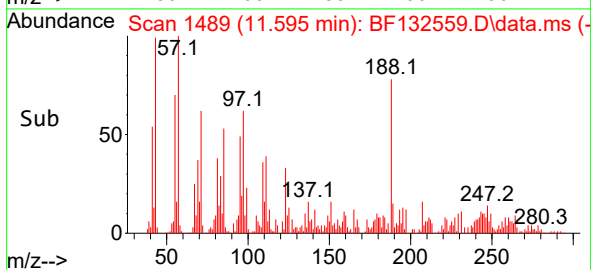
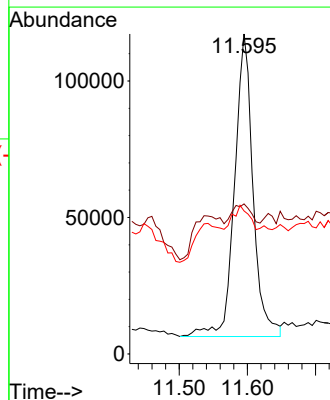
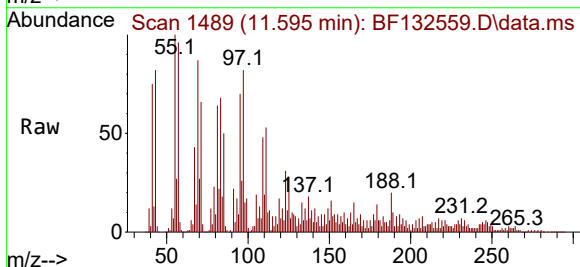
Instrument :
BNA_F
ClientSampleId :
KU-CON2

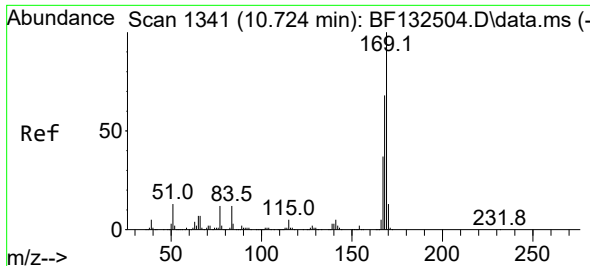
Tgt Ion: 77 Resp: 100017
Ion Ratio Lower Upper
77 100
182 60.2 5.5 45.5#
105 133.6 1.8 41.8#
51 24.8 6.4 46.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.595 min Scan# 1489
Delta R.T. 0.047 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

Tgt Ion: 188 Resp: 209210
Ion Ratio Lower Upper
188 100
94 46.9 8.3 12.5#
80 44.7 8.7 13.1#

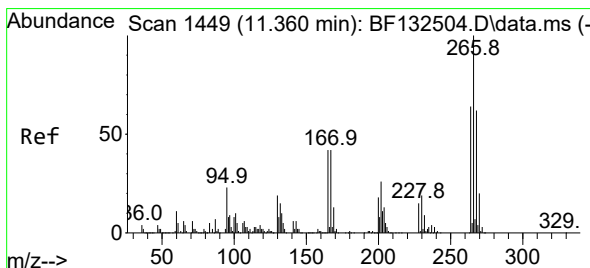
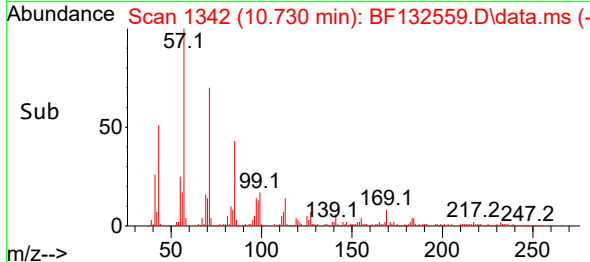
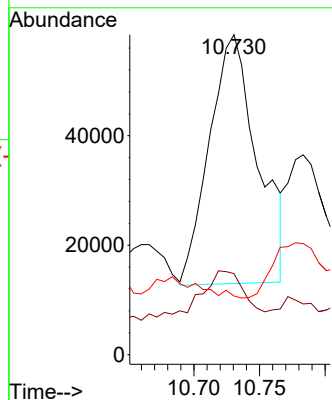
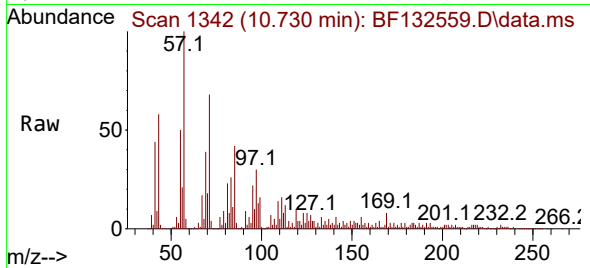




#66
n-Nitrosodiphenylamine
Concen: 17.784 ng
RT: 10.730 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

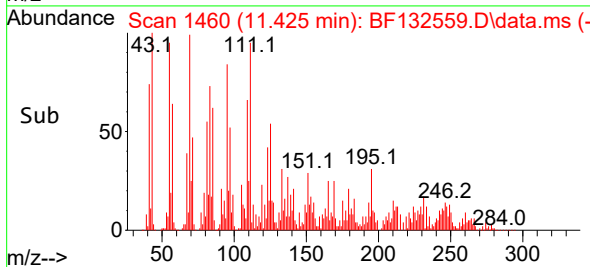
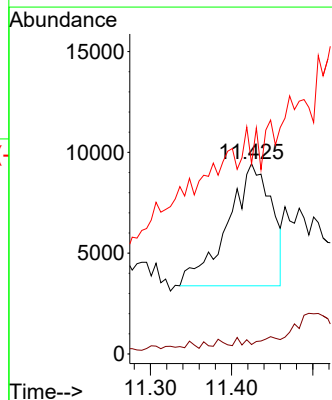
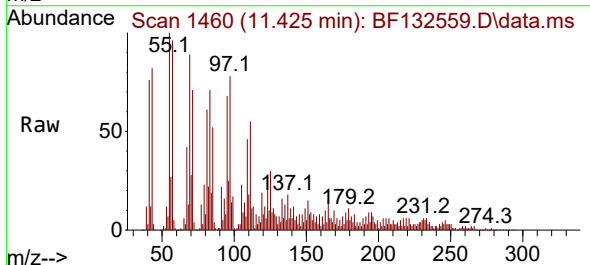
Instrument :
BNA_F
ClientSampleId :
KU-CON2

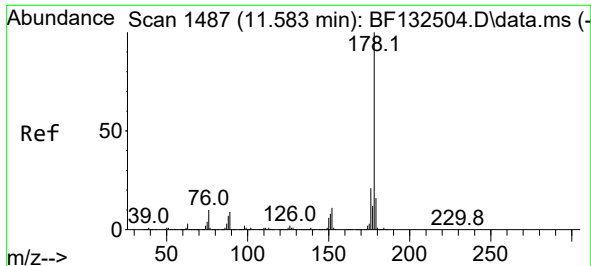
Tgt Ion:169 Resp: 115992
Ion Ratio Lower Upper
169 100
168 25.4 54.2 81.4#
167 18.4 29.6 44.4#



#70
Pentachlorophenol
Concen: 15.503 ng
RT: 11.425 min Scan# 1460
Delta R.T. 0.077 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

Tgt Ion:266 Resp: 22968
Ion Ratio Lower Upper
266 100
268 4.9 49.8 74.6#
264 100.0 50.9 76.3#

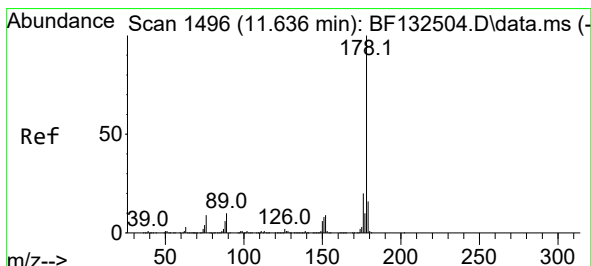
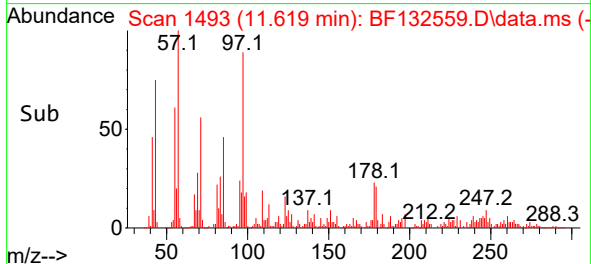
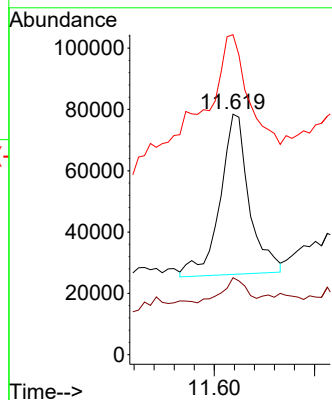
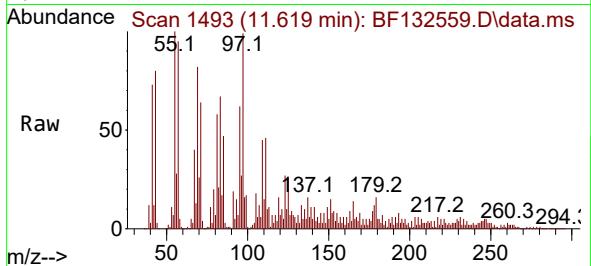




#71
Phenanthrene
Concen: 9.720 ng
RT: 11.619 min Scan# 1487
Delta R.T. 0.041 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

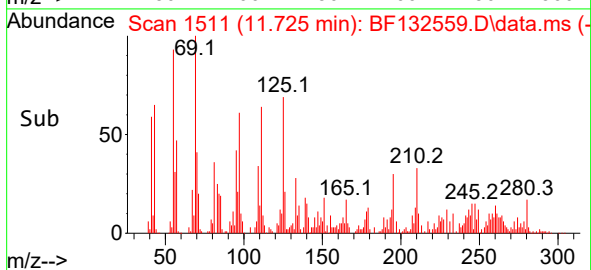
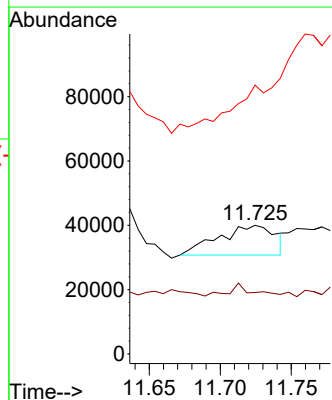
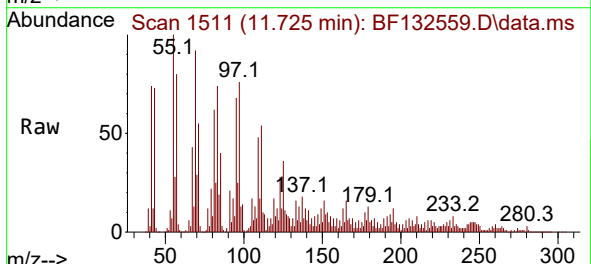
Instrument :
BNA_F
ClientSampleId :
KU-CON2

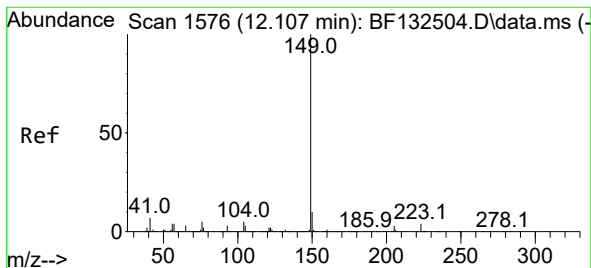
Tgt Ion:178 Resp: 105351
Ion Ratio Lower Upper
178 100
176 32.0 16.5 24.7#
179 133.1 13.0 19.6#



#72
Anthracene
Concen: 2.311 ng
RT: 11.725 min Scan# 1511
Delta R.T. 0.094 min
Lab File: BF132559.D
Acq: 27 Feb 2023 18:42

Tgt Ion:178 Resp: 25797
Ion Ratio Lower Upper
178 100
176 47.8 15.6 23.4#
179 208.9 12.5 18.7#





#74

Di-n-butylphthalate

Concen: 10.232 ng

RT: 12.177 min Scan# 1

Delta R.T. 0.077 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

Instrument :

BNA_F

ClientSampleId :

KU-CON2

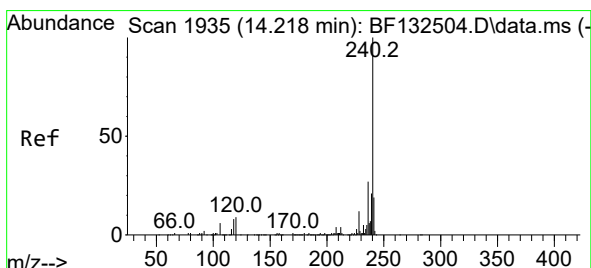
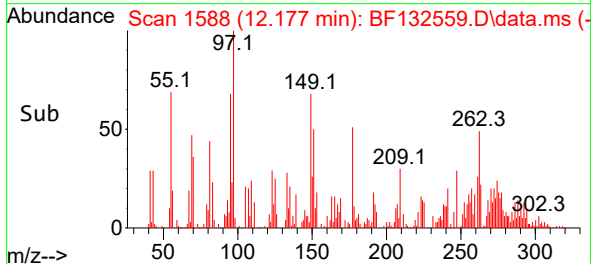
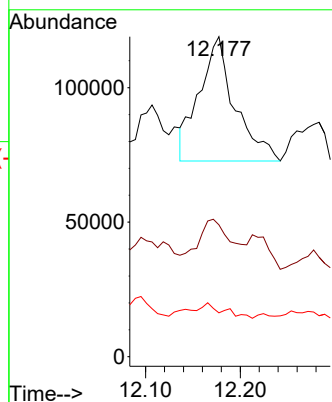
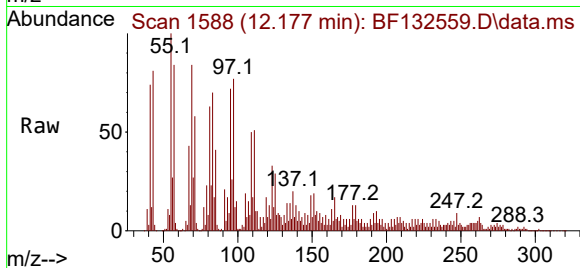
Tgt Ion:149 Resp: 120778

Ion Ratio Lower Upper

149 100

150 41.2 7.8 11.8#

104 13.7 4.3 6.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.266 min Scan# 1943

Delta R.T. 0.059 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

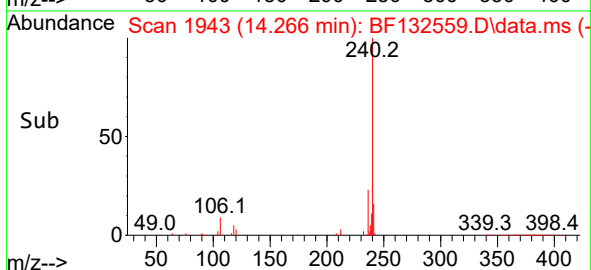
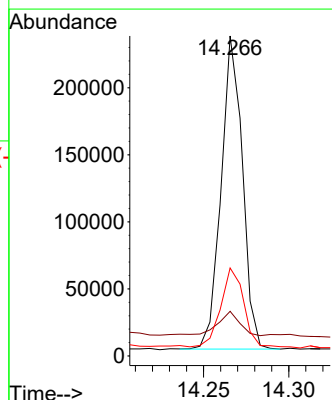
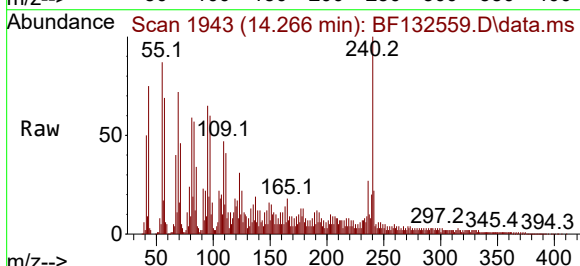
Tgt Ion:240 Resp: 202977

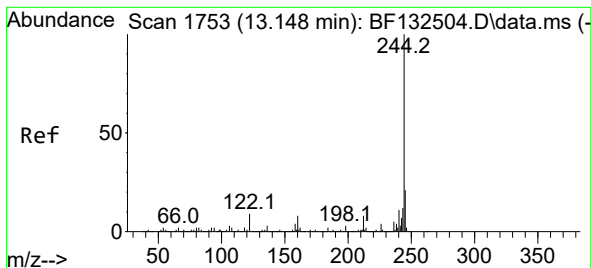
Ion Ratio Lower Upper

240 100

120 13.9 7.2 10.8#

236 27.5 21.8 32.6





#79

Terphenyl-d14

Concen: 94.712 ng

RT: 13.219 min Scan# 1

Delta R.T. 0.077 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

Instrument :

BNA_F

ClientSampleId :

KU-CON2

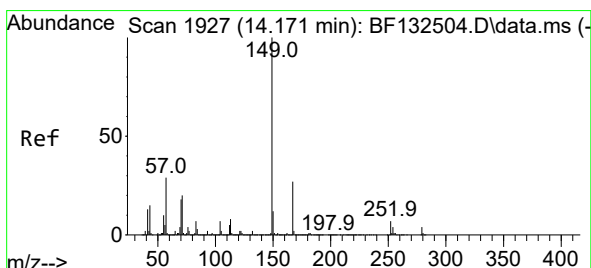
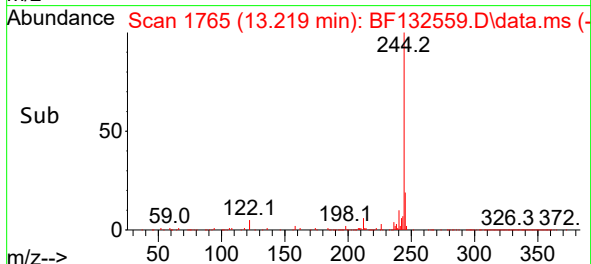
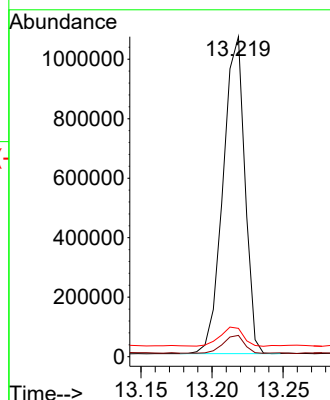
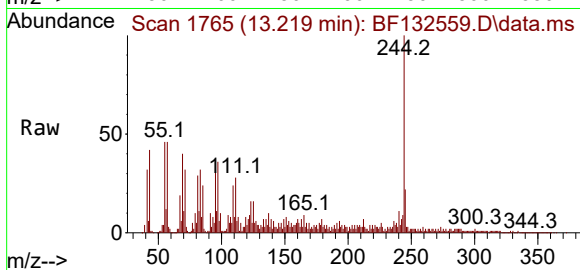
Tgt Ion:244 Resp: 1137039

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

122 8.9 7.5 11.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.551 ng

RT: 14.207 min Scan# 1933

Delta R.T. 0.041 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

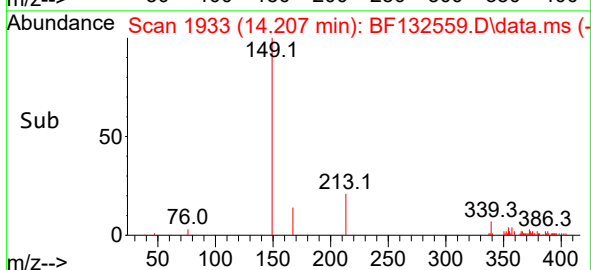
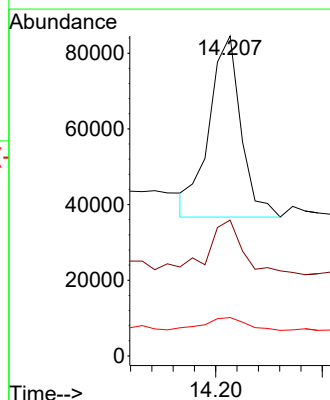
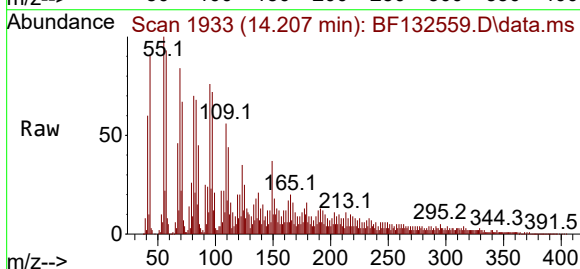
Tgt Ion:149 Resp: 49659

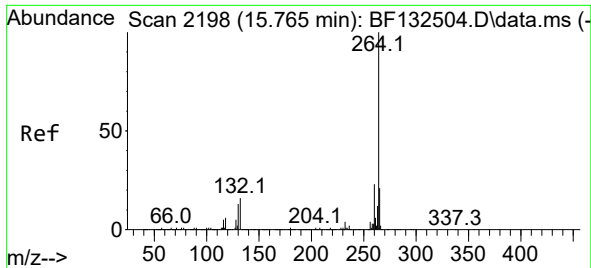
Ion Ratio Lower Upper

149 100

167 42.4 21.8 32.6#

279 12.0 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.789 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF132559.D

Acq: 27 Feb 2023 18:42

Instrument :

BNA_F

ClientSampleId :

KU-CON2

Tgt Ion:264 Resp: 137428

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.5 17.1 25.7

