

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
 Data File : BF126171.D
 Acq On : 13 Nov 2021 16:26
 Operator : JU/CG
 Sample : PB140745TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB140745TB

Quant Time: Nov 15 09:58:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 08:09:33 2021
 Response via : Initial Calibration

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

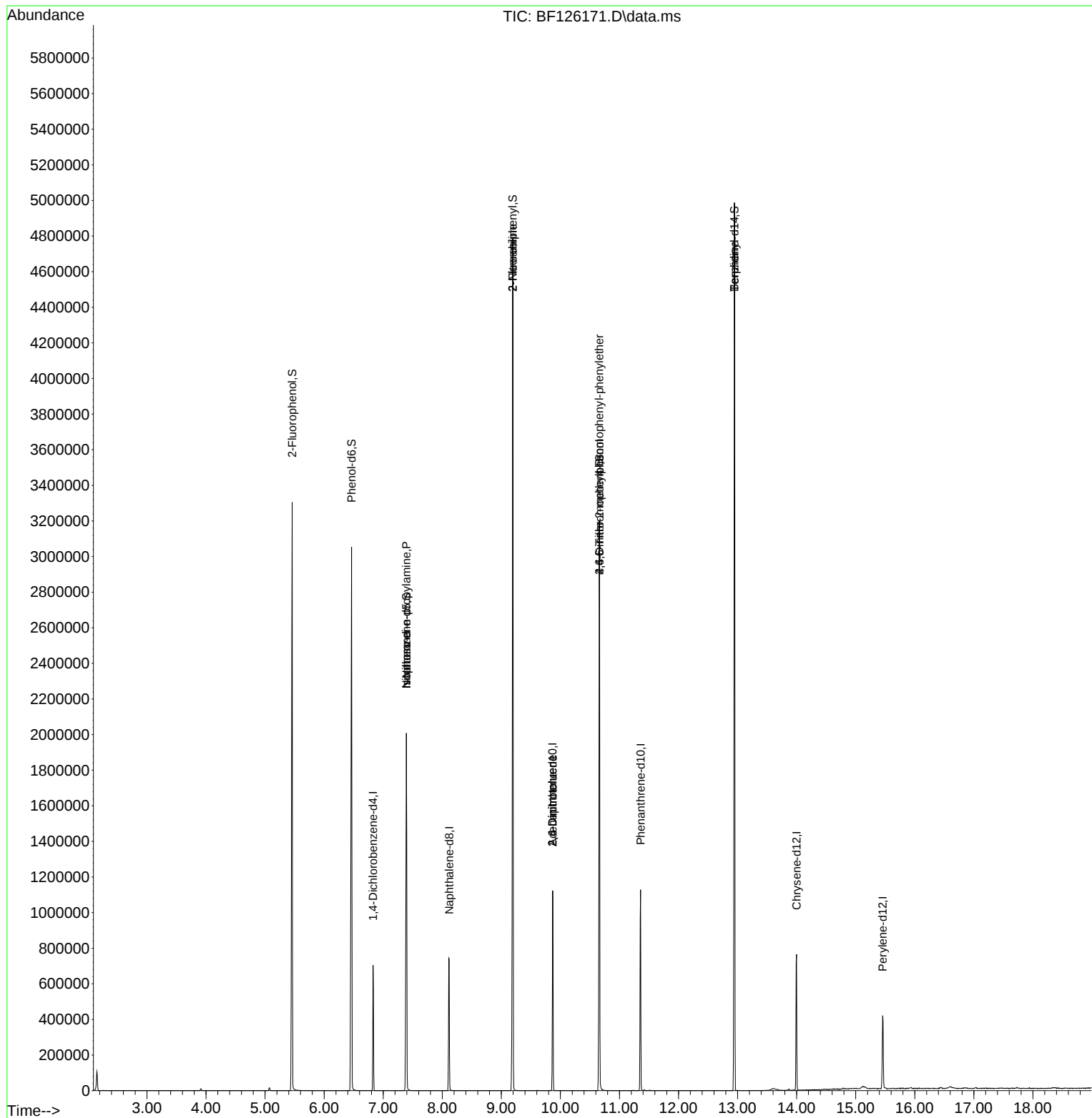
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	91512	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	339955	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	208332	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	405173	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	270683	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	198741	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	740985	139.050	ng	0.01
7) Phenol-d6	6.463	99	934926	124.458	ng	0.00
23) Nitrobenzene-d5	7.392	82	681336	94.518	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	374813	156.990	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1391313	90.249	ng	0.00
79) Terphenyl-d14	12.945	244	1761867	104.960	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.463	77	2220	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	100233	20.240	ng	# 60
25) Isophorone	7.392	82	681096	52.479	ng	# 59
48) 2-Nitroaniline	9.192	65	2471	3.410	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	25010	9.620	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	25010	9.403	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.663	198	904	8.700	ng	# 51
67) 4-Bromophenyl-phenylether	10.657	248	23824	4.855	ng	# 1
77) Benzidine	12.945	184	26130	2.888	ng	# 90

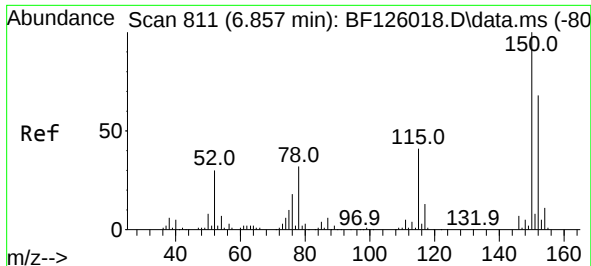
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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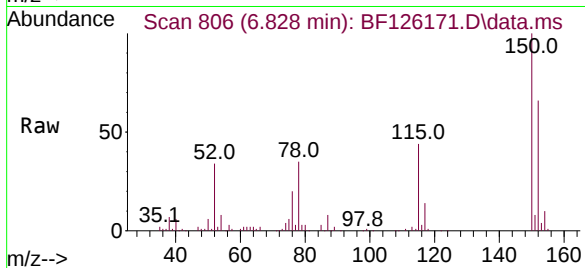
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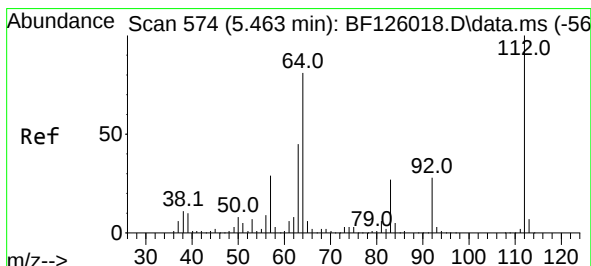
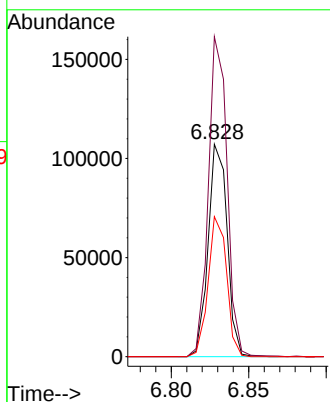
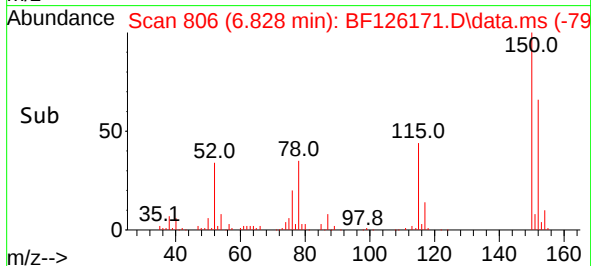


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

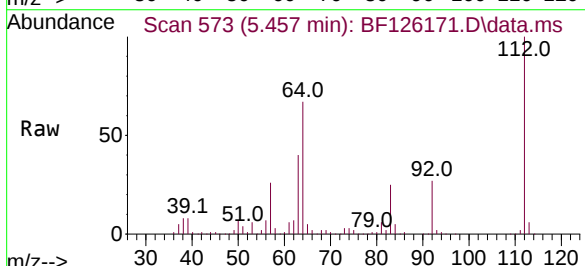
Instrument :
BNA_F
ClientSampleId :
PB140745TB



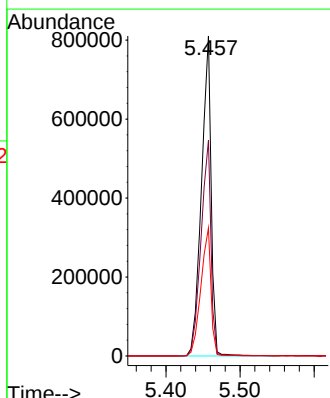
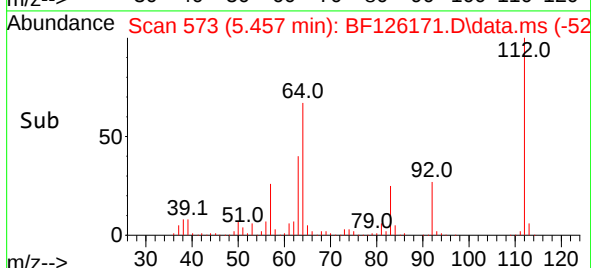
Tgt Ion:152 Resp: 91512
Ion Ratio Lower Upper
152 100
150 150.6 117.6 176.4
115 65.9 47.1 70.7

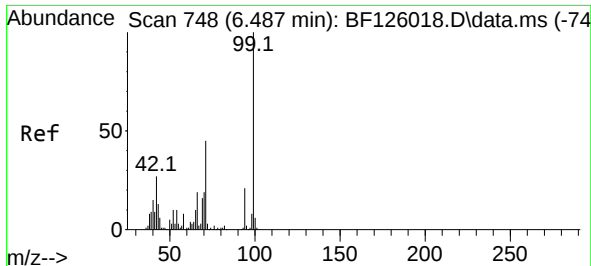


#5
2-Fluorophenol
Concen: 139.050 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26



Tgt Ion:112 Resp: 740985
Ion Ratio Lower Upper
112 100
64 67.4 44.2 66.2#
63 40.0 26.2 39.2#

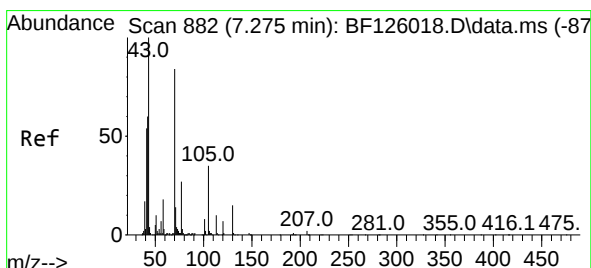
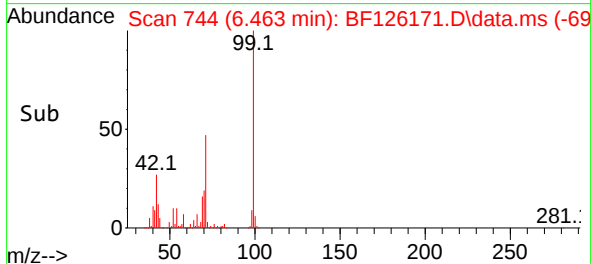
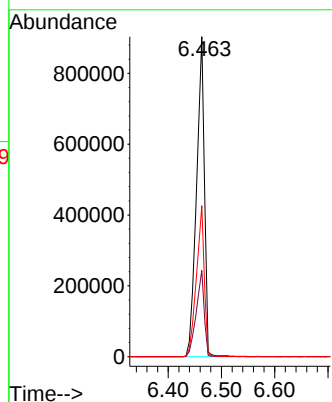
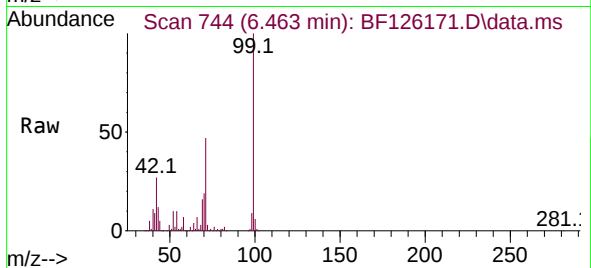




#7
Phenol-d6
Concen: 124.458 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

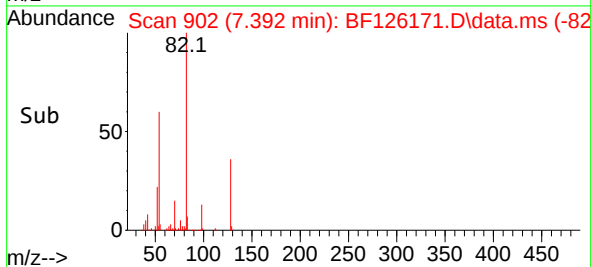
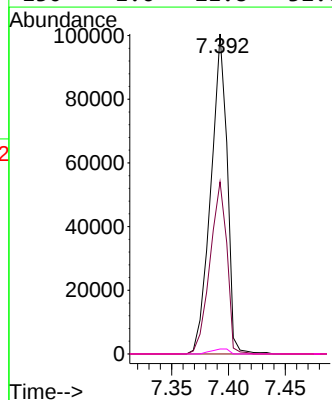
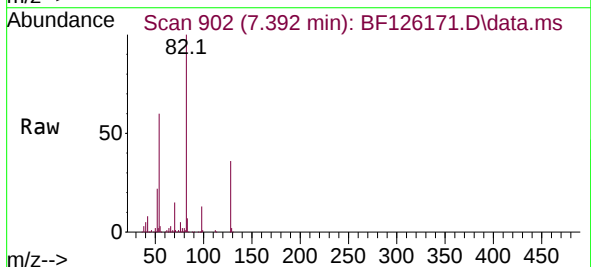
Instrument :
BNA_F
ClientSampleId :
PB140745TB

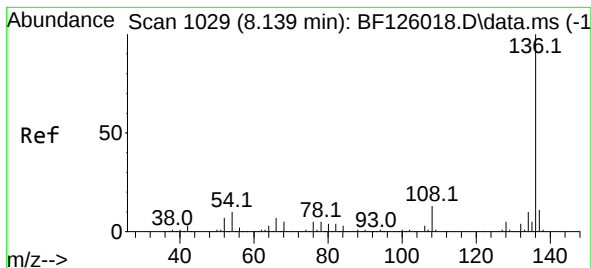
Tgt Ion: 99 Resp: 934926
Ion Ratio Lower Upper
99 100
42 26.9 23.5 35.3
71 47.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 20.240 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

Tgt Ion: 70 Resp: 100233
Ion Ratio Lower Upper
70 100
42 53.8 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF126171.D

Acq: 13 Nov 2021 16:26

Instrument :

BNA_F

ClientSampleId :

PB140745TB

Tgt Ion:136 Resp: 339955

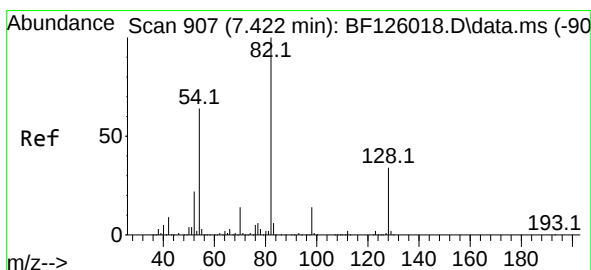
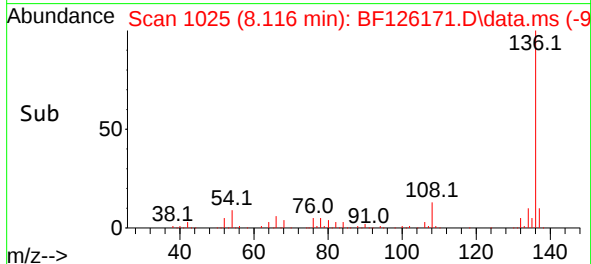
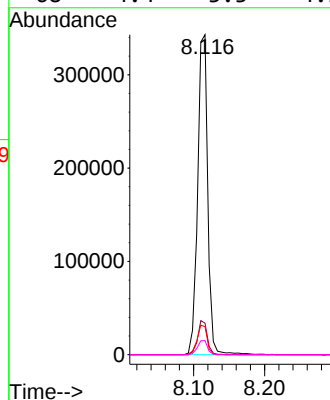
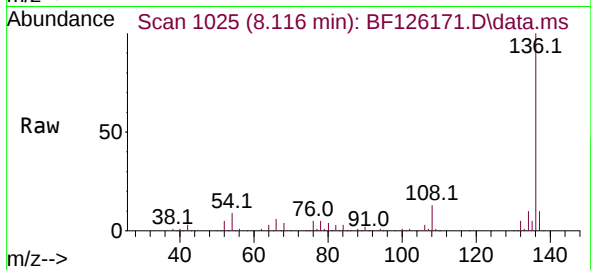
Ion Ratio Lower Upper

136 100

137 9.9 9.8 14.6

54 8.8 6.4 9.6

68 4.4 3.3 4.9



#23

Nitrobenzene-d5

Concen: 94.518 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF126171.D

Acq: 13 Nov 2021 16:26

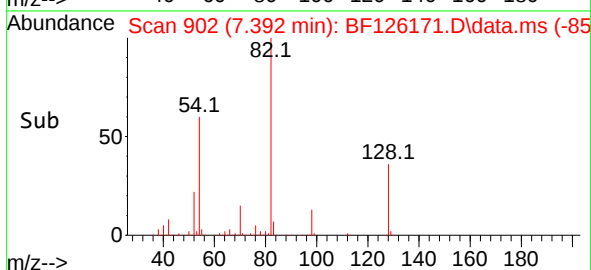
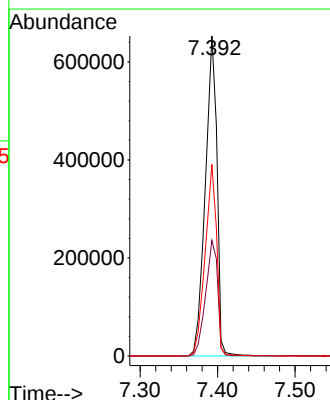
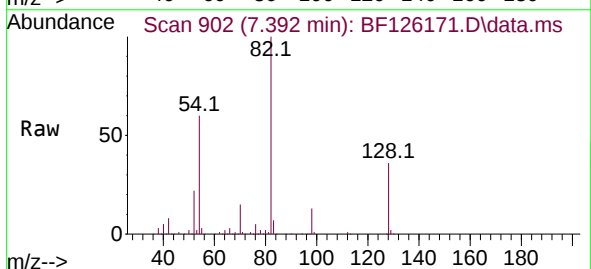
Tgt Ion: 82 Resp: 681336

Ion Ratio Lower Upper

82 100

128 36.1 40.6 60.8#

54 59.8 49.6 74.4

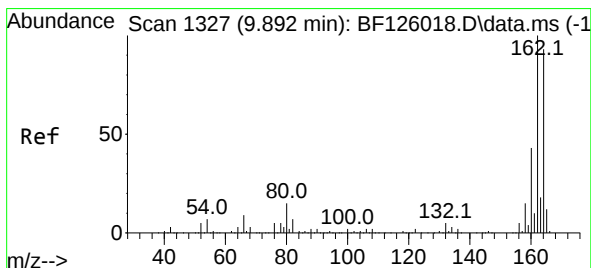
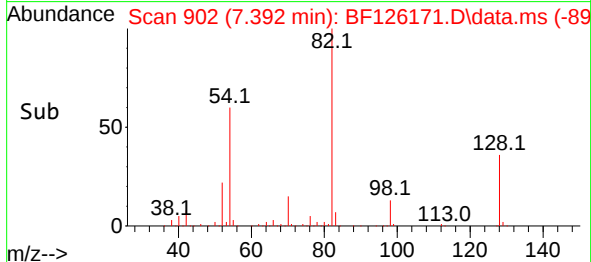
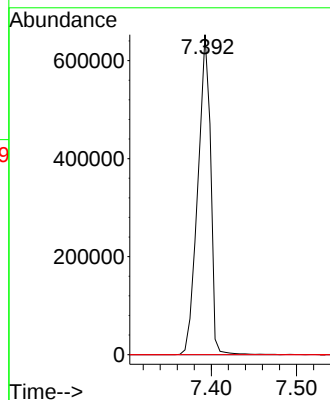
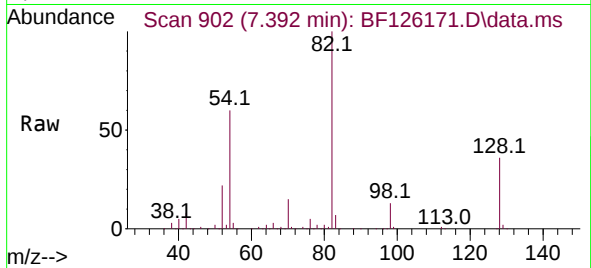




#25
Isophorone
Concen: 52.479 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

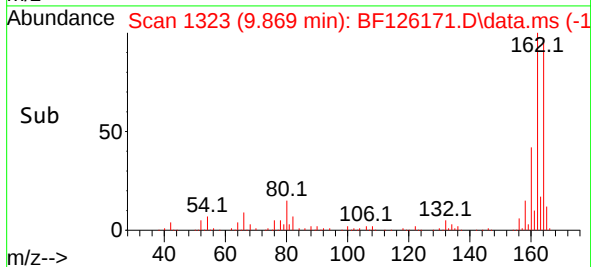
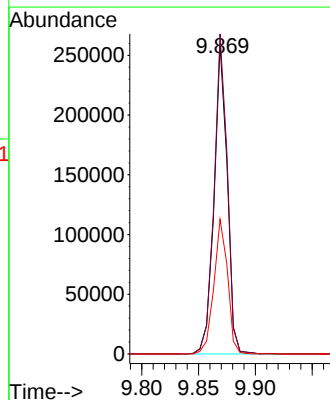
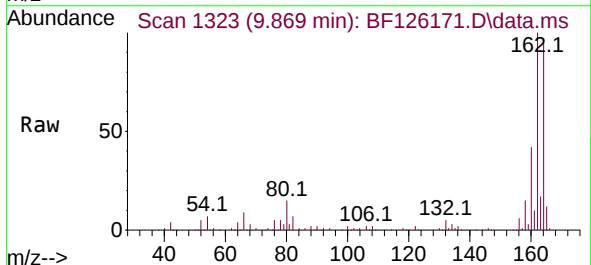
Instrument :
BNA_F
ClientSampleId :
PB140745TB

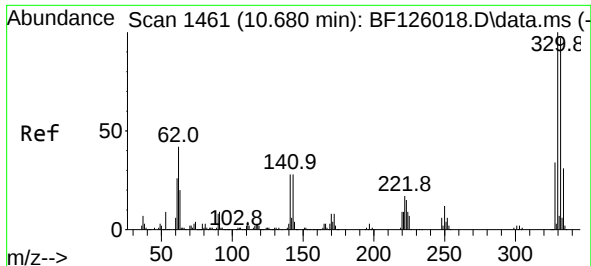
Tgt Ion: 82 Resp: 681096
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

Tgt Ion:164 Resp: 208332
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 43.5 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 156.990 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF126171.D

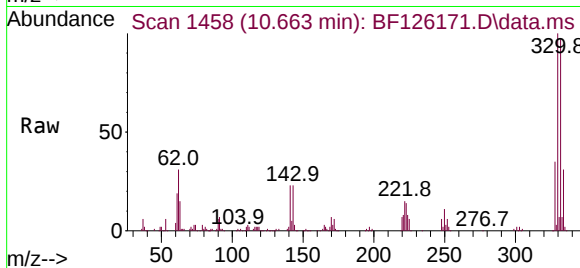
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Instrument :

BNA_F

ClientSampleId :

PB140745TB



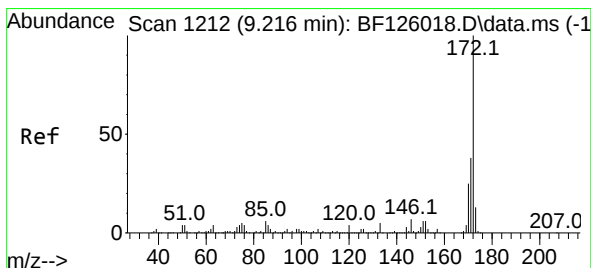
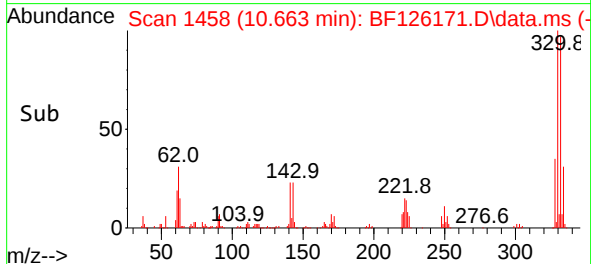
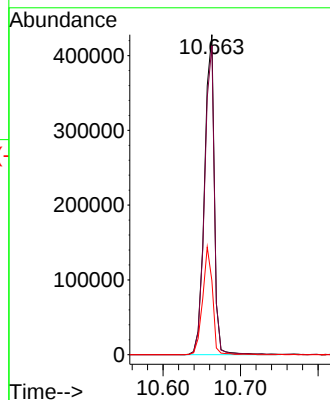
Tgt Ion:330 Resp: 374813

Ion Ratio Lower Upper

330 100

332 96.4 76.2 114.4

141 33.7 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 90.249 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF126171.D

Acq: 13 Nov 2021 16:26

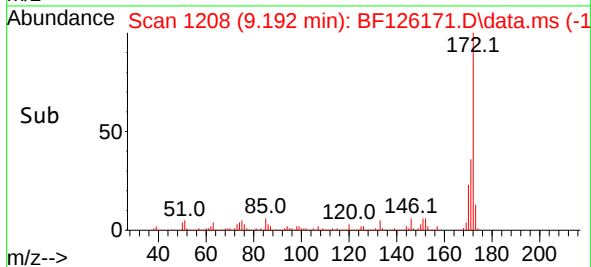
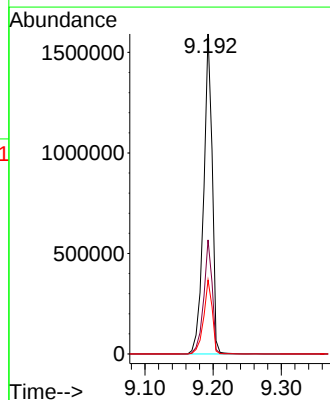
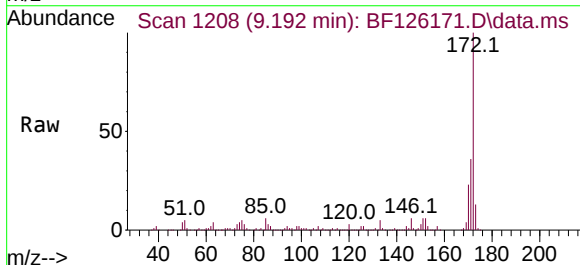
Tgt Ion:172 Resp: 1391313

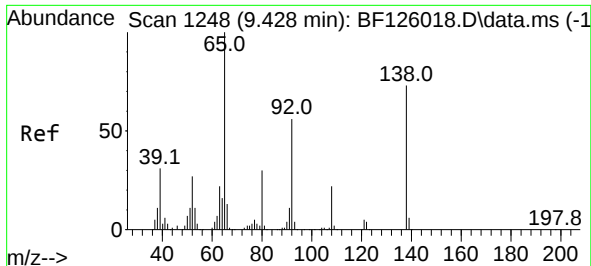
Ion Ratio Lower Upper

172 100

171 35.6 26.5 39.7

170 23.1 18.8 28.2

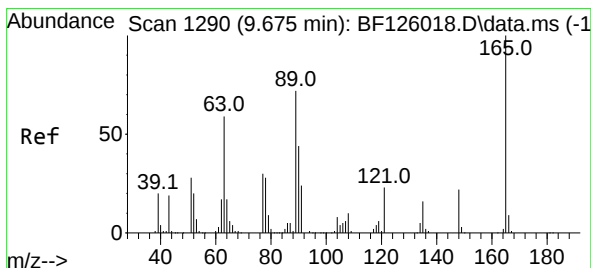
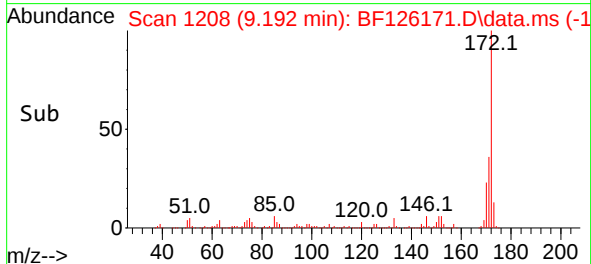
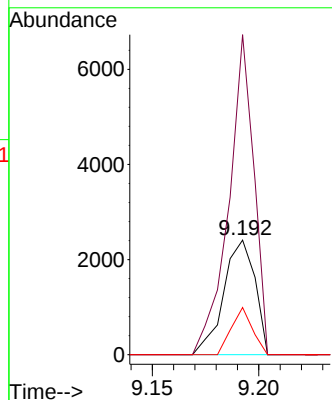
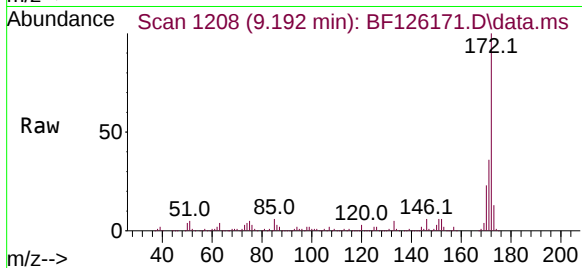




#48
2-Nitroaniline
Concen: 3.410 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

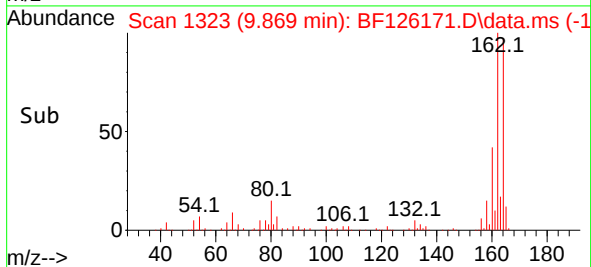
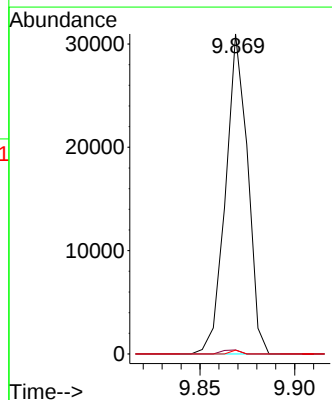
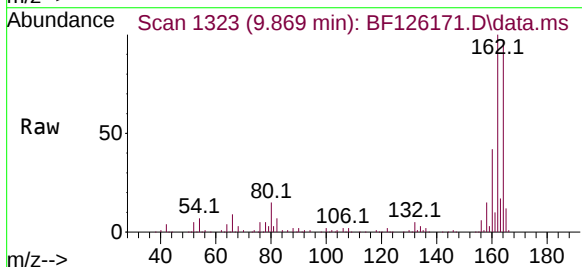
Instrument :
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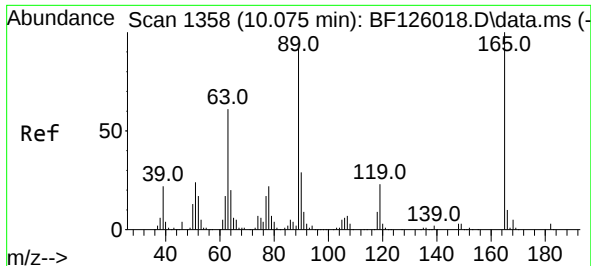
Tgt Ion: 65 Resp: 2471
Ion Ratio Lower Upper
65 100
92 279.3 55.5 83.3#
138 41.2 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 9.620 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

Tgt Ion: 165 Resp: 25010
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.2 40.6 60.8#

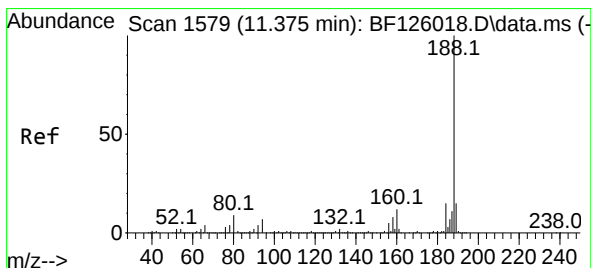
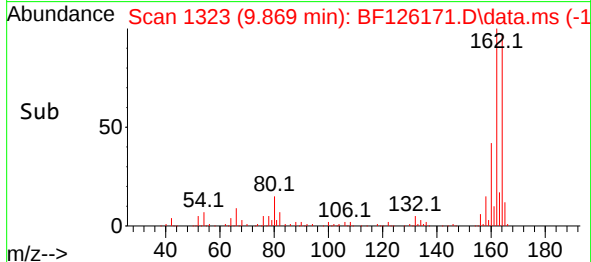
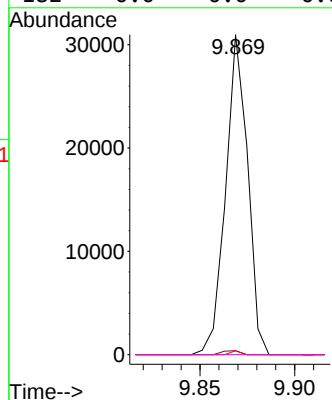
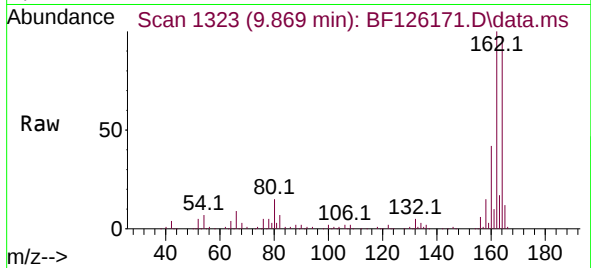




#57
2,4-Dinitrotoluene
Concen: 9.403 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

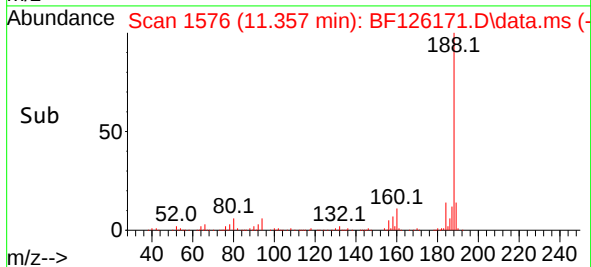
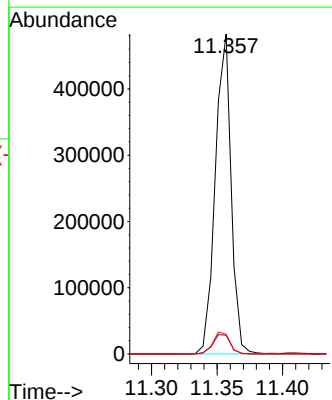
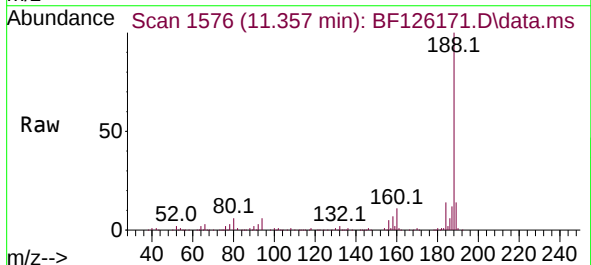
Instrument :
BNA_F
ClientSampleId :
PB140745TB

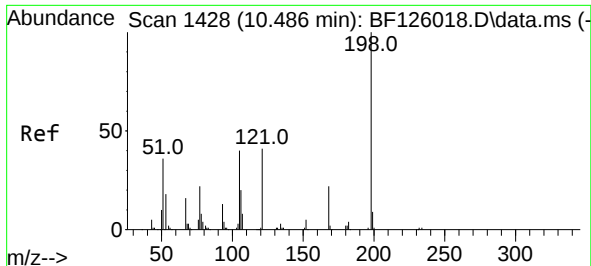
Tgt Ion:165 Resp: 25010
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

Tgt Ion:188 Resp: 405173
Ion Ratio Lower Upper
188 100
94 5.9 6.7 10.1#
80 6.2 7.5 11.3#

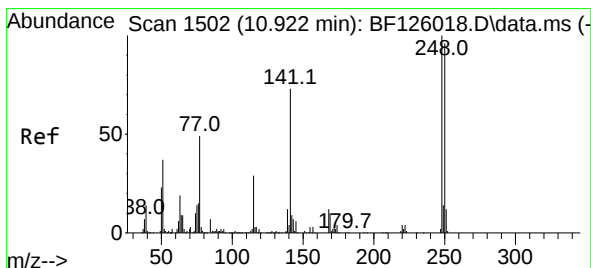
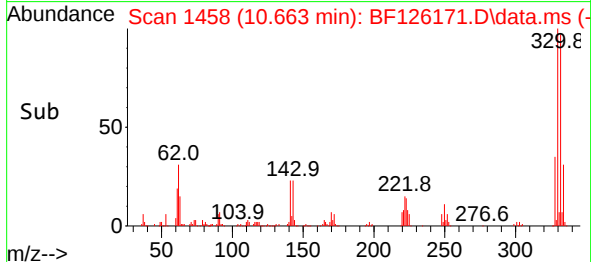
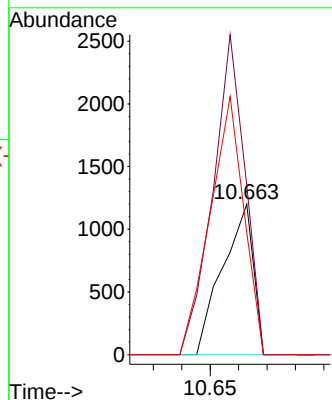
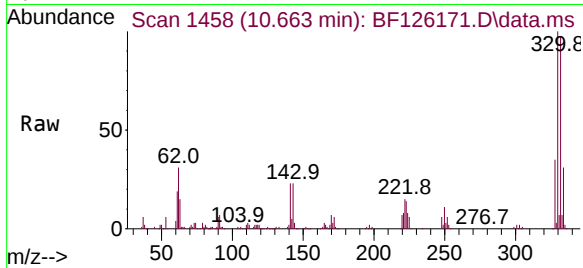




#65
4,6-Dinitro-2-methylphenol
Concen: 8.700 ng
RT: 10.663 min Scan# 1428
Delta R.T. 0.194 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

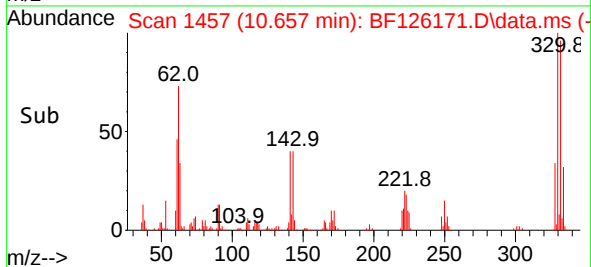
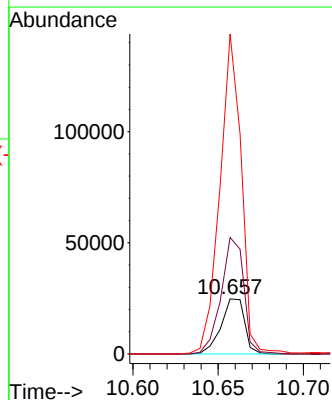
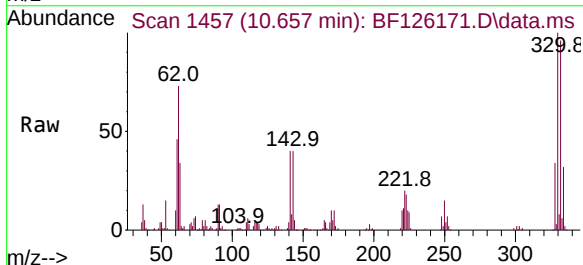
Instrument :
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ClientSampleId :
PB140745TB

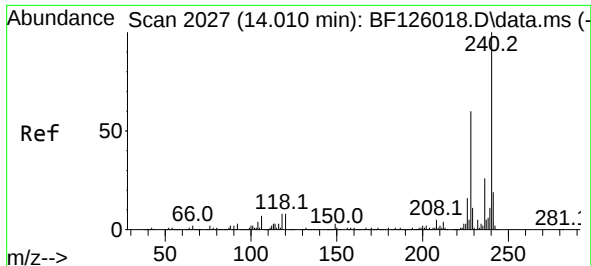
Tgt Ion:198 Resp: 904
Ion Ratio Lower Upper
198 100
51 25.4 45.3 85.3#
105 18.3 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.855 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

Tgt Ion:248 Resp: 23824
Ion Ratio Lower Upper
248 100
250 211.7 74.2 111.4#
141 581.3 60.4 90.6#

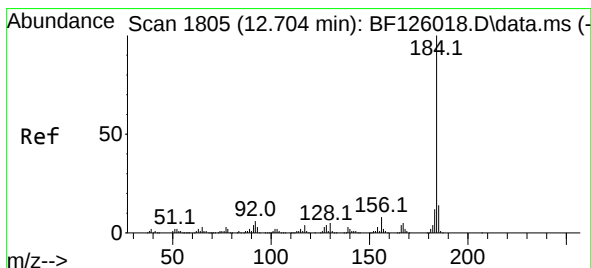
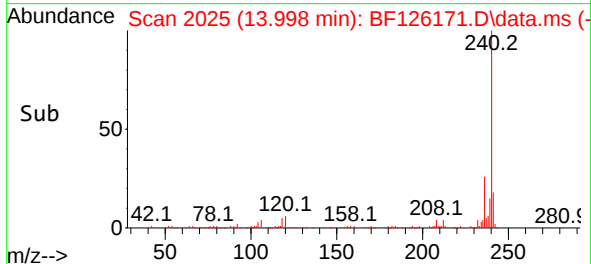
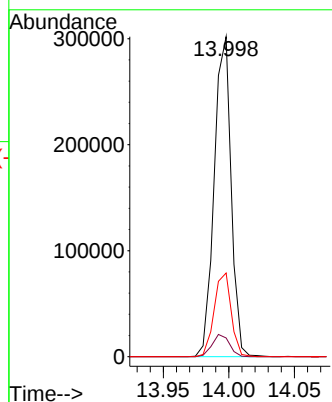
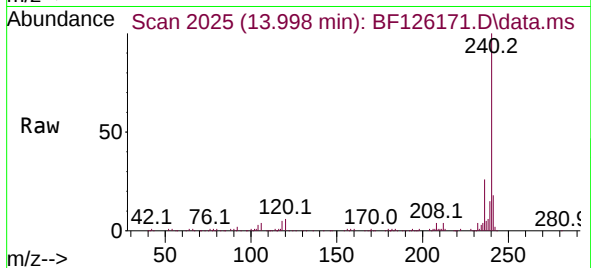




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

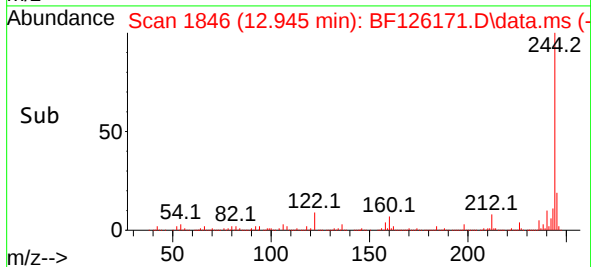
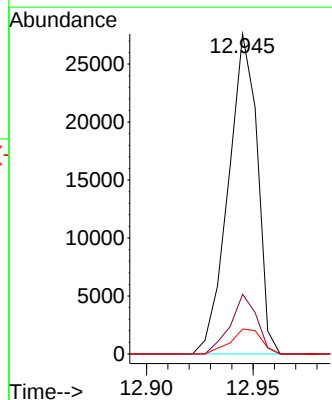
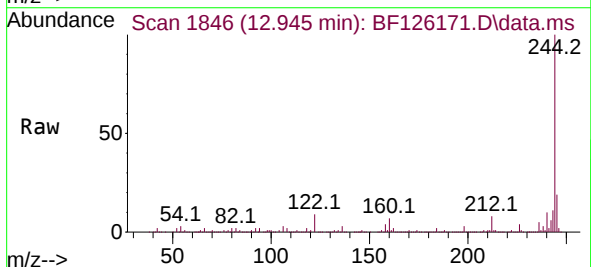
Instrument :
BNA_F
ClientSampleId :
PB140745TB

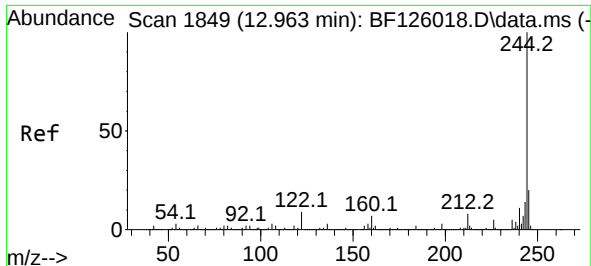
Tgt Ion:240 Resp: 270683
Ion Ratio Lower Upper
240 100
120 5.8 10.8 16.2#
236 26.1 21.6 32.4



#77
Benzidine
Concen: 2.888 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.253 min
Lab File: BF126171.D
Acq: 13 Nov 2021 16:26

Tgt Ion:184 Resp: 26130
Ion Ratio Lower Upper
184 100
185 18.6 10.8 16.2#
183 7.8 8.1 12.1#

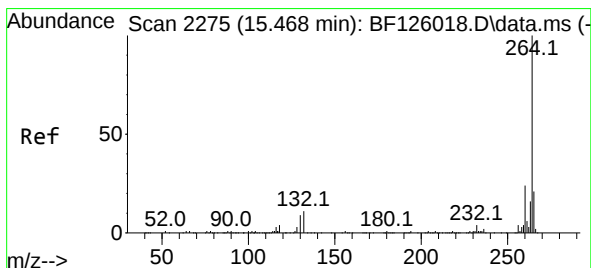
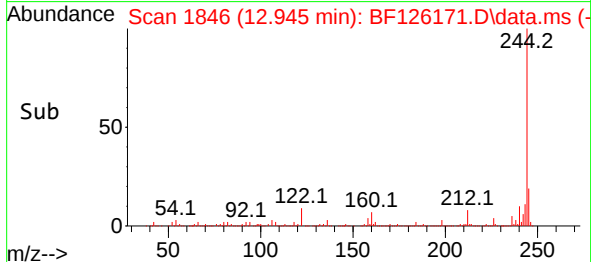
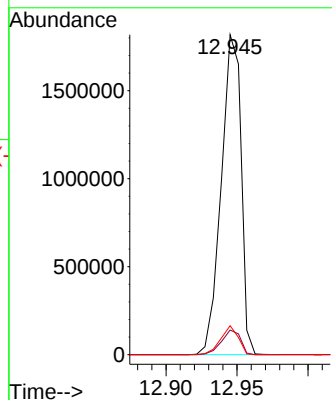
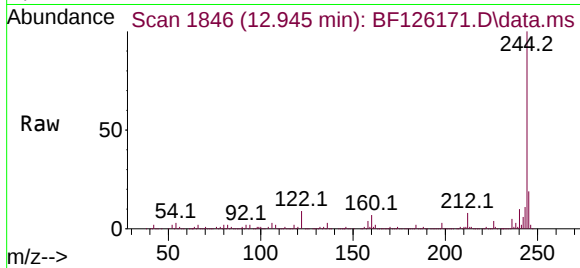




#79
 Terphenyl-d14
 Concen: 104.960 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. 0.000 min
 Lab File: BF126171.D
 Acq: 13 Nov 2021 16:26

Instrument :
 BNA_F
 ClientSampleId :
 PB140745TB

Tgt Ion:244 Resp: 1761867
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 9.0 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF126171.D
 Acq: 13 Nov 2021 16:26

Tgt Ion:264 Resp: 198741
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.6 29.4
 265 20.2 17.2 25.8

