

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082322\
 Data File : BF129955.D
 Acq On : 23 Aug 2022 15:59
 Operator : CG\JU
 Sample : N4142-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-WEST

Quant Time: Aug 24 01:54:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 04:41:40 2022
 Response via : Initial Calibration

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

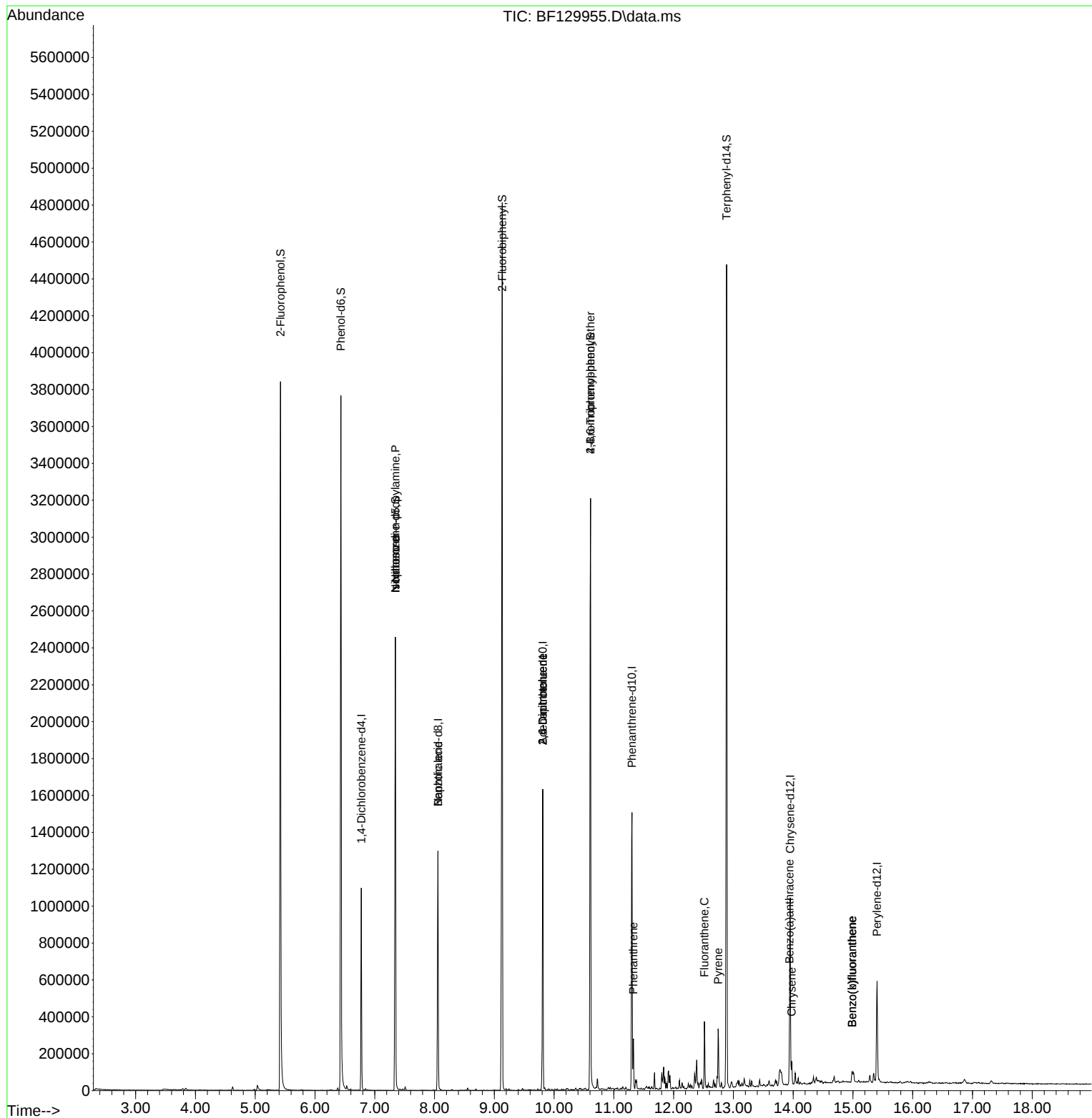
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	146175	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	598575	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	322518	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	543922	20.000	ng	0.00
76) Chrysene-d12	13.951	240	334764	20.000	ng	0.00
86) Perylene-d12	15.404	264	238900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1006353	113.988	ng	0.01
7) Phenol-d6	6.434	99	1294511	117.088	ng	0.00
23) Nitrobenzene-d5	7.345	82	844211	75.500	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	364229	112.522	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1534909	72.282	ng	0.00
79) Terphenyl-d14	12.886	244	1525671	75.833	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	2298	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.345	70	114370	16.366	ng	# 78
25) Isophorone	7.345	82	844205	43.865	ng	# 65
32) Benzoic acid	8.057	122	167	2.210	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	41695	8.314	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	41695	6.404	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	23283	3.655	ng	# 1
71) Phenanthrene	11.327	178	103335	3.402	ng	99
75) Fluoranthene	12.516	202	122516	3.941	ng	98
77) Benzidine	12.886	184	21768	Below Cal	#	90
78) Pyrene	12.745	202	125000	4.297	ng	99
81) Benzo(a)anthracene	13.939	228	53106	2.306	ng	99
83) Chrysene	13.974	228	44668	2.072	ng	96
88) Benzo(b)fluoranthene	14.986	252	41332	2.527	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	41332	2.635	ng	# 95

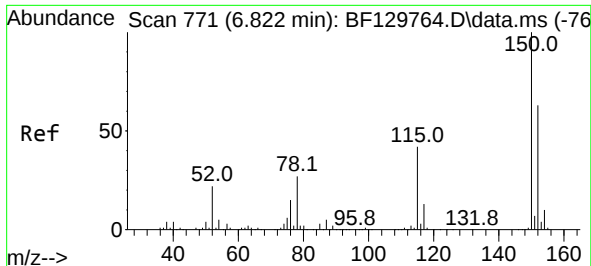
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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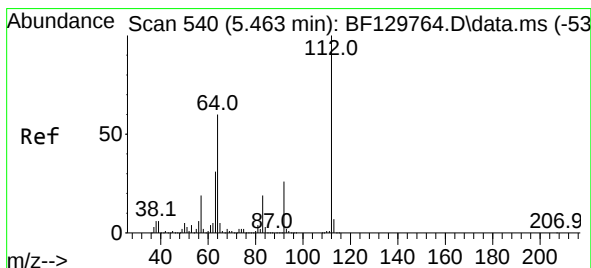
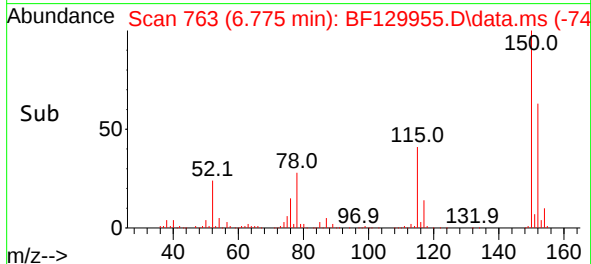
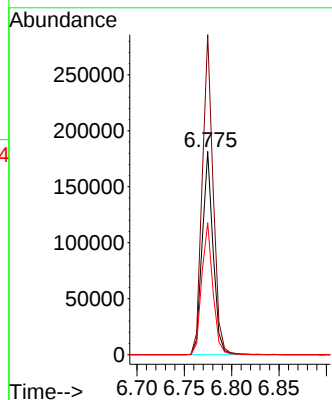
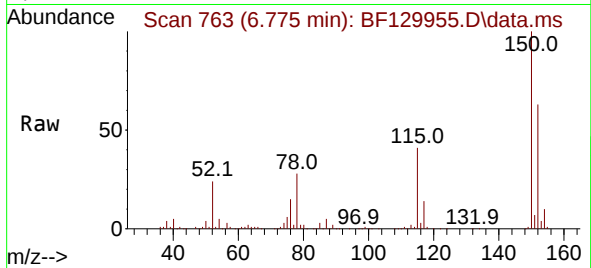




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

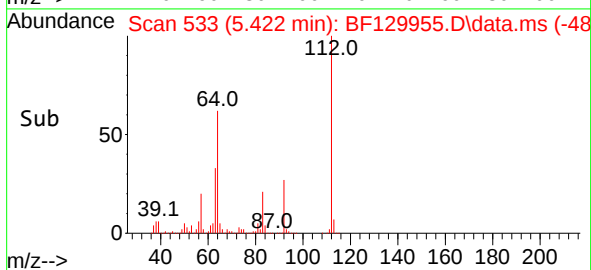
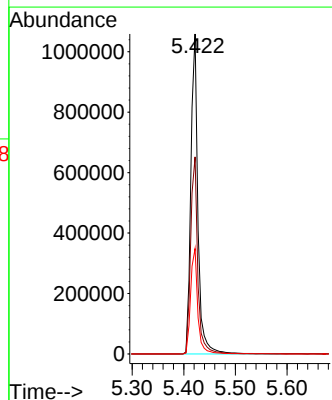
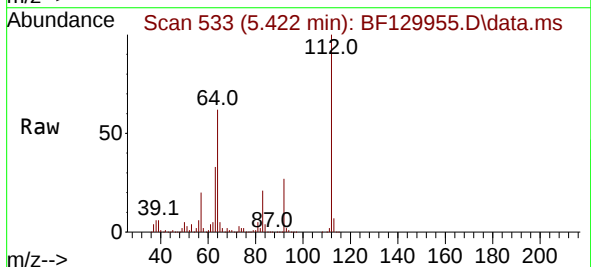
Instrument :
BNA_F
ClientSampleId :
UST-WEST

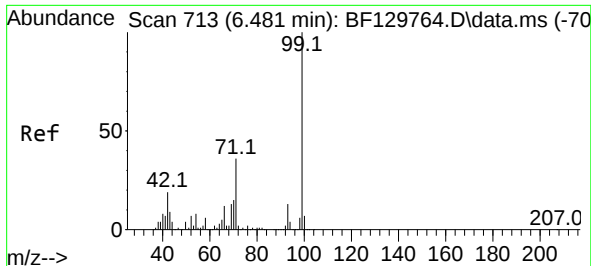
Tgt Ion:152 Resp: 146175
Ion Ratio Lower Upper
152 100
150 157.5 126.9 190.3
115 65.0 53.4 80.0



#5
2-Fluorophenol
Concen: 113.988 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.012 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:112 Resp: 1006353
Ion Ratio Lower Upper
112 100
64 61.6 47.6 71.4
63 32.9 24.6 37.0

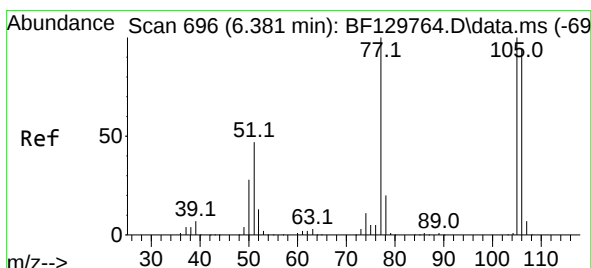
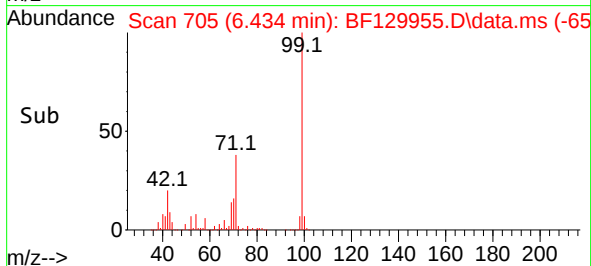
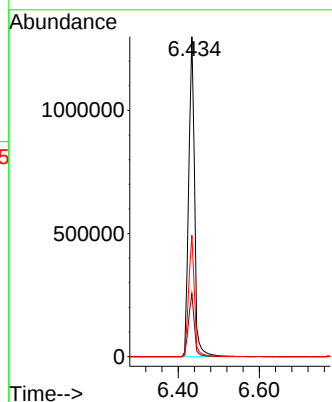
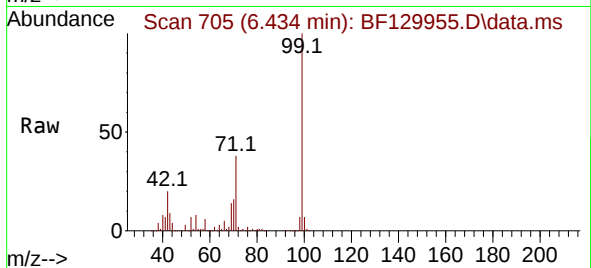




#7
Phenol-d6
Concen: 117.088 ng
RT: 6.434 min Scan# 705
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

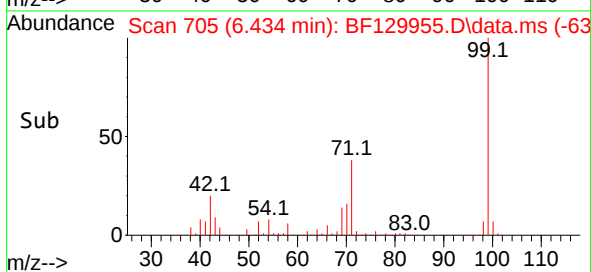
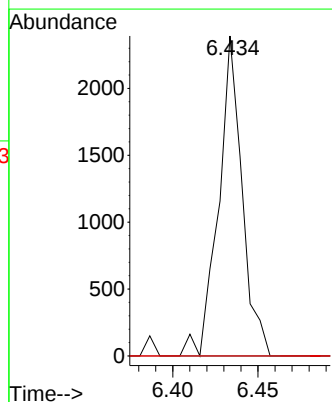
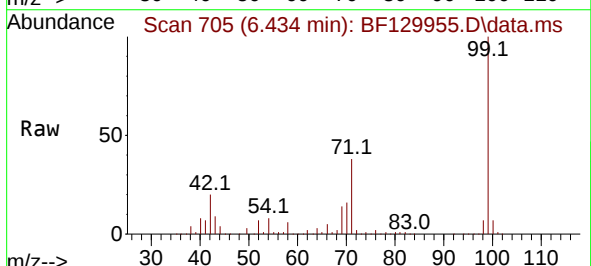
Instrument :
BNA_F
ClientSampleId :
UST-WEST

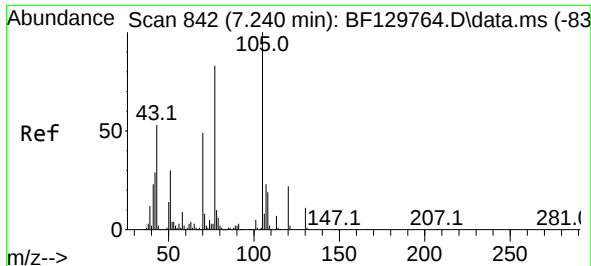
Tgt Ion: 99 Resp: 1294511
Ion Ratio Lower Upper
99 100
42 19.7 15.0 22.4
71 38.0 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.434 min Scan# 705
Delta R.T. 0.100 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion: 77 Resp: 2298
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

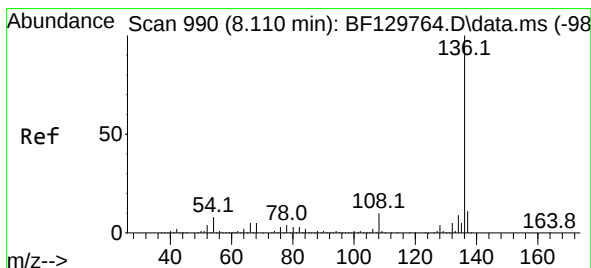
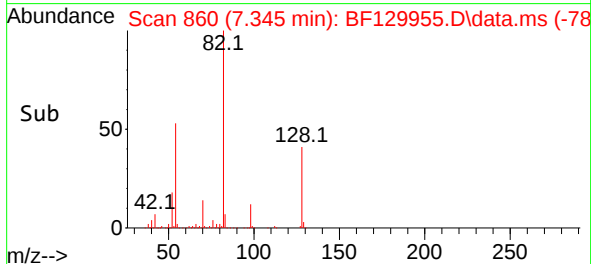
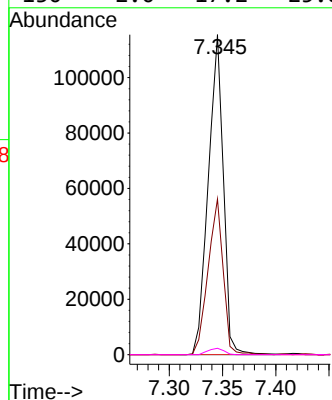
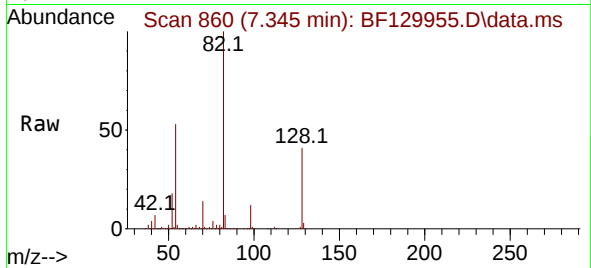




#19
n-Nitroso-di-n-propylamine
Concen: 16.366 ng
RT: 7.345 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

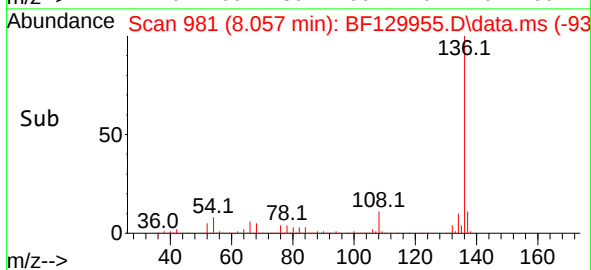
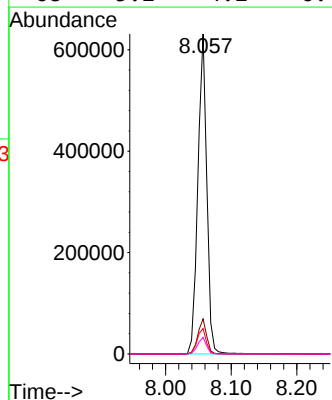
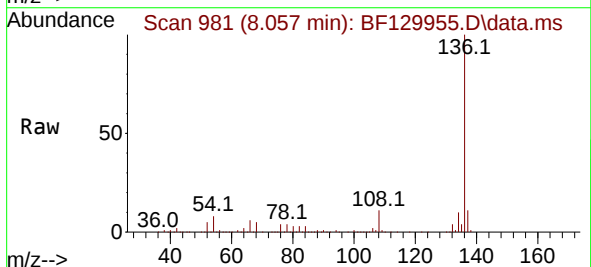
Instrument :
BNA_F
ClientSampleId :
UST-WEST

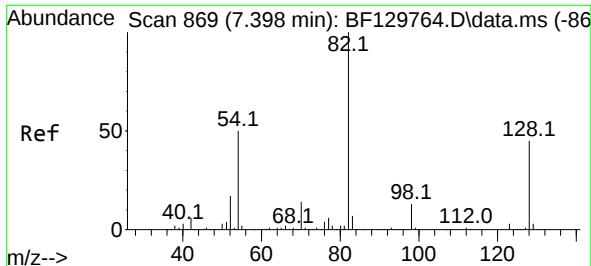
Tgt Ion: 70 Resp: 114370
Ion Ratio Lower Upper
70 100
42 48.7 47.6 71.4
101 0.0 8.1 12.1#
130 2.0 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:136 Resp: 598575
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.0 6.2 9.2
68 5.2 4.2 6.4

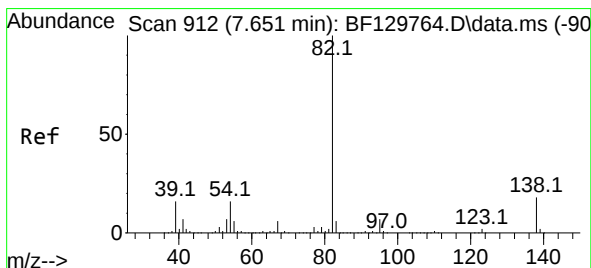
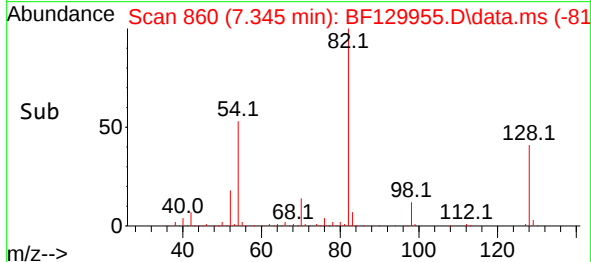
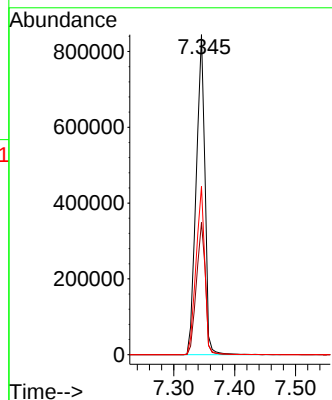
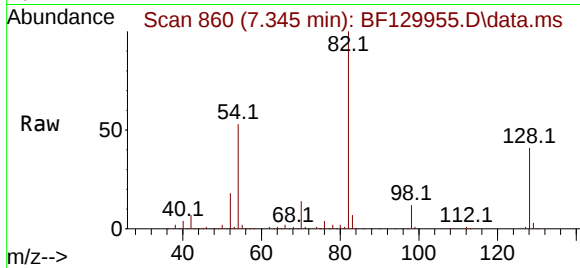




#23
Nitrobenzene-d5
Concen: 75.500 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

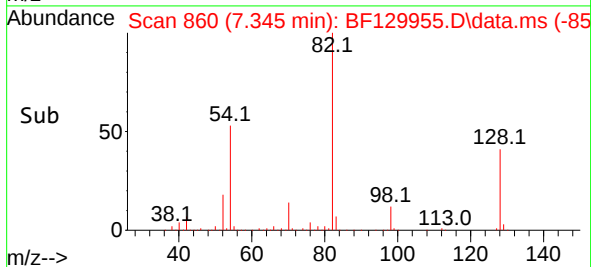
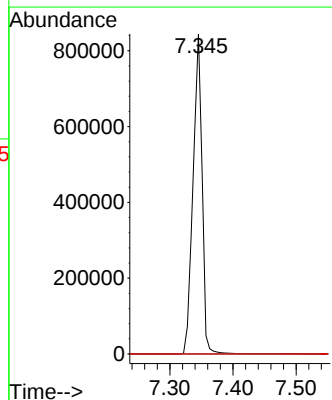
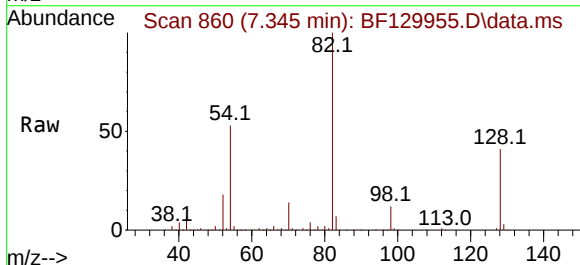
Instrument :
BNA_F
ClientSampleId :
UST-WEST

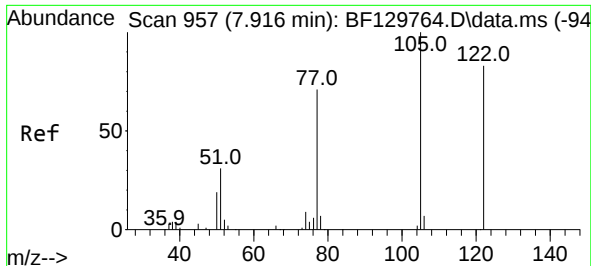
Tgt Ion: 82 Resp: 844211
Ion Ratio Lower Upper
82 100
128 41.3 36.1 54.1
54 52.5 40.0 60.0



#25
Isophorone
Concen: 43.865 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.259 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion: 82 Resp: 844205
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

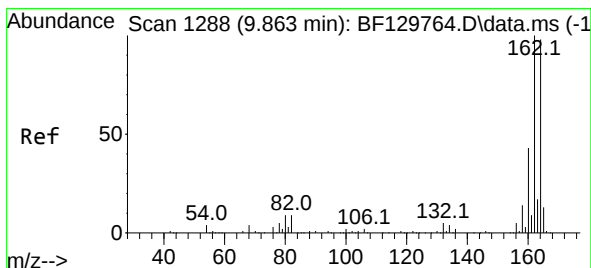
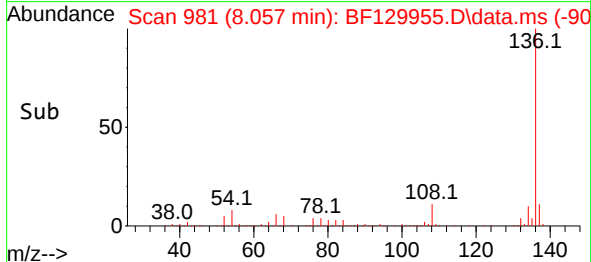
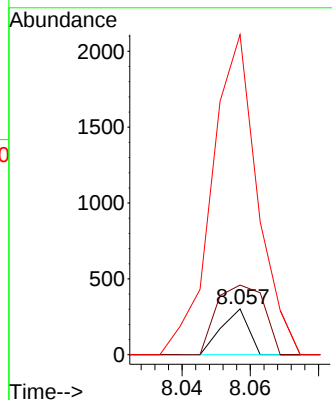
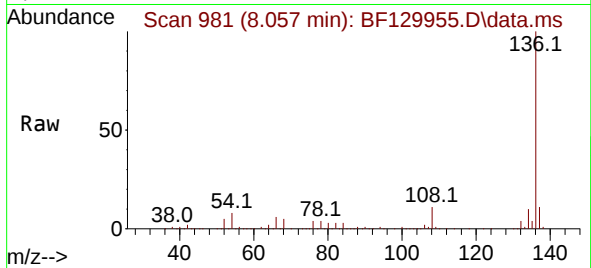




#32
Benzoic acid
Concen: 2.210 ng
RT: 8.057 min Scan# 91
Delta R.T. 0.176 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

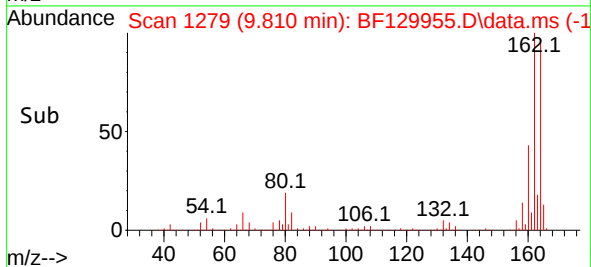
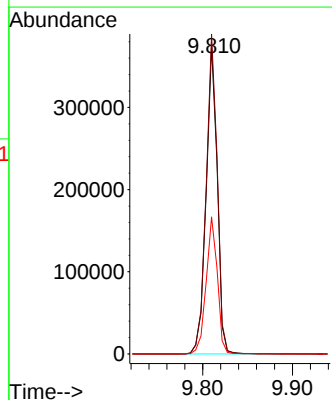
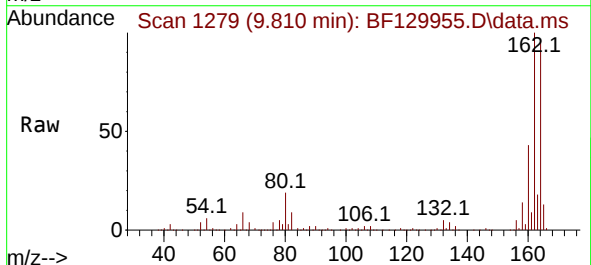
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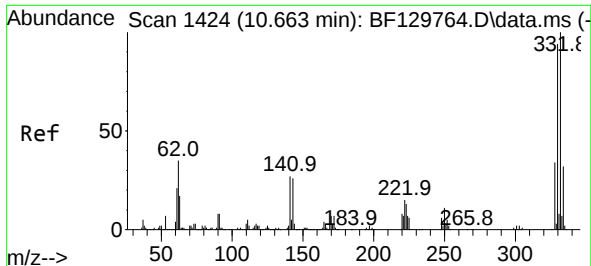
Tgt Ion:122 Resp: 167
Ion Ratio Lower Upper
122 100
105 152.0 99.9 139.9#
77 698.7 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:164 Resp: 322518
Ion Ratio Lower Upper
164 100
162 104.0 82.0 123.0
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 112.522 ng

RT: 10.610 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF129955.D

Acq: 23 Aug 2022 15:59

Instrument :

BNA_F

ClientSampleId :

UST-WEST

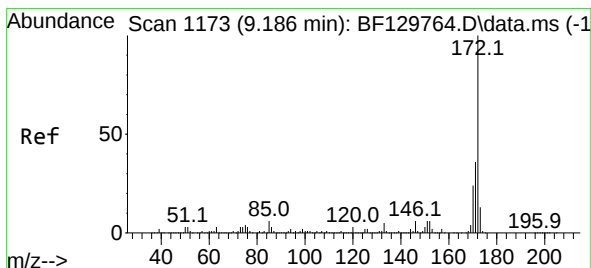
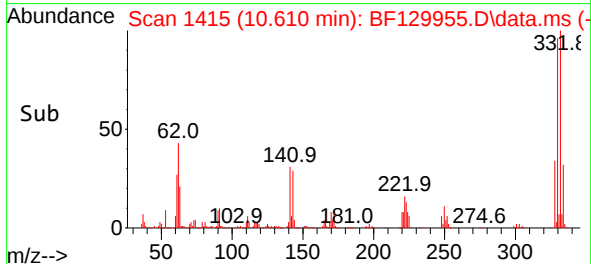
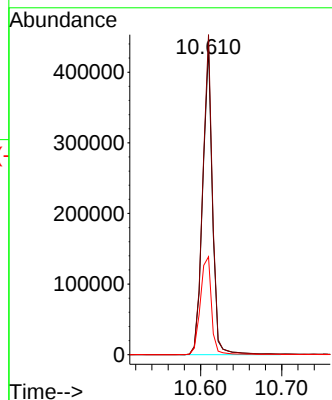
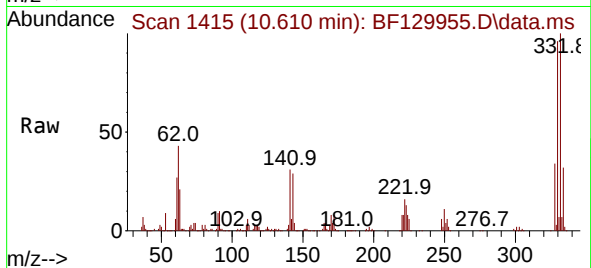
Tgt Ion:330 Resp: 364229

Ion Ratio Lower Upper

330 100

332 104.0 82.6 124.0

141 36.7 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 72.282 ng

RT: 9.133 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF129955.D

Acq: 23 Aug 2022 15:59

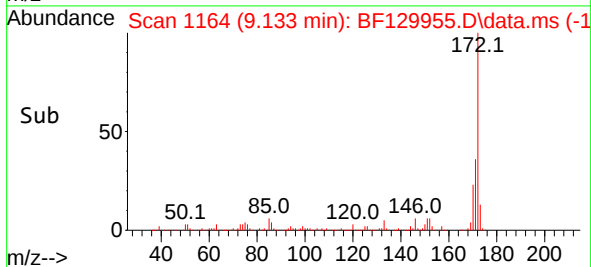
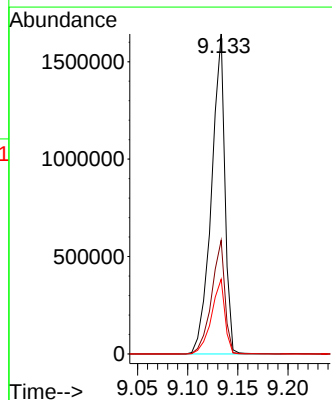
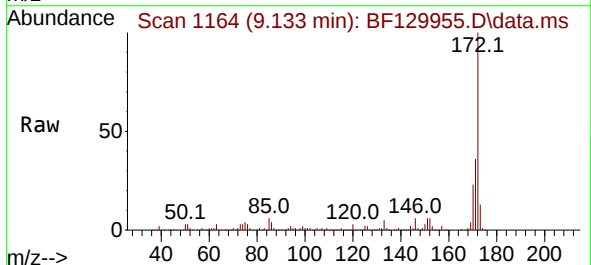
Tgt Ion:172 Resp: 1534909

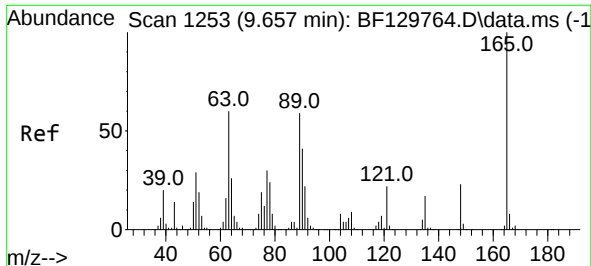
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.314 ng

RT: 9.810 min Scan# 1279

Delta R.T. 0.194 min

Lab File: BF129955.D

Acq: 23 Aug 2022 15:59

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BNA_F

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UST-WEST

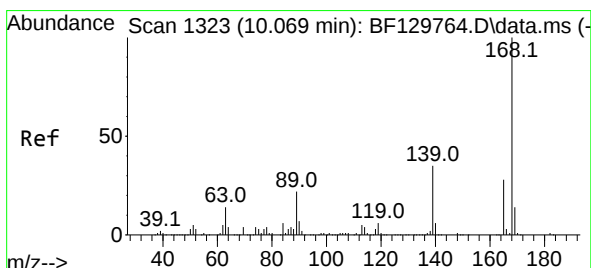
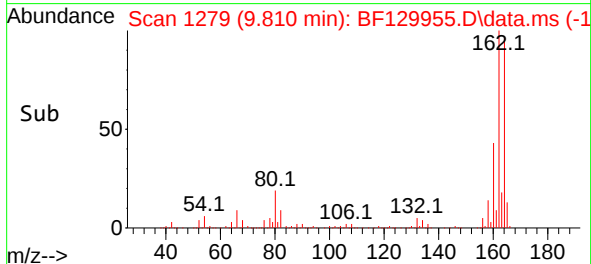
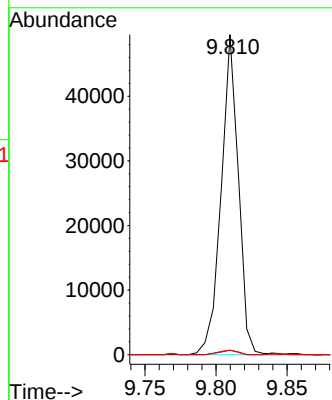
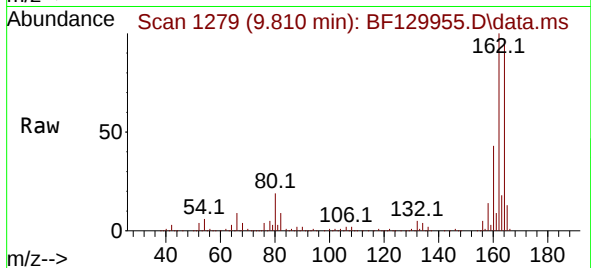
Tgt Ion:165 Resp: 41695

Ion Ratio Lower Upper

165 100

63 1.4 47.8 71.8#

89 1.4 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.404 ng

RT: 9.810 min Scan# 1279

Delta R.T. -0.212 min

Lab File: BF129955.D

Acq: 23 Aug 2022 15:59

Tgt Ion:165 Resp: 41695

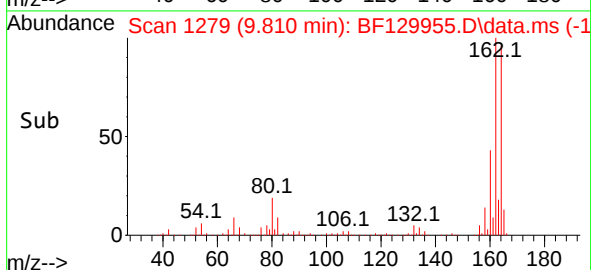
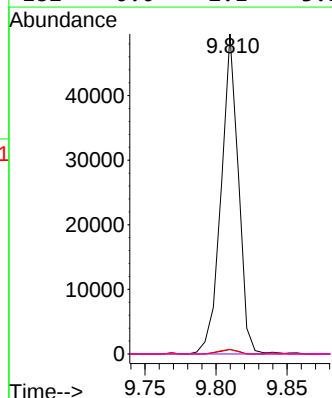
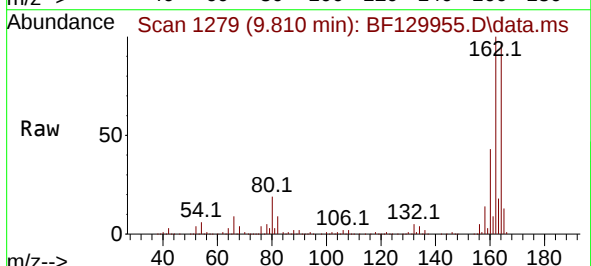
Ion Ratio Lower Upper

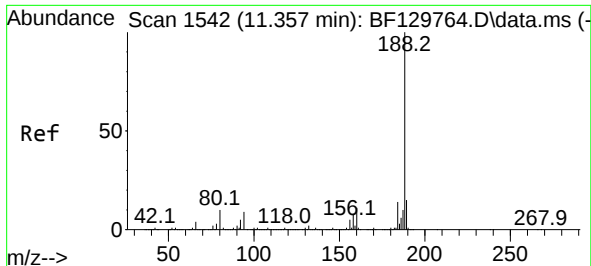
165 100

63 1.4 48.4 72.6#

89 1.4 62.3 93.5#

182 0.0 2.1 3.1#

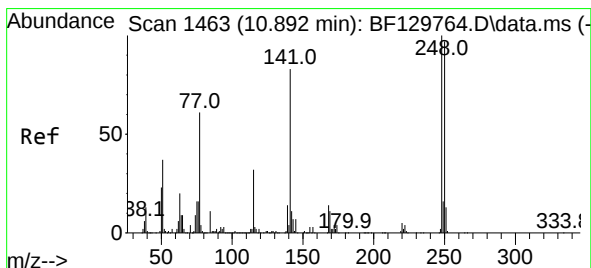
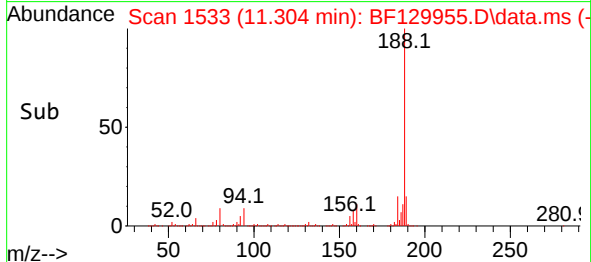
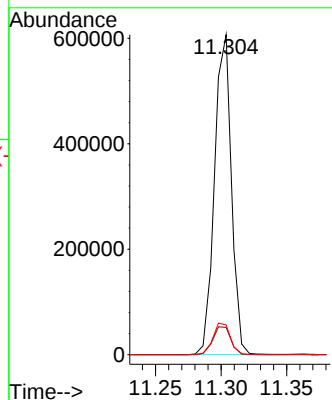
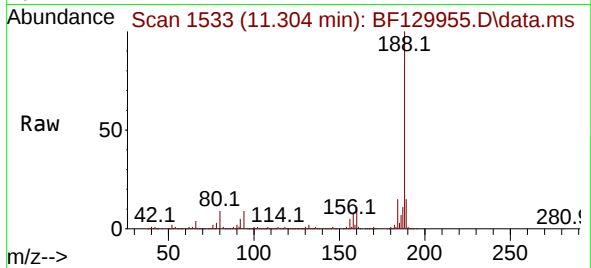




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

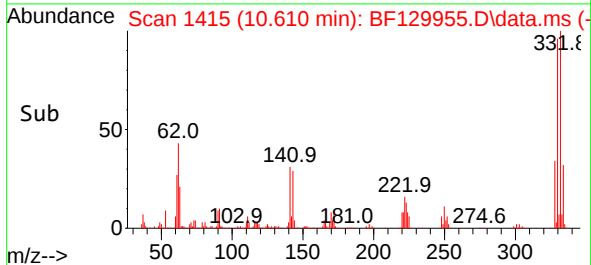
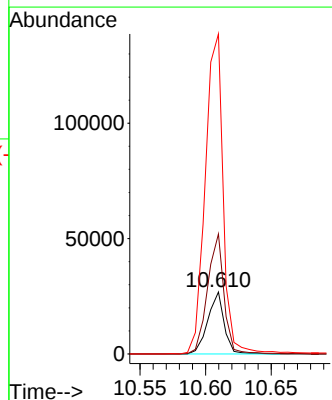
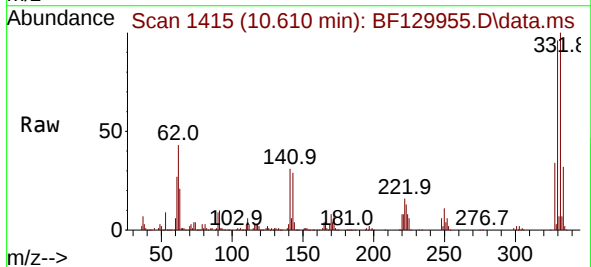
Instrument :
BNA_F
ClientSampleId :
UST-WEST

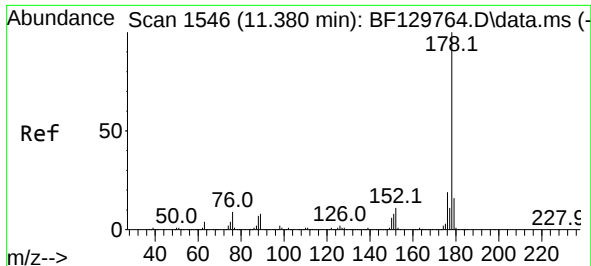
Tgt Ion:188 Resp: 543922
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.655 ng
RT: 10.610 min Scan# 1415
Delta R.T. -0.235 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:248 Resp: 23283
Ion Ratio Lower Upper
248 100
250 193.9 77.8 116.6#
141 517.0 66.2 99.2#

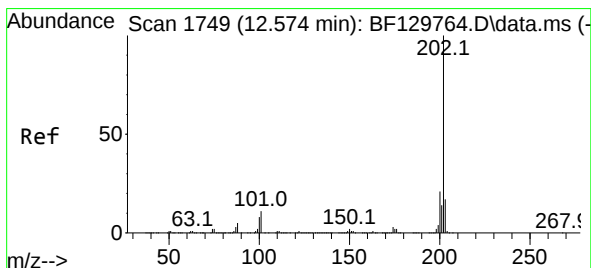
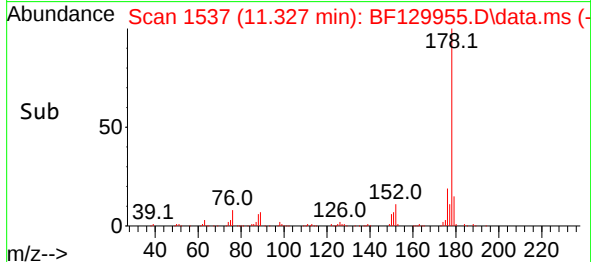
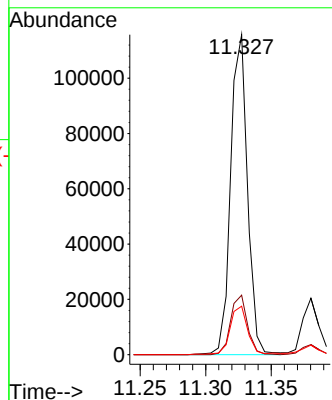
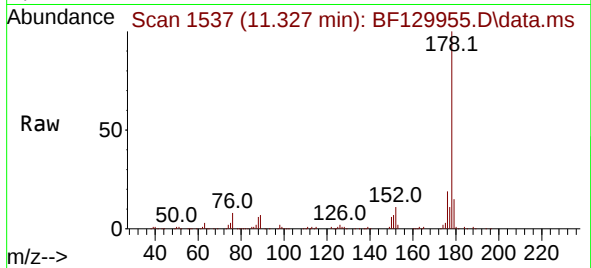




#71
Phenanthrene
Concen: 3.402 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

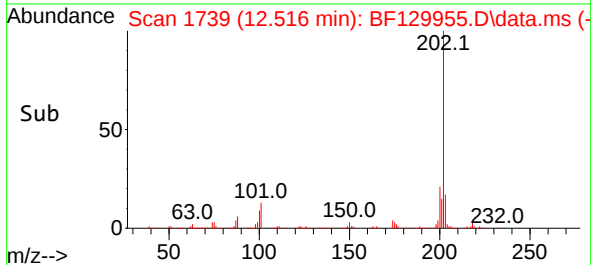
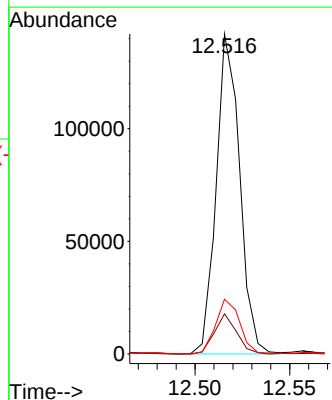
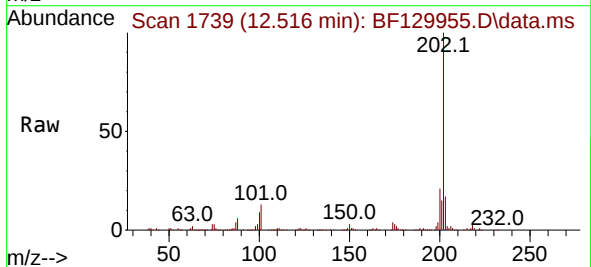
Instrument :
BNA_F
ClientSampleId :
UST-WEST

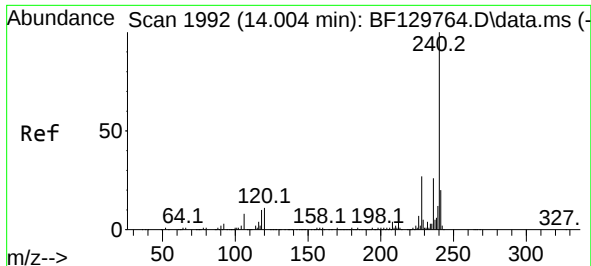
Tgt Ion:178 Resp: 103335
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.2 12.5 18.7



#75
Fluoranthene
Concen: 3.941 ng
RT: 12.516 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:202 Resp: 122516
Ion Ratio Lower Upper
202 100
101 12.6 0.0 30.7
203 17.1 0.0 37.5

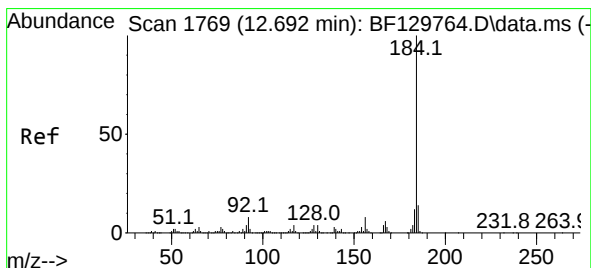
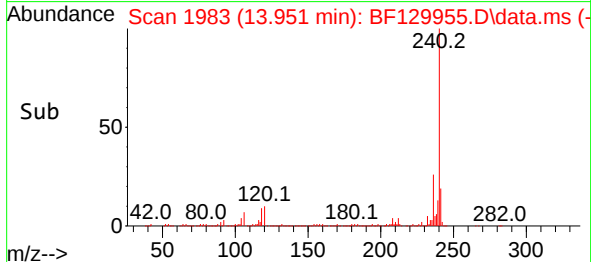
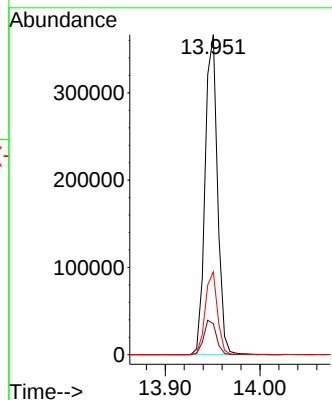
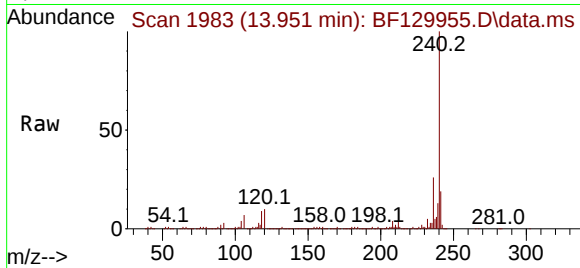




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

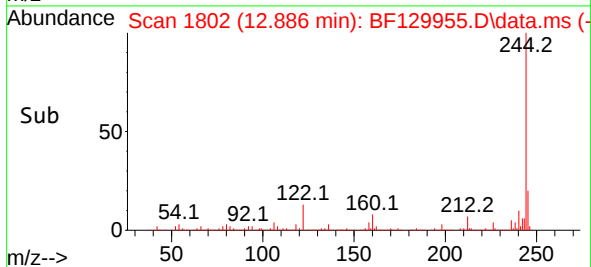
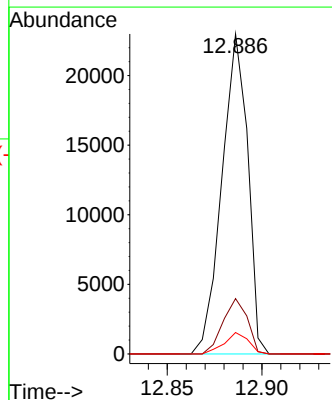
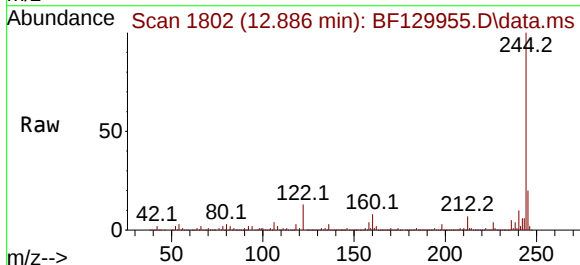
Instrument :
BNA_F
ClientSampleId :
UST-WEST

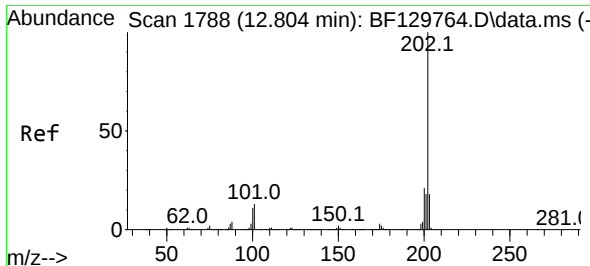
Tgt Ion:240 Resp: 334764
Ion Ratio Lower Upper
240 100
120 9.7 9.2 13.8
236 25.9 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.886 min Scan# 1802
Delta R.T. 0.241 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:184 Resp: 21768
Ion Ratio Lower Upper
184 100
185 17.3 11.4 17.2#
183 6.7 9.4 14.2#

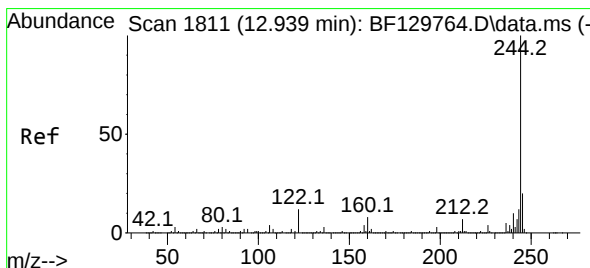
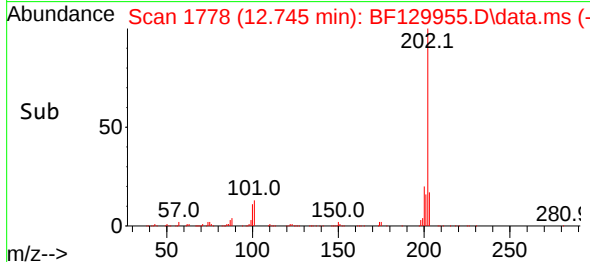
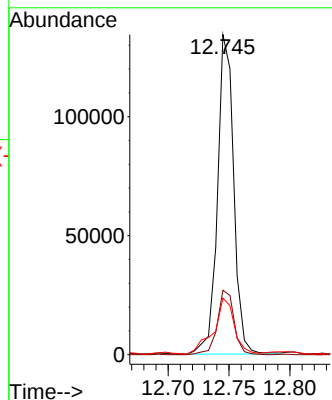
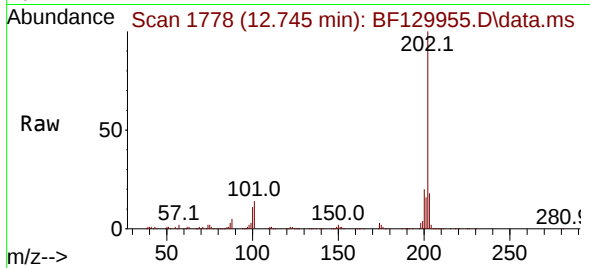




#78
Pyrene
Concen: 4.297 ng
RT: 12.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

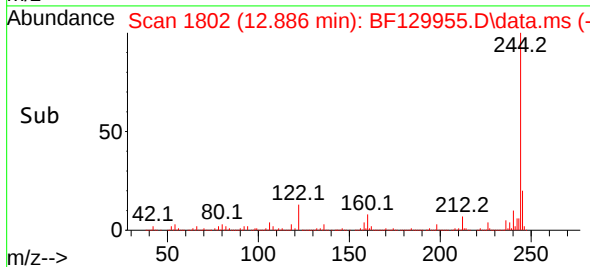
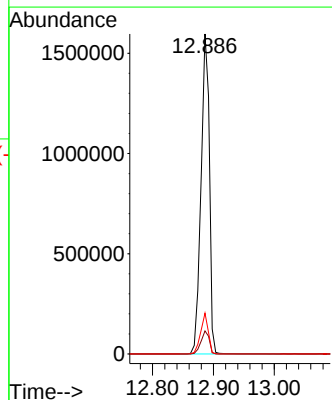
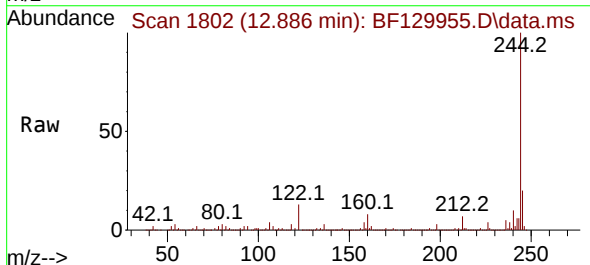
Instrument :
BNA_F
ClientSampleId :
UST-WEST

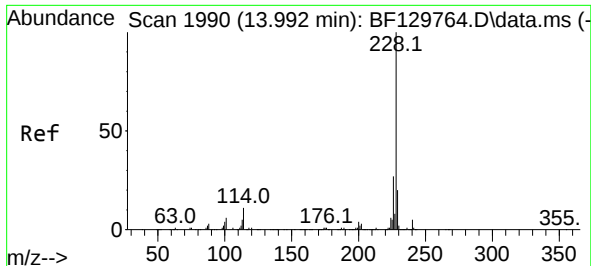
Tgt Ion:202 Resp: 125000
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.6
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 75.833 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:244 Resp: 1525671
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.8 9.9 14.9

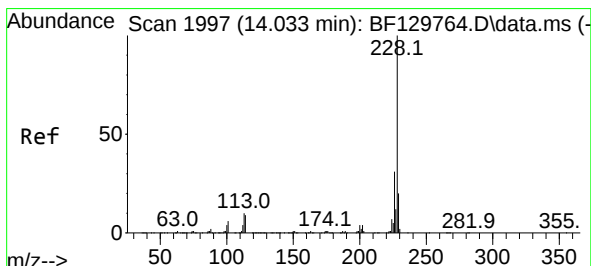
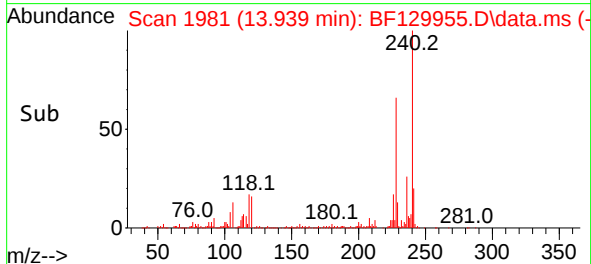
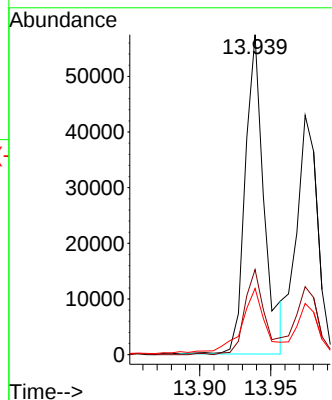
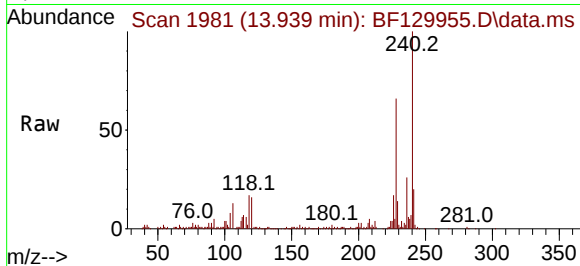




#81
Benzo(a)anthracene
Concen: 2.306 ng
RT: 13.939 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

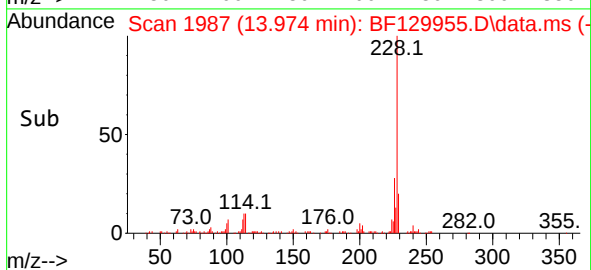
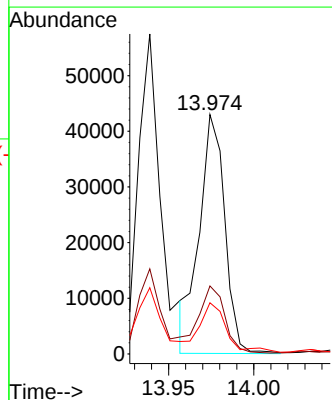
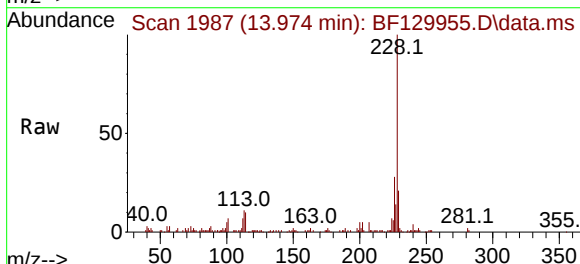
Instrument :
BNA_F
ClientSampleId :
UST-WEST

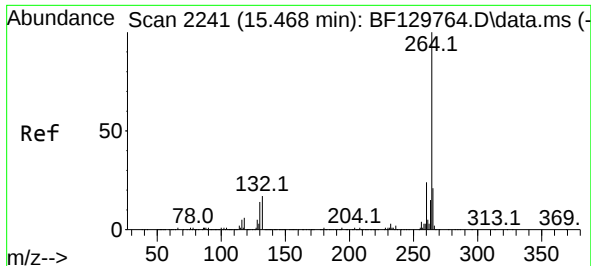
Tgt Ion:228 Resp: 53106
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.0
229 20.7 16.1 24.1



#83
Chrysene
Concen: 2.072 ng
RT: 13.974 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:228 Resp: 44668
Ion Ratio Lower Upper
228 100
226 28.4 24.4 36.6
229 21.4 15.9 23.9

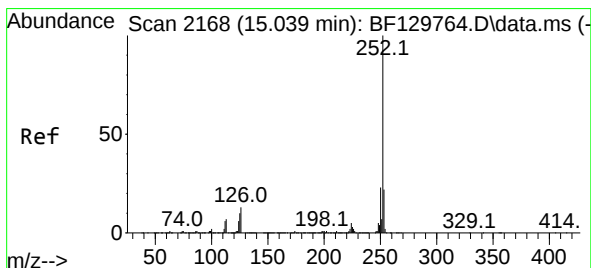
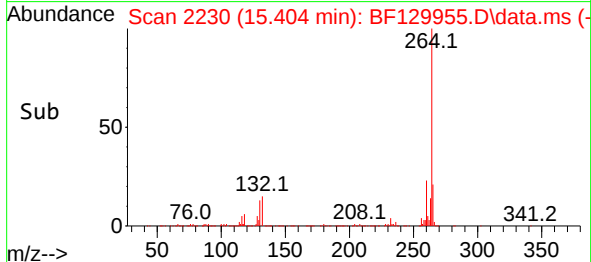
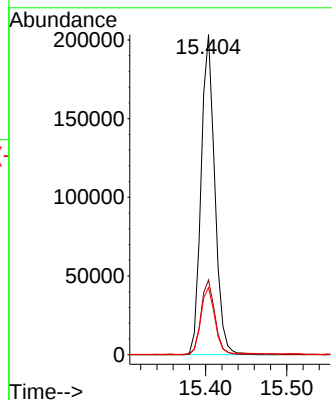
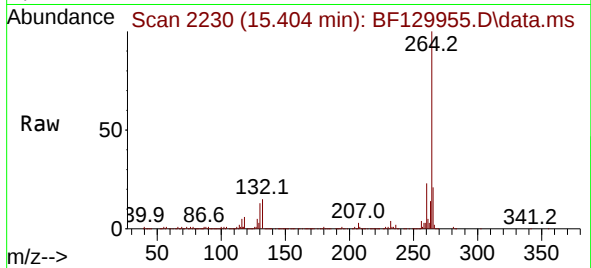




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2159
Delta R.T. 0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

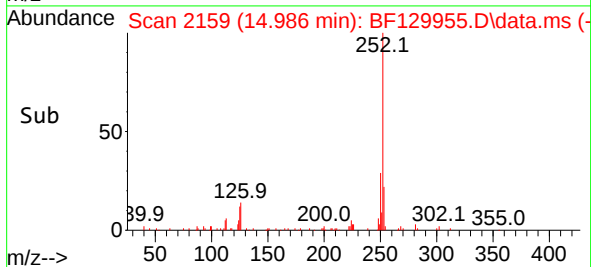
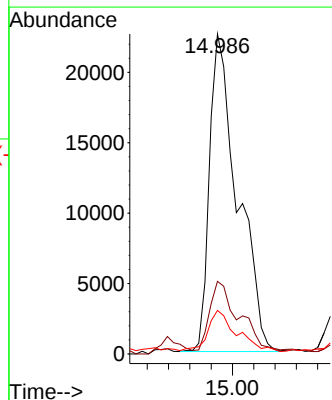
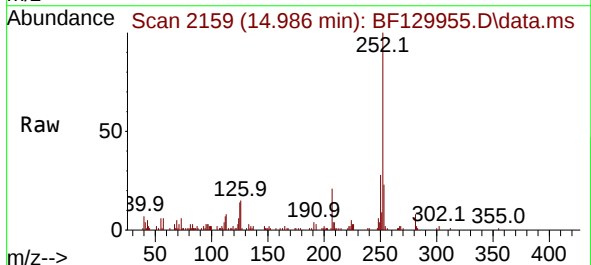
Instrument :
BNA_F
ClientSampleId :
UST-WEST

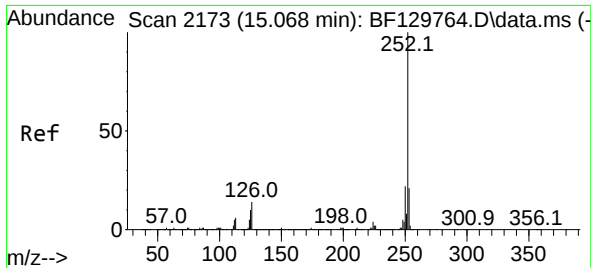
Tgt Ion:264 Resp: 238900
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 21.0 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 2.527 ng
RT: 14.986 min Scan# 2159
Delta R.T. 0.006 min
Lab File: BF129955.D
Acq: 23 Aug 2022 15:59

Tgt Ion:252 Resp: 41332
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 13.6 8.3 12.5#





#89

Benzo(k)fluoranthene

Concen: 2.635 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF129955.D

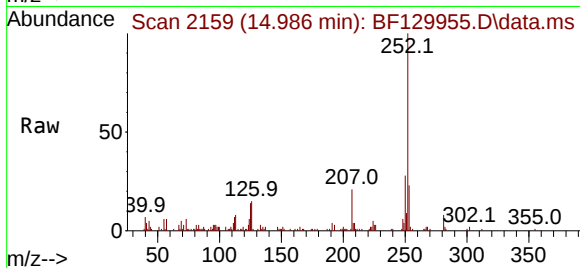
Acq: 23 Aug 2022 15:59

Instrument :

BNA_F

ClientSampleId :

UST-WEST



Tgt Ion:252 Resp: 41332

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 13.6 8.3 12.5#

